

# **2012 APACHE™**

**A5720 • A51020  
A51025 • A51220**

## **Parts Manual**





# Specifications

## AS720

|                          |                                                                                                                                                                                                             |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tank Capacity . . . . .  | 750 gallons [2839 liters]                                                                                                                                                                                   |
| Engine . . . . .         | 160 hp [119.3 kW] Tier III Cummins                                                                                                                                                                          |
| Transmission . . . . .   | ITL/JCB Power shift 4-speed, torque converted                                                                                                                                                               |
| Speed Ranges . . . . .   | 1st 0-5 mph [0-8.04 km/h]<br>2nd 0-9 mph [0-14.5 km/h]<br>3rd 0-16 mph [0-25.7 km/h]<br>4th 0-28 mph [0-45 km/h]                                                                                            |
| Brakes . . . . .         | Internal, wet disc self adjusting                                                                                                                                                                           |
| Suspension. . . . .      | Front axle: Center oscillation with independent hydraulic accumulation<br>Rear axle: Patented hydraulic load suspension with compensating anti-sway control, self-adjusting for diminishing/increasing load |
| Cab. . . . .             | ET custom pressurized cab                                                                                                                                                                                   |
| Crop Clearance . . . . . | 42 in. [106.6 cm] or 50 in. [127 cm]                                                                                                                                                                        |
| Axles. . . . .           | 120 to 160 in. [304.8 to 406.4 cm]<br>120 in. [304.8 cm] fixed                                                                                                                                              |
| Final Drive . . . . .    | ITL/JCB planetary gear set                                                                                                                                                                                  |
| Weight . . . . .         | 17,400 lb [7892.5 kg] dry weight                                                                                                                                                                            |
| Fuel Capacity . . . . .  | 100 gallons [379 liters]                                                                                                                                                                                    |
| Width . . . . .          | 12 ft [3.6 m]                                                                                                                                                                                               |
| Length . . . . .         | 24 ft [7.3 m]                                                                                                                                                                                               |
| Height. . . . .          | 144 in. [365.7 cm]                                                                                                                                                                                          |
| Wheel Base . . . . .     | 15 ft [4.6 m]                                                                                                                                                                                               |
| Turning Radius . . . . . | 17 ft [5.1 m]                                                                                                                                                                                               |
| Tires . . . . .          | Standard Front: 380/80R38<br>Standard Rear: 380/90R46<br>Optional: 320/90R50                                                                                                                                |
| Booms . . . . .          | 80 ft [24.3 m]<br>90 ft [27.4 m]<br>100 ft [30.4 m],<br>60 / 80 ft [18.2 / 24.3 m]<br>60 / 90 ft [18.2 / 27.4 m]                                                                                            |
| Boom Height. . . . .     | 42 in. [106.6 cm] CC: 14 to 74 in. [35.5 to 187.9 cm]<br>50 in. [127 cm] CC: 22 to 82 in. [55.9 to 208.3 cm]                                                                                                |
| Product Pump. . . . .    | Hypro 9306C HM1C, hydraulically driven centrifugal pump                                                                                                                                                     |
| Roto-Flush . . . . .     | Pump pressured                                                                                                                                                                                              |

## AS1020

Tank Capacity . . . . 1000 gallons [3785.4 liters]  
Engine . . . . . 173 Cummins Tier III  
Transmission . . . . Standard: ZF PowerShift 6-speed with lock-up torque converter  
Speed Ranges . . . . 1st 0 to 5 mph [8.04 km/h]  
                            2nd 0 to 7 mph [11.27 km/h]  
                            3rd 0 to 11 mph [17.7 km/h]  
                            4th 0 to 17 mph [27.36 km/h]  
                            5th 0 to 27 mph [43.45 km/h]  
                            6th 0 to 35 mph [56.3 km/h]  
Brakes . . . . . Internal, wet disc self-adjusting  
Suspension. . . . . Front axle: Center oscillation with independent hydraulic accumulation  
                            Rear axle: Patented hydraulic load suspension with compensating anti-sway  
                                                    control, . . . . . self-adjusting for diminishing/increasing load  
Cab . . . . . ET custom pressurized cab  
Crop Clearance . . . 42 in. [106.6 cm] or 50 in. [127 cm]  
Axles. . . . . 120 to 160 in. [304.8 to 406.4 cm] Adjustable Axle Width with optional hydraulic  
                                                    adjust  
                                                    120 in. [304.8 cm] Fixed Axle Width (Standard)  
Final Drive . . . . . ITL/JCB Planetary Gear Set (42 in. [106.6 cm] CC)  
                                                    Gear Drive Drop Box (50 in. [127 cm] CC)  
Weight . . . . . 18,500 lbs [8391.4 kg] (dry weight)  
Fuel Capacity . . . . 100 gallons [379 liters]  
Width . . . . . 12 ft [3.6 m]  
Length . . . . . 24 ft [7.3 m]  
Height . . . . . 143 in. [363 cm]  
Wheel Base . . . . . 15 ft [4.6 m]  
Turning Radius . . . 17 ft [5.1 m]  
Tires . . . . . Standard Front: 380/80R38  
                                                    Standard Rear: 380/90R46  
Booms . . . . . 80 ft [24.3 m]  
                                                    90 ft [27.4 m]  
                                                    100 ft [30.4 m],  
                                                    60 / 80 ft [18.2 / 24.3 m]  
                                                    60 / 90 ft [18.2 / 27.4 m]  
Boom Height. . . . . 14 to 74 in. [35.5 to 187.9 cm] (42 in. [106.6 cm] CC: )  
                                                    22 to 82 in. [55.9 to 208.3 cm] (50 in. [127 cm] CC: )  
Product Pump. . . . Hypro 9306C HM1C, hydraulically driven centrifugal pump  
Roto-Flush . . . . . Pump pressured



## AS1025

|                          |                                                                                                                                                                                                             |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tank Capacity . . . . .  | 1000 gallons [3785.4 liters]                                                                                                                                                                                |
| Engine . . . . .         | 173 Cummins Interim Tier IV                                                                                                                                                                                 |
| Transmission . . . . .   | Standard: ZF PowerShift 6-speed with lock-up torque converter                                                                                                                                               |
| Speed Ranges . . . . .   | 1st 0 to 5 mph [8.04 km/h]<br>2nd 0 to 7 mph [11.27 km/h]<br>3rd 0 to 11 mph [17.7 km/h]<br>4th 0 to 17 mph [27.36 km/h]<br>5th 0 to 27 mph [43.45 km/h]<br>6th 0 to 35 mph [56.3 km/h]                     |
| Brakes . . . . .         | Internal, wet disc self-adjusting                                                                                                                                                                           |
| Suspension. . . . .      | Front axle: Center oscillation with independent hydraulic accumulation<br>Rear axle: Patented hydraulic load suspension with compensating anti-sway control, self-adjusting for diminishing/increasing load |
| Cab. . . . .             | ET custom pressurized cab                                                                                                                                                                                   |
| Crop Clearance . . . . . | 42 in. [106.6 cm] or 50 in. [127 cm]                                                                                                                                                                        |
| Axles. . . . .           | 120 to 160 in. [304.8 to 406.4 cm] Adjustable Axle Width with optional hydraulic adjust<br>120 in. [304.8 cm] Fixed Axle Width (Standard)                                                                   |
| Final Drive . . . . .    | ITL/JCB Planetary Gear Set (42 in. [106.6 cm] CC)<br>Gear Drive Drop Box (50 in. [127 cm] CC)                                                                                                               |
| Weight . . . . .         | 18,500 lbs [8391.4 kg] (dry weight)                                                                                                                                                                         |
| Fuel Capacity . . . . .  | 100 gallons [379 liters]                                                                                                                                                                                    |
| Width . . . . .          | 12 ft [3.6 m]                                                                                                                                                                                               |
| Length . . . . .         | 24 ft [7.3 m]                                                                                                                                                                                               |
| Height. . . . .          | 143 in. [363 cm]                                                                                                                                                                                            |
| Wheel Base . . . . .     | 15 ft [4.6 m]                                                                                                                                                                                               |
| Turning Radius . . . . . | 17 ft [5.1 m]                                                                                                                                                                                               |
| Tires . . . . .          | Standard Front: 380/80R38<br>Standard Rear: 380/90R46                                                                                                                                                       |
| Booms . . . . .          | 80 ft [24.3 m]<br>90 ft [27.4 m]<br>100 ft [30.4 m],<br>60 / 80 ft [18.2 / 24.3 m]<br>60 / 90 ft [18.2 / 27.4 m]                                                                                            |
| Boom Height. . . . .     | 14 to 74 in. [35.5 to 187.9 cm] (42 in. [106.6 cm] CC: )<br>22 to 82 in. [55.9 to 208.3 cm] (50 in. [127 cm] CC: )                                                                                          |
| Product Pump. . . . .    | Hypro 9306C HM1C, hydraulically driven centrifugal pump                                                                                                                                                     |
| Roto-Flush . . . . .     | Pump pressured                                                                                                                                                                                              |

## AS1220

Tank Capacity . . . . . 1200 gallons [4542.4 liters]  
Engine . . . . . 215 Cummins Tier III  
Transmission . . . . . Standard: ZF PowerShift 6-speed with lock-up torque converter  
Speed Ranges . . . . . 1st 0 to 5 mph [8.04 km/h]  
                                    2nd 0 to 7 mph [11.27 km/h]  
                                    3rd 0 to 11 mph [17.7 km/h]  
                                    4th 0 to 17 mph [27.36 km/h]  
                                    5th 0 to 27 mph [43.45 km/h]  
                                    6th 0 to 35 mph [56.3 km/h]  
Brakes . . . . . Internal, wet disc self-adjusting  
Suspension. . . . . Front axle: Center oscillation with independent hydraulic accumulation  
                                    Rear axle: Patented hydraulic load suspension with compensating anti-sway  
                                    control, . . . . . self-adjusting for diminishing/increasing load  
Cab . . . . . ET custom pressurized cab  
Crop Clearance . . . 50 in. [127 cm]  
Axles. . . . . 120 to 160 in. [304.8 to 406.4 cm] Adjustable Axle Width with optional hydraulic  
                                    adjust  
                                    120 in. [304.8 cm] Fixed Axle Width (Standard)  
Final Drive . . . . . Fairfield All Gear Drop Box (50 in. [127 cm] CC)  
Weight . . . . . 20,900 lbs [9480.1 kg] (dry weight)  
Fuel Capacity . . . . . 100 gallons [379 liters]  
Width . . . . . 12 ft [3.6 m]  
Length . . . . . 24 ft [7.3 m]  
Height . . . . . 143 in. [363 cm]  
Wheel Base . . . . . 15 ft [4.6 m]  
Turning Radius . . . . 17 ft [5.1 m]  
Tires . . . . . Standard Front: 380/80R38  
                                    Standard Rear: 380/90R46  
Booms . . . . . 80 ft [24.3 m]  
                                    90 ft [27.4 m]  
                                    100 ft [30.4 m],  
                                    60 / 80 ft [18.2 / 24.3 m]  
                                    60 / 90 ft [18.2 / 27.4 m]  
Boom Height. . . . . 22 to 82 in. [55.9 to 208.3 cm] (50 in. [127 cm] CC: )  
Product Pump. . . . . Hypro 9306C HM1C, hydraulically driven centrifugal pump  
Roto-Flush . . . . . Pump pressured

# Contents

## Specifications

|              |     |
|--------------|-----|
| AS720 .....  | i   |
| AS1020 ..... | ii  |
| AS1025 ..... | iii |
| AS1220 ..... | iv  |

## General Information

|                   |    |
|-------------------|----|
| Definitions ..... | xi |
|-------------------|----|

## Quick List

|                                     |     |
|-------------------------------------|-----|
| Filters .....                       | 1-1 |
| Hydraulic Cylinders and Seals ..... | 1-1 |
| Belts .....                         | 1-1 |

## Chassis

### Section Overview

|                                |     |
|--------------------------------|-----|
| All Models Except AS1025 ..... | 2-1 |
|--------------------------------|-----|

### Frame Rails

|                                |     |
|--------------------------------|-----|
| All Models Except AS1025 ..... | 2-2 |
|--------------------------------|-----|

### Hose Clamp

|                  |     |
|------------------|-----|
| All Models ..... | 2-4 |
|------------------|-----|

### Outriggers

|                                |     |
|--------------------------------|-----|
| All Models Except AS1025 ..... | 2-5 |
|--------------------------------|-----|

### Boom Support

|                  |     |
|------------------|-----|
| All Models ..... | 2-6 |
|------------------|-----|

### Rinse Tank Hold Down Bracket

|                  |     |
|------------------|-----|
| All Models ..... | 2-7 |
|------------------|-----|

### Stainless Steel Tank Support

|                  |     |
|------------------|-----|
| All Models ..... | 2-8 |
|------------------|-----|

## Drivetrain

### Section Overview

|                                |     |
|--------------------------------|-----|
| All Models Except AS1025 ..... | 3-1 |
|--------------------------------|-----|

### Cooling Package

|                  |     |
|------------------|-----|
| All Models ..... | 3-2 |
|------------------|-----|

### Engine Intake Air and Cooling Piping

|                                |     |
|--------------------------------|-----|
| All Models Except AS1025 ..... | 3-8 |
|--------------------------------|-----|

### Firewall

|                                |      |
|--------------------------------|------|
| All Models Except AS1025 ..... | 3-10 |
|--------------------------------|------|

### Fan Block Manifold Mounting

|                  |      |
|------------------|------|
| All Models ..... | 3-13 |
|------------------|------|

### Fan Block Manifold

|                  |      |
|------------------|------|
| All Models ..... | 3-14 |
|------------------|------|

### Engine and PowerShift Transmission

|             |      |
|-------------|------|
| AS720 ..... | 3-16 |
|-------------|------|

### Engine Mounting

|                                |      |
|--------------------------------|------|
| All Models Except AS1025 ..... | 3-20 |
|--------------------------------|------|

### Engine Exhaust Piping

|                                |      |
|--------------------------------|------|
| All Models Except AS1025 ..... | 3-22 |
|--------------------------------|------|

### PowerShift Transmission

|             |      |
|-------------|------|
| AS720 ..... | 3-24 |
|-------------|------|

### PowerShift Clutch

|             |      |
|-------------|------|
| AS720 ..... | 3-26 |
|-------------|------|

### PowerShift Reverse Clutch

|             |      |
|-------------|------|
| AS720 ..... | 3-28 |
|-------------|------|

### PowerShift Layshaft

|             |      |
|-------------|------|
| AS720 ..... | 3-30 |
|-------------|------|

### PowerShift Pump Drive Shaft

|             |      |
|-------------|------|
| AS720 ..... | 3-32 |
|-------------|------|

### PowerShift Valve Body Assembly

|             |      |
|-------------|------|
| AS720 ..... | 3-33 |
|-------------|------|

### Engine and ZF Transmission

|                                 |      |
|---------------------------------|------|
| AS1020, AS1025 and AS1220 ..... | 3-34 |
|---------------------------------|------|

|                             |      |
|-----------------------------|------|
| Engine Exhaust Piping ..... | 3-38 |
|-----------------------------|------|

|                                |      |
|--------------------------------|------|
| All Models Except AS1025 ..... | 3-38 |
|--------------------------------|------|

### Primary Fuel Filter Head

|                                |      |
|--------------------------------|------|
| All Models Except AS1025 ..... | 3-42 |
|--------------------------------|------|

### Fuel Tank

|                  |      |
|------------------|------|
| All Models ..... | 3-43 |
|------------------|------|

### Front Axle

|                  |      |
|------------------|------|
| All Models ..... | 3-45 |
|------------------|------|

### 120" Fixed Front Axle

#### 42" Crop Clearance

|                                |      |
|--------------------------------|------|
| AS720, AS1020 and AS1025 ..... | 3-46 |
|--------------------------------|------|

### 120" Fixed Front Axle

#### 50" Crop Clearance

|                  |      |
|------------------|------|
| All Models ..... | 3-48 |
|------------------|------|

### 120 to 160" Adjustable Front Axle

#### 42" Crop Clearance

|                                |      |
|--------------------------------|------|
| AS720, AS1020 and AS1025 ..... | 3-50 |
|--------------------------------|------|

### 120 to 160" Adjustable Front Axle

#### 50" Crop Clearance

|                  |      |
|------------------|------|
| All Models ..... | 3-52 |
|------------------|------|

### Front Strut

|                  |      |
|------------------|------|
| All Models ..... | 3-54 |
|------------------|------|

### 120" Fixed Rear Axle

#### 42" Crop Clearance

|                                |      |
|--------------------------------|------|
| AS720, AS1020 and AS1025 ..... | 3-56 |
|--------------------------------|------|

### 120" Fixed Rear Axle

#### 50" Crop Clearance

|                  |      |
|------------------|------|
| All Models ..... | 3-58 |
|------------------|------|

### 120 to 160" Adjustable Rear Axle

#### 42" Crop Clearance

|                                |      |
|--------------------------------|------|
| AS720, AS1020 and AS1025 ..... | 3-60 |
|--------------------------------|------|

### 120 to 160" Adjustable Rear Axle

#### 50" Crop Clearance

|                  |      |
|------------------|------|
| All Models ..... | 3-62 |
|------------------|------|

### Rear Differential with

#### Adjustable Drive Shaft

|                  |      |
|------------------|------|
| All Models ..... | 3-64 |
|------------------|------|

### Differential

|                  |      |
|------------------|------|
| All Models ..... | 3-66 |
|------------------|------|

### Differential Brake Assembly

|                  |      |
|------------------|------|
| All Models ..... | 3-68 |
|------------------|------|

### Differential (Limited Slip)

|                  |      |
|------------------|------|
| All Models ..... | 3-69 |
|------------------|------|

### Differential Input

|                  |      |
|------------------|------|
| All Models ..... | 3-70 |
|------------------|------|

### Planetary Hub

|                  |      |
|------------------|------|
| All Models ..... | 3-71 |
|------------------|------|

### Fairfield Drop Box

|                  |      |
|------------------|------|
| All Models ..... | 3-72 |
|------------------|------|

|                                                 |      |
|-------------------------------------------------|------|
| <b>Torque Arms</b>                              |      |
| All Models . . . . .                            | 3-74 |
| <b>Tracking Bar</b>                             |      |
| All Models . . . . .                            | 3-75 |
| <b>Rear Suspension</b>                          |      |
| All Models . . . . .                            | 3-76 |
| <b>Suspension Leveling</b>                      |      |
| All Models . . . . .                            | 3-77 |
| <b>Drive Shaft</b>                              |      |
| AS720 . . . . .                                 | 3-78 |
| AS1020, AS1025 and AS1220 . . . . .             | 3-79 |
| <b>Floataion Tires</b>                          |      |
| All Models . . . . .                            | 3-80 |
| <b>Tires</b>                                    |      |
| All Models . . . . .                            | 3-82 |
| <b>Fenders</b>                                  |      |
| All Models (Front) . . . . .                    | 3-84 |
| All Models (Rear with 42" CC) . . . . .         | 3-85 |
| All Models (Rear with 50" CC) . . . . .         | 3-86 |
| <b>Hydraulics</b>                               |      |
| <b>Section Overview</b>                         |      |
| All Models . . . . .                            | 4-1  |
| <b>Hydraulic Pump</b>                           |      |
| All Models . . . . .                            | 4-2  |
| <b>Junction Manifold Mounting</b>               |      |
| All Models . . . . .                            | 4-3  |
| <b>Junction Manifold</b>                        |      |
| All Models . . . . .                            | 4-4  |
| <b>Junction Manifold with AutoSteer</b>         |      |
| All Models . . . . .                            | 4-6  |
| <b>Brake Accumulator</b>                        |      |
| All Models . . . . .                            | 4-7  |
| <b>Fan Block Manifold Mounting</b>              |      |
| All Models . . . . .                            | 4-8  |
| <b>Fan Block Manifold</b>                       |      |
| All Models . . . . .                            | 4-10 |
| <b>Suspension Manifold / Back Rack</b>          |      |
| <b>Accumulator Manifold Mounting</b>            |      |
| All Models . . . . .                            | 4-12 |
| <b>Suspension Manifold / Back Rack</b>          |      |
| <b>Accumulator Manifold</b>                     |      |
| All Models . . . . .                            | 4-14 |
| <b>Boom Manifold Mounting</b>                   |      |
| All Models . . . . .                            | 4-16 |
| <b>Boom Manifold</b>                            |      |
| All Models . . . . .                            | 4-18 |
| <b>Boom Manifold Mounting (AutoBoom Ready)</b>  |      |
| All Models . . . . .                            | 4-20 |
| <b>Boom Manifold (AutoBoom Ready)</b>           |      |
| All Models . . . . .                            | 4-22 |
| <b>AutoSteer Manifold Mounting</b>              |      |
| All Models . . . . .                            | 4-24 |
| <b>AutoSteer Manifold</b>                       |      |
| All Models . . . . .                            | 4-25 |
| <b>Adjust On the Go</b>                         |      |
| All Models . . . . .                            | 4-26 |
| <b>Adjust On the Go Manifold Front Mounting</b> |      |
| All Models . . . . .                            | 4-27 |

|                                                |      |
|------------------------------------------------|------|
| <b>Adjust On the Go Manifold Rear Mounting</b> |      |
| All Models . . . . .                           | 4-28 |
| <b>Adjust On the Go Manifold</b>               |      |
| All Models . . . . .                           | 4-29 |
| <b>Hydraulic Tank Mounting</b>                 |      |
| All Models . . . . .                           | 4-30 |
| <b>Hydraulic Tank</b>                          |      |
| All Models . . . . .                           | 4-32 |
| <b>Brake Line Clamps</b>                       |      |
| All Models . . . . .                           | 4-34 |

## Hoses and Fittings

|                                                 |      |
|-------------------------------------------------|------|
| <b>Hydraulic</b>                                |      |
| Hoses . . . . .                                 | 5-1  |
| <b>Non-Hydraulic</b>                            |      |
| Hoses and Fittings AS720 and AS1020 . . . . .   | 5-12 |
| Hoses and Fittings AS1220 . . . . .             | 5-13 |
| <b>Fittings</b>                                 |      |
| Danfoss Steering Unit Kit . . . . .             | 5-14 |
| Micro Power Brakes Fitting Kit . . . . .        | 5-14 |
| Main Fitting Kit . . . . .                      | 5-14 |
| Adjust On the Go (AOG) . . . . .                | 5-14 |
| AutoSteer Fitting Kit . . . . .                 | 5-15 |
| Hydraulic Tank Fitting Kit . . . . .            | 5-15 |
| Engine Fitting Kit . . . . .                    | 5-15 |
| Eaton Pump Fittings . . . . .                   | 5-15 |
| Bulk Fittings . . . . .                         | 5-16 |
| <b>Hoses</b>                                    |      |
| Main Hose Kit . . . . .                         | 5-17 |
| AOG Hose Kit . . . . .                          | 5-18 |
| Adjustable 120-160" Steering Hose Kit . . . . . | 5-18 |
| Fixed 120" Steering Hose Kit . . . . .          | 5-18 |
| AutoSteer Hose Kit . . . . .                    | 5-19 |
| Station 2 Hose Kit . . . . .                    | 5-19 |
| Boom Hose Kit . . . . .                         | 5-20 |
| Bulk Hoses . . . . .                            | 5-21 |

## Cab, Hood and Trim

|                             |      |
|-----------------------------|------|
| <b>Section Overview</b>     |      |
| All Models . . . . .        | 6-1  |
| <b>Cab Overview</b>         |      |
| All Models . . . . .        | 6-2  |
| <b>Roof</b>                 |      |
| All Models . . . . .        | 6-4  |
| <b>Headliner</b>            |      |
| All Models . . . . .        | 6-6  |
| <b>Antenna Mount</b>        |      |
| All Models . . . . .        | 6-7  |
| <b>Cab Lights</b>           |      |
| All Models . . . . .        | 6-8  |
| <b>Wiper</b>                |      |
| All Models . . . . .        | 6-9  |
| <b>Mirror</b>               |      |
| All Models . . . . .        | 6-10 |
| <b>Front and Rear Glass</b> |      |
| All Models . . . . .        | 6-11 |
| <b>Operator Seat</b>        |      |
| All Models . . . . .        | 6-12 |
| <b>Buddy Seat</b>           |      |
| All Models . . . . .        | 6-14 |

|                                          |      |                                                    |      |
|------------------------------------------|------|----------------------------------------------------|------|
| <b>Entry Door</b>                        |      | <b>Product Pump</b>                                |      |
| All Models . . . . .                     | 6-16 | All Models, Standard and Quick-Fill Plumbing . . . | 7-6  |
| <b>Service Door</b>                      |      | <b>Standard Plumbing</b>                           |      |
| All Models . . . . .                     | 6-18 | Plumbing Mounting . . . . .                        | 7-8  |
| <b>Console</b>                           |      | Pump Mounting . . . . .                            | 7-9  |
| All Models . . . . .                     | 6-20 | Fill Station Plumbing Overview . . . . .           | 7-10 |
| <b>Raven Console Mounting</b>            |      | Detail 1 . . . . .                                 | 7-11 |
| All Equipped Models . . . . .            | 6-22 | Detail 2 . . . . .                                 | 7-12 |
| <b>Viper Console Mounting</b>            |      | Detail 3 . . . . .                                 | 7-13 |
| All Equipped Models . . . . .            | 6-23 | Detail 4 . . . . .                                 | 7-14 |
| <b>E Pro Console Mounting</b>            |      | <b>Quick-Fill Plumbing</b>                         |      |
| All Equipped Models . . . . .            | 6-24 | Plumbing Mounting . . . . .                        | 7-15 |
| <b>Switches Console Mounting</b>         |      | Pump Mounting . . . . .                            | 7-16 |
| All Models . . . . .                     | 6-25 | Fill Station Plumbing Overview . . . . .           | 7-17 |
| <b>Electrical</b>                        |      | Detail 1 . . . . .                                 | 7-18 |
| All Models . . . . .                     | 6-26 | Detail 2 . . . . .                                 | 7-19 |
| <b>Floor Mat</b>                         |      | Detail 3 . . . . .                                 | 7-20 |
| All Models . . . . .                     | 6-29 | Detail 4 . . . . .                                 | 7-21 |
| <b>Upper Steering Column</b>             |      | <b>Inductor</b>                                    |      |
| All Models . . . . .                     | 6-30 | Mounting and Detail 1 . . . . .                    | 7-22 |
| <b>Lower Steering Column</b>             |      | Detail 2 . . . . .                                 | 7-24 |
| All Models . . . . .                     | 6-32 | Detail 3 . . . . .                                 | 7-26 |
| <b>Dash</b>                              |      | <b>Radar Speed Sensor</b>                          |      |
| All Models . . . . .                     | 6-34 | All Models . . . . .                               | 7-27 |
| <b>HVAC</b>                              |      | <b>Product Tank, Rinse Tank</b>                    |      |
| All Models . . . . .                     | 6-36 | <b>and Parallel Arm Mounting</b>                   |      |
| <b>AC Dryer Mounting</b>                 |      | All Models . . . . .                               | 7-28 |
| All Models . . . . .                     | 6-42 | <b>Rear Cover</b>                                  |      |
| <b>Brake Pedals</b>                      |      | All Models . . . . .                               | 7-30 |
| All Models . . . . .                     | 6-44 | <b>Poly Product Tank</b>                           |      |
| <b>Cab Mounting and Hood Structure</b>   |      | Standard Plumbing . . . . .                        | 7-32 |
| All Models . . . . .                     | 6-47 | Quick Fill Plumbing . . . . .                      | 7-34 |
| <b>Hood</b>                              |      | <b>Product Tank Sight Gauge Mounting</b>           |      |
| All Models . . . . .                     | 6-48 | All Models . . . . .                               | 7-36 |
| All Models (Top, Front and               |      | <b>Product Tank Sight Gauge</b>                    |      |
| Bottom Panels) . . . . .                 | 6-49 | All Models . . . . .                               | 7-38 |
| All Models (Headlights) . . . . .        | 6-51 | <b>Stainless Steel</b>                             |      |
| All Models (Grills and Decals) . . . . . | 6-52 | <b>Product Tank</b>                                |      |
| <b>Utility Ladder (Right Side)</b>       |      | Tank Mounting . . . . .                            | 7-40 |
| All Models . . . . .                     | 6-54 | 1000 Gallon Tank Standard Plumbing . . . . .       | 7-42 |
| <b>Entry Ladder (Left Side)</b>          |      | 1000 Gallon Tank Quick Fill Plumbing . . . . .     | 7-44 |
| All Models . . . . .                     | 6-55 | 1200 Gallon Tank Standard Plumbing . . . . .       | 7-46 |
| <b>Side Lights and Tool Box Mounting</b> |      | 1200 Gallon Tank Quick Fill Plumbing . . . . .     | 7-48 |
| All Models . . . . .                     | 6-56 | <b>Rinse Tank Hold Down Bracket</b>                |      |
| <b>Tool Box</b>                          |      | All Models . . . . .                               | 7-50 |
| All Models . . . . .                     | 6-57 | <b>Rinse Tank</b>                                  |      |
| <b>Tread Plates</b>                      |      | Without Foamer . . . . .                           | 7-51 |
| All Models . . . . .                     | 6-58 | With Foamer . . . . .                              | 7-52 |
| <b>Wet System</b>                        |      | <b>Boom Marker Lights</b>                          |      |
| <b>Section Overview</b>                  |      | All Models . . . . .                               | 7-53 |
| All Models . . . . .                     | 7-1  | <b>Boom Suspension</b>                             |      |
| <b>Pressure Gauges</b>                   |      | <b>and Hydraulics</b>                              |      |
| All Models . . . . .                     | 7-2  | All Models . . . . .                               | 7-54 |
| <b>Fill Station</b>                      |      | <b>Back Rack Mounting</b>                          |      |
| Cover Panels . . . . .                   | 7-3  | All Models . . . . .                               | 7-56 |
| Switch Panel . . . . .                   | 7-4  | <b>Raven Options</b>                               |      |
| <b>Hose Hanger</b>                       |      | All Equipped Models . . . . .                      | 7-57 |
| All Models . . . . .                     | 7-5  |                                                    |      |

|                                                |      |  |
|------------------------------------------------|------|--|
| <b>Boom Valve</b>                              |      |  |
| 5-Section Block . . . . .                      | 7-58 |  |
| 8-Section Block . . . . .                      | 7-60 |  |
| 10-Section Block . . . . .                     | 7-62 |  |
| Boom Valve Mounting . . . . .                  | 7-64 |  |
| <b>Boom</b>                                    |      |  |
| Wing Assembly, Hanger and Rest . . . . .       | 7-66 |  |
| Inner Break Away and Linkage . . . . .         | 7-68 |  |
| Wing Accumulator . . . . .                     | 7-69 |  |
| Outer Break Away (80' and 90' Booms) . . . . . | 7-70 |  |
| Outer Break Away (100' Booms) . . . . .        | 7-71 |  |
| <b>Boom Plumbing</b>                           |      |  |
| 5 Section Block . . . . .                      | 7-72 |  |
| 10 Section Valve Block . . . . .               | 7-82 |  |
| Fencerow Nozzle . . . . .                      | 7-85 |  |
| Nozzle Brackets . . . . .                      | 7-86 |  |
| <b>AutoBoom</b>                                |      |  |
| Eye Assembly . . . . .                         | 7-88 |  |
| Wheel Assembly . . . . .                       | 7-90 |  |
| <b>Foam Marker Equipment</b>                   |      |  |
| Foamer Tank and Pump . . . . .                 | 7-92 |  |
| Foamer Pump and Compressor Assembly . . . . .  | 7-93 |  |
| Foam Splitter . . . . .                        | 7-94 |  |
| Foam Drop Tube . . . . .                       | 7-95 |  |
| <b>Electrical</b>                              |      |  |
| <b>Main Harness</b>                            |      |  |
| All Models (Overview) . . . . .                | 8-1  |  |
| Detail 1 . . . . .                             | 8-2  |  |
| Detail 2 . . . . .                             | 8-3  |  |
| Detail 3 . . . . .                             | 8-4  |  |
| Detail 4 . . . . .                             | 8-5  |  |
| <b>Brake Harness</b>                           |      |  |
| All Models . . . . .                           | 8-6  |  |
| <b>Cab Harness</b>                             |      |  |
| All Models . . . . .                           | 8-7  |  |
| <b>Bussman RT 15712 Harness</b>                |      |  |
| All Models . . . . .                           | 8-8  |  |
| <b>Upper Cab Harness</b>                       |      |  |
| All Models . . . . .                           | 8-9  |  |
| <b>Cab Roof Harness</b>                        |      |  |
| All Models . . . . .                           | 8-10 |  |
| <b>Antenna Harness</b>                         |      |  |
| All Models . . . . .                           | 8-11 |  |
| <b>Phoenix 200 Antenna to Cab Harness</b>      |      |  |
| All Equipped Models . . . . .                  | 8-12 |  |
| <b>Phoenix 200 Antenna Interface Harness</b>   |      |  |
| All Equipped Models . . . . .                  | 8-13 |  |
| <b>Phoenix 300 Antenna to Cab Harness</b>      |      |  |
| All Equipped Models . . . . .                  | 8-14 |  |
| <b>Phoenix 300 Antenna Interface Harness</b>   |      |  |
| Viper Pro Equipped Models Only . . . . .       | 8-14 |  |
| <b>E-Pro II Antenna Interface Harness</b>      |      |  |
| All Equipped Models . . . . .                  | 8-15 |  |
| All Models . . . . .                           | 8-16 |  |
| <b>HVAC Harness</b>                            |      |  |
| All Models . . . . .                           | 8-17 |  |
| <b>Cummins Engine Harness</b>                  |      |  |
| All Models . . . . .                           | 8-18 |  |
| <b>ZF Console Harness</b>                      |      |  |
| All Equipped Models . . . . .                  | 8-19 |  |
| <b>ZF Cab Harness</b>                          |      |  |
| All Equipped Models . . . . .                  | 8-20 |  |
| <b>ZF Transmission Harness</b>                 |      |  |
| All Equipped Models . . . . .                  | 8-21 |  |
| <b>PS764 Console Harness</b>                   |      |  |
| AS720 . . . . .                                | 8-22 |  |
| <b>Raven Cab Harness</b>                       |      |  |
| All Models . . . . .                           | 8-23 |  |
| <b>5000 Adapter Harness</b>                    |      |  |
| All Equipped Models . . . . .                  | 8-24 |  |
| <b>Raven Frame Harness</b>                     |      |  |
| All Models . . . . .                           | 8-25 |  |
| <b>CAN Tee Option Harness</b>                  |      |  |
| All Models . . . . .                           | 8-26 |  |
| <b>CAN Control Node Harness</b>                |      |  |
| All Models . . . . .                           | 8-27 |  |
| <b>Invicta Speed Adapter</b>                   |      |  |
| All Equipped Models . . . . .                  | 8-28 |  |
| <b>GPS Speed Adapter</b>                       |      |  |
| All Equipped Models . . . . .                  | 8-29 |  |
| <b>SmarTrax Cab Harness</b>                    |      |  |
| All Equipped Models . . . . .                  | 8-30 |  |
| <b>SmarTrax Valve Harness</b>                  |      |  |
| All Equipped Models . . . . .                  | 8-31 |  |
| <b>Boom Harness</b>                            |      |  |
| All Models . . . . .                           | 8-32 |  |
| <b>Boom Section Harness</b>                    |      |  |
| All Models . . . . .                           | 8-33 |  |
| <b>Raven Control Boom Harness</b>              |      |  |
| All Models . . . . .                           | 8-34 |  |
| <b>AccuBoom Harness</b>                        |      |  |
| All Equipped Models . . . . .                  | 8-35 |  |
| <b>AutoBoom Harness</b>                        |      |  |
| All Equipped Models . . . . .                  | 8-36 |  |
| <b>Adjust On the Go Harness</b>                |      |  |
| All Equipped Models . . . . .                  | 8-37 |  |

**Tier 4 Components**

**Specifications**  
AS1025 Only . . . . . 9-1

**Overview**  
AS1025 Only . . . . . 9-2

**Frame Rails**  
AS1025 Only . . . . . 9-4

**Outriggers**  
AS1025 Only . . . . . 9-6

**Intake Air and Cooling Piping**  
AS1025 Only . . . . . 9-8

**Firewall**  
AS1025 Only . . . . . 9-10

**Engine Mounting**  
AS1025 Only . . . . . 9-12

**Engine and Transmission**  
AS1025 Only . . . . . 9-14

**Primary Fuel Filter Head**  
AS1025 Only . . . . . 9-16

**Exhaust Piping**  
AS1025 Only . . . . . 9-18

**Appendix**

**Additional Information**  
Spare Parts Return Policy . . . . . 10-2  
Option Kits for 2012 Apache Sprayers . . . . . 10-3  
Parts Manual Update . . . . . 10-4





# General Information

## Definitions

The following list provides an explanation of part number codes, acronyms and terms used in this manual.

**100** part number prefix for frame, axle and suspension brackets

**200** part number prefix for engine parts

**300** part number prefix for drive line components, transmissions, differentials, planetary, drop box and drive shafts

**400** part number prefix for cab, hood, decals and glass

**500** part number prefix for wheels, tires and manuals

**600** part number prefix for wet system

**700** part number prefix for electrical components

**800** part number prefix for hydraulic components

**900** part number prefix for hardware and rebuilt components

**K** part number prefix for parts available in kit form

**CC** Crop Clearance

**42" CC** 42" Crop Clearance

**50" CC** 50" Crop Clearance

### Heavy

### Duty Front

**Axle** 38" front tires with 12,000 lb. hubs, larger king pins and outer flex's

**120"-160"** Axle is adjustable from 120" to 160" from center of tire to center of tire

**120" Fixed** Axle is not adjustable and is center of tire to center of tire

**AOG** Adjust On the Go

**AP** Apache

**A/R** As Required

**BSPM** British Standard Pipe Male

**DEG** Degree

**FHCS** Flat Head Cap Screw

**FLF** Flared Female Fitting

**FLM** Flared Male Fitting

**FP** Full Port

**HB** Hose Barb

**HP** Horsepower

**HHCS** Hex Head Cap Screw

**JIC** Joint Industry Council

**LD** Long Drop

**LHC** Left Hand Cylinder

**L/H** Left Hand

**NSS** Not Sold Separately

**ORF** O-ring Female

**ORM** O-ring Male

**PF** Pipe Female

**PM** Pipe Male

**QDC** Quick Disconnect

**RHC** Right Hand Cylinder

**R/H** Right Hand

**SHCS** Socket Head Cap Screw

**SHSB** Socket Head Shoulder Bolt

**SS** Stainless Steel

**STD** Standard Port

**ZP** Zinc Plated



## Quick List

### 2012 Apache Filters, Hydraulic Cylinders, Seal Kits and Belts

#### Filters

| ET Part Number | Description                   | Vendor              | Vendor Part Number | Apache Model             |
|----------------|-------------------------------|---------------------|--------------------|--------------------------|
| 201450241      | Engine Oil Filter             | Fleetguard          | LF3970             | All Models               |
| 201450242      | Engine Fuel Filter            | Fleetguard          | FS19732            | All Models except AS1025 |
| 201450303      | Engine Fuel Filter, Primary   | Cummins             | FS1065             | AS1025 Only              |
| 201450243      | Engine Fuel Filter            | Cummins             | 3978040            | All Models except AS1025 |
| 201450304      | Engine Fuel Filter, Secondary | Cummins             | FS5632             | AS1025 Only              |
| 201300116      | Air Filter, Primary           | Donaldson           | P608676            | All Models except AS1025 |
| 201300140      | Air Filter, Primary           | Cummins             | AF55005            | AS1025 Only              |
| 201300117      | Air Filter, Secondary         | Donaldson           | 321925753          | All Models except AS1025 |
| 201300141      | Air Filter, Secondary         | Cummins             | AF55308            | AS1025 Only              |
| 300000101      | Transmission Filter           | Filter ITL(JCB)     | 581/18092          | AS720                    |
| 310100001      | Transmission Filter (ZF)      | Cross not available |                    | AS1020 and 1220          |
| 880000026      | Hydraulic Filter              | Cross not available |                    | All Models               |
| 840000010      | Hydraulic Strainer (In Tank)  | Cross not available |                    | All Models               |
| 490003651      | Cab Charcoal Filter           | Cross not available |                    | All Models               |
| 490006661      | Cab Recirculation Filter      | Cross not available |                    | All Models               |
| 201450291      | Fuel Filter (In Line)         | Cross not available |                    | All Models               |
| 201450001      | Fuel Tank Strainer            | Cross not available |                    | All Models               |
| 201450306      | Crankcase Breather            | Cummins             | CV52001            | AS1025 Only              |

#### Hydraulic Cylinders and Seals

| ET Part Number | Description                         | Seal Kit Part Number | Apache Model                 |
|----------------|-------------------------------------|----------------------|------------------------------|
| 600901510      | Boom tilt up/down                   | 600901515            | All Models                   |
| 600901510      | Boom fold in/out                    | 600901515            | All Models                   |
| 600901511      | Boom tip in/out                     | 600901516            | All Models                   |
| 600901406      | Boom Rack up/down                   | 600901408            | All Models                   |
| 100106052      | Rear Suspension Leveling (small)    | 100106056            | All Models                   |
| 100106063      | Rear Suspension Load (large)        | 100106065            | All Models                   |
| 850000124      | Ladder Cylinder                     | Kit not available    | All Models                   |
| 850000129      | Steering Cylinder (Adjustable axle) | 850000132            | All Adjustable Axle Machines |
| 850000130      | Steering Cylinder (Fixed Axle)      | Kit not available    | All Fixed Axle Machines      |
| 100106514      | Front Strut                         | 100106515            | All Models                   |

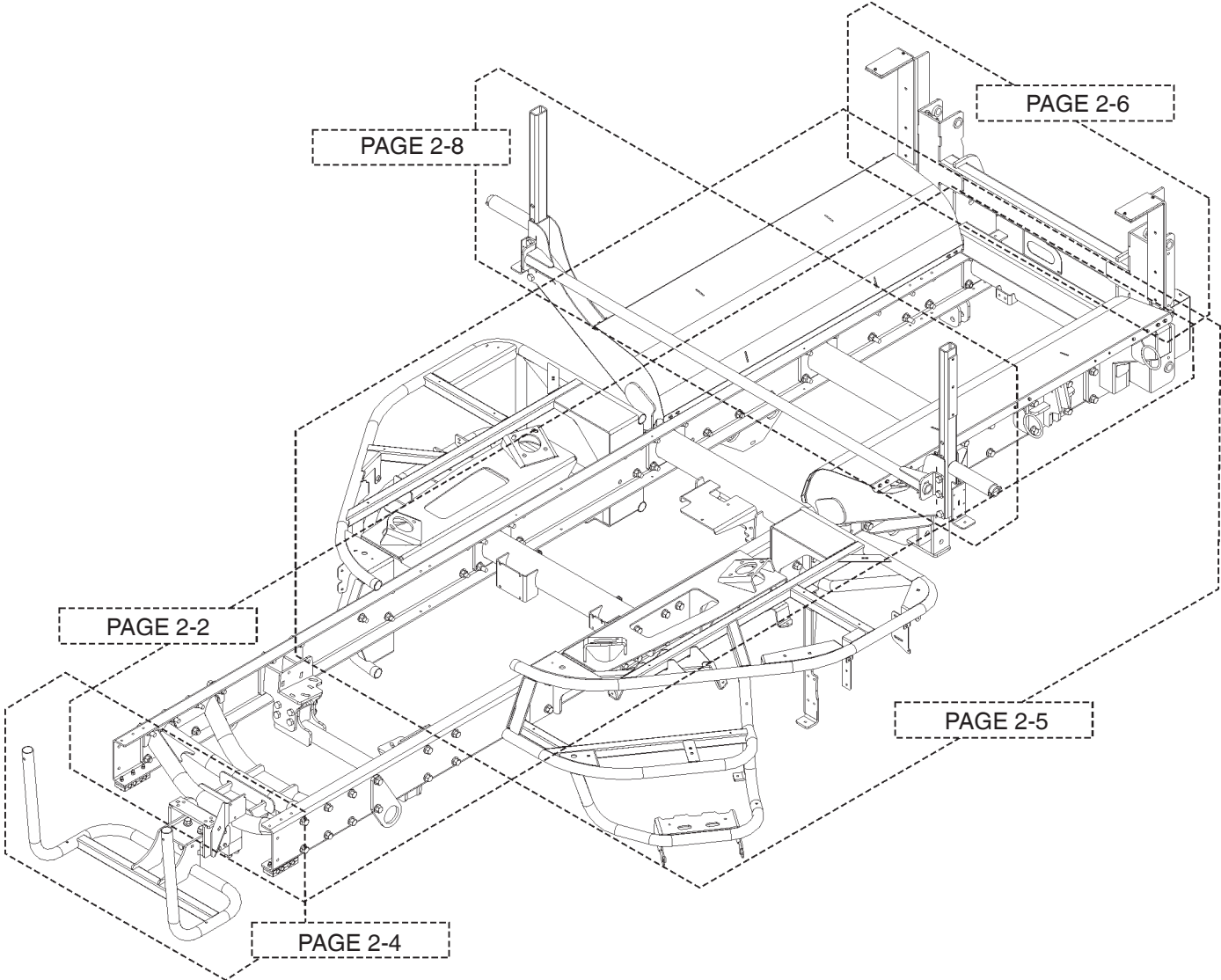
Note: Part Numbers are stamped into the barrel of all cylinders on 2012 Apaches.

#### Belts

| ET Part Number | Description     | Vendor  | Vendor Part Number | Apache Model |
|----------------|-----------------|---------|--------------------|--------------|
| 200100034      | Serpentine Belt | Cummins | 3289963            | All Models   |
|                |                 |         |                    |              |
|                |                 |         |                    |              |

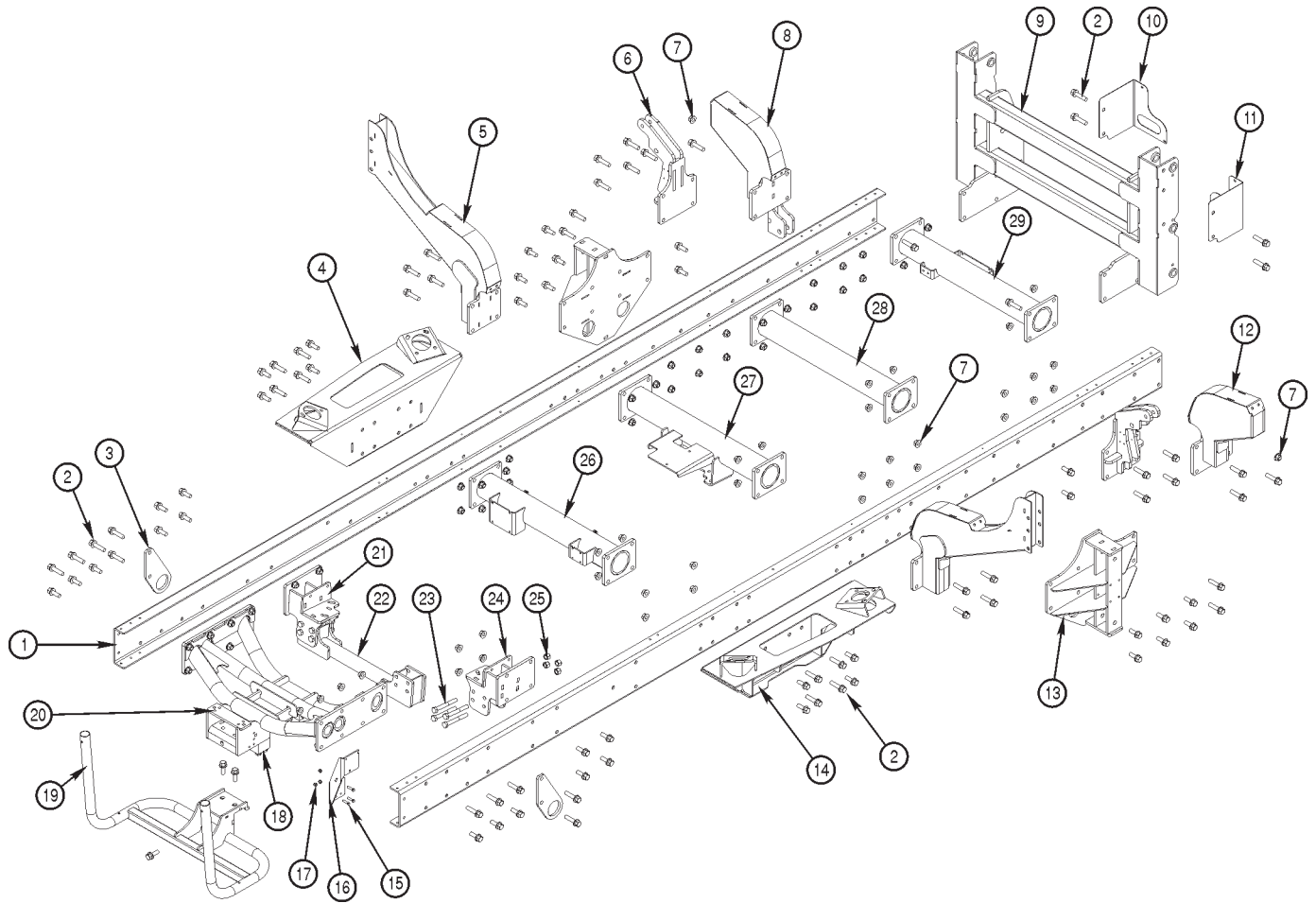


**Chassis**  
**Section Overview**  
**All Models Except AS1025**



# Frame Rails

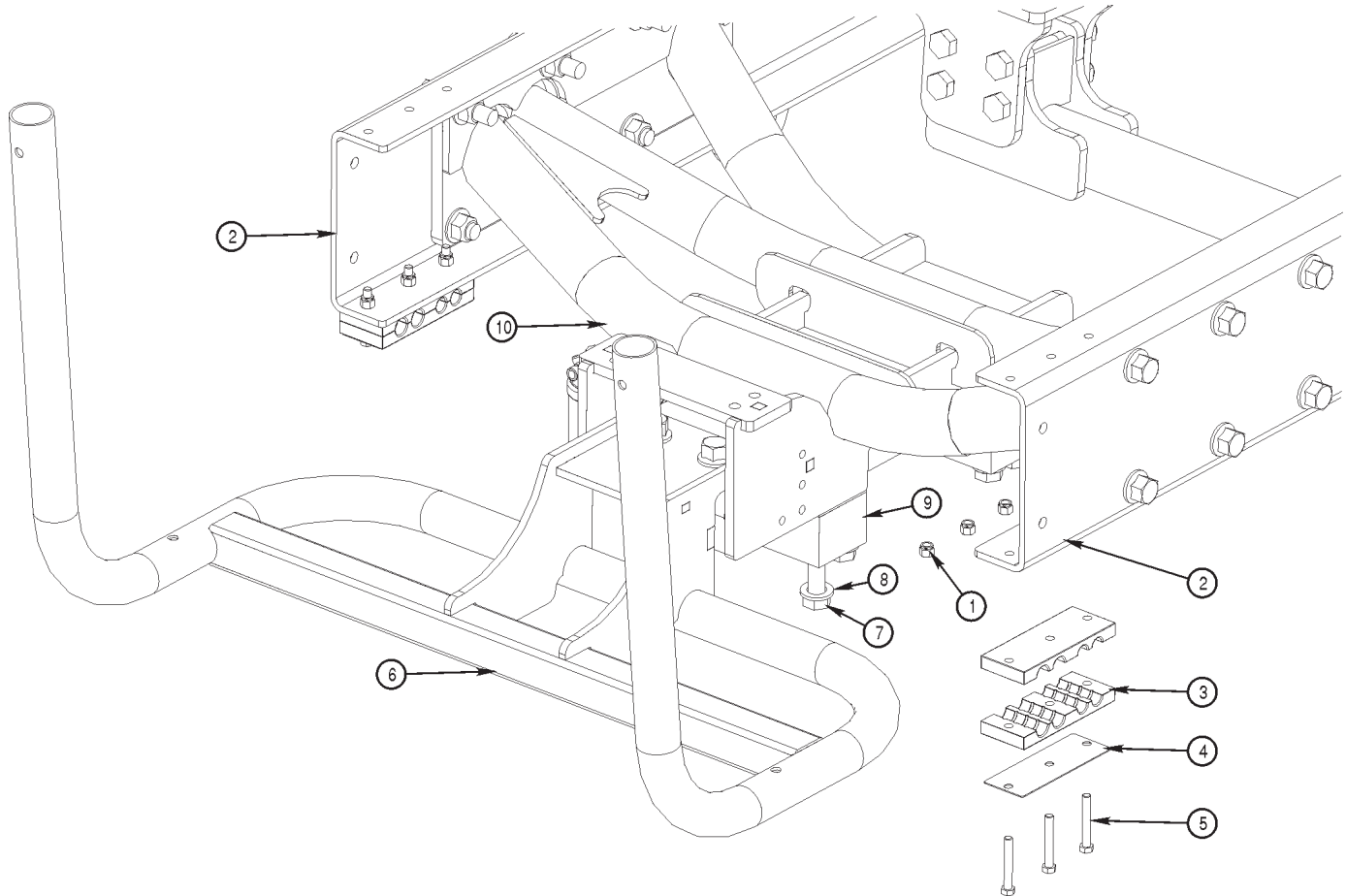
All Models Except AS1025



| Item | Part Number | Qty | Description                        | Comments                                         |
|------|-------------|-----|------------------------------------|--------------------------------------------------|
| 1    | 100100030   | 2   | Frame Rail 2011                    |                                                  |
| 2    | 100100006   | A/R | Bolt, 3/4-10 X 2" G8 Salt Bath     |                                                  |
| 2A   | 100100007   | A/R | Bolt, 3/4-10 X 2 1/2" G8 Salt Bath |                                                  |
| 2B   | 100100008   | A/R | Bolt, 3/4-10 X 3" G8 Salt Bath     |                                                  |
| 2C   | 100100010   | A/R | Bolt, 3/4-10 X 3 1/2" G8 Salt Bath |                                                  |
| 3    | 100108005   | 2   | Bracket, Tie down                  |                                                  |
| 4    | 100100661   | 1   | Support, Cab, Right                |                                                  |
| 5    | 601000053   | 2   | Support, Boom, Front Lower         |                                                  |
| 6    | 100108024   | 2   | Suspension, Cylinder Bracket       |                                                  |
| 7    | 100100005   | A/R | Nut, 3/4-10 G8 Salt Bath           |                                                  |
| 8    | 601000056   | 1   | Support, Tank, Rear R/H            |                                                  |
| 9    | 601000080   | 1   | Back Rack, 2012                    |                                                  |
| 10   | 100108007   | 1   | Cover, R/H Bracket Rear Frame      |                                                  |
| 11   | 100108008   | 1   | Cover, L/H Bracket Rear Frame      |                                                  |
| 12   | 601000057   | 1   | Support, Tank, Rear L/H            |                                                  |
| 13   | 100108023   | 2   | Suspension, Torque Arm Bracket     |                                                  |
| 14   | 100100660   | 1   | Support, Cab, Left                 |                                                  |
| 15   | 900002835   | 3   | Bolt, HHCS 3/8-16 x 1 1/2 G5 ZP    |                                                  |
| 16   | 100100117   | 1   | Bracket, Fan Block 2012            |                                                  |
| 17   | 901003020   | 3   | Nut, Nylock 3/8-16 ZP              |                                                  |
| 18   | 100105239   | 2   | Bearing, Carrier, Lower            | Uses 8 - 900011877 Bolts & 8 - 902000100 Washers |
| 19   | 201200145   | 1   | Support Frame, Radiator            |                                                  |
| 20   | 100105238   | 1   | Bolster, Engine                    |                                                  |
| 21   | 100100108   | 1   | Engine to Frame Mount R/H          |                                                  |
| 22   | 100100107   | 1   | Cross Member, Engine Mount         |                                                  |
| 23   | 900004013   | 8   | Bolt, HHCS 3/4-10 x 6 G5 ZP        |                                                  |
| 24   | 100100109   | 1   | Engine to Frame Mount L/H          |                                                  |
| 25   | 901003074   | 8   | Nut, Nylock 3/4-10                 |                                                  |
| 26   | 100100115   | 1   | Frame Cross Member, Front 2012     |                                                  |
| 27   | 100100106   | 1   | Frame Cross Member,Hydraulic Tank  |                                                  |
| 28   | 100100103   | 1   | Frame Cross Member                 |                                                  |
| 29   | 100100116   | 1   | Frame Cross Member, Rear 2012      |                                                  |
|      |             |     |                                    |                                                  |
|      | 700000570   | 1   | Jumper Coil Suppression            | Not shown                                        |

# Hose Clamp

## All Models

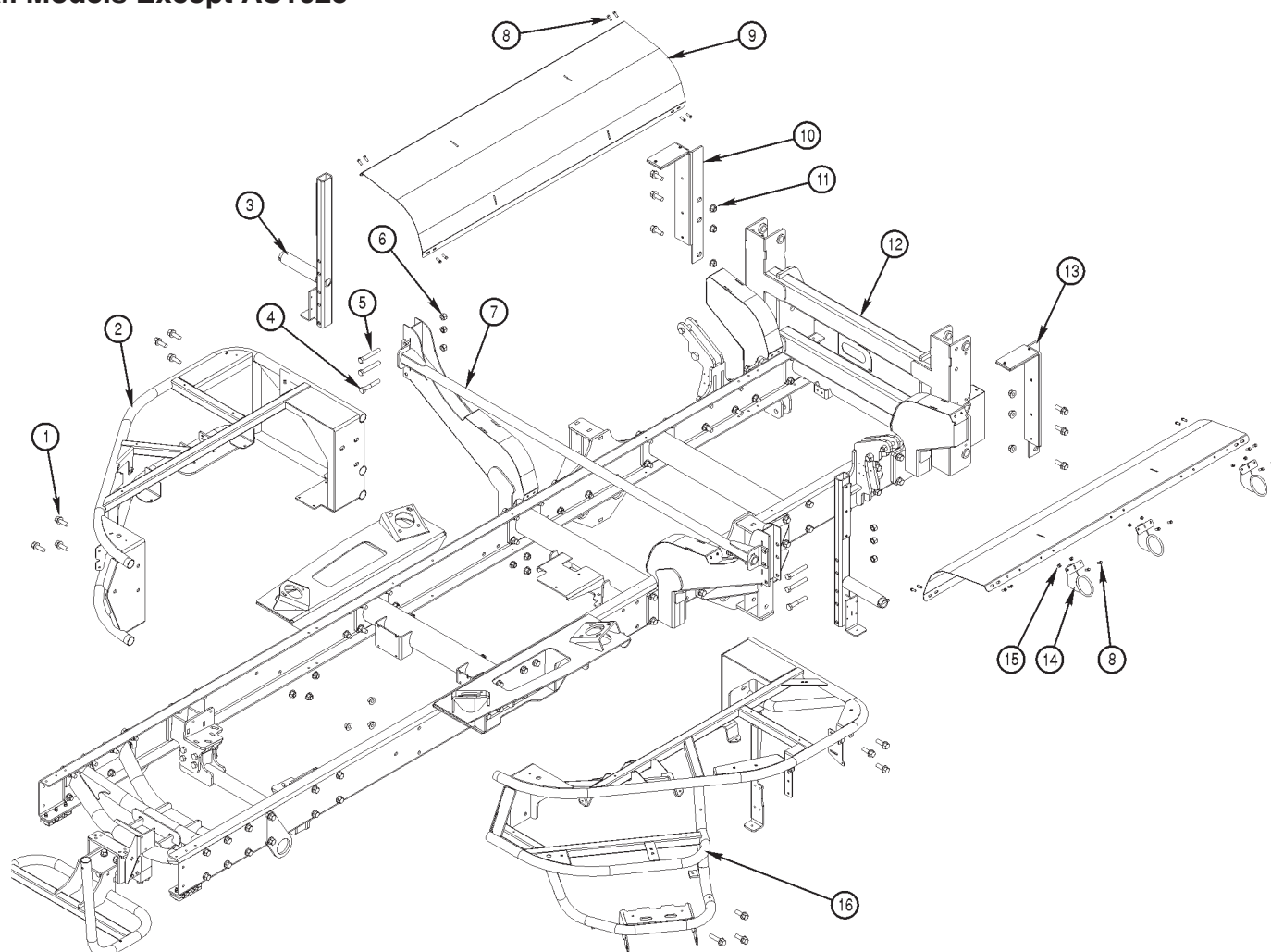


| Item | Part Number | Qty | Description                        | Comments |
|------|-------------|-----|------------------------------------|----------|
| 1    | 901003020   | 6   | Nut, Nylock 3/8-16 ZP              |          |
| 2    | 100100030   | 2   | Frame Rail                         |          |
| 3    | 890000002   | 4   | Retainer, Hydraulic Hose, Frame    |          |
| 4    | 890000003   | 2   | Retainer Cap Plate, Hydraulic Hose |          |
| 5    | 900002855   | 6   | Bolt, HHCS 3/8-16 X 2 1/2 G5 Z     |          |
| 6    | 201200145   | 1   | Support Frame, Radiator            |          |
| 7    | 900011877   | 8   | Bolt, HHCS 3/4-16 X 4 1/2 G8 Z     |          |
| 8    | 902000100   | 8   | Washer, Flat 3/4\" G8              |          |
| 9    | 100105239   | 2   | Bearing, Carrier Lower             |          |
| 10   | 100105238   | 1   | Bolster, 2011                      |          |



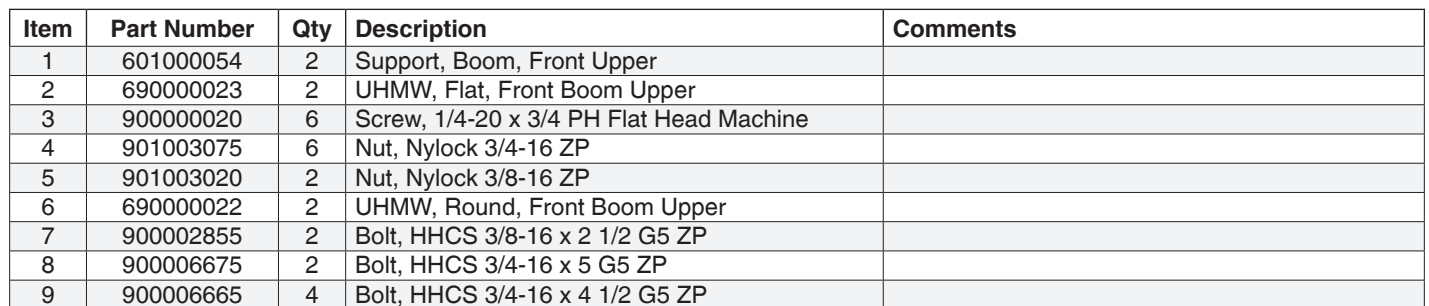
# Outriggers

All Models Except AS1025



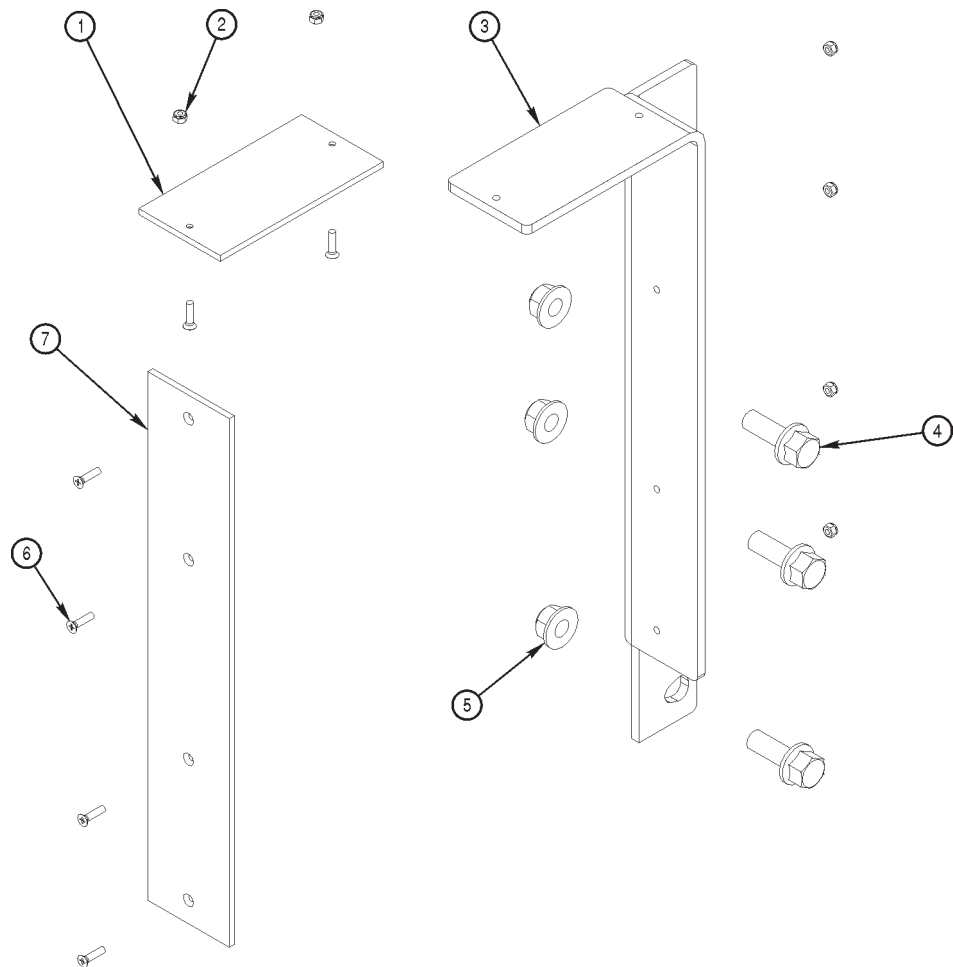
| Item | Part Number | Qty | Description                              | Comments |
|------|-------------|-----|------------------------------------------|----------|
| 1    | 100100006   | A/R | Bolt, 3/4-10 X 2" G8 Salt Bath           |          |
| 1A   | 100100007   | A/R | Bolt, 3/4-10 X 2 1/2" G8 Salt Bath       |          |
| 1B   | 100100008   | A/R | Bolt, 3/4-10 X 3" G8 Salt Bath           |          |
| 1C   | 100100010   | A/R | Bolt, 3/4-10 X 3 1/2" G8 Salt Bath       |          |
| 2    | 100100663   | 1   | Outrigger Frame, R/H                     |          |
| 3    | 601000054   | 2   | Support, Boom, Front Upper               |          |
| 4    | 900006675   | 2   | Bolt, HHCS 3/4-16 X 5 G5 ZP              |          |
| 5    | 900006665   | 4   | Bolt, HHCS 3/4-16 X 4 1/2 G5 ZP          |          |
| 6    | 901003075   | 6   | Nut, Nylock 3/4-16 ZP                    |          |
| 7    | 601000061   | 1   | Cross Bar, Product tank support          |          |
| 8    | 900106537   | 32  | Bolt, 3/8-16 X 1" Flanged Head Salt Bath |          |
| 9    | 601000055   | 2   | Support, Tank, Side                      |          |
| 10   | 601000058   | 1   | Rinse Tank Hold Down, R/H                |          |
| 11   | 100100005   | A/R | Nut, 3/4-10 G8 Salt Bath                 |          |
| 12   | 601000080   | 1   | Back Rack, 2012                          |          |
| 13   | 601000059   | 1   | Rinse Tank Hold Down, L/H                |          |
| 14   | 690000304   | 3   | Retainer, Product hose                   |          |
| 15   | 901003020   | 6   | Nut, Nylock 3/8-16 ZP                    |          |
| 16   | 100100662   | 1   | Outrigger Frame, L/H                     |          |

## All Models



# Rinse Tank Hold Down Bracket

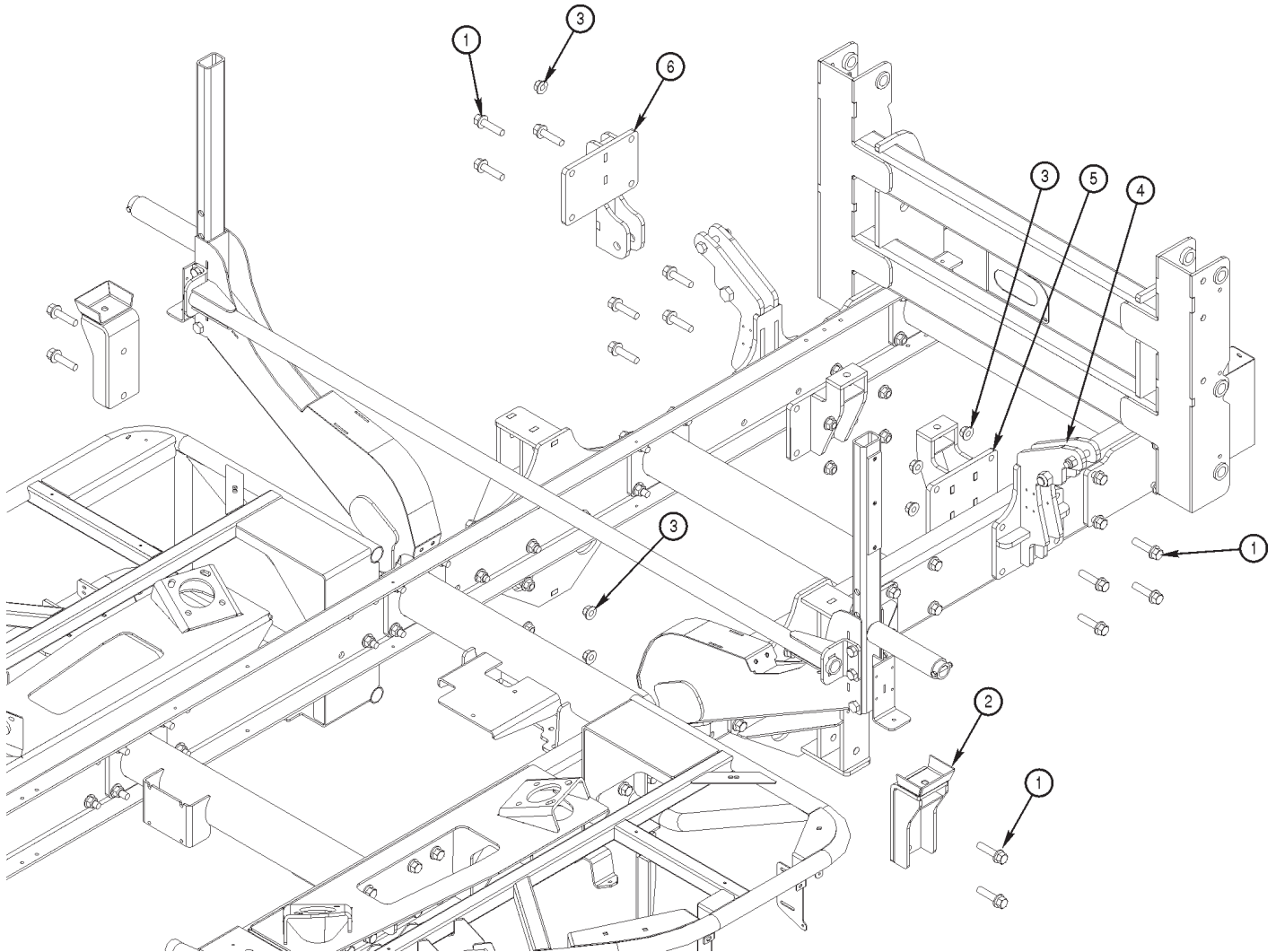
## All Models



| Item | Part Number | Qty | Description                              | Comments |
|------|-------------|-----|------------------------------------------|----------|
| 1    | 690000025   | 2   | UHMW, Flat, Rinse Hold Down Top          |          |
| 2    | 901003000   | 12  | Nut, Nylock 1/4-20 ZP                    |          |
| 3A   | 601000058   | 1   | Rinse Tank Hold Down, R/H                |          |
| 3B   | 601000059   | 1   | Rinse Tank Hold Down, L/H                |          |
| 4    | 100100006   | 6   | Bolt, 3/4-10 x 2 G8 Salt Bath            |          |
| 5    | 100100005   | 6   | Nut, 3/4-10 Salt Bath                    |          |
| 6    | 900000019   | 12  | Screw, 1/4-20 x 1" PH Flat Head Machined |          |
| 7    | 690000024   | 2   | UHMW, Flat, Rinse Hold Down Upright      |          |
|      |             |     |                                          |          |
|      |             |     |                                          |          |

# Stainless Steel Tank Support

## All Models

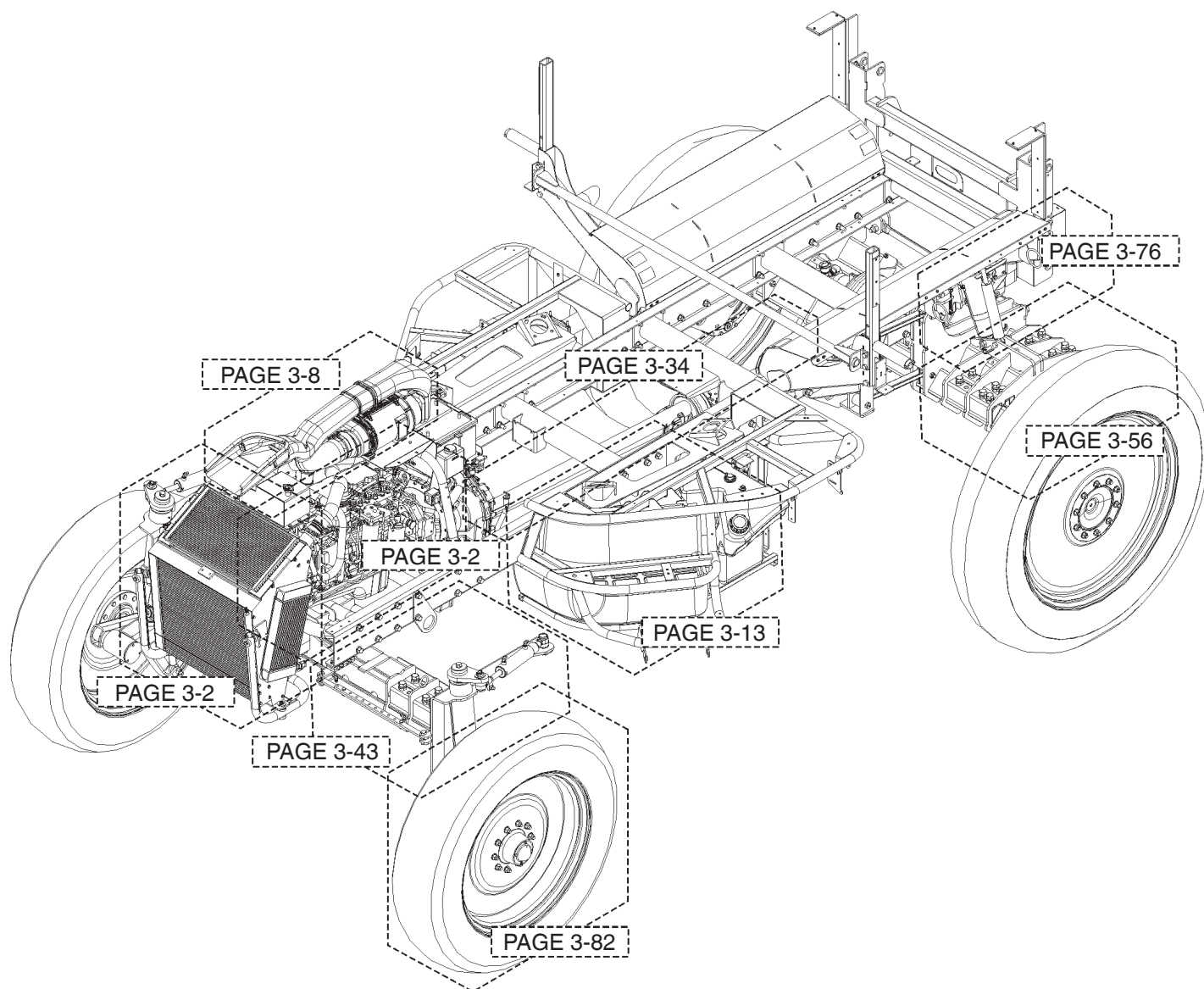


| Item | Part Number | Qty | Description                    | Comments |
|------|-------------|-----|--------------------------------|----------|
| 1    | 100100010   | A/R | Bolt, 3/4-10 X 3 1/2 Salt Bath |          |
| 2    | 601000062   | 2   | Support, SS Tank, Front        |          |
| 3    | 100100005   | A/R | Nut, 3/4-10 Salt Bath          |          |
| 4    | 100108024   | 2   | Suspension, Cylinder Bracket   |          |
| 5    | 601000063   | 2   | Support, SS Tank, Rear         |          |
| 6    | 100108072   | 1   | Mount, Tracking Bar SS Tank    |          |
|      |             |     |                                |          |
|      |             |     |                                |          |
|      |             |     |                                |          |
|      |             |     |                                |          |

# Drivetrain

## Section Overview

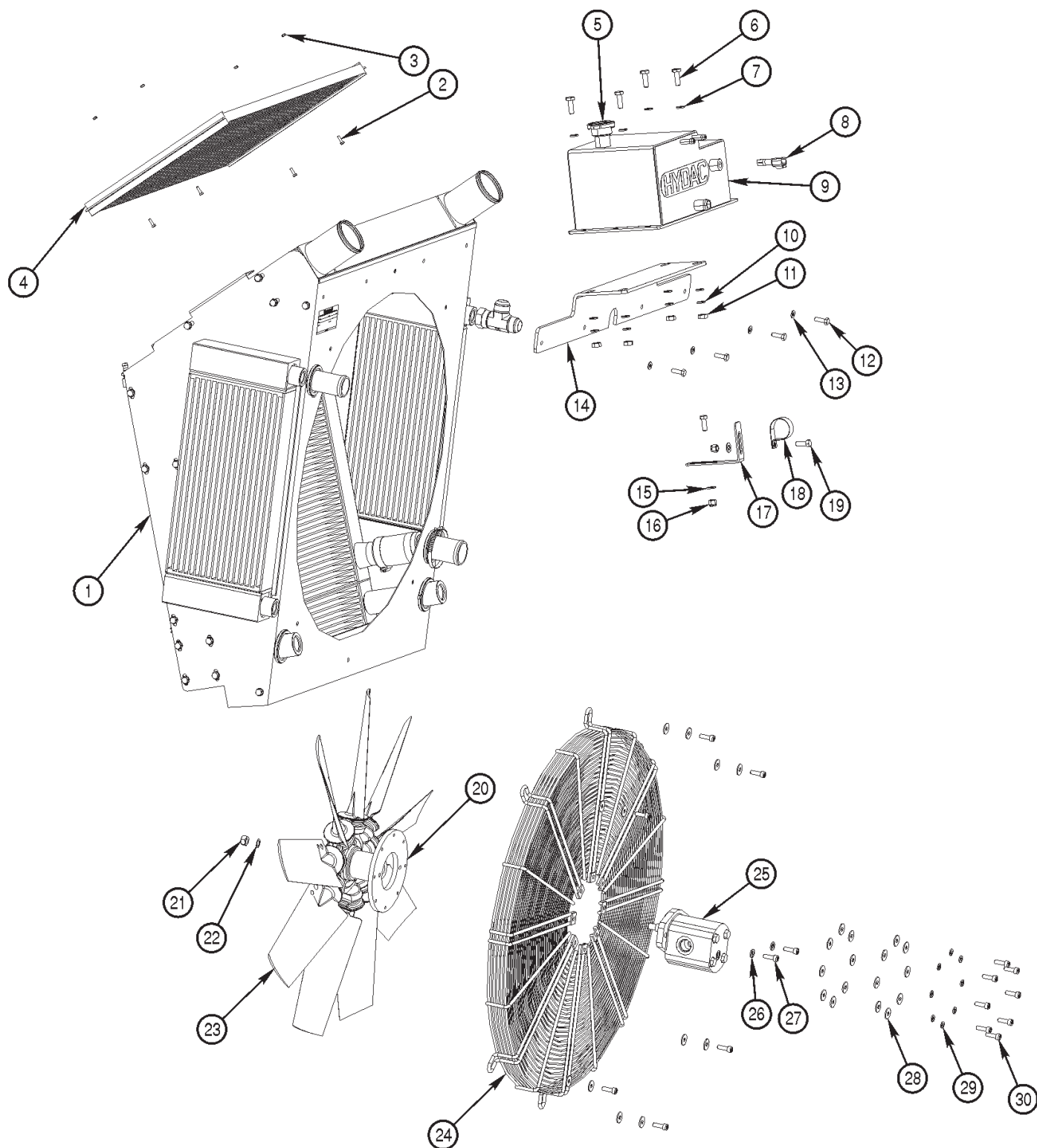
All Models Except AS1025



## All Models

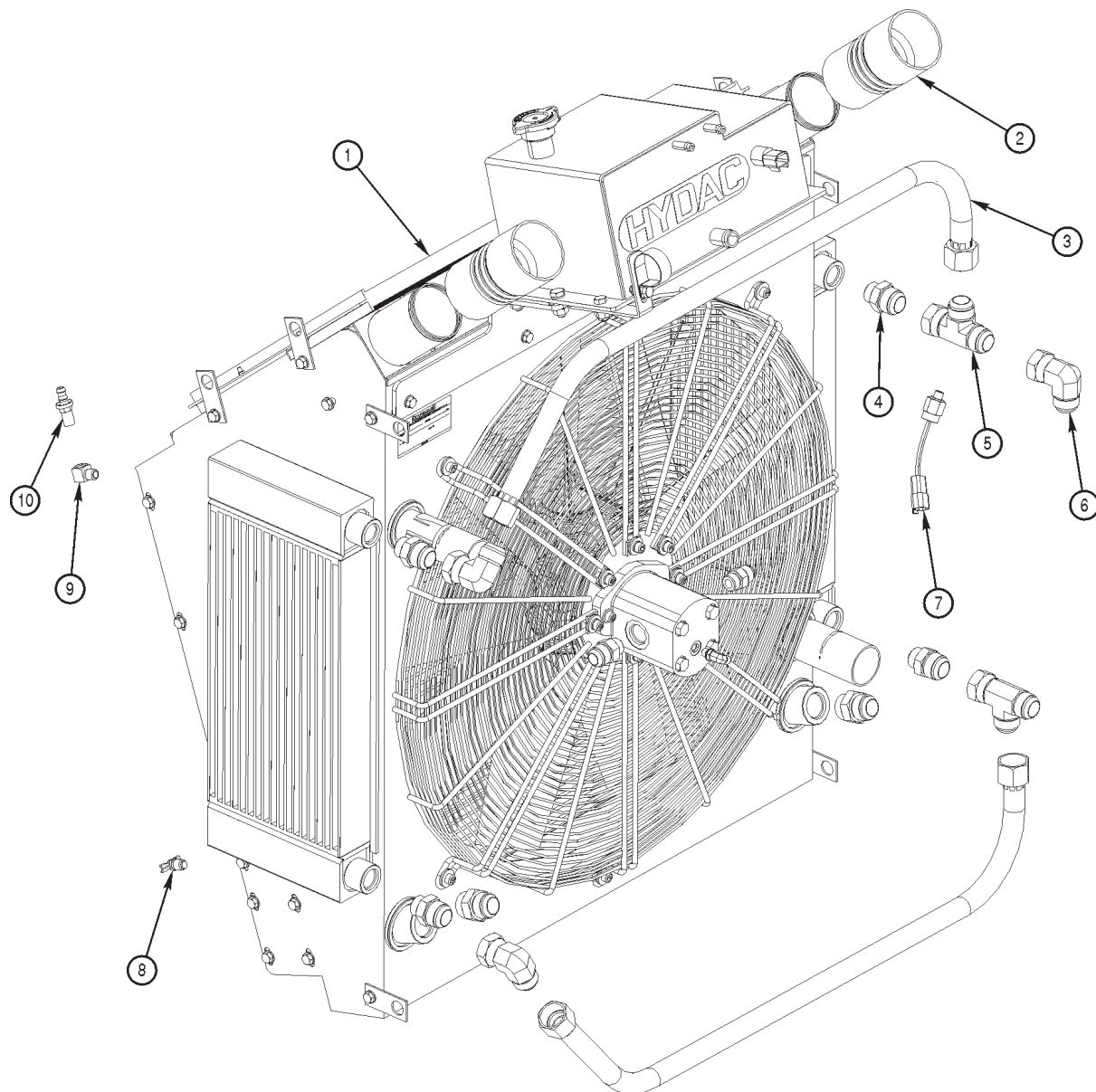


| Item | Part Number | Qty | Description                     | Comments                 |
|------|-------------|-----|---------------------------------|--------------------------|
| 1    | 900100304   | A/R | Bolt, M8 x 16 G8                |                          |
| 2    | 900100303   | A/R | Washer, Flat M8                 |                          |
| 3    | 201200164   | 1   | Radiator, Cooling Package       |                          |
| 4    | 201200165   | 1   | Hose, 1.75 x 10 "               |                          |
| 5    | 915001303   | 8   | Clamp, Screw #32 38-62 mm       |                          |
| 6    | 201200166   | 1   | Pipe, 1.75" Angled Connector    |                          |
| 7    | 201200168   | 1   | Pipe, 2" Angled Connector       |                          |
| 8    | 201200167   | 1   | Hose, 2" x 4 "                  |                          |
| 9    | 201200173   | 1   | Cooler, Hydraulic               |                          |
| 10   | 490100000   | A/R | Sponge, Rubber 1" W x 1/4"Thick |                          |
| 11   | 201200174   | 1   | Cooler, Charge Air              |                          |
| 12   | 201200171   | 1   | Valve, Temperature Bypass       |                          |
| 13   | 201200170   | 1   | Cooler, Transmission R/H        |                          |
| 14   | 201200172   | 1   | Plug, Trans Cooler              |                          |
| 15   | 201200175   | 1   | Housing, Cooling Package        |                          |
| 16   | 201200169   | 1   | Cooler, Transmission L/H        |                          |
|      |             |     |                                 |                          |
|      | 420110010   | 1   | Hose, A/C #8                    | Compressor to Condenser  |
|      | 420110011   | 1   | Hose, A/C #6                    | Condenser to Drier       |
|      | 420110012   | 1   | Hose, A/C #6                    | Drier to Evaporator      |
|      | 420110013   | 1   | Hose, A/C #10                   | Evaporator to Compressor |
|      | 420120002   | 1   | Switch, A/C Trinary             |                          |
|      | 420120500   | 1   | Drier, A/C                      |                          |

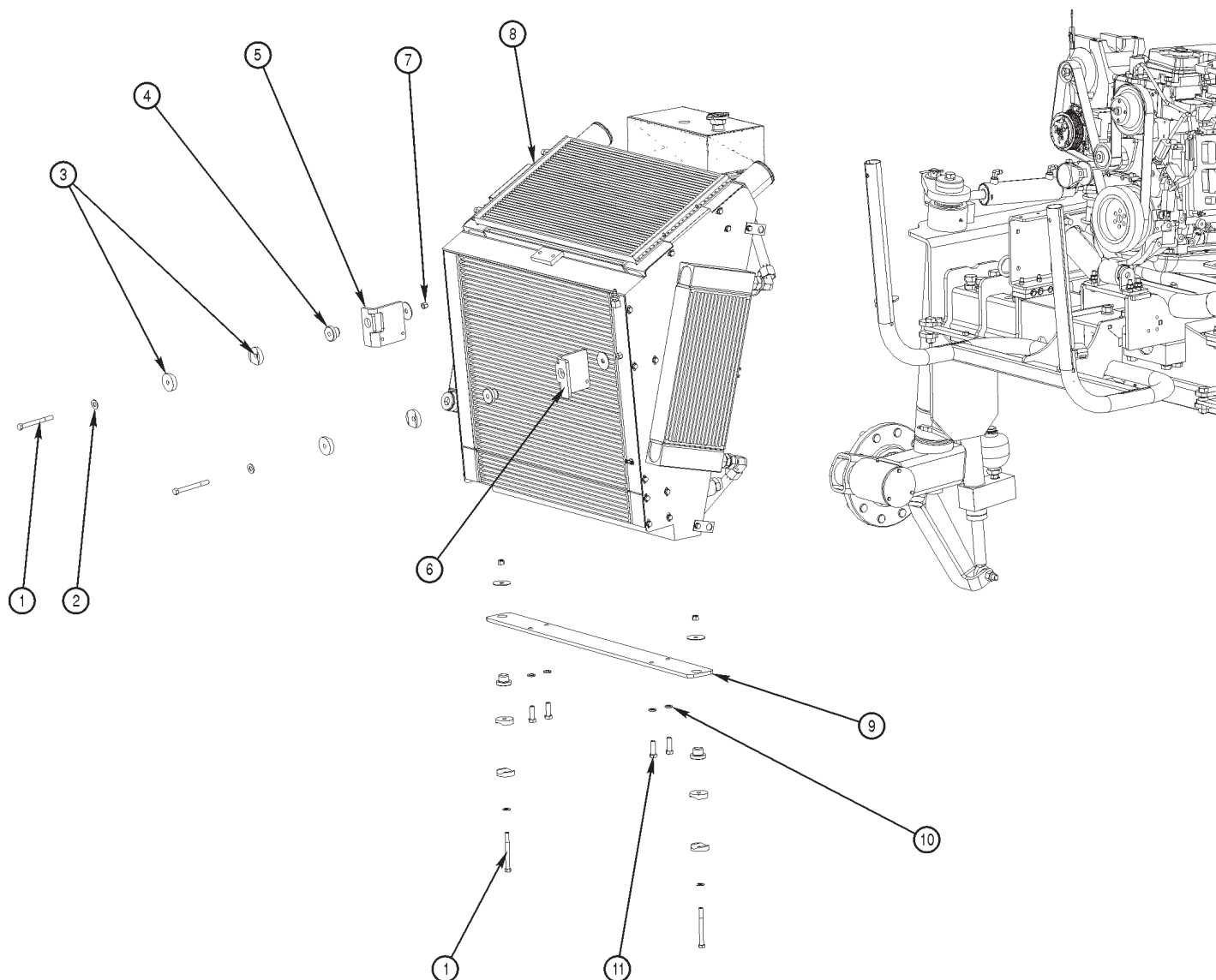




| Item | Part Number          | Qty | Description                          | Comments                                          |
|------|----------------------|-----|--------------------------------------|---------------------------------------------------|
| 1    | 201200175            | 1   | Housing, Cooling Package             |                                                   |
| 2    | 201200161            | 1   | Condenser, Cooling Package           |                                                   |
| 3    | 900106534            | 4   | Bolt, 10-32 x 3/4                    |                                                   |
| 4    | 901002900            | 4   | Nut, Nylock 10-32                    |                                                   |
| 5    | 201200182            | 1   | Cap, Expansion Tank, 16 PSI          |                                                   |
| 6    | 900100005            | 4   | Bolt, HHCS M10 x 1.5 x 30            |                                                   |
| 7    | 902100101            | 8   | Washer, Flat M10                     |                                                   |
| 8    | 700100131            | 1   | Sensor, Coolant Level                | AS720, AS1020 and AS1220                          |
| 8A   | 750000006            | 1   | Sensor, Coolant Level, 3 wire        | AS1025 Only                                       |
| 9    | 201200181            | 1   | Tank, Expansion                      |                                                   |
| 10   | 902100100            | 4   | Washer, Lock M10                     |                                                   |
| 11   | 901100736            | 4   | Nut, Hex M10 x 1.5                   |                                                   |
| 12   | 900108611            | 12  | Bolt, SHCS M8 x 1.25 x 24            |                                                   |
| 13   | 900100303            | 4   | Washer, Flat M8                      |                                                   |
| 14   | 201200180            | 1   | Bracket, Expansion Tank              |                                                   |
| 15   | 902003200            | 2   | Washer, Flat 3/8 G5 ZP               |                                                   |
| 16   | 901003020            | 2   | Nut, Nylock 3/8-16 ZP                |                                                   |
| 17   | 201200155            | 1   | Bracket, Radiator Tube Upper 2011/12 |                                                   |
| 18   | <del>915002903</del> | 1   | Band, Insulated 1 3/4"               |                                                   |
| 19   | 900002815            | 2   | Bolt, HHCS 3/8-16 X 1 G5 ZP          |                                                   |
| 20   | 201200177            | 1   | Mount, Fan Motor                     |                                                   |
| 21   | 901000546            | 1   | Nut, Nylock 1/2-20 G8                |                                                   |
| 22   | 901000547            | 1   | Machine Bushing, 1" x 0.610          |                                                   |
| 23   | 201200184            | 1   | Fan                                  |                                                   |
| 24   | 201200178            | 1   | Grill, Fan                           |                                                   |
| 25   | 201200185            | 1   | Fan Motor, Hydraulic                 | First sprayer to use new fan motor is S/N 9110397 |
| 26   | 902100100            | 2   | Washer, Lock M10                     |                                                   |
| 27   | 900108670            | 2   | Bolt, SHCS M10 x 1.5 x 30            |                                                   |
| 28   | 900100304            | 36  | Washer, Flat 5/16" ZP                |                                                   |
| 29   | 900100302            | 8   | Washer, Lock M8                      |                                                   |
| 30   | 900100301            | 8   | Bolt, HHCS M8 x 1.25 x 25            |                                                   |
|      |                      |     |                                      |                                                   |
|      | 420110010            | 1   | Hose, A/C #8                         | Compressor to Condenser                           |
|      | 420110011            | 1   | Hose, A/C #6                         | Condenser to Drier                                |
|      | 420110012            | 1   | Hose, A/C #6                         | Drier to Evaporator                               |
|      | 420110013            | 1   | Hose, A/C #10                        | Evaporator to Compressor                          |
|      | 420120002            | 1   | Switch, A/C Trinary                  |                                                   |
|      | 420120500            | 1   | Drier, A/C                           |                                                   |



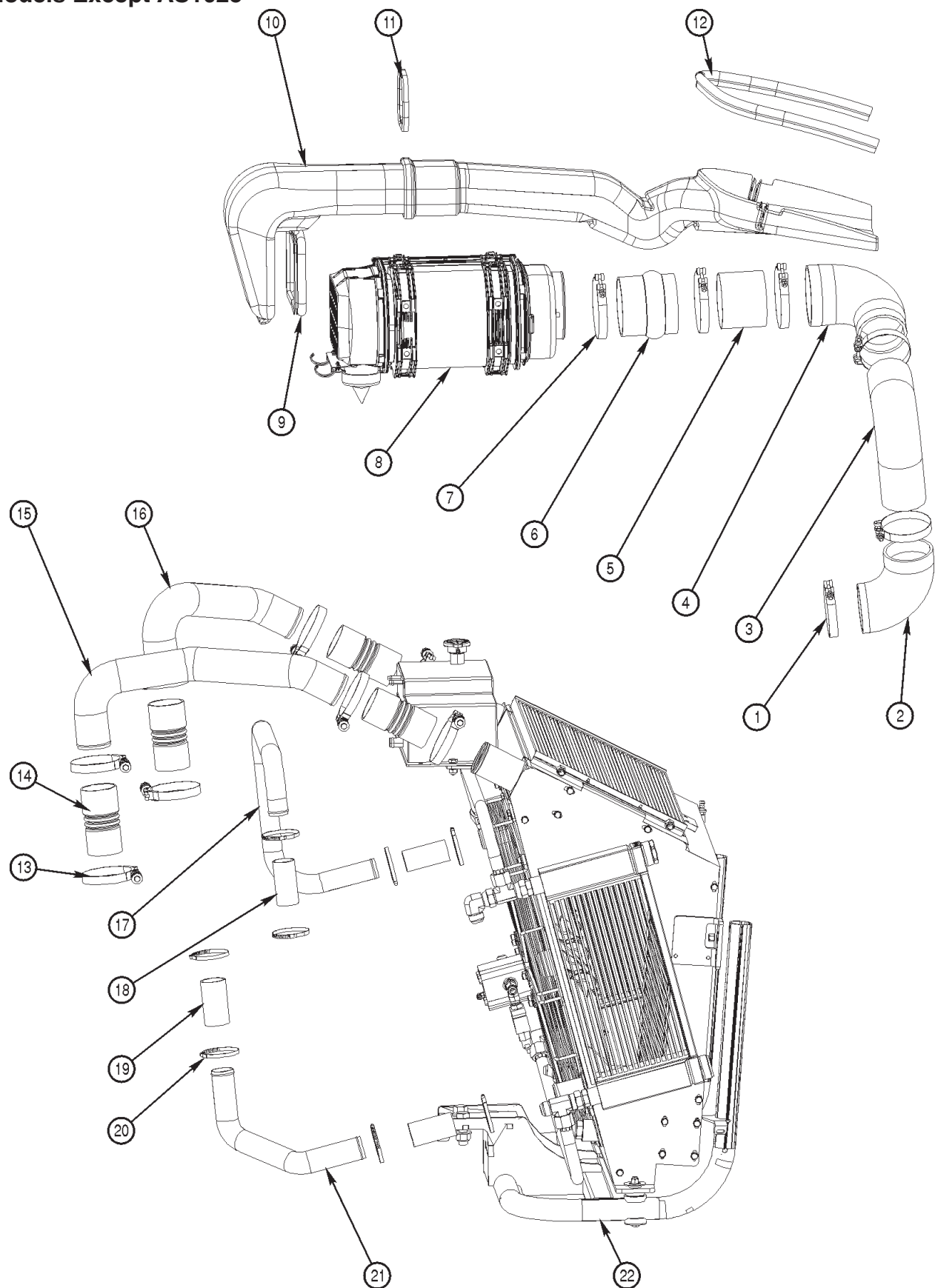
| Item | Part Number | Qty | Description                           | Comments                 |
|------|-------------|-----|---------------------------------------|--------------------------|
| 1    | 201200183   | 1   | Cooling Package, Hydac                |                          |
| 2    | 201200007   | 4   | Coupler, Nomex 3.00\"ID 6\" Long      |                          |
| 3    | 201200163   | 2   | Tube, Cooler Crossover                |                          |
| 4    | 800302133   | 4   | Fitting, 16 FLM X 12 ORB              |                          |
| 5    | 800302495   | 1   | Fitting, 16 JIC Run Tee W/ 4 ORB Port |                          |
| 6    | 800302134   | 3   | Fitting, 16 FLF X 16 FLM 90           |                          |
| 7    | 700020112   | 1   | Switch, Temp NC 200F 1/4 ORB          |                          |
| 8    | 201200060   | 1   | Petcock, Radiator 1/4 NPT             |                          |
| 9    | 800302137   | 1   | Fitting, 90 Street Elbow 1/4 NPT      |                          |
| 10   | 800302161   | 1   | Fitting, 4PM X 6HB                    |                          |
|      | 420110010   | 1   | Hose, A/C #8                          | Compressor to Condenser  |
|      | 420110011   | 1   | Hose, A/C #6                          | Condenser to Drier       |
|      | 420110012   | 1   | Hose, A/C #6                          | Drier to Evaporator      |
|      | 420110013   | 1   | Hose, A/C #10                         | Evaporator to Compressor |
|      | 420120002   | 1   | Switch, A/C Trinary                   |                          |
|      | 420120500   | 1   | Drier, A/C                            |                          |



| Item | Part Number | Qty | Description                     | Comments                 |
|------|-------------|-----|---------------------------------|--------------------------|
| 1    | 902201109   | 4   | Bolt, HHCS 7/16-14 x 5"         |                          |
| 2    | 902002050   | 8   | Washer, Fender 1/2 x 2" ZP      | ID 17/32" x OD 2"        |
| 3    | 201200147   | 8   | Bushing, Radiator Support       |                          |
| 4    | 490002610   | 4   | Isolator, Radiator              |                          |
| 5    | 201200149   | 1   | Support upper R/H Radiator      |                          |
| 6    | 201200148   | 1   | Support upper L/H Radiator      |                          |
| 7    | 902201108   | 4   | Nut, Nylock 7/16-14             |                          |
| 8    | 201200183   | 1   | Cooling Package, Hydac          | All Models               |
| 9    | 201200146   | 1   | Support, Lower Radiator         |                          |
| 10   | 902201100   | 4   | Washer, Lock 1/2"               |                          |
| 11   | 900003245   | 4   | Bolt, HHCS 1/2-13 x 1 1/2 G5 ZP |                          |
|      | 420110010   | 1   | Hose, A/C #8                    | Compressor to Condenser  |
|      | 420110011   | 1   | Hose, A/C #6                    | Condenser to Drier       |
|      | 420110012   | 1   | Hose, A/C #6                    | Drier to Evaporator      |
|      | 420110013   | 1   | Hose, A/C #10                   | Evaporator to Compressor |
|      | 420120002   | 1   | Switch, A/C Trinary             |                          |
|      | 420120500   | 1   | Drier, A/C                      |                          |

# Engine Intake Air and Cooling Piping

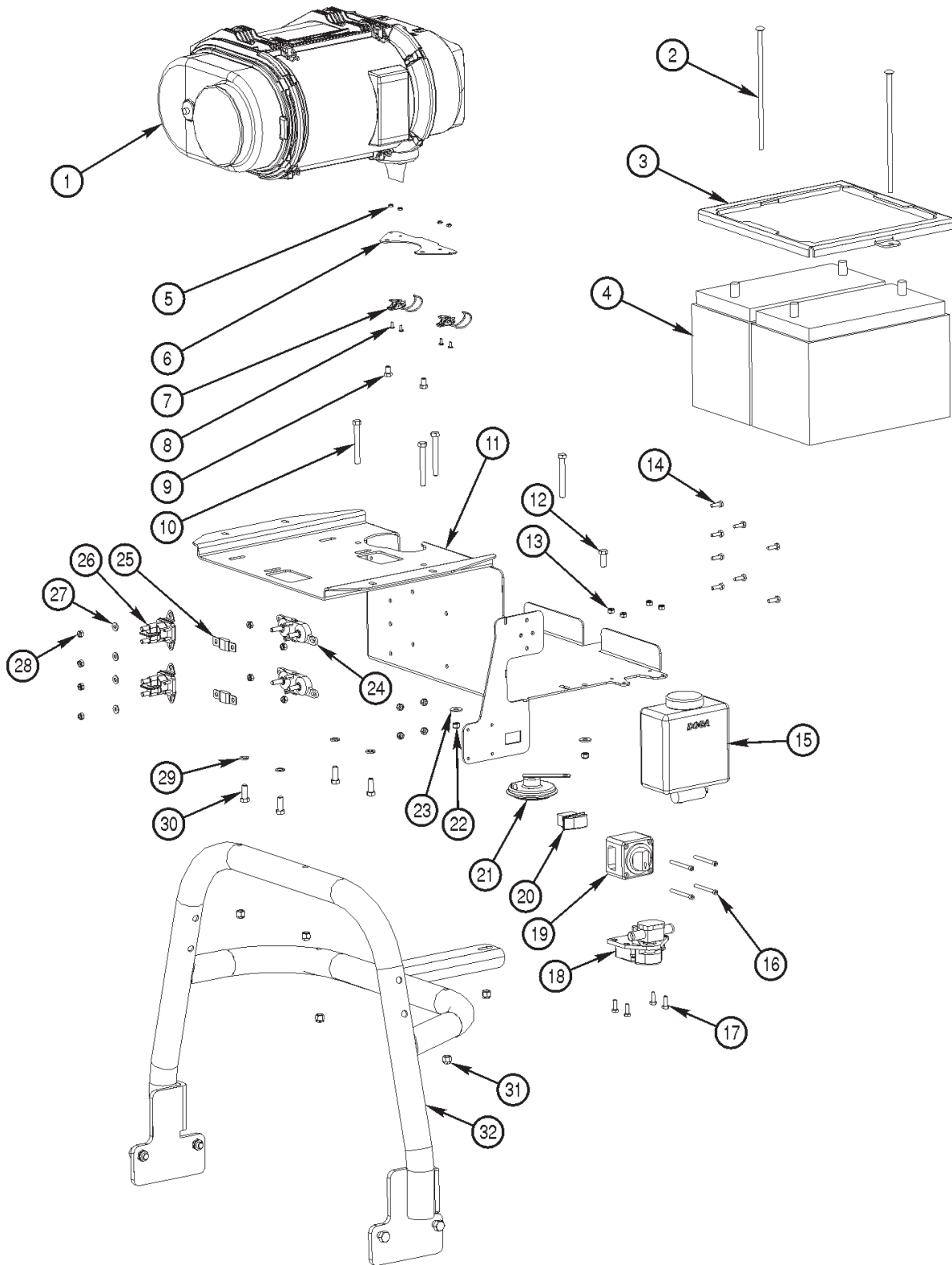
All Models Except AS1025



| Item | Part Number | Qty | Description                    | Comments                                                 |
|------|-------------|-----|--------------------------------|----------------------------------------------------------|
| 1    | 201300001   | 3   | Clamp, T-bolt 4" Dia.          |                                                          |
| 2    | 201300060   | 1   | Elbow 90 DEG 4" Dia.           |                                                          |
| 3    | 201200144   | 1   | Tube, Intake                   |                                                          |
| 4    | 201300071   | 1   | Elbow 90 DEG 5" - 4" Dia.      |                                                          |
| 5    | 201300136   | 1   | Pipe, 5" Connector 4" Long     |                                                          |
| 6    | 201300124   | 1   | Hose, Hump 5" Straight         |                                                          |
| 7    | 201300002   | 3   | Clamp, T-bolt 5" Dia.          |                                                          |
| 8A   | 201300122   | 1   | Air Cleaner, Donaldson 800 CFM | Primary Filter 201300116.<br>Secondary Filter 201300117. |
| 8B   | 201300108   | 1   | Cover, Air Filter              | Included with P/N 201300122                              |
| 9    | 201300134   | 1   | Seal, Intake Adapter           | 2.75 ft                                                  |
| 10   | 201300129   | 1   | Intake, Cold Air               |                                                          |
| 11   | 201300133   | 1   | Seal, Intake Expansion         | 1.75 ft                                                  |
| 12   | 201300132   | 1   | Seal, Inlet Cowl               | 3.25 ft                                                  |
| 13   | 201200008   | 8   | Clamp, Nomex 3.00"             |                                                          |
| 14   | 201200007   | 4   | Coupler, Nomex 3.00"ID 6" Long |                                                          |
| 15   | 201200140   | 1   | Tube, CAC Inlet                |                                                          |
| 16   | 201200141   | 1   | Tube, CAC Outlet               |                                                          |
| 17   | 201200142   | 1   | Tube, Radiator Upper           |                                                          |
| 18   | 520400104   | 1   | Hose, 1.75" Silicone           | Two 4" pieces are used                                   |
| 19   | 201199098   | 1   | Hose, 2" Silicone              | Two 4" pieces are used                                   |
| 20   | 915001303   | 8   | Clamp, Screw #32 38-62 mm      |                                                          |
| 21   | 201200143   | 1   | Tube, Radiator Lower           |                                                          |
| 22   | 201200145   | 1   | Support Frame, Radiator        |                                                          |
|      |             |     |                                |                                                          |
|      | 201300095   | 1   | Indicator, Air Cleaner         | Not shown                                                |

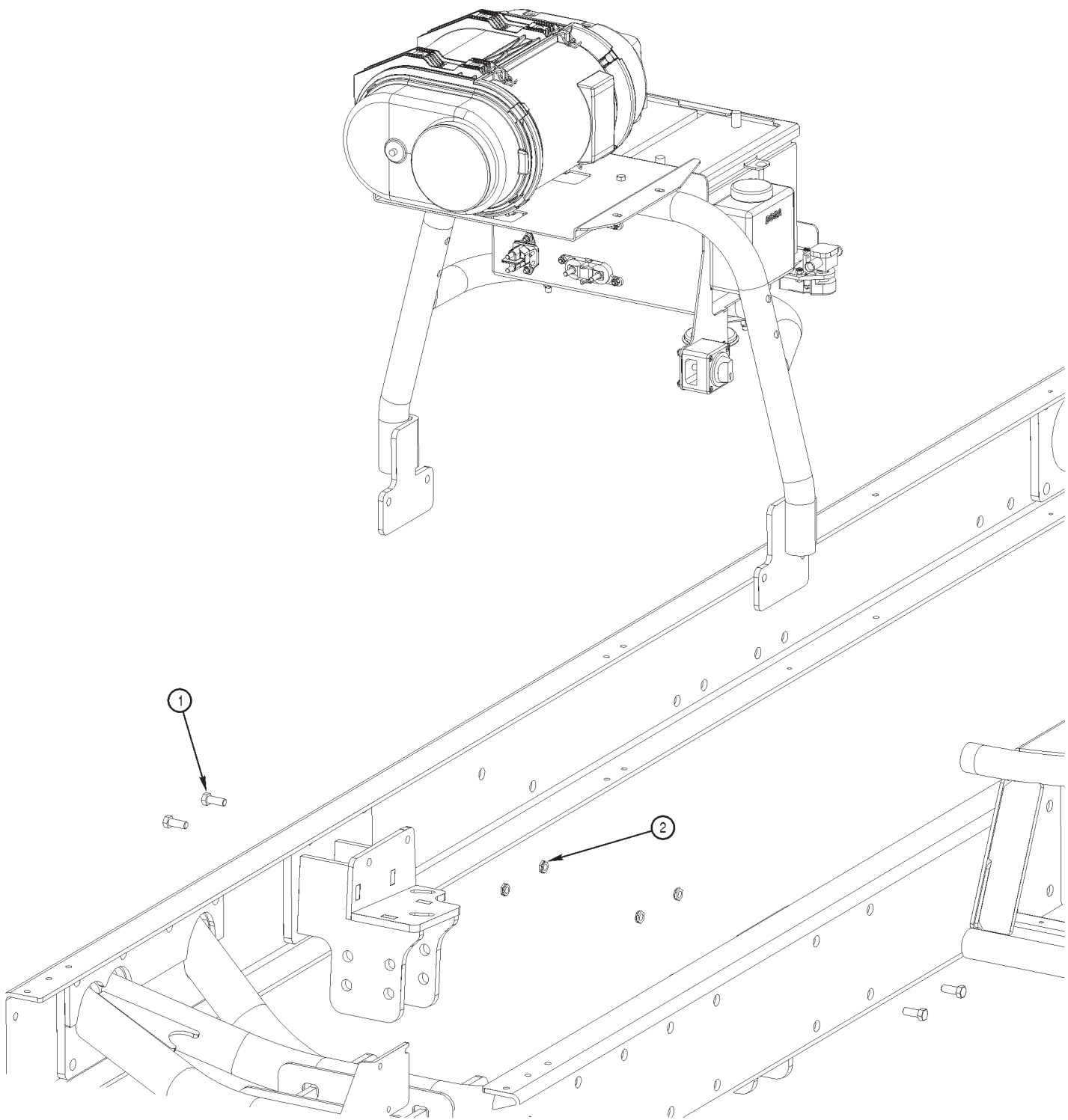
# Firewall

All Models Except AS1025



| Item | Part Number | Qty | Description                         | Comments  |
|------|-------------|-----|-------------------------------------|-----------|
| 1    | 201300122   | 1   | Air Cleaner, Donaldson 800 CMF      |           |
| 2    | 900032036   | 2   | Bolt, Carriage 5/16-18 x 9"         |           |
| 3    | 290000803   | 1   | Bracket, Battery Hold Down          |           |
| 4    | 720000000   | 2   | Battery, 12V Post HDC               |           |
| 5    | 903302606   | 4   | Nut, Nylock 8-32 ZP                 |           |
| 6    | 201300130   | 1   | Plate, Intake Latch                 |           |
| 7    | 201300131   | 2   | Latch, Intake                       |           |
| 8    | 903302602   | 4   | Screw, 8-32 X 3/4 PHIL              |           |
| 9    | 900000612   | 2   | Bolt, HHCS 5/16-18 x 1/2 G5         |           |
| 10   | 900002865   | 4   | Bolt, HHCS 3/8-16 X 3 G5 ZP         |           |
| 11   | 290000805   | 1   | Bracket, Batt/Air Cleaner 2012      |           |
| 12   | 900002815   | 1   | Bolt, HHCS 3/8-16 X 1 G5 ZP         |           |
| 13   | 901003000   | 4   | Nut, Nylock 1/4-20                  |           |
| 14   | 900002395   | 8   | Bolt, HHCS 1/4-20 X 3/4 G5 ZP       |           |
| 15   | 400000895   | 1   | Bottle, Windshield Washer           |           |
| 16   | 900002435   | 4   | Bolt, HHCS 1/4-20 X 2 G5 ZP         |           |
| 17   | 900002395   | 4   | Bolt, HHCS 1/4-20 X 3/4 G5 ZP       |           |
| 18   | 700000725   | 1   | Water Valve 2012                    |           |
| 19   | 700100303   | 1   | Battery Disconnect                  |           |
| 20   | 700300002   | 1   | Switch, Fan Reverse                 |           |
| 21   | 430100000   | 1   | Horn                                |           |
| 22   | 902003045   | 1   | Washer, Flat 3/8 ZP                 |           |
| 23   | 901003020   | 1   | Nut, Nylock 3/8-16 ZP               |           |
| 24   | 700100130   | 2   | Fuse Holder, Bussman                |           |
| 25   | 700100129   | 2   | Fuse, Bussman 125 AMP               |           |
| 26   | 700100128   | 2   | Solenoid, White-Rogers              |           |
| 27   | 902003035   | 4   | Washer, Flat 1/4-20                 |           |
| 28   | 901003000   | 4   | Nut, Nylock 1/4-20                  |           |
| 29   | 900100303   | 4   | Washer, Flat M8                     |           |
| 30   | 900100301   | 4   | Bolt, HHCS M8 x 1.25 x 25           |           |
| 31   | 901003020   | 4   | Nut, Nylock 3/8-16 ZP               |           |
| 32   | 290000804   | 1   | Frame Batt/Air Cleaner Bracket 2012 |           |
|      |             |     |                                     |           |
|      | 201300095   |     | Indicator, Air Cleaner              | Not shown |
|      | 720100025   |     | Cable, Battery Positive             | Not shown |
|      | 720100021   |     | Cable, +12V to Starter              | Not shown |
|      | 720100022   |     | Cable, +12V to External post        | Not shown |
|      | 720100023   |     | Cable, Battery Negative             | Not shown |
|      | 720100024   |     | Cable, Negative to External post    | Not shown |



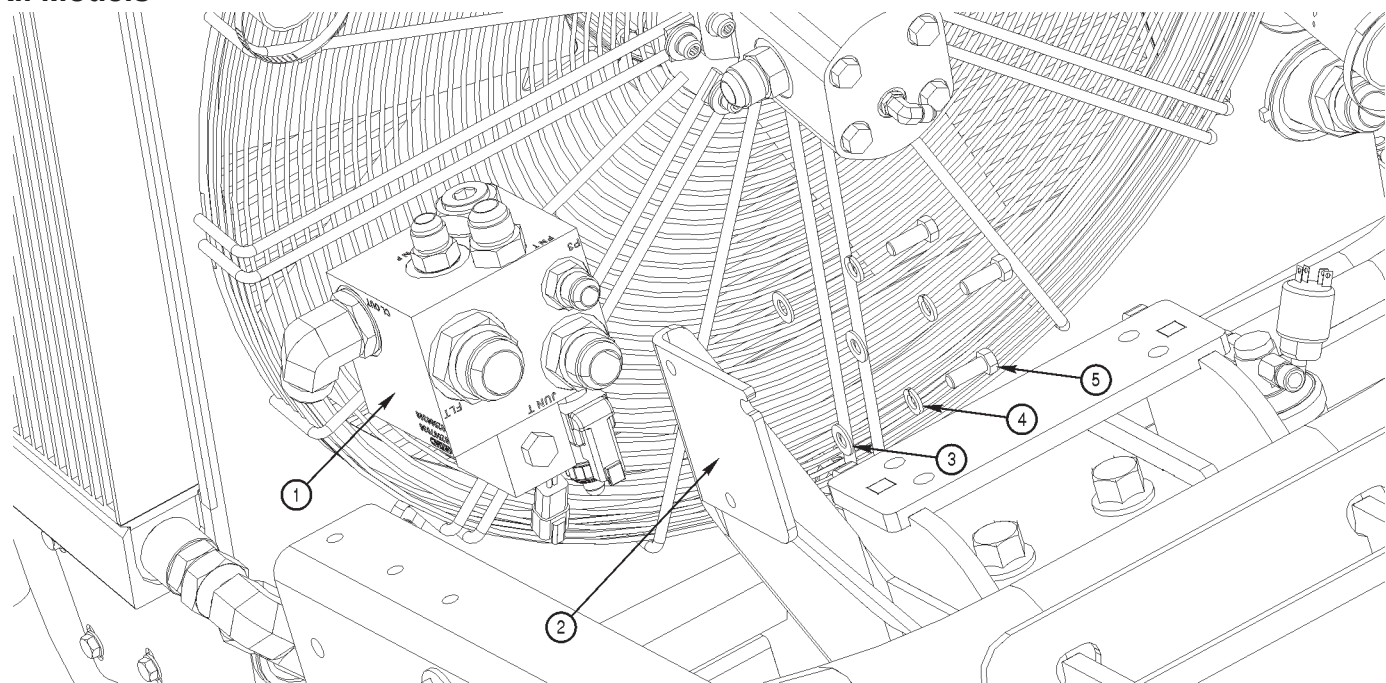


| Item | Part Number | Qty | Description                     | Comments  |
|------|-------------|-----|---------------------------------|-----------|
| 1    | 900003245   | 4   | Bolt, HHCS 1/2-13 x 1 1/2 G5 ZP |           |
| 2    | 901003041   | 4   | Nut, Nylock Jam 1/2-13          |           |
|      | 201300095   |     | Indicator, Air Cleaner          | Not shown |



# Fan Block Manifold Mounting

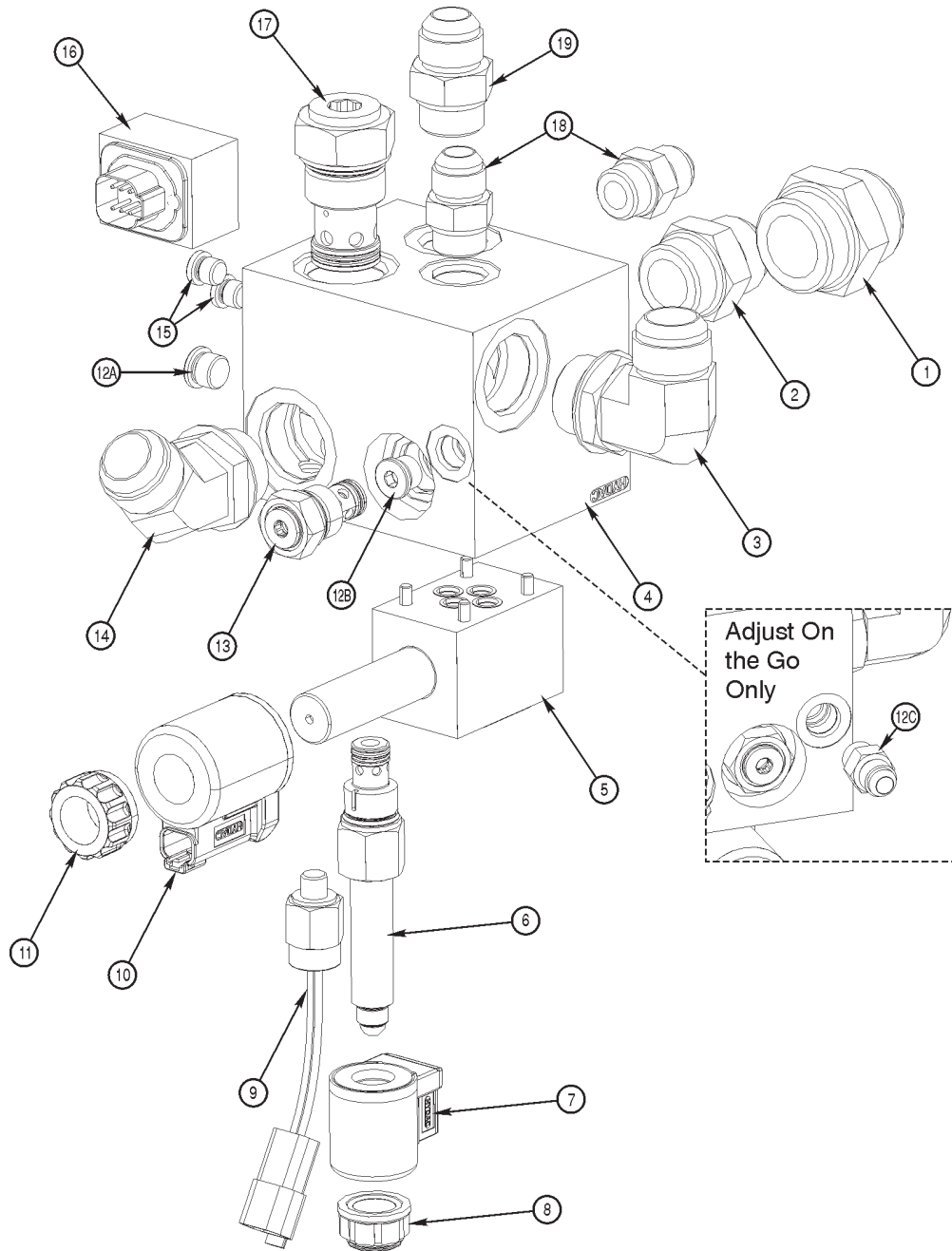
## All Models



| Item | Part Number | Qty | Description                 | Comments  |
|------|-------------|-----|-----------------------------|-----------|
| 1    | 810000120   | 1   | Manifold, Fan Block         |           |
| 2    | 100100117   | 1   | Bracket, Fan Block 2012     |           |
| 3    | 902003045   | 3   | Washer, Flat 3/8 G5 ZP      |           |
| 4    | 902003200   | 3   | Washer, Lock 3/8 G5 ZP      |           |
| 5    | 900002815   | 3   | Bolt, HHCS 3/8-16 x 1 G5 ZP |           |
|      | 700000570   | 1   | Jumper Coil Suppression     | Not shown |
|      |             |     |                             |           |
|      |             |     |                             |           |
|      |             |     |                             |           |

# Fan Block Manifold

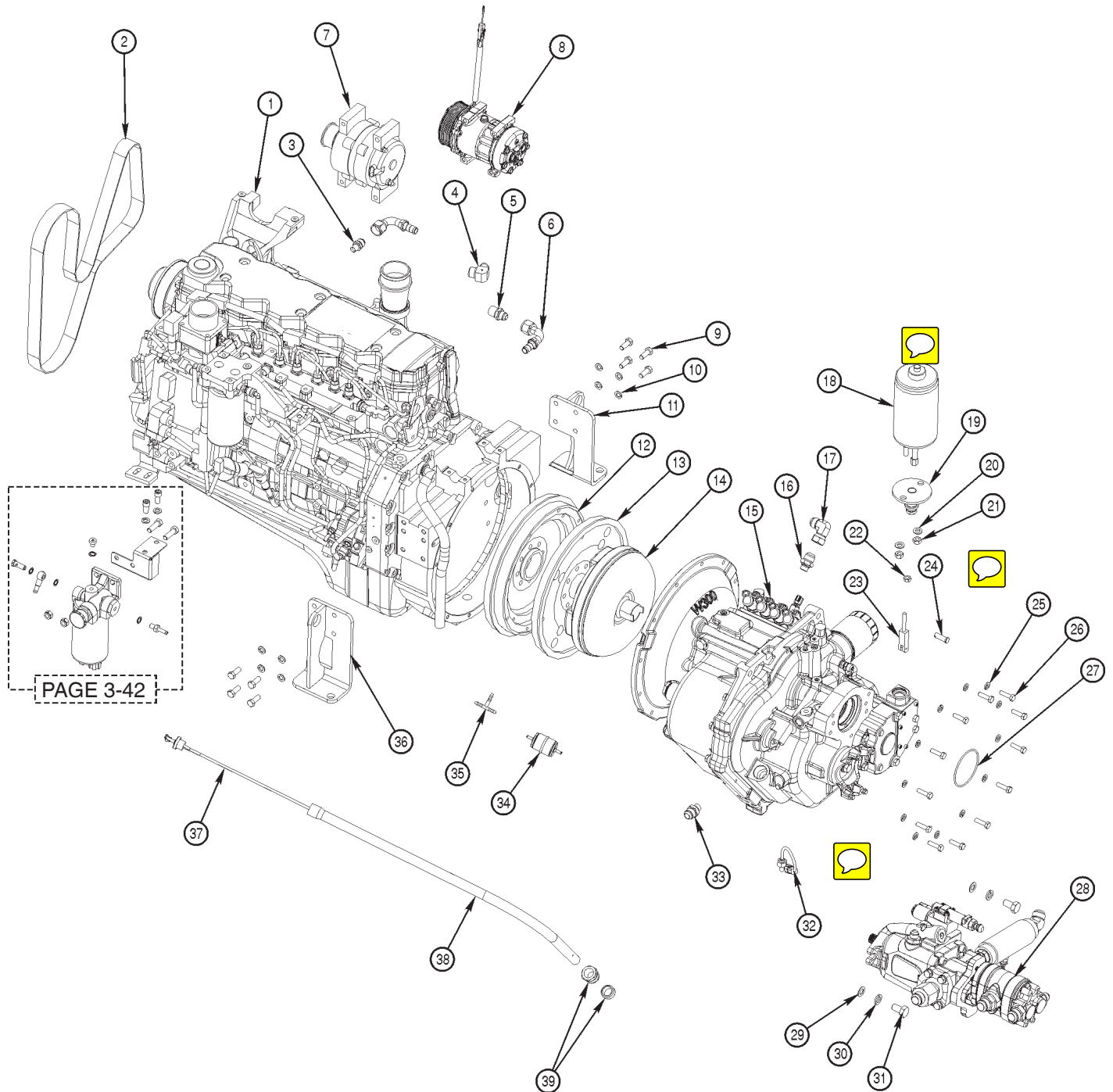
## All Models



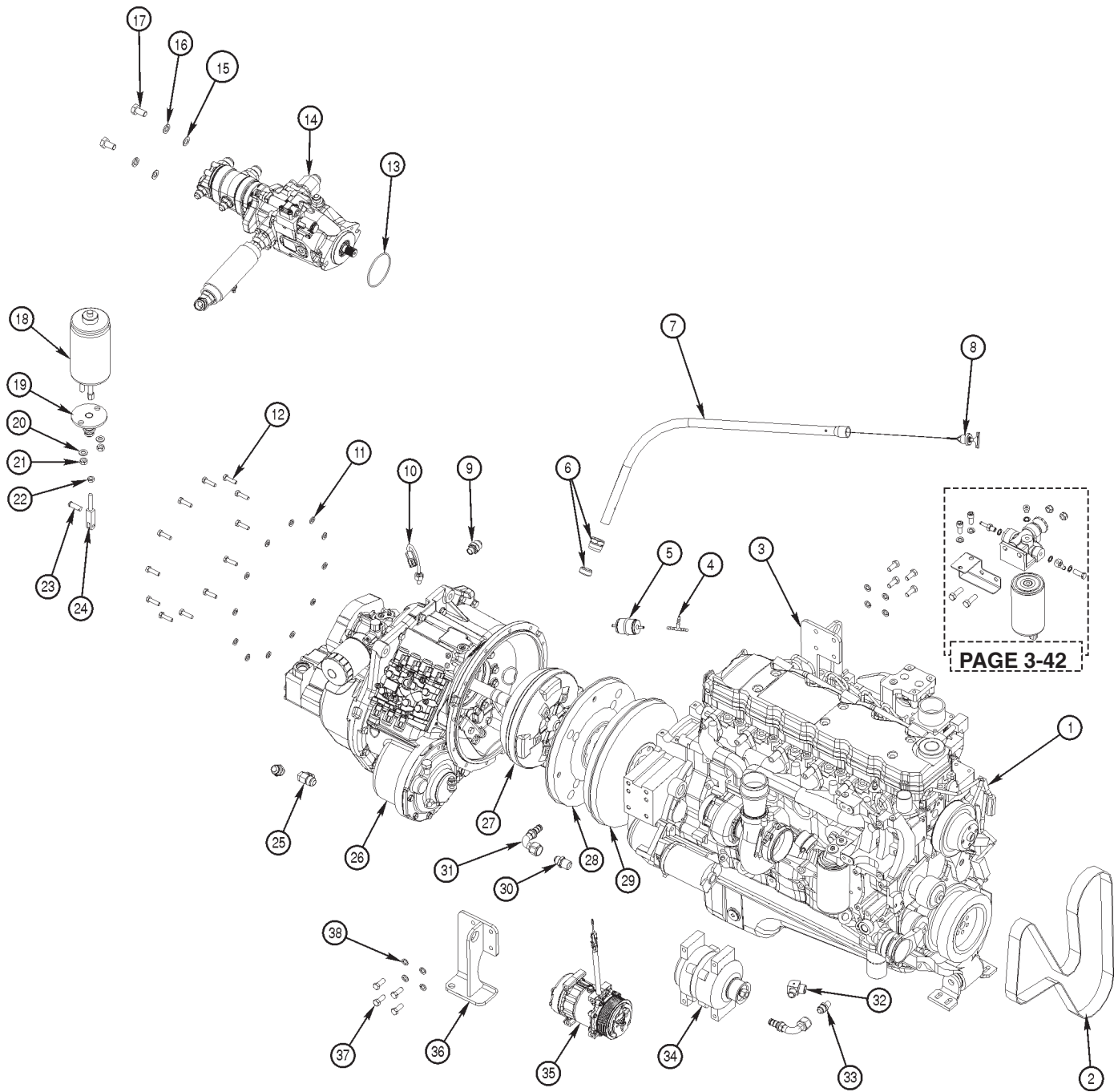
| Item | Part Number | Qty | Description                         | Comments                                       |
|------|-------------|-----|-------------------------------------|------------------------------------------------|
| 1    | 800050280   | 1   | Fitting, 20 FLM x 20 ORM ST         |                                                |
| 2    | 800302410   | 1   | Fitting, 16 FLM x 16 ORM ST         |                                                |
| 3    | 800404265   | 1   | Fitting, 16 FLM x 16 ORM 90         |                                                |
| 4    | 810000120   | 1   | Manifold, Fan Block                 |                                                |
| 5    | 810000084   | 1   | Directional Control Valve 4/2       |                                                |
| 6    | 810000082   | 1   | Proportional Valve, Pressure Relief |                                                |
| 7    | 810000085   | 1   | Coil, 12V Hydac Prop Valve 2.2      |                                                |
| 8    | 810000066   | 1   | Nut, Hydac Coil Size 8 Open         |                                                |
| 9    | 700020112   | 1   | Switch, Temp NC 200F 1/4 ORB        |                                                |
| 10   | 810000086   | 1   | Coil, 12V Hydac Size 10             |                                                |
| 11   | 810000087   | 1   | Nut, Coil Hydac Size 10             |                                                |
| 12A  | 800000690   | 1   | Plug, ST THD OR HEX 6408-6          |                                                |
| 12B  | 800000690   | 1   | Plug, ST THD OR HEX 6408-6          | Use plug if not equipped with Adjust On the Go |
| 12C  | 800303022   | 1   | Fitting, 6 FLM x 6 ORM ST           | Use fitting if equipped with Adjust On the Go  |
| 13   | 810000083   | 1   | Check Valve, 5 PSI, SAE 8 Hydac     |                                                |
| 14   | 800302504   | 1   | Fitting, 16 FLM x 16 ORM 45         |                                                |
| 15   | 800000550   | 2   | Plug, SAE 2 ORB Hollow Hex          |                                                |
| 16   | 750000020   | 1   | Fan Control Module 2012             |                                                |
| 17   | 810000029   | 1   | Check Valve , 100 PSI               | Seal Kit P/N 810000058                         |
| 18   | 800303120   | 1   | Fitting, 12 FLM x 12 ORM ST         |                                                |
| 19   | 800302242   | 2   | Fitting, 10 FLM x 10 ORM ST         |                                                |
|      |             |     |                                     |                                                |
|      | 700000570   | 1   | Jumper Coil Suppression             | Not shown                                      |

# Engine and PowerShift Transmission

AS720



| Item | Part Number | Qty | Description                         | Comments                                                    |
|------|-------------|-----|-------------------------------------|-------------------------------------------------------------|
| 1    | 200000001   | 1   | Engine, Cummins QSB 160HP TIII      | AS720                                                       |
| 2    | 200100034   | 1   | Belt, Serpentine QSB 6.7            |                                                             |
| 3    | 800302219   | 1   | Fitting, 10 FLM X 12 PM             |                                                             |
| 4    | 800302220   | 1   | Fitting, 12 PM X 12 BARB 90         |                                                             |
| 5    | 800302218   | 1   | Fitting, 10 FLM X 8 PM              |                                                             |
| 6    | 800302221   | 2   | Fitting, 10 FLF X 10 HB 90          |                                                             |
| 7    | 201450509   | 1   | Alternator                          |                                                             |
| 8    | 420100006   | 1   | Compressor, A/C                     |                                                             |
| 9    | 900102334   | 8   | Bolt, HHCS M12 x 1.75 x 35          |                                                             |
| 10   | 902003047   | 8   | Washer, Lock M12                    |                                                             |
| 11   | 290000899   | 1   | Mount,Cummins Rear R/H              |                                                             |
| 12   | 200100078   | 1   | Flywheel                            |                                                             |
| 13   | 301010105   | 1   | Flex Plate                          |                                                             |
| 14   | 301010011   | 1   | Torque Converter, PS 764            |                                                             |
| 15   | 350000255   | 1   | Transmission, ITL PS 764            |                                                             |
| 16   | 800302453   | 2   | Fitting, 12 FLM X 8 BSPM            |                                                             |
| 17   | 800403625   | 1   | Fitting, 12 FLM X 12 FLF 90         |                                                             |
| 18   | 350000351   | 1   | Parking Brake Can                   | Spring Applied - Hydraulic Release                          |
| 19   | 390000514   | 1   | Bracket, Sahr Can                   |                                                             |
| 20   | 902003047   | 2   | Washer, Lock M12                    |                                                             |
| 21   | 901100466   | 2   | Nut, M12 x 1.75                     |                                                             |
| 22   | 901100460   | 1   | Nut, Jam M10 x 1.50                 |                                                             |
| 23   | 390000515   | 1   | Clevis, Parking Brake Can           |                                                             |
| 24   | 900109000   | 1   | Bolt, Shoulder, SHSB 5/16 X 3/4     |                                                             |
| 25   | 902100100   | 12  | Washer, Lock M10                    |                                                             |
| 26   | 900100003   | 12  | Bolt, HHCS M10 x 1.50 x 40          |                                                             |
| 27   | 350000315   | 1   | O-Ring                              |                                                             |
| 28   | 860000035   | 1   | Pump, Assembly PS764                | Piston Pump P/N 860000029 Tandem Gear<br>Pump P/N 860000037 |
| 29   | 901100467   | 2   | Washer, Flat M12                    |                                                             |
| 30   | 902003047   | 2   | Washer, Lock M12                    |                                                             |
| 31   | 900102334   | 2   | Bolt, HHCS M12 x 1.75 x 35          |                                                             |
| 32   | 700020114   | 1   | Switch, Temp NO 230F 1/4 BSPP       |                                                             |
| 33   | 800302453   | 2   | Fitting, 12 FLM X 8 BSPM            |                                                             |
| 34   | 201450280   | 1   | Filter, In line                     | Used on Trans Vent                                          |
| 35   | 290000002   | 1   | Fitting, Tee 1/4" HB                |                                                             |
| 36   | 290000898   | 1   | Mount,Cummins Rear L/H              |                                                             |
| 37   | 300000023   | 1   | Dipstick, Transmission PS 764       |                                                             |
| 38   | 300000014   | 1   | Tube, Dipstick                      |                                                             |
| 39   | 300000012   | 1   | Lock Nut and Seal for dipstick Tube |                                                             |
|      |             |     |                                     |                                                             |
|      | 290000920   | 1   | Water Temperature Sender            | Not shown                                                   |

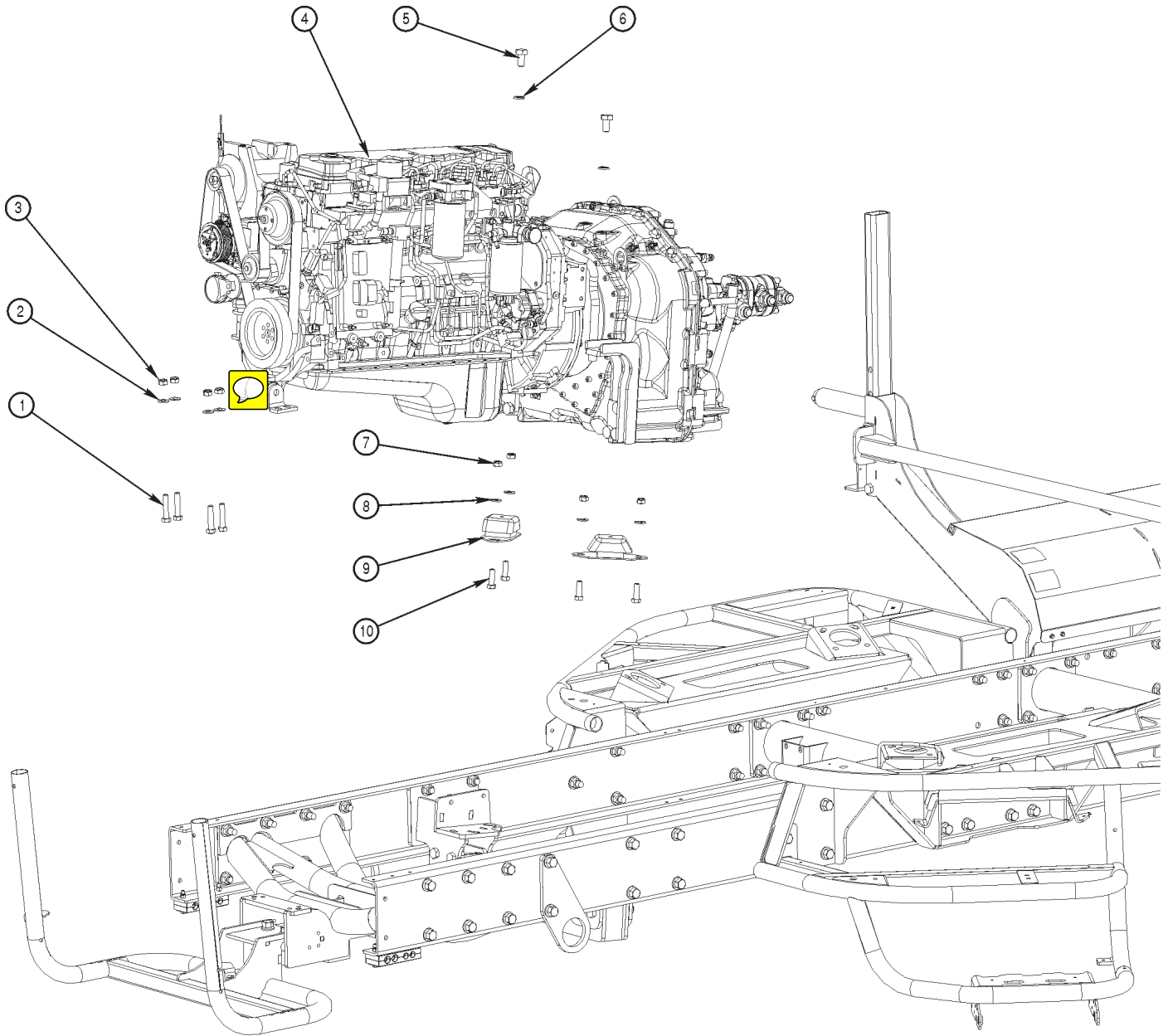


| Item | Part Number | Qty | Description                         | Comments                                                 |
|------|-------------|-----|-------------------------------------|----------------------------------------------------------|
| 1    | 200000001   | 1   | Engine, Cummins QSB 160HP TIII      | AS720                                                    |
| 2    | 200100034   | 1   | Belt, Serpentine QSB 6.7            |                                                          |
| 3    | 290000898   | 1   | Mount,Cummins Rear L/H              |                                                          |
| 4    | 290000002   | 1   | Fitting, Tee 1/4" HB                |                                                          |
| 5    | 201450280   | 1   | Filter, In line                     | Used on Trans Vent                                       |
| 6    | 300000012   | 1   | Lock Nut and Seal for dipstick Tube |                                                          |
| 7    | 300000014   | 1   | Tube, Dipstick                      |                                                          |
| 8    | 300000023   | 1   | Dipstick, Transmission PS 764       |                                                          |
| 9    | 800302453   | 2   | Fitting, 12 FLM X 8 BSPM            |                                                          |
| 10   | 700020114   | 1   | Switch, Temp NO 230F 1/4 BSPP       |                                                          |
| 11   | 902100100   | 12  | Washer, Lock M10                    |                                                          |
| 12   | 900100003   | 12  | Bolt, HHCS M10 x 1.50 x 40          |                                                          |
| 13   | 350000315   | 1   | O-Ring                              |                                                          |
| 14   | 860000035   | 1   | Pump, Assembly PS764                | Piston Pump P/N 860000029 Tandem Gear Pump P/N 860000037 |
| 15   | 901100467   | 2   | Washer, Flat M12                    |                                                          |
| 16   | 902003047   | 2   | Washer, Lock M12                    |                                                          |
| 17   | 900102334   | 2   | Bolt, HHCS M12 x 1.75 x 35          |                                                          |
| 18   | 350000351   | 1   | Parking Brake Can                   | Spring Applied - Hydraulic Release                       |
| 19   | 390000514   | 1   | Bracket, Sahr Can                   |                                                          |
| 20   | 902003047   | 2   | Washer, Lock M12                    |                                                          |
| 21   | 901100466   | 2   | Nut, M12 x 1.75                     |                                                          |
| 22   | 901100460   | 1   | Nut, Jam M10 x 1.50                 |                                                          |
| 23   | 900109000   | 1   | Bolt, Shoulder, SHSB 5/16 X 3/4     |                                                          |
| 24   | 390000515   | 1   | Clevis, Parking Brake Can           |                                                          |
| 25   | 800403625   | 1   | Fitting, 12 FLM X 12 FLF 90         |                                                          |
| 26   | 350000255   | 1   | Transmission, ITL PS 764            |                                                          |
| 27   | 301010011   | 1   | Torque Converter, PS 764            |                                                          |
| 28   | 301010105   | 1   | Flex Plate                          |                                                          |
| 29   | 200100078   | 1   | Flywheel                            |                                                          |
| 30   | 800302218   | 1   | Fitting, 10 FLM X 8 PM              |                                                          |
| 31   | 800302221   | 2   | Fitting, 10 FLF X 10 HB 90          |                                                          |
| 32   | 800302220   | 1   | Fitting, 12 PM X 12 BARB 90         |                                                          |
| 33   | 800302219   | 1   | Fitting, 10 FLM X 12 PM             |                                                          |
| 34   | 201450509   | 1   | Alternator                          |                                                          |
| 35   | 420100006   | 1   | Compressor, A/C                     |                                                          |
| 36   | 290000899   | 1   | Mount,Cummins Rear R/H              |                                                          |
| 37   | 900102334   | 8   | Bolt, HHCS M12 x 1.75 x 35          |                                                          |
| 38   | 902003047   | 8   | Washer, Lock M12                    |                                                          |



# Engine Mounting

All Models Except AS1025

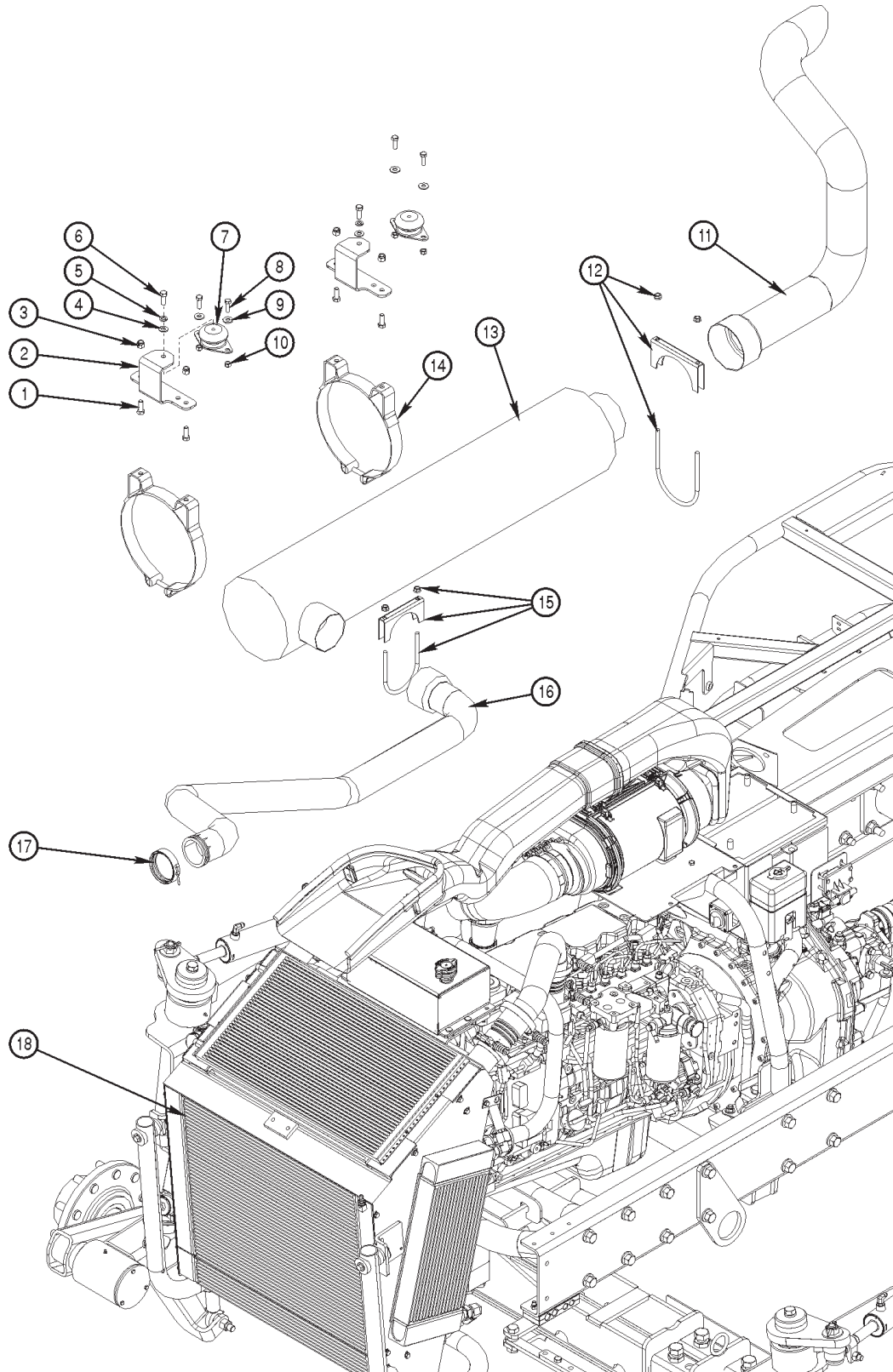




| Item | Part Number | Qty | Description                         | Comments   |
|------|-------------|-----|-------------------------------------|------------|
| 1    | 900102332   | 4   | Bolt, M12 x 1.75 x 45               |            |
| 2    | 901100467   | 4   | Washer, Flat M12                    |            |
| 3    | 901100466   | 4   | Nut, Nylock M12 x 1.75 G10.9        |            |
| 4A   | 200000001   | 1   | Engine, Cummins QSB 6.7 160HP T III | AS720      |
| 4B   | 200000002   | 1   | Engine, Cummins QSB 6.7 173HP T III | AS1020     |
| 4C   | 200000003   | 1   | Engine, Cummins QSB 6.7 215HP T III | AS1220     |
| 5    | 900100801   | 2   | Bolt, HHCS M16 x 2.0 x 50           |            |
| 6    | 902003046   | 2   | Washer, Lock M16                    |            |
| 7    | 901003040   | 4   | Nut, Nylock 1/2-13 ZP               |            |
| 8    | 902003055   | 4   | Washer, Flat 1/2"                   |            |
| 9    | 290001000   | 2   | Mount, Vibration Control            |            |
| 10   | 900003245   | 4   | Bolt, HHCS 1/2-13 x 1 1/2 G5 ZP     |            |
|      | 290000920   |     | Water Temperature Sender            | Not shown. |

# Engine Exhaust Piping

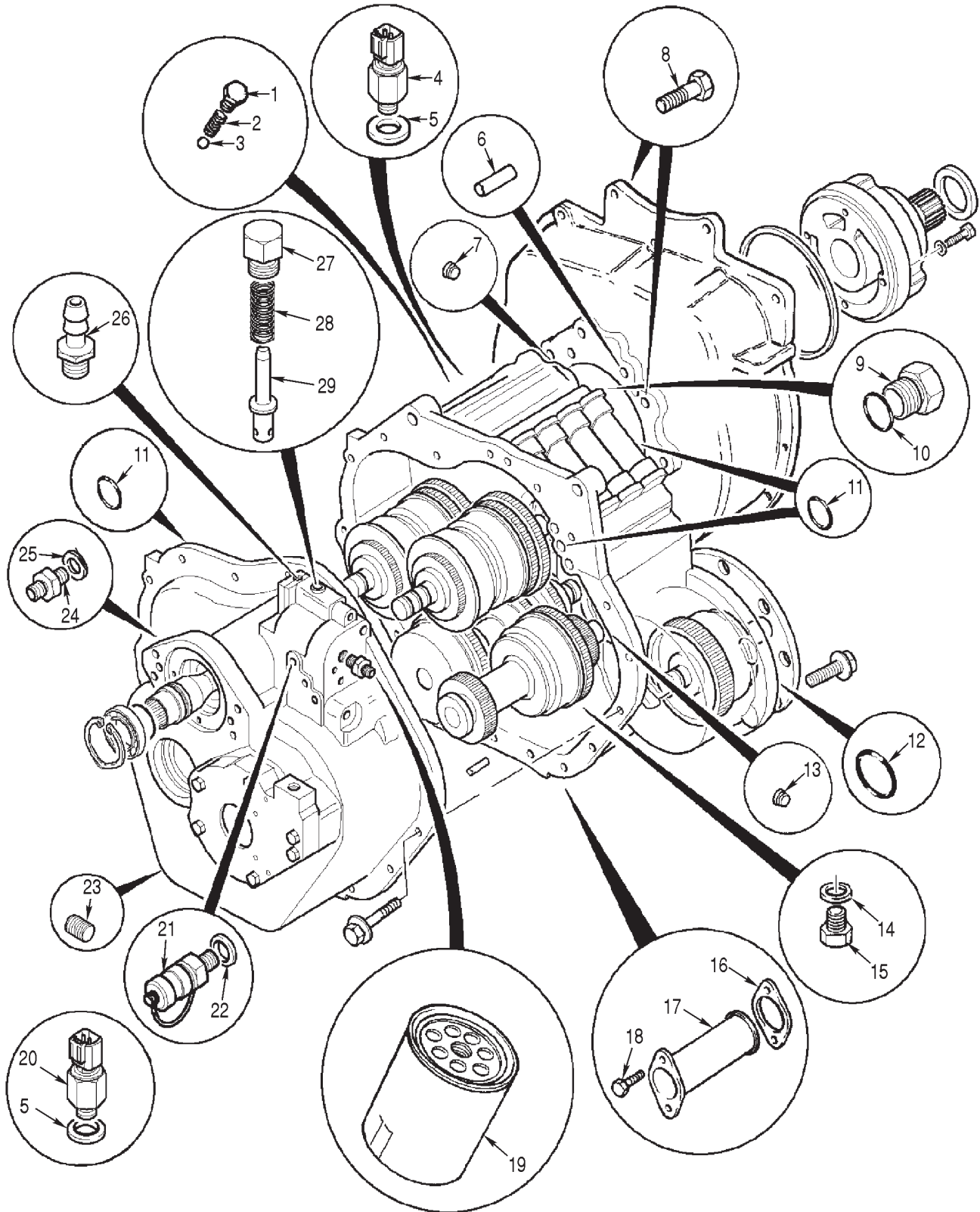
All Models Except AS1025



| Item | Part Number | Qty | Description                       | Comments |
|------|-------------|-----|-----------------------------------|----------|
| 1    | 900002815   | 4   | Bolt, HHCS 3/8-16 x 1 G5 ZP       |          |
| 2    | 201100025   | 2   | Bracket, Exhaust hanger           |          |
| 3    | 901003010   | 4   | Nut, Nylock 5/16"                 |          |
| 4    | 902003200   | 2   | Washer, Flat 3/8"                 |          |
| 5    | 900002806   | 2   | Washer, Lock 3/8"                 |          |
| 6    | 900002815   | 2   | Bolt, HHCS 3/8-16 x 1 G5 ZP       |          |
| 7    | 290001020   | 2   | Mount, Vibration, Control Exhaust |          |
| 8    | 900002610   | 4   | Bolt, HHCS 5/16-18 x 1 G5 ZP      |          |
| 9    | 902003195   | 8   | Washer, Flat 5/16"                |          |
| 10   | 901003010   | 4   | Nut, Nylock 5/16"                 |          |
| 11   | 201200151   | 1   | Tube, Exhaust Rear                |          |
| 12   | 290000757   | 1   | Clamp, 5" Exhaust U-Bolt          |          |
| 13   | 201100017   | 1   | Muffler, Donaldson                |          |
| 14   | 201100021   | 2   | Clamp, Muffler 9.00"              |          |
| 15   | 290000753   | 1   | Clamp, 4" Exhaust U-Bolt          |          |
| 16   | 201200150   | 1   | Tube, Exhaust Front               |          |
| 17   | 290000755   | 1   | Clamp 3.00 V-band Exhaust         |          |
| 18   | 201200183   | 1   | Cooling Package, Hydac            |          |

# PowerShift Transmission

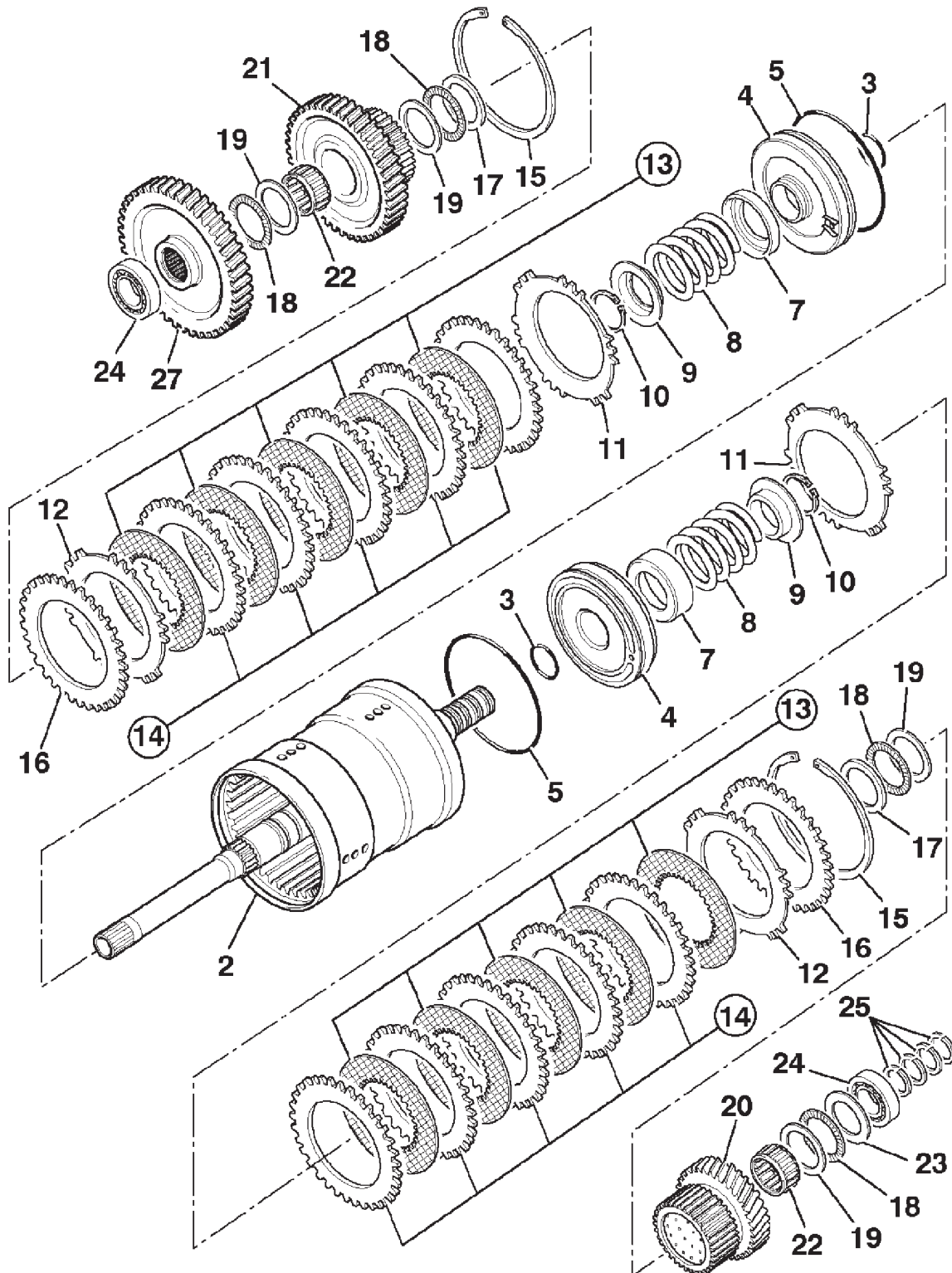
AS720



| Item | Part Number | Qty | Description              | Comments      |
|------|-------------|-----|--------------------------|---------------|
| 1    | 990000069   | 1   | Plug, Trans Low Pressure |               |
| 2    | 990000066   | 1   | Spring                   |               |
| 3    | 300000750   | 1   | Poppet                   |               |
| 4    | 300000757   | 1   | Switch, Oil Pressure     |               |
| 5    | 320000001   | 3   | Seal, Bonded             |               |
| 6    | 300000310   | 6   | Dowel Pin, Case          |               |
| 7    | 300500012   | 4   | Plug, 3/8" Tapered       |               |
| 8    | 300000755   | A/R | Bolt, M10 x 55 long      |               |
| 9    | 300000749   | 1   | Plug, PS764              |               |
| 10   | 300500019   | 1   | Washer, Seal             |               |
| 11   | 300000754   | 1   | O-ring                   |               |
| 12   | 300000759   | 1   | O-ring                   |               |
| 13   | 300000485   | 16  | Plug, 1/8" Tapered       |               |
| 14   | 301200240   | 2   | Seal, Bonded 3/4" BSP    |               |
| 15   | 301200235   | 2   | Plug, Filler             |               |
| 16   | 300000430   | 1   | Gasket, Suction Strainer |               |
| 17   | 300000095   | 1   | Strainer, Suction        |               |
| 18   | 300000392   | 2   | Screw, M8 x 16           |               |
| 19   | 300000101   | 1   | Filter, Transmission     |               |
| 20   | 300000760   | 1   | Switch, Oil Temperature  | 1/4" BSP      |
| 21   | 300000405   | 1   | Adapter, Pressure Test   | 1/4" BSP male |
| 22   | 300500019   | 1   | Washer, Seal             |               |
| 23   | 300000756   | 2   | Plug, Taper 1/4" BSP     |               |
| 24   | 300000060   | 2   | Adapter, 5/8" x 1/2" MM  |               |
| 25   | 300000055   | 4   | Seal, Bonded 1/2" BSP    |               |
| 26   | 300000750   | 1   | Adapter                  |               |
| 27   | 300000715   | 1   | Plug, PMV                |               |
| 28   | 300000714   | 1   | Spring, Solenoid PMV     |               |
| 29   | 300000713   | 1   | Spool, PMV               |               |

# PowerShift Clutch

AS720

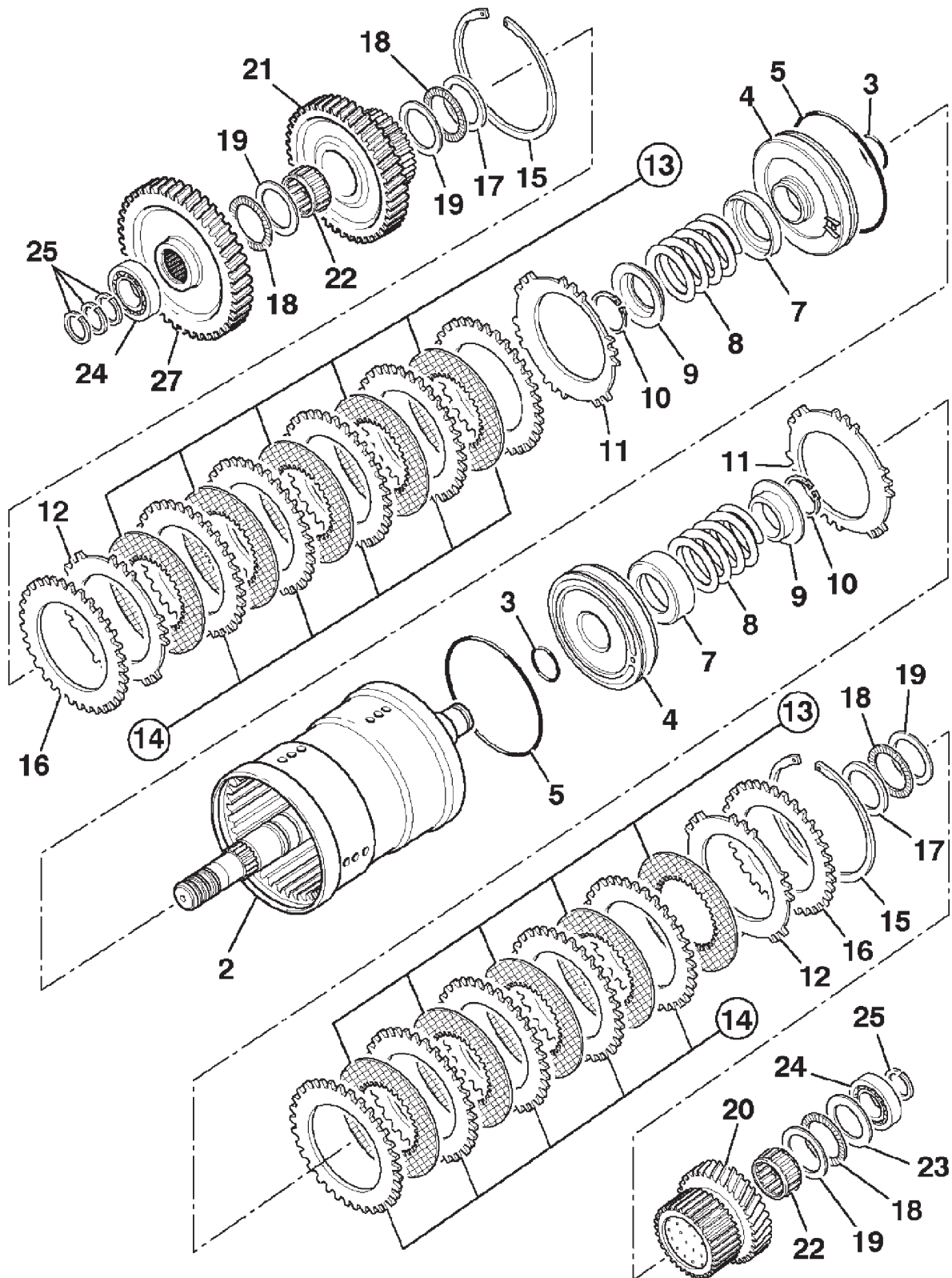


| Item | Part Number | Qty | Description                   | Comments |
|------|-------------|-----|-------------------------------|----------|
| 1    | 300000742   | 1   | Clutch, Input Assembly        |          |
| 2    | 300000761   | 1   | Housing, Input clutch         |          |
| 3    | 300000664   | 2   | O-ring                        |          |
| 4    | 300000762   | 2   | Piston                        |          |
| 5    | 300000630   | 2   | O-ring                        |          |
| 7    | 300000631   | 2   | Plate, Oil Baffle             |          |
| 8    | 300500010   | 2   | Spring                        |          |
| 9    | 300000662   | 2   | Washer, Spring Retainer       |          |
| 10   | 300000663   | 2   | Circlip, External             |          |
| 11   | 300000632   | 2   | Disc, Spring Spline           |          |
| 12   | 300000633   | A/R | Plate, Pressure Clutch 6.0 mm |          |
| 12A  | 300000634   | A/R | Plate, Pressure Clutch 6.5 mm |          |
| 13   | 300000635   | 10  | Plate, Friction Clutch        |          |
| 14   | 300000636   | 10  | Plate, Counter Clutch         |          |
| 15   | 300000637   | 2   | Circlip, Internal             |          |
| 16   | 300000638   | A/R | Plate, Shim clutch 1.2 mm     |          |
| 17   | 300000659   | 2   | Washer, Thrust                |          |
| 18   | 300000660   | 4   | Bearing, Needle Thrust        |          |
| 19   | 300000666   | 4   | Washer, Thrust bevelled       |          |
| 20   | 300000763   | 1   | Housing, Input Gear 28 tooth  |          |
| 21   | 300000764   | 1   | Housing, Input Gear 41 tooth  |          |
| 22   | 300000765   | 2   | Bearing, Needle Roller        |          |
| 23   | 300000658   | 2   | Washer, Thrust                |          |
| 24   | 300000653   | 2   | Bearing, 50 x 80 x 20         |          |
| 25   | 300000665   | 4   | Seal, Ring                    |          |
| 27   | 300000766   | 1   | Gear, Input 44 tooth          |          |



# PowerShift Reverse Clutch

AS720

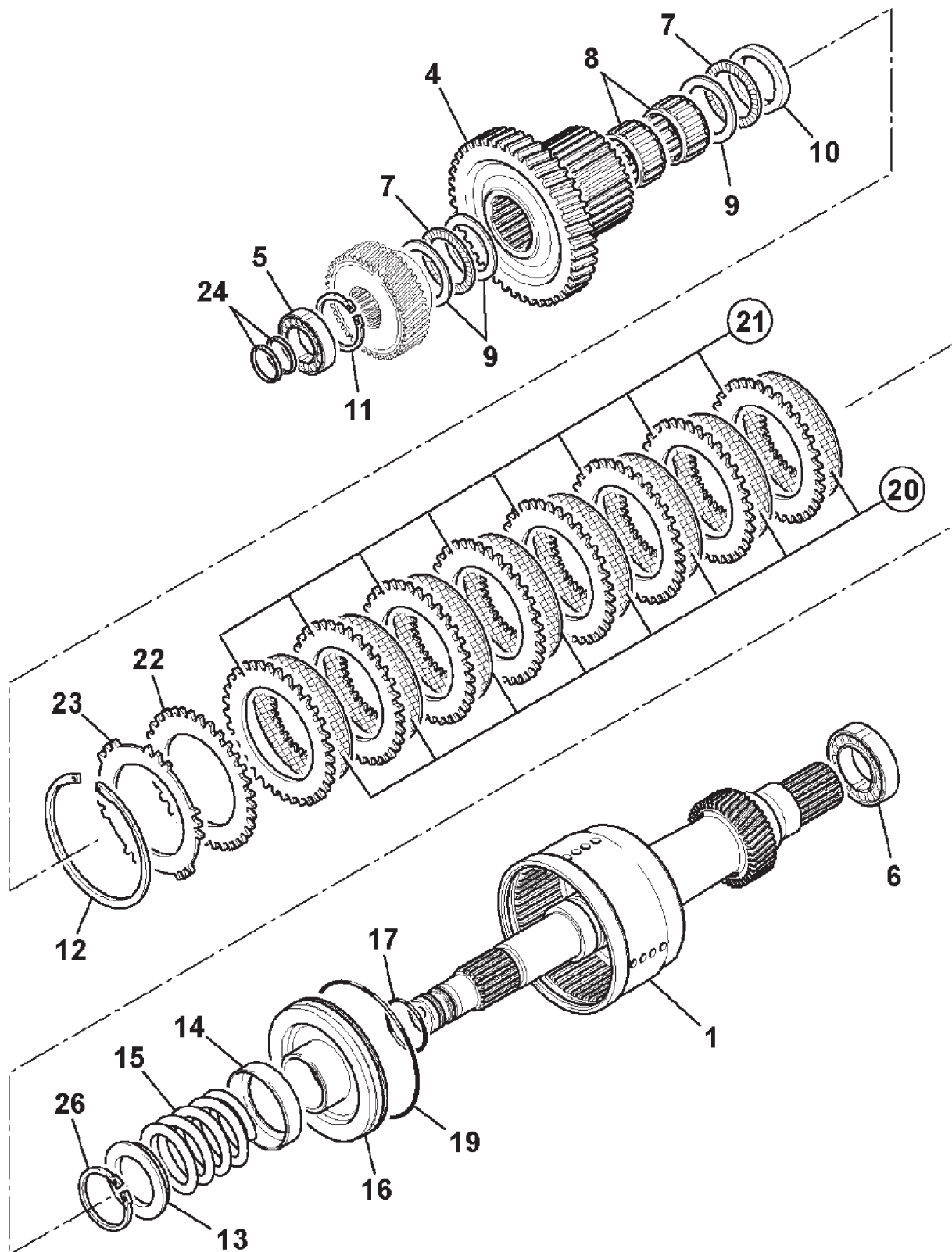




| Item | Part Number | Qty | Description                      | Comments |
|------|-------------|-----|----------------------------------|----------|
| 1    | 300000743   | 1   | Clutch, Reverse Assembly         |          |
| 2    | 300000628   | 1   | Housing, Reverser Clutch         |          |
| 3    | 300000535   | 2   | O-ring                           |          |
| 4    | 300000629   | 2   | Piston, Clutch                   |          |
| 5    | 300000630   | 2   | O-ring                           |          |
| 7    | 300000631   | 2   | Plate, Oil Baffle                |          |
| 8    | 300500010   | 2   | Spring                           |          |
| 9    | 300500011   | 2   | Spring, Retaining                |          |
| 10   | 300500013   | 2   | Circlip                          |          |
| 11   | 300000632   | 2   | Disc, Spring Spline              |          |
| 12   | 300000633   | A/R | Plate, Pressure Clutch 6.0 mm    |          |
| 12A  | 300000634   | A/R | Plate, Pressure Clutch 6.5 mm    |          |
| 13   | 300000635   | 10  | Plate, Friction Clutch           |          |
| 14   | 300000636   | 10  | Plate, Counter Clutch            |          |
| 15   | 300000637   | 2   | Circlip, Internal                |          |
| 16   | 300000638   | A/R | Plate, Shim Clutch 1.2 mm        |          |
| 17   | 300000245   | 2   | Washer, Thrust                   |          |
| 18   | 300500031   | 4   | Bearing, Thrust                  |          |
| 19   | 300500032   | 4   | Washer, Thrust                   |          |
| 20   | 300000639   | 1   | Housing, Plate Carrier 28 tooth  |          |
| 21   | 300000640   | 1   | Housing, Plate Carrier 41 tooth  |          |
| 22   | 300000605   | 2   | Bearing                          |          |
| 23   | 300000641   | 1   | Washer, Thrust                   |          |
| 24   | 300000643   | 2   | Bearing, Taper Roll 35 x 65 x 18 |          |
| 25   | 300000545   | 4   | Seal, Ring                       |          |
| 27   | 300000642   | 1   | Gear, Reverser 44 tooth          |          |

# PowerShift Layshaft

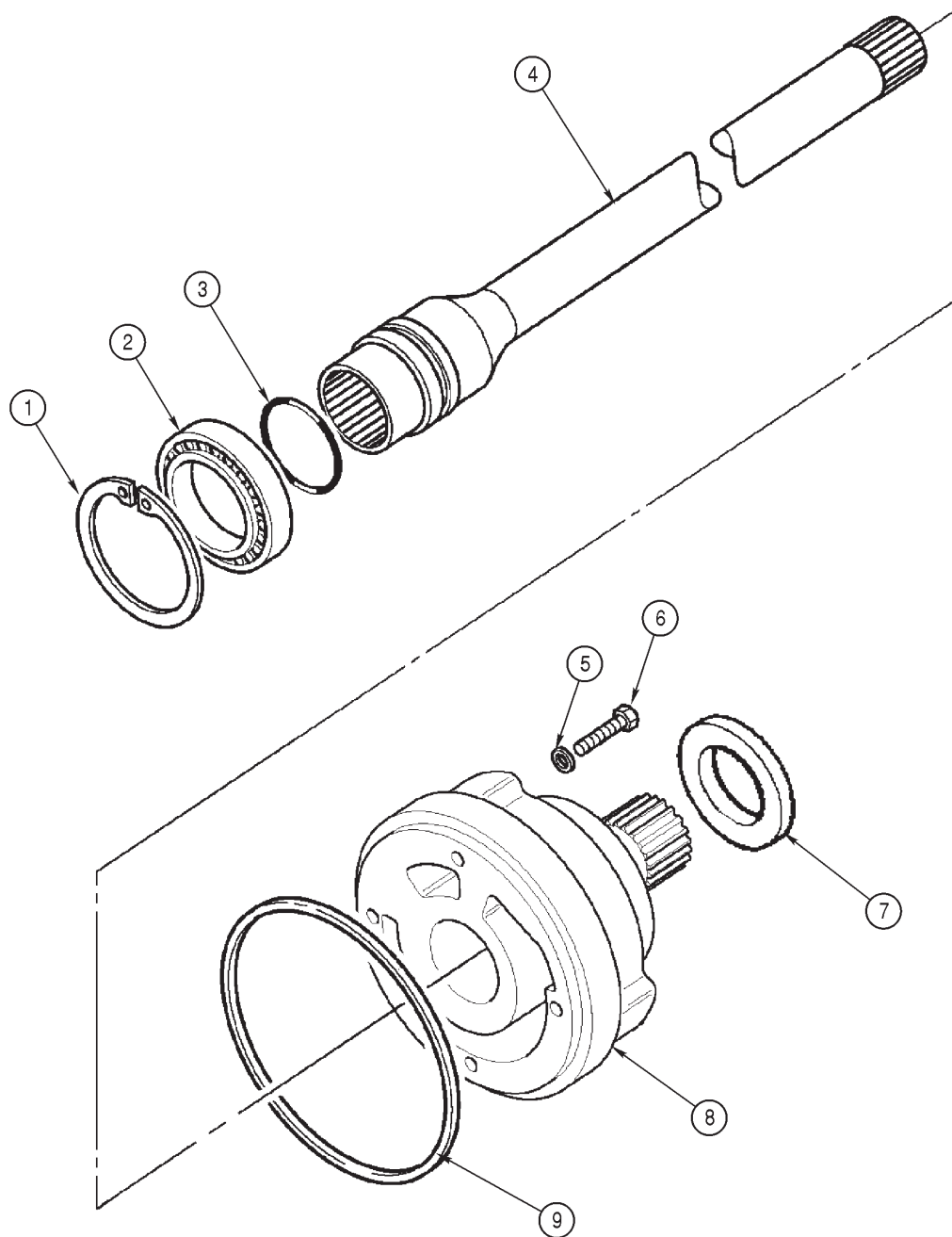
AS720



| Item | Part Number | Qty | Description                    | Comments |
|------|-------------|-----|--------------------------------|----------|
|      | 300000745   | 1   | Clutch, Layshaft               |          |
| 1    | 300000776   | 1   | Housing, Layshaft              |          |
| 4    | 300000777   | 1   | Gear, and Plate Carrier        |          |
| 5    | 300000672   | 1   | Bearing, 40 x 80 x 24.75       |          |
| 6    | 300000685   | 1   | Bearing, 50 x 84 x 22          |          |
| 7    | 300500060   | 2   | Bearing, Needle 70 x 50 x 3 mm |          |
| 8    | 300000660   | 1   | Bearing, Needle Roller         |          |
| 9    | 300000686   | 4   | Washer, Thrust bevelled        |          |
| 10   | 300000687   | 1   | Kit, Thrust Washer             |          |
| 11   | 300000688   | 1   | Circlip, External              |          |
| 12   | 300000637   | 1   | Circlip, Internal              |          |
| 13   | 300000662   | 1   | Washer, Spring Retainer        |          |
| 14   | 300000631   | 1   | Plate, Oil Baffle              |          |
| 15   | 300500010   | 1   | Spring                         |          |
| 16   | 300000762   | 1   | Piston                         |          |
| 17   | 300000630   | 1   | O-ring                         |          |
| 19   | 300000664   | 1   | O-ring                         |          |
| 20   | 300000635   | 8   | Plate, Friction Clutch         |          |
| 21   | 300000636   | 8   | Plate, Counter Clutch          |          |
| 22   | 300000633   | A/R | Plate, Pressure Clutch 6.0 mm  |          |
| 23   | 300000638   | A/R | Plate, Shim Clutch 1.2 mm      |          |
| 24   | 300000545   | 2   | Seal, Ring                     |          |
| 26   | 300000663   | 1   | Circlip, External              |          |

# PowerShift Pump Drive Shaft

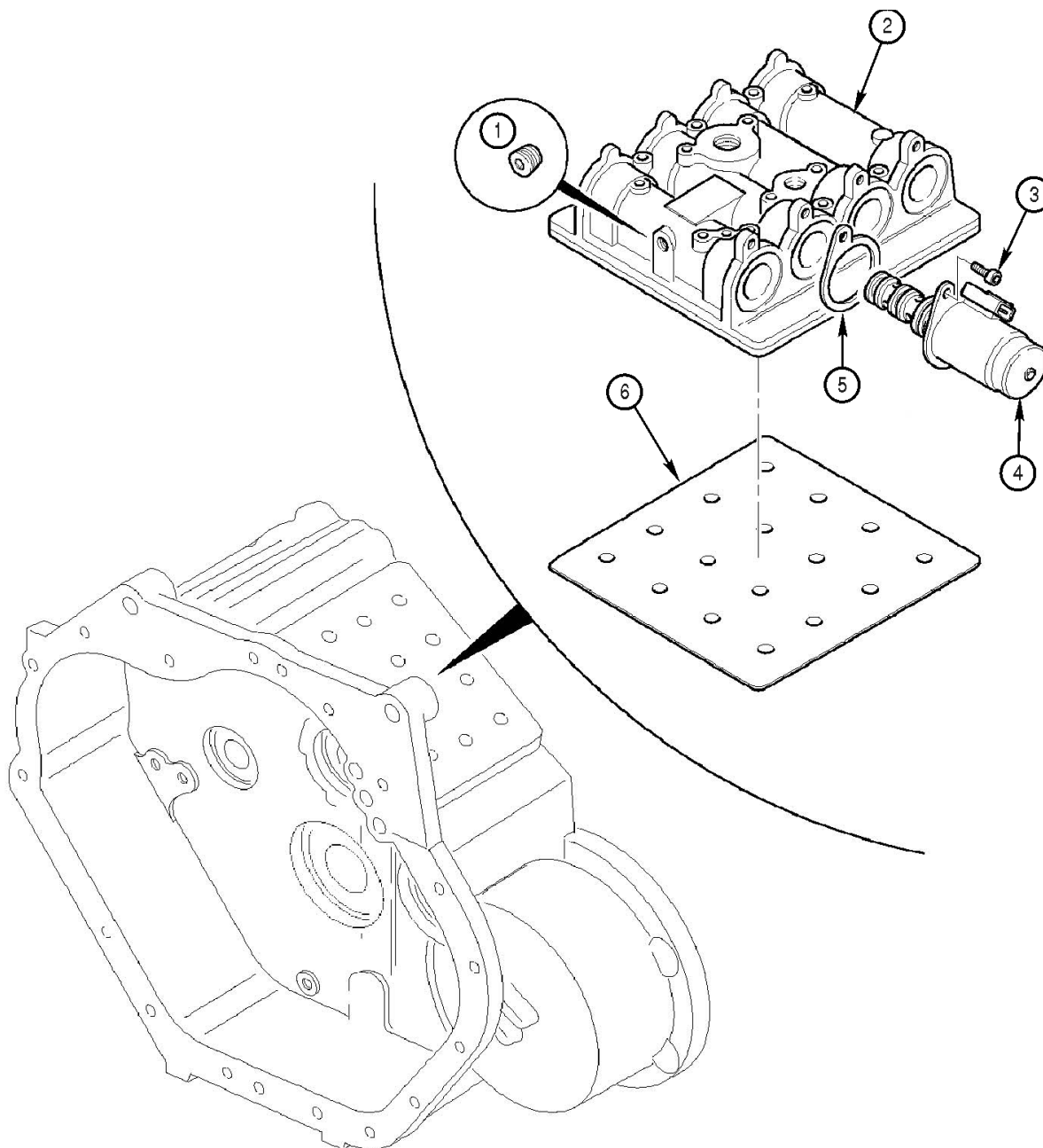
AS720



| Item | Part Number | Qty | Description                     | Comments |
|------|-------------|-----|---------------------------------|----------|
| 1    | 300000711   | 1   | Circlip                         |          |
| 2    | 300000710   | 1   | Bearing, Ball                   |          |
| 3    | 300000665   | 1   | Seal, Ring                      |          |
| 4    | 300000709   | 1   | Shaft, Pump Drive 588.6 mm long |          |
| 5    | 300000396   | 4   | Washer, copper                  |          |
| 6    | 300500039   | 4   | Bolt, M8 x 45                   |          |
| 7    | 320000002   | 1   | Seal, Transmission Pump         |          |
| 8    | 320000003   | 1   | Pump Assembly, Transmission     | Oil pump |
| 9    | 300000435   | 1   | Seal, Rear                      |          |

# PowerShift Valve Body Assembly

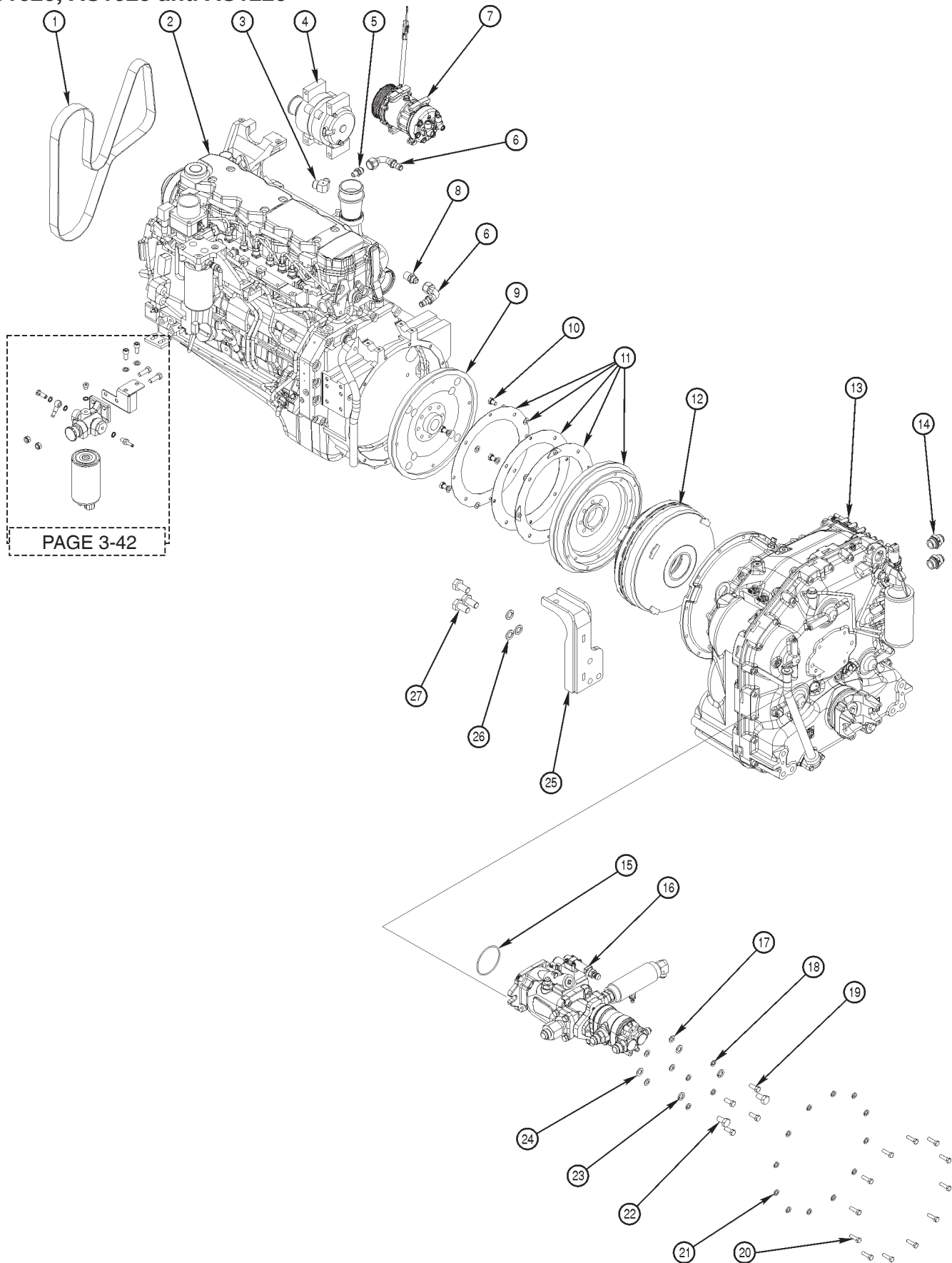
AS720



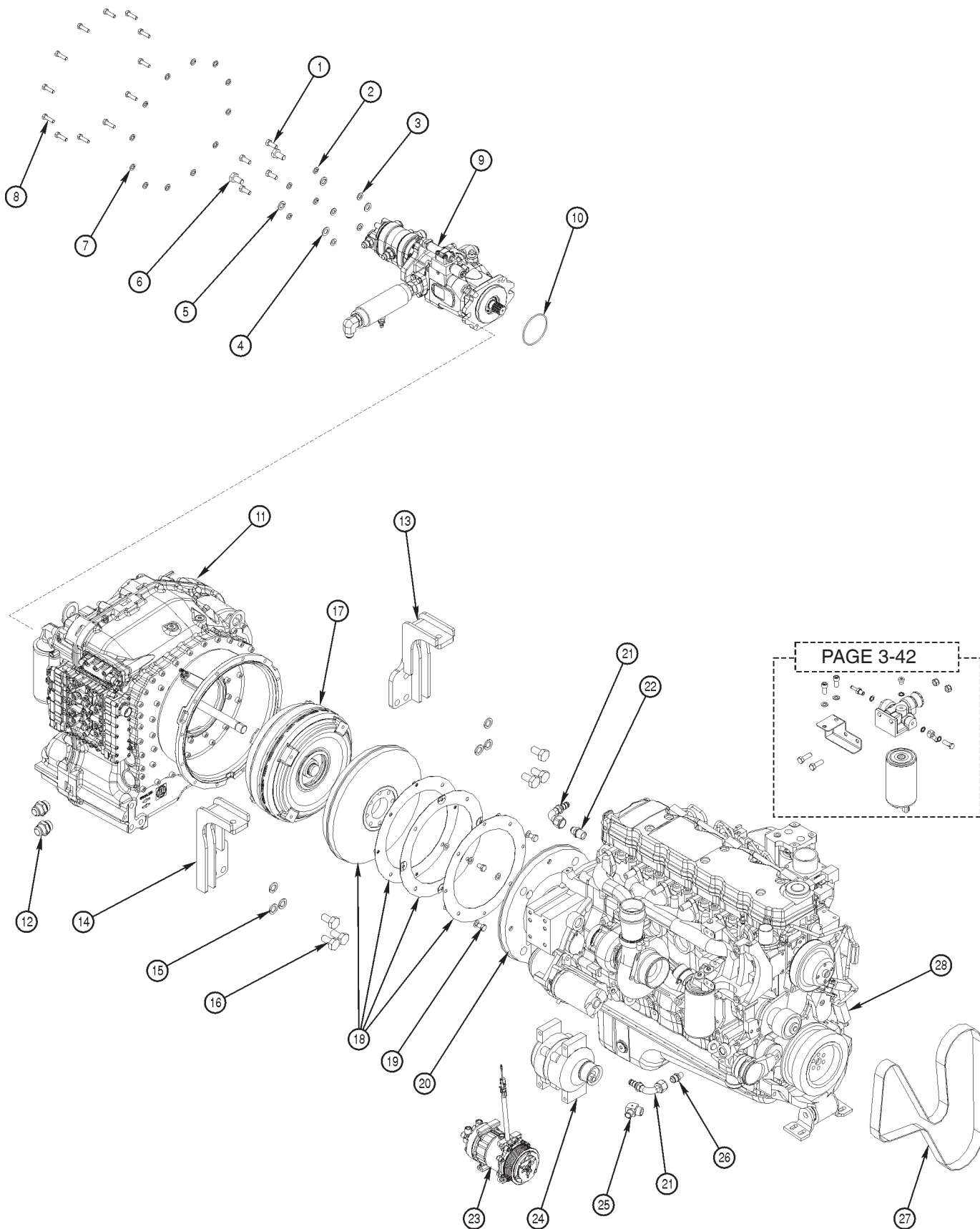
| Item | Part Number. | Qty | Description              | Comments                                                                     |
|------|--------------|-----|--------------------------|------------------------------------------------------------------------------|
| 1    | 300500012    | 1   | Plug, 3/8" Tapered       |                                                                              |
| 2    | 300000805    | 1   | Valve Assembly, 4 Speed  | Newer style valve block.                                                     |
| 3    | 300000816    | 16  | Capscrew, M5 x 10        | Used with newer style valve block.                                           |
| 4    | 300000815    | 7   | Valve, Solenoid Assembly | Used with newer style valve block.                                           |
| 5    | 300000768    | 7   | Plate, Hold down         |                                                                              |
| 6    | 300000811    | 1   | Gasket, Valve Block      | Used with newer style valve block. Can be used with both style valve blocks. |

# Engine and ZF Transmission

AS1020, AS1025 and AS1220



| Item | Part Number | Qty | Description                                   | Comments                                                                        |
|------|-------------|-----|-----------------------------------------------|---------------------------------------------------------------------------------|
| 1    | 200100034   | 1   | Belt, Serpentine QSB 6.7                      |                                                                                 |
| 2A   | 200000002   | 1   | Engine, Cummins QSB 173HP T III               | AS1020                                                                          |
| 2B   | 200000003   | 1   | Engine, Cummins QSB 215HP T III               | AS1220                                                                          |
| 3    | 800302220   | 1   | Fitting, 12 PM x 12 BARB 90                   |                                                                                 |
| 4    | 201450509   | 1   | Alternator                                    |                                                                                 |
| 5    | 800302218   | 1   | Fitting, 10 FLM x 8 PM                        |                                                                                 |
| 6    | 800302221   | 2   | Fitting, 10 FLF x 10 HB 90                    |                                                                                 |
| 7    | 420100006   | 1   | Compressor, A/C                               | 3.25 lbs of R134A                                                               |
| 8    | 800302219   | 1   | Fitting, 10 FLM x 12 PM                       |                                                                                 |
| 9    | 200100080   | 1   | Flywheel, Cummins ZF                          |                                                                                 |
| 10   | 900100004   | 4   | Bolt, M10 x 1.50 x 35 Metric Allen Head       |                                                                                 |
| 11   | 301010200   | 1   | Flexplate, ZF                                 |                                                                                 |
| 12   | 301010201   | 1   | Torque Converter, ZF                          |                                                                                 |
| 13   | 310100020   | 1   | Transmission, ZF                              |                                                                                 |
| 14   | 800404245   | 2   | Fitting, 16 FLM x M33 x 2 ORM                 |                                                                                 |
| 15   | 350000317   | 1   | O-ring                                        |                                                                                 |
| 16   | 860000036   | 1   | Pump, Assembly ZF                             | Piston Pump P/N 860000030. Tandem Gear Pump P/N 860000037.                      |
| 17   | 901100467   | 4   | Washer, Flat M12                              |                                                                                 |
| 18   | 902003047   | 4   | Washer, Lock M12                              |                                                                                 |
| 19   | 900102334   | 4   | Bolt, HHCS M12 x 1.75 x 35                    |                                                                                 |
| 20   | 900100003   | 12  | Bolt, HHCS M10 x 1.50 x 40                    |                                                                                 |
| 21   | 902100100   | 12  | Washer, Lock M10                              |                                                                                 |
| 22   | 900100799   | 2   | Bolt, HHCS M16 x 2.0 x 35                     |                                                                                 |
| 23   | 902003046   | 2   | Washer, Lock M16                              |                                                                                 |
| 24   | 902003044   | 2   | Washer, Flat M16                              |                                                                                 |
| 25   | 290000897   | 1   | Mount, L/H Trans ZF                           |                                                                                 |
| 26   | 901100763   | 6   | Washer, Lock M20                              |                                                                                 |
| 27   | 901100764   | 6   | Bolt, M20 x 2.5 x 40                          |                                                                                 |
|      | 201450102   |     | Assembly, Filter Head                         | Complete Assembly, Includes fuel filter.                                        |
|      | 201450103   | 1   | Housing, Fuel Filter (2011 Cummins Head Only) | Must order Filter Head Adapter P/N 290000932 to thread filter onto filter head. |
|      | 310200000   | 1   | Transmission Control Unit (TCU), ZF           | AS1020                                                                          |
|      | 700000455   | 1   | Harness, Cummins Cold Start                   |                                                                                 |
|      | 201450290   |     | In Line Fuel Filter                           | All Models                                                                      |
|      | 310200010   |     | Transmission Control Unit (TCU) ZF            | AS1220                                                                          |

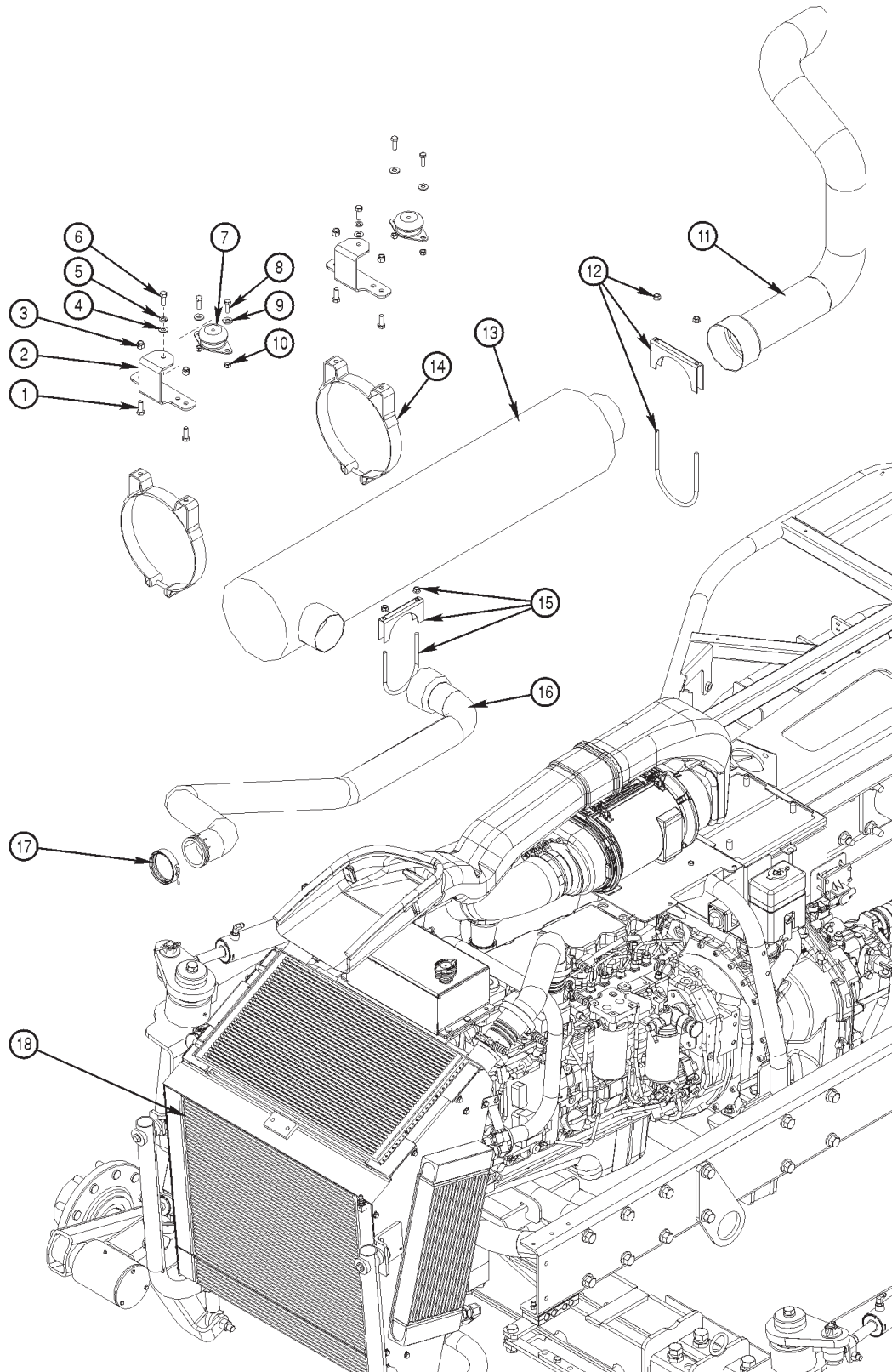




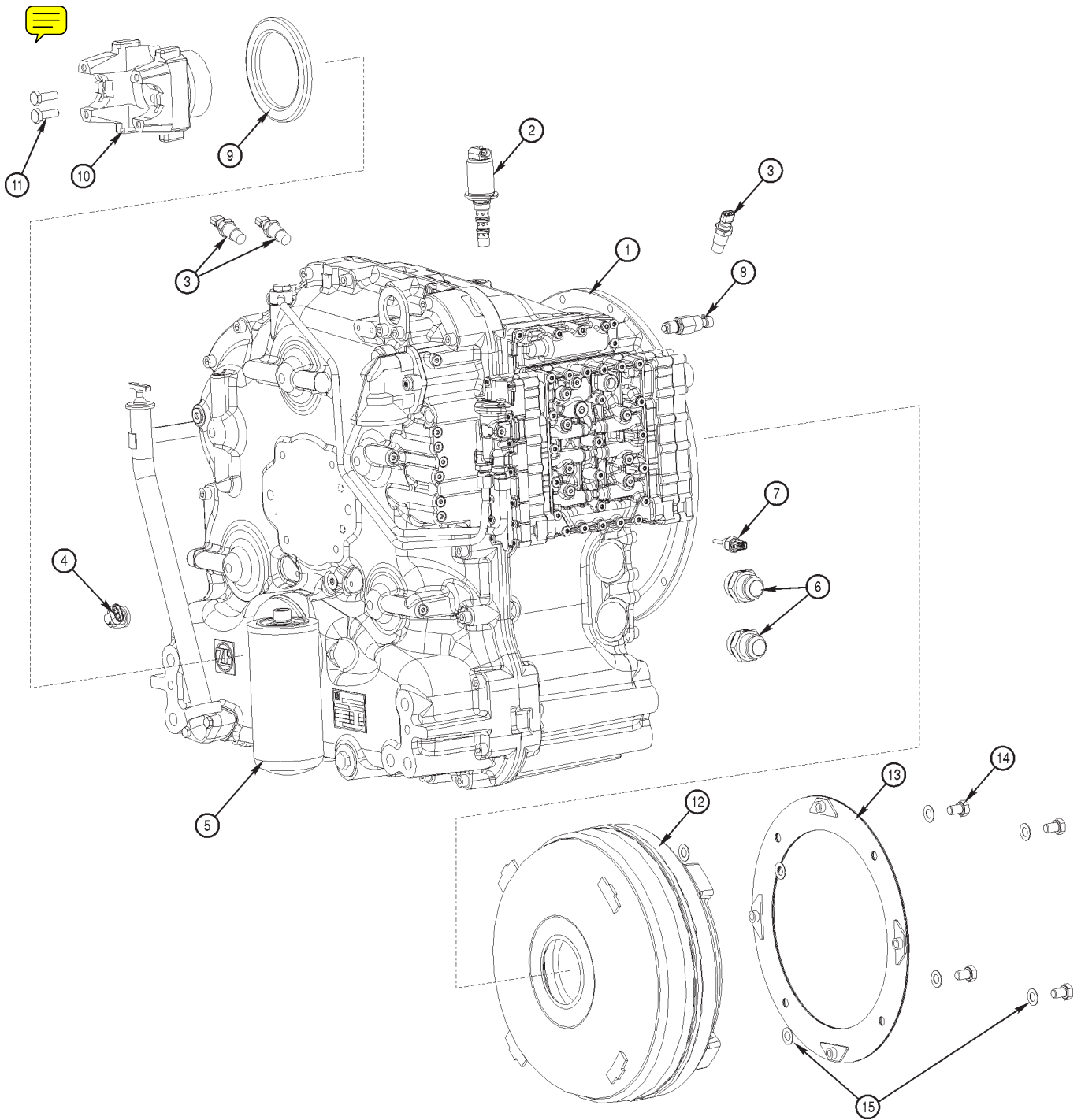
| Item | Part Number | Qty | Description                             | Comments                                                   |
|------|-------------|-----|-----------------------------------------|------------------------------------------------------------|
| 1    | 900102334   | 4   | Bolt, HHCS M12 x 1.75 x 35              |                                                            |
| 2    | 902003047   | 4   | Washer, Lock M12                        |                                                            |
| 3    | 901100467   | 4   | Washer, Flat M12                        |                                                            |
| 4    | 902003044   | 2   | Washer, Flat M16                        |                                                            |
| 5    | 902003046   | 2   | Washer, Lock M16                        |                                                            |
| 6    | 900100799   | 2   | Bolt, HHCS M16 x 2.0 x 35               |                                                            |
| 7    | 902100100   | 12  | Washer, Lock M10                        |                                                            |
| 8    | 900100003   | 12  | Bolt, HHCS M10 x 1.50 x 40              |                                                            |
| 9    | 860000036   | 1   | Pump, Assembly ZF                       | Piston Pump P/N 860000030. Tandem Gear Pump P/N 860000037. |
| 10   | 350000317   | 1   | O-ring                                  |                                                            |
| 11   | 310100020   | 1   | Transmission, ZF                        |                                                            |
| 12   | 800404245   | 2   | Fitting, 16 FLM x M33 x 2 ORM           |                                                            |
| 13   | 290000897   | 1   | Mount, L/H Trans ZF                     |                                                            |
| 14   | 290000896   | 1   | Mount, R/H Trans ZF                     |                                                            |
| 15   | 901100763   | 6   | Washer, Lock M20                        |                                                            |
| 16   | 901100764   | 6   | Bolt, M20 x 2.5 x 40                    |                                                            |
| 17   | 301010201   | 1   | Torque Converter, ZF                    |                                                            |
| 18   | 301010200   | 1   | Flexplate, ZF                           |                                                            |
| 19   | 900100004   | 4   | Bolt, M10 x 1.50 x 35 Metric Allen Head |                                                            |
| 20   | 200100080   | 1   | Flywheel, Cummins ZF                    |                                                            |
| 21   | 800302221   | 2   | Fitting, 10 FLF x 10 HB 90              |                                                            |
| 22   | 800302219   | 1   | Fitting, 10 FLM x 12 PM                 | AS1020                                                     |
| 23   | 420100006   | 1   | Compressor, A/C                         | 3.25 lbs of R134A                                          |
| 24   | 201450509   | 1   | Alternator                              |                                                            |
| 25   | 800302220   | 1   | Fitting, 12 PM x 12 BARB 90             |                                                            |
| 26   | 800302218   | 1   | Fitting, 10 FLM x 8 PM                  |                                                            |
| 27   | 200100034   | 1   | Belt, Serpentine QSB 6.7                |                                                            |
| 28A  | 200000002   | 1   | Engine, Cummins QSB 173HP T III         | AS1020                                                     |
| 28B  | 200000003   | 1   | Engine, Cummins QSB 215HP T III         | AS1220                                                     |
|      |             |     |                                         |                                                            |
|      | 310200000   | 1   | Transmission Control Unit (TCU), ZF     | AS1020                                                     |
|      | 310200010   | 1   | Transmission Control Unit (TCU), ZF     | AS1220                                                     |
|      | 700000455   | 1   | Harness, Cummins Cold Start             |                                                            |
|      | 201450290   |     | In Line Fuel Filter                     | All Models                                                 |

## Engine Exhaust Piping

All Models Except AS1025



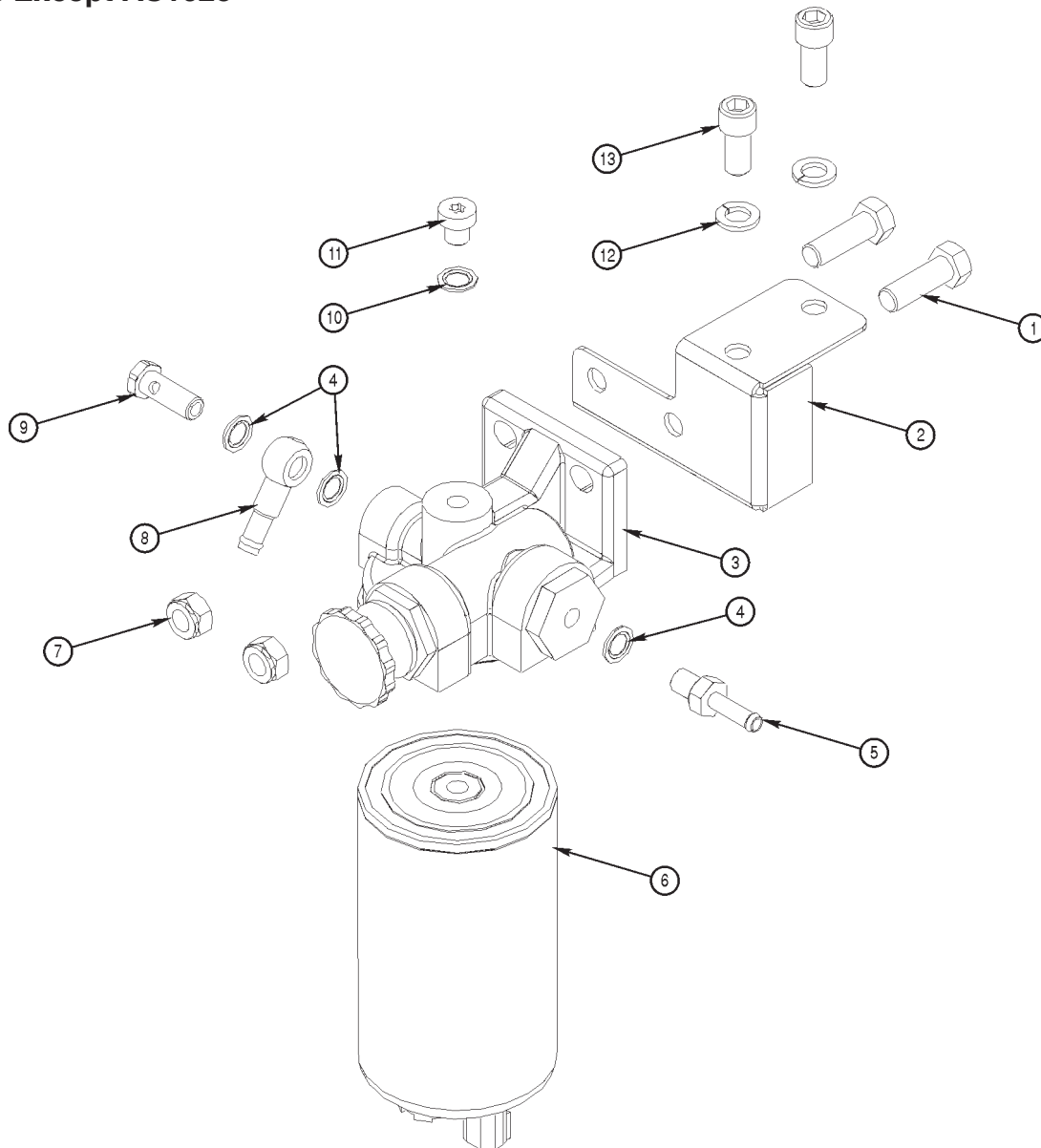
| Item | Part Number | Qty | Description                       | Comments |
|------|-------------|-----|-----------------------------------|----------|
| 1    | 900002815   | 4   | Bolt, HHCS 3/8-16 x 1 G5 ZP       |          |
| 2    | 201100025   | 2   | Bracket, Exhaust hanger           |          |
| 3    | 901003010   | 4   | Nut, Nylock 5/16"                 |          |
| 4    | 902003200   | 2   | Washer, Flat 3/8"                 |          |
| 5    | 900002806   | 2   | Washer, Lock 3/8"                 |          |
| 6    | 900002815   | 2   | Bolt, HHCS 3/8-16 x 1 G5 ZP       |          |
| 7    | 290001020   | 2   | Mount, Vibration, Control Exhaust |          |
| 8    | 900002610   | 4   | Bolt, HHCS 5/16-18 x 1 G5 ZP      |          |
| 9    | 902003195   | 8   | Washer, Flat 5/16"                |          |
| 10   | 901003010   | 4   | Nut, Nylock 5/16"                 |          |
| 11   | 201200151   | 1   | Tube, Exhaust Rear                |          |
| 12   | 290000757   | 1   | Clamp, 5" Exhaust U-Bolt          |          |
| 13   | 201100017   | 1   | Muffler, Donaldson                |          |
| 14   | 201100021   | 2   | Clamp, Muffler 9.00"              |          |
| 15   | 290000753   | 1   | Clamp, 4" Exhaust U-Bolt          |          |
| 16   | 201200150   | 1   | Tube, Exhaust Front               |          |
| 17   | 290000755   | 1   | Clamp 3.00 V-band Exhaust         |          |
| 18   | 201200183   | 1   | Cooling Package, Hydac            |          |



| Item | Part Number | Qty | Description                      | Comments  |
|------|-------------|-----|----------------------------------|-----------|
| 1    | 310100000   | 1   | Transmission, ZF                 |           |
| 2    | 310100011   | 1   | Pressure Regulator               |           |
| 3    | 310100002   | 3   | Inductive Sensor,Speed w/o-ring  |           |
| 4    | 310100021   | 1   | Speed Transmitter                |           |
| 5    | 310100001   | 1   | Filter, ZF Transmission          |           |
| 6    | 800404245   | 2   | Fitting, 16 FLM x M33 X 2 ORM    |           |
| 7    | 310100024   | 1   | Temperature sensor               |           |
| 8    | 310100004   | 1   | Switch                           |           |
| 9    | 310100213   | 1   | Screen sheet, Dust cover         |           |
| 10   | 310100023   | 1   | Flange, Yoke                     |           |
| 11   | 900100005   | 2   | Bolt, HHCS M10 x 1.5 x 30        |           |
| 12   | 301010201   | 1   | Converter, Torque, ZF            |           |
| 13   | 301010200   | 1   | Flex Plate, ZF                   |           |
| 14   | 901100469   | 4   | Bolt, M12 x 18                   |           |
| 15   | 901100468   | 8   | Washer, Thrust M12               |           |
|      |             |     |                                  |           |
|      | 310100154   | 1   | Output Shaft Seal Ring (Slinger) | Not shown |

# Primary Fuel Filter Head

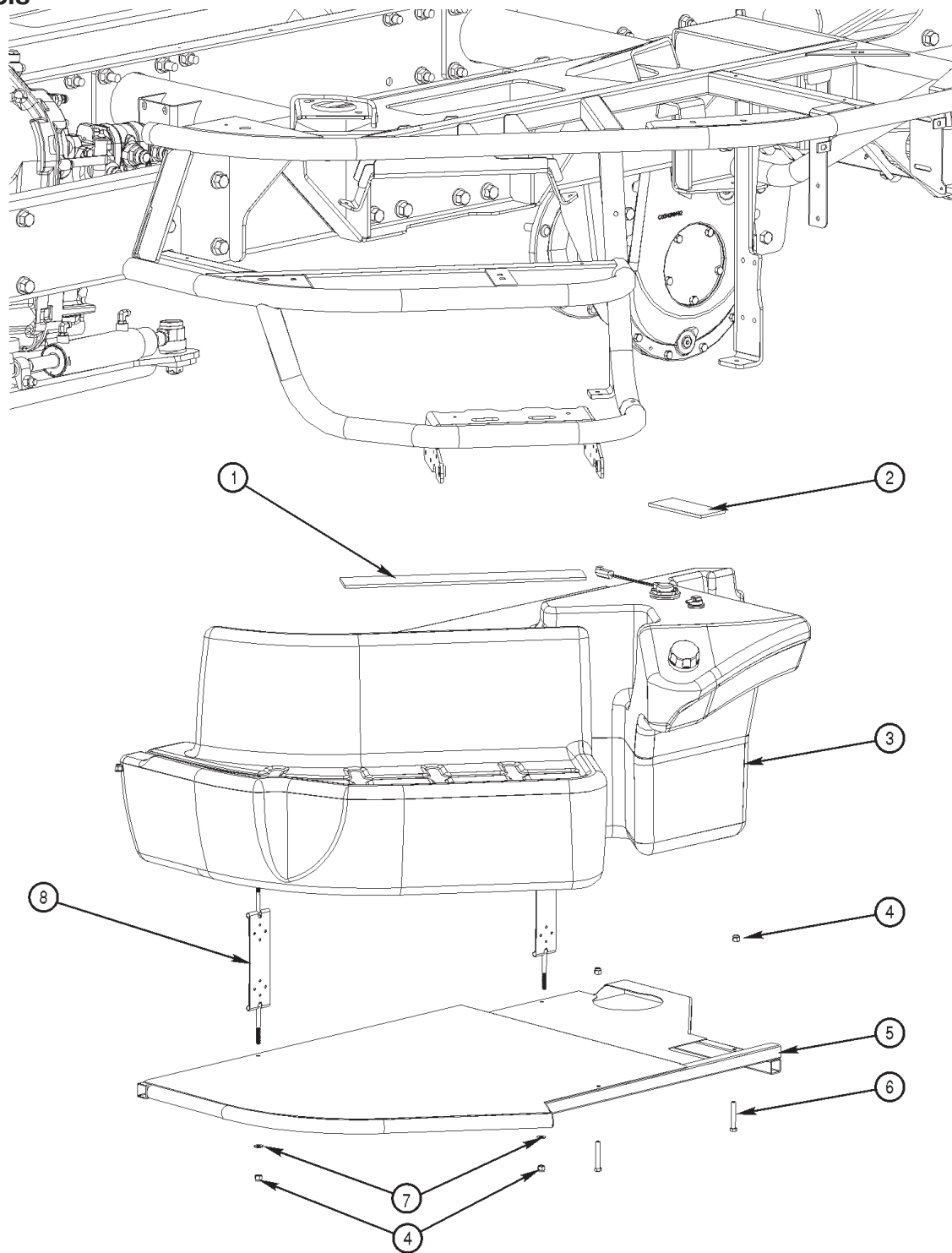
All Models Except AS1025



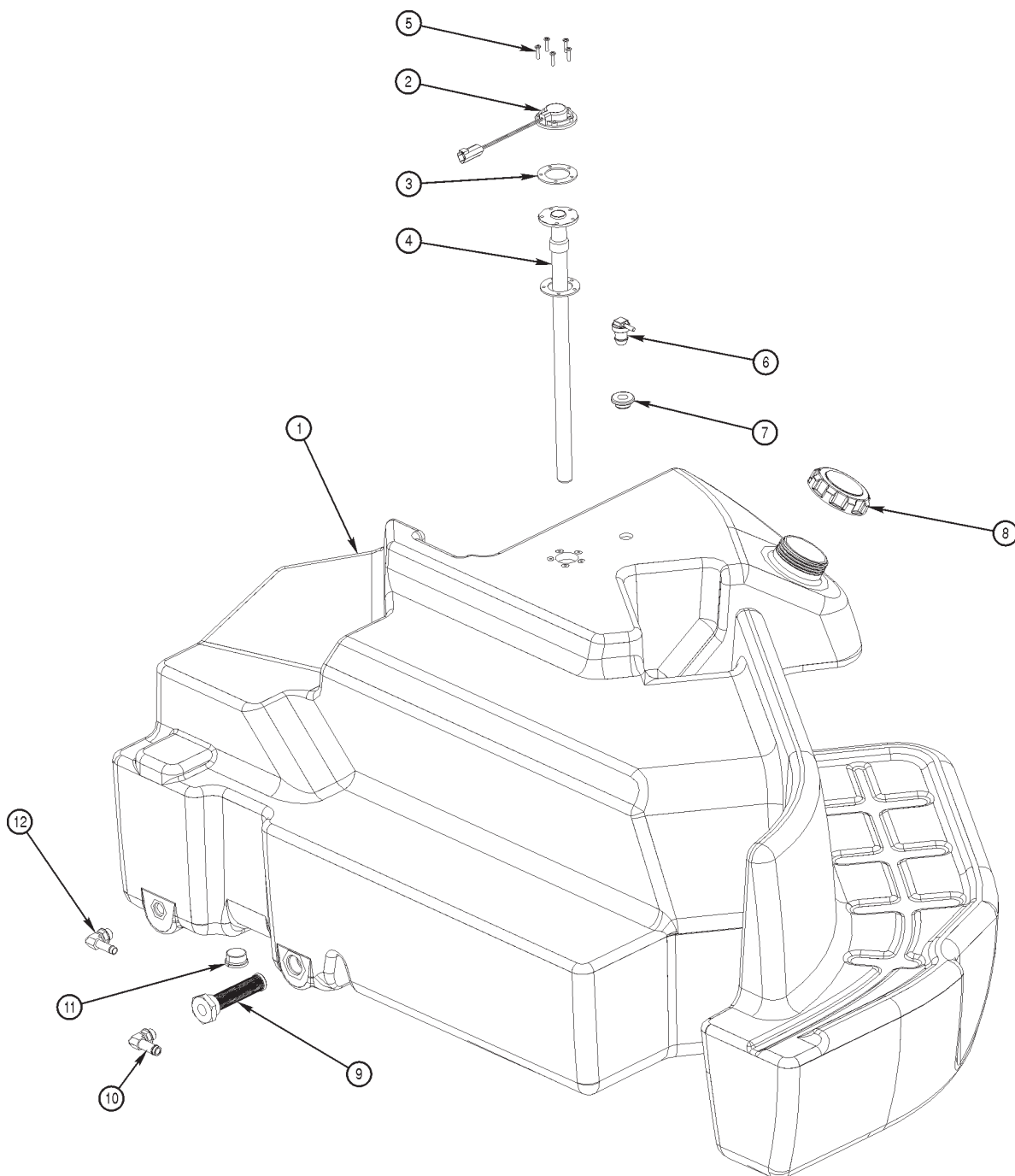
| Item | Part Number | Qty | Description                                   | Comments                                                                           |
|------|-------------|-----|-----------------------------------------------|------------------------------------------------------------------------------------|
| 1    | 900100585   | 2   | Bolt, HHCS M12 x 1.75 x 30                    |                                                                                    |
| 2    | 290000923   | 1   | Bracket, Fuel Filter Cummins                  |                                                                                    |
| 3    | 201450103   | 1   | Housing, Fuel Filter (2011 Cummins Head Only) | Must order Filter Head Adapter P/N 290000932 to thread filter onto filter housing. |
| 4    | 290000929   | 3   | Seal,Washer O-ring Fuel Housing               |                                                                                    |
| 5    | 290000927   | 1   | Fitting,Hose Barb, Inlet Fuel Housing         |                                                                                    |
| 6    | 201450242   | 1   | Filter, Fuel Primary                          | 201450243 Filter, Fuel Secondary                                                   |
| 7    | 901100466   | 2   | Nut, M12 x 1.75 Grade 10.9                    |                                                                                    |
| 8    | 290000925   | 1   | Fitting, Banjo Outlet Fuel Housing            |                                                                                    |
| 9    | 290000926   | 1   | Fitting, Banjo Bolt on Fuel Housing           |                                                                                    |
| 10   | 290000930   | 1   | Seal,Washer O-ring Fuel Housing               |                                                                                    |
| 11   | 290000928   | 1   | Fitting,Plug Secondary Fuel Outlet            |                                                                                    |
| 12   | 902003047   | 2   | Washer, Lock M12                              |                                                                                    |
| 13   | 900102333   | 2   | Bolt, SHCS M12 x 1.75 x 25                    |                                                                                    |
|      | 201450102   |     | Assembly, Filter Head                         | Complete Assembly, Includes fuel filter.                                           |

# Fuel Tank

## All Models



| Item | Part Number | Qty | Description                    | Comments          |
|------|-------------|-----|--------------------------------|-------------------|
| 1    | 201400028   | 1   | Pad, Rubber, Fuel Tank (large) |                   |
| 2    | 201400029   | 1   | Pad, Rubber, Fuel Tank (small) |                   |
| 3    | 201400015   | 1   | Tank, Fuel                     | 100 Gallon        |
| 4    | 901003020   | 6   | Nut, Nylock 3/8"               |                   |
| 5    | 201400027   | 1   | Support Pan, Fuel Tank         |                   |
| 6    | 900002845   | 2   | Bolt, HHCS 3/8-16 x 2 G5 ZP    |                   |
| 7    | 902003195   | 4   | Washer, Flat 5/16"             |                   |
| 8    | 201400025   | 2   | Strap, Fuel Tank               | 15.61" end to end |

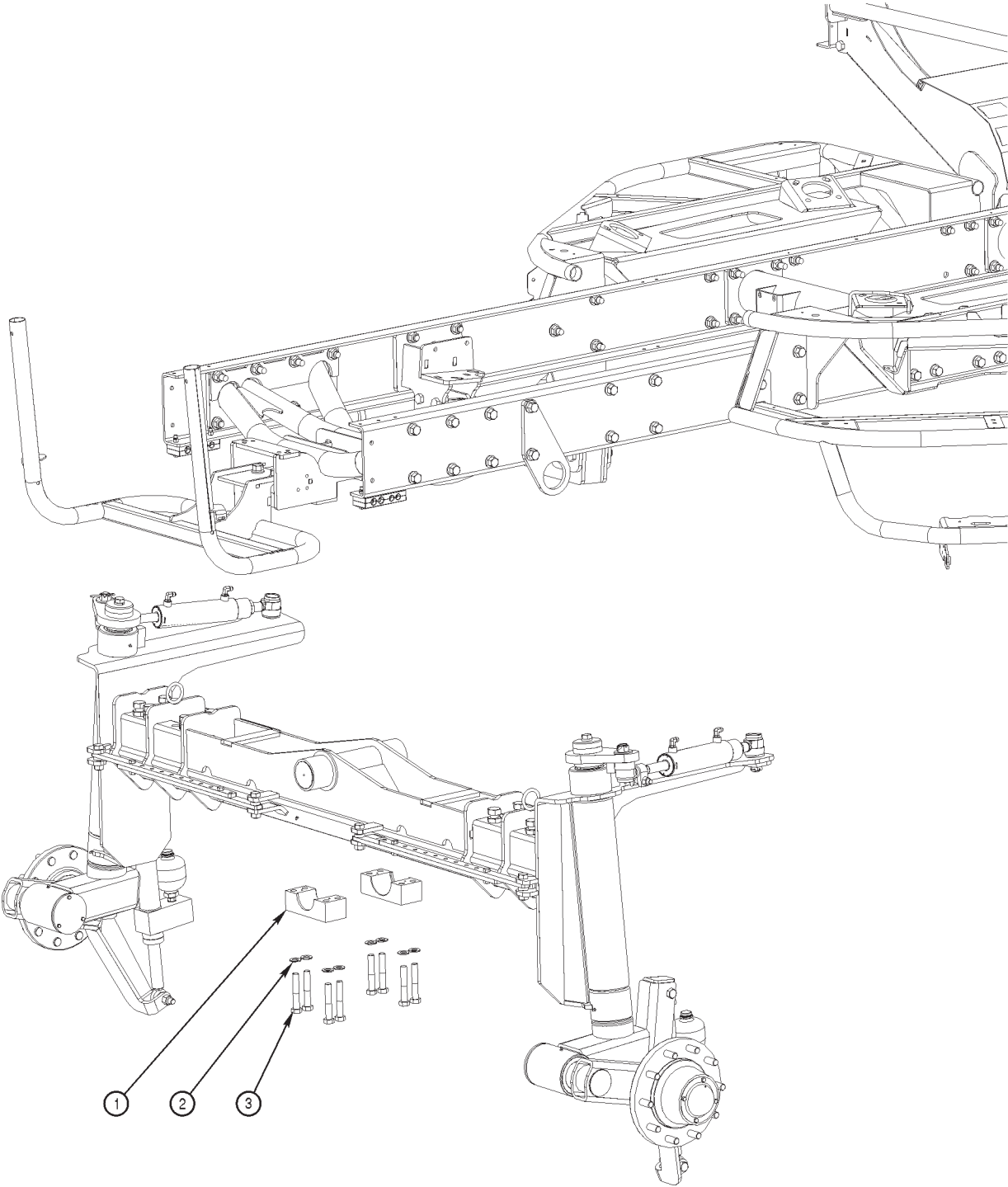


| Item | Part Number | Qty | Description                            | Comments                                                                       |
|------|-------------|-----|----------------------------------------|--------------------------------------------------------------------------------|
| 1    | 201400015   | 1   | Tank, Fuel                             | Can be used for replacement on 2011 but must order P/N 201400019 and 201450001 |
| 2    | 700010011   | 1   | Sending unit, Tube Float               |                                                                                |
| 3    | 700010012   | 1   | Gasket, Fuel Sending Unit              |                                                                                |
| 4    | 700010010   | 1   | Fuel Sending Unit                      |                                                                                |
| 5    | 900002513   | 5   | Capscrew, Buttonhead 10-32 x 1"        |                                                                                |
| 6    | 201400017   | 1   | Vent, Fuel Tank                        |                                                                                |
| 7    | 201400018   | 1   | Grommet, Fuel Tank                     |                                                                                |
| 8    | 201400019   | 1   | Cap, Fuel                              |                                                                                |
| 9    | 201450001   | 1   | Strainer 3.5", Fuel Tank               |                                                                                |
| 10   | 800302501   | 1   | Fitting, 8 ORM X 1/2" HB 90            |                                                                                |
| 11   | 800000641   | 1   | Plug, 1" Hollow Hex O-Ring             |                                                                                |
| 12   | 800303027   | 1   | Fitting, 4601-06-08 NWO                |                                                                                |
|      | 700000554   | 1   | Jumper, Fuel Sender Voltage Suppressor | Not shown                                                                      |



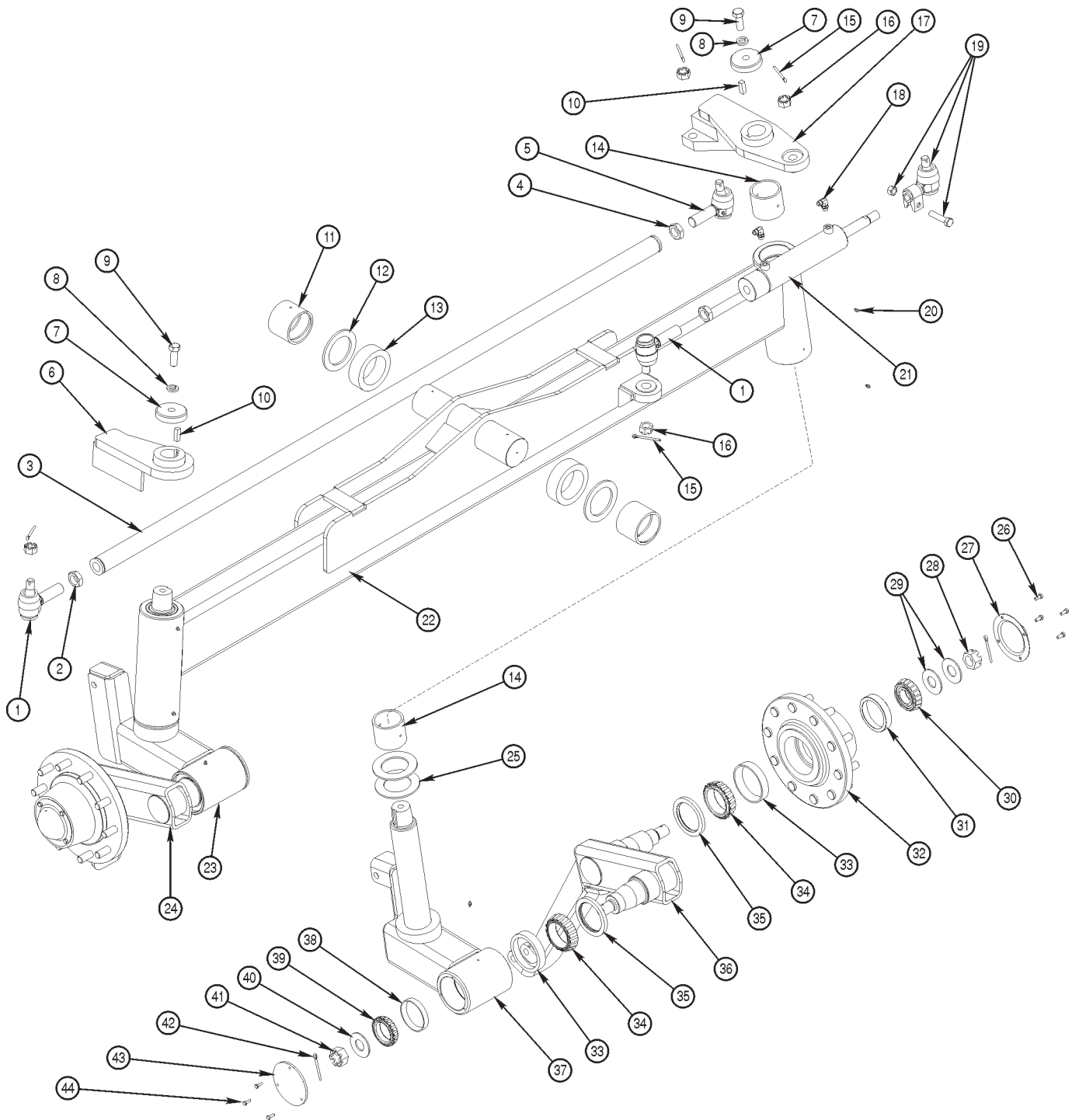
# Front Axle

## All Models



| Item | Part Number | Qty | Description                     | Comments |
|------|-------------|-----|---------------------------------|----------|
| 1    | 100105239   | 2   | Bearing, Carrier, Lower         |          |
| 2    | 902000100   | 8   | Washer, Flat 3/4" G8            |          |
| 3    | 900011877   | 8   | Bolt, HHCS 3/4-16 x 4 1/2 G8 ZP |          |
|      |             |     |                                 |          |
|      |             |     |                                 |          |
|      |             |     |                                 |          |

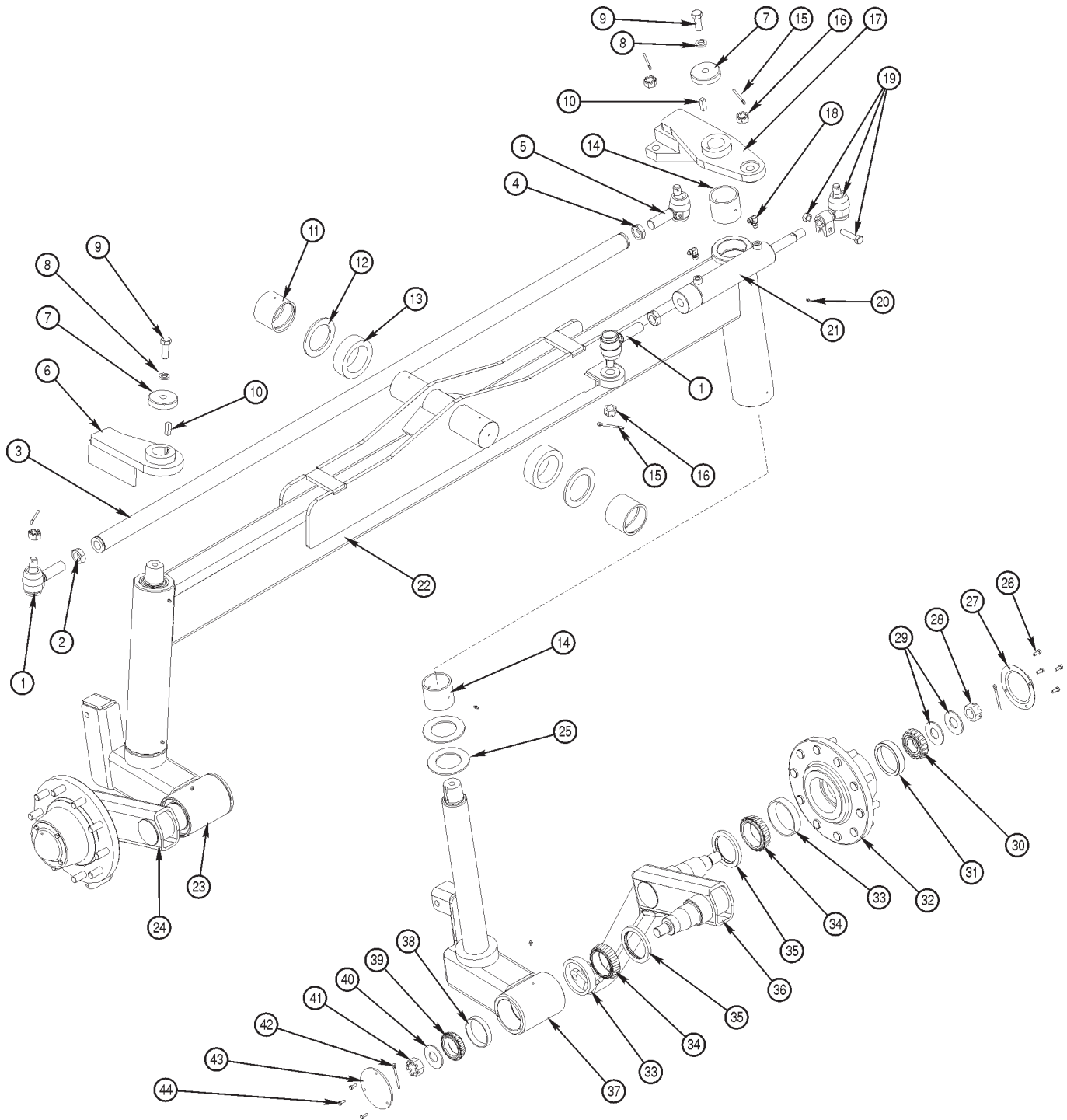
**120" Fixed Front Axle**  
**42" Crop Clearance**  
**AS720, AS1020 and AS1025**



| Item | Part Number | Qty | Description                       | Comments        |
|------|-------------|-----|-----------------------------------|-----------------|
| 1    | 100800810   | 2   | Tie Rod End, Male R/H Thread      |                 |
| 2    | 901002105   | 2   | Nut, Jam 1 1/8-12 R/H Thread      |                 |
| 3    | 100105241   | 1   | Tie Rod 120" Fixed                |                 |
| 4    | 901002106   | 2   | Nut, Jam 1 1/8-12 L/H Thread      |                 |
| 5    | 100800815   | 1   | Tie Rod End, Male L/H Thread      |                 |
| 6    | 100200125   | 1   | Steering Arm, R/H Fixed           |                 |
| 7    | 100000400   | 2   | Retainer Cap, 3.5" x 0.5          |                 |
| 8    | 902351000   | 2   | Washer, Lock 3/4"                 |                 |
| 9    | 900011875   | 2   | Bolt, HHCS 3/4-16 X 2 1/2 G8 Z    |                 |
| 10   | 925000200   | 2   | Key Stock 1/2 X 1/2 X 1 1/2 LG    |                 |
| 11   | 100105240   | 2   | Bushing, 3.50" Front Axle         |                 |
| 12A  | 100105243   | 2   | Washer, Bronze 3.5 x 5.0 x 0.19   |                 |
| 12B  | 100105248   | 2   | Washer, Bronze 3.5 x 5.0 x 0.06   |                 |
| 13   | 100105242   | 2   | Spacer, Pivot Pin, Fixed Front    |                 |
| 14   | 100100288   | 4   | Bushing, 3" ID x 3 1/2" OD x 3" L |                 |
| 15   | 904300207   | 4   | Cotter Pin, 5/32" X 2"            |                 |
| 16   | 901000001   | 4   | Nut, Castle 7/8-14                |                 |
| 17   | 100200126   | 1   | Steering Arm, L/H Fixed           |                 |
| 18   | 800404215   | 2   | Fitting, 6 FLM X 6 ORM 90         |                 |
| 19   | 100800800   | 1   | Tie Rod End, Female               |                 |
| 20   | 915003010   | 6   | Zerk, 1/4-28 NPT Straight         |                 |
| 21   | 850000130   | 1   | Cylinder, Steering                |                 |
| 22   | 100105232   | 1   | Axle, Front Fixed 42" CC HD       |                 |
| 23   | 100105234   | 1   | Kingpin, R/H, Fixed 42" CC HD     |                 |
| 24   | 100106203   | 1   | Outer Flex, R/H Suspension        |                 |
| 25   | 100105107   | 4   | Washer, Thrust Bronze 3 x 5       |                 |
| 26   | 900002600   | 8   | Bolt, HHCS 5/16-18 X 3/4 G5 ZP    |                 |
| 27   | 100107019   | 2   | Cap, Hub HD                       | Gasket included |
| 28   | 100106025   | 2   | Nut, Castle 1 1/4 spindle         |                 |
| 29   | 100106016   | 4   | Washer, Flat 1 1/4                |                 |
| 30   | 100106077   | 2   | Bearing, Cone                     | Bearing         |
| 31   | 100106076   | 2   | Bearing, Cup                      | Race            |
| 32   | 100107022   | 2   | Hub Assembly, HD 15,000 lb        |                 |
| 33   | 100106071   | 4   | Bearing, Cup                      | Race            |
| 34   | 100106072   | 4   | Bearing, Cone                     | Bearing         |
| 35   | 100106091   | 4   | Seal, Grease                      |                 |
| 36   | 100106204   | 1   | Outer Flex, L/H Suspension        |                 |
| 37   | 100105233   | 1   | Kingpin, L/H, Fixed 42" CC HD     |                 |
| 38   | 100106070   | 2   | Bearing, Cup                      | Race            |
| 39   | 100106080   | 2   | Bearing, Cone                     | Bearing         |
| 40   | 902003090   | 2   | Washer, Flat 1 1/4 ZP             |                 |
| 41   | 901000004   | 2   | Nut, Castle, HD Inner Suspension  |                 |
| 42   | 100106027   | 4   | Cotter Pin, Spindle               |                 |
| 43   | 100107012   | 2   | Dust Cover, HD Outer Flex         |                 |
| 44   | 900002395   | 6   | Bolt, HHCS 1/4-20 X 3/4 G5 ZP     |                 |
|      |             |     |                                   |                 |
|      | A00000080   |     | Kit, Fixed Axle Steering Hose     |                 |

# **120" Fixed Front Axle** **50" Crop Clearance**

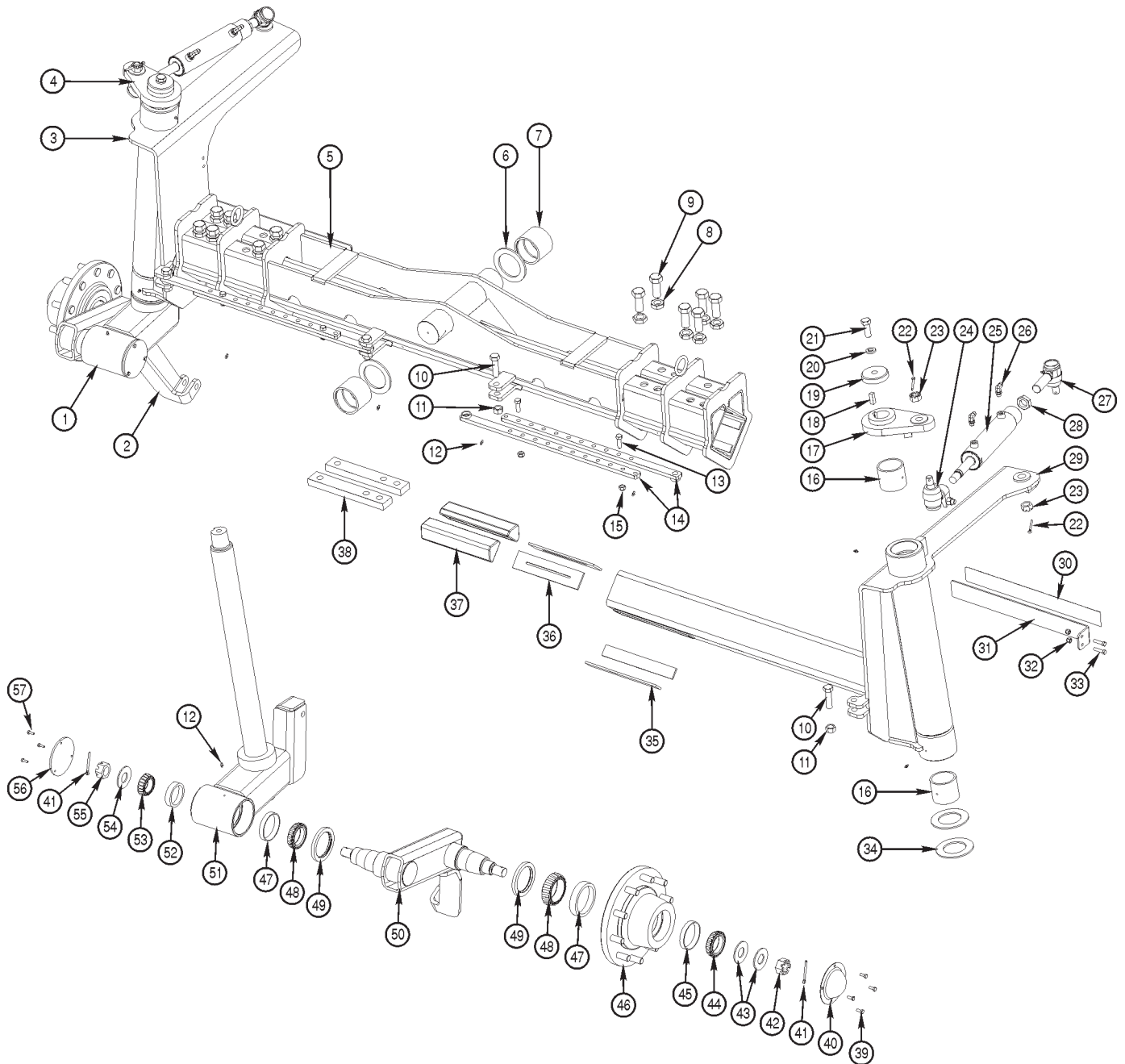
**All Models**



| Item | Part Number          | Qty | Description                      | Comments        |
|------|----------------------|-----|----------------------------------|-----------------|
| 1    | 100800810            | 2   | Tie Rod End, Male R/H Thread     |                 |
| 2    | 100105241            | 1   | Tie Rod 120" Fixed               |                 |
| 3    | <del>100200125</del> | 1   | Steering Arm, R/H Fixed          |                 |
| 4    | 901002106            | 2   | Nut, Jam 1 1/8-12 L/H Thread     |                 |
| 5    | 100800815            | 1   | Tie Rod End, Male L/H Thread     |                 |
| 6    | 100200125            | 1   | Steering Arm, R/H Fixed          |                 |
| 7    | 100000400            | 2   | Retainer Cap, 3.5" x 0.5         |                 |
| 8    | 902351000            | 2   | Washer, Lock 3/4"                |                 |
| 9    | 900011875            | 2   | Bolt, HHCS 3/4-16 X 2 1/2 G8 Z   |                 |
| 10   | 925000200            | 2   | Key Stock 1/2 X 1/2 X 1 1/2 LG   |                 |
| 11   | 100105240            | 2   | Bushing, 3.50" Front Axle        |                 |
| 12A  | 100105243            | 2   | Washer, Bronze 3.5 x 5.0 x 0.19  |                 |
| 12B  | 100105248            | 2   | Washer, Bronze 3.5 x 5.0 x 0.06  |                 |
| 13   | 100105242            | 2   | Spacer, Pivot Pin, Fixed Front   |                 |
| 14   | 100100288            | 4   | Bushing, 3 ID x 3 1/2 OD x 3 L   |                 |
| 15   | 904300207            | 4   | Cotter Pin, 5/32 X 2.00          |                 |
| 16   | 901000001            | 4   | Nut, Castle 7/8-14               |                 |
| 17   | 100200126            | 1   | Steering Arm, L/H Fixed          |                 |
| 18   | 800404215            | 2   | Fitting, 6 FLM X 6 ORM 90        |                 |
| 19   | 100800800            | 1   | Tie Rod End, Female              |                 |
| 20   | 915003010            | 6   | Zerk, 1/4-28 NPT Straight        |                 |
| 21   | 850000130            | 1   | Cylinder, Steering               |                 |
| 22   | 100105235            | 1   | Axle, Front Fixed 50" CC HD      |                 |
| 23   | 100105216            | 1   | Kingpin, R/H, Fixed 50" CC HD    |                 |
| 24   | 100106203            | 1   | Outer Flex, R/H Suspension       |                 |
| 25   | 100105107            | 4   | Washer, Thrust Bronze 3 x 5      |                 |
| 26   | 900002600            | 8   | Bolt, HHCS 5/16-18 X 3/4 G5 ZP   |                 |
| 27   | 100107019            | 2   | Cap, Hub HD                      | Gasket Included |
| 28   | 100106025            | 2   | Nut, Castle 1 1/4 spindle        |                 |
| 29   | 100106016            | 4   | Washer, Flat 1 1/4               |                 |
| 30   | 100106077            | 2   | Bearing, Cone                    | Bearing         |
| 31   | 100106076            | 2   | Bearing, Cup                     | Race            |
| 32   | 100107022            | 2   | Hub Assembly, HD 15,000 lb       |                 |
| 33   | 100106071            | 4   | Bearing, Cup                     | Race            |
| 34   | 100106072            | 4   | Bearing, Cone                    | Bearing         |
| 35   | 100106091            | 4   | Seal, Grease                     |                 |
| 36   | 100106204            | 1   | Outer Flex, L/H Suspension       |                 |
| 37   | 100105215            | 1   | Kingpin, L/H, Fixed 50" CC HD    |                 |
| 38   | 100106070            | 2   | Bearing, Cup                     | Race            |
| 39   | 100106080            | 2   | Bearing, Cone                    | Bearing         |
| 40   | 902003090            | 2   | Washer, Flat 1 1/4 ZP            |                 |
| 41   | 901000004            | 2   | Nut, Castle, HD Inner Suspension |                 |
| 42   | 100106027            | 4   | Cotter Pin, Spindle              |                 |
| 43   | 100107012            | 2   | Dust Cover, HD Outer Flex        |                 |
| 44   | 900002395            | 6   | Bolt, HHCS 1/4-20 X 3/4 G5 ZP    |                 |
|      |                      |     |                                  |                 |
|      | A00000080            |     | Kit, Fixed Axle Steering Hose    |                 |

# **120 to 160" Adjustable Front Axle** **42" Crop Clearance**

**AS720, AS1020 and AS1025**

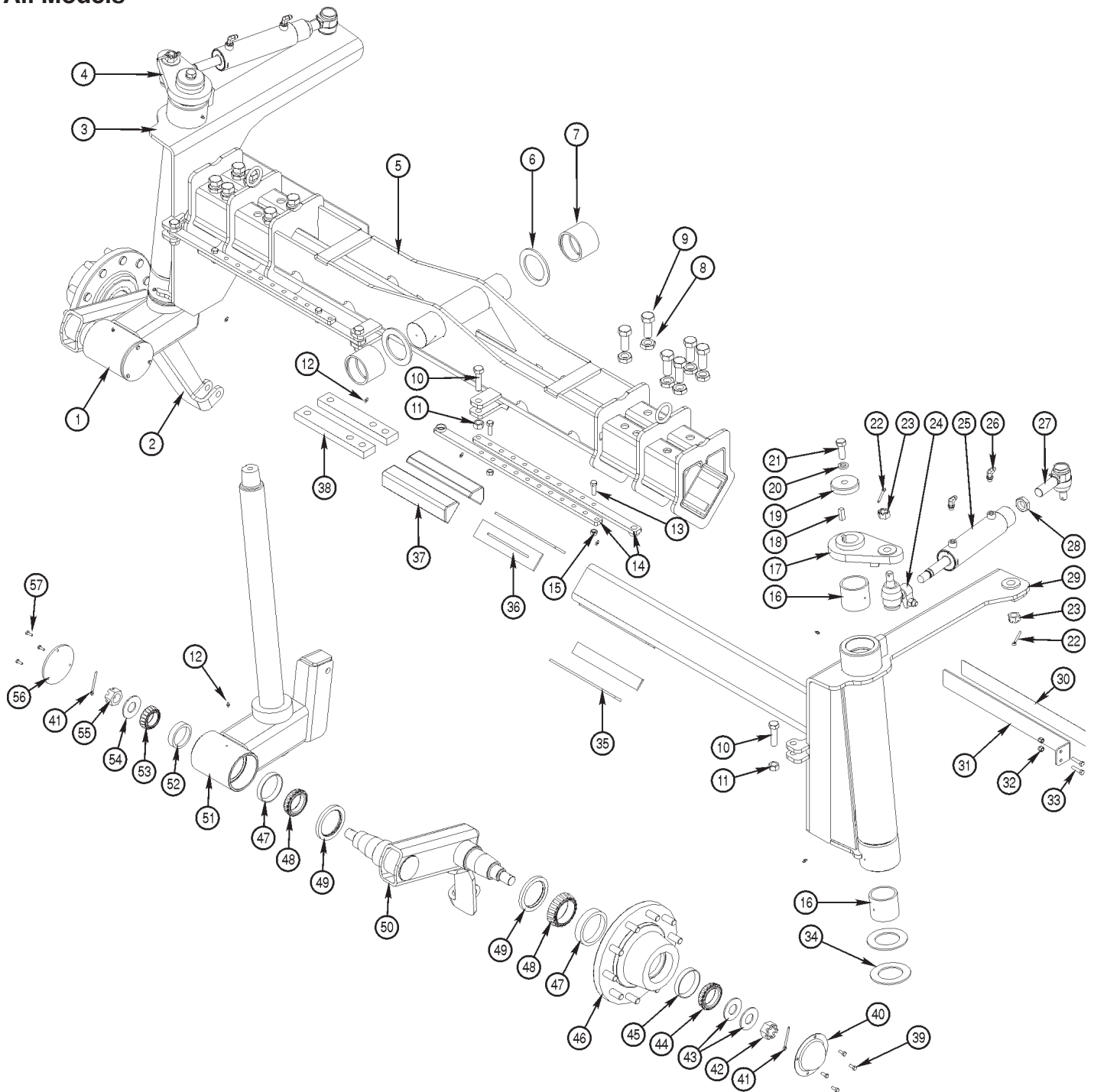


| Item | Part Number | Qty | Description                        | Comments                           |
|------|-------------|-----|------------------------------------|------------------------------------|
| 1    | 100106201   | 1   | King Pin, 3.00" R/H, HD            |                                    |
| 2    | 100106203   | 1   | Suspension Flex Outer R/H,         |                                    |
| 3    | 100105228   | 1   | Axle, Front Male R/H 42" CC        |                                    |
| 4    | 100200110   | 1   | Steering Arm, R/H                  |                                    |
| 5    | 100105225   | 1   | Axle, Front Center 120-160"        |                                    |
| 6A   | 100105243   | 2   | Washer, Bronze 3.5 x 5.0 x 0.19    |                                    |
| 6B   | 100105248   | 2   | Washer, Bronze 3.5 x 5.0 x 0.06    |                                    |
| 7    | 100105240   | 2   | Bushing, 3.50" Front Axle          |                                    |
| 8    | 901002090   | 12  | Nut, Jam 1"-8                      |                                    |
| 9    | 900007040   | 12  | Bolt, HHCS 1"-8 x 2 1/2"           |                                    |
| 10   | 900006640   | 4   | Bolt, HHCS 3/4-16 X 3 G5 ZP        |                                    |
| 11   | 901003075   | 4   | Nut, Nylock 3/4-16 ZP              |                                    |
| 12   | 915003010   | 10  | Zerk, 1/4-28 NPT Straight          |                                    |
| 13   | 900003270   | 4   | Bolt, HHCS 1/2-13 X 2"             |                                    |
| 14   | 100000317   | 4   | Locking Bar, 120"-160"             |                                    |
| 15   | 901003040   | 4   | Nut, Nylock 1/2"-13                |                                    |
| 16   | 100100288   | 4   | Bushing, 3 ID x 3 1/2 OD x 3 L     |                                    |
| 17   | 100200120   | 1   | Steering Arm, L/H                  |                                    |
| 18   | 925000200   | 2   | Key Stock 1/2 X 1/2 X 1 1/2 LG     |                                    |
| 19   | 100000400   | 2   | Retainer Cap, 3.5" x 0.5           |                                    |
| 20   | 902351000   | 2   | Washer, Lock 3/4"                  |                                    |
| 21   | 900011875   | 2   | Bolt, HHCS 3/4-16 X 2 1/2 G8 Z     |                                    |
| 22   | 904300207   | 4   | Cotter Pin, 5/32 X 2.00            |                                    |
| 23   | 901000001   | 4   | Nut, Castle 7/8-14                 |                                    |
| 24   | 100800800   | 2   | Tie Rod End, Female                |                                    |
| 25   | 850000129   | 2   | Cylinder, Steering Re-phasing      | Seal Kit P/N 850000132             |
| 26   | 800404215   | 4   | Fitting, 6 FLM X 6 ORM 90          |                                    |
| 27   | 100800810   | 2   | Tie Rod End, Male R/H Thread       |                                    |
| 28   | 901002105   | 2   | Nut, Jam 1 1/8-12 R/H Thread       |                                    |
| 29   | 100105229   | 1   | Axle, Front Male L/H 42" CC        |                                    |
| 30A  | 100105246   | 1   | Decal, Crop Width Indicator R/H    |                                    |
| 30B  | 100105247   | 1   | Decal, Crop Width Indicator L/H    |                                    |
| 31   | 100105245   | 2   | Bracket, Crop width Indicator      |                                    |
| 32   | 901003020   | 4   | Nut, Nylock 3/8-16                 |                                    |
| 33   | 900006604   | 4   | Bolt, HHCS 3/8-16 X 1 1/4          |                                    |
| 34   | 100105107   | 4   | Washer, Thrust Bronze 3 x 5        |                                    |
| 35   | 100200013   | 4   | Wear Pad, Male Slider              |                                    |
| 36   | 100200009   | 4   | Wear Pad, Under Wedge Block        | Manual Adjust and Adjust on the go |
| 37A  | 100105134   | 4   | Clamp Wedge Block casting          | Manual Adjust                      |
| 37B  | 100105144   | 4   | Clamp Wedge Block casting          | Adjust on the go                   |
| 38   | 100105244   | 4   | Clamp Plate, Threaded              |                                    |
| 39   | 900002600   | 8   | Bolt, HHCS 5/16-18 X 3/4 G5 ZP     |                                    |
| 40   | 100107019   | 2   | Cap, Hub HD                        | Gasket Included                    |
| 41   | 100106027   | 4   | Cotter Pin, Spindle                |                                    |
| 42   | 100106025   | 2   | Nut, Castle 1 1/4 spindle          |                                    |
| 43   | 100106016   | 4   | Washer, Flat 1 1/4                 |                                    |
| 44   | 100106077   | 2   | Bearing, Cone                      | Bearing                            |
| 45   | 100106076   | 2   | Bearing, Cup                       | Race                               |
| 46   | 100107022   | 2   | Hub Assembly, HD 15,000 lb         |                                    |
| 47   | 100106071   | 4   | Bearing, Cup                       | Race                               |
| 48   | 100106072   | 4   | Bearing, Cone                      | Bearing                            |
| 49   | 100106091   | 4   | Seal, Grease                       |                                    |
| 50   | 100106204   | 1   | Suspension Flex Outer L/H,         |                                    |
| 51   | 100106202   | 1   | King Pin, 3.00" L/H, HD            |                                    |
| 52   | 100106070   | 2   | Bearing, Cup                       | Race                               |
| 53   | 100106080   | 2   | Bearing, Cone                      | Bearing                            |
| 54   | 902003090   | 2   | Washer, Flat 1 1/4 ZP              |                                    |
| 55   | 901000004   | 2   | Nut, Castle, HD Inner Suspension   |                                    |
| 56   | 100107012   | 2   | Dust Cover, HD Outer Flex          |                                    |
| 57   | 900002395   | 6   | Bolt, HHCS 1/4-20 X 3/4 G5 ZP      |                                    |
|      |             |     |                                    |                                    |
|      | A00000079   |     | Kit, Adjustable Axle Steering Hose |                                    |



# 120 to 160" Adjustable Front Axle 50" Crop Clearance

All Models

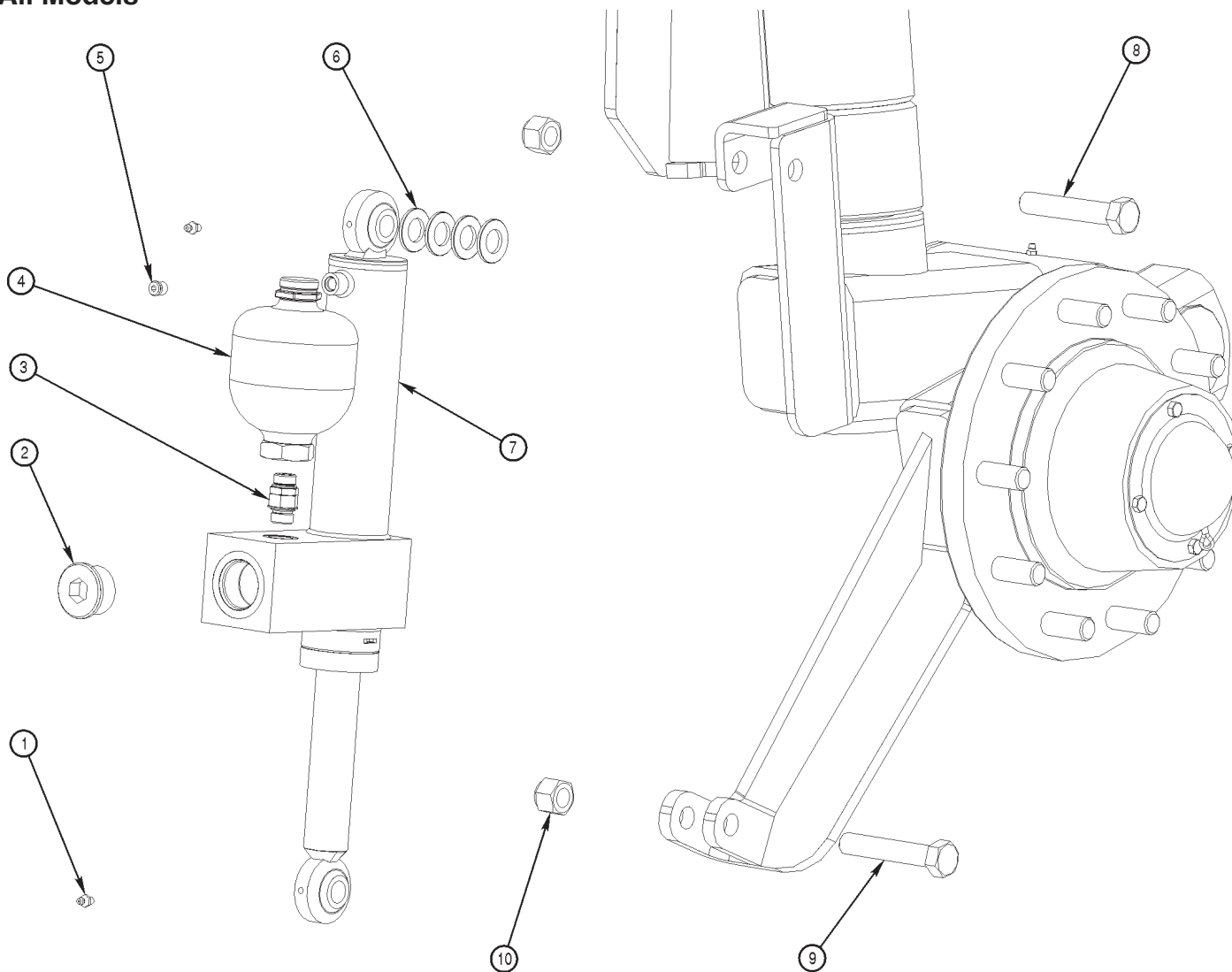




| Item | Part Number | Qty | Description                        | Comments                           |
|------|-------------|-----|------------------------------------|------------------------------------|
| 1    | 100106201   | 1   | King Pin, 3.00" R/H, HD            |                                    |
| 2    | 100106203   | 1   | Suspension Flex Outer R/H,         |                                    |
| 3    | 100105230   | 1   | Axle, Front Male R/H 50" CC        |                                    |
| 4    | 100200110   | 1   | Steering Arm, R/H                  |                                    |
| 5    | 100105225   | 1   | Axle, Front Center 120-160"        |                                    |
| 6A   | 100105243   | 2   | Washer, Bronze 3.5 x 5.0 x 0.19    |                                    |
| 6B   | 100105248   | 2   | Washer, Bronze 3.5 x 5.0 x 0.06    |                                    |
| 7    | 100105240   | 2   | Bushing, 3.50" Front Axle          |                                    |
| 8    | 901002090   | 12  | Nut, Jam 1"-8                      |                                    |
| 9    | 900007040   | 12  | Bolt, HHCS 1"-8 x 2 1/2"           |                                    |
| 10   | 900006640   | 4   | Bolt, HHCS 3/4-16 X 3 G5 ZP        |                                    |
| 11   | 901003075   | 4   | Nut, Nylock 3/4-16 ZP              |                                    |
| 12   | 915003010   | 10  | Zerk, 1/4-28 NPT Straight          |                                    |
| 13   | 900003270   | 4   | Bolt, HHCS 1/2-13 X 2"             |                                    |
| 14   | 100000317   | 4   | Locking Bar, 120"-160"             |                                    |
| 15   | 901003040   | 4   | Nut, Nylock 1/2"-13                |                                    |
| 16   | 100100288   | 4   | Bushing, 3 ID x 3 1/2 OD x 3 L     |                                    |
| 17   | 100200120   | 1   | Steering Arm, L/H                  |                                    |
| 18   | 925000200   | 2   | Key Stock 1/2 X 1/2 X 1 1/2 LG     |                                    |
| 19   | 100000400   | 2   | Retainer Cap, 3.5" x 0.5           |                                    |
| 20   | 902351000   | 2   | Washer, Lock 3/4"                  |                                    |
| 21   | 900011875   | 2   | Bolt, HHCS 3/4-16 X 2 1/2 G8 Z     |                                    |
| 22   | 904300207   | 4   | Cotter Pin, 5/32 X 2.00            |                                    |
| 23   | 901000001   | 4   | Nut, Castle 7/8-14                 |                                    |
| 24   | 100800800   | 2   | Tie Rod End, Female                |                                    |
| 25   | 850000129   | 2   | Cylinder, Steering Re-phasing      | Seal Kit P/N 850000132             |
| 26   | 800404215   | 4   | Fitting, 6 FLM X 6 ORM 90          |                                    |
| 27   | 100800810   | 2   | Tie Rod End, Male R/H Thread       |                                    |
| 28   | 901002105   | 2   | Nut, Jam 1 1/8-12 R/H Thread       |                                    |
| 29   | 100105231   | 1   | Axle, Front Male L/H 50" CC        |                                    |
| 30A  | 100105246   | 1   | Decal, Crop Width Indicator R/H    |                                    |
| 30B  | 100105247   | 1   | Decal, Crop Width Indicator L/H    |                                    |
| 31   | 100105245   | 2   | Bracket, Crop width Indicator      |                                    |
| 32   | 901003020   | 4   | Nut, Nylock 3/8-16                 |                                    |
| 33   | 900006604   | 4   | Bolt, HHCS 3/8-16 X 1 1/4          |                                    |
| 34   | 100105107   | 4   | Washer, Thrust Bronze 3 x 5        |                                    |
| 35   | 100200013   | 4   | Wear Pad, Male Slider              |                                    |
| 36   | 100200009   | 4   | Wear Pad, Under Wedge Block        | Manual Adjust and Adjust on the go |
| 37A  | 100105134   | 4   | Clamp Wedge Block casting          | Manual Adjust                      |
| 37B  | 100105144   | 4   | Clamp Wedge Block casting          | Adjust on the go                   |
| 38   | 100105244   | 4   | Clamp Plate, Threaded              |                                    |
| 39   | 900002600   | 8   | Bolt, HHCS 5/16-18 X 3/4 G5 ZP     |                                    |
| 40   | 100107019   | 2   | Cap, Hub HD                        | Gasket Included                    |
| 41   | 100106027   | 4   | Cotter Pin, Spindle                |                                    |
| 42   | 100106025   | 2   | Nut, Castle 1 1/4 spindle          |                                    |
| 43   | 100106016   | 4   | Washer, Flat 1 1/4                 |                                    |
| 44   | 100106077   | 2   | Bearing, Cone                      | Bearing                            |
| 45   | 100106076   | 2   | Bearing, Cup                       | Race                               |
| 46   | 100107022   | 2   | Hub Assembly, HD 15,000 lb         |                                    |
| 47   | 100106071   | 4   | Bearing, Cup                       | Race                               |
| 48   | 100106072   | 4   | Bearing, Cone                      | Bearing                            |
| 49   | 100106091   | 4   | Seal, Grease                       |                                    |
| 50   | 100106204   | 1   | Suspension Flex Outer L/H,         |                                    |
| 51   | 100106202   | 1   | King Pin, 3.00" L/H, HD            |                                    |
| 52   | 100106070   | 2   | Bearing, Cup                       | Race                               |
| 53   | 100106080   | 2   | Bearing, Cone                      | Bearing                            |
| 54   | 902003090   | 2   | Washer, Flat 1 1/4 ZP              |                                    |
| 55   | 901000004   | 2   | Nut, Castle, HD Inner Suspension   |                                    |
| 56   | 100107012   | 2   | Dust Cover, HD Outer Flex          |                                    |
| 57   | 900002395   | 6   | Bolt, HHCS 1/4-20 X 3/4 G5 ZP      |                                    |
|      |             |     |                                    |                                    |
|      | A00000079   |     | Kit, Adjustable Axle Steering Hose |                                    |

## Front Strut

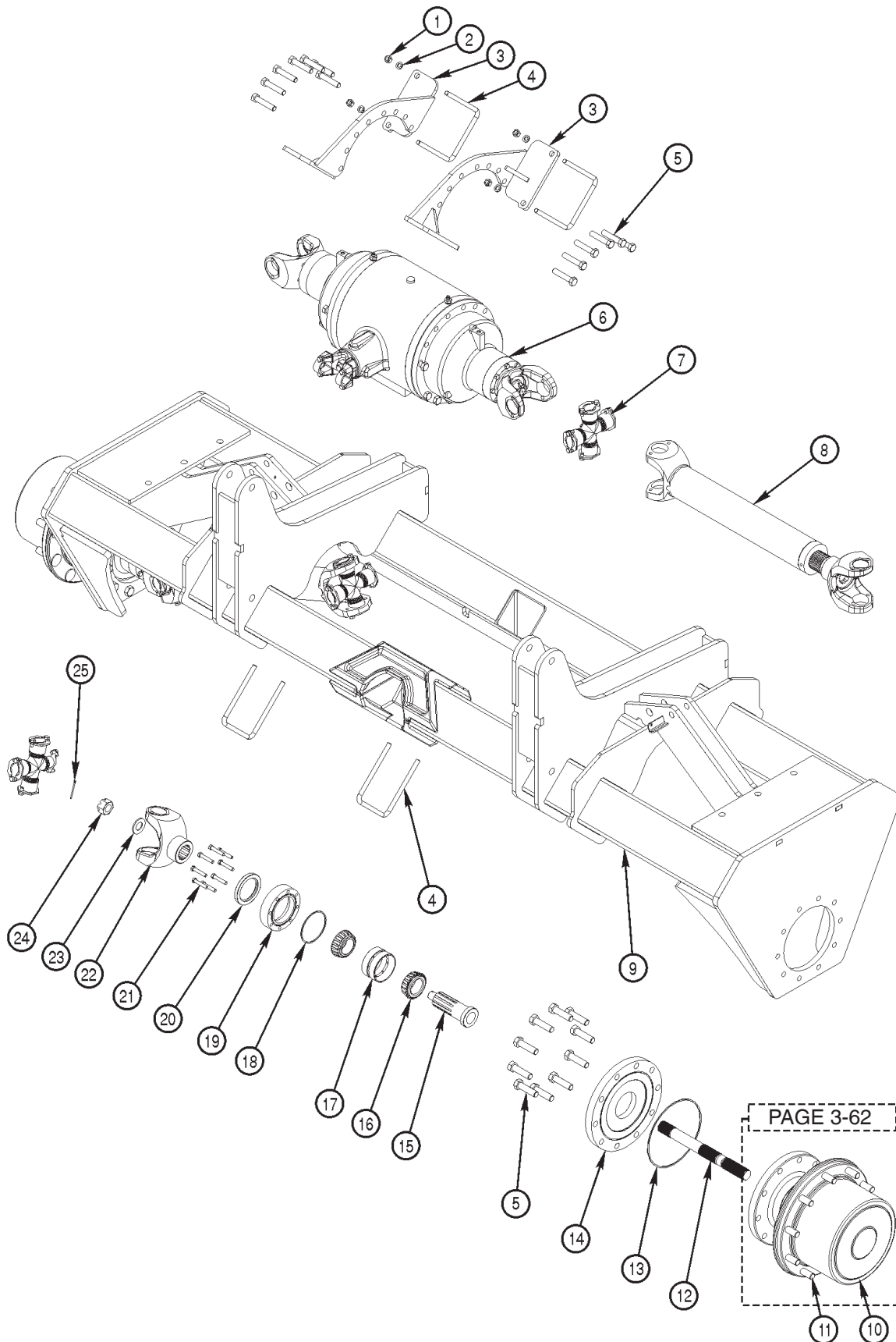
### All Models



| Item | Part Number | Qty | Description                              | Comments                                                                                        |
|------|-------------|-----|------------------------------------------|-------------------------------------------------------------------------------------------------|
| 1    | 915003010   | 2   | Zerk, 1/4-28 NPT Straight                |                                                                                                 |
| 2    | 800100622   | 1   | Plug, Front Suspension Block             |                                                                                                 |
| 3    | 800302140   | 1   | Fitting, 8 ORM x 8 ORM                   |                                                                                                 |
| 4    | 100106502   | 1   | Accumulator, Front Suspension            |                                                                                                 |
| 5    | 800000615   | 1   | Plug, 1/2"                               |                                                                                                 |
| 6    | 902003070   | 4   | Washer, Flat 3/4"                        |                                                                                                 |
| 7    | 100106514   | 1   | Strut, Front Assembly                    | Seal Kit 100106515.<br>AS720 Precharged at 800 psi.<br>AS1020 and AS1220 Precharged at 900 psi. |
| 8    | 900006655   | 1   | Bolt, HHCS 3/4-16 x 4" G5 ZP             |                                                                                                 |
| 9    | 900006645   | 1   | Bolt, HHCS 3/4-16 x 3 1/2" G5 ZP         |                                                                                                 |
| 10   | 901000780   | 2   | Nut, FHNT 3/4-16 G5 ZP                   |                                                                                                 |
|      |             |     |                                          |                                                                                                 |
|      | 100106520   | A/R | Rebuilt Strut, Front Assembly            |                                                                                                 |
|      | 100106517   | A/R | Shaft, With Rod-end, Front Strut         |                                                                                                 |
|      | 100106518   | A/R | Retaining Ring                           |                                                                                                 |
|      | 100106519   | A/R | Piston                                   |                                                                                                 |
|      | 100106521   | A/R | Wear Ring                                |                                                                                                 |
|      | 980000419   |     | Accumulator Gauge & Regulator Charge Kit | Allows charging of allen head style valves                                                      |
|      | 980000421   |     | Adapter, Gas Valve                       | Allows charging of European style valves                                                        |
|      | 980000064   |     | Low Profile Adapter                      |                                                                                                 |
|      | 550000000   |     | Accumulator Charge Kit                   | Allows charging of Schrader style valves                                                        |

# 120" Fixed Rear Axle 42" Crop Clearance

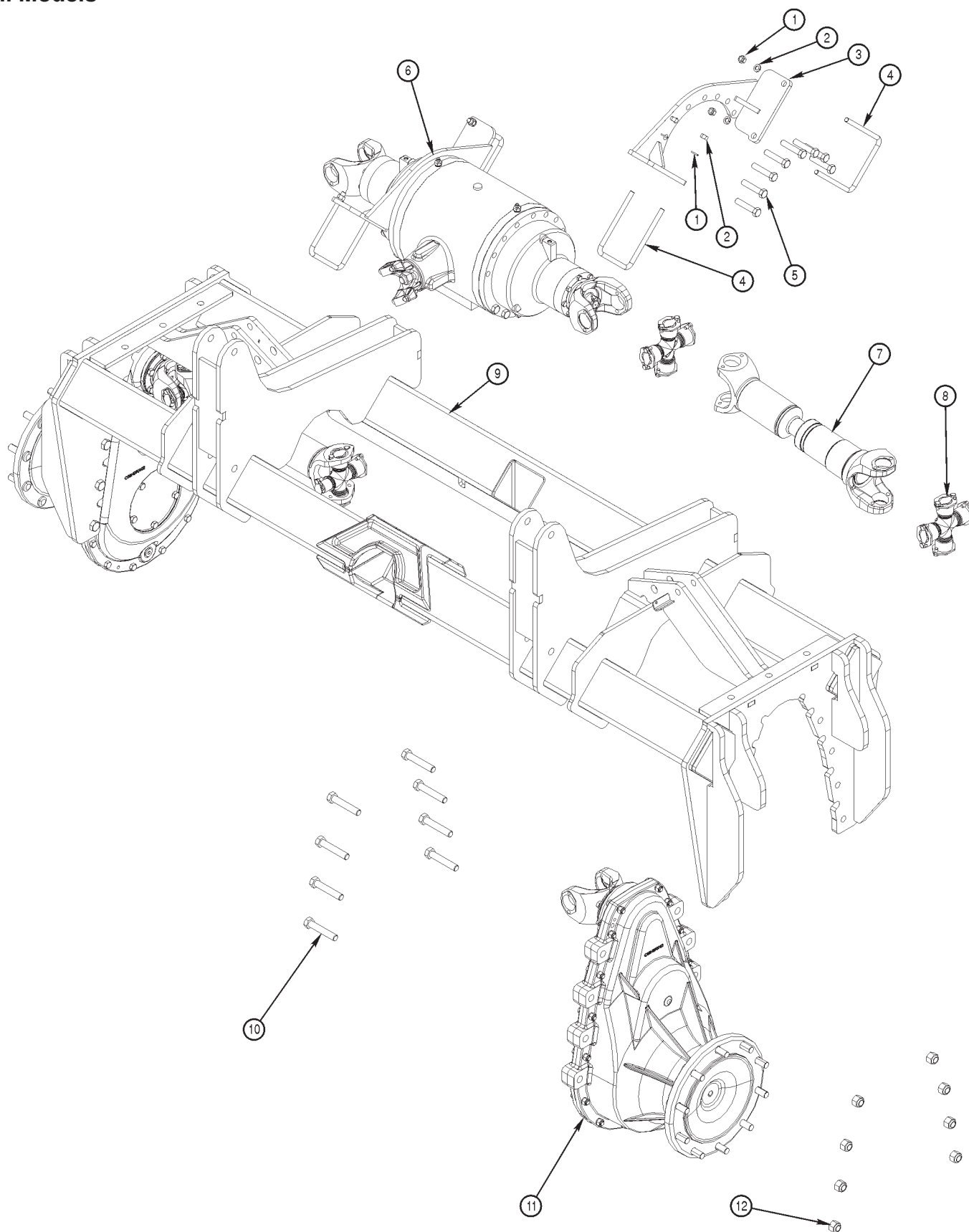
AS720, AS1020 and AS1025



| Item | Part Number | Qty | Description                     | Comments                             |
|------|-------------|-----|---------------------------------|--------------------------------------|
| 1    | 901003040   | 8   | Nut, Nylock 1/2-13              |                                      |
| 2    | 902003211   | 8   | Washer, Flat 1/2" Thick G8      |                                      |
| 3    | 100105120   | 2   | Support, Differential Center    |                                      |
| 4    | 915002562   | 4   | U-Bolt, 1/2" x 8"               |                                      |
| 5    | 900002359   | 36  | Bolt, HHCS M16-2.0 x 80 x 8.8   |                                      |
| 6A   | K65000044   | 1   | Rear Differential, Complete     | AS720                                |
| 6B   | 350000153   | 1   | Center Differential Only        | AS720                                |
| 6C   | K65000214   | 1   | Rear Differential, Complete     | AS1020, AS1025 and AS1220            |
| 6D   | 350000140   | 1   | Center Differential Only        | AS1020, AS1025 and AS1220            |
| 7    | 350000600   | 4   | Kit, Spicer U-Joint             | Includes caps bearings and bolts     |
| 8    | 351001013   | 2   | Drive Shaft, 120" Assembly      |                                      |
| 9    | 100105236   | 1   | Axle, Rear Fixed 42" CC         |                                      |
| 10   | 350000151   | 2   | Planetary Hub Assembly          |                                      |
| 11   | 350000190   | 20  | Stud, 3.25" Planetary           |                                      |
| 12   | 351000400   | 2   | Axle Shaft, Planetary Hub       | 14 1/4"                              |
| 13   | 351000706   | 2   | O-ring                          | Between planetary and yoke housing   |
| 14   | 351000900   | 2   | Outer Yoke Housing              |                                      |
| 15   | 351000800   | 4   | Internal/External Splined Shaft |                                      |
| 16   | 351000701   | 8   | Bearing Cone                    | Bearing                              |
| 17   | 351000702   | 4   | Bearing Cup                     | Race (double sided)                  |
| 18   | 351000704   | 4   | O-ring                          | Between Bearing Cap and Yoke Housing |
| 19   | 351000700   | 4   | Bearing Cap                     | Also houses oil seal                 |
| 20   | 351000703   | 4   | Oil Seal                        |                                      |
| 21   | 900005565   | 32  | Bolt, HHCS 3/8-24 x 2"          |                                      |
| 22   | 350000700   | 4   | End Yoke Splined                |                                      |
| 23   | 100106022   | 4   | Washer, Flat 1" 3/16" Thick G8  |                                      |
| 24   | 100106023   | 4   | Nut, Castle 1-14                |                                      |
| 25   | 100106021   | 4   | Cotter Pin, Spindle             |                                      |
|      |             |     |                                 |                                      |
|      | 301200060   | 2   | Breather, Extension Rear Axle   | Not shown                            |
|      | K65000056   |     | Assembly, Planetary Hub         | Complete Assembly                    |

# 120" Fixed Rear Axle 50" Crop Clearance

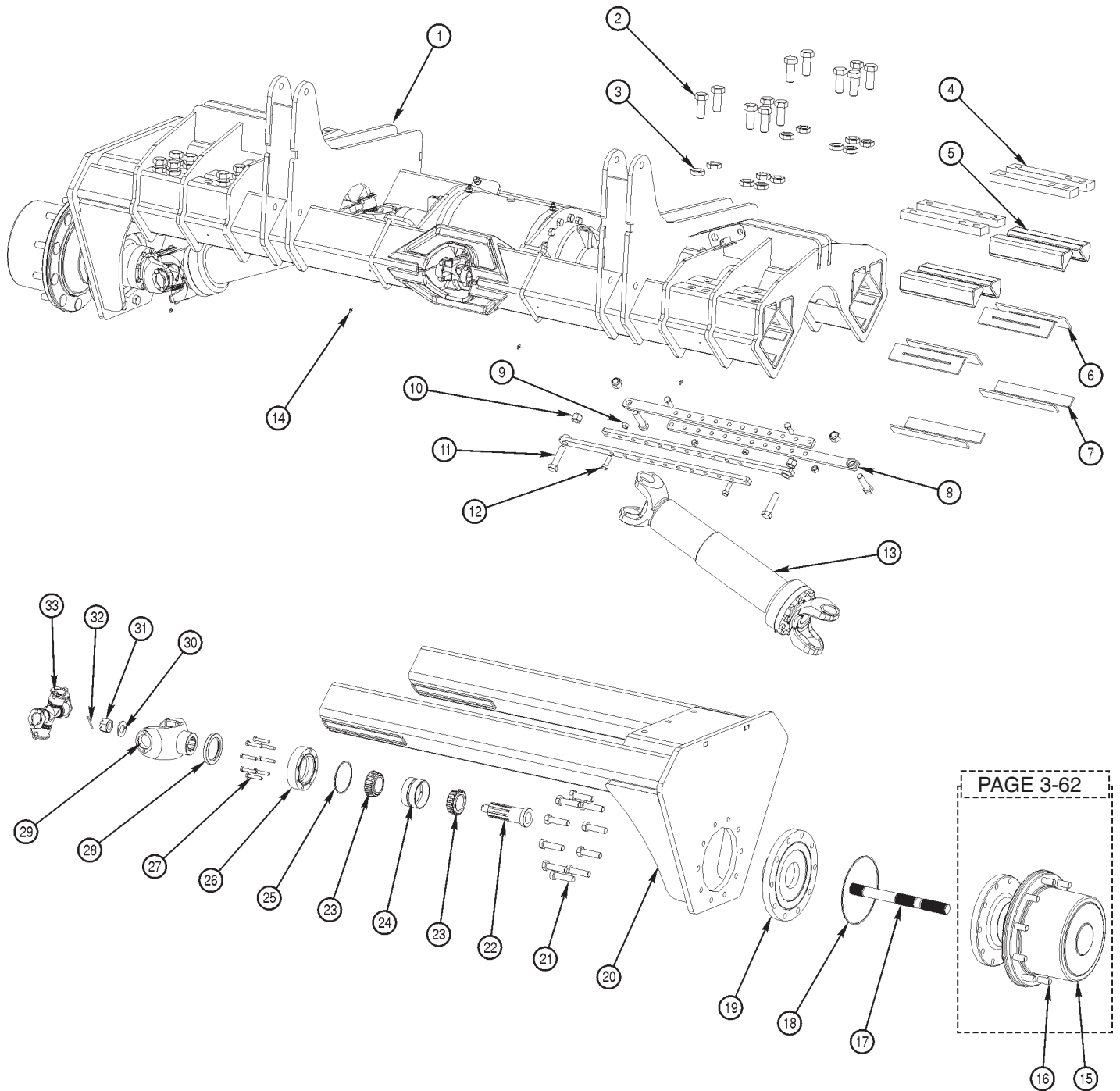
All Models



| Item | Part Number | Qty | Description                         | Comments                         |
|------|-------------|-----|-------------------------------------|----------------------------------|
| 1    | 901003040   | 8   | Nut, Nylock 1/2-13                  |                                  |
| 2    | 902003211   | 8   | Washer, Flat 1/2" Thick G8          |                                  |
| 3    | 100105120   | 2   | Support, Differential Center        |                                  |
| 4    | 915002562   | 4   | U-Bolt, 1/2" x 8"                   |                                  |
| 5    | 900002359   | 36  | Bolt, HHCS M16-2.0 x 80 x 8.8       |                                  |
| 6A   | K65000044   | 1   | Rear Differential, Complete         | AS720                            |
| 6B   | 350000153   | 1   | Center Differential Only            | AS720                            |
| 6C   | K65000214   | 1   | Rear Differential, Complete         | AS1020, AS1025 and AS1220        |
| 6D   | 350000140   | 1   | Center Differential Only            | AS1020, AS1025 and AS1220        |
| 7    | 351001016   | 2   | Driveshaft Assembly, 50"/120" Fixed |                                  |
| 8    | 350000600   | 4   | Kit, Spicer U-Joint                 | Includes caps bearings and bolts |
| 9    | 100105237   | 1   | Axle, Rear fixed 50" CC             |                                  |
| 10   | 900006655   | 16  | Bolt, HHCS 3/4-16 x 4 G5 ZP         |                                  |
| 11   | 350000170   | 2   | Drop Box Assembly 18" drop 200 HP   |                                  |
| 12   | 901003075   | 16  | Nut, Nylock 3/4-16 ZP               |                                  |
|      |             |     |                                     |                                  |
|      | 301200060   | 2   | Breather, Extension Rear Axle       | Not shown                        |

# 120 to 160" Adjustable Rear Axle 42" Crop Clearance

AS720, AS1020 and AS1025

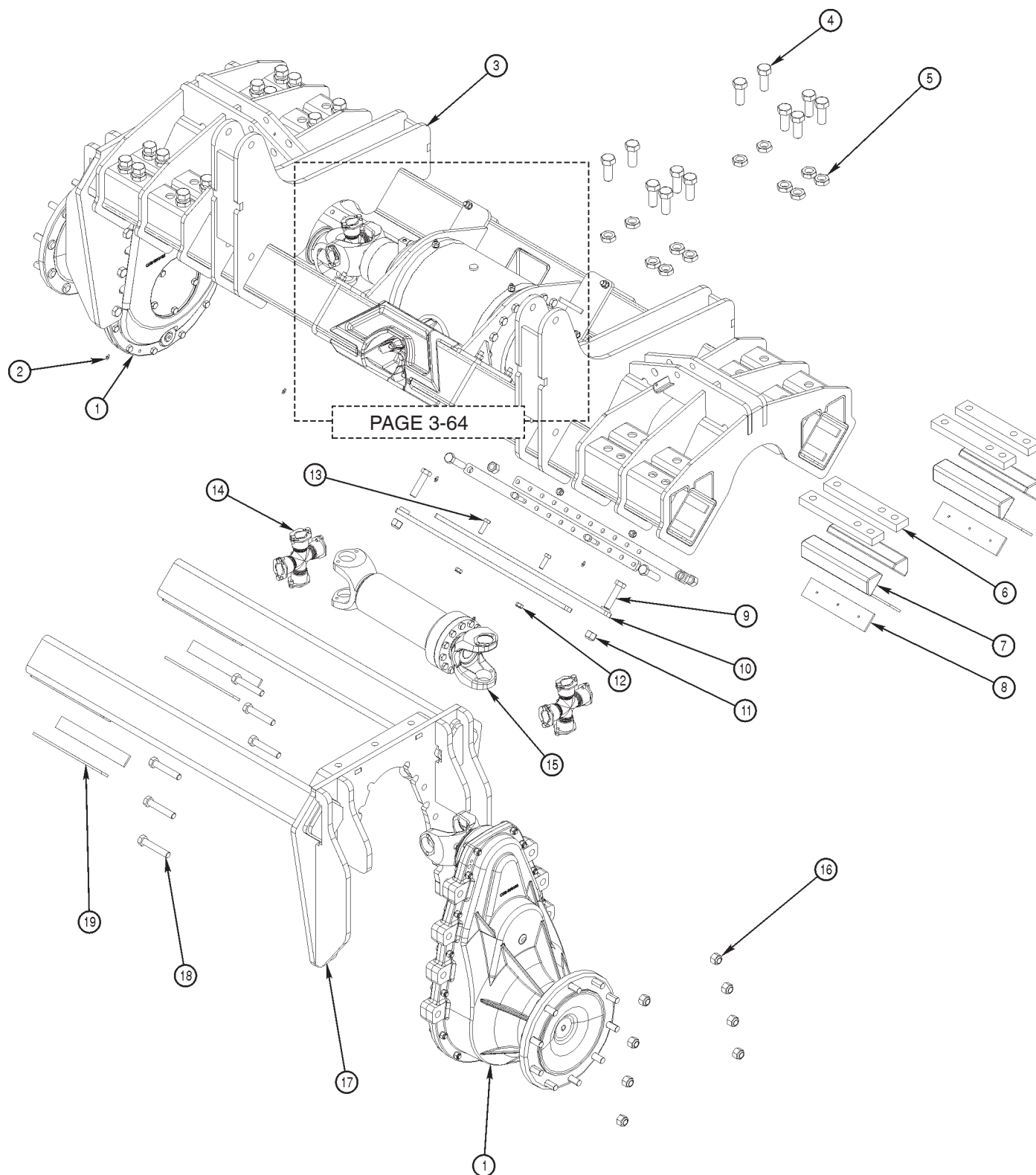




| Item | Part Number | Qty | Description                     | Comments                             |
|------|-------------|-----|---------------------------------|--------------------------------------|
| 1    | 100105221   | 1   | Axle, Rear Center 42" CC        |                                      |
| 2    | 900007040   | 24  | Bolt, HHCS 1"-8 x 2 1/2"        |                                      |
| 3    | 901002090   | 24  | Nut, Jam 1"-8                   |                                      |
| 4    | 100105244   | 12  | Clamp Plate, Threaded           |                                      |
| 5A   | 100105134   | 8   | Clamp Wedge Block casting       | Manual Adjust                        |
| 5B   | 100105144   | 8   | Clamp Wedge Block casting       | Adjust on the go                     |
| 6    | 100200009   | 8   | Wear Pad, Under Wedge Block     | Manual Adjust and Adjust on the go   |
| 7    | 100200013   | 8   | Wear Pad, Male Slider           |                                      |
| 8    | 100000317   | 4   | Locking Bar, 120"-160"          |                                      |
| 9    | 901003040   | 4   | Nut, Nylock 1/2"-13             |                                      |
| 10   | 901003075   | 4   | Nut, Nylock 3/4-16 ZP           |                                      |
| 11   | 900006640   | 4   | Bolt, HHCS 3/4-16 x 3 G5 ZP     |                                      |
| 12   | 900003270   | 4   | Bolt, HHCS 1/2-13 x 2"          |                                      |
| 13   | 351001017   | 2   | Drive shaft, 120" - 160" 42" CC |                                      |
| 14   | 915003010   | 8   | Zerk, 1/4-28 NPT Straight       |                                      |
| 15   | 350000151   | 2   | Planetary Hub Assembly          |                                      |
| 16   | 350000190   | 20  | Stud, 3.25" Planetary           |                                      |
| 17   | 351000400   | 2   | Axle Shaft, Planetary Hub       | 14 1/4"                              |
| 18   | 351000706   | 2   | O-ring                          | Between planetary and yoke housing   |
| 19   | 351000900   | 2   | Outer Yoke Housing              |                                      |
| 20   | 100105223   | 2   | Axle, Rear Male 42" CC          |                                      |
| 21   | 900002359   | 20  | Bolt, HHCS M16-2.0 x 80 x 8.8   |                                      |
| 22   | 351000800   | 4   | Internal/External Splined Shaft |                                      |
| 23   | 351000701   | 4   | Bearing Cone                    | Bearing                              |
| 24   | 351000702   | 2   | Bearing Cup                     | Race (double sided)                  |
| 25   | 351000704   | 4   | O-ring                          | Between Bearing Cap and Yoke Housing |
| 26   | 351000700   | 4   | Bearing Cap                     | Also houses oil seal                 |
| 27   | 900005565   | 16  | Bolt, HHCS 3/8-24 x 2"          |                                      |
| 28   | 351000703   | 2   | Oil Seal                        |                                      |
| 29   | 350000700   | 4   | End Yoke Splined                |                                      |
| 30   | 100106022   | 4   | Washer, Flat 1" 3/16" Thick G8  |                                      |
| 31   | 100106023   | 2   | Nut, Castle 1-14                |                                      |
| 32   | 100106021   | 2   | Cotter Pin, Spindle             |                                      |
| 33   | 350000600   | 4   | Kit, Spicer U-Joint             | Includes caps bearings and bolts     |
|      | K65000056   |     | Assembly, Planetary Hub         | Complete Assembly                    |

# 120 to 160" Adjustable Rear Axle 50" Crop Clearance

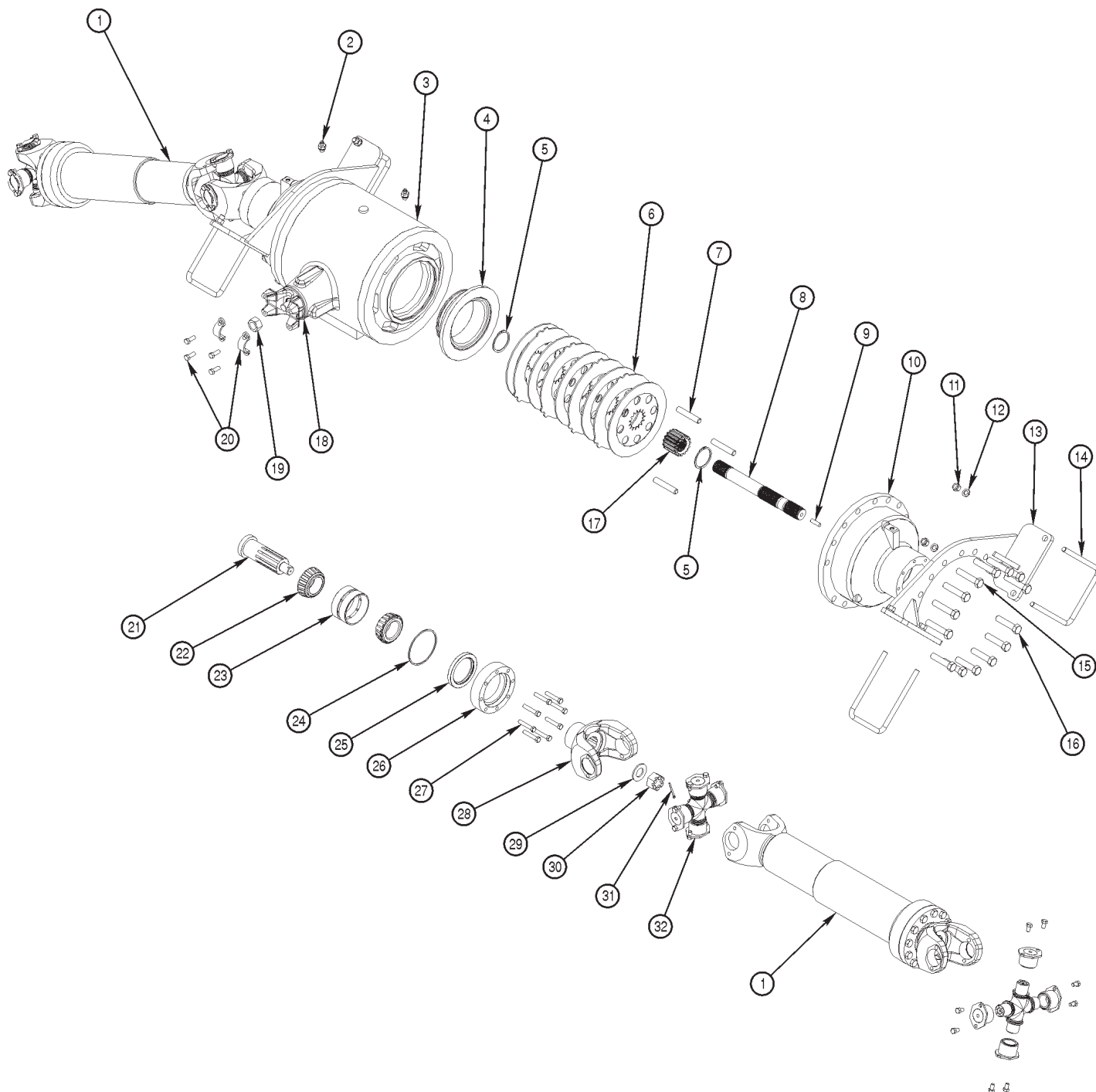
All Models



| Item | Part Number | Qty | Description                     | Comments                           |
|------|-------------|-----|---------------------------------|------------------------------------|
| 1    | 350000170   | 2   | Drop Box assembly               | 50" CC Machines                    |
| 2    | 915003010   | 8   | Zerk, 1/4-28 NPT Straight       |                                    |
| 3    | 100105221   | 1   | Axle, Rear Center 50" CC        |                                    |
| 4    | 900007040   | 24  | Bolt, HHCS 1"-8 x 2 1/2"        |                                    |
| 5    | 901002090   | 24  | Nut, Jam 1"-8                   |                                    |
| 6    | 100105244   | 8   | Clamp Plate, Threaded           |                                    |
| 7A   | 100105134   | 8   | Clamp Wedge Block casting       | Manual Adjust                      |
| 7B   | 100105144   | 8   | Clamp Wedge Block casting       | Adjust on the go                   |
| 8    | 100200009   | 8   | Wear Pad, Under Wedge Block     | Manual Adjust and Adjust on the go |
| 9    | 900006640   | 4   | Bolt, HHCS 3/4-16 x 3 G5 ZP     |                                    |
| 10   | 100000317   | 4   | Locking Bar, 120"-160"          |                                    |
| 11   | 901003075   | 4   | Nut, Nylock 3/4-16 ZP           |                                    |
| 12   | 901003040   | 4   | Nut, Nylock 1/2"-13             |                                    |
| 13   | 900003270   | 4   | Bolt, HHCS 1/2-13 x 2"          |                                    |
| 14   | 350000600   | 4   | Kit, Spicer U-Joint             | Includes caps bearings and bolts   |
| 15   | 351001018   | 2   | Drive shaft, 120" - 160" 50" CC |                                    |
| 16   | 901003075   | 8   | Nut, Nylock 3/4-16 ZP           |                                    |
| 17   | 100105224   | 2   | Axle, Rear Male 50" CC          |                                    |
| 18   | 900006655   | 8   | Bolt, HHCS 3/4-16 x 4 G5 ZP     |                                    |
| 19   | 100200013   | 8   | Wear Pad, Male Slider           |                                    |

# Rear Differential with Adjustable Drive Shaft

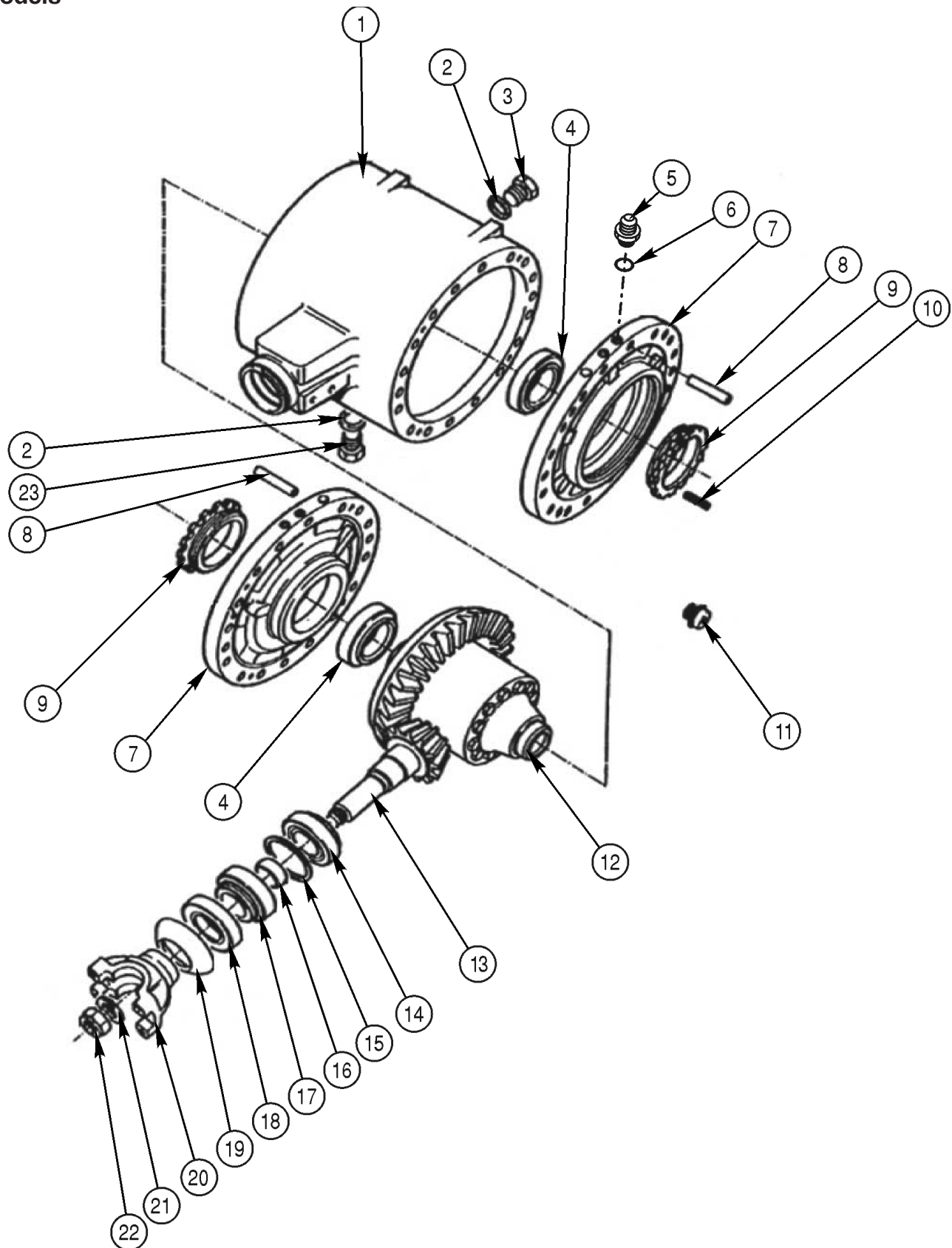
All Models



| Item | Part Number | Qty | Description                                     | Comments                                                |
|------|-------------|-----|-------------------------------------------------|---------------------------------------------------------|
| 1A   | 351001013   | 2   | Driveshaft, 42" CC Fixed                        | AS720, AS1020 and AS1025                                |
| 1B   | 351001016   | 2   | Driveshaft, 50" CC Fixed                        | All Models                                              |
| 1C   | 351001017   | 2   | Driveshaft, 42" CC 120-160                      | AS720, AS1020 and AS1025                                |
| 1D   | 351001018   | 2   | Driveshaft, 50" CC 120-160                      | All Models                                              |
| 2    | 800302172   | 2   | Fitting, Brake line 4 FLM x 12 mm               | Washer, O-ring for fitting 800403954                    |
| 3    | 350000153   | 1   | Center Differential Only                        | AS720                                                   |
| 3A   | 350000140   | 1   | Center Differential Only                        | AS1020, AS1025 and AS1220                               |
| 4    | 301200256   | 2   | Piston, Brake JCB Rear Differential             | Seals for piston 301200250 (large) 301200251 (small)    |
| 5    | 301200345   | 4   | Circlip, External                               |                                                         |
| 6A   | 350000155   | 2   | Brake Kit                                       | Includes Carrier, Circlips, friction and counter plates |
| 6B   | 300000718   | 12  | Counter Plate, Brake                            | Included in Brake kit                                   |
| 6C   | 300000719   | 10  | Friction Plate, Brake                           | Included in Brake kit                                   |
| 7    | 301200325   | 6   | Reaction Pin                                    |                                                         |
| 8    | 351000401   | 2   | Axle, Splined Shaft, Differential               | 12-3/4"                                                 |
| 9    | 904303010   | 2   | Dowel Pin 3/8 x 1 1/4                           | Used in end of axle shaft                               |
| 10   | 351000601   | 2   | Brake Housing                                   |                                                         |
| 11   | 901003040   | 8   | Nut, Nylock 1/2-13                              |                                                         |
| 12   | 902201100   | 8   | Washer, Lock 1/2                                |                                                         |
| 13   | 100105120   | 2   | Support, Differential                           |                                                         |
| 14   | 915002562   | 4   | Axle U-Bolt 1/2-13 x 8                          |                                                         |
| 15   | 900002359   | 16  | Bolt, M16 x 2.0 x 80 Grade 8.8                  | Through differential support and brake housing          |
| 16   | 900002358   | 12  | Bolt, M16 x 2.0 x 70 Grade 8.8                  | Through brake housing and into differential only        |
| 17   | 301200340   | 2   | Carrier, Brake Plate                            |                                                         |
| 18   | 301200210   | 1   | Yoke, Rear Axle pinion                          | M30                                                     |
| 19   | 301200316   | 1   | Stake Nut, Rear Pinion                          | M30                                                     |
| 20   | 301100200   | 1   | U-Strap Kit                                     | 301100300 U-Joint                                       |
| 21   | 351000800   | 2   | Internal/External Splined Shaft                 |                                                         |
| 22   | 351000701   | 4   | Bearing                                         |                                                         |
| 23   | 351000702   | 2   | Race                                            | Holds 2 of 351000701                                    |
| 24   | 351000704   | 2   | O-ring                                          | Used behind bearing cap                                 |
| 25   | 351000703   | 2   | Oil Seal                                        |                                                         |
| 26   | 351000700   | 4   | Cap, Bearing                                    |                                                         |
| 27   | 900005565   | 16  | Bolt, HHCS 3/8-24 x 2"                          |                                                         |
| 28   | 350000700   | 2   | Yoke, Splined                                   |                                                         |
| 29   | 100106022   | 2   | Washer, 3/16" Thick Spindle                     |                                                         |
| 30   | 100106023   | 2   | Nut, Castle 1-14                                |                                                         |
| 31   | 100106021   | 2   | Cotter Pin                                      |                                                         |
| 32   | 350000600   | 4   | U-Joint Kit                                     |                                                         |
|      |             |     |                                                 |                                                         |
|      | 301200060   | 2   | Breather, Extension Rear Axle                   | Not shown                                               |
|      | K65000044   |     | Rear Differential Complete                      | AS720                                                   |
|      | K65000214   |     | Rear Differential Complete                      | AS1020 and AS1220                                       |
|      | 350100000   |     | Differential Additive, Lucas Anti-Squawk, 16 oz | Not shown                                               |

# Differential

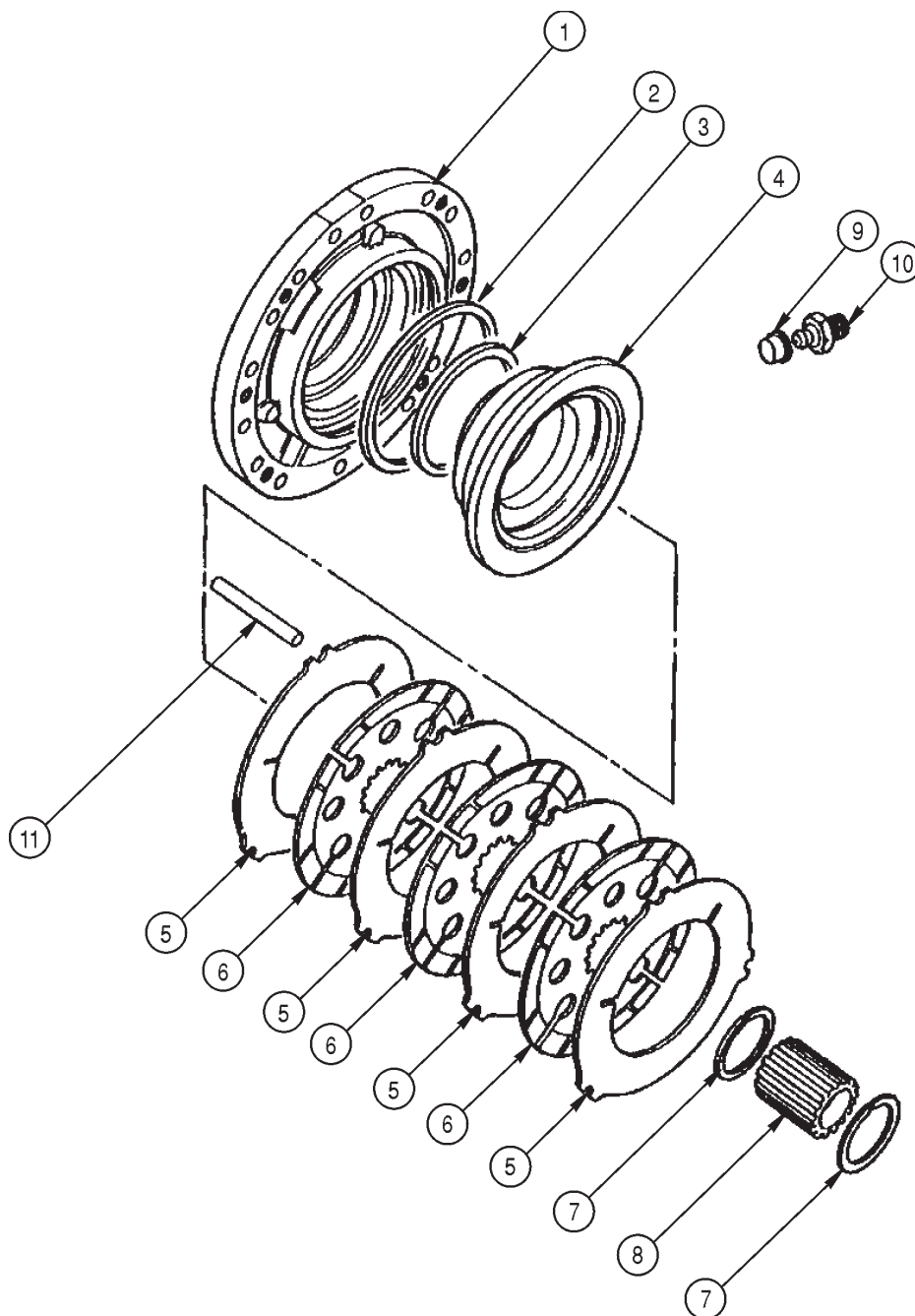
## All Models



| Item | Part Number | Qty | Description                                 | Comments                                                 |
|------|-------------|-----|---------------------------------------------|----------------------------------------------------------|
| 1    | 301200255   | 1   | Casing Differential JCB                     |                                                          |
| 2    | 301200240   | 2   | Seal, Bonded 3/4" BSP                       |                                                          |
| 3    | 301200235   | 1   | Plug, Filler                                |                                                          |
| 4    | 301200295   | 2   | Bearing, Taper Roller                       |                                                          |
| 5    | 800302172   | 2   | Fitting, Brake Line 4 FLM x 12 mm           | Fitting for the brake hose that runs from hard lines     |
| 6    | 800403954   | 2   | O-ring, Brake Line Fitting                  |                                                          |
| 7    | 300000717   | 2   | Housing, Brake Piston                       |                                                          |
| 8    | 300000728   | 4   | Dowel                                       |                                                          |
| 9    | 300000729   | 2   | Nut, Side Differential                      |                                                          |
| 10   | 300000730   | 2   | Pin, Tension                                |                                                          |
| 11   | 300000731   | 8   | Capscrew                                    |                                                          |
| 12   | 300000721   | 1   | Inner Differential, Limited Slip Assembly.  |                                                          |
| 13   | 350000051   | 1   | Crown and Pinion for Low Speed Differential | Includes: Crown Wheel, Pinion, Input Yoke, M30 Stake Nut |
| 14   | 301200300   | 1   | Bearing, Inner Pinion                       |                                                          |
| 15   | 301200305   | 1   | Shim Kit                                    |                                                          |
| 16   | 301200190   | 1   | Spacer, Collapsible                         | Solid Spacers also available but require special tool    |
| 17   | 301200195   | 1   | Bearing, Taper Roller, Outer Pinion         |                                                          |
| 18   | 301200200   | 1   | Seal, Pinion                                |                                                          |
| 19   | N/A         | 1   | Cap                                         | No longer used, Incorporated into the Yoke               |
| 20   | 301200210   |     | Yoke, Pinion, M30                           | Fits larger pinion                                       |
| 21   | NSS         | 1   | Washer                                      | Included with the Stake Nut, One Part                    |
| 22   | 301200316   |     | Nut, Stake and Washer, M30                  | Fits larger pinion                                       |
| 23   | 301200245   | 1   | Plug, Magnetic Drain, 3/4" BSP              |                                                          |

# Differential Brake Assembly

## All Models

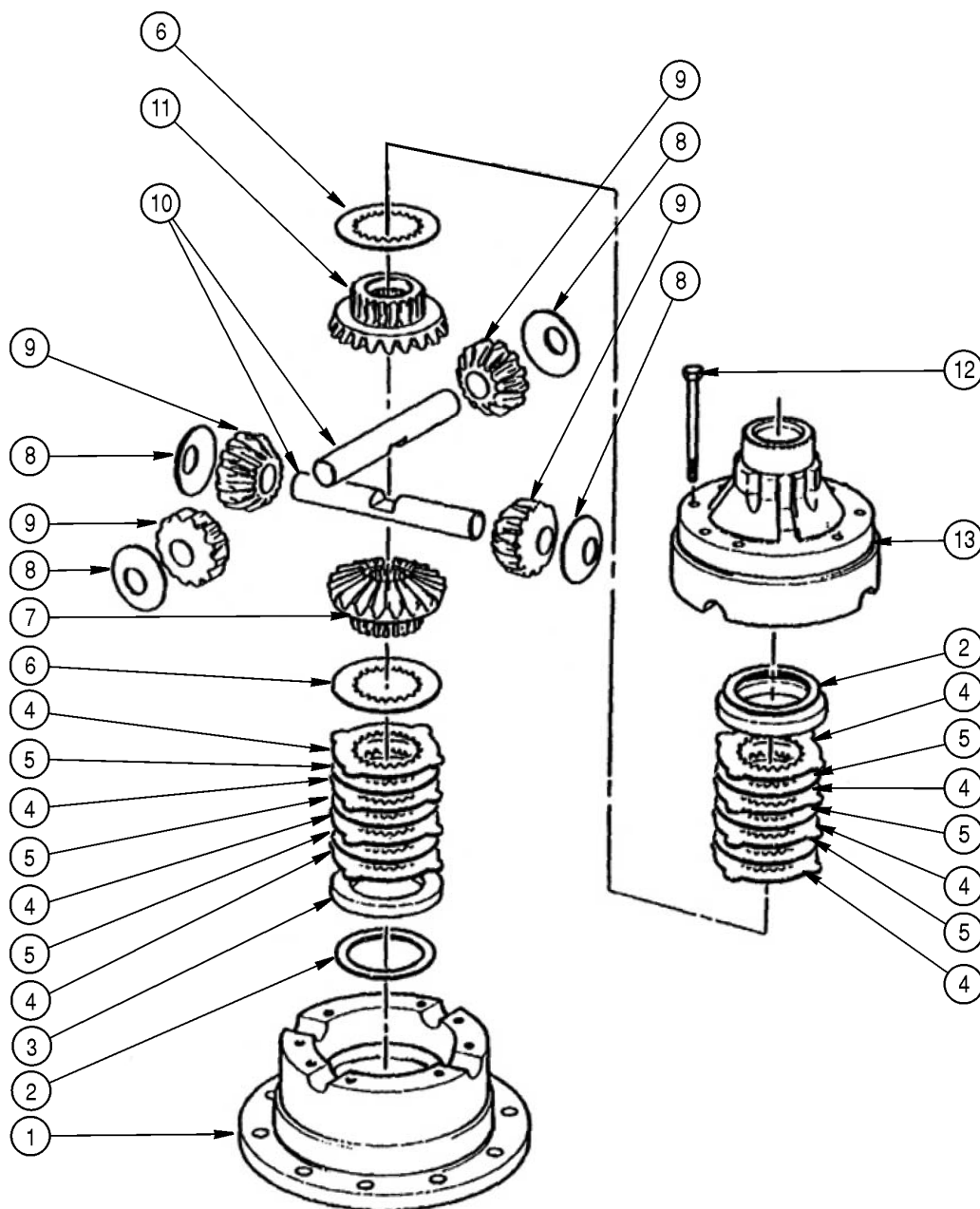


| Item | Part Number | Qty | Description                     | Comments                               |
|------|-------------|-----|---------------------------------|----------------------------------------|
| 1    | 300000717   | 2   | Housing, Brake Piston           |                                        |
| 2    | 301200250   | 2   | Seal, Brake Piston JCB Large    |                                        |
| 3    | 301200251   | 2   | Seal, Brake Piston JCB Small    |                                        |
| 4    | 301200256   | 2   | Piston, Brake                   |                                        |
| 5    | 300000718   | 12  | Counter Plate, Brake            | Included in Brake Kit                  |
| 6    | 300000719   | 10  | Friction Plate, Brake           | Included in Brake Kit                  |
| 7    | 301200345   | 4   | Circlip, External               | Included in Brake Kit                  |
| 8    | 301200340   | 2   | Carrier, Brake Plate            | Included in Brake Kit                  |
| 9    | 301200355   | 2   | Cap                             |                                        |
| 10   | 301200021   | 2   | Nipple, Bleed                   |                                        |
| 11   | 301200325   | 6   | Pin, Reaction                   |                                        |
|      | 350000155   | 2   | Brake Kit, Two per Differential | Includes plates, carrier, and circlips |



## Differential (Limited Slip)

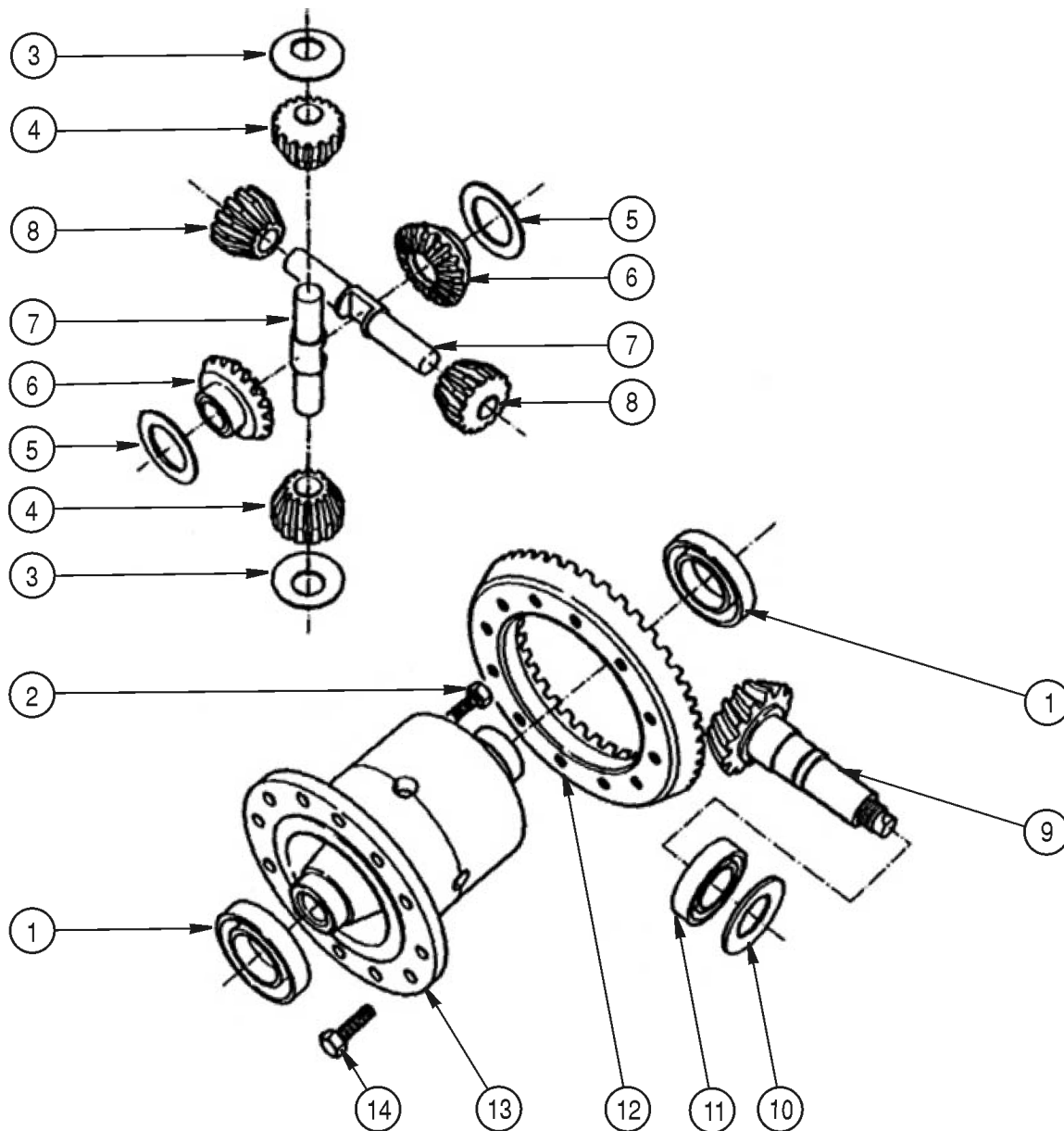
### All Models



| Item | Part Number | Qty | Description             | Comments                                     |
|------|-------------|-----|-------------------------|----------------------------------------------|
| 1    | 301200365   | 1   | Casing, Limited Slip    |                                              |
| 2    | 301200385   | 2   | Shim, Kit               |                                              |
| 3    | 301200410   | 4   | Spacer                  |                                              |
| 4    | 301200380   | 6   | Plate, Counter          |                                              |
| 5    | 301200375   | 4   | Plate, Friction         |                                              |
| 6    | 301200370   | 2   | Plate, Pressure         |                                              |
| 7    | 301200405   | 1   | Gear, Set, Differential | Includes all of the Limited Slip Gears       |
| 8    | 301200280   | 4   | Washer, Thrust, Pinion  |                                              |
| 9    | NSS         | 4   | Gear                    | Sold only as a Set, Included with 301200405  |
| 10   | 301200395   | 2   | Pin, Trunnion           |                                              |
| 11   | NSS         | 2   | Gear                    | Sold only as a Set, Included with 301200405  |
| 12   | 301200247   | 8   | Bolt, M10 x 80          |                                              |
| 13   | NSS         | 1   | Casing, Limited Slip    | Only sold as a set with both halves together |
|      | 300000721   | 1   | Assembly, Limited Slip  | Includes everything shown on this page       |

# Differential Input

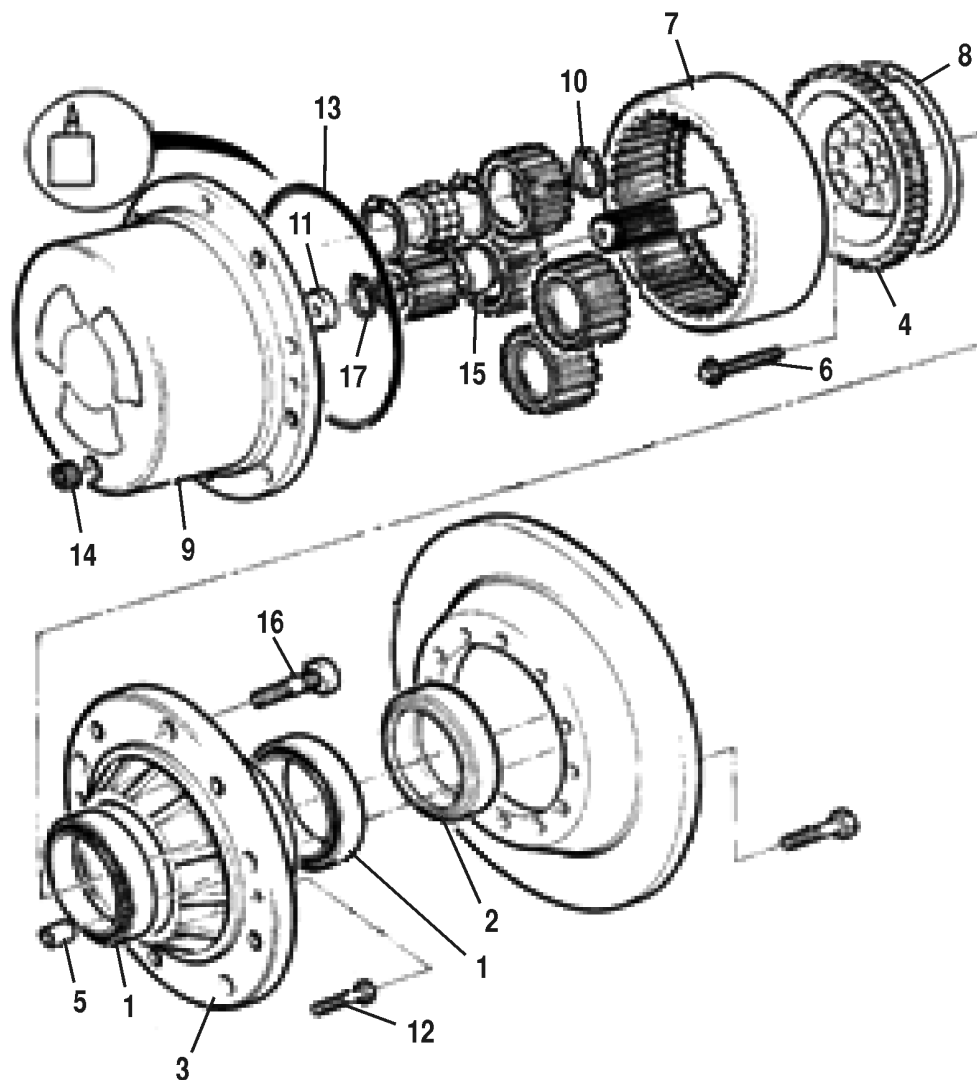
## All Models



| Item | Part Number | Qty | Description                               | Comments                                                |
|------|-------------|-----|-------------------------------------------|---------------------------------------------------------|
| 1    | 301200295   | 2   | Bearing, Taper Roller                     |                                                         |
| 2    | 301200247   | 8   | Bolt, M10 x 80                            |                                                         |
| 3    | 301200280   | 4   | Washer, Thrust, Pinion                    |                                                         |
| 4    | 301200405   | 1   | Gear, Set, Differential                   | Includes all of the Internal gears for the limited slip |
| 5    | 301200370   | 2   | Plate, Pressure                           |                                                         |
| 6    | NSS         | 2   | Gear                                      | Sold with gear set 301200405                            |
| 7    | 301200395   | 2   | Pin, Trunnion                             |                                                         |
| 8    | NSS         | 4   | Gear                                      | Sold with gear set 301200405                            |
| 9    | 301200285   | 1   | Crown Wheel and Pinion, 11T/37T           | Used in Low Speed Differential on 170HP and lower       |
| 10   | 301200305   | 1   | Shim Kit                                  |                                                         |
| 11   | 301200300   | 1   | Bearing, Inner Pinion                     |                                                         |
| 12   | NSS         | 1   | Crown                                     | Only sold with Pinion as an Assembly                    |
| 13   | 300000721   | 1   | Inner Differential, Limited Slip Assembly |                                                         |
| 14   | 300000406   | 12  | Bolt                                      | Connects the Crown Wheel Limited Slip Assembly          |

# Planetary Hub

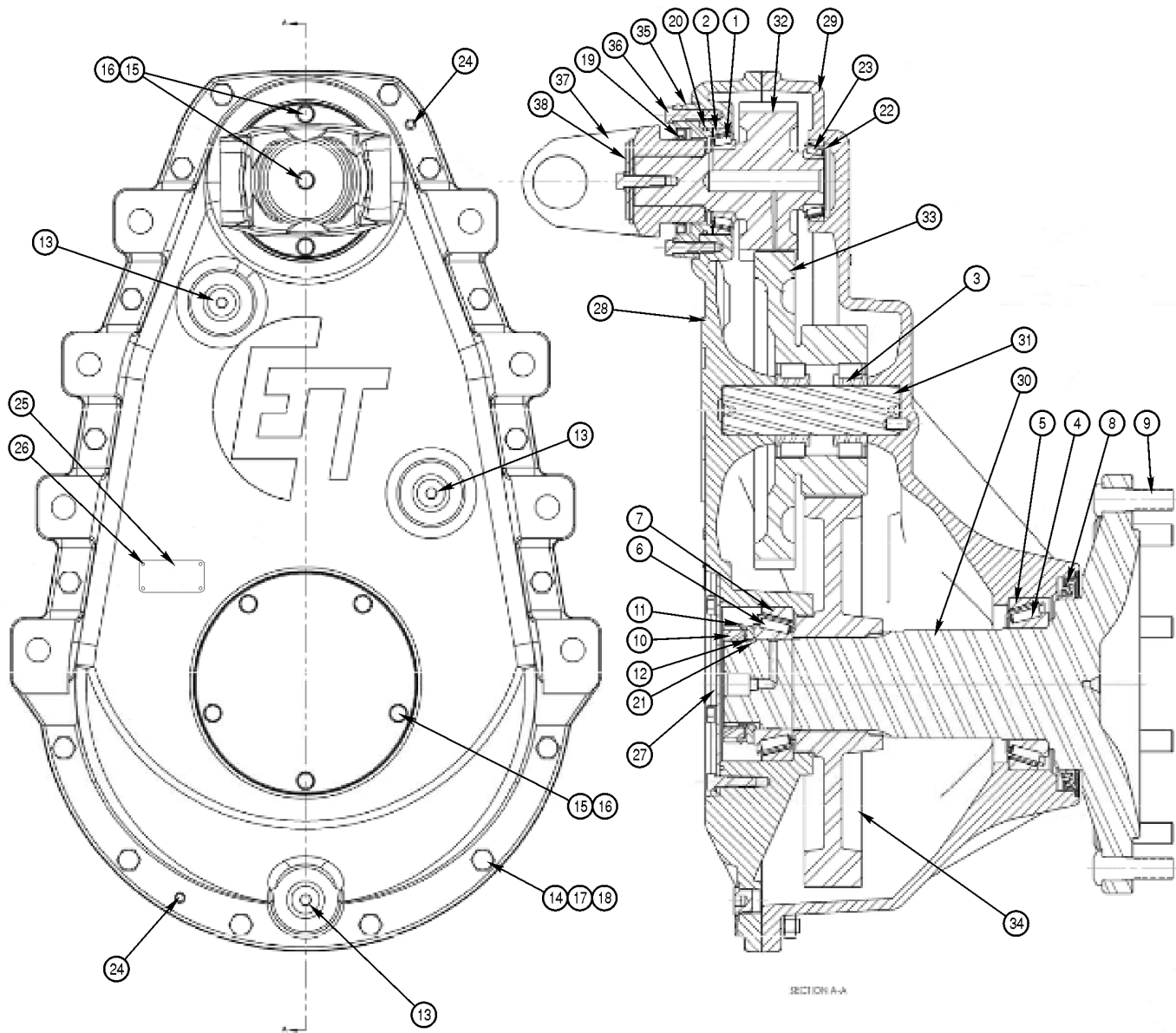
## All Models



| Item | Part Number | Qty | Description                       | Comments                         |
|------|-------------|-----|-----------------------------------|----------------------------------|
| 1    | 301200150   | 2   | Bearing                           |                                  |
| 2    | 301200140   | 1   | Seal - Cassette                   |                                  |
| 3    | 301200057   | 1   | Carrier, Wheel Bearing            |                                  |
| 4    | 301200064   | 1   | Carrier, Annulus                  |                                  |
| 5    | 301200055   | 8   | Dowel, Hollow                     |                                  |
| 6    | 301200420   | 8   | Bolt, M14 x 70mm long             |                                  |
| 7    | 301200061   | 1   | Gear, Annulus Ring                |                                  |
| 8    | 301200095   | 1   | Circlip, Internal Square Section  |                                  |
| 9    | 301200058   | 1   | Carrier, Planetary Hub            |                                  |
| 10   | 301200010   | 4   | Circlip                           |                                  |
| 11   | 301200030   | 1   | Pad, Thrust                       |                                  |
| 12   | 301200415   | 2   | Bolt, Coated                      |                                  |
| 13   | 301200135   | 1   | O-Ring                            |                                  |
| 14   | 301200111   | 1   | Plug, Magnetic, M22 10mm Drive    |                                  |
| 15   | 301200025   | 4   | Gear, Planet and Bearing Assembly |                                  |
| 16   | 350000190   | 10  | Stud, 3.25", PD70 Hub             |                                  |
| 17   | 301200031   | 1   | Circlip, External                 |                                  |
|      | 350000151   |     | Planetary Hub                     |                                  |
|      | K65000056   |     | Planetary Hub, Complete           | All components back to the yoke. |
|      | N/A         | 1   | Grease, High Pressure             |                                  |

# Fairfield Drop Box

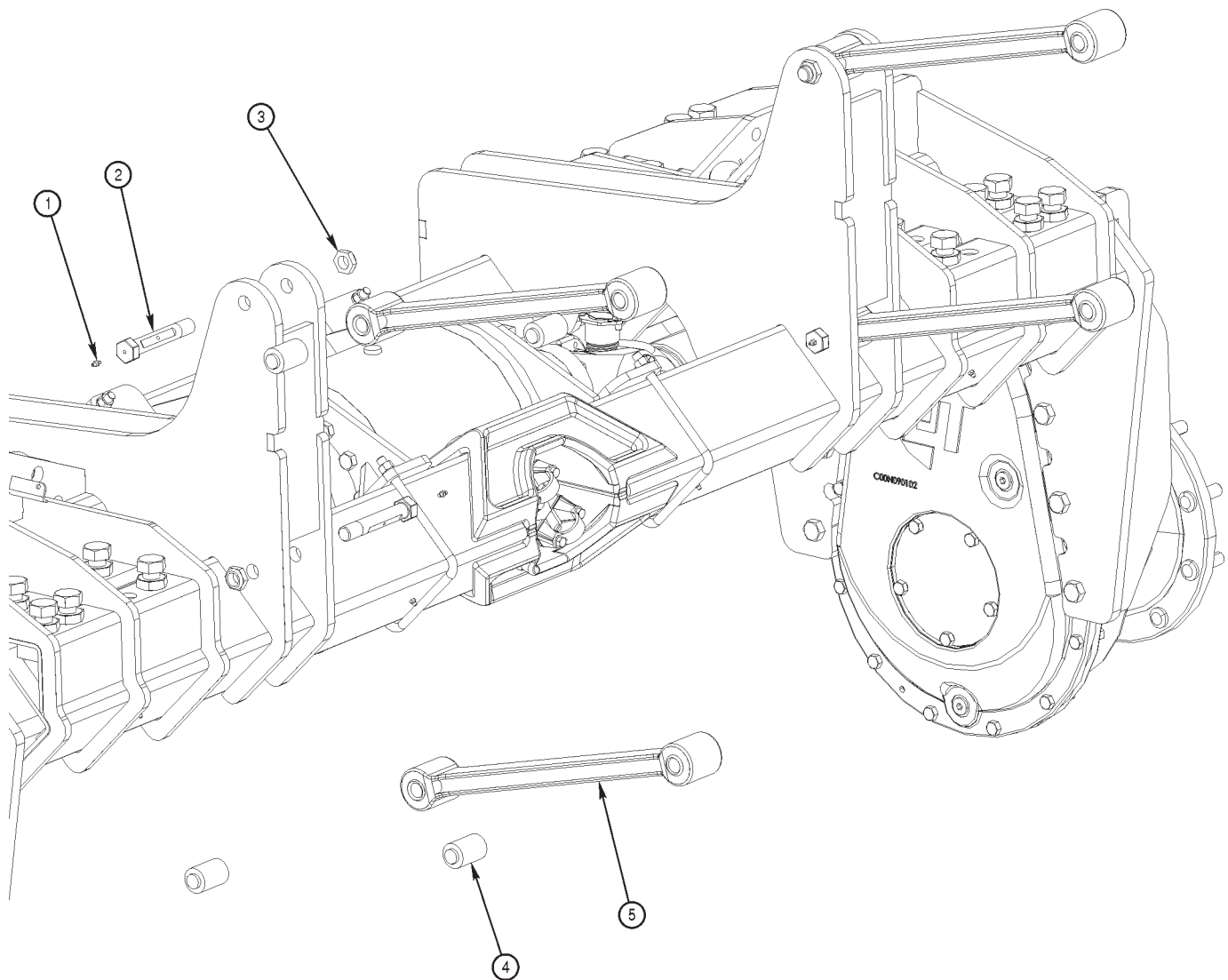
## All Models



| Item | Part Number | Qty | Description                           | Comments |
|------|-------------|-----|---------------------------------------|----------|
| 1    | 100106080   | 1   | Cone, Bearing                         |          |
| 2    | 100106070   | 1   | Cup, Bearing                          |          |
| 3    | 350000076   | 2   | Bearing, Roller MU7309L W/O RG        |          |
| 4    | 350000070   | 1   | Bearing, Tapered Cone 52400           |          |
| 5    | 350000069   | 1   | Bearing, Tapered Cup 52618            |          |
| 6    | 350000075   | 1   | Bearing, Tapered Cone 580             |          |
| 7    | 350000074   | 1   | Bearing, Tapered Cup 572              |          |
| 8    | 980000009   | 1   | Drop Box FF Seal Lip 155mm            |          |
| 9    | 350000188   | 10  | Stud, 3.88" Drop box                  |          |
| 10   | 350000175   | 1   | Nut, Fairfield                        |          |
| 11   | 980000012   | 1   | Drop Box FF Washer Tanged 3.19        |          |
| 12   | 980000001   | 1   | Drop Box FF Washer                    |          |
| 13   | 980000011   | 3   | Drop Box FF O-ring Plug #10           |          |
| 14   | 350000077   | 16  | Bolt HHCS 1/2-13 x 2 GR8              |          |
| 15   | 350000071   | 12  | Bolt HHCS 3/4-16 x 1.5 GR8            |          |
| 16   | 980000002   | 12  | Drop Box FF Washer Nord 0.406         |          |
| 17   | 980000003   | 16  | Drop Box FF Washer Nord 0.512         |          |
| 18   | 350000079   | 16  | Nut, Hex 1/2-13                       |          |
| 19   | 980000008   | 1   | Drop Box FF Seal Lip                  |          |
| 20   | 980000010   | 1   | Drop Box FF O-ring -238               |          |
| 21   | 980000007   | 1   | Drop Box FF O-ring                    |          |
| 22   | 980000004   | 1   | Drop Box FF Bearing Cup               |          |
| 23   | 980000005   | 1   | Drop Box FF Bearing Cone              |          |
| 24   | 350000061   | 2   | Dowel Pin, Fairfield DB 0.375 x 0.750 |          |
| 25   | 350000072   | 1   | ID Plate, Serial Tag Fairfield        |          |
| 26   | 350000078   | 4   | Screw, #2 X 3/16                      |          |
| 27   | 350000068   | 1   | Cover Plate, Fairfield Drop Box       |          |
| 28   | 350000059   | 1   | Housing, Fairfield Drop Box Inner     |          |
| 29   | 350000060   | 1   | Housing, Fairfield Drop Box Outer     |          |
| 30   | 350000063   | 1   | Output Spindle, Fairfield DB          |          |
| 31   | 350000062   | 1   | Shaft Gear Support, Fairfield         |          |
| 32   | 350000064   | 1   | Input Pinion, Fairfield               |          |
| 33   | 350000065   | 1   | Intermediate Gear, Fairfield          |          |
| 34   | 350000067   | 1   | Output Gear, Fairfield                |          |
| 35   | 980000006   | 1   | Drop Box FF Seal Carrier              |          |
| 36   | 350000066   | 1   | Shim, Steel (3.300, 0.000) Fairfield  |          |
| 37   | 350000073   | 1   | Yoke, Input Fairfield Drop Box        |          |
| 38   | 980000013   | 1   | Drop Box FF Washer, Flat 0.400        |          |

# Torque Arms

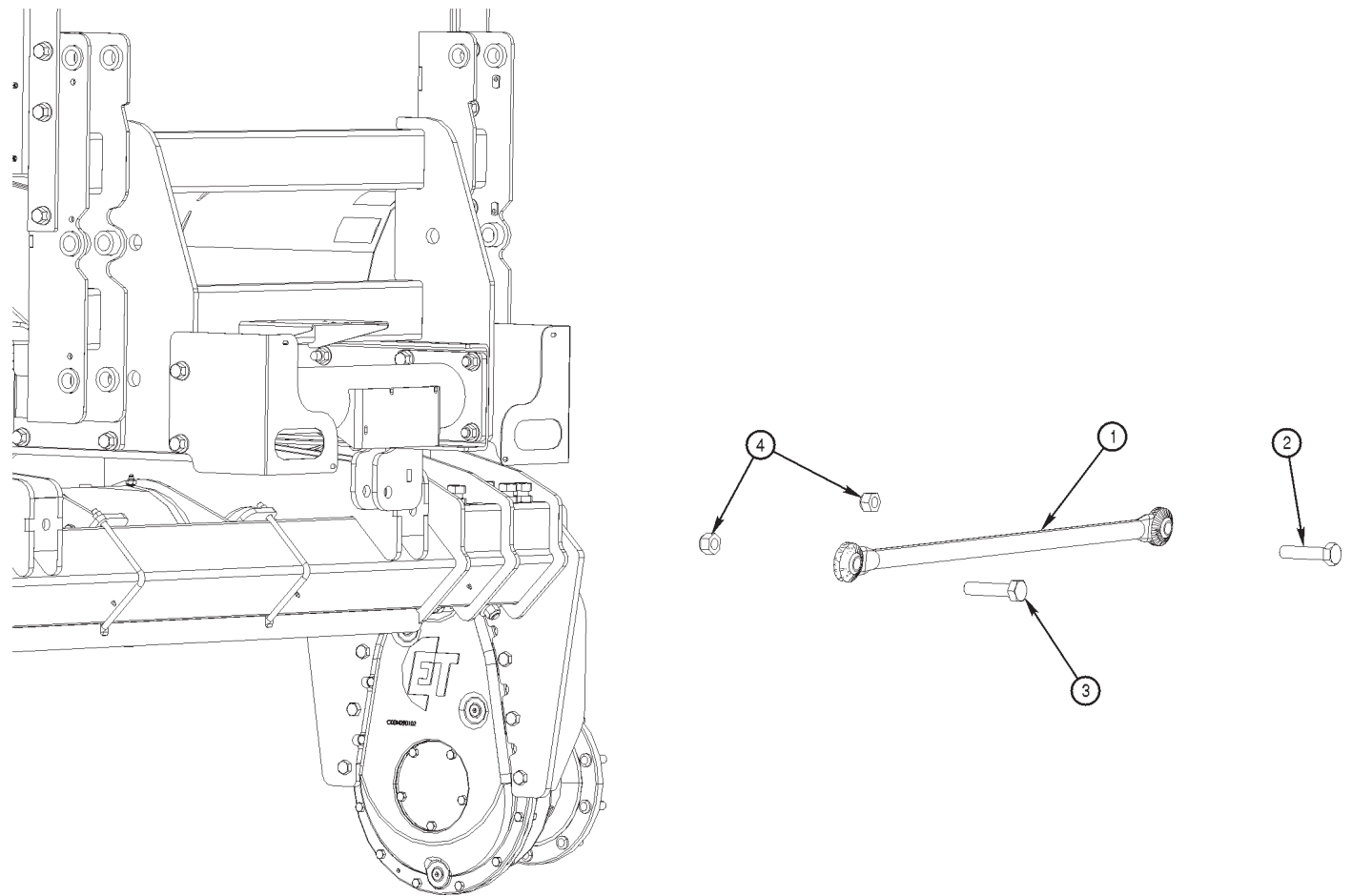
## All Models



| Item | Part Number | Qty | Description                     | Comments                        |
|------|-------------|-----|---------------------------------|---------------------------------|
| 1A   | 915003010   | 7   | Zerk, 1/4-28 NPT Straight       |                                 |
| 1B   | 915003011   | 1   | Zerk, 1/4-28 NPT 90 DEG         |                                 |
| 2    | 906501101   | 8   | Pin, 7/8" Greasable, Torque Arm |                                 |
| 3    | 901003086   | 8   | Nut, Jam Nylock 7/8-14 ZP       |                                 |
| 4    | 100100306   | 8   | Bushing, Torque Arm             |                                 |
| 5    | 100100305   | 2   | Torque Arm without Bushings     |                                 |
|      | K65000176   | 4   | Torque Arm, Complete Assembly   | See Parts Bulletin 2010 #10-03. |

# Tracking Bar

## All Models

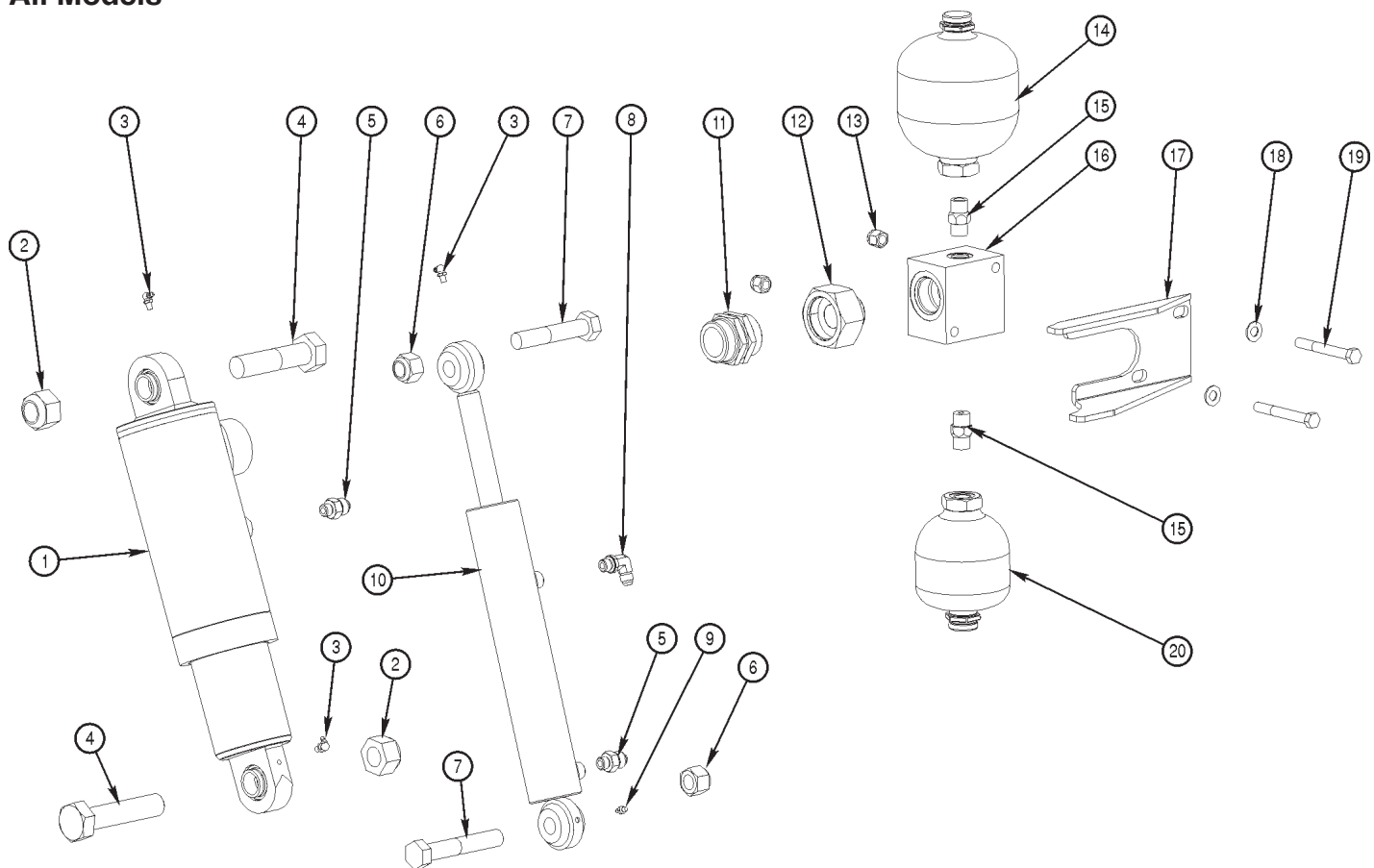


| Item | Part Number | Qty | Description                    | Comments |
|------|-------------|-----|--------------------------------|----------|
| 1    | 100108071   | 1   | Tracking Bar                   |          |
| 2    | 900012335   | 1   | Bolt, HHCS 1-14 x 4 1/2" G5 ZP |          |
| 3    | 900012336   | 1   | Bolt, HHCS 1-14 x 3 1/2" G5 ZP |          |
| 4    | 901003095   | 2   | Nut, Nylock 1-14 ZP            |          |



# Rear Suspension

## All Models

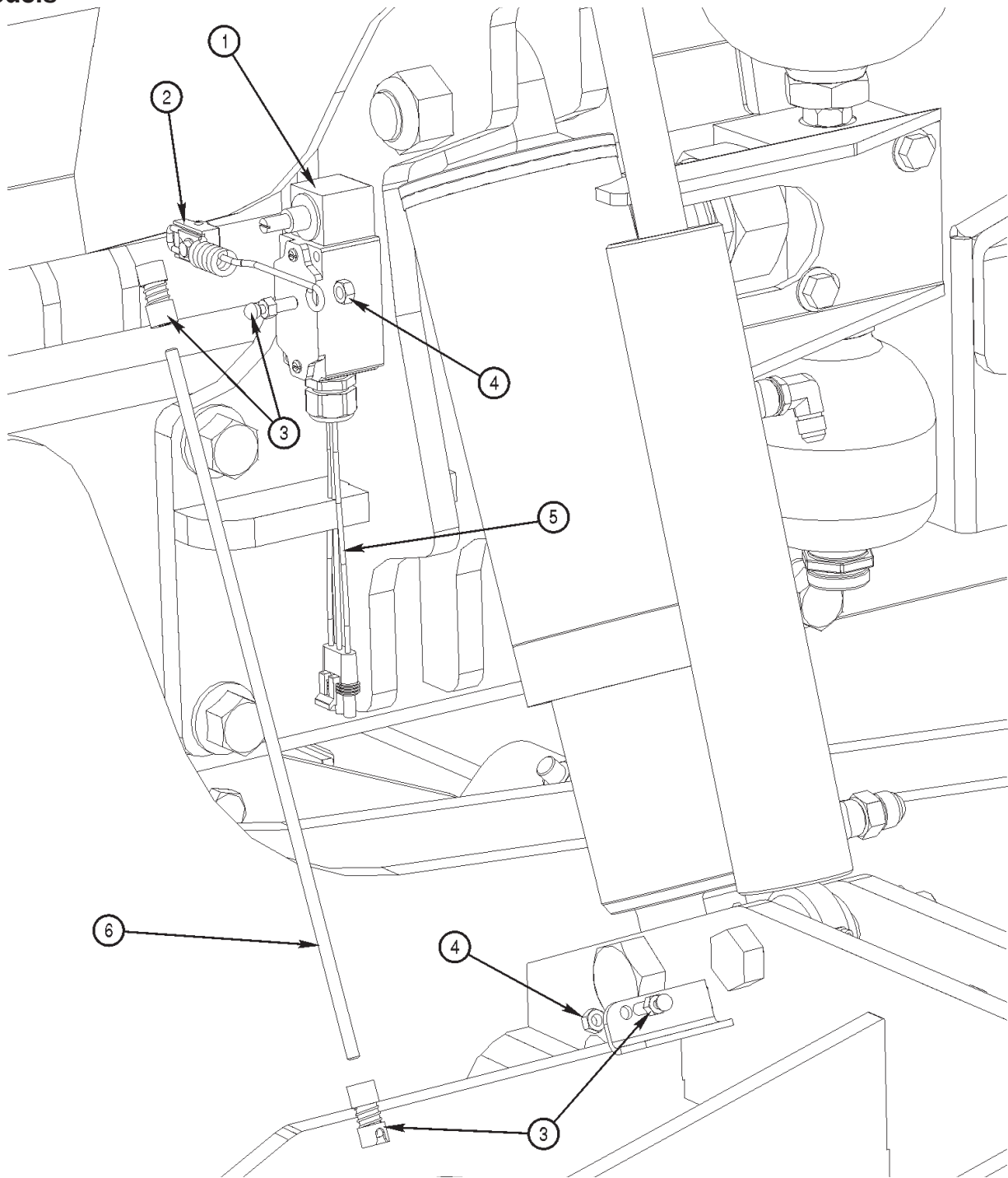


| Item | Part Number | Qty | Description                                        | Comments                             |
|------|-------------|-----|----------------------------------------------------|--------------------------------------|
| 1    | 100106063   | 2   | Cylinder, Rear Ram 4.00"                           | Seal Kit # 100106065                 |
| 2    | 901003095   | 4   | Nut, Nylock 1-14 ZP                                |                                      |
| 3    | 915003011   | 6   | Zerk, 1/4-28 NPT 90                                |                                      |
| 4    | 900007048   | 4   | Bolt, HHCS 1-14 x 4" G5 ZP                         |                                      |
| 5    | 800405000   | 4   | Fitting, 8 FLM x 6 ORM ST                          |                                      |
| 6    | 901003075   | 4   | Nut, Nylock 3/4-16                                 |                                      |
| 7    | 900006655   | 4   | Bolt, HHCS 3/4-16 x 4 G5 ZP                        |                                      |
| 8    | 800404215   | 2   | Fitting, 6 FLM x 6 ORM 90                          |                                      |
| 9    | 915003010   | 2   | Zerk 1/4-28 NPT Straight                           |                                      |
| 10   | 100106052   | 2   | Cylinder,Suspension load leveling                  | Seal Kit # 100106056                 |
| 11   | 800302190   | 2   | Fitting, 24 ORM x 24 ORM ST                        |                                      |
| 12   | 800302136   | 2   | Fitting, 20 M-ORB x 24 F-ORB                       |                                      |
| 13   | 902201108   | 4   | Nut, Nylock 7/16-14                                |                                      |
| 14A  | 100106155   | 2   | Accumulator, Rear, 60 CU IN                        | 450 psi for AS720, AS1020 and AS1025 |
| 14B  | 100106156   | 2   | Accumulator, Rear, 60 CU IN                        | 500 psi for AS1220                   |
| 15   | 810000045   | 4   | Throttle Valve with 0.125 Orifice                  |                                      |
| 16   | 810000044   | 2   | Manifold, Dual Rear Accumulator                    |                                      |
| 17A  | 810000047   | 1   | Bracket, Rear Accumulator R/H, Anti-sway           |                                      |
| 17B  | 810000048   | 1   | Bracket, Rear Accumulator L/H, Anti-sway           |                                      |
| 18   | 902003200   | 4   | Washer, Flat 3/8"                                  |                                      |
| 19   | 902201107   | 4   | Bolt, HHCS 7/16-14 x 3 1/2                         |                                      |
| 20A  | 100106157   | 2   | Accumulator, Rear, 30 CU IN                        | 400 psi for AS720, AS1020 and AS1025 |
| 20B  | 100106158   | 2   | Accumulator, Rear, 30 CU IN                        | 450 psi for AS1220                   |
|      | 810000046   | 2   | Manifold Assembly with Accumulator Rear Suspension |                                      |



# Suspension Leveling

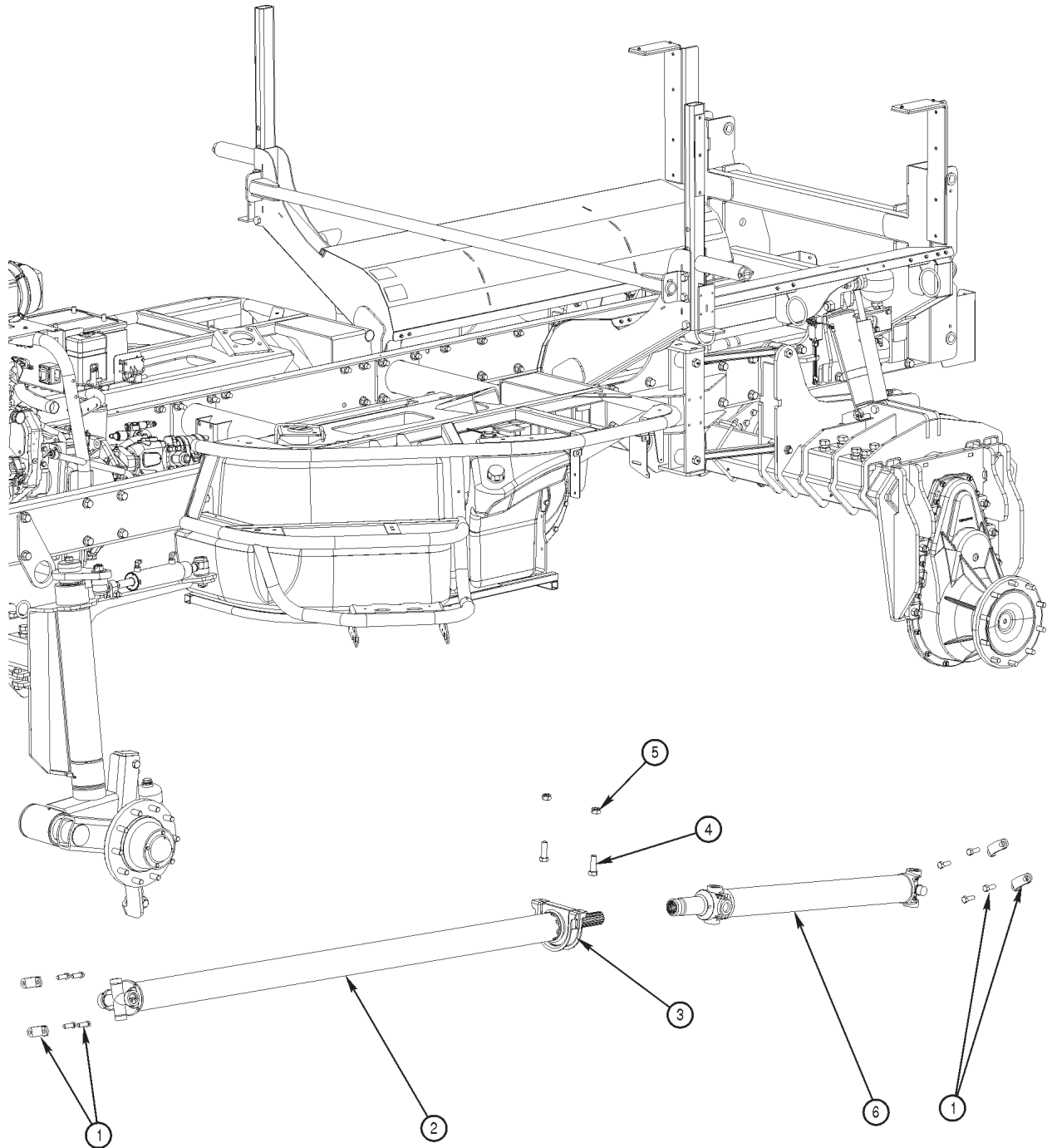
## All Models



| Item | Part Number | Qty | Description                    | Comments                              |
|------|-------------|-----|--------------------------------|---------------------------------------|
| 1A   | 700300080   | 1   | Leveling Switch (Switch only)  |                                       |
| 1B   | K65000123   | 1   | L/H Leveling Switch Assembly   | Includes wiring L/H Pigtail 700300083 |
| 1C   | K65000124   |     | R/H Leveling Switch Assembly   | Includes wiring R/H Pigtail 700300082 |
| 2    | 700300081   | 1   | Switch Arm, rear Suspension    |                                       |
| 3    | 390000800   | 2   | Ball Joint, 40 Series          |                                       |
| 4    | 901003005   | 2   | Nut, Nylock 1/4-28             |                                       |
| 5A   | 700300083   | 1   | L/H Leveling Switch Pigtail    |                                       |
| 5B   | 700300082   |     | R/H Leveling Switch Pigtail    |                                       |
| 6    | 100108080   | 1   | Rod, Adjusting Leveling 1/4-28 |                                       |

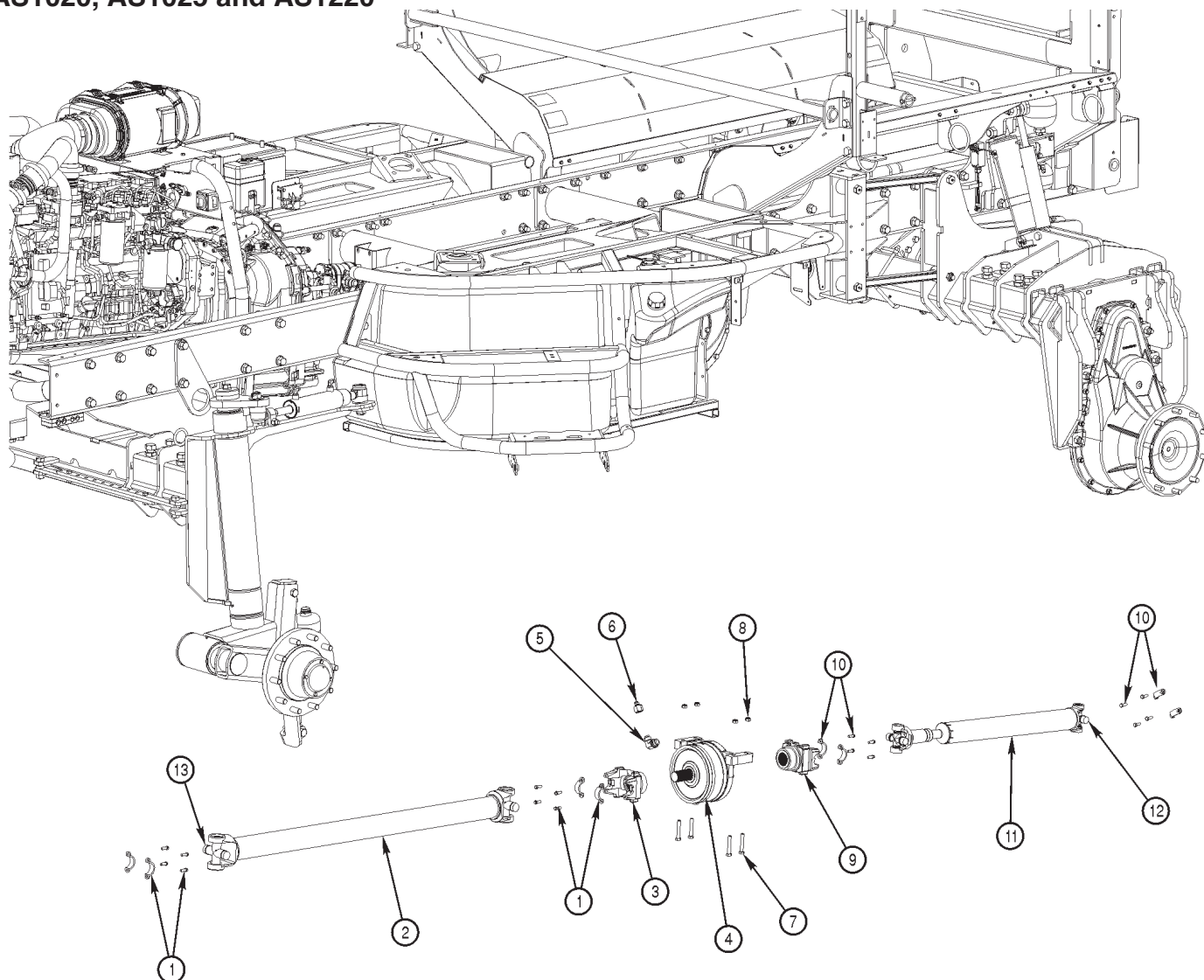
# Drive Shaft

## AS720



| Item | Part Number | Qty | Description                     | Comments            |
|------|-------------|-----|---------------------------------|---------------------|
| 1    | 301100200   | 2   | U-Strap Kit                     |                     |
| 2    | 301100016   | 1   | Driveshaft, Front PS764         | AS720               |
| 3    | 100106086   | A/R | Carrier bearing                 | Bushing and Bracket |
| 4    | 900003245   | 2   | Bolt, HHCS 1/2-13 x 1 1/2 G5 ZP |                     |
| 5    | 901003040   | 2   | Nut, Nylock 1/2"                |                     |
| 6    | 301100017   | 1   | Driveshaft, Rear PS764          | AS720               |
|      | 301100301   | A/R | U-Joint, front driveshaft       |                     |
|      | 301100300   | A/R | U-Joint, rear driveshaft        |                     |
|      | 301100011   | A/R | Cork and Cup                    |                     |

## AS1020, AS1025 and AS1220



| Item | Part Number | Qty | Description                                | Comments                                                                     |
|------|-------------|-----|--------------------------------------------|------------------------------------------------------------------------------|
| 1    | 301100037   | 2   | Cap and Bolt Assembly, 1610 Yoke           |                                                                              |
| 2    | 301100021   | 1   | Driveshaft, Front ZF                       | AS1020, AS1025 and AS1220                                                    |
| 3    | 301100031   | 1   | End Yoke, 1610 To Ausco Brake              |                                                                              |
| 4    | 301303005   | 1   | Driveline Brake, Ausco                     |                                                                              |
| 5    | 800302408   | 1   | Fitting, 12 ORM x 12 FLM 90 DEG            |                                                                              |
| 6    | 800301636   | 1   | Fitting, Reducer 12 FLF x 8 FLM            |                                                                              |
| 7    | 900003695   | 4   | Bolt, HHCS 5/8-11 x 3 G5 ZP                |                                                                              |
| 8    | 901003060   | 4   | Nut, Nylock 5/8-11                         |                                                                              |
| 9    | 301100032   | 1   | End Yoke, 1550 To Ausco Brake              |                                                                              |
| 10   | 301100200   | 1   | U-Strap Driveline to Axle Kit              | U-Strap on front of rear driveshaft uses (2) P/N 900003020 and P/N 900002840 |
| 11   | 301100026   | 1   | Driveshaft, Rear ZF                        | AS1020, AS1025 and AS1220                                                    |
| 12   | 301100300   | A/R | U-Joint, Rear Driveshaft ZF                |                                                                              |
| 13   | 301100302   | A/R | U-Joint, Front Driveshaft ZF               |                                                                              |
|      | 301100301   |     | U-Joint, Rear Driveshaft Slip -End (front) | Not shown                                                                    |
|      | 301303006   | 1   | Spacer, Ausco Brake Output Shaft           | For front drive shaft from ZF trans., Not shown                              |
|      | 301303007   | 1   | Washer, Ausco Brake Output Shaft           | For front drive shaft from ZF trans., Not shown                              |
|      | 301303008   | 1   | Nut, Ausco Brake Output Shaft              | For front drive shaft from ZF trans., Not shown                              |

## Floatation Tires

### All Models

Semi-Float



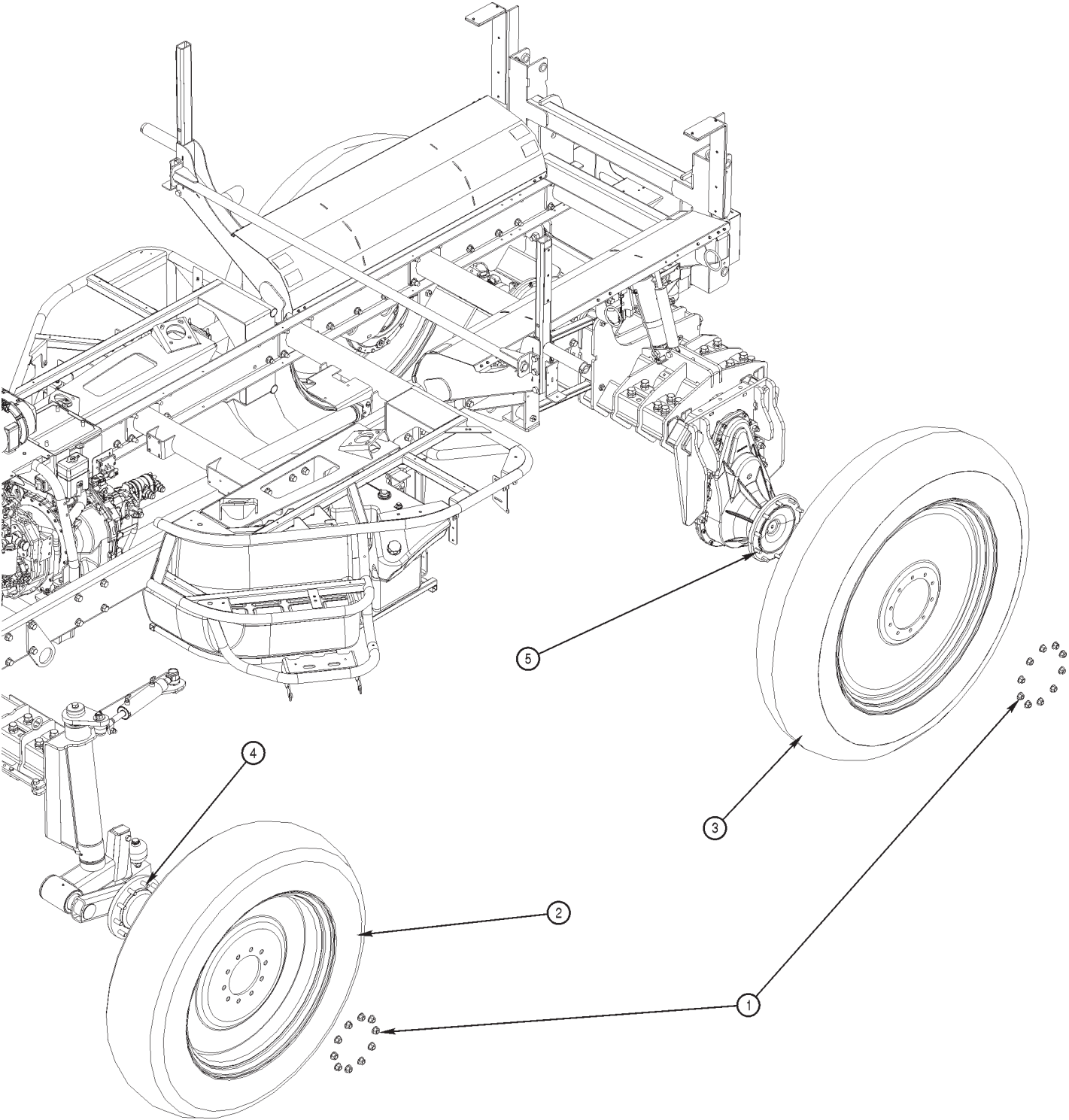
Full-Float



| <b>Kit Number</b>                                                                    | <b>Description</b>                            | <b>Models</b>                |
|--------------------------------------------------------------------------------------|-----------------------------------------------|------------------------------|
| K65000079                                                                            | Rear, Semi-Floatation Tire Size 520/85R46     | AS720 and AS1020 with 42" CC |
| K65000080                                                                            | Front, Semi-Floatation Tire Size 480/70R34    | All Models                   |
| K65000081                                                                            | Rear, Semi-Floatation Tire Size 520/85R46     | All Models with 50" CC       |
| 500100913                                                                            | Front, Full Floatation Tire Size 18.4 x 26R-3 | All Models                   |
| K65000083                                                                            | Rear, Full Floatation Tire Size 30.5 x 32R-3  | All Models with 50" CC       |
|                                                                                      |                                               |                              |
| All the above kits include two tires mounted to rims, new wheel studs, and lug nuts. |                                               |                              |

Tires

All Models

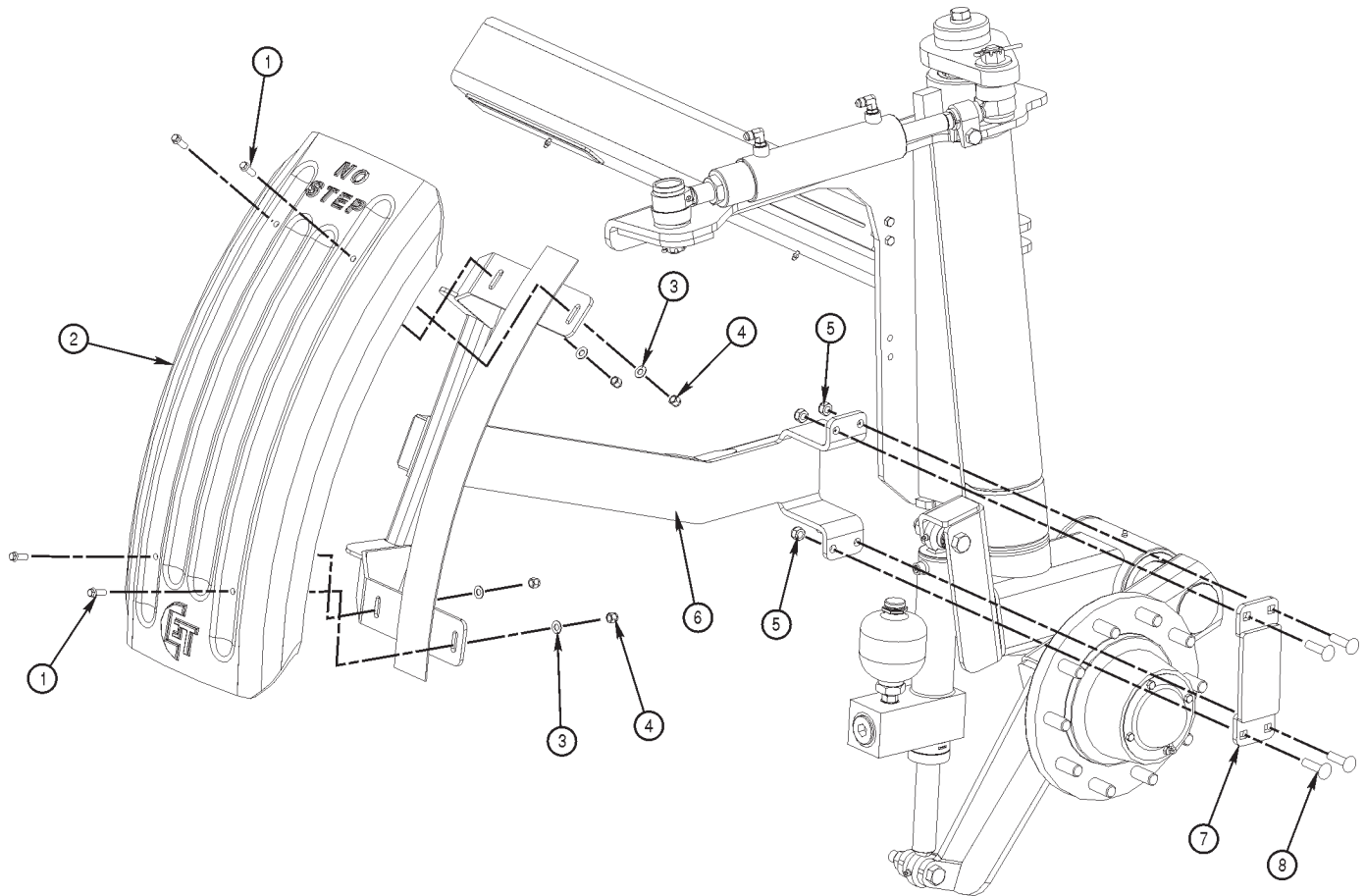


| Item               | Part Number | Qty | Description                          | Size             | Comments                              |
|--------------------|-------------|-----|--------------------------------------|------------------|---------------------------------------|
| 1A                 | 900100038   | 40  | Nut, Lug Euclid 3/4-16 with cone     |                  |                                       |
| 1B                 | 900100037   | 20  | Nut, Lug, Flange Cap 3/4-16 ZP       |                  |                                       |
|                    |             |     |                                      |                  |                                       |
| FRONT TIRE OPTIONS |             |     |                                      |                  |                                       |
| 2A                 | 500100981   | 1   | Tire Set, 38" Front                  | 380/80R38 Radial | All Models                            |
| 2B                 | 500100981L  | 1   | L/H Tire and Wheel                   | 380/80R38 Radial | All Models                            |
| 2C                 | 500100981R  | 1   | R/H Tire and Wheel                   | 380/80R38 Radial | All Models                            |
| 2D                 | 500100152   | 2   | Tire Only, 380/80R38 Radial          |                  | All Models                            |
| 2E                 | 500100010   | 2   | Wheel Only, 38" x 12"                |                  | All Models                            |
| 2F                 | 500100982   | 1   | Narrow Tire Set, 38" Front           | 320/85R38 Radial | All Models                            |
| 2G                 | 500100982L  | 1   | Narrow L/H Tire and Wheel            | 320/85R38 Radial | All Models                            |
| 2H                 | 500100982R  | 1   | Narrow R/H Tire and Wheel            | 320/85R38 Radial | All Models                            |
| 2I                 | 500100186   | 2   | Tire Only, 320/85R38 Radial          |                  | All Models                            |
| 2J                 | 500100861   | 2   | Narrow Wheel Only, 38" x 10"         |                  | All Models                            |
|                    |             |     |                                      |                  |                                       |
| REAR TIRE OPTIONS  |             |     |                                      |                  |                                       |
| 3A                 | 500100984   | 1   | Tire Set, 46" Rear Standard          | 380/90R46 Radial | AS720                                 |
| 3B                 | 500100984L  | 1   | L/H Tire and Wheel                   | 380/90R46 Radial | AS720                                 |
| 3C                 | 500100984R  | 1   | R/H Tire and Wheel                   | 380/90R46 Radial | AS720                                 |
| 3D                 | 500100177   | 2   | Tire Only, 380/90R46 Radial          |                  | AS720                                 |
| 3E                 | 500100860   | 2   | Wheel Only, 46" x 12"                |                  | AS720                                 |
| 3F                 | 500100985   | 1   | Tire Set, 46" Rear Heavy Duty        | 380/90R46 Radial | AS1020 and AS1220                     |
| 3G                 | 500100985L  | 1   | L/H Tire and Wheel                   | 380/90R46 Radial | AS1020 and AS1220                     |
| 3H                 | 500100985R  | 1   | R/H Tire and Wheel                   | 380/90R46 Radial | AS1020 and AS1220                     |
| 3I                 | 500100177   | 2   | Tire Only, 380/90R46 Radial          |                  | AS1020 and AS1220                     |
| 3J                 | 500100865   | 2   | Wheel Only, 46" x 12"                |                  | AS1020 and AS1220                     |
| 3K                 | 500100986   | 1   | Narrow Tire Set, 50" rear            | 320/90R50 Radial | All Models                            |
| 3L                 | 500100986L  | 1   | Narrow L/H Tire and Wheel            | 320/90R50 Radial | All Models                            |
| 3M                 | 500100986R  | 1   | Narrow R/H Tire and Wheel            | 320/90R50 Radial | All Models                            |
| 3N                 | 500100184   | 2   | Tire Only, 320/90R50 Radial          |                  | All Models                            |
| 3O                 | 500100854   | 2   | Narrow Wheel Only, 50" x 10"         |                  | All Models                            |
|                    |             |     |                                      |                  |                                       |
| FRONT STUDS        |             |     |                                      |                  |                                       |
| 4                  | 900003799   | 20  | Stud, Front Wheel Hub                |                  |                                       |
|                    |             |     |                                      |                  |                                       |
|                    |             |     |                                      |                  |                                       |
| REAR STUDS         |             |     |                                      |                  |                                       |
| 5A                 | 350000188   | 20  | Stud, 3.88", DB, HD Rims, with Duals |                  | Used in Drop Boxes                    |
| 5B                 | 350000189   | 20  | Stud, 2.75", Dual Spacer, HD Rims    |                  | Used in dual spacer for outboard tire |
| 5C                 | 350000190   | 20  | Stud, 3.25" used with Planetary      |                  | Used in Planetary                     |
|                    |             |     |                                      |                  |                                       |
|                    | 420306033   | 2   | Decal, Wheel Torque 420 ft/lbs       |                  |                                       |



# Fenders

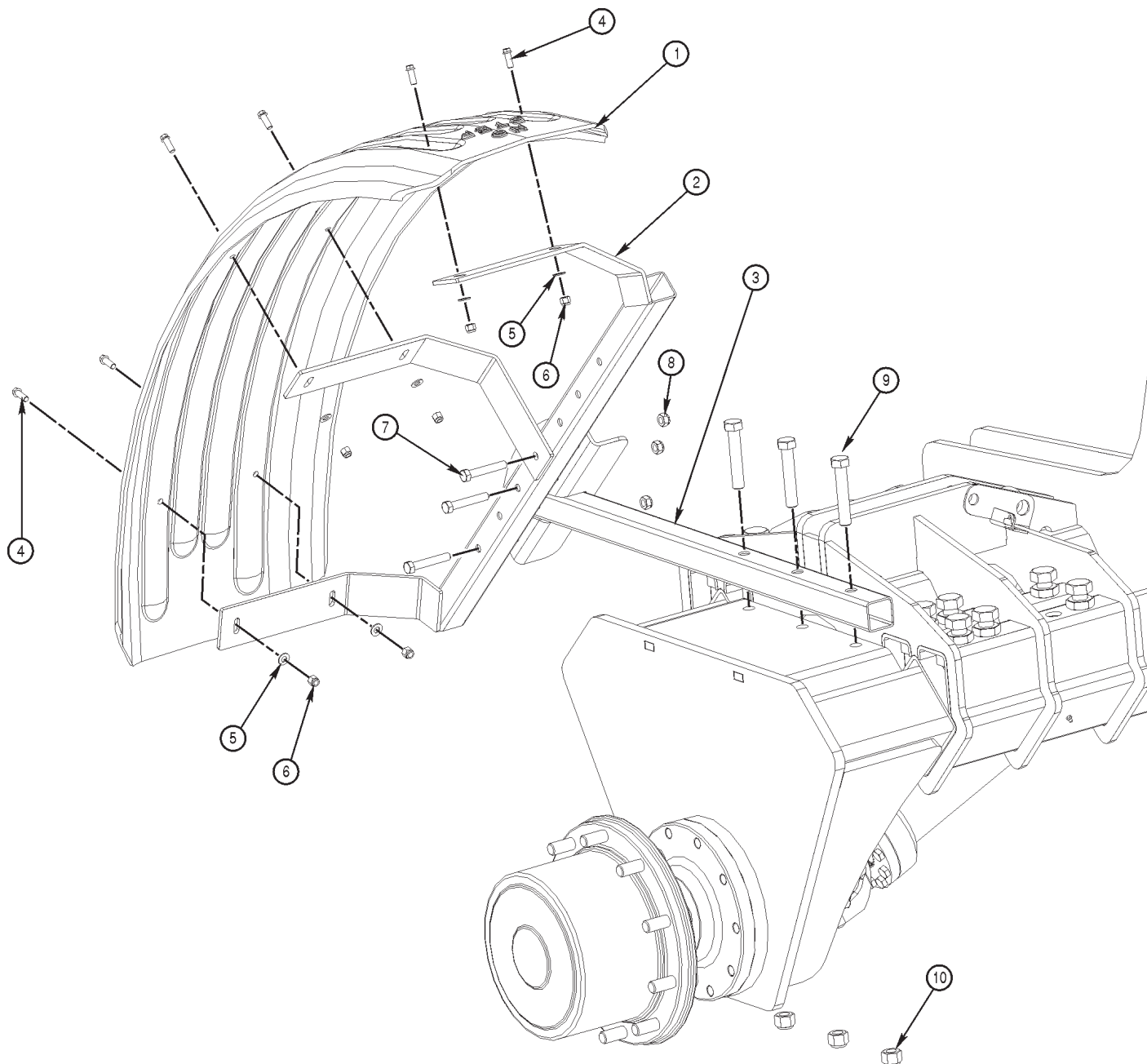
## All Models (Front)



| Item | Part Number | Qty | Description                             | Comments |
|------|-------------|-----|-----------------------------------------|----------|
| 1    | 900106537   | 8   | Bolt, 3/8-16 x 1" Flanged Head Black SB |          |
| 2    | 500200001   | 2   | Fender, Plastic 38" Tire                |          |
| 3    | 902003045   | 8   | Washer, Flat 3/8" ZP                    |          |
| 4    | 901003020   | 8   | Nut, Nylock 3/8" - 16                   |          |
| 5    | 901003040   | 8   | Nut, Nylock 1/2" - 13                   |          |
| 6A   | 500200030   | 1   | Bracket, Fender Front Right             |          |
| 6B   | 500200031   | 1   | Bracket, Fender Front Left              |          |
| 7    | 500200021   | 2   | Fender, Bolt plate weldment             |          |
| 8    | 900106536   | 8   | Bolt, Carriage 1/2-13 x 2"              |          |
|      | K65000202   |     | Kit, Front Fenders 42" and 50" CC       |          |

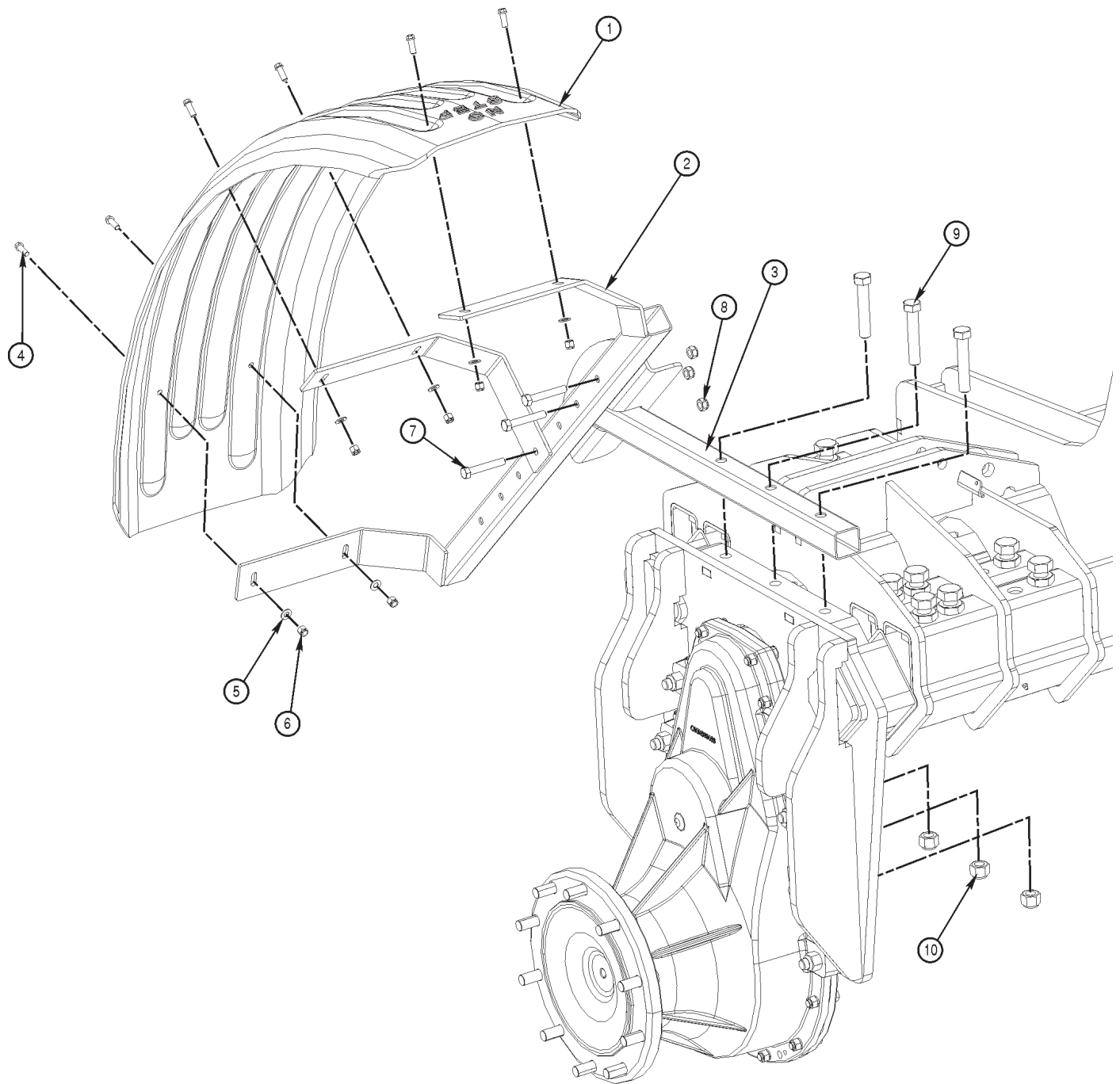


## All Models (Rear with 42" CC)



| Item | Part Number | Qty | Description                             | Comments  |
|------|-------------|-----|-----------------------------------------|-----------|
| 1    | 500200002   | 2   | Fender, Plastic 46" Rear                |           |
| 2    | 500200039   | 2   | Fender, Rear Plastic Support            |           |
| 3A   | 500200037   | 1   | Fender, Rear Male Attach, Right 42" CC  |           |
| 3B   | 500200038   | 1   | Fender, Rear Male Attach, Left 42" CC   | Not shown |
| 4    | 900106537   | 12  | Bolt, 3/8-16 x 1" Flanged Head Black SB |           |
| 5    | 902003045   | 12  | Washer, Flat 3/8" ZP                    |           |
| 6    | 901003020   | 12  | Nut, Nylock 3/8" - 16                   |           |
| 7    | 900003280   | 6   | Bolt, HHCS 1/2-13 x 3 1/4 G5 ZP         |           |
| 8    | 901003040   | 6   | Nut, Nylock 1/2-13 ZP                   |           |
| 9    | 900006655   | 6   | Bolt, HHCS 3/4-16 x 4 G5 ZP             |           |
| 10   | 901003075   | 6   | Nut, Nylock 3/4-16 ZP                   |           |
|      | K65000203   |     | Kit, Rear Fender 42" CC                 |           |

## All Models (Rear with 50" CC)

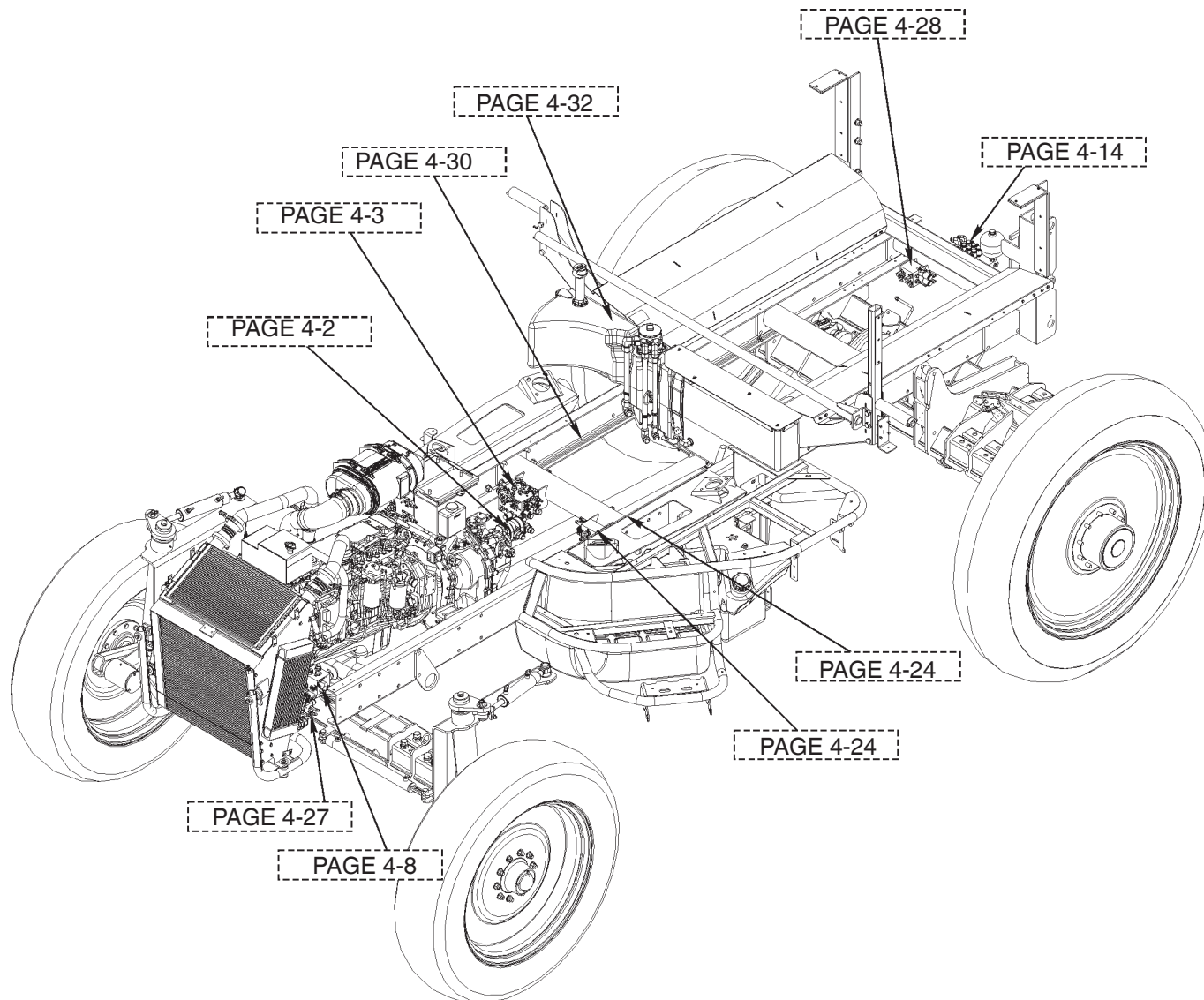


| Item | Part Number | Qty | Description                             | Comments |
|------|-------------|-----|-----------------------------------------|----------|
| 1    | 500200002   | 2   | Fender, Plastic 46" Rear                |          |
| 2    | 500200039   | 2   | Fender, Rear Plastic Support            |          |
| 3A   | 500200035   | 1   | Fender, Rear Male Attach, Right 50" CC  |          |
| 3B   | 500200036   | 1   | Fender, Rear Male Attach, Left 50" CC   |          |
| 4    | 900106537   | 12  | Bolt, 3/8-16 x 1" Flanged Head Black SB |          |
| 5    | 902003045   | 12  | Washer, Flat 3/8" ZP                    |          |
| 6    | 901003020   | 12  | Nut, Nylock 3/8" - 16                   |          |
| 7    | 900003280   | 6   | Bolt, HHCS 1/2-13 x 3 1/4 G5 ZP         |          |
| 8    | 901003040   | 6   | Nut, Nylock 1/2-13 ZP                   |          |
| 9    | 900006655   | 6   | Bolt, HHCS 3/4-16 x 4 G5 ZP             |          |
| 10   | 901003075   | 6   | Nut, Nylock 3/4-16 ZP                   |          |
|      | K65000204   |     | Kit, Rear Fender 50" CC                 |          |

# Hydraulics

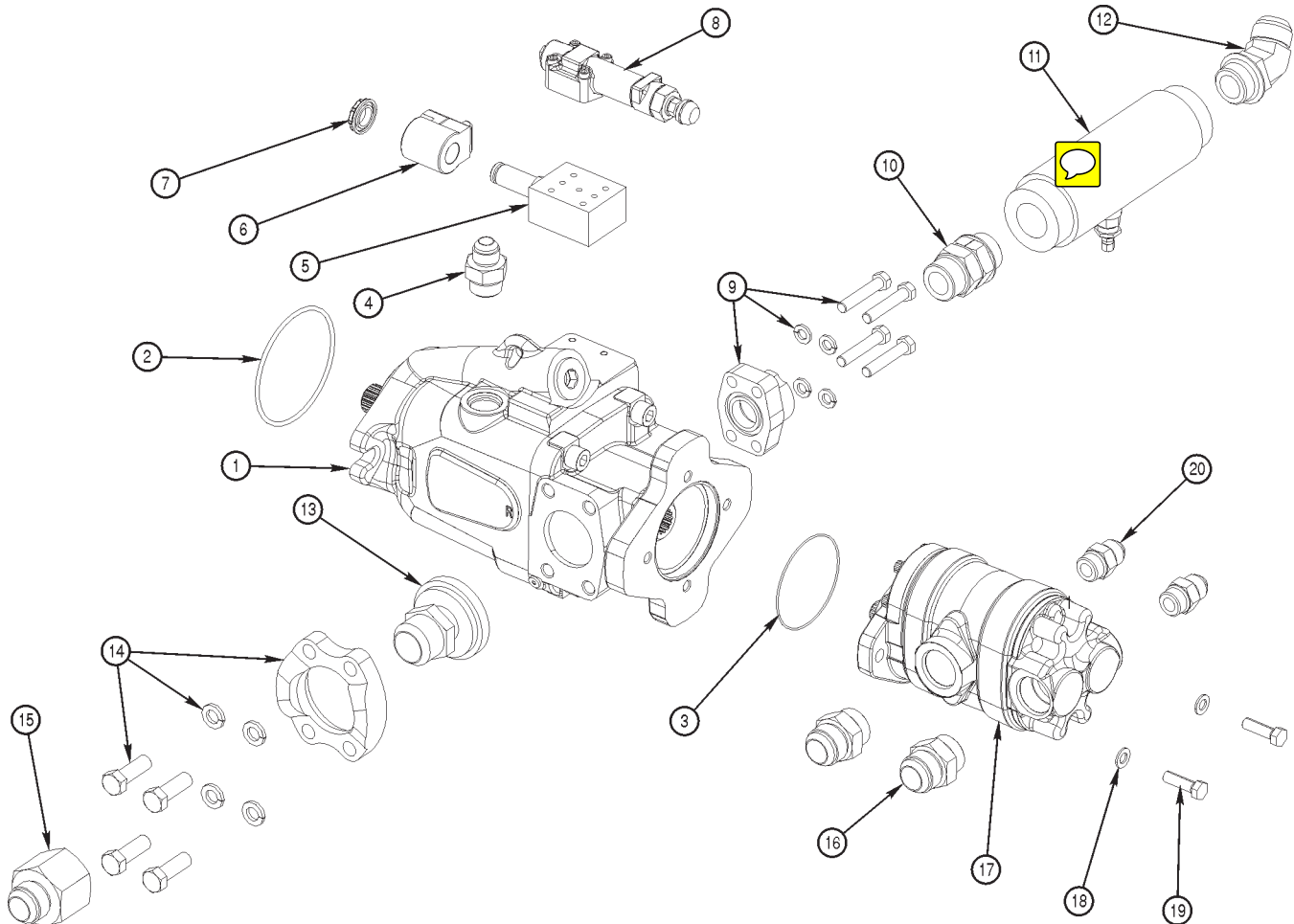
## Section Overview

All Models



# Hydraulic Pump

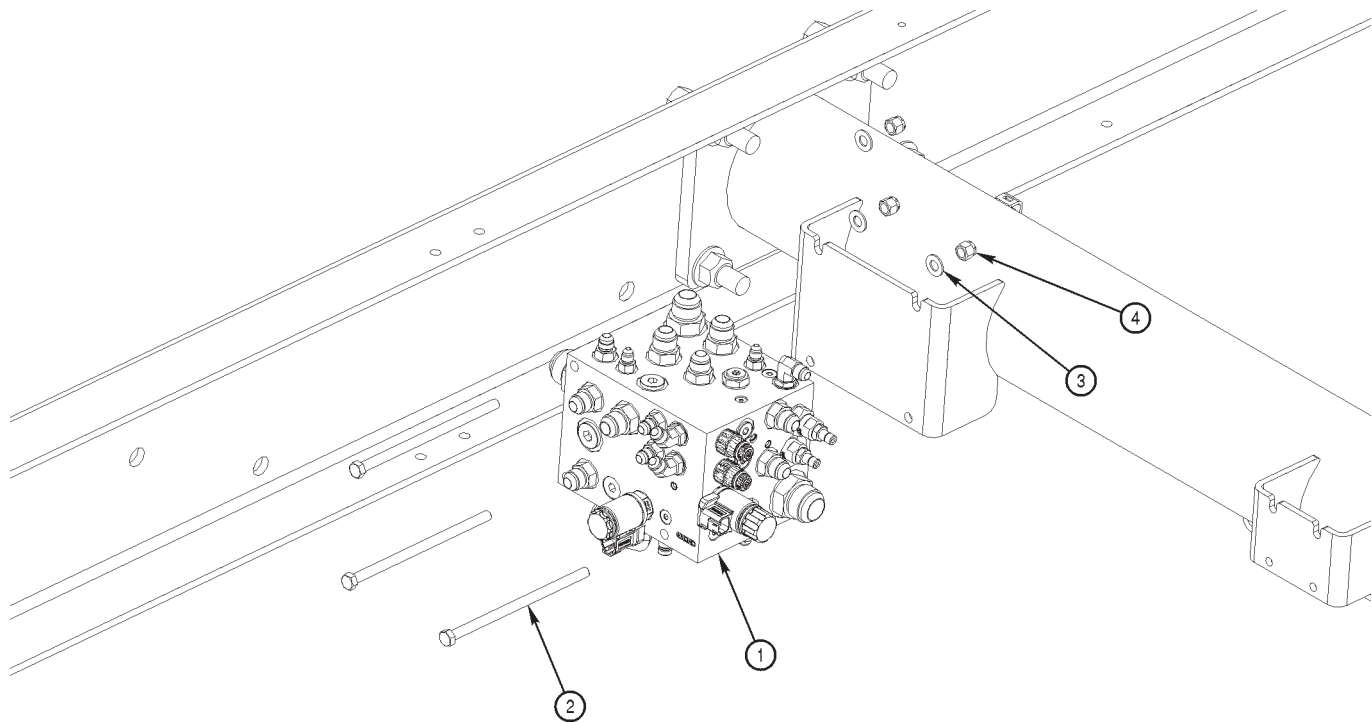
## All Models



| Item | Part Number | Qty | Description                          | Comments                  |
|------|-------------|-----|--------------------------------------|---------------------------|
| 1A   | 860000029   | 1   | Piston Pump, 15 Tooth                | AS720                     |
| 1B   | 860000030   | 1   | Piston Pump, 14 Tooth                | AS1020, AS1025 and AS1220 |
| 2A   | 350000315   | 1   | O-ring, Eaton Pump                   | AS720                     |
| 2B   | 350000317   | 1   | O-ring, Eaton Pump                   | AS1020, AS1025 and AS1220 |
| 3    | 840000065   | 1   | O-ring, Between Gear and Piston Pump |                           |
| 4    | 800303119   | 1   | Fitting, 10 FLM X 12 ORM ST          |                           |
| 5    | 860000032   | 1   | Destroke Kit, Eaton "B" Series       |                           |
| 6    | 860000033   | 1   | Coil, Destroke Valve                 |                           |
| 7    | 860000034   | 1   | Nut, Coil, Destroke Valve            |                           |
| 8    | 860000023   | 1   | Compensator                          | "B" - Style Pump          |
| 9    | 800302494   | 1   | Fitting, Bolt Flange Code 61         |                           |
| 10   | 800404002   | 1   | Fitting, 16 ORM X 16 ORM             |                           |
| 11   | 860000012   | 1   | Silencer, Hydraulic                  |                           |
| 12A  | 800302504   | 1   | Fitting, 16 FLM x 16 ORM 45          | AS720                     |
| 12B  | 800302410   | 1   | Fitting, 16 ORM x 16 FLM ST          | AS1020, AS1025 and AS1220 |
| 13   | 800460095   | 1   | Adapter 61 Straight -20-32           |                           |
| 14   | 800450050   | 1   | Kit, Split Flange 2" Code 61         |                           |
| 15   | 800302454   | 1   | Fitting, 20 FLF X 16 FLM             |                           |
| 16   | 800302410   | 2   | Fitting, 16 ORM X 16 FLM ST          |                           |
| 17   | 860000037   | 1   | Gear Pump                            |                           |
| 18   | 902003045   | 2   | Washer, Flat 3/8" ZP                 |                           |
| 19   | 900000410   | 2   | Bolt, HHCS 3/8"-16 x 1 1/4" G8       |                           |
| 20   | 800302242   | 2   | Fitting, 10 FLM X 10 ORM ST          |                           |
|      | 860000035   |     | Complete Pump Assembly               | AS720                     |
|      | 860000036   |     | Complete Pump Assembly               | AS1020, AS1025 and AS1220 |

# Junction Manifold Mounting

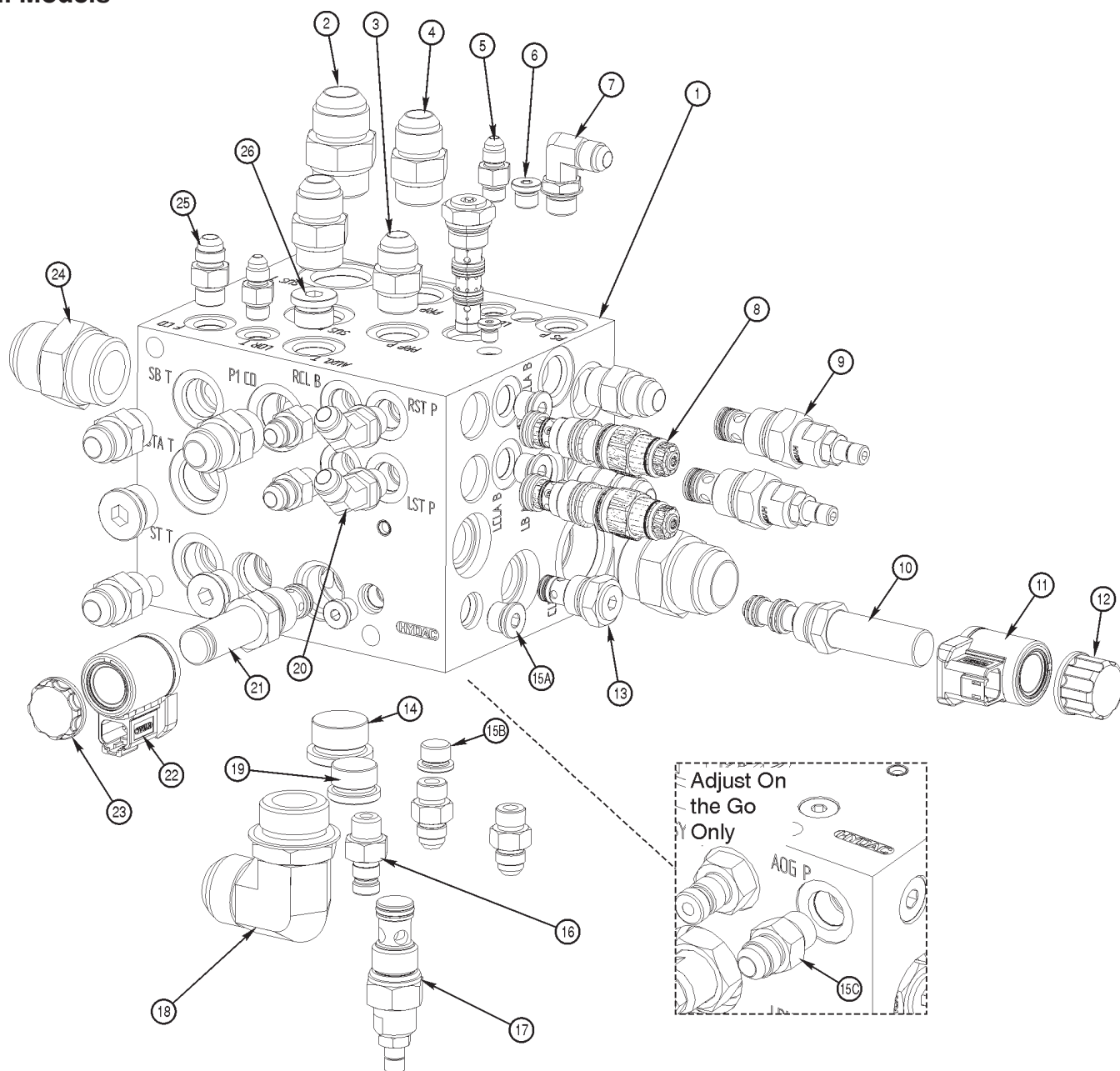
## All Models



| Item | Part Number | Qty | Description                   | Comments |
|------|-------------|-----|-------------------------------|----------|
| 1    | 810000100   | 1   | Manifold, Junction/Steer 2012 |          |
| 2    | 900010716   | 2   | Bolt, HHCS 3/8 -16 x 7"       |          |
| 3    | 902003045   | 2   | Washer, Flat 3/8 ZP           |          |
| 4    | 901003020   | 2   | Nut, Nylock 3/8-16 ZP         |          |
|      |             |     |                               |          |
|      |             |     |                               |          |
|      |             |     |                               |          |
|      |             |     |                               |          |
|      |             |     |                               |          |
|      |             |     |                               |          |

# Junction Manifold

## All Models

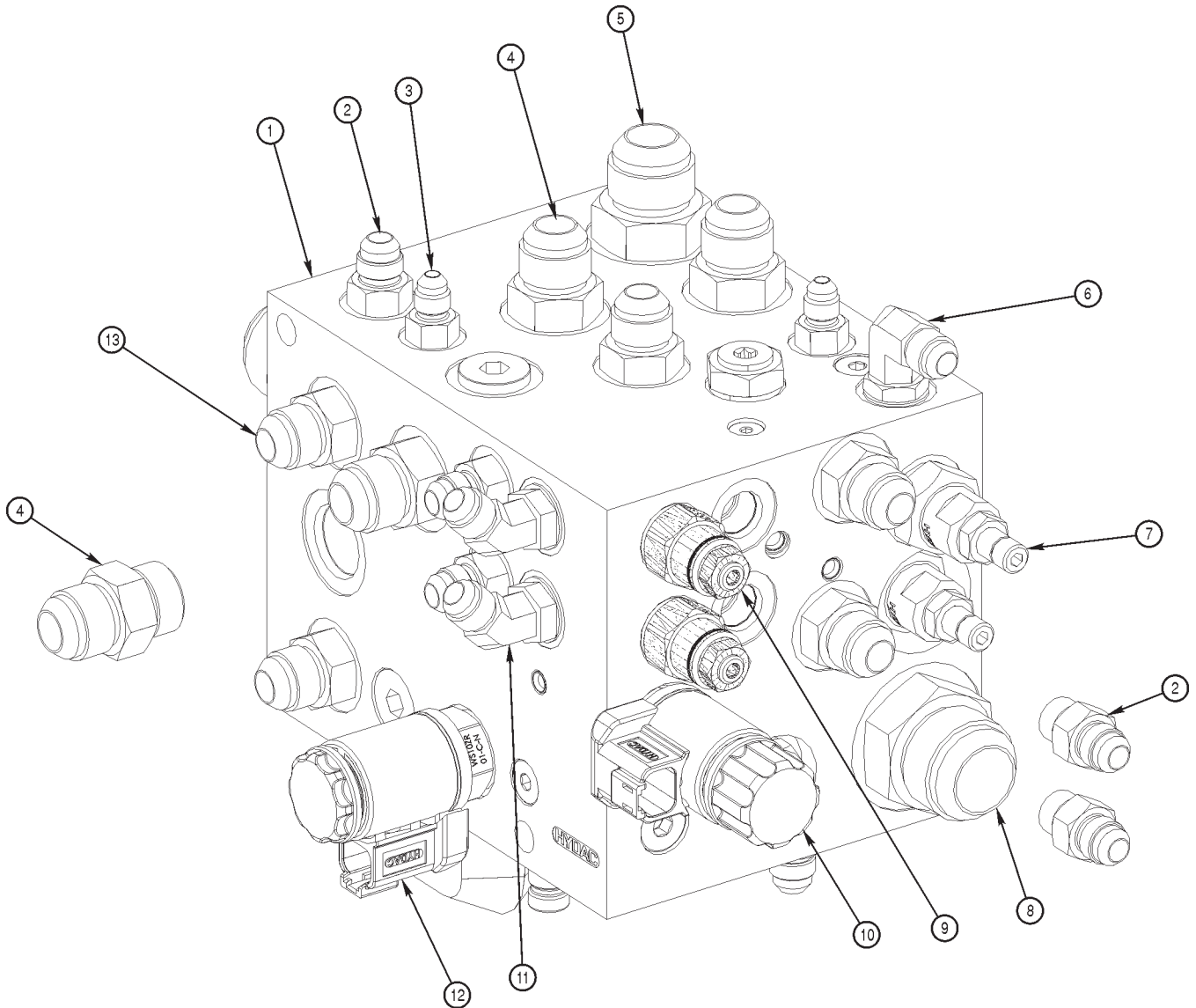


| Item | Part Number | Qty | Description                         | Comments                                       |
|------|-------------|-----|-------------------------------------|------------------------------------------------|
| 1    | 810000100   | 1   | Manifold, Junction/Steer 2012       |                                                |
| 2    | 800303120   | 1   | Fitting, 12 FLM x 12 ORM ST         |                                                |
| 3    | 800303030   | 5   | Fitting, 8 FLM x 8 ORM ST           |                                                |
| 4    | 800302242   | 3   | Fitting, 10 FLM x 10 ORM ST         |                                                |
| 5    | 800302185   | 2   | Fitting, 4 FLM x 4 ORM ST           |                                                |
| 6    | 800000560   | 2   | Plug, SAE 4 ORB Hollow Hex          |                                                |
| 7    | 800404215   | 1   | Fitting, 6 FLM x 6 ORM 90           |                                                |
| 8    | 810000036   | 2   | Counter balance Valve, Steering     | Seal Kit P/N 810000056                         |
| 9    | 810000039   | 2   | Valve, Flow Control                 | Seal Kit P/N 810000052                         |
| 10   | 810000037   | 2   | Solenoid Valve, Ladder/Brake        | Seal Kit P/N 810000057                         |
| 11   | 810000040   | 1   | Coil, 12 Volt                       |                                                |
| 12   | 810000042   | 1   | Nut, Coil Tall                      |                                                |
| 13   | 810000049   | 1   | Check Valve, 5 PSI Junction         |                                                |
| 14   | 800000640   | 1   | Plug, ST THD O R Hex Socket 1"      |                                                |
| 15A  | 800000690   | 3   | Plug, ST THD O R Hex 6408-6         |                                                |
| 15B  | 800000690   | 1   | Plug, ST THD O R Hex 6408-6         | Use plug if not equipped with Adjust On the Go |
| 15C  | 800303022   | 1   | Fitting, 6 FLM x 6 ORM ST           | Use fitting if equipped with Adjust On the Go  |
| 16   | 800302129   | 1   | Fitting, QDC Pressure Port          |                                                |
| 17   | 810000031   | 1   | Needle Valve, Product Pump Pressure | Adjust to 120 psi, Seal Kit P/N 810000052      |
| 18   | 800302408   | 1   | Fitting, 12 ORM x 12 FLM 90 DEG     |                                                |
| 19   | 800000600   | 2   | Plug, HHPL 5/8" 10 orm              |                                                |
| 20   | 800302141   | 2   | Fitting, 6 FLM x 6 ORM 45           |                                                |
| 21   | 810000030   | 1   | Solenoid Valve, Product Pump        | Seal Kit P/N 810000052                         |
| 22   | 810000040   | 1   | Coil, 12 Volt                       |                                                |
| 23   | 810000041   | 1   | Nut, Coil Short                     |                                                |
| 24   | 800302410   | 1   | Fitting, 16 FLM x 16 ORM ST         |                                                |
| 25   | 800303022   | 5   | Fitting, 6 FLM x 6 ORM ST           |                                                |
| 26   | 800000590   | 2   | Plug Str O/R Socket 1/2             |                                                |



# Junction Manifold with AutoSteer

## All Models

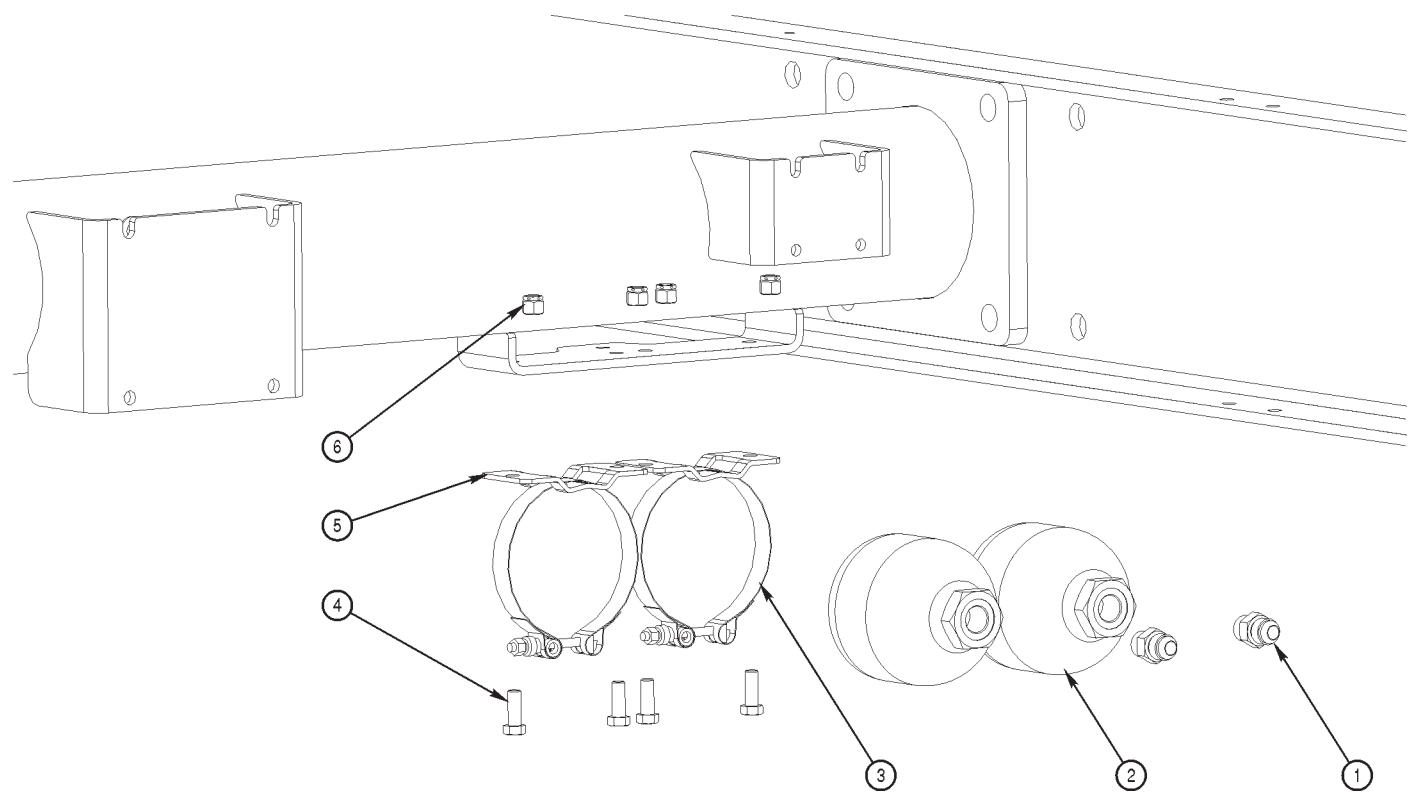


| Item | Part Number | Qty | Description                       | Comments               |
|------|-------------|-----|-----------------------------------|------------------------|
| 1    | 810000100   | 1   | Manifold, Junction/Steer 2012     |                        |
| 2    | 800303022   | 7   | Fitting, 6 FLM x 6 ORM ST         |                        |
| 3    | 800302185   | 2   | Fitting, 4 FLM x 4 ORM ST         |                        |
| 4    | 800302242   | 2   | Fitting, 10 FLM x 10 ORM ST       |                        |
| 5    | 800302120   | 1   | Fitting, 12 FLM x 12 ORM ST       |                        |
| 6    | 800404215   | 1   | Fitting, 6 FLM x 6 ORM 90         |                        |
| 7    | 810000039   | 2   | Valve, Flow Control, Brake/Ladder | Seal Kit P/N 810000052 |
| 8    | 800302410   | 2   | Fitting, 16 FLM x 16 ORM ST       |                        |
| 9    | 810000036   | 2   | Counterbalance Valve, Steering    | Seal Kit P/N 810000056 |
| 10   | 810000042   | 1   | Nut, Hydac Coil Tall              |                        |
| 11   | 800302141   | 2   | Fitting, 6 FLM x 6 ORM 45         |                        |
| 12   | 810000040   | 2   | Coil, Hydac 12 Volt               |                        |
| 13   | 800303030   | 5   | Fitting, 8 FLM x 8 ORM ST         |                        |



# Brake Accumulator

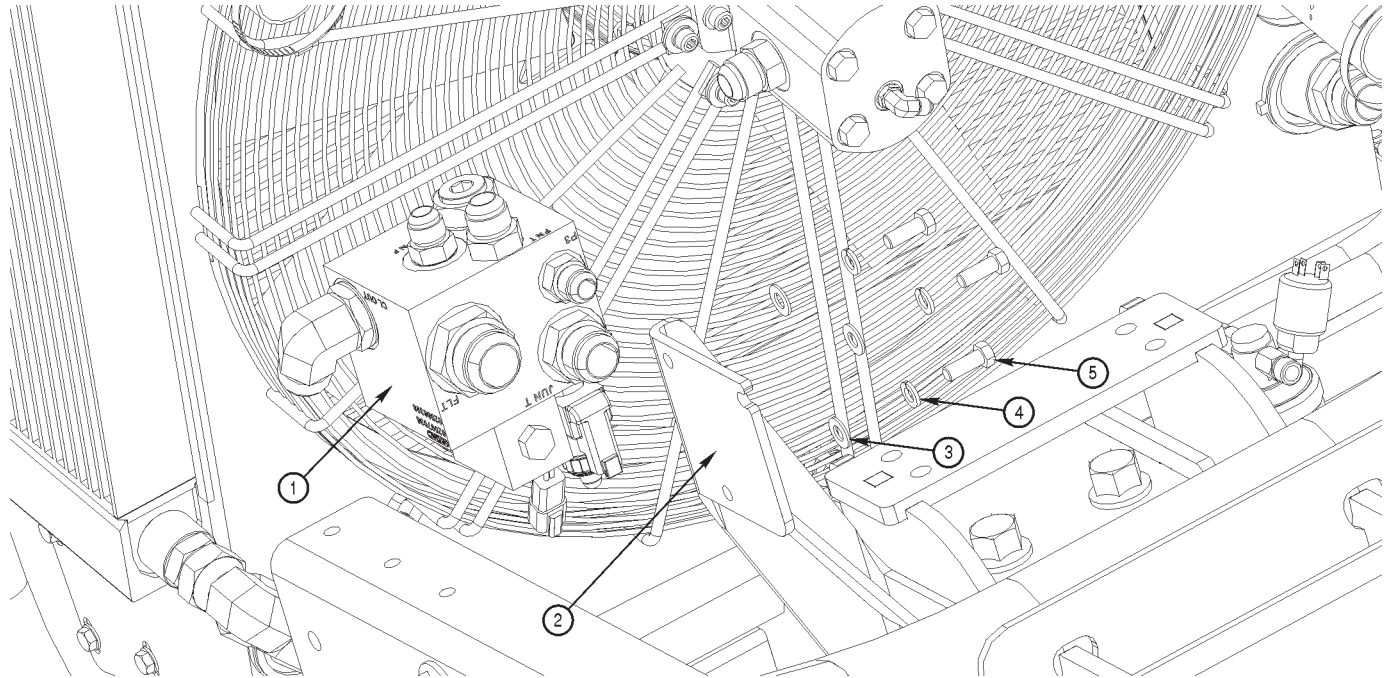
## All Models



| Item | Part Number | Qty | Description                  | Comments            |
|------|-------------|-----|------------------------------|---------------------|
| 1    | 800303445   | 2   | Fitting, 8 FLM X 8 ORM ST    |                     |
| 2    | 301301120   | 2   | Accumulator, Brake           | Charged to 1200 PSI |
| 3    | 301301121   | 2   | Clamp, Brake Accumulator     |                     |
| 4    | 900002815   | 4   | Bolt, HHCS 3/8-16 X 1" G5 ZP |                     |
| 5    | 890000115   | 2   | Bracket, Accumulator         |                     |
| 6    | 901003020   | 4   | Nut, Nylock 3/8-16 ZP        |                     |
|      | 700020101   | 1   | Switch, Brake Pressure       | Not shown           |
|      | 800404226   | 1   | Fitting, 8 ORB X 1/8 NPTF    | Not shown           |

# Fan Block Manifold Mounting

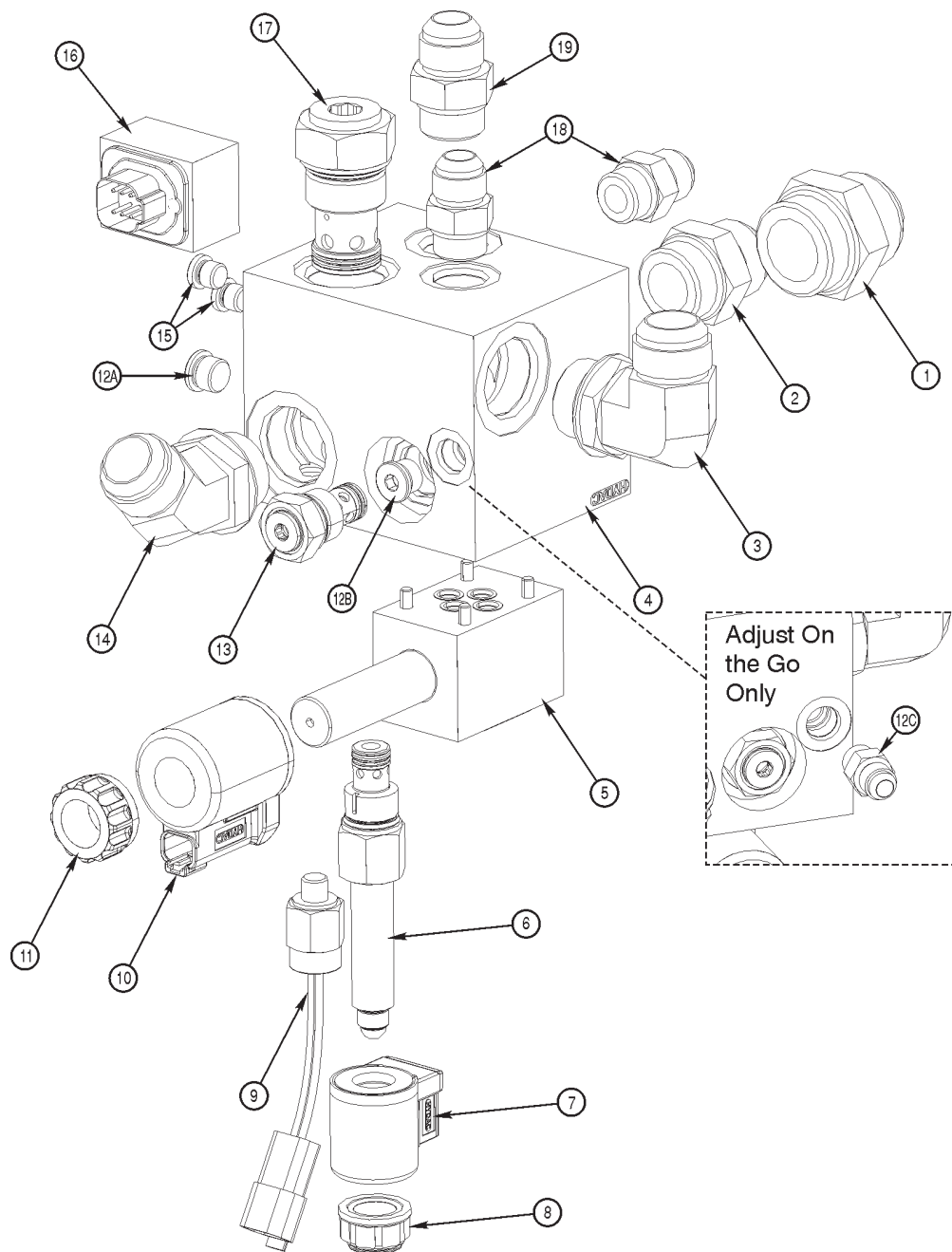
## All Models



| Item | Part Number | Qty | Description                 | Comments |
|------|-------------|-----|-----------------------------|----------|
| 1    | 810000120   | 1   | Manifold, Fan Block         |          |
| 2    | 100100117   | 1   | Bracket, Fan Block 2012     |          |
| 3    | 902003045   | 3   | Washer, Flat 3/8 G5 ZP      |          |
| 4    | 902003200   | 3   | Washer, Lock 3/8 G5 ZP      |          |
| 5    | 900002815   | 3   | Bolt, HHCS 3/8-16 x 1 G5 ZP |          |
|      |             |     |                             |          |
|      |             |     |                             |          |
|      |             |     |                             |          |
|      |             |     |                             |          |
|      |             |     |                             |          |

# Fan Block Manifold

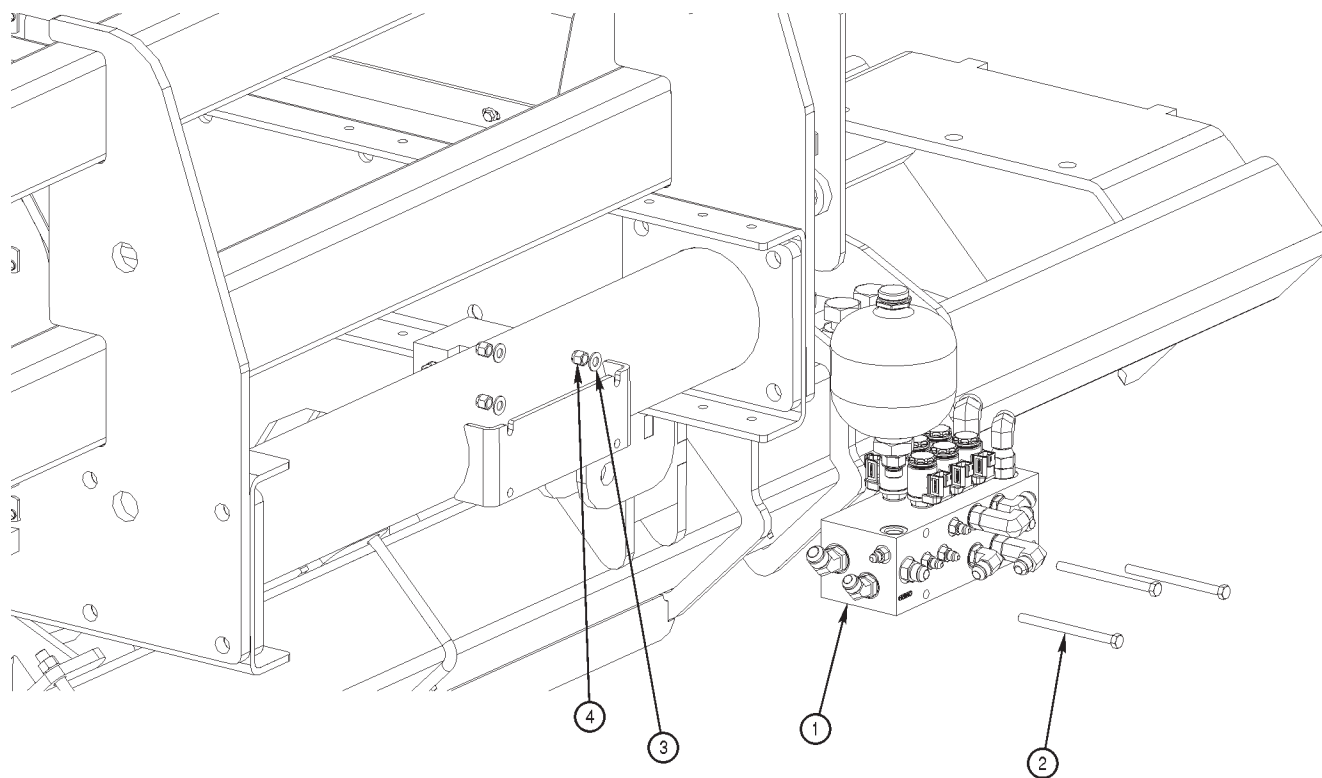
## All Models



| Item | Part Number | Qty | Description                         | Comments                                       |
|------|-------------|-----|-------------------------------------|------------------------------------------------|
| 1    | 800050280   | 1   | Fitting, 20 FLM x 20 ORM ST         |                                                |
| 2    | 800302410   | 1   | Fitting, 16 FLM x 16 ORM ST         |                                                |
| 3    | 800404265   | 1   | Fitting, 16 FLM x 16 ORM 90         |                                                |
| 4    | 810000120   | 1   | Manifold, Fan Block                 |                                                |
| 5    | 810000084   | 1   | Directional Control Valve 4/2       |                                                |
| 6    | 810000082   | 1   | Proportional Valve, Pressure Relief |                                                |
| 7    | 810000085   | 1   | Coil, 12V Hydac Prop Valve 2.2      |                                                |
| 8    | 810000066   | 1   | Nut, Hydac Coil Size 8 Open         |                                                |
| 9    | 700020112   | 1   | Switch, Temp NC 200F 1/4 ORB        |                                                |
| 10   | 810000086   | 1   | Coil, 12V Hydac Size 10             |                                                |
| 11   | 810000087   | 1   | Nut, Coil Hydac Size 10             |                                                |
| 12A  | 800000690   | 1   | Plug, ST THD O R HEX 6408-6         |                                                |
| 12B  | 800000690   | 1   | Plug, ST THD O R HEX 6408-6         | Use plug if not equipped with Adjust On the Go |
| 12C  | 800303022   | 1   | Fitting, 6 FLM x 6 ORM ST           | Use fitting if equipped with Adjust On the Go  |
| 13   | 810000083   | 1   | Check Valve, 5 PSI, SAE8 Hydac      |                                                |
| 14   | 800302504   | 1   | Fitting, 16 FLM x 16 ORM 45         |                                                |
| 15   | 800000550   | 2   | Plug, SAE 2 ORB Hollow Hex          |                                                |
| 16   | 750000020   | 1   | Fan Control Module 2012             |                                                |
| 17   | 810000029   | 1   | Check Valve , 100 PSI               | Seal Kit P/N 810000058                         |
| 18   | 800303120   | 1   | Fitting, 12 FLM x 12 ORM ST         |                                                |
| 19   | 800302242   | 2   | Fitting, 10 FLM x 10 ORM ST         |                                                |

# Suspension Manifold / Back Rack Accumulator Manifold Mounting

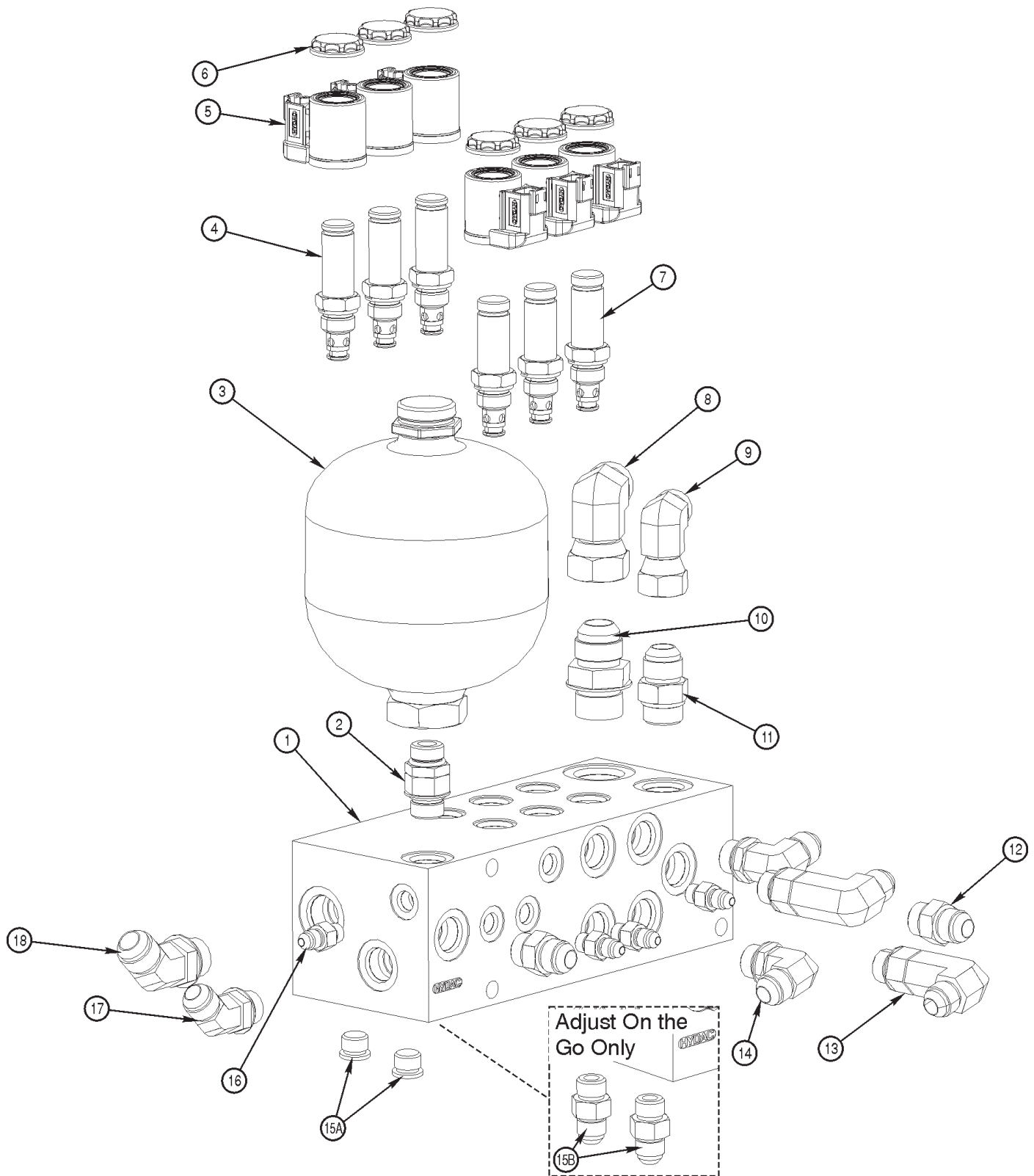
## All Models



| Item | Part Number | Qty | Description               | Comments |
|------|-------------|-----|---------------------------|----------|
| 1    | 810000105   | 1   | Manifold, Suspension 2012 |          |
| 2    | 900000490   | 3   | Bolt, HHCS 3/8-16 x 5 G5  |          |
| 3    | 902003045   | 3   | Washer, Flat 3/8 ZP       |          |
| 4    | 901003020   | 3   | Nut, Nylock 3/8-16 ZP     |          |
|      |             |     |                           |          |
|      |             |     |                           |          |
|      |             |     |                           |          |

# Suspension Manifold / Back Rack Accumulator Manifold

All Models

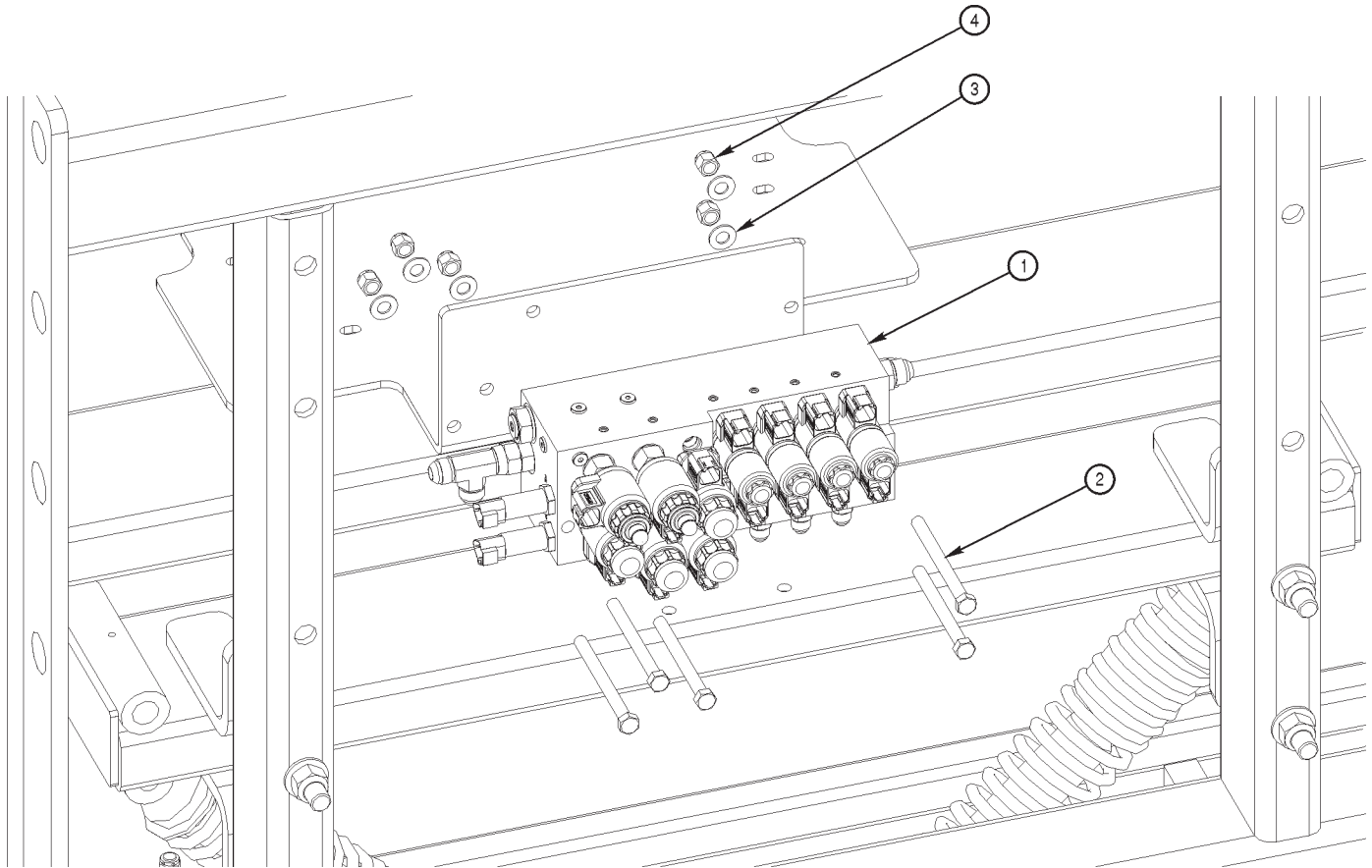




| Item | Part Number | Qty | Description                         | Comments                                        |
|------|-------------|-----|-------------------------------------|-------------------------------------------------|
| 1    | 810000105   | 1   | Manifold, Suspension                |                                                 |
| 2    | 800302140   | 1   | Fitting, 8 ORM x 8 ORM              |                                                 |
| 3    | 600901512   | 1   | Accumulator, Backrack 60 Cubic Inch | 200 PSI                                         |
| 4    | 810000033   | 3   | Valve, Solenoid                     | Seal Kit P/N 810000053                          |
| 5    | 810000040   | 3   | Coil, Hydac 12 Volt                 |                                                 |
| 6    | 810000041   | 6   | Nut, Coil Short                     |                                                 |
| 7    | 810000032   | 3   | Valve, Solenoid                     | Seal Kit P/N 810000053                          |
| 8    | 800403625   | 1   | Fitting, 12 FLM x 12 FLF 90         |                                                 |
| 9    | 800302425   | 1   | Fitting, 10 FLM x 10 FLF 90         |                                                 |
| 10   | 800303120   | 1   | Fitting, 12 FLM x 12 ORM ST         |                                                 |
| 11   | 800302242   | 1   | Fitting, 10 FLM x 10 ORM ST         |                                                 |
| 12   | 800303030   | 2   | Fitting, 8 FLM x 8 ORM ST           |                                                 |
| 13   | 800302152   | 2   | Fitting, 8FLM X 8ORM 90 EXT         |                                                 |
| 14   | 800404230   | 2   | Fitting, 8FLM X 8ORM 90             |                                                 |
| 15A  | 800000690   | 2   | Plug, StTTHD O R Hex 6408-6         | Use plugs if not equipped with Adjust On the Go |
| 15B  | 800303022   | 2   | Fitting, 6 FLM x 6 ORM ST           | Use fittings if equipped with Adjust On the Go  |
| 16   | 800302185   | 4   | Fitting, 4 FLM x 4 ORM ST           |                                                 |
| 17   | 800302502   | 1   | Fitting, 8 FLM x 8 ORM 45           |                                                 |
| 18   | 800302499   | 1   | Fitting, 10 FLM x 10 ORB 45         |                                                 |

## Boom Manifold Mounting

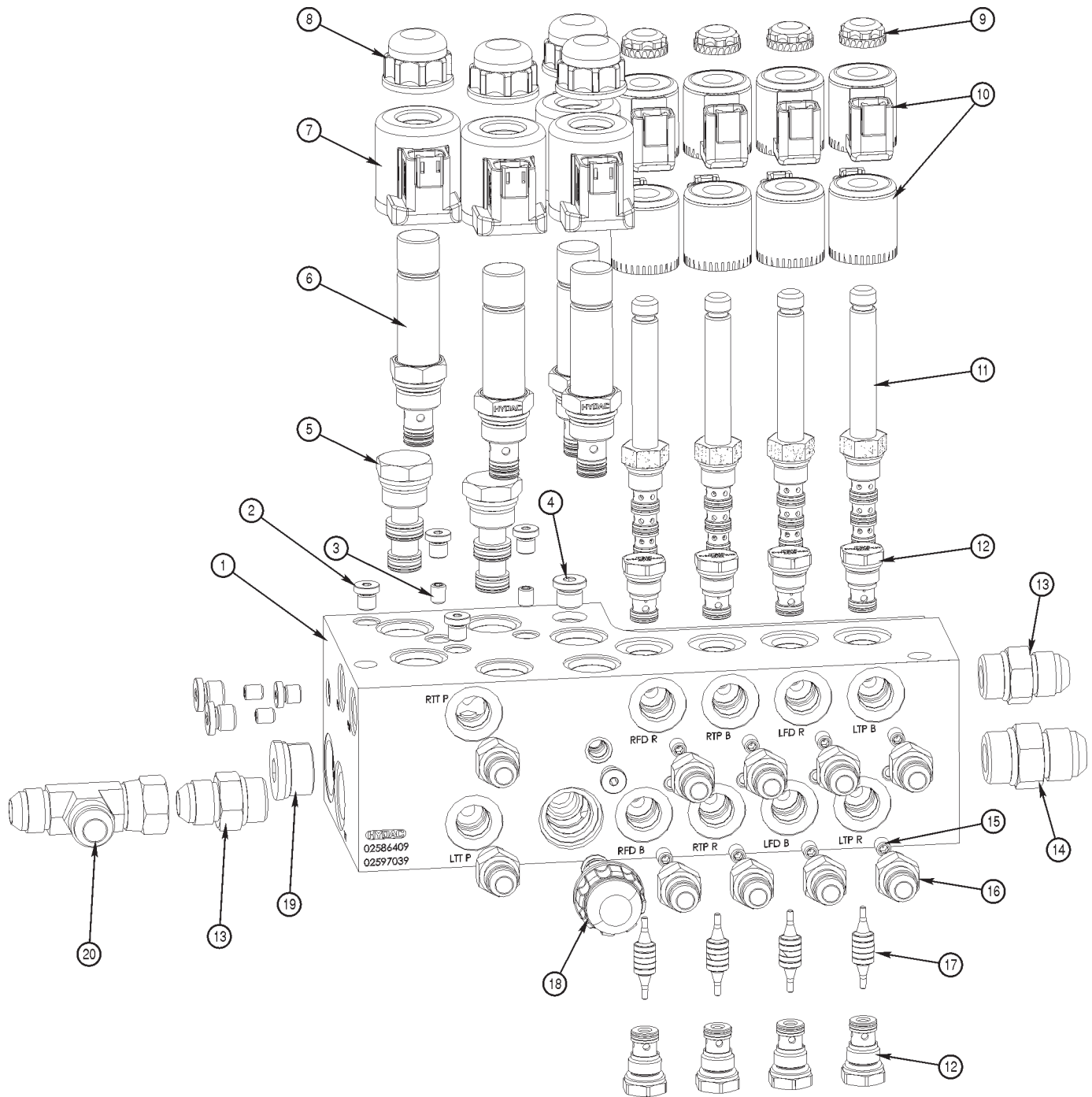
### All Models



| Item | Part Number | Qty | Description                     | Comments |
|------|-------------|-----|---------------------------------|----------|
| 1A   | 810000110   | 1   | Manifold, Boom - AutoBoom Ready |          |
| 1B   | 810000115   | 1   | Manifold, Boom - Plugged        |          |
| 2    | 900002885   | 4   | Bolt, HHCS 3/8-16 x 4" G8       |          |
| 3    | 902003045   | 4   | Washer, FLAT 3/8 ZP             |          |
| 4    | 901003020   | 4   | Nut, Nylock 3/8-16 ZP           |          |
|      |             |     |                                 |          |
|      |             |     |                                 |          |
|      |             |     |                                 |          |
|      |             |     |                                 |          |
|      |             |     |                                 |          |

# Boom Manifold

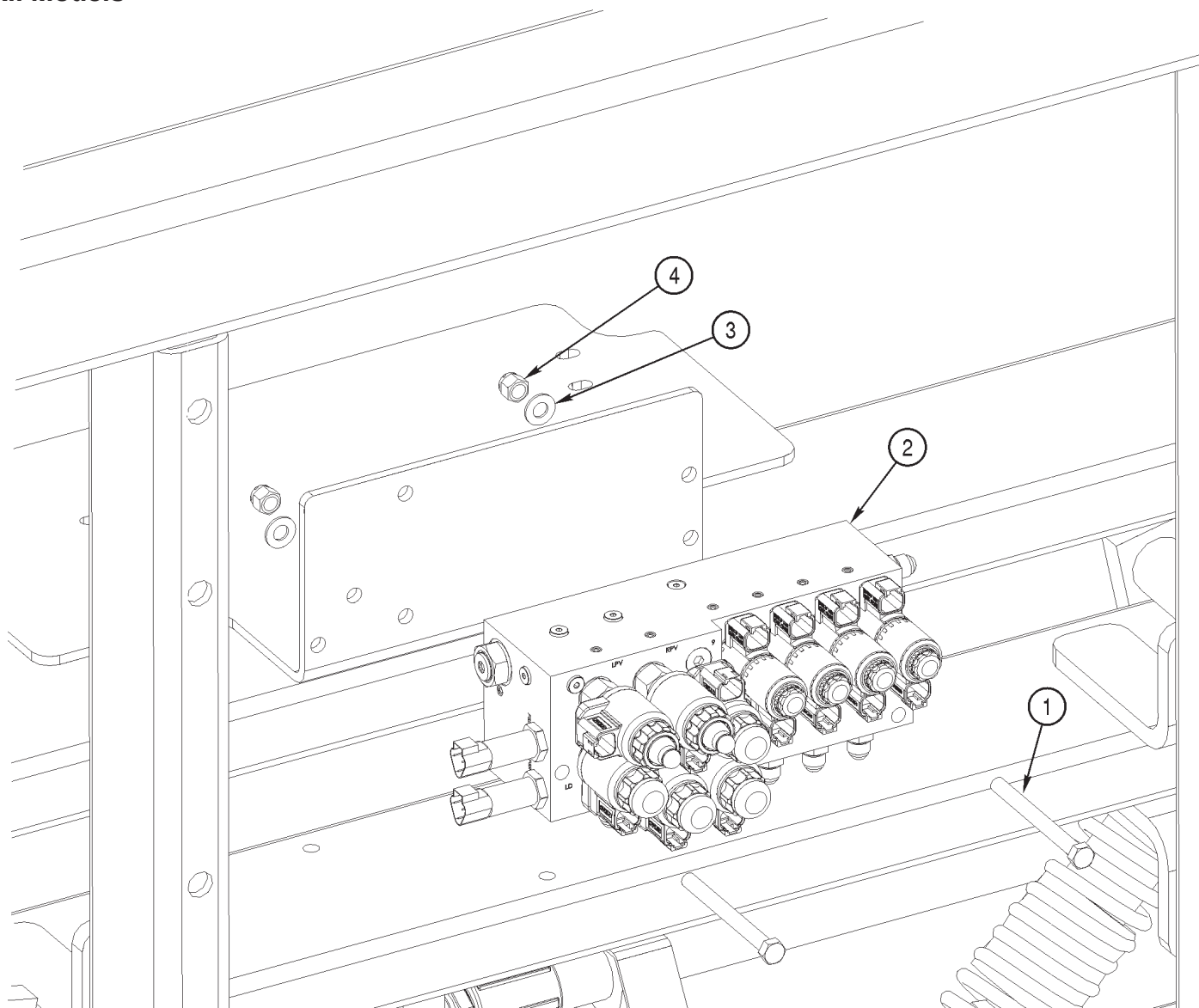
## All Models



| Item | Part Number | Qty | Description                                       | Comments               |
|------|-------------|-----|---------------------------------------------------|------------------------|
| 1    | 810000115   | 1   | Manifold, Boom - Plugged                          |                        |
| 2    | 800000550   | 8   | Plug, SAE2 ORB Hollow Hex                         |                        |
| 3    | 800302301   | 2   | Orifice, 14-20 Plug 0.060 DIA                     |                        |
| 4    | 800000560   | 3   | Plug, SAE 4 ORB Hollow Hex                        |                        |
| 5    | 810000081   | 2   | Cavity Plug, Hydac SAE 8, 3 Way                   |                        |
| 6    | 810000063   | 4   | Solenoid Valve, Left and Right Up/Down            | Seal Kit P/N 810000053 |
| 7    | 810000040   | 4   | Coil, Hydac 12 volt                               |                        |
| 8    | 810000064   | 4   | Nut, Hydac Coil Size 8                            |                        |
| 9    | 810000060   | 4   | Nut, Hydac Coil Size 6                            |                        |
| 10   | 810000062   | 8   | Coil, 12 Volt Size 6                              |                        |
| 11   | 810000059   | 4   | Valve, Solenoid                                   | Seal Kit P/N 810000069 |
| 12   | 810000061   | 8   | Check Valve, Boom Manifold                        | Seal Kit P/N 810000055 |
| 13   | 800303030   | 2   | Fitting, 8 FLM x 8 ORM ST                         |                        |
| 14   | 800302242   | 1   | Fitting, 10 FLM x 10 ORM ST                       |                        |
| 15   | 800302304   | 6   | Orifice, 14-20 Plug 0.040 DIA                     |                        |
| 16   | 800303022   | 10  | Fitting, 6 FLM x 6 ORM ST                         |                        |
| 17   | 810000078   | 4   | Pilot Piston, Dual, Size 6                        |                        |
| 18   | 810000079   | 1   | Control Valve, Directional Manually Operated      |                        |
| 19   | 800000600   | 1   | Plug, HHPL 5/8" 10 orm                            |                        |
| 20   | 800501060   | 1   | Tee, Swivel nut Run 8 JIC                         |                        |
|      |             |     |                                                   |                        |
|      | K65000231   |     | Kit, PowerGlide AutoBoom 2012 Models              |                        |
|      | K65000232   |     | Kit, UltraGlide 2012 Models                       |                        |
|      | K65000233   |     | Kit, UltraGlide w/ wheels 2012 Models             |                        |
|      | K65000236   |     | Kit, UltraGlide - 5 eyes 2012 Models              |                        |
|      | K65000237   |     | Kit, Powerglide AutoBoom w/center eye 2012 Models |                        |

## Boom Manifold Mounting (AutoBoom Ready)

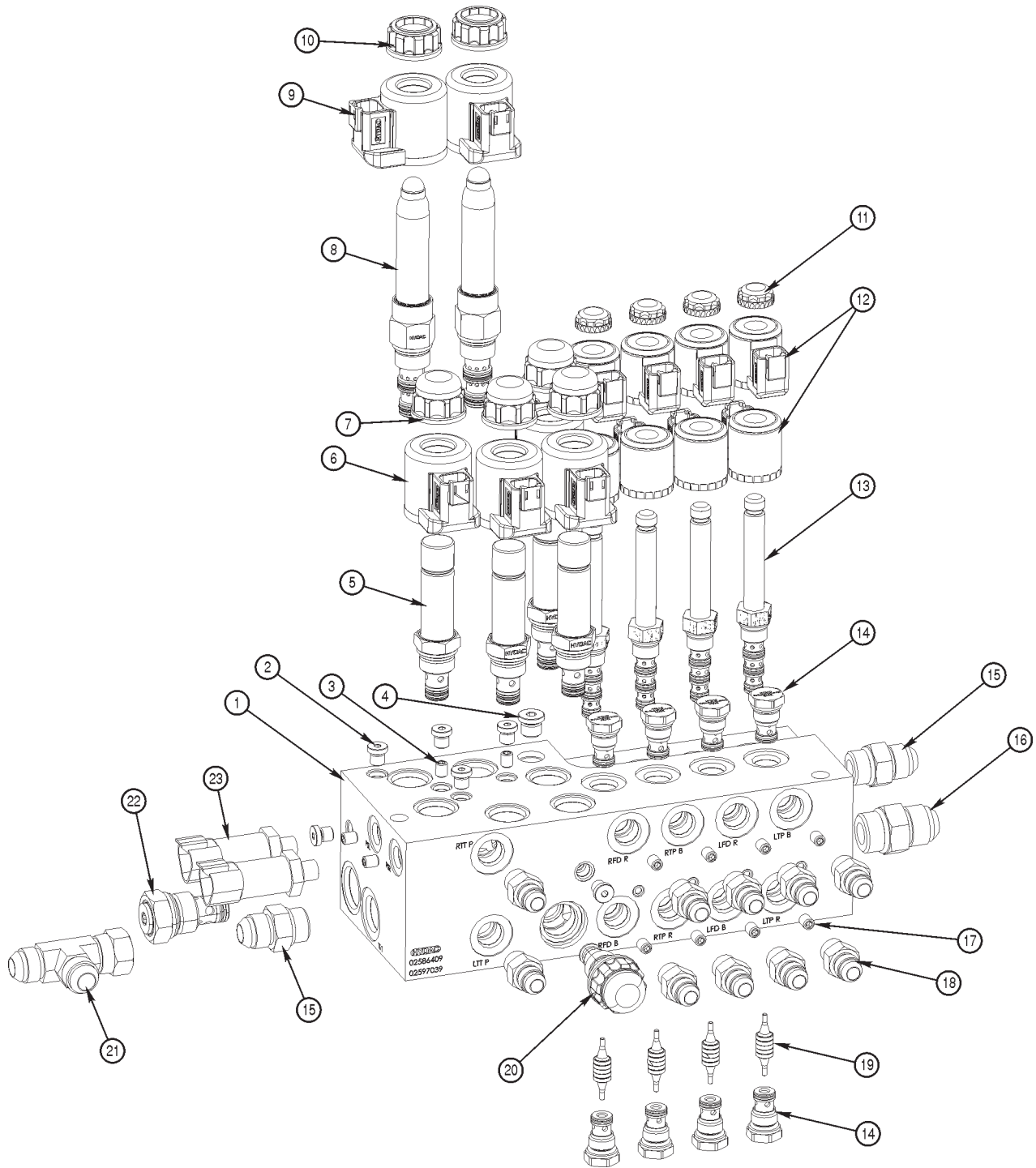
### All Models



| Item | Part Number | Qty | Description                     | Comments |
|------|-------------|-----|---------------------------------|----------|
| 1    | 900002885   | 2   | Bolt, HHCS 3/8-16 x 4 G8        |          |
| 2A   | 810000110   | 1   | Manifold, Boom - AutoBoom Ready |          |
| 2B   | 810000115   | 1   | Manifold, Boom - Plugged        |          |
| 3    | 902003210   | 2   | Washer, Flat 1/2" G5 ZP         |          |
| 4    | 901003020   | 2   | Nut, Nylock 3/8"                |          |
|      |             |     |                                 |          |
|      |             |     |                                 |          |
|      |             |     |                                 |          |
|      |             |     |                                 |          |
|      |             |     |                                 |          |

# Boom Manifold (AutoBoom Ready)

## All Models

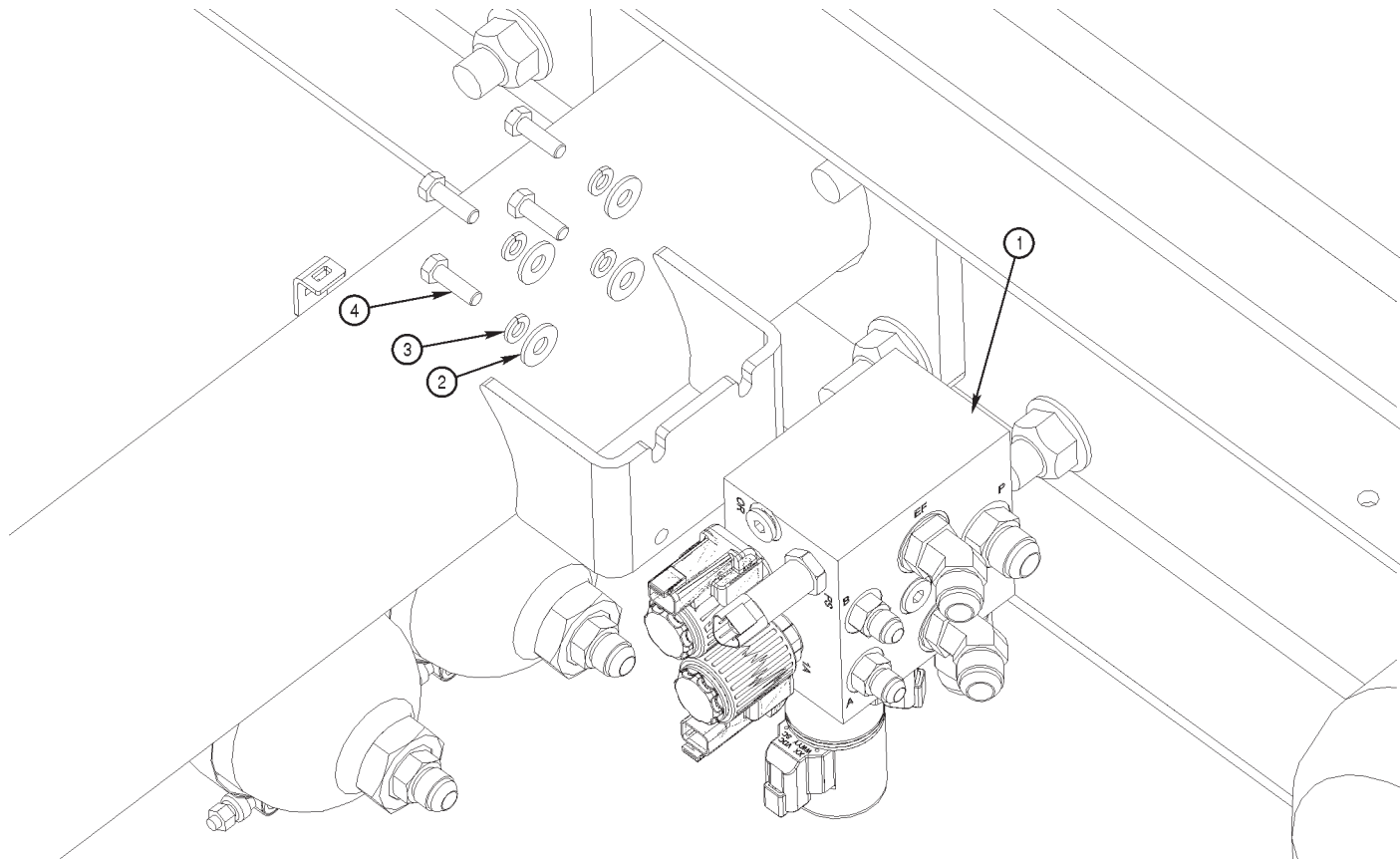




| Item | Part Number | Qty | Description                                           | Comments               |
|------|-------------|-----|-------------------------------------------------------|------------------------|
| 1    | 810000110   | 1   | Manifold, Boom - AutoBoom Ready                       |                        |
| 2    | 800000550   | 8   | Plug, SAE2 ORB Hollow Hex                             |                        |
| 3    | 800302301   | 4   | Orifice, 14-20 Plug 0.060 DIA                         |                        |
| 4    | 800000560   | 1   | Plug, SAE 4 ORB Hollow Hex                            |                        |
| 5    | 810000063   | 4   | Solenoid Valve, Left and Right Up/Down                | Seal Kit P/N 810000053 |
| 6    | 810000040   | 4   | Coil, Hydac 12 volt                                   |                        |
| 7    | 810000064   | 4   | Nut, Hydac Coil Size 8                                |                        |
| 8    | 810000065   | 2   | Solenoid Valve, Proportional, Left and Right Pressure | Seal Kit P/N 810000057 |
| 9    | 810000080   | 2   | Coil, 12 Volt Hydac Prop Valve                        |                        |
| 10   | 810000066   | 2   | Nut, Hydac Coil Size 8 Open                           |                        |
| 11   | 810000060   | 4   | Nut, Hydac Coil Size 6                                |                        |
| 12   | 810000062   | 8   | Coil, 12 Volt Size 6                                  |                        |
| 13   | 810000059   | 4   | Valve, Solenoid                                       |                        |
| 14   | 810000061   | 8   | Check Valve, Boom Manifold                            | Seal Kit P/N 810000069 |
| 15   | 800303030   | 2   | Fitting, 8 FLM x 8 ORM ST                             | Seal Kit P/N 810000055 |
| 16   | 800302242   | 1   | Fitting, 10 FLM x 10 ORM ST                           |                        |
| 17   | 800302304   | 6   | Orifice, 14-20 Plug 0.040 DIA                         |                        |
| 18   | 800303022   | 10  | Fitting, 6 FLM x 6 ORM ST                             |                        |
| 19   | 810000078   | 4   | Pilot Piston, Dual, Size 6                            |                        |
| 20   | 810000079   | 1   | Control Valve, Directional Manually Operated          |                        |
| 21   | 800501060   | 1   | Tee, Swivel nut Run 8 JIC                             |                        |
| 22   | 810000067   | 1   | Check Valve, AutoBoom Manifold                        |                        |
| 23   | 611000186   | 2   | Pressure Transducer                                   |                        |
|      |             |     |                                                       |                        |
|      | K65000231   |     | Kit, Powerglide AutoBoom 2012 Models                  |                        |
|      | K65000232   |     | Kit, Ultraglride 2012 Models                          |                        |
|      | K65000233   |     | Kit, Ultraglride w/ Wheels 2012 Models                |                        |
|      | K65000236   |     | Kit, Ultraglride - with 5Eeyes 2012 Models            |                        |
|      | K65000237   |     | Kit, Powerglide AutoBoom with Center Eye 2012 Models  |                        |

# AutoSteer Manifold Mounting

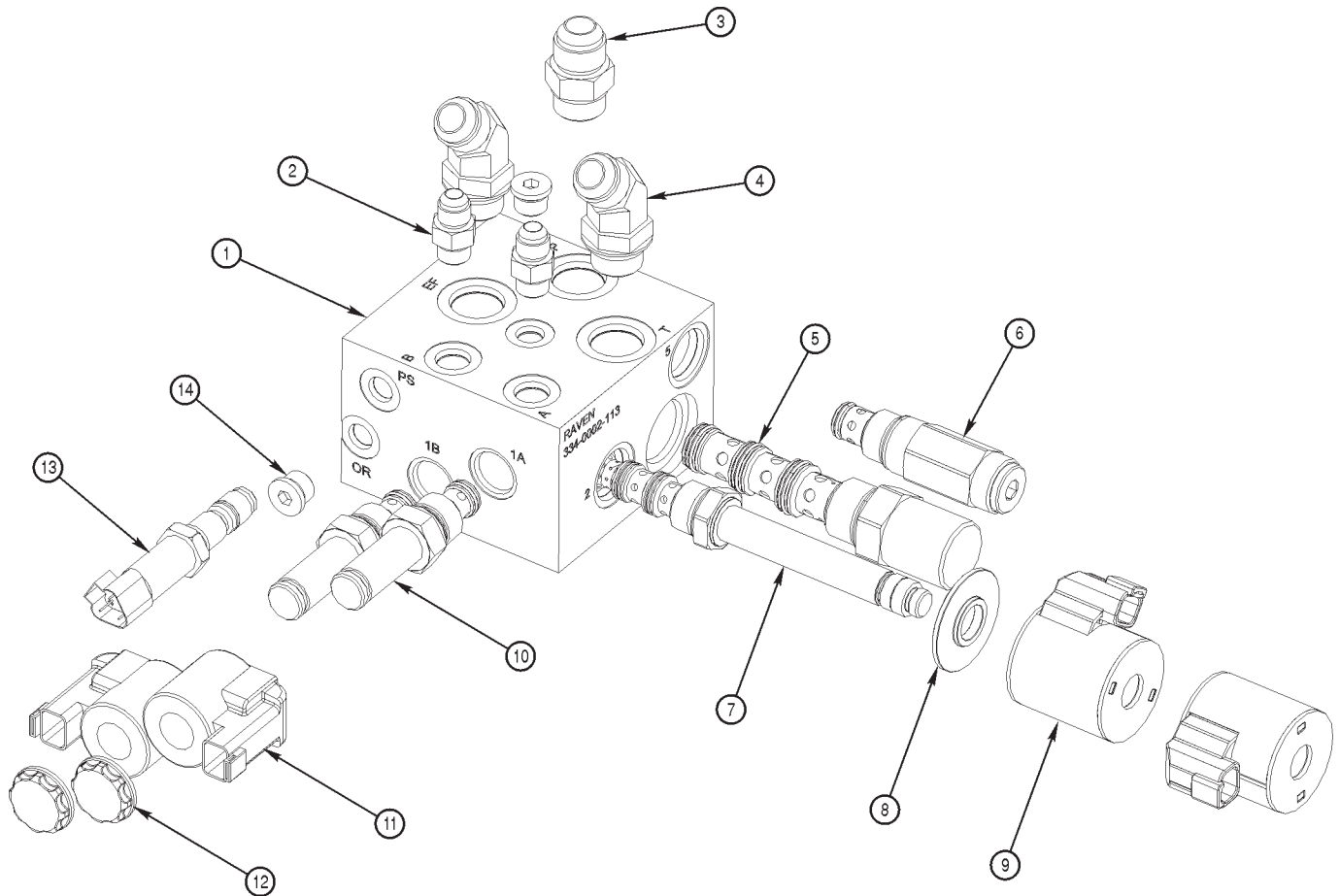
## All Models



| Item | Part Number | Qty | Description                   | Comments |
|------|-------------|-----|-------------------------------|----------|
| 1    | 740000135   | 1   | Valve, SmarTrax AutoSteer     |          |
| 2    | 902003195   | 4   | Washer, Flat 5/16 G5 ZP       |          |
| 3    | 902201095   | 4   | Washer, Lock 5/16 ZP          |          |
| 4    | 900002610   | 4   | Bolt, HHCS 5/16-18 X 1" G5 ZP |          |
|      | K65000229   |     | Kit, AutoSteer 2012           |          |

# AutoSteer Manifold

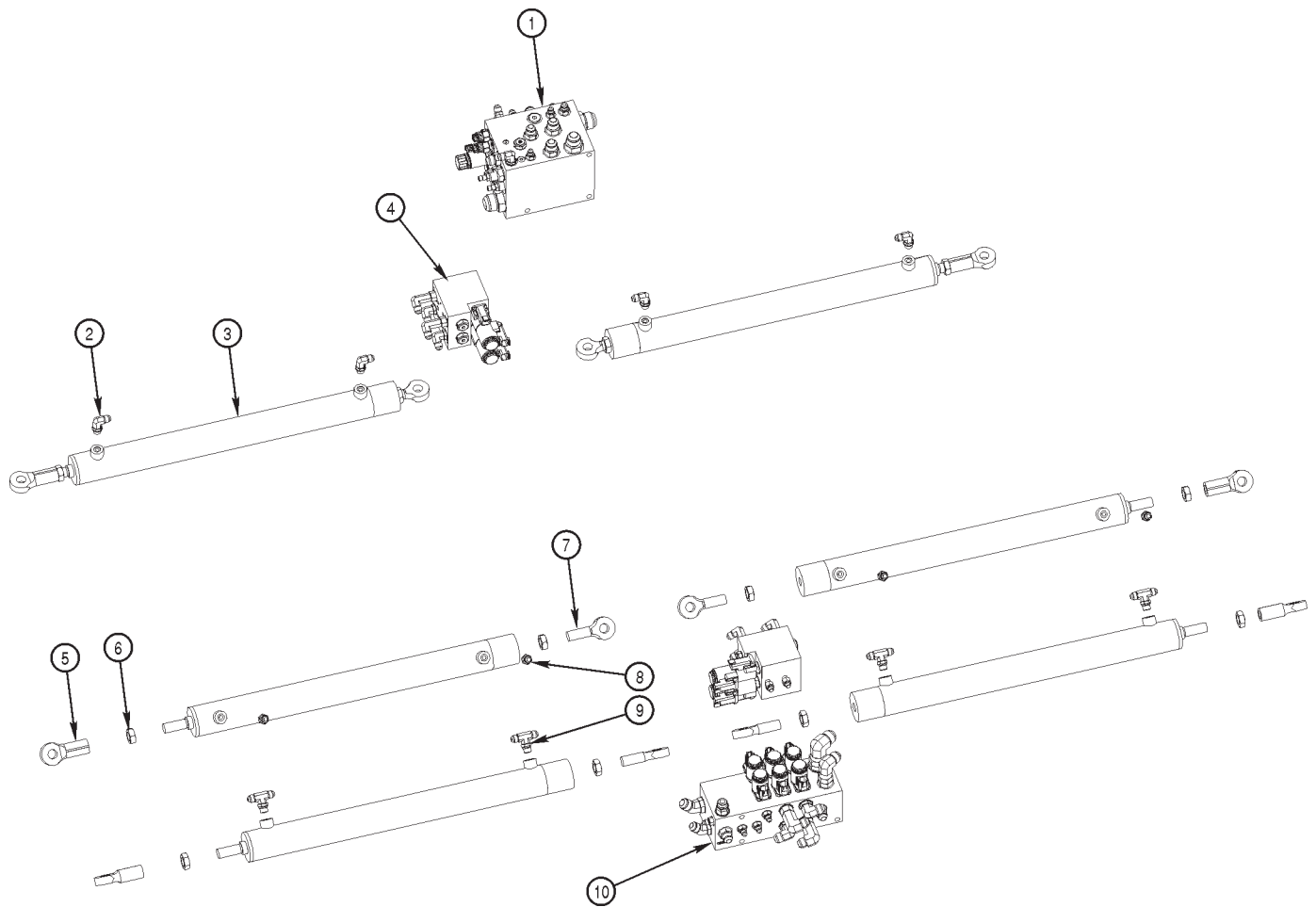
## All Models



| Item | Part Number | Qty | Description                          | Comments |
|------|-------------|-----|--------------------------------------|----------|
| 1    | 740000135   | 1   | Valve, SmarTrax AutoSteer            |          |
| 2    | 800303022   | 2   | Fitting, 6 FLM x 6 ORM ST            |          |
| 3    | 800302242   | 1   | Fitting, 10 FLM X 10 ORM ST          |          |
| 4    | 800302499   | 2   | Fitting, 10 FLM x 10 ORB 45          |          |
| 5    | 810000073   | 1   | Pressure Comp Size 12                |          |
| 6    | 810000074   | 1   | Relief Cartridge Size 10             |          |
| 7    | 810000072   | 1   | Solenoid Valve, Proportional Size 10 |          |
| 8    | 810000076   | 1   | Spacer, Coil, 12V Size 10            |          |
| 9    | 810000075   | 2   | Coil, 12V Size 10                    |          |
| 10   | 810000033   | 2   | Solenoid Valve                       |          |
| 11   | 810000040   | 2   | Coil, Hydac 12 Volt                  |          |
| 12   | 810000041   | 2   | Nut, Hydac Coil Short                |          |
| 13   | 611000186   | 1   | Pressure transducer                  |          |
| 14   | 800000690   | 2   | Plug, ST THD O-ring Hex 6408-6       |          |
|      | 740000065   | 1   | Switch, Floor SmarTrax               |          |
|      | A00000092   |     | AutoSteer Fitting kit                |          |
|      | A00000093   |     | AutoSteer Hose kit                   |          |
|      | K65000229   |     | Kit, AutoSteer 2012                  |          |

# Adjust On the Go

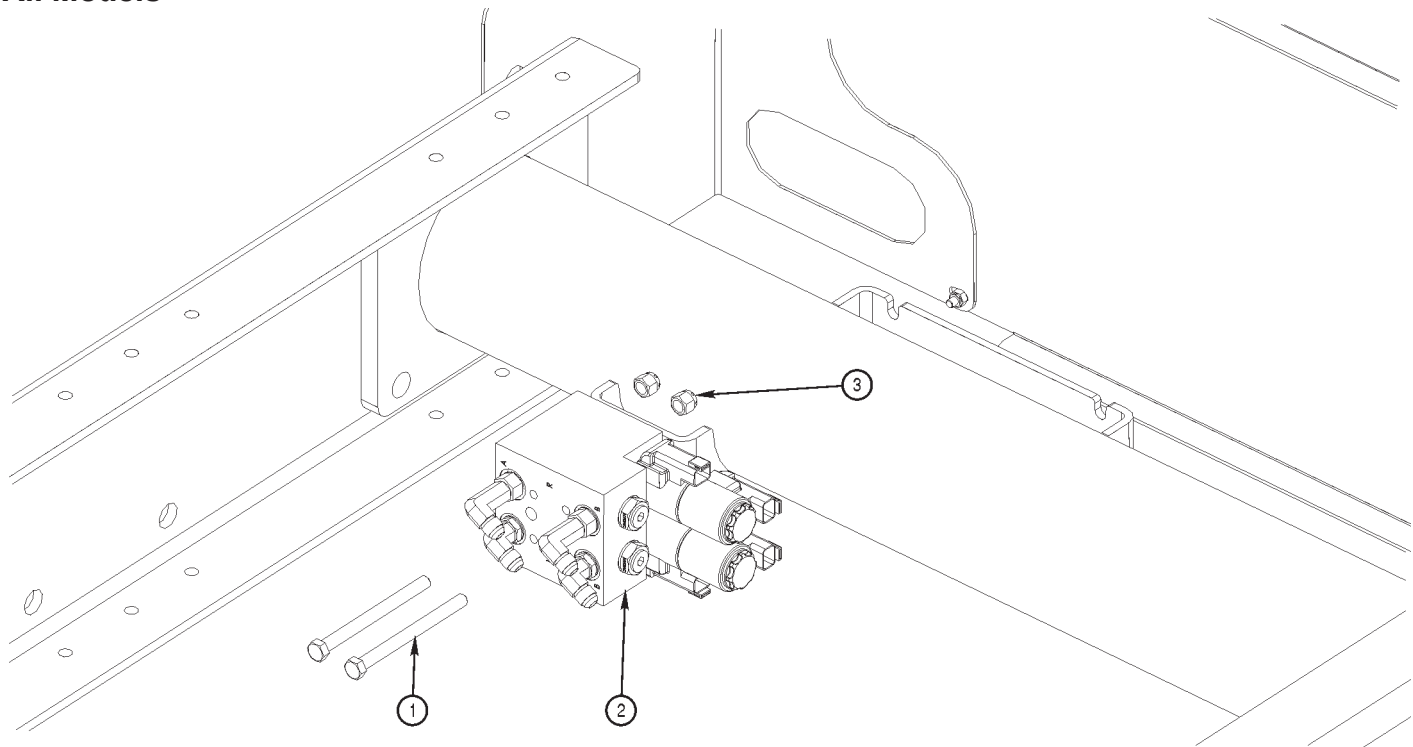
## All Models



| Item | Part Number | Qty | Description                    | Comments |
|------|-------------|-----|--------------------------------|----------|
| 1    | 810000100   | 1   | Manifold, Junction             |          |
| 2    | 800404215   | 4   | Fitting, 6 FLM X 6 ORM 90      |          |
| 3    | 850000005   | 6   | Cylinder, AOG                  |          |
| 4    | 810000020   | 2   | Manifold, Adjust on the go     |          |
| 5    | 100106118   | 6   | Ball Joint, Female R/H Thread  |          |
| 6    | 901002117   | 12  | Nut, Jam 3/4-16                |          |
| 7    | 100106117   | 6   | Ball Joint, Male R/H Thread    |          |
| 8    | 800303022   | 4   | Fitting, 6 FLM X 6 ORM ST      |          |
| 9    | 800502805   | 4   | Fitting, 6 FLM X 6 FLF X 6 FLM |          |
| 10   | 810000105   | 1   | Manifold, Suspension           |          |
|      | K65000035   |     | Kit, AOG 2005                  |          |
|      | K65000186   |     | Kit, AOG 2006 - 2010           |          |
|      | K65000201   |     | Kit, AOG 2011                  |          |
|      | K65000222   |     | Kit, AOG 2012                  |          |
|      | A00000089   |     | Kit, AOG Hose                  |          |
|      | A00000088   |     | Kit, AOG Fitting               |          |

# Adjust On the Go Manifold Front Mounting

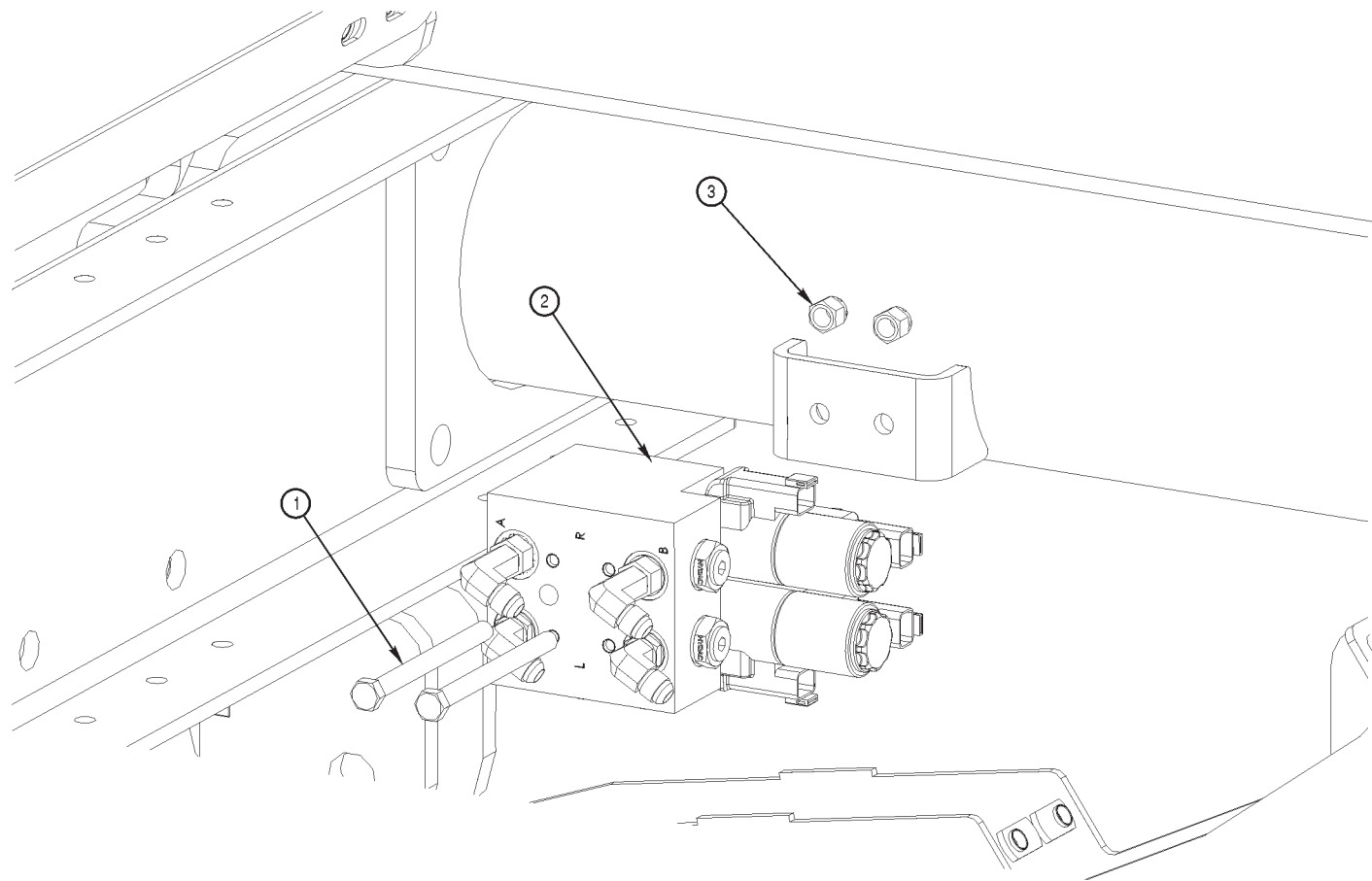
## All Models



| Item | Part Number | Qty | Description                | Comments |
|------|-------------|-----|----------------------------|----------|
| 1    | 900000490   | 2   | Bolt, HHCS 3/8-16 x 5 G5   |          |
| 2    | 810000020   | 1   | Manifold, Adjust on the Go |          |
| 3    | 901003020   | 2   | Nut, Nylock 3/8-16"        |          |
|      | K65000222   |     | Kit, AOG 2012              |          |
|      | A00000089   |     | Kit, AOG Hose              |          |
|      | A00000088   |     | Kit, AOG Fitting           |          |
|      |             |     |                            |          |
|      |             |     |                            |          |
|      |             |     |                            |          |

# Adjust On the Go Manifold Rear Mounting

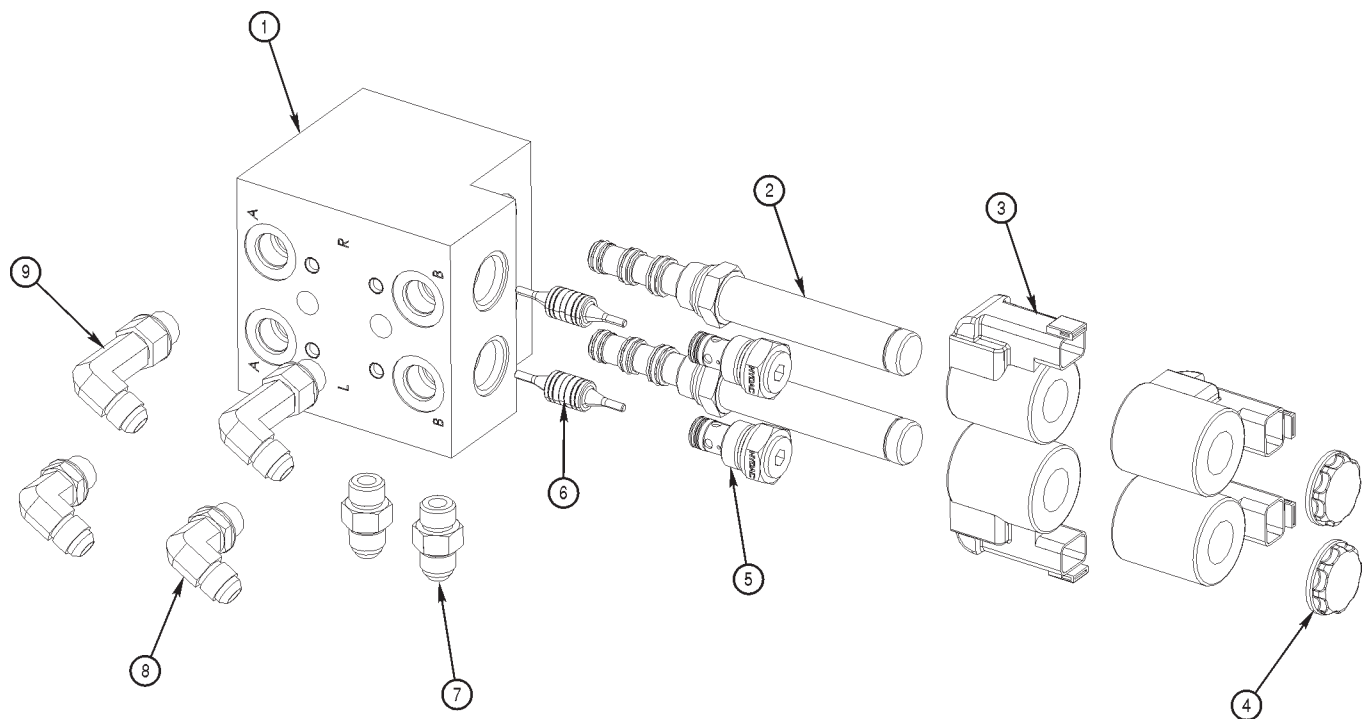
## All Models



| Item | Part Number | Qty | Description                | Comments |
|------|-------------|-----|----------------------------|----------|
| 1    | 900000490   | 2   | Bolt, HHCS 3/8-16 x 5 G5   |          |
| 2    | 810000020   | 1   | Manifold, Adjust on the Go |          |
| 3    | 901003020   | 2   | Nut, Nylock 3/8-16         |          |
|      | K65000222   |     | Kit, AOG 2012              |          |
|      | A00000089   |     | Kit, AOG Hose              |          |
|      | A00000088   |     | Kit, AOG Fitting           |          |
|      |             |     |                            |          |
|      |             |     |                            |          |
|      |             |     |                            |          |

# Adjust On the Go Manifold

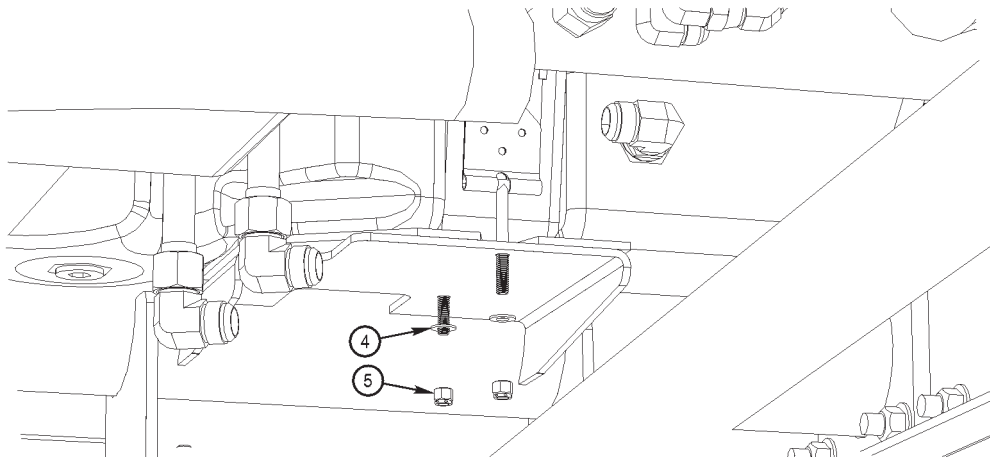
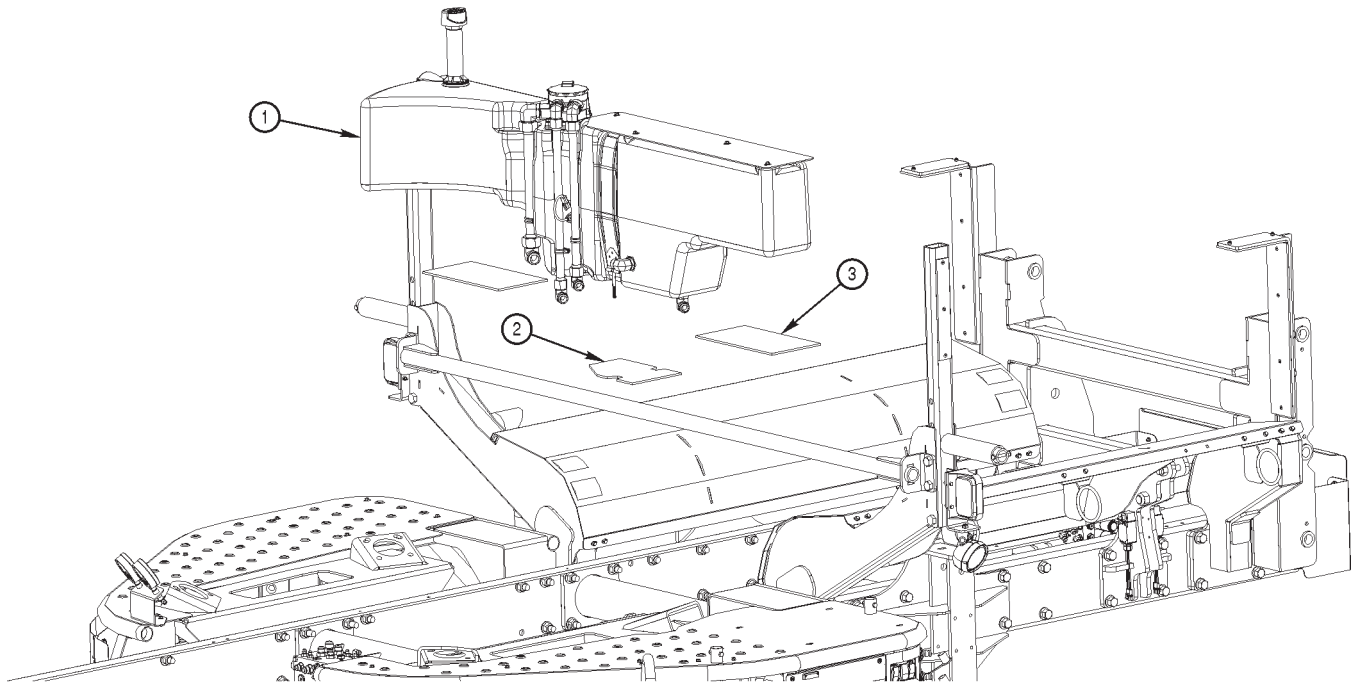
## All Models



| Item | Part Number | Qty | Description                        | Comments |
|------|-------------|-----|------------------------------------|----------|
| 1    | 810000020   | 2   | Manifold, Adjust on the go         |          |
| 2    | 810000034   | 2   | Solenoid Valve                     |          |
| 3    | 810000040   | 4   | Coil, Hydac 12 Volt                |          |
| 4    | 810000041   | 2   | Nut, Hydac Coil Short              |          |
| 5    | 810000070   | 4   | Check Valve, Adjust on the go      |          |
| 6    | 810000071   | 4   | Pilot Piston, ual, Size 8          |          |
| 7    | 800303022   | 4   | Fitting, 6 FLM x 6 ORM ST          |          |
| 8    | 800404215   | 4   | Fitting, 6 FLM X 6 ORM 90          |          |
| 9    | 800302193   | 4   | Fitting, 6 FLM x 6 ORM x Long drop |          |
|      | A00000088   |     | AOG Fitting kit                    |          |
|      | A00000089   |     | AOG Hose kit                       |          |
|      | K65000222   |     | Kit, AOG 2012                      |          |

# Hydraulic Tank Mounting

## All Models

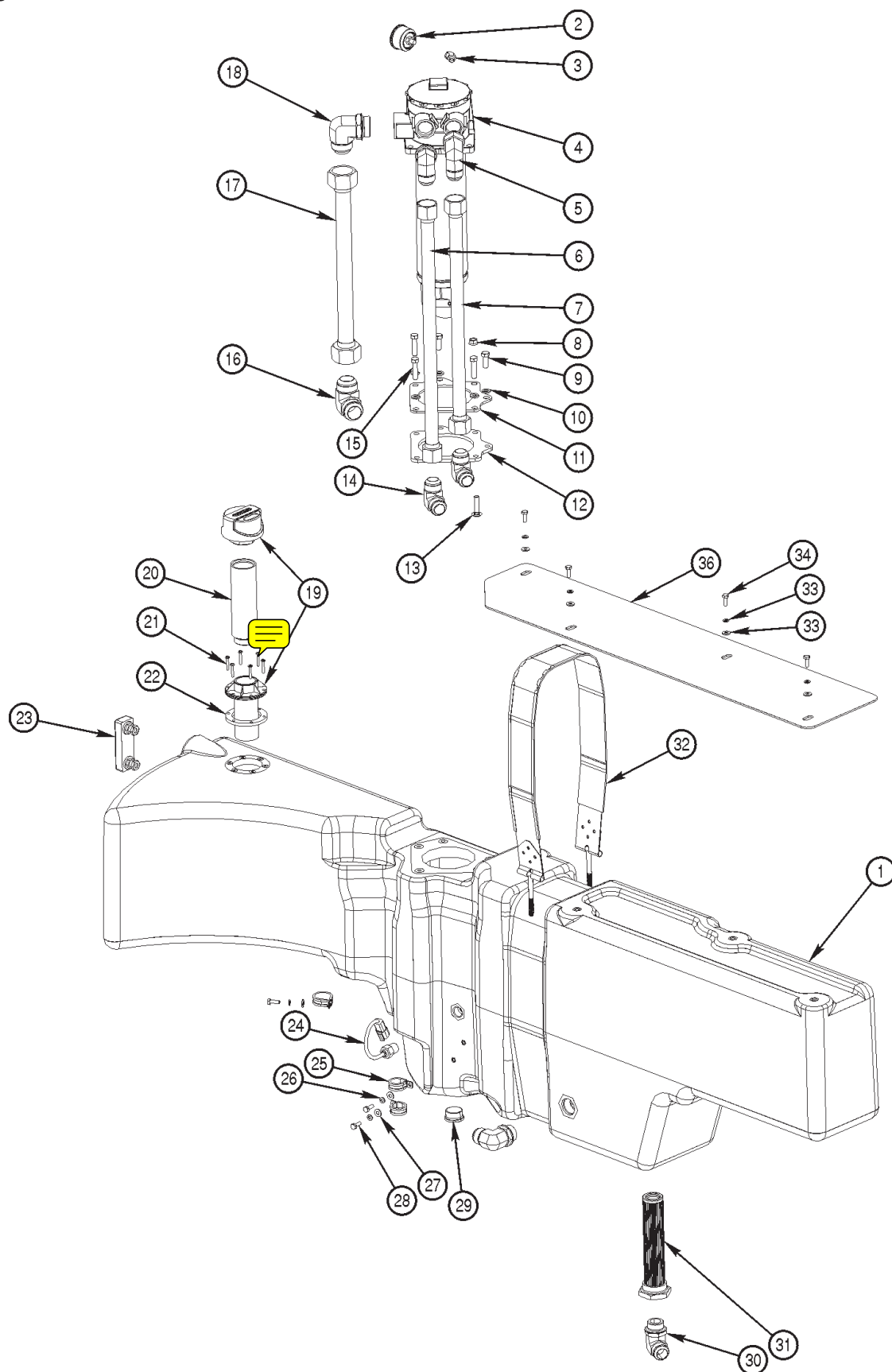




| Item | Part Number | Qty | Description                        | Comments                 |
|------|-------------|-----|------------------------------------|--------------------------|
| 1    | 880000015   | 1   | Tank, Hydraulic                    |                          |
| 2    | 880000036   | 1   | Pad, Rubber, Hydraulic Tank Center |                          |
| 3    | 880000028   | 2   | Pad, Rubber, Hydraulic Tank        |                          |
| 4    | 902003045   | 4   | Washer, Flat 3/8 ZP                | For hydraulic tank strap |
| 5    | 902003020   | 4   | Nut, Nylock 3/8-16 ZP              | For hydraulic tank strap |
|      |             |     |                                    |                          |
|      | K65000209   |     | Kit, Hydraulic Filter              | Includes o-rings         |
|      | K65000210   |     | Kit, Hydraulic Filter with Oil     | Includes o-rings         |
|      | A00000096   | 1   | Kit, Fitting Hydraulic Tank        |                          |

# Hydraulic Tank

## All Models

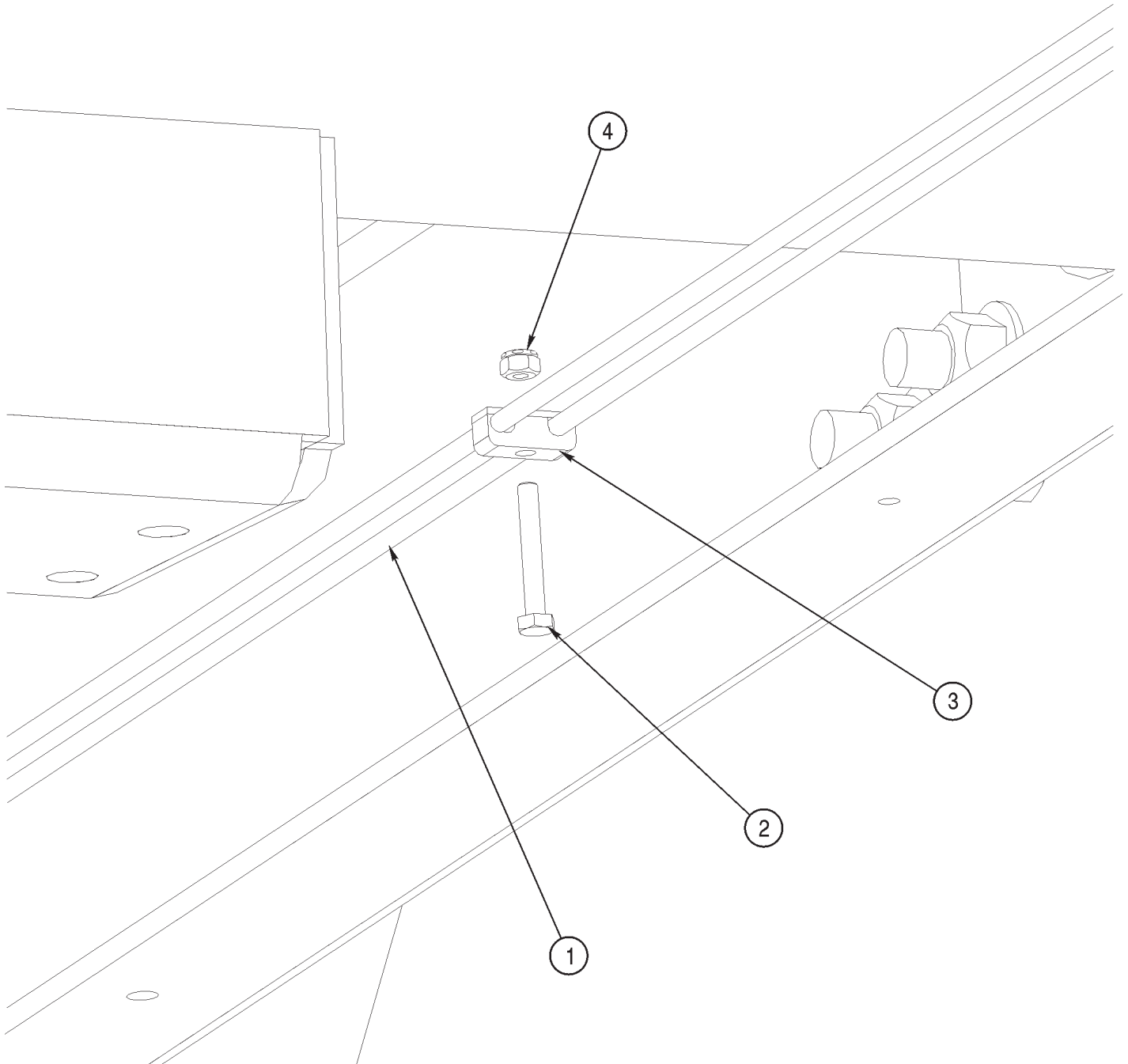


| Item | Part Number | Qty | Description                         | Comments                     |
|------|-------------|-----|-------------------------------------|------------------------------|
| 1    | 880000015   | 1   | Tank, Hydraulic                     |                              |
| 2    | 880000025   | 1   | Indicator, Hydraulic Filter Housing |                              |
| 3    | 800404228   | 1   | Fitting, 1/8 NPTF-M 45 Deg Elbow    |                              |
| 4    | 880000024   | 1   | Assembly, Filter Housing, Hydraulic | Replacement filter 880000026 |
| 5    | 800302419   | 1   | Fitting, 16 FLM X 16 ORM 90 LD      |                              |
| 6    | 880000018   | 1   | Tube, Filter Suction                |                              |
| 7    | 880000019   | 1   | Tube, Filter Suction                |                              |
| 8    | 901101201   | 1   | Nut, Spin Lock 3/8-16 G5            |                              |
| 9    | 900002815   | 2   | Bolt, HHCS 3/8-16 X 1 G5 ZP         |                              |
| 10   | 900002806   | 5   | Washer, Lock 3/8"                   |                              |
| 11   | 880000016   | 1   | Adapter Plate, RKM Filter           |                              |
| 12   | 880000027   | 1   | Gasket, RKM Adapter                 |                              |
| 13   | 9000002835  | 3   | Bolt, HHCS 3/8-16 X 1 1/2 G5 ZP     |                              |
| 14   | 800000021   | 2   | Union, JIC 1" 90 ELBOW 16 ETX-S     |                              |
| 15   | 900002835   | 3   | Bolt, HHCS 3/8-16 X 1 1/2 G5 ZP     |                              |
| 16   | 800000015   | 1   | Union, JIC 1 1/4" 90 20FLM X 20FLM  |                              |
| 17   | 880000017   | 1   | Tube, Filter Return                 |                              |
| 18   | 800404270   | 1   | Fitting, 20 FLM X 20 ORM 90 Deg     |                              |
| 19   | 880000021   | 1   | Assembly, Hydraulic Fill Cap        |                              |
| 20   | 880000022   | 1   | Extension, Hydraulic Fill           |                              |
| 21   | 900002512   | 6   | Capscrew, Buttonhead 10-32 x 3/4"   |                              |
| 22   | 880000031   | 1   | Gasket, Hydraulic Fill Neck 1/4"    |                              |
| 23   | 880000023   | 1   | Sight Glass, Hydraulic Tank         |                              |
| 24   | 700020113   | 1   | Switch, Temp NO 200F 1/2 NPT        |                              |
| 25   | 915002802   | 3   | Band, Insulated 1 1/4"              |                              |
| 26   | 902201085   | 3   | Washer, Lock 1/4IN ZP               |                              |
| 27   | 902003035   | 3   | Washer, Flat 1/4IN ZP               |                              |
| 28   | 900002395   | 4   | Bolt, HHCS 1/4-20 X 3/4 G5 ZP       |                              |
| 29   | 800000641   | 1   | Plug, 1" Hollow Hex O-ring          |                              |
| 30   | 800404265   | 2   | Fitting, 16 FLM X 16 ORM            |                              |
| 31   | 840000010   | 1   | Suction Strainer 1 7/8 - 1          |                              |
| 32   | 880000020   | 1   | Strap, Hydraulic Tank               |                              |
| 33   | 902003035   | 4   | Washer, Flat 1/4" ZP                |                              |
| 34   | 902201085   | 4   | Washer, Lock 1/4" ZP                |                              |
| 35   | 900002395   | 4   | Bolt, HHCS 1/4-20 X 3/4 G5 ZP       |                              |
| 36   | 880000029   | 1   | Treadplate, Hydraulic Tank          |                              |
|      |             |     |                                     |                              |
|      | 880000030   | 1   | Insert, Hydraulic Tank              | Not shown                    |
|      | K65000209   |     | Kit, Hydraulic Filter w/o Oil       |                              |
|      | K65000210   |     | Kit, Hydraulic Filter with Oil      |                              |
|      | A00000096   | 1   | Kit, Fitting Hydraulic Tank         |                              |



# Brake Line Clamps

## All Models



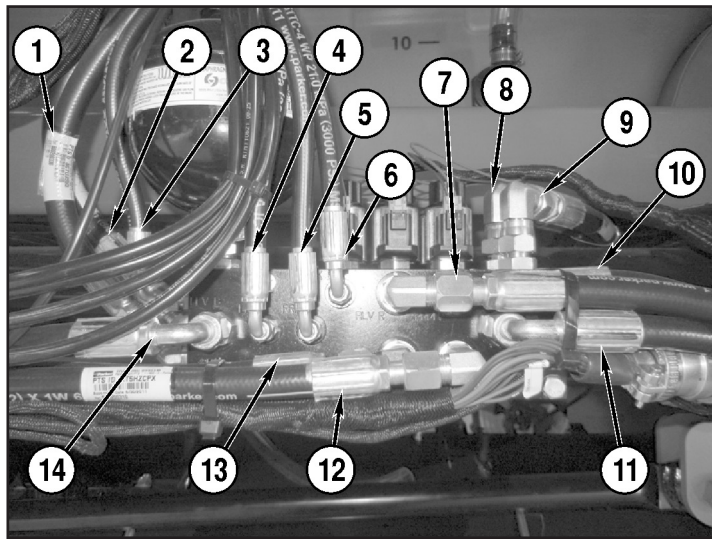
| Item | Part Number | Qty | Description                                | Comments  |
|------|-------------|-----|--------------------------------------------|-----------|
| 1    | 825000125   | 2   | Tube, Hydraulic Brake Line                 |           |
| 2    | 900002406   | 3   | Bolt, HHCS 1/4-20 x 1 1/4" G5              |           |
| 3    | 915002000   | 3   | Clamp, Stauff                              |           |
| 4    | 901003000   | 3   | Nut, Nylock 1/4" ZP                        |           |
|      | 800200292   | 1   | Hose, L/H Differential to Steel Brake Line |           |
|      | 800200291   | 1   | Hose, R/H Differential to Steel Brake Line |           |
|      | 825000400   | A/R | Ferrule, 1/4" Brake Line                   |           |
|      | 700020101   | 1   | Switch, Brake Pressure                     | Not shown |
|      | 800404226   | 1   | Fitting, 8 ORB X 1/8 NPTF                  | Not shown |

# Hoses and Fittings

## Hydraulic

### Hoses

1. **Suspension Block BM P to Boom Block TT T**  
**All Models - Part Number 800200338**  
1/2 Female JIC  
1/2 Female JIC 90  
73" 451TC
2. **Suspension Block BM T to Boom Block Sus T**  
**All Models - Part Number 800200339**  
5/8 Female JIC  
5/8 Female JIC 90  
73" 451TC
3. **Left Rack Cylinder Bore to Suspension Block LRK B**  
**All Models - Part Number 800200337**  
3/8 Female JIC  
1/4 Female JIC 90  
50" 451TC
4. **Left Rack Cylinder Rod to Suspension Block LRK R**  
**All Models - Part Number 800200337**  
3/8 Female JIC  
1/4 Female JIC 90  
50" 451TC
5. **Right Rack Cylinder Bore to Suspension Block RRK B**  
**All Models - Part Number 800200337**  
3/8 Female JIC  
1/4 Female JIC 90  
50" 451TC
6. **Right Rack Cylinder Rod to Suspension Block RRK R**  
**All Models - Part Number 800200337**  
3/8 Female JIC  
1/4 Female JIC 90  
50" 451TC
7. **Right Leveling Cylinder Rod to Suspension Manifold RLV R**  
**All Models - Part Number 800200319**  
1/2 Female JIC 90  
1/2 Female JIC  
66" 451TC
8. **Junction Manifold Suspension T to Suspension Manifold Junction T**  
**All Models - Part Number 800200317**  
3/4 Female JIC 90  
3/4 Female JIC  
138" 451TC
9. **Junction Manifold Suspension P to Suspension Manifold Junction P**  
**All Models - Part Number 800200316**  
5/8 Female JIC 90  
5/8 Female JIC  
143" 451TC
10. **Right Ram Cylinder to Suspension Manifold RRM P**  
**All Models - Part Number 800200320**  
1/2 Female JIC 90  
1/2 Female JIC  
51" 451TC
11. **Right leveling Cylinder Bore to Suspension Manifold RLV B**  
**All Models - Part Number 800200318**  
3/8 Female JIC  
1/2 Female JIC 90  
75" 451TC



**12. Left leveling Cylinder Rod to Suspension**

**Manifold LLV R**

**All Models - Part Number 800200319**

1/2 Female JIC 90

1/2 Female JIC

66" 451TC

**13. Left Ram Cylinder to Suspension Manifold LRM P**

**All Models - Part Number 800200320**

1/2 Female JIC 90

1/2 Female JIC

51" 451TC

**14. Left leveling Cylinder Bore to Suspension**

**Manifold LLV B**

**All Models - Part Number 800200318**

3/8 Female JIC

1/2 Female JIC 90

75" 451TC

**15. AOG rear P to Suspension Manifold AOG P**

**AOG Option Only - Part Number 800200307**

3/8 Female JIC 90

3/8 Female JIC

19" 451TC

**16. AOG rear T to Suspension Manifold AOG T**

**AOG Option Only - Part Number 800200307**

3/8 Female JIC 90

3/8 Female JIC

19" 451TC

**17. Left Ram Cylinder to Suspension Manifold LRM P**

**All Models - Part Number 800200320**

1/2 Female JIC 90

1/2 Female JIC

51" 451TC

**18. Fan Motor Case Drain to Junction Manifold CD**

**All Models - Part Number 800200314**

1/4 Female JIC

3/8 Female JIC 90

112" 451TC

**19. Junction Manifold Suspension T to Suspension Manifold Junction T**

**All Models - Part Number 800200317**

3/4 Female JIC 90

3/4 Female JIC

138" 451TC

**20. Junction Manifold Suspension P to Suspension Manifold Junction P**

**All Models - Part Number 800200316**

5/8 Female JIC 90

5/8 Female JIC

143" 451TC

**21. Product pump Return to Junction Manifold PRP T**

**All Models - Part Number 800200324**

5/8 Female JIC

5/8 Female JIC 90

93" 451TC

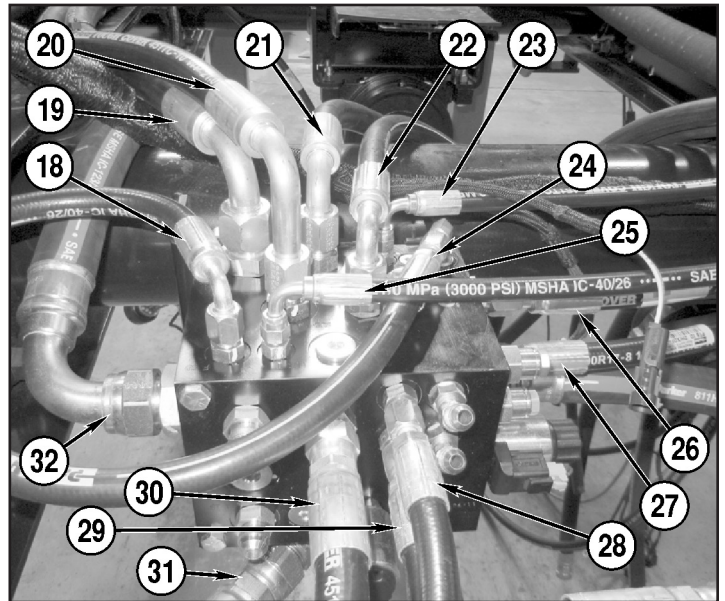
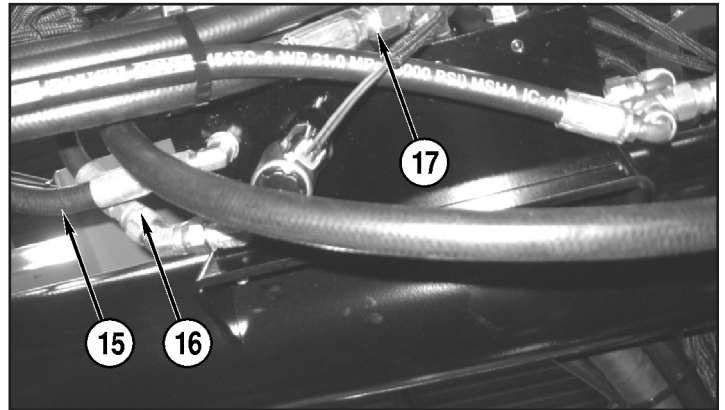
**22. Product pump Pressure to Junction Manifold PRP P**

**All Models - Part Number 800200323**

1/2 Female JIC

1/2 Female JIC 90

93" 451TC



- 23. Ladder Cylinder Bore to Junction Manifold LDR P**  
**All Models - Part Number 800200269**  
1/4 Female JIC  
1/4 Female JIC 90  
83" 451TC
- 24. Junction Manifold PB P to Ausco Inline Brake**  
**AS1020 and AS1220 - Part Number 800200342**  
3/8 Female JIC  
1/2 Female JIC  
85" 451TC
- 25. Ladder Cylinder Rod to Junction Manifold LDR T**  
**All Models - Part Number 800200271**  
1/4 Female JIC  
1/4 Female JIC 90  
93" 451TC
- 26. Right Brake Accumulator to Junction Manifold RB AC**  
**All Models - Part Number 800200326**  
1/2 Female JIC 90  
1/2 Female JIC  
21" 451TC
- 27. Left Brake Accumulator to Junction Manifold LB AC**  
**All Models - Part Number 800200326**  
1/2 Female JIC 90  
1/2 Female JIC  
21" 451TC
- 28. Right Steering Hose**  
**All Models - Part Number 800200277**  
3/8 Female JIC  
3/8 Female JIC  
132" 451TC
- 29. Left Steering Hose**  
**All Models - Part Number 800200276**  
3/8 Female JIC  
3/8 Female JIC  
125" 451TC
- 30. Pump Case drain to Junction Manifold P1 CD**  
**All Models - Part Number 800200313**  
5/8 Female JIC 90  
5/8 Female JIC  
30" 451TC
- 31. Hydraulic Silencer to Junction Manifold P1 P, ZF**  
**AS1020 and AS1220 - Part Number 800200315**  
1" Female JIC 90  
1" Female JIC  
18.5" 451TC
- Hydraulic Silencer to Junction Manifold P1 P, ITL**  
**AS720 - Part Number 800200345**  
1" Female JIC 90  
1" Female JIC  
14" 451TC
- 32. Hydraulic Tank Right to Junction Manifold**  
**All Models - Part Number 800200321**  
11" Female JIC  
1" Female JIC 90  
60" 811HT



**33. Steering Motor return (top left) to Junction Manifold ST T**

**All Models - Part Number 800200322**

1/2 Female JIC 90 LD

1/2 Female JIC

33" 451TC

**34. Brake valve return to Junction Manifold SB T**

**All Models - Part Number 800200283**

1/2 Female JIC 90 LD

1/2 Female JIC

26" 451TC

**35. Pump Case drain to Junction Manifold P1 CD**

**All Models - Part Number 800200313**

5/8 Female JIC 90

5/8 Female JIC

30" 451TC

**36. Right Steering Hose**

**All Models - Part Number 800200277**

3/8 Female JIC

3/8 Female JIC

132" 451TC

**37. Left Steering Hose**

**All Models - Part Number 800200276**

3/8 Female JIC

3/8 Female JIC

125" 451TC

**38. Steering Motor Pressure (top right) to Junction Manifold LST P**

**All Models - Part Number 800200334**

1/2 Female JIC 90

3/8 Female JIC

15" 451TC

**39. Steering Motor Pressure (bottom right) to Junction Manifold RST P**

**All Models - Part Number 800200335**

1/2 Female JIC 90

3/8 Female JIC

12" 451TC

**40. Left Brake Accumulator to Junction Manifold LB AC**

**All Models - Part Number 800200326**

1/2 Female JIC 90

1/2 Female JIC

21" 451TC

**41. Right Brake Accumulator to Junction Manifold RB AC**

**All Models - Part Number 800200326**

1/2 Female JIC 90

1/2 Female JIC

21" 451TC

**42. Junction Manifold CLR T to Fan Manifold JUN T**

**All Models - Part Number 800200328**

1" Female JIC

1" Female JIC

98" 811HT

**43. Brake Valve Left Pressure to Junction Manifold LBK P**

**All Models - Part Number 800200336**

3/8 Female JIC

3/8 Female JIC 90

33" 451TC

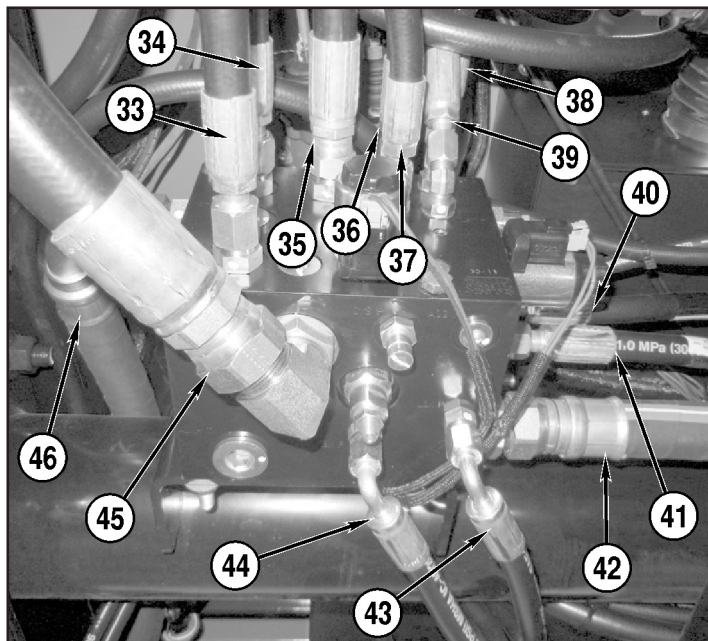
**44. Brake Valve Right Pressure to Junction Manifold RBK P**

**All Models - Part Number 800200336**

3/8 Female JIC

3/8 Female JIC 90

33" 451TC





**45. Hydraulic Silencer to Junction Manifold P1 P, ZF  
AS1020 and AS1220 Only - Part Number 800200315**

1" Female JIC 90  
1" Female JIC  
18.5" 451TC

**46. Hydraulic Tank right to Junction Manifold  
All Models - Part Number 800200321**

1" Female JIC  
1" Female JIC 90  
60" 811HT

**47. Rear Gear Pump Suction to Hydraulic Tank Bottom  
All Models - Part Number 800200265**

1" Female JIC  
1" Female JIC  
62" 811HT

**48. Front Gear Pump Suction to Hydraulic Tank Filter Right  
All Models - Part Number 800200267**

1" Female JIC  
1" Female JIC  
81.5" 811HT

**49. Piston Pump Suction to Hydraulic Tank Filter Middle  
All Models - Part Number 800200268**

1" Female JIC  
1" Female JIC  
87" 811HT

**50. Hydraulic Silencer to Junction Manifold P1 P, ZF  
AS1020 and AS1220 Only - Part Number 800200315**

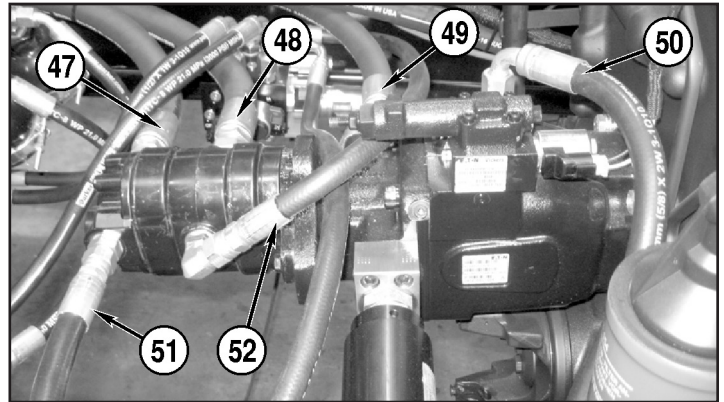
1" Female JIC 90  
1" Female JIC  
18.5" 451TC

**51. Rear Gear Pump Pressure to Fan Manifold P3  
All Models - Part Number 800200325**

35/8 Female JIC  
5/8 Female JIC  
97" 451TC

**52. Steering Motor Pressure (bottom left) to Front Gear Pump Pressure  
All Models - Part Number 800200333**

1/2 Female JIC 90  
5/8 Female JIC  
75" 451TC



**53. Right Leveling Cylinder Rod to Suspension**

**Manifold RLV R**

**All Models - Part Number 800200319**

1/2 Female JIC 90

1/2 Female JIC

66" 451TC

**54. Right Leveling Cylinder Bore to Suspension**

**Manifold RLV B**

**All Models - Part Number 800200318**

3/8 Female JIC

1/2 Female JIC 90

75" 451TC



**55. Left Cylinder Rod to Right Cylinder Rod**

**All Models - Part Number 800200273**

3/8 Female JIC

3/8 Female JIC

170.5" 451TC

**Left Cylinder Bore to Junction Manifold RCL B (Not Shown)**

**All Models - Part Number 800200274**

3/8 Female JIC

3/8 Female JIC

189.5" 451TC

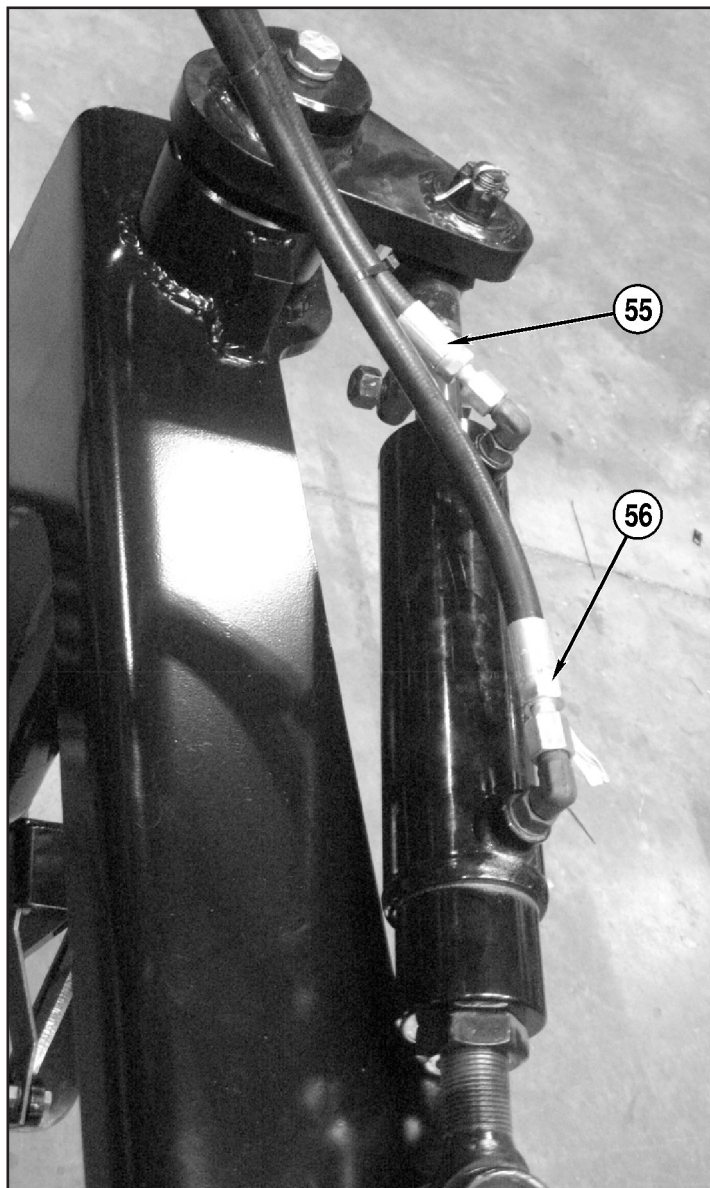
**56. Right Cylinder Bore to Junction Manifold LCL B**

**All Models - Part Number 800200275**

3/8 Female JIC

3/8 Female JIC

173.5" 451TC



**57. Left Steering Hose**

**All Models - Part Number 800200276**

3/8 Female JIC

3/8 Female JIC

125" 451TC

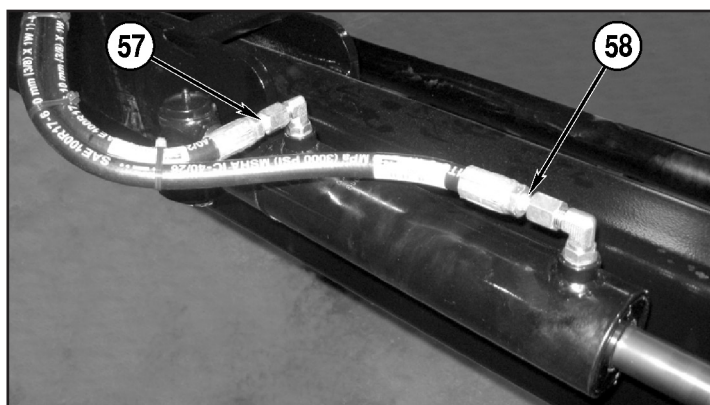
**58. Right Steering Hose**

**All Models - Part Number 800200277**

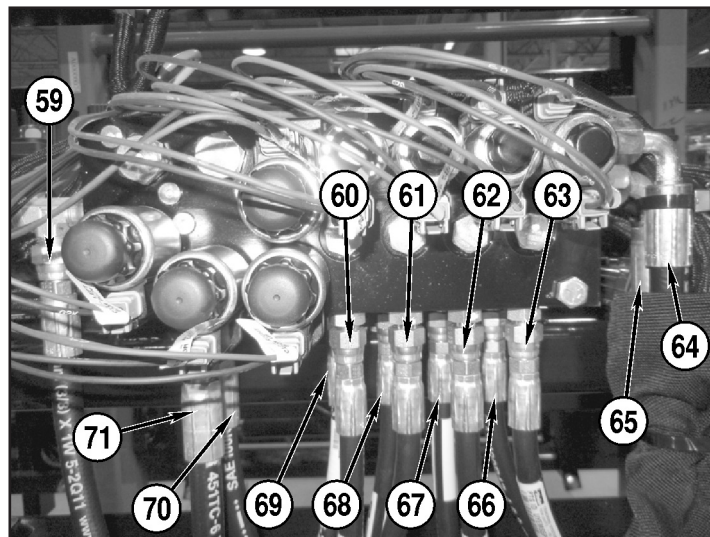
3/8 Female JIC

3/8 Female JIC

132" 451TC



- 59. Left Tilt Cylinder Bore to Boom Block TT T**  
**All Models - Part Number 800200340**  
 3/8 Female JIC  
 1/2 Female JIC  
 145" 451TC
- Right Tilt Cylinder Bore to Boom Block TT T (Not Shown)**  
**All Models - Part Number 800200341**  
 3/8 Female JIC  
 1/2 Female JIC 90  
 145" 451TC
- 60. Right Fold Cylinder Rod to Boom Block RFD R**  
**All Models - Part Number 800200301**  
 3/8 Female JIC  
 3/8 Female JIC  
 62" 451TC
- 61. Right Tip Cylinder Bore to Boom Block RTP B**  
**All Models - Part Number 800200300**  
 3/8 Female JIC  
 3/8 Female JIC  
 331" 451TC
- 62. Left Fold Cylinder Rod to Boom Block LFD R**  
**All Models - Part Number 800200301**  
 3/8 Female JIC  
 3/8 Female JIC  
 62" 451TC
- 63. Left Tip Cylinder Bore to boom Block LTP B**  
**All Models - Part Number 800200299**  
 3/8 Female JIC  
 3/8 Female JIC  
 336" 451TC
- 64. Suspension Block BM T to Boom Block Sus T**  
**All Models - Part Number 800200339**  
 5/8 Female JIC  
 5/8 Female JIC 90  
 73" 451TC
- 65. Suspension Block BM P to Boom Block TT T**  
**All Models - Part Number 800200338**  
 #1/2 Female JIC  
 1/2 Female JIC 90  
 73" 451TC
- 66. Left Tip Cylinder Rod to Boom Block LTP R**  
**All Models - Part Number 800200297**  
 3/8 Female JIC  
 3/8 Female JIC  
 353" 451TC
- 67. Left Fold Cylinder Bore to Boom Block LFD B**  
**All Models - Part Number 800200302**  
 3/8 Female JIC  
 3/8 Female JIC  
 52" 451TC
- 68. Right tip Cylinder Rod to Boom Block RTP R**  
**All Models - Part Number 800200298**  
 3/8 Female JIC  
 3/8 Female JIC  
 348" 451TC
- 69. Right Fold Cylinder Bore to Boom Block RFD B**  
**All Models - Part Number 800200302**  
 3/8 Female JIC  
 3/8 Female JIC  
 52" 451TC





**70. Right Tilt Accumulator to Boom Block RTT P**

**All Models - Part Number 800200344**

1/2 Female JIC  
3/8 Female JIC  
126" 451TC

**71. Left Tilt Accumulator to Boom Block LTT P**

**All Models - Part Number 800200344**

1/2 Female JIC  
3/8 Female JIC  
126" 451TC

**72. Differential Brake Left to Left Steel Brake Line**

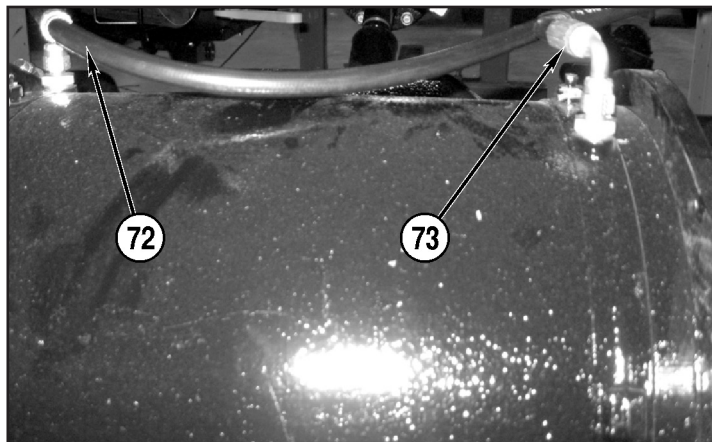
**All Models - Part Number 800200292**

1/4 Female JIC  
1/4 Comp  
33.5" 451TC

**73. Differential Brake Right to Right Steel Brake Line**

**All Models - Part Number 800200291**

1/4 Female JIC  
1/4 Comp  
33.5" 451TC



**74. A/C Evaporator to Compressor**

**All Models - Part Number 420110013**

#6 A/C Hose

**75. A/C Drier to Evaporator**

**All Models - Part Number 420110012**

#10 A/C Hose

**76. A/C Compressor to Condenser**

**All Models - Part Number 420110010**

#8 A/C Hose

**77. A/C Condenser to Drier**

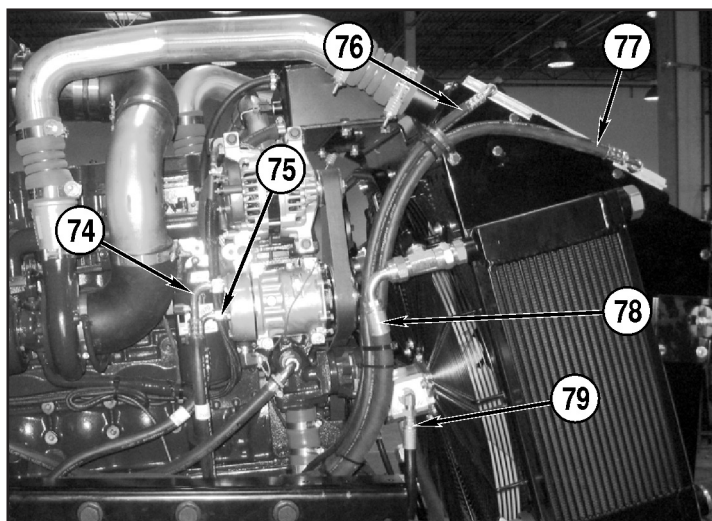
**All Models - Part Number 420110011**

#6 A/C Hose

**78. Transmission Cooler Top to Transmission Top**

**All Models - Part Number 800200226**

1" Female JIC  
1" Female JIC 90 LD  
79" 100R4

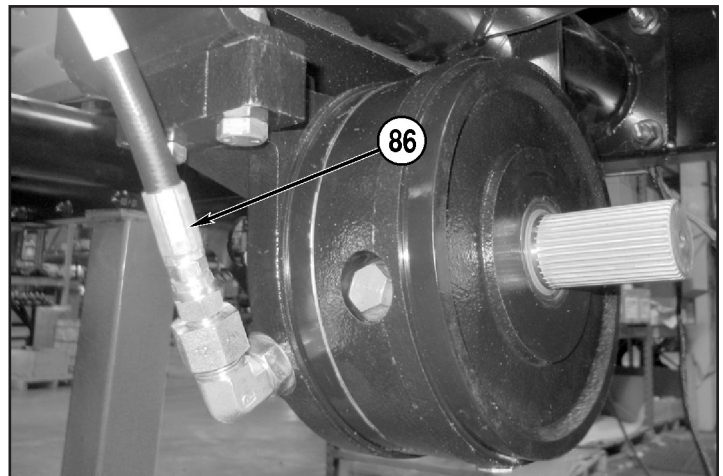
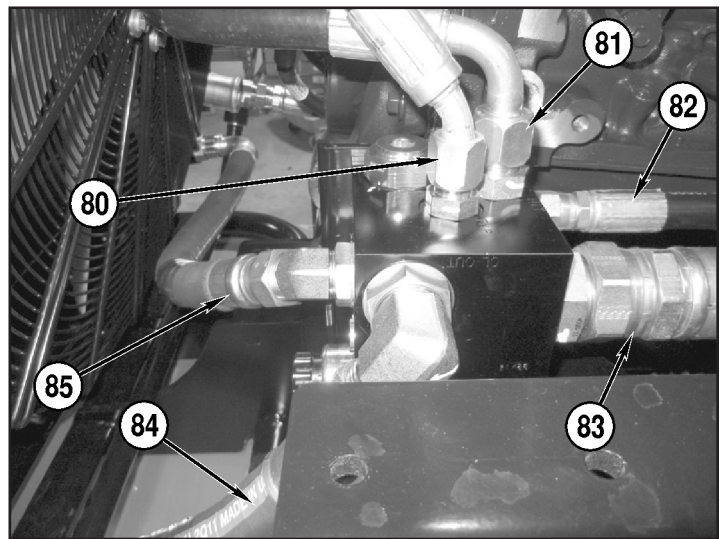


**79. Fan Motor Case Drain to Junction Manifold CD**

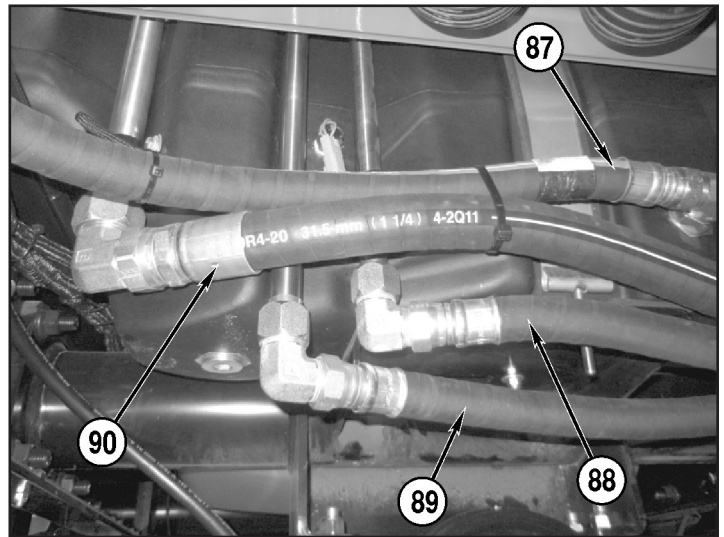
**All Models - Part Number 800200314**

1/4 Female JIC  
3/8 Female JIC 90  
112" 451TC

- 80. Fan In (Right Side ) to Fan manifold FN P**  
**All Models - Part Number 800200312**  
 5/8 Female JIC  
 5/8 Female JIC 45  
 45" 451TC
- 81. Fan Out (Left Side) to Fan Manifold FN T**  
**All Models - Part Number 80020011**  
 3/4 Female JIC  
 3/4 Female JIC 90  
 13.5" 451TC
- 82. Rear Gear Pump Pressure to Fan Manifold P3**  
**All Models - Part Number 800200325**  
 5/8 Female JIC  
 5/8 Female JIC  
 97" 451TC
- 83. Hydraulic Tank Filter Left to Fan Manifold FLT**  
**All Models - Part Number 800200327**  
 1 1/4" Female JIC  
 1 1/4" Female JIC  
 147" 811HT
- 84. Cooler Out (Left) to Fan Manifold CL Out**  
**All Models - Part Number 800200322**  
 1" Female JIC  
 1" Female JIC  
 12.5" 811HT
- 85. Cooler In (Right) to Fan Manifold CL IN**  
**All Models - Part Number 800200310**  
 1" Female JIC 90  
 1" Female JIC  
 27" 811HT
- 86. Junction Manifold PB P to Ausco Inline**  
**AS1020 and AS1220 Only - Part Number 800200342**  
 3/8 Female JIC  
 1/2 Female JIC  
 85" 451TC



- 87. Hydraulic Tank Right to Junction Manifold**  
**All Models - Part Number 800200321**  
1" Female JIC  
1" Female JIC 90  
60" 811HT
- 88. Front Gear Pump Suction to Hydraulic Tank Filter Right**  
**All Models - Part Number 800200267**  
1" Female JIC  
1" Female JIC  
81.5" 811HT
- 89. Piston Pump Suction to Hydraulic Tank Filter Middle**  
**All Models - Part Number 800200268**  
1" Female JIC  
1" Female JIC  
87" 811HT
- 90. Hydraulic Tank Filter Left to Fan Manifold FLT**  
**All Models - Part Number 800200327**  
1 1/4" Female JIC  
1 1/4" Female JIC  
147" 811HT



## Non-Hydraulic

### Hoses and Fittings AS720 and AS1020

| Part Number | Qty      | Description                           | Comments, Where Used                      |
|-------------|----------|---------------------------------------|-------------------------------------------|
| RM800675    | 3 feet   | Hose 3/4 Heater CHK 70133             |                                           |
| RM800325    | 8 feet   | Fuel Line 3/8" H177                   | Cummins Engine                            |
| RM800500    | 6 feet   | Fuel Line 1/2"                        | Cummins Engine                            |
| RM800650    | 21 feet  | Hose Heater Black H168                | Cummins Engine                            |
| 420110013   | 1        | Hose, A/C Evaporator to Compressor    | A/C                                       |
| 420110012   | 1        | Hose, A/C Drier to Evaporator         | A/C                                       |
| 420110010   | 1        | Hose, A/C Compressor to Cond Cummins  | A/C, 420120001 Switch A/C Pressure Binary |
| 420110011   | 1        | Hose, A/C Cond to Drier Cummins       | A/C                                       |
| 201199098   | 8 inch   | Hose, 2" Silicone Hose for Charge Air | Cooling Package                           |
| 201200007   | 4        | Coupler, Nomex 3" ID 6" Long          | Cooling Package                           |
| 520400104   | 8 inch   | Hose Coupling 1.75"                   | Cooling Package                           |
| RM800100    | 4 feet   | Fuel Line, 1/4" H175                  | Cooling Package                           |
| RM800850    | 4 feet   | Hose, 1" Rubber AG300                 | Rinse Tank                                |
| RM801050    | 5 feet   | Hose, 2" AG Suction EPDM 3            | Rinse Tank                                |
| RM800950    | 16 feet  | Hose, 1 1/2" AG Suction EPDM 3        | Poly Product Tank                         |
| RM801050    | 8 feet   | Hose, 2" AG Suction EPDM 3            | Poly Product Tank                         |
| RM801075    | 4 feet   | Hose, 3" AG Suction EPDM 3            | Poly Product Tank Quick Flow              |
| RM800950    | 16 feet  | Hose, 1 1/2" AG Suction EPDM 3        | Poly Product Tank Quick Flow              |
| RM801050    | 8 feet   | Hose, 2" AG Suction EPDM 3            | Poly Product Tank Quick Flow              |
| RM800850    | 16 feet  | Hose, 1" Rubber AG300                 | Stainless Product Tank                    |
| RM800950    | 16 feet  | Hose, 1 1/2" AG Suction EPDM 3        | Stainless Product Tank                    |
| RM801050    | 4 feet   | Hose, 2" AG Suction EPDM 3            | Stainless Product Tank                    |
| RM800850    | 16 feet  | Hose, 1" Rubber AG300                 | Stainless Product Tank Quick Flow         |
| RM801050    | 16 feet  | Hose, 2" AG Suction EPDM 3            | Stainless Product Tank Quick Flow         |
| RM801075    | 2 feet   | Hose, 3" AG Suction EPDM 3            | Stainless Product Tank Quick Flow         |
| RM800150    | 25 feet  | Hose, Air Line NT 10004BK             | Product Pump                              |
| RM800850    | 15 feet  | Hose, 1" Rubber AG300                 | Product Pump                              |
| RM801050    | 2 feet   | Hose, 2" AG Suction EPDM 3            | Product Pump                              |
| RM800150    | 25 feet  | Hose, Air Line NT 10004BK             | Product Pump Quick Flow                   |
| RM800850    | 15 feet  | Hose, 1" Rubber AG300                 | Product Pump Quick Flow                   |
| RM801075    | 2 feet   | Hose, 3" AG Suction EPDM 3            | Product Pump Quick Flow                   |
| RM800876    | 21 feet  | Hose, 1 1/2" Flat Inductor            | Inductor                                  |
| RM800850    | 30 feet  | Hose, 1" Rubber AG300                 | Roto-Flush                                |
| RM800850    | 20 feet  | Hose, 1" Rubber AG300                 | Extra Rinse Tank                          |
| RM800150    | 30 feet  | Hose, Air Line NT 10004BK             | Pressure Gages on Right Side of Cab       |
| RM800850    | 55 feet  | Hose, 1" Rubber AG300                 | Wet System                                |
| RM800601    | 84 feet  | Hose, 1/2" Push Lock                  | Fence Row Nozzle                          |
| RM800850    | 6 feet   | Hose, 1" Rubber AG300                 | Fence Row Nozzle                          |
| RM800160    | 400 feet | Hose, 1/4" Clear Vinyl                | Foam Marker, Smucker                      |



## Hoses and Fittings AS1220

| Part Number | Qty      | Description                           | Comments, Where Used                      |
|-------------|----------|---------------------------------------|-------------------------------------------|
| RM800675    | 3 feet   | Hose 3/4 Heater CHK 70133             |                                           |
| RM800325    | 8 feet   | Fuel Line 3/8" H177                   | Cummins Engine                            |
| RM800500    | 6 feet   | Fuel Line 1/2"                        | Cummins Engine                            |
| RM800650    | 21 feet  | Hose Heater Black H168                | Cummins Engine                            |
| 420110013   | 1        | Hose, A/C Evaporator to Compressor    | A/C                                       |
| 420110012   | 1        | Hose, A/C Drier to Evaporator         | A/C                                       |
| 420110010   | 1        | Hose, A/C Compressor to Cond Cummins  | A/C, 420120001 Switch A/C Pressure Binary |
| 420110011   | 1        | Hose, A/C Cond to Drier Cummins       | A/C                                       |
| 201199098   | 8 inch   | Hose, 2" Silicone Hose for Charge Air | Cooling Package                           |
| 201200007   | 4        | Coupler, Nomex 3" ID 6" Long          | Cooling Package                           |
| 520400104   | 8 inch   | Hose Coupling 1.75"                   | Cooling Package                           |
| RM800100    | 4 feet   | Fuel Line, 1/4" H175                  | Cooling Package                           |
| RM800850    | 4 feet   | Hose, 1" Rubber AG300                 | Rinse Tank                                |
| RM801050    | 5 feet   | Hose, 2" AG Suction EPDM 3            | Rinse Tank                                |
| RM800850    | 16 feet  | Hose, 1" Rubber AG300                 | Stainless Product Tank Quick Flow         |
| RM801050    | 16 feet  | Hose, 2" AG Suction EPDM 3            | Stainless Product Tank Quick Flow         |
| RM801075    | 4 feet   | Hose, 3" AG Suction EPDM 3            | Stainless Product Tank Quick Flow         |
| RM800150    | 25 feet  | Hose, Air Line NT 10004BK             | Product Pump                              |
| RM800850    | 15 feet  | Hose, 1" Rubber AG300                 | Product Pump                              |
| RM801050    | 2 feet   | Hose, 2" AG Suction EPDM 3            | Product Pump                              |
| RM800150    | 25 feet  | Hose, Air Line NT 10004BK             | Product Pump Quick Flow                   |
| RM800850    | 15 feet  | Hose, 1" Rubber AG300                 | Product Pump Quick Flow                   |
| RM801075    | 2 feet   | Hose, 3" AG Suction EPDM 3            | Product Pump Quick Flow                   |
| RM800876    | 21 feet  | Hose, 1 1/2" Flat Inductor            | Inductor                                  |
| RM800850    | 30 feet  | Hose, 1" Rubber AG300                 | Roto-Flush                                |
| RM800850    | 20 feet  | Hose, 1" Rubber AG300                 | Extra Rinse Tank                          |
| RM800150    | 30 feet  | Hose, Air Line NT 10004BK             | Pressure Gages on Right Side of Cab       |
| RM800850    | 55 feet  | Hose, 1" Rubber AG300                 | Wet System                                |
| RM800601    | 84 feet  | Hose, 1/2" Push Lock                  | Fence Row Nozzle                          |
| RM800850    | 6 feet   | Hose, 1" Rubber AG300                 | Fence Row Nozzle                          |
| RM800160    | 400 feet | Hose, 1/4" Clear Vinyl                | Foam Marker, Smucker                      |

## Fittings

### Danfoss Steering Unit Kit (BOM A000000042)

| ETI Part Number | Manufacture Part Number | Description                     | Qty | Comments, Where Used |
|-----------------|-------------------------|---------------------------------|-----|----------------------|
| 860000005       | OSPC 125 ON 150N2234    | Steering Unit, Danfoss          | 1   |                      |
| 800302174       | 6801-LL-NWO-08-08       | Fitting 8 FLM x 8 ORM 90 x Long | 1   |                      |
| 800302445       | 6400-O-08-08            | Fitting 8 FLM x 8 ORM           | 1   |                      |
| 800302024       | 6400-O-06-08            | Fitting 6 FLM x 8 ORM           | 2   |                      |

### Micro Power Brakes Fitting Kit (BOM A000000071)

| ETI Part Number | Manufacture Part Number | Description                       | Qty | Comments, Where Used |
|-----------------|-------------------------|-----------------------------------|-----|----------------------|
| 800404230       | 8 C5OX-S                | 1/2 JIC Male x 1/2 O-ring Boss 90 | 3   |                      |
| 800000581       | 6 HP5ON-S               | 3/8 Hollow Hex O-ring Plug        | 1   |                      |
| 800302132       | 8 S5OX-S                | 8 FLM x 8 FLM x 8 ORB Branch Tee  | 2   |                      |
|                 |                         |                                   |     |                      |

### Main Fitting Kit (BOM A000000090)

| ETI Part Number | Manufacture Part Number | Description                               | Qty | Comments, Where Used      |
|-----------------|-------------------------|-------------------------------------------|-----|---------------------------|
| 800405000       | 8-6 F5OX-S              | Fitting, 8 FLM x 6 ORM                    | 4   | Suspension Cylinder       |
| 800302410       | 16 F5OX-S               | Fitting, 16 FLM x 16 ORB                  | 2   | Cooler                    |
| 800302133       | 16-12 F5OX-S            | Fitting, 16 FLM x 12 ORB                  | 4   | Cooler Cross              |
| 800302134       | 16 C6X-S                | Fitting, 16 FLF x 16 FLM 90               | 2   | Cooler Cross              |
| 800501120       | 16 R6X-S                | Fitting, 16 FLM x 16 FLF x 16 FLM Run Tee | 1   | Cooler                    |
| 800302497       | 12-10 F5OX-S            | Fitting, 12 FLM x 10 ORB                  | 1   | Fan Motor Return          |
| 800302242       | 10 F5OX-S               | Fitting, 10 FLM x 10 ORB                  | 1   | Fan Motor Pressure        |
| 800302240       | 4 C5OX-S                | Fitting, 4 FLM x 4 ORB 90                 | 1   | Fan Motor Case Drain      |
| 800302190       | 24 F5OHAO-S             | Fitting, Union 24 ORB x 24 ORB            | 2   | Suspension Cylinder Block |
| 800302136       | 20-24 F5OG5-S           | Fitting, 20 M-ORB x 24 ORB                | 2   | Suspension Cylinder Block |
| 800302137       | 2202P-4-4               | Fitting, Brass 90 Street Elbow 1/4 Pipe   | 1   | ADD                       |
| 800302498       |                         | Fitting, 4 PM x 6 HB 1/8" Orifice         | 1   | Radiator Fill             |
| 800403625       | 12 C6X-S                | Fitting, 12 FLF x 12 FLM 90               | 1   | Suspension Block Return   |
| 800404215       | 6 C5OX-S                | Fitting, 6 FLM x 6 ORB 90                 | 2   | Sway Cylinder Return      |
| 800302425       | 10 C6X-S                | Fitting, 10 FLF x 10 FLM 90               | 1   | Suspension Block Pressure |
| 800302445       | 8 F5OX-S                | Fitting, 8 FLM x 8 ORM                    | 2   | Brake Accumulator         |

### Adjust On the Go (AOG) Fitting Kit (BOM A000000088)

| ETI Part Number | Manufacture Part Number   | Description                               | Qty | Comments, Where Used |
|-----------------|---------------------------|-------------------------------------------|-----|----------------------|
| 800302193       | 6 CC5OX-S                 | Fitting, 6 FLM x 6 ORB 90 LD              | 4   |                      |
| 800404215       | 6 C5OX-S                  | Fitting, 6 FLM x 6 ORB 90                 | 10  |                      |
| 800303022       | 6 F5OX-S                  | Fitting, 6 FLM x 6 ORB                    | 8   |                      |
| 800302496       | 6 S5OX-S                  | Fitting, 6 FLM x 6 ORB x 6 FLM Branch Tee | 4   |                      |
| 800404219       | 6801-6 (0.046 Restrictor) | Fitting, 6 FLM x 6 ORB 90 (0.060 Orifice) | 2   |                      |

## AutoSteer Fitting Kit (BOM A000000092)

| ETI Part Number | Manufacture Part Number | Description                 | Qty | Comments, Where Used |
|-----------------|-------------------------|-----------------------------|-----|----------------------|
| 800302242       | 10 F5OX-S               | Fitting, 10 FLM x 10 ORB    | 2   |                      |
| 800302499       | 10 V5OX-S               | Fitting, 10 FLM x 10 ORB 45 | 2   |                      |
| 800303022       | 6 F5OX-S                | Fitting, 6 FLM x 6 ORB      | 4   |                      |
|                 |                         |                             |     |                      |
|                 |                         |                             |     |                      |
|                 |                         |                             |     |                      |

## Hydraulic Tank Fitting Kit (BOM A000000096)

| ETI Part Number | Manufacture Part Number | Description                     | Qty | Comments, Where Used |
|-----------------|-------------------------|---------------------------------|-----|----------------------|
| 800000021       | 16 ETX-S                | Fitting, 16 FLM x 16 FLM 90     | 2   |                      |
| 800000015       | 20 ETX-S                | Fitting, 20 FLM x 20 FLM 90     | 1   |                      |
| 800000641       | 16 HP5ON-S              | Fitting, 16 ORM Hollow Hex Plug | 1   | 6408-H-16-O          |
| 800404265       | 16 C5OX-S               | Fitting, 16 FLM x 16 ORM 90     | 3   | 6801-16-16-NWO       |
| 800302419       | 16 CC5OX-S              | Fitting, 16 FLM x 16 ORM 90 LD  | 1   |                      |
| 800404270       | 20 C5OX-S               | Fitting, 20 FLM x 20 ORM 90     | 1   |                      |

## Engine Fitting Kit (BOM A000000097)

| ETI Part Number | Manufacture Part Number | Description                   | Qty | Comments, Where Used |
|-----------------|-------------------------|-------------------------------|-----|----------------------|
| 800302218       | 10-8 FTX                | Fitting, 10 FLM x 8 PM        | 1   |                      |
| 800302219       | 10-12 FTX               | Fitting, 10 FLM x 12 PM       | 1   |                      |
| 800302220       | 269HB-12-12             | Fitting, 12 PM x 12 HB 90     | 1   |                      |
| 800302221       | 33982-10-10             | Fitting, 10 FLF x 10 HB       | 2   |                      |
| 800302500       | 68HB-8-M12              | Fitting, 8 HB x M12 x 1.5 ORM | 1   |                      |

## Eaton Pump Fittings

| ETI Part Number | Manufacture Part Number | Description                         | Qty | Comments, Where Used    |
|-----------------|-------------------------|-------------------------------------|-----|-------------------------|
| 800302242       | 10 F5OX-S               | Fitting, 10 FLM x 10 ORM            | 2   | Brennan, 6400-10-10-O   |
| 800302410       | 16 F5OX-S               | Fitting, 16 FLM x 16 ORM            | 2   | Brennan, 6400-16-16-O   |
| 800404002       | 16 F5OHAO               | Fitting, 16 ORM x 16 ORM            | 1   | Brennan, 3474-16-16-NOW |
| 800450050       | 5151HK-32               | Kit Split FLG 2" Code 61            | 1   | Anchor, 32SFO           |
| 800460095       | 6840-20-32-S (Tompkins) | Fitting, 20 FLM x 32 Code 61        | 1   | Tompkins, 1700-20-32    |
| 800302454       | 20-16 TRTX              | Fitting, 20 FLF x 16 FLM            | 1   | Brennan, 2406-20-16     |
|                 | 1174-16-16              | Fitting, Block 16 Female or Code 61 | 1   | Anchor, W46-16-16-U     |
| 800303119       | 10-12 F5OX-S            | Fitting, 10 FLM x 12 ORM            | 1   | Brennan, W6400-10-12-O  |

## Bulk Fittings

| ETI Part Number | Manufacturer Part Number | Description                      | Qty | Comments, Where Used                          |
|-----------------|--------------------------|----------------------------------|-----|-----------------------------------------------|
| 800404245       | 16M33F87OMX-S            | Fitting, 16 FLM x M33 x 2 ORM    | 2   | AS1020/AS1220, ZF Transmission Cooling        |
| 800302134       | 16 C6X-S                 | Fitting, 16 FLF x 16 FLM 90      | 1   | AS1020/AS1220, ZF Transmission Cooling        |
| 800302453       | 12-8 F4OMX               | Fitting, 12 FLM x 8 BSPP         | 2   | AS720, JCB Transmission Cooling, 7002-12-8-BS |
| 800403625       | 12 C6X-S                 | Fitting, 12 FLF x 12 FLM 90      | 1   | AS720, JCB Transmission Cooling               |
| 800302501       | 4601-D8-08-NOW           | Fitting, 8 ORM x 1/2" HB 90      | 1   | All Models, Fuel Tank                         |
| 800303027       | 4601-D6-08-NOW           | Fitting, 8 ORM x 3/8" HB 90      | 1   | All Models, Fuel Tank                         |
| 800000641       | 16 HP5ON-S               | Fitting, 16 ORM Hex Head Plug    | 1   | All Models, Fuel Tank                         |
| 800302240       | 4 C5OX-S                 | Fitting, 4 FLM x 4 ORM 90        | 2   | All Models, Ladder Cylinder                   |
| 800302502       | 8 V5OX-S                 | Fitting, 8 FLM x 8 ORM 45        | 1   | All Models, Product Pump Pressure             |
| 800302503       | 10-8 V5OX-S              | Fitting, 10 FLM x 8 ORM 45       | 1   | All Models, Product Pump Return               |
| 800302208       | 8-12 C5OX-S              | Fitting, 8 FLM x 12 ORM 90       | 1   | AS1020/AS1220, ZF Brake                       |
| 800404226       | 8-1/8 F50G-S             | Fitting, 8 ORM x 1/8 PF          | 1   | All Models, Micro Brake                       |
| 800404227       | PB0202                   | Fitting, 1/8 BSPB to 1/8 NPTF    | 1   | All Models, Hydraulic Tank                    |
| 800404228       | 1/8 CD45-S               | Fitting, 1/8 NPTF-M 45 Deg Elbow | 1   | All Models, Hydraulic Tank                    |
| 800501060       | 8 R6X-S                  | Fitting, 8 FLF x 8 FLM x 8 FLM   | 1   | All Models, Boom Block                        |
| 800302410       | 16 F5OX-S                | Fitting, 16 FLM x 16 ORM         | 1   | AS1020/AS1220, Silencer                       |
| 800302504       | 16 V5OX-S                | Fitting, 16 FLM x 16 ORM 45      | 1   | AS720, Silencer                               |
| 800302214       | 8 R5OX-S                 | Fitting, 8 ORM x 8 FLM x 8 FLM   | 2   | All Models, Boom Accumulator                  |
| 800302172       | 4M12F8OMX-S              | Fitting, 4 FLM x M12x1.5 ORM     | 2   | All Models, Diff Brake                        |
| 800404215       | 6 C5OX-S                 | Fitting, 6 FLM x 6 ORM 90        | 4   | All Models, Rack Cylinder                     |

## Hoses

### Main Hose Kit

(BOM A000000091 / Parker PKT20912)

| ETI Part Number | Description                                                                                                           | Fitting 1                 | Fitting 2              | Length | Size | Material | Qty |
|-----------------|-----------------------------------------------------------------------------------------------------------------------|---------------------------|------------------------|--------|------|----------|-----|
| 800200265       | Rear Gear Pump Suction to Hydraulic Tank Bottom                                                                       | 16FLF (0668-16-16)        | 16FLF (0668-16-16)     | 62     | 16   | 811HT    | 1   |
| 800200267       | Front Gear Pump Suction to Hydraulic Tank Filter Right                                                                | 16FLF (0668-16-16)        | 16FLF (0668-16-16)     | 81.5   | 16   | 811HT    | 1   |
| 800200268       | Piston Pump Suction to Hydraulic Filter Middle                                                                        | 16FLF (0668-16-16)        | 16FLF (0668-16-16)     | 87     | 16   | 811HT    | 1   |
| 800200269       | Ladder Cylinder Bore to Junction Manifold LDR P                                                                       | 4FLF (10643-4-4)          | 4FLF 90 (13943-4-4)    | 83     | 4    | 451TC    | 1   |
| 800200271       | Ladder Cylinder Rod to Junction Manifold LDR T                                                                        | 4FLF (10643-4-4)          | 4FLF 90 (13943-4-4)    | 93     | 4    | 451TC    | 1   |
| 800200310       | Cooler In (Right) to Fan Manifold CL In                                                                               | 16FLF 90 (3988-16-16)     | 16FLF (0668-16-16)     | 27     | 16   | 811HT    | 1   |
| 800200311       | Fan Out (Left Side) to Fan Manifold FN T                                                                              | 12FLF (10643-12-12)       | 12FLF 90 (13943-12-12) | 13.5   | 12   | 451TC    | 1   |
| 800200312       | Fan In (Right Side) to Fan Manifold FN P                                                                              | 10FLF (10643-10-10)       | 10FLF 45 (13743-10-10) | 45     | 10   | 451TC    | 1   |
| 800200313       | Pump Case Drain to Junction Manifold P1 CD                                                                            | 10FLF 90 (13943-10-10)    | 10FLF (10643-10-10)    | 30     | 10   | 451TC    | 1   |
| 800200314       | Fan Motor Case Drain to Junction Manifold F CD                                                                        | 4FLF (10643-4-6)          | 6FLF 90 (13943-6-6)    | 112    | 6    | 451TC    | 1   |
| 800200316       | Junction Manifold SUS P to Suspension Manifold JUN P                                                                  | 10FLF 90 LD (14143-10-10) | 10FLF (10643-10-10)    | 143    | 10   | 451TC    | 1   |
| 800200317       | Junction Manifold SUS T to Suspension Manifold JUN T                                                                  | 12FLF 90 (13943-12-12)    | 12FLF (10643-12-12)    | 138    | 12   | 451TC    | 1   |
| 800200318       | Left Leveling Cylinder Bore to Suspension Manifold LLV B<br>Right Leveling Cylinder Bore to Suspension manifold RLV B | 6FLF (10643-6-8)          | 8FLF 90 (13943-8-8)    | 75     | 8    | 451TC    | 2   |
| 800200319       | Left Leveling Cylinder Rod to Suspension Manifold LLV R<br>Right Leveling Cylinder Rod to Suspension manifold RLV R   | 8FLF 90 (13943-8-8)       | 8FLF (10643-8-8)       | 66     | 8    | 451TC    | 2   |
| 800200320       | Left Ram Cylinder to Suspension Manifold LRM P<br>Right Ram Cylinder to Suspension manifold RLV R                     | 8FLF 90 (13943-8-8)       | 8FLF (10643-8-8)       | 51     | 8    | 451TC    | 2   |
| 800200321       | Hydraulic Tank Right to Junction Manifold RES T                                                                       | 16FLF (0668-16-16)        | 16FLF 90 (0668-16-16)  | 60     | 16   | 811HT    | 1   |
| 800200322       | Cooler Out (Left) to Fan Manifold CL Out                                                                              | 16FLF (0668-16-16)        | 16FLF (0668-16-16)     | 12.5   | 16   | 811HT    | 1   |
| 800200323       | Product Pump Pressure to Junction Manifold PRP P                                                                      | 8FLF (10643-8-8)          | 8FLF 90 (13943-8-8)    | 93     | 8    | 451TC    | 1   |
| 800200324       | Product Pump Return to Junction Manifold PRP T                                                                        | 10FLF (10643-10-10)       | 10FLF 90 (13943-10-10) | 93     | 10   | 451TC    | 1   |
| 800200325       | Rear Gear Pump Pressure to Fan Manifold P3                                                                            | 10FLF (10643-10-10)       | 10FLF (10643-10-10)    | 97     | 10   | 451TC    | 1   |
| 800200326       | Left Brake Accumulator to Junction Manifold LB AC<br>Right Brake Accumulator to Junction Manifold RB AC               | 8FLF 90 (13943-8-8)       | 8FLF (10643-8-8)       | 21     | 8    | 451TC    | 2   |
| 800200327       | Hydraulic Tank Filter Left to Fan Manifold FLT                                                                        | 20FLF (0668-20-20)        | 20FLF (0668-20-20)     | 147    | 20   | 811HT    | 1   |
| 800200328       | Junction manifold CLR to Fan Manifold JUN T                                                                           | 16FLF (0668-16-16)        | 16FLF (0668-16-16)     | 98     | 16   | 811HT    | 1   |

**AOG Hose Kit  
(BOM A000000089 / Parker PKT20911)**

| ETI Part Number | Description                                                                                                                | Fitting 1           | Fitting 2           | Length | Size | Material | Qty |
|-----------------|----------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------|--------|------|----------|-----|
| 800200233       | AOG LA to Inside Left Front Cylinder                                                                                       | 6FLF (10643-6-6)    | 6FLF (10643-6-6)    | 10     | 6    | 451TC    | 1   |
| 800200234       | AOG LB to Outside Left Front Cylinder                                                                                      | 6FLF (10643-6-6)    | 6FLF (10643-6-6)    | 31     | 6    | 451TC    | 1   |
| 800200235       | AOG RA to Inside Right Front Cylinder                                                                                      | 6FLF (10643-6-6)    | 6FLF (10643-6-6)    | 29.5   | 6    | 451TC    | 1   |
| 800200236       | AOG RB to Outside Right Front Cylinder                                                                                     | 6FLF (10643-6-6)    | 6FLF (10643-6-6)    | 50     | 6    | 451TC    | 1   |
| 800200243       | AOG Rear Rod End Crossover                                                                                                 | 8FLF (10643-8-8)    | 6FLF 90 (13943-6-6) | 16.5   | 6    | 451TC    | 2   |
| 800200244       | AOG Butt End Crossover                                                                                                     | 6FLF (10643-6-6)    | 6FLF 90 (13943-6-6) | 22.5   | 6    | 451TC    | 2   |
| 800200306       | AOG Front P to Junction Manifold AOG P                                                                                     | 6FLF 90 (13943-6-6) | 6FLF (10643-6-6)    | 112    | 6    | 451TC    | 1   |
| 800200307       | AOG Front T to Fan Manifold<br>AOG T<br>AOG Rear P to Suspension Manifold AOG P<br>AOG Rear T to Suspension Manifold AOG T | 6FLF 90 (13943-6-6) | 6FLF (10643-6-6)    | 19     | 6    | 451TC    | 3   |
| 800200308       | AOG LA to Inside Cylinder Rear Left<br>AOG RA to Inside Cylinder Rear Right                                                | 6FLF (10643-6-6)    | 6FLF 90 (13943-6-6) | 40     | 6    | 451TC    | 2   |
| 800200309       | AOG LB to Outside Cylinder Rear Left<br>AOG RB to Outside Cylinder Rear Right                                              | 6FLF (10643-6-6)    | 6FLF (10643-6-6)    | 56     | 6    | 451TC    | 2   |

**Adjustable 120-160" Steering Hose Kit  
(BOM A000000079 / Parker PKT20536)**

| ETI Part Number | Description                                  | Fitting 1        | Fitting 2           | Length | Size | Material | Qty |
|-----------------|----------------------------------------------|------------------|---------------------|--------|------|----------|-----|
| 800200273       | Left Front Cylinder to Right Front Cylinder  | 6FLF (10643-6-8) | 6FLF (10643-6-6)    | 170.5  | 6    | 451TC-6  | 1   |
| 800200274       | Left Rear Cylinder to Junction Manifold RHC  | 6FLF (10643-6-6) | 6FLF 90 (13943-6-6) | 189.5  | 6    | 451TC-6  | 1   |
| 800200275       | Right Rear Cylinder to Junction Manifold LHC | 6FLF (10643-6-6) | 6FLF 90 (13943-6-6) | 173.5  | 6    | 451TC-6  | 1   |

**Fixed 120" Steering Hose Kit  
(BOM A000000080 / Parker PKT20537)**

| ETI Part Number | Description         | Fitting 1        | Fitting 2           | Length | Size | Material | Qty |
|-----------------|---------------------|------------------|---------------------|--------|------|----------|-----|
| 800200276       | Left Steering Hose  | 6FLF (10643-6-6) | 6FLF (10643-6-6)    | 125    | 6    | 451TC-6  | 1   |
| 800200277       | Right Steering Hose | 6FLF (10643-6-6) | 6FLF 90 (10643-6-6) | 132    | 6    | 451TC-6  | 1   |

**AutoSteer Hose Kit**  
**(BOM A000000093 / Parker PKT20913)**

| ETI Part Number | Description                                                                                  | Fitting 1           | Fitting 2              | Length | Size | Material | Qty |
|-----------------|----------------------------------------------------------------------------------------------|---------------------|------------------------|--------|------|----------|-----|
| 800200329       | AutoSteer Port A to Junction Manifold LCLA B<br>AutoSteer Port B to Junction Manifold RCLA B | 6FLF 90 (13943-6-6) | 6FLF (10643-6-6)       | 18     | 6    | 451TC-8  | 2   |
| 800200330       | AutoSteer Port P to Front Gear Pump Pressure                                                 | 10FLF (10643-10-8)  | 10FLF (10643-10-10)    | 48     | 10   | 451TC-8  | 1   |
| 800200331       | AutoSteer Port T to Junction Manifold STA T                                                  | 10FLF (10643-10-8)  | 10FLF 90 (13943-10-10) | 26     | 10   | 451TC-8  | 1   |

**Station 2 Hose Kit**  
**(BOM A000000094 / Parker PKT20914)**

| ETI Part Number | Description                                                                                                                                                | Fitting 1              | Fitting 2           | Length | Size | Material | Qty |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|---------------------|--------|------|----------|-----|
| 800200283       | Brake Valve Return to Junction Manifold SB T                                                                                                               | 8FLF 90 LD (14143-8-8) | 8FLF (10643-8-8)    | 26     | 8    | 451TC    | 1   |
| 800200291       | Brake Valve Left Brake to Left Steel Brake Line<br>Brake Valve Right Brake to Right Steel Brake Line<br>Differential Brake Right to Right Steel Brake Line | 4FLF 90 (13943-4-4)    | 4 COMP (11143-4-4)  | 25     | 4    | 451TC    | 3   |
| 800200292       | Differential Brake Left to Left Steel Brake Line                                                                                                           | 4FLF 90 (13943-4-4)    | 4 COMP (11143-4-4)  | 33.5   | 4    | 451TC    | 1   |
| 800200332       | Steering Motor Return (Top Left) to Junction Manifold ST T                                                                                                 | 8FLF 90 (13943-8-8)    | 8FLF (10643-8-8)    | 33     | 8    | 451TC    | 1   |
| 800200333       | Steering Motor Pressure (Bottom Left) to Front Gear Pump Pressure                                                                                          | 8FLF 90 (13943-8-8)    | 10FLF (10643-10-8)  | 28     | 8    | 451TC    | 1   |
| 800200334       | Steering Motor Left (Top Right) to Junction Manifold LST P                                                                                                 | 8FLF 90 (13943-8-6)    | 6FLF (10643-6-6)    | 15     | 6    | 451TC    | 1   |
| 800200335       | Steering Motor Right (Bottom Right) to Junction Manifold RST P                                                                                             | 8FLF 90 (13943-8-6)    | 6FLF (10643-6-6)    | 12     | 6    | 451TC    | 1   |
| 800200336       | Brake Valve Left Pressure to Junction Manifold LBK P<br>Brake Valve Right Pressure to Junction Manifold RBK P                                              | 6FLF (10643-6-6)       | 6FLF 90 (13943-6-6) | 33     | 6    | 451TC    | 2   |

**Boom Hose Kit**  
**(BOM A000000095 / Parker PKT20915)**

| ETI Part Number | Description                                                                                                                                                                                                      | Fitting 1           | Fitting 2              | Length | Size | Material | Qty |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|------------------------|--------|------|----------|-----|
| 800200344       | Left Tilt Accumulator to Boom Block LTT P<br>Right Tilt Accumulator to Boom Block RTT P                                                                                                                          | 8FLF (10643-8-6)    | 6FLF (10643-6-6)       | 126    | 6    | 451TC    | 2   |
| 800200301       | Left Fold Cylinder Rod to Boom Block LFD R<br>Right Fold Cylinder Rod to Boom Block RFD R                                                                                                                        | 6FLF (10643-6-4)    | 6FLF (10643-6-4)       | 62     | 4    | 451TC    | 2   |
| 800200302       | Left Fold Cylinder Bore to Boom Block LFD B<br>Right Fold Cylinder Bore to Boom Block RFD B                                                                                                                      | 6FLF (10643-6-4)    | 6FLF (10643-6-4)       | 52     | 4    | 451TC    | 2   |
| 800200303       | Left Tilt Cylinder Rod to Left Tilt Accumulator<br>Right Tilt Cylinder Rod to Right Tilt Accumulator                                                                                                             | 8FLF (10643-8-8)    | 6FLF (10643-6-8)       | 36     | 8    | 451TC    | 2   |
| 800200337       | Left Rack Cylinder Bore to Suspension Block LRK B<br>Left Rack Cylinder Rod to Suspension Block LRK R<br>Right Rack Cylinder Bore to Suspension Block RRK B<br>Right Rack Cylinder Rod to Suspension Block RRK R | 6FLF (10643-6-4)    | 4FLF 90 (13943-4-4)    | 50     | 4    | 451TC    | 1   |
| 800200338       | Suspension Block BM P to Boom Block SUS P                                                                                                                                                                        | 8FLF (10643-8-8)    | 8FLF 90 (13943-8-8)    | 73     | 8    | 451TC    | 1   |
| 800200339       | Suspension Block BM T to Boom Block SUS T                                                                                                                                                                        | 10FLF (10643-10-10) | 10FLF 90 (13943-10-10) | 73     | 10   | 451TC    | 1   |
| 800200340       | Left Tilt Cylinder Bore to Boom Block TT T                                                                                                                                                                       | 6FLF (10643-6-6)    | 8FLF (10643-8-6)       | 145    | 6    | 451TC    | 1   |
| 800200341       | Right Tilt Cylinder Bore to Boom Block TT T                                                                                                                                                                      | 6FLF (10643-6-6)    | 8FLF 90 (13943-8-6)    | 145    | 6    | 451TC    | 1   |



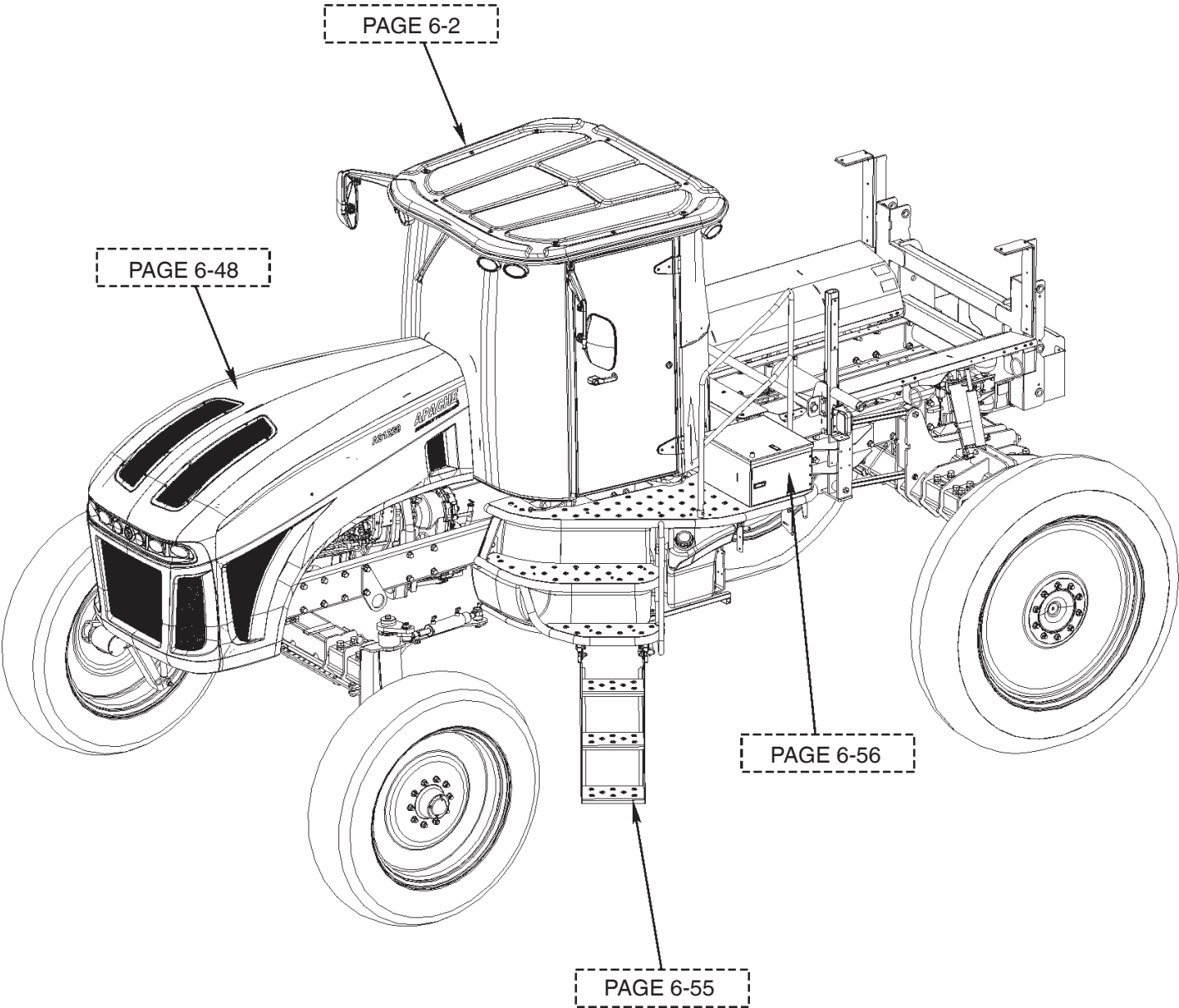
## Bulk Hoses

| ETI Part Number | Description                                                        | Fitting 1              | Fitting 2                    | Length | Size | Material | Qty |
|-----------------|--------------------------------------------------------------------|------------------------|------------------------------|--------|------|----------|-----|
| 800200225       | Transmission Cooler Bottom to Transmission Bottom<br>AS1020/AS1220 | 16FLF (10643-16-16)    | 16FLF 90 LD<br>(14143-16-16) | 68     | 16   | 100R4    | 1   |
| 800200226       | Transmission Cooler Top to Transmission Top<br>AS1020/AS1220       | 16FLF (10643-16-16)    | 16FLF 90 LD<br>(14143-16-16) | 79     | 16   | 100R4    | 1   |
| 800200342       | Junction Manifold PB P to Ausco Inline Brake<br>AS1020/AS1220      | 6FLF (10643-6-6)       | 8FLF (10643-8-6)             | 85     | 6    | 451TC    | 1   |
| 800200228       | Transmission Right Bottom Cooler to Right Transmission<br>AS720    | 16FLF (10643-16-12)    | 12FLF (10643-12-12)          | 58     | 12   | 100R4    | 1   |
| 800200229       | Transmission Right Top Cooler to Left Transmission<br>AS720        | 16FLF 90 (13943-16-12) | 12FLF (10643-12-12)          | 100    | 12   | 100R4    | 1   |
| 800200343       | Junction Manifold PB P to Spring Can Sahr<br>AS720                 | 6FLF (10643-6-6)       | 6SLF 90 SD (1J943-6-6)       | 56.5   | 6    | 451TC    | 1   |
| 800200297       | Left Tip Cylinder Rod to Boom Block LTP R<br>AS1020/AS1220         | 6FLF (10643-6-4)       | 6FLF (10643-6-4)             | 353    | 4    | 451TC    | 1   |
| 800200298       | Right Tip Cylinder Rod to Boom Block RTP R<br>AS1020/AS1220        | 6FLF (10643-6-4)       | 6FLF (10643-6-4)             | 348    | 4    | 451TC    | 1   |
| 800200299       | Left Tip Cylinder Bore to Boom Block LTP B<br>AS1020/AS1220        | 6FLF (10643-6-4)       | 6FLF (10643-6-4)             | 336    | 4    | 451TC    | 1   |
| 800200300       | Right Tip Cylinder Bore to Boom Block RTP B<br>AS1020/AS1220       | 6FLF (10643-6-4)       | 6FLF (10643-6-4)             | 331    | 4    | 451TC    | 1   |
| 800200315       | Hydraulic Silencer to Junction Manifold P1 P, ZF<br>AS1020/AS1220  | 16FLF 90 (13943-16-16) | 16FLF (10643-16-16)          | 18.5   | 16   | 451TC    | 1   |
| 800200345       | Hydraulic Silencer to Junction Manifold P1 P, ITL<br>AS720         | 16FLF 90 (13943-16-16) | 16FLF (10643-16-16)          | 14     | 16   | 451TC    | 1   |



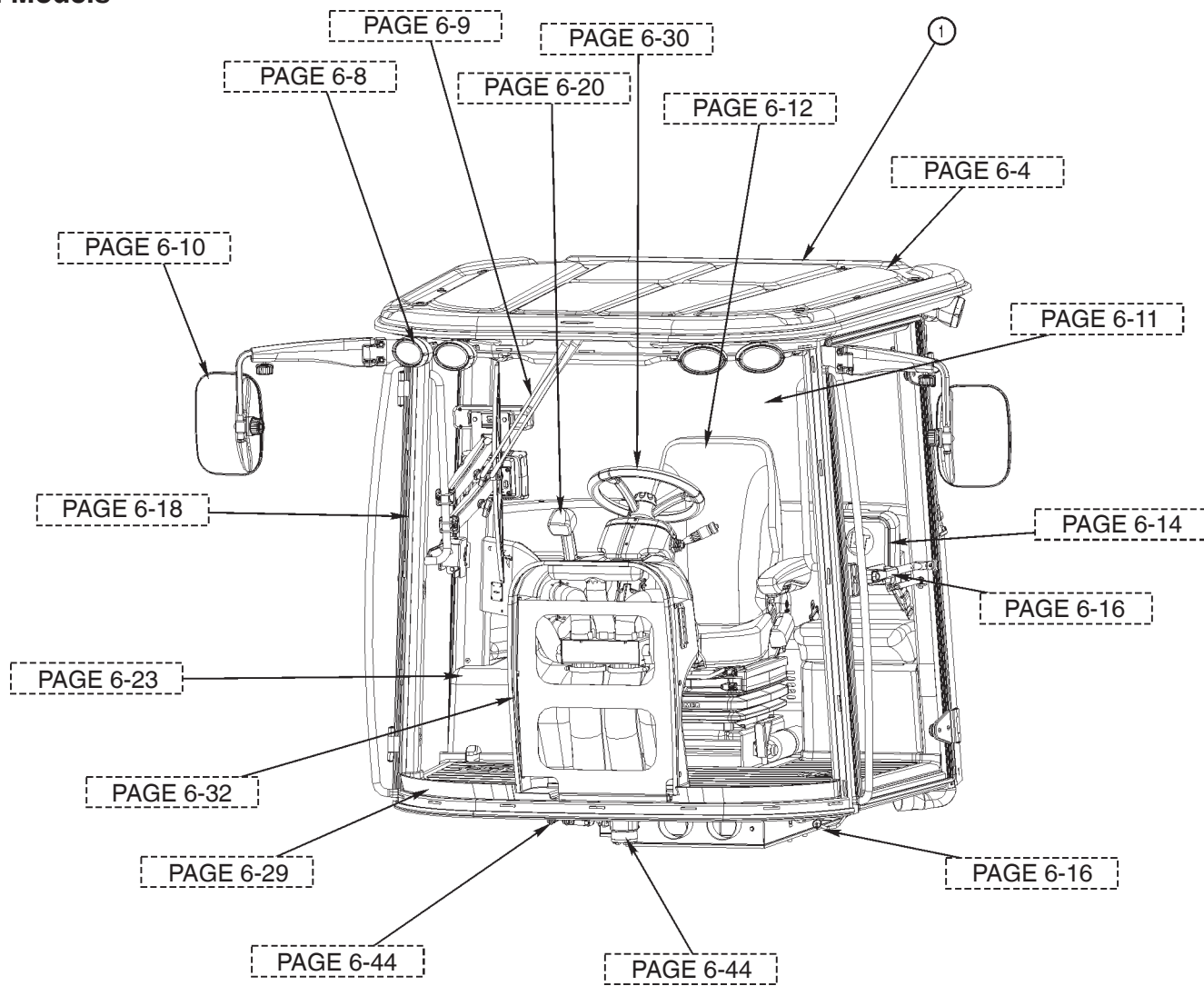
Cab, Hood and Trim  
Section Overview

All Models



# Cab Overview

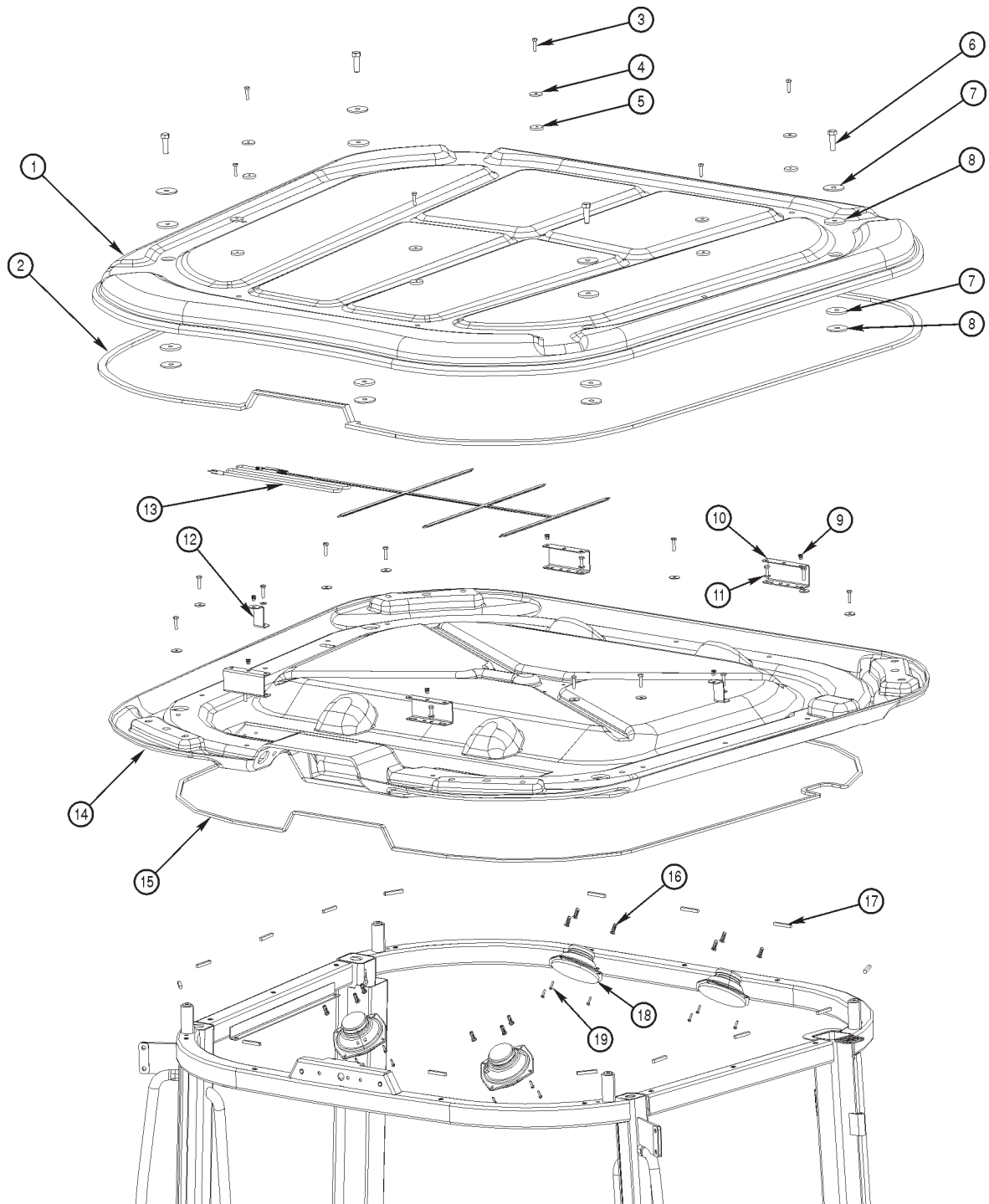
## All Models



| Item | Part Number | Qty | Description                 | Comments  |
|------|-------------|-----|-----------------------------|-----------|
| 1    | 400000802   | 1   | Cab, Assembly, Angus (2012) |           |
|      |             |     |                             |           |
|      | 420305501   |     | Plate, Serial Number        | Not shown |
|      |             |     |                             |           |
|      |             |     |                             |           |
|      |             |     |                             |           |
|      |             |     |                             |           |
|      |             |     |                             |           |
|      |             |     |                             |           |
|      |             |     |                             |           |

# Roof

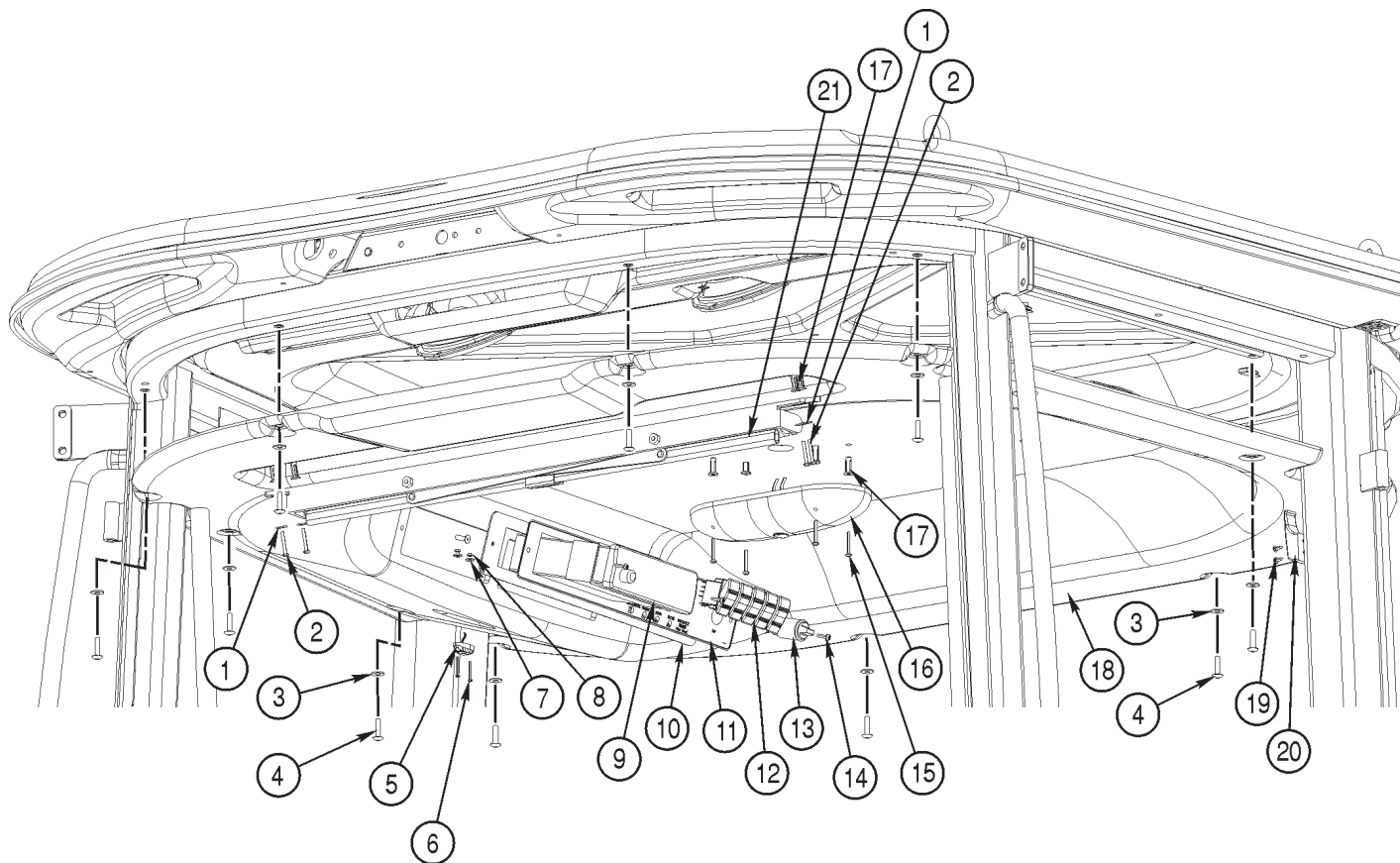
## All Models



| Item | Part Number | Qty | Description                                   | Comments          |
|------|-------------|-----|-----------------------------------------------|-------------------|
| 1    | 400200161   | 1   | Cab Roof, Outer                               |                   |
| 2    | 400200165   | 1   | Seal, Cab Roof                                |                   |
| 3    | 400200012   | 6   | Bolt, Cab 1/4-20 x 1" G8                      |                   |
| 4    | 902002051   | 6   | Washer, Fender 1-1/4 OD X 1/4 ID ZP 1/8 Thick |                   |
| 5    | 490000118   | 6   | Gasket, 0.2 ID X 3/16 Thick                   | See SB #2011-07A. |
| 6    | 900003245   | 4   | Bolt, HHCS 1/2-13 X 1 1/2 G5 ZP               |                   |
| 7    | 400000854   | 8   | Washer, 0.5, 2.0, 0.125, FLT, ES5YZ           |                   |
| 8    | 490000119   | 8   | Gasket, 0.45 ID X 3/16 THICK                  |                   |
| 9    | 400200021   | 6   | Rivnut, 1/4-20 0.305 Cab                      |                   |
| 10   | 400200164   | 4   | Bracket, Roof Mounting                        |                   |
| 11   | 400200012   | 10  | Bolt, Cab 1/4-20 x 1" G8                      |                   |
| 12   | 400200163   | 2   | Bracket, Roof Mounting                        |                   |
| 13A  | 400200185   | 1   | Antenna, 3-Band Folded Dipole with coax cable |                   |
| 13B  | 400200185A  | 1   | Antenna, 3-Band Folded Dipole Upper half only |                   |
| 14   | 400200160   | 1   | Cab Roof , Inner                              |                   |
| 15   | 400200162   | 1   | Seal, Cab Roof Inner                          |                   |
| 16   | 400200159   | 20  | Rivnut, M4 x 0.7, RND, 8.23P, 4.75-9.53, ST   |                   |
| 17   | 400200002   | 15  | Block, Setting Cab 0.25 x 0.25 x 2 " Neoprene |                   |
| 18   | 420200002   | 4   | Speaker, DLS 225                              |                   |
| 19   | 400000821   | 12  | Bolt,M4 x 0.7 x 16, Pan , PH                  |                   |
|      |             |     |                                               |                   |
|      | 420200003   |     | Tuner Sat Sirius                              | Not shown         |
|      | 420200005   |     | Antenna, Sat Sirius Magnetic                  | Not shown         |
|      | 420200006   |     | Cable, iPod 12'                               | Not shown         |
|      | 420200007   |     | Cable, 3.5 mm, Audio Male T Male 6'           | Not shown         |
|      | 420200008   |     | Ram Mount, Diamond Base C Ball                | Not shown         |
|      | 420200009   |     | Ram Mount, Cradle, Side Clamp                 | Not shown         |

# Headliner

## All Models

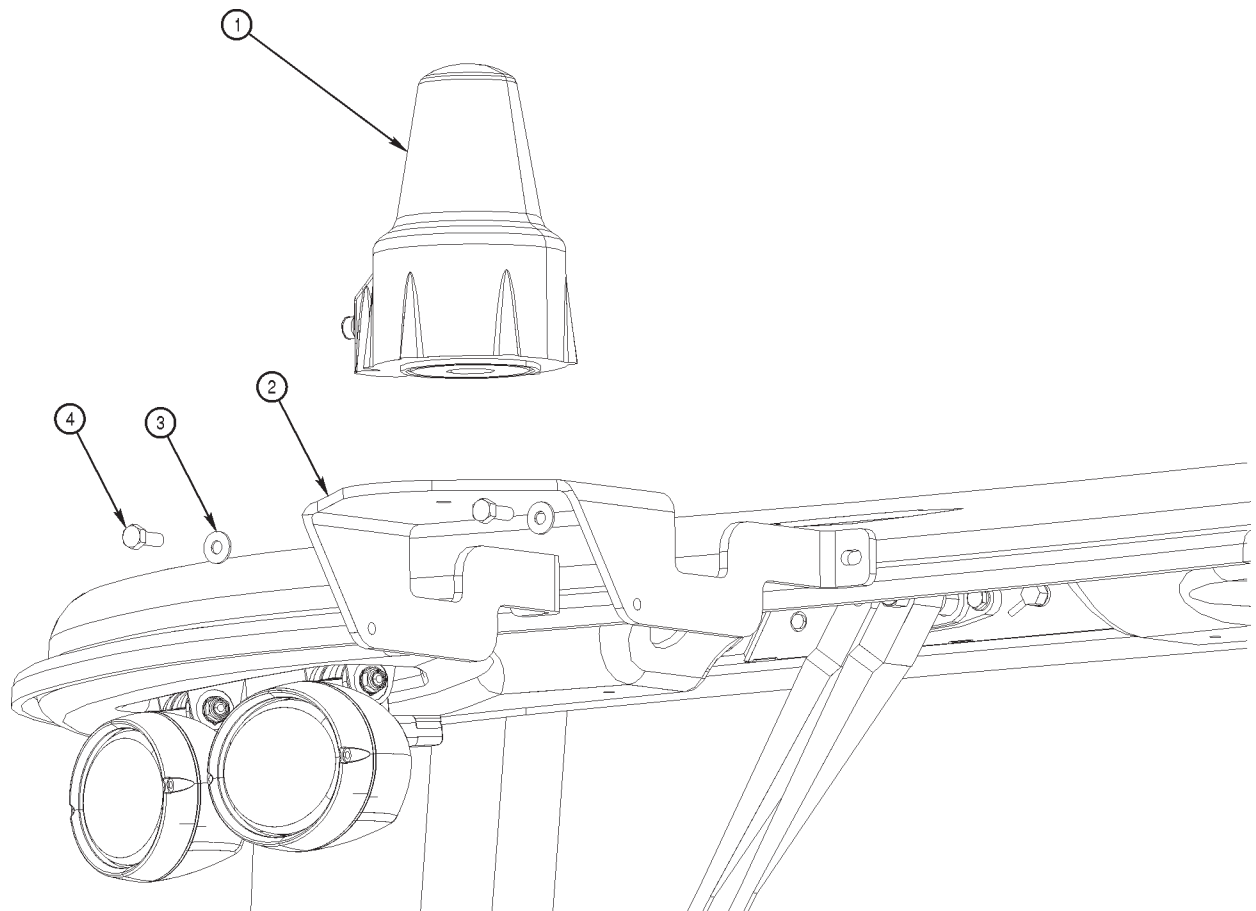


| Item | Part Number | Qty | Description                                 | Comments  |
|------|-------------|-----|---------------------------------------------|-----------|
| 1    | 400200071   | 4   | Washer, Cab Sun Visor                       |           |
| 2    | 400000637   | 4   | Bolt, M4 x 0.7 x 30                         |           |
| 3    | 400000346   | 26  | Washer, Flat 0.260, 0.680, 0.062            |           |
| 4    | 400000362   | 12  | Bolt, 1/4-20 x 1 TRS Cab                    |           |
| 5    | 400200175   | 1   | Assembly, Accent Light                      |           |
| 6    | 400000858   | 2   | Bolt,, #4-40 x 1.00,Pan                     |           |
| 7    | 400000857   | 2   | Washer, 0.188, 0.435, 0.053                 |           |
| 8    | 400000859   | 2   | Nut, #4-40,Hex                              |           |
| 9    | 420200001   | 1   | Radio, Jensen JDH3620B                      |           |
| 10   | 400200171   | 1   | Plate, Switch Panel                         |           |
| 11   | 400200172   | 1   | Decal, Switch Panel                         |           |
| 12   | 400000832   | 5   | Switch, Rocker,12V 20A, SPST                |           |
| 13   | 400000697   | 1   | Power Point with Cap                        |           |
| 14   | 400000821   | 3   | Bolt, M4 x 0.7 x 16, Pan, PH                |           |
| 15   | 400000637   | 4   | Bolt, M4 x 0.7 x 30                         |           |
| 16   | 400200174   | 1   | Assembly, Dome Light                        |           |
| 17   | 400200159   | 20  | Rivnut, M4 x 0.7, RND, 8.23P, 4.75-9.53, ST |           |
| 18   | 400200167   | 1   | Headliner, Cab                              |           |
| 19   | 400000349   | 2   | Screw, #8-18 x 0.50 Pan Cab                 |           |
| 20   | 400000693   | 1   | Hook, Clothing                              |           |
| 21   | 400200073   | 1   | Sun Visor, Cab                              |           |
|      | 420200003   |     | Tuner Sat Sirius                            | Not shown |
|      | 420200005   |     | Antenna, Sat Sirius Magnetic                | Not shown |
|      | 420200006   |     | Cable, iPod 12'                             | Not shown |
|      | 420200007   |     | Cable, 3.5 mm, Audio Male T Male 6'         | Not shown |
|      | 420200008   |     | Ram Mount, Diamond Base C Ball              | Not shown |
|      | 420200009   |     | Ram Mount, Cradle, Side Clamp               | Not shown |



# Antenna Mount

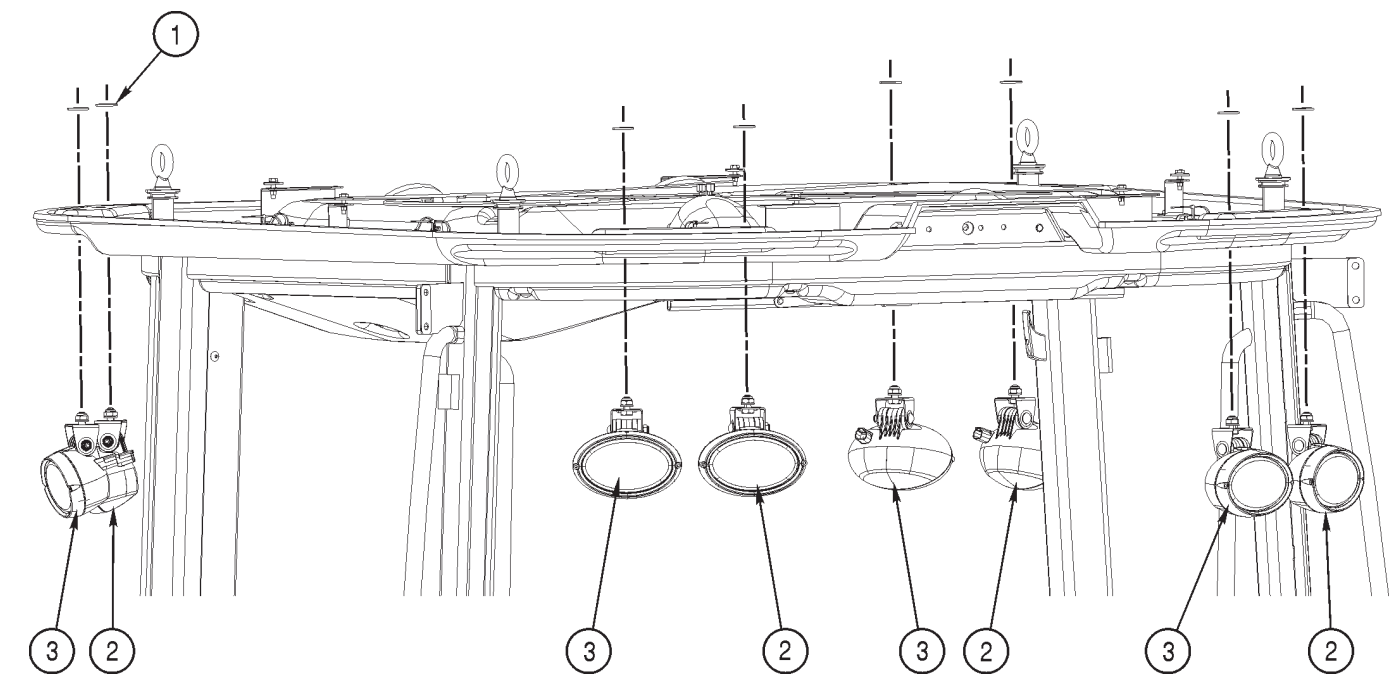
## All Models



| Item | Part Number | Qty | Description                                        | Comments  |
|------|-------------|-----|----------------------------------------------------|-----------|
| 1A   | 740000119   | 1   | Antenna, Phoenix 200 Receiver                      |           |
| 1B   | 740000121   | 1   | Antenna, Phoenix 300 Receiver                      |           |
| 2    | 420000050   | 1   | Bracket, Antenna Front Mount                       |           |
| 3    | 902003195   | 2   | Washer, Flat 5/16 G5 ZP                            |           |
| 4    | 900002600   | 2   | Bolt, HHCS 5/16-18 X 3/4 G5 ZP                     |           |
|      |             |     |                                                    |           |
|      | 440000004   | 1   | Ram Mount, Double Socket Arm B Length              | Not shown |
|      | 450000001   | 1   | Mount Bracket, AutoSteer Cont and Phoenix Receiver | Not shown |
|      | 740000032   | 1   | Cable, Receiver to PC, 300 and SmarTrax            | Not shown |
|      | 740000120   | 1   | Receiver, Phoenix 300                              | Not shown |
|      | 740000122   | 1   | Cable, 12' Power Phoenix 300                       | Not shown |
|      | K65000227   |     | Kit, Antenna Phoenix 200 2012                      |           |
|      | K65000228   |     | Kit, Antenna Phoenix 300 w/ Viper 2012             |           |

Cab Lights

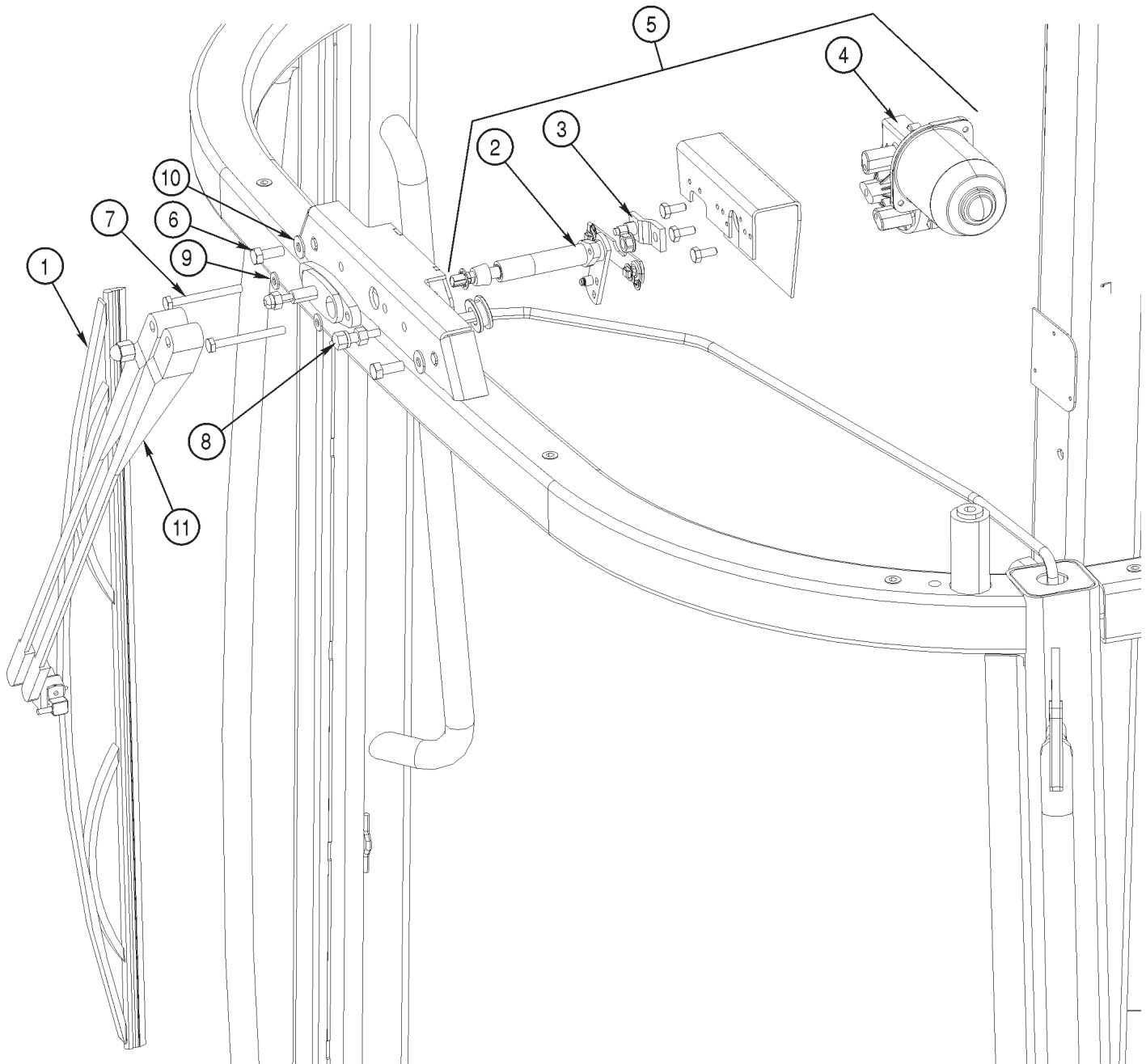
All Models



| Item | Part Number | Qty | Description                     | Comments     |
|------|-------------|-----|---------------------------------|--------------|
| 1    | 400000847   | 8   | Washer, Flat 0.406,1.250, 0.094 |              |
| 2    | 400000865   | 4   | Light, Oval, DBL Bulb H3, 12V L | Ribbed Glass |
| 3    | 400000866   | 4   | Light, Oval, DBL Bulb H3, 12V G | Smooth Glass |
|      |             |     |                                 |              |
|      |             |     |                                 |              |
|      |             |     |                                 |              |
|      |             |     |                                 |              |
|      |             |     |                                 |              |
|      |             |     |                                 |              |
|      |             |     |                                 |              |

# Wiper

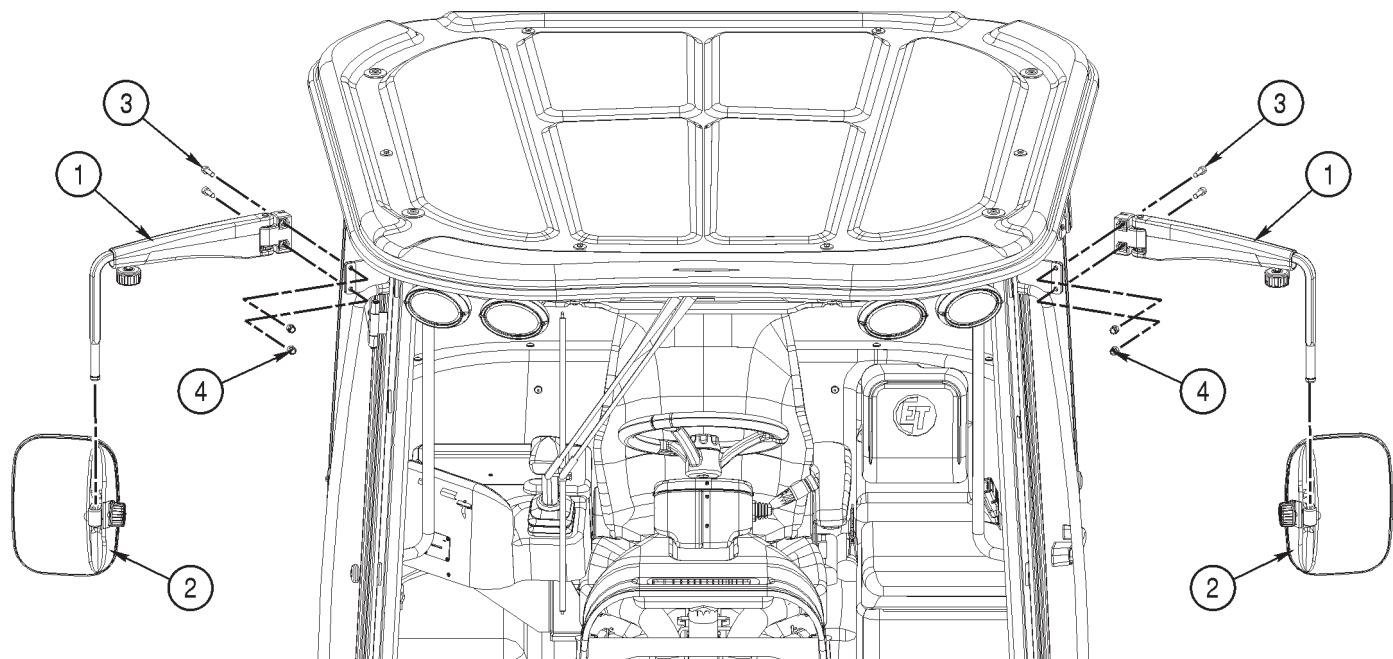
## All Models



| Item | Part Number | Qty | Description                       | Comments                  |
|------|-------------|-----|-----------------------------------|---------------------------|
| 1    | 400000837   | 1   | Blade, Wiper, 28" Flex, Black     |                           |
| 2    | 400000842   | 1   | Shaft, 3" Pivot                   |                           |
| 3    | 400000841   | 1   | Arm, Drive, WWJ Wiper, 0.950 Long |                           |
| 4    | 400000843   | 1   | Wiper, Motor 12 V                 | Motor Only                |
| 5    | 400200154   | 1   | Assembly, Wiper Motor             | Includes items 2, 3 and 4 |
| 6    | 400000839   | 2   | Bolt, 0.31-18x 0.75, Hex, G8      |                           |
| 7    | 400000840   | 2   | Bolt, 0.25-28 x 2.50, Hex, G8     |                           |
| 8    | 400000834   | 1   | Adapter, Wet Arm                  |                           |
| 9    | 400000826   | 2   | Washer, Flat 0.251, 0.565, 0.060  |                           |
| 10   | 400200059   | 2   | Washer, Cab 0.313, 0.750, 0.062   |                           |
| 11   | 400000836   | 1   | Arm, Wiper, 22" Panto, Dry        |                           |

Mirror

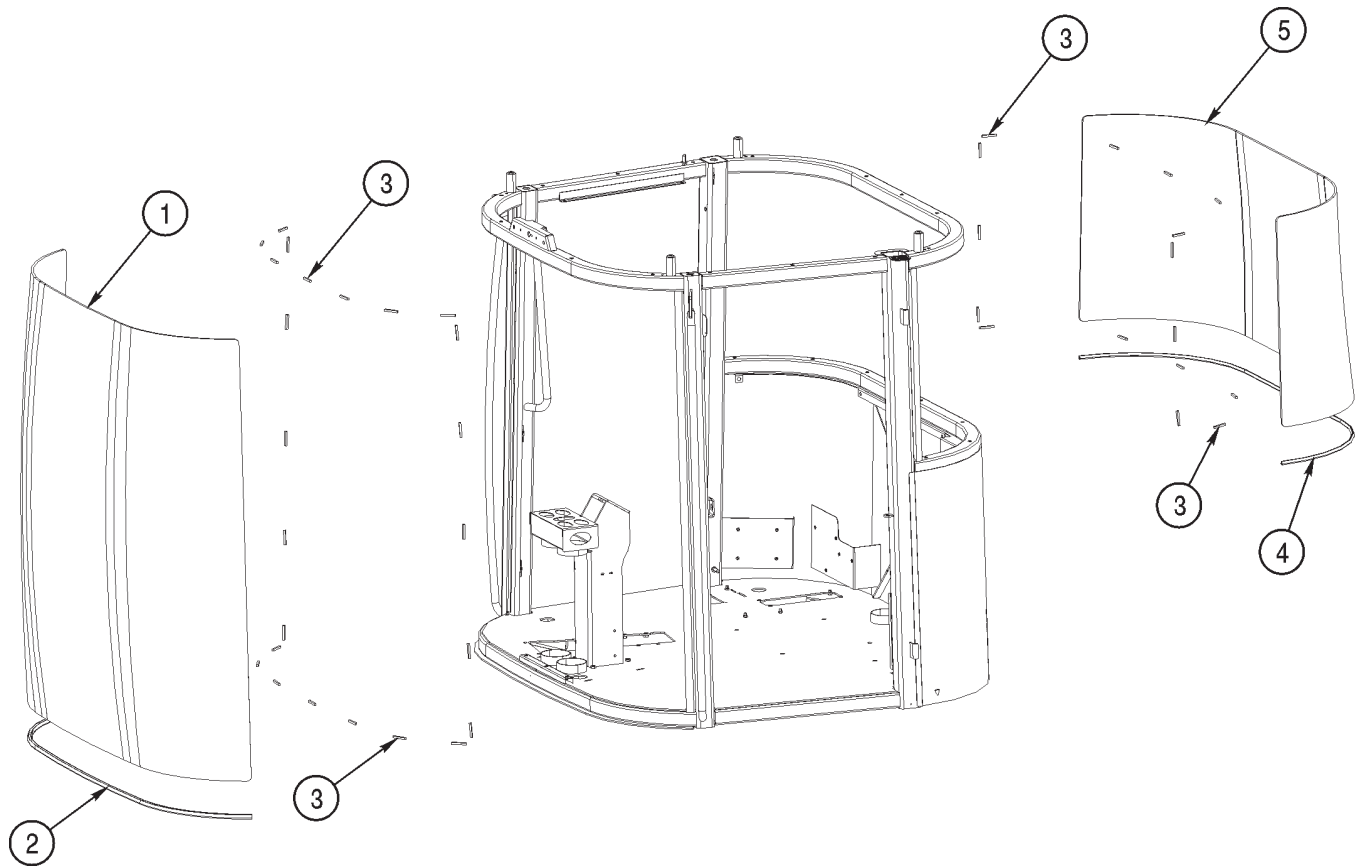
All Models



| Item | Part Number | Qty | Description                         | Comments |
|------|-------------|-----|-------------------------------------|----------|
| 1    | 400200204   | 2   | Arm, Mirror, Extendable             |          |
| 2    | 400000725   | 2   | Mirror, Britax                      |          |
| 3    | 400200203   | 4   | Bolt, M10 x 1.5 x 30, SKT, FT, C8.8 |          |
| 4    | 400200205   | 4   | Nut, M10 x 1.5, Hex, NK, C8         |          |
|      |             |     |                                     |          |
|      |             |     |                                     |          |
|      |             |     |                                     |          |
|      |             |     |                                     |          |

# Front and Rear Glass

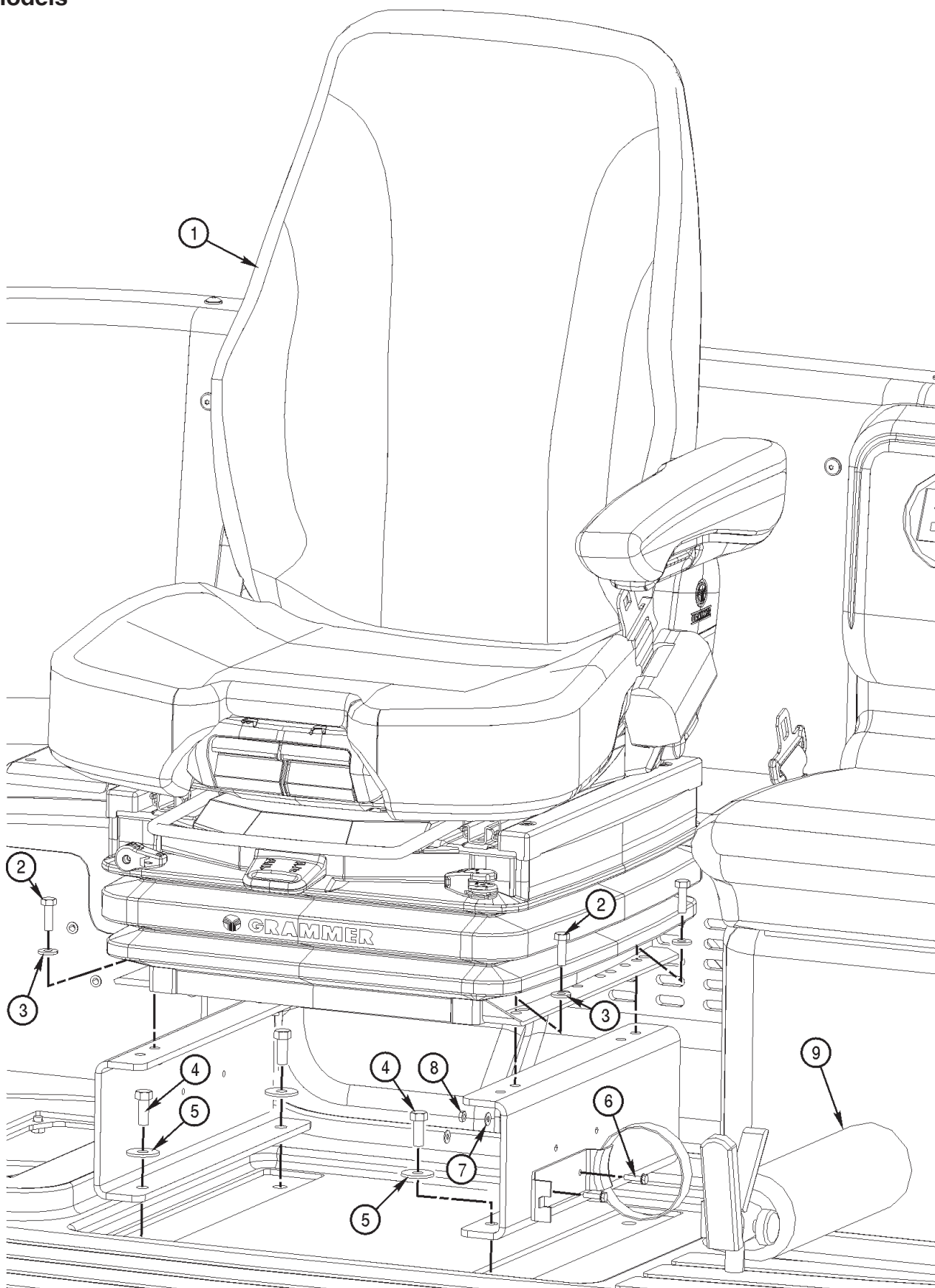
## All Models



| Item | Part Number | Qty | Description                                   | Comments |
|------|-------------|-----|-----------------------------------------------|----------|
| 1    | 400000727   | 1   | Glass, Cab Front                              |          |
| 2    | 400000729   | 1   | Trim, Window Edge Front                       |          |
| 3    | 400200002   | 40  | Block, Setting Cab 0.25 x 0.25 x 2 " Neoprene |          |
| 4    | 400000730   | 1   | Trim, Window Edge Rear                        |          |
| 5    | 400000726   | 1   | Glass, Cab Rear                               |          |
|      |             |     |                                               |          |
|      |             |     |                                               |          |
|      |             |     |                                               |          |
|      |             |     |                                               |          |

# Operator Seat

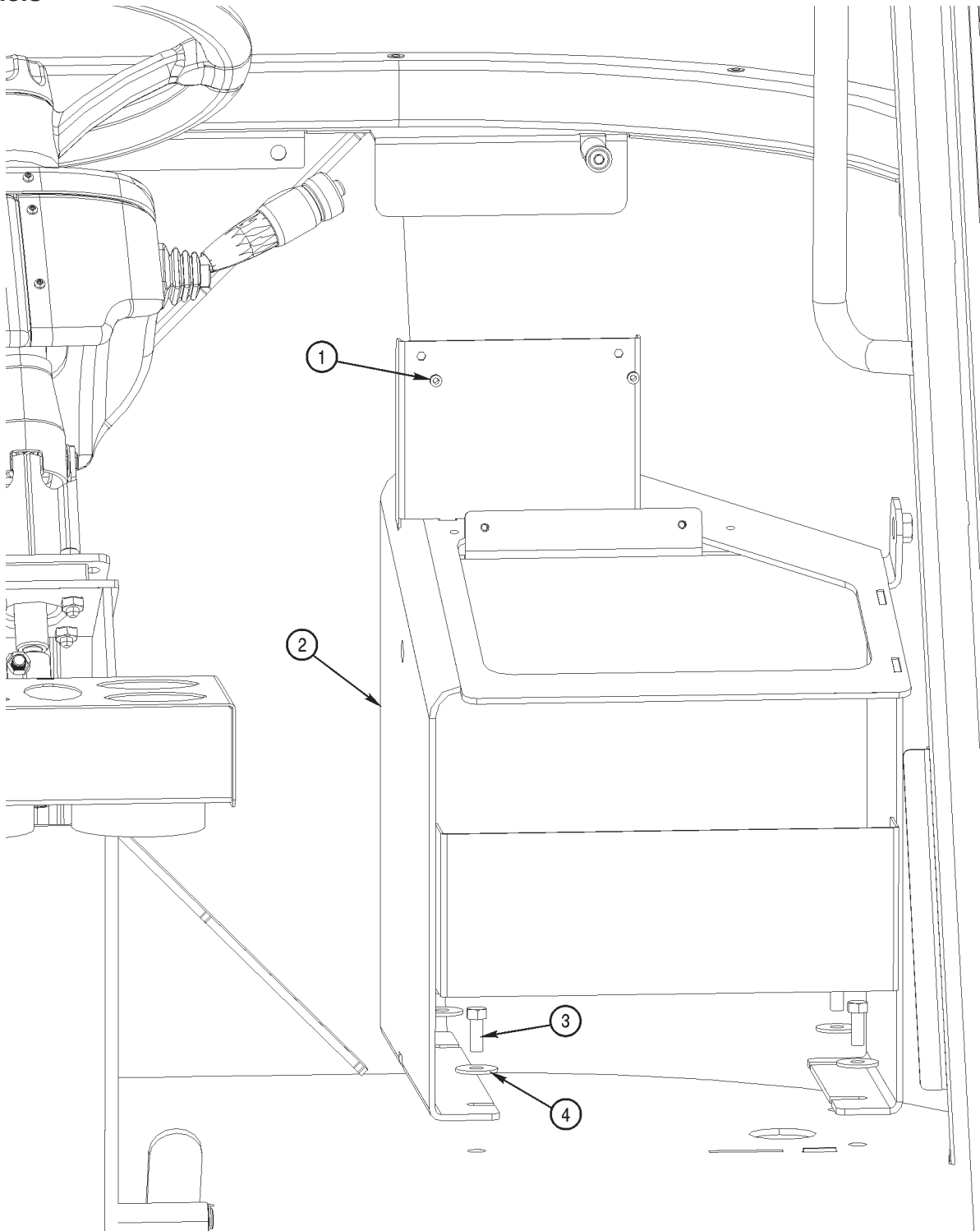
## All Models



| Item | Part Number | Qty | Description                       | Comments  |
|------|-------------|-----|-----------------------------------|-----------|
| 1    | 400200156   | 1   | Assembly,Seat, MSG97AL/742        |           |
| 2A   | 800000850   | 4   | Bolt, 0.31-18 x 1.00, Hex G8      |           |
| 2B   | 400200013   | 4   | Nut, Cab 0.31-18, Hex G8          | Not shown |
| 3    | 400000357   | 8   | Washer, 3/4 Flat Cab              |           |
| 4    | 400000416   | 4   | Bolt, 3/8-16X 1" Hex G8           |           |
| 5    | 400000847   | 4   | Washer, Flat, 0.406,1.250, 0.094  |           |
| 6    | 400000848   | 2   | Bolt, #10-24 x 0.75,HFL,WL,G5     |           |
| 7    | 800000849   | 2   | Washer, Flat, 0.214, 0.495, 0.036 |           |
| 8    | 400000326   | 2   | Nut, 10-24 Hex G5                 |           |
| 9    | 400000313   | 1   | Extinguisher, Fire Cab            |           |
|      |             |     |                                   |           |
|      | 420400152   |     | Armrest Kit, L/H                  |           |
|      | 420400153   |     | Armrest Kit, R/H                  |           |
|      | 420400154   |     | Seat Top Cushion                  |           |
|      | 420400155   |     | Seat Back Cushion with Logo       |           |
|      | 420400156   |     | Suspension Kit                    |           |
|      | 420400157   |     | Seat belt Kit                     |           |
|      | 420400158   |     | Seat Depth and Tilt Kit           |           |

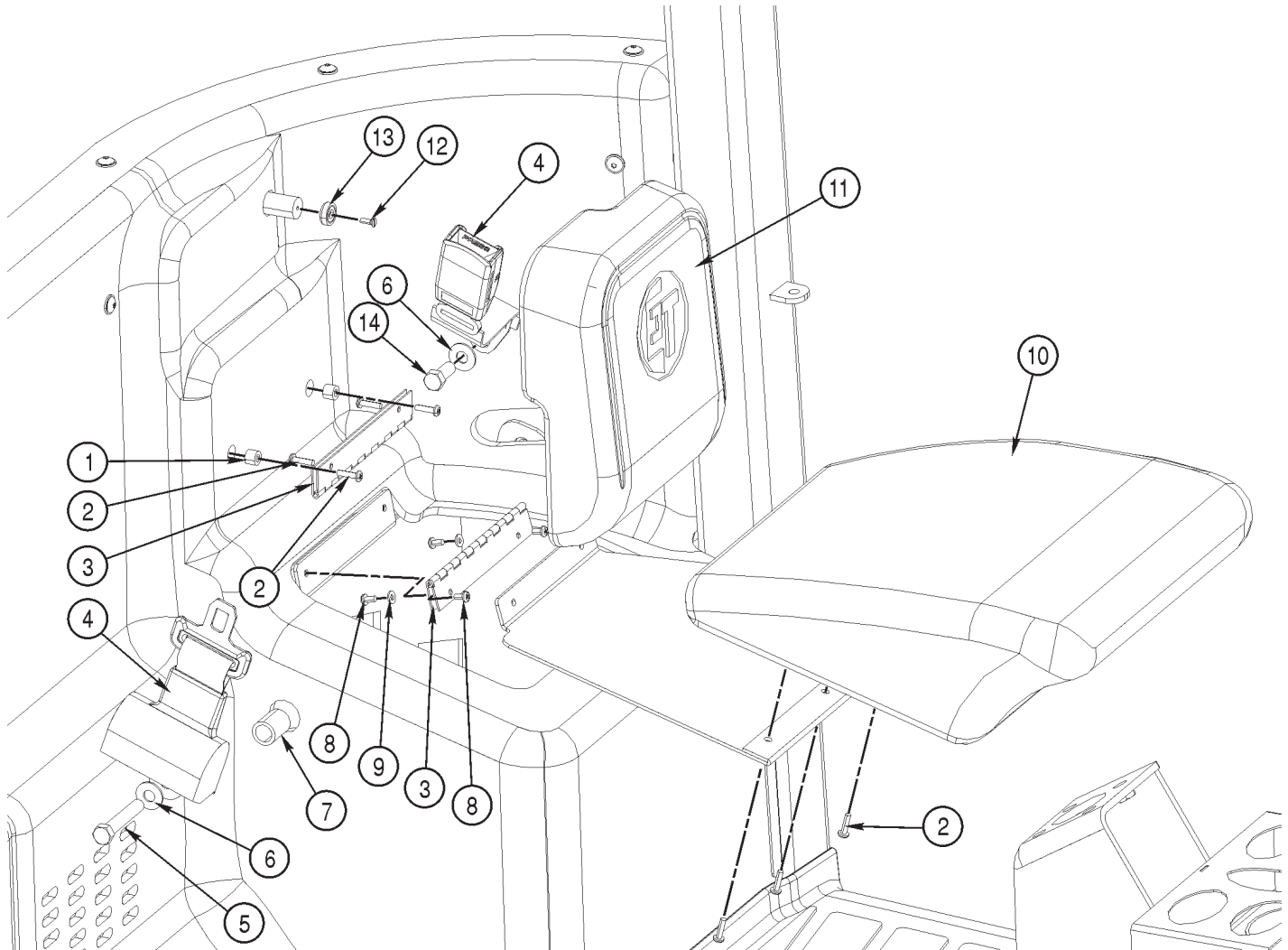
Buddy Seat

All Models



| Item | Part Number | Qty | Description                         | Comments |
|------|-------------|-----|-------------------------------------|----------|
| 1    | 400000599   | 2   | Bushing, 0.257 x 0.50 x 0.375 Thick |          |
| 2    | 400200196   | 1   | Weldment, Buddy Seat Base           |          |
| 3    | 400000416   | 4   | Bolt, 3/8-16 x 1" Hex G8 Cab        |          |
| 4    | 400000847   | 4   | Washer, 0.406, 1.250, 0.094,        |          |
|      |             |     |                                     |          |

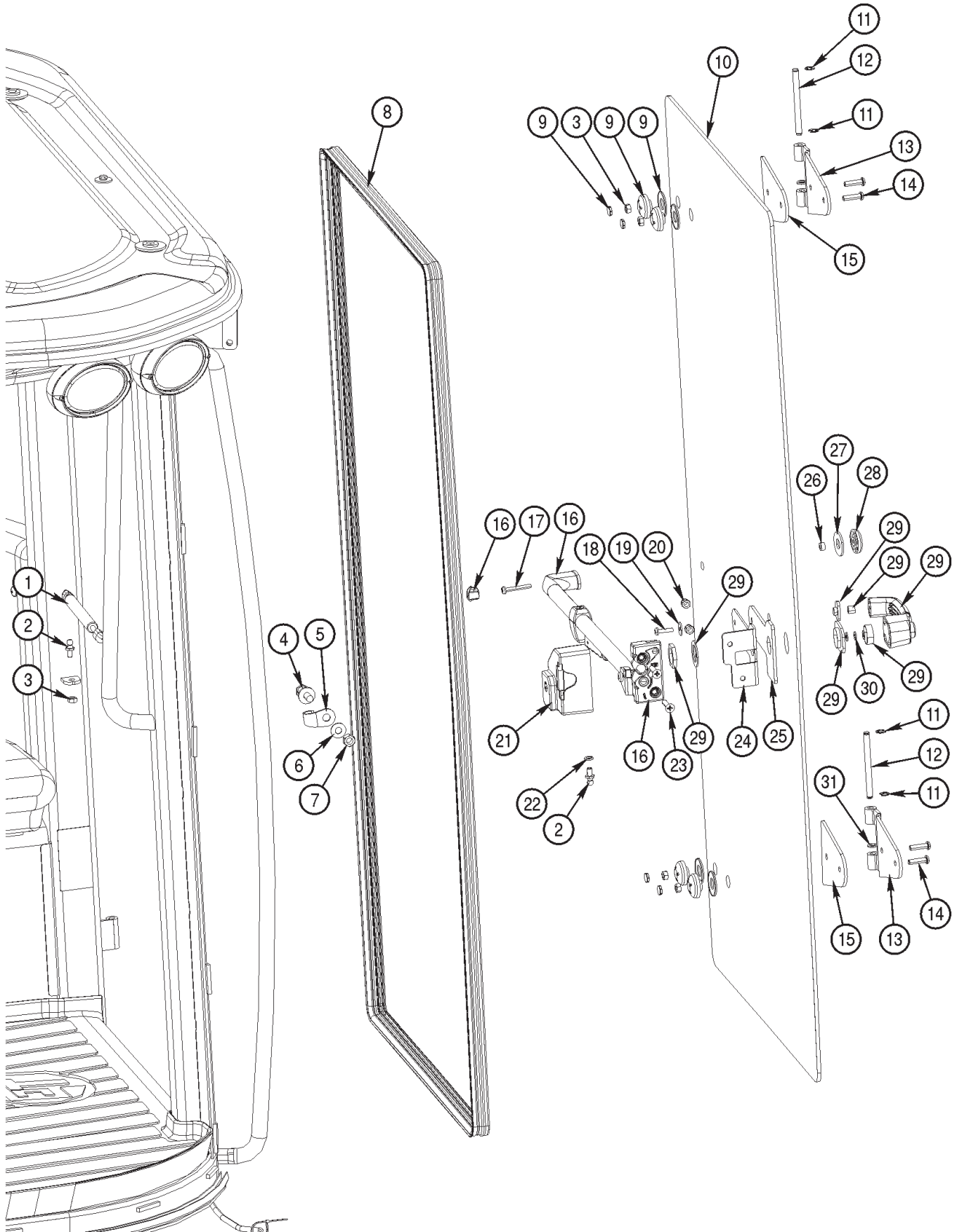




| Item | Part Number | Qty | Description                         | Comments |
|------|-------------|-----|-------------------------------------|----------|
| 1    | 400000599   | 2   | Bushing, 0.257 x 0.50 x 0.375 Thick |          |
| 2    | 400000885   | 7   | Bolt, #10-24 x 0.75, Panhead        |          |
| 3    | 400200201   | 2   | Hinge, Back Rest                    |          |
| 4    | 400200157   | 1   | Kit, Seat Belt 2"                   |          |
| 5    | 400000884   | 1   | Bolt, 0.44-14 x 2.50, Hex, G5       |          |
| 6    | 400000359   | 2   | Washer, Flat Cab                    |          |
| 7    | 400200199   | 1   | Bushing, Seat Belt                  |          |
| 8    | 400200195   | 4   | Bolt, #10-24 x 0.38, Pan, PH, G2,   |          |
| 9    | 400000857   | 2   | Washer, Flat 0.188, 0.435, 0.053,   |          |
| 10   | 400200197   | 1   | Cushion, Buddy Seat                 |          |
| 11   | 400200198   | 1   | Back Rest, Buddy Seat               |          |
| 12   | 400200194   | 1   | Bolt, #8-32 x 0.50                  |          |
| 13   | 400000886   | 1   | Magnet, Stl Cup, 13 lb              |          |
| 14   | 400000883   | 1   | Bolt, 0.44-14 x 1.00, Hex, G8       |          |

# Entry Door

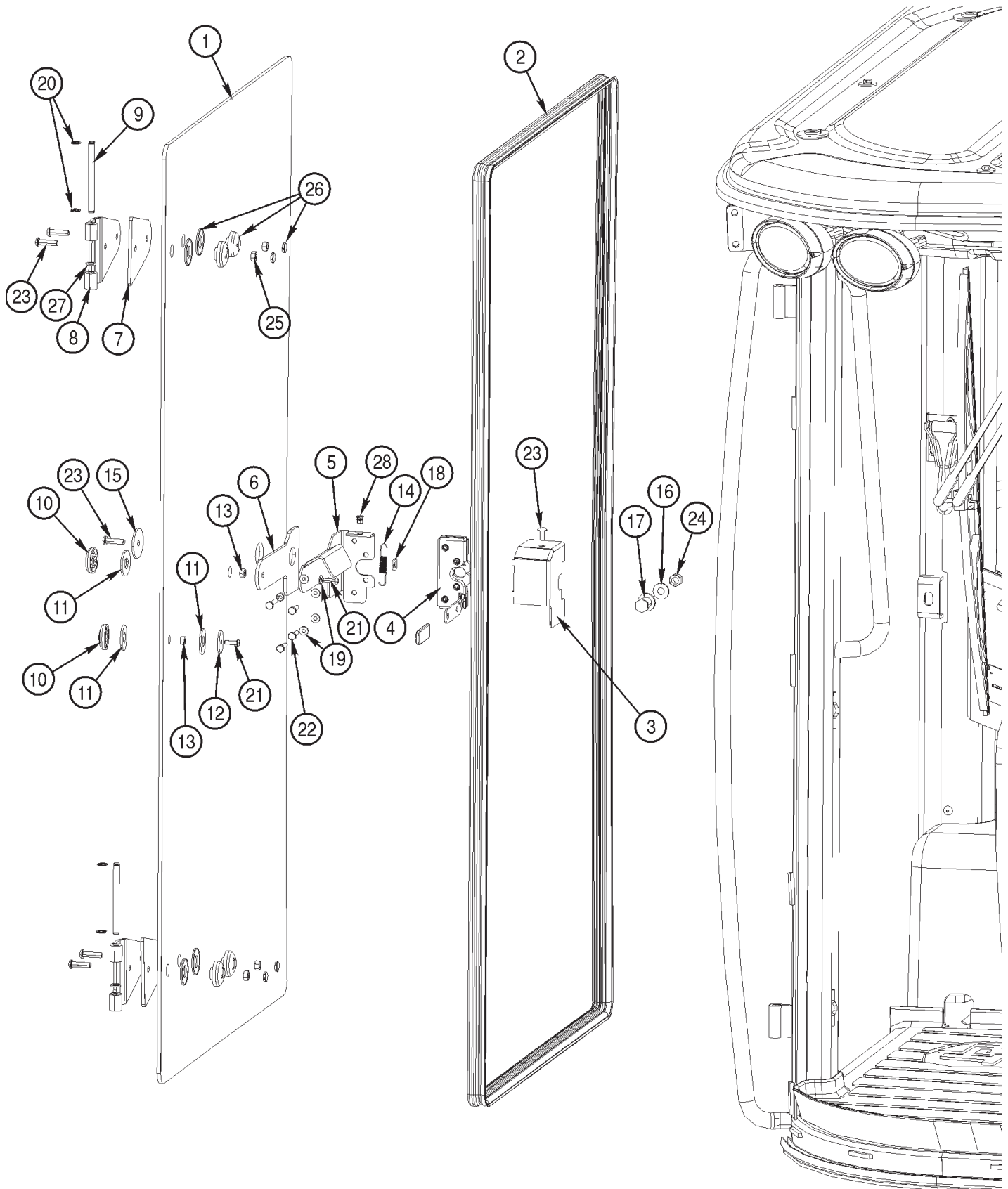
## All Models



| Item | Part Number | 35 | Description                          | Comments |
|------|-------------|----|--------------------------------------|----------|
| 1    | 400000874   | 1  | Gas Spring                           |          |
| 2    | 400000867   | 2  | Ball Stud, 10 mm Dia. M8 x 1.25 THD  |          |
| 3    | 400000430   | 5  | Nut, M8 x 1.25 Hex Cab               |          |
| 4    | 400000868   | 1  | Striker, Door                        |          |
| 5    | 400000871   | 1  | Guard, Striker, M12                  |          |
| 6    | 400000359   | 1  | Washer, Flat Cab 0.438, 1.000, 0.070 |          |
| 7    | 400000386   | 1  | Nut, 44-14                           |          |
| 8    | 400200179   | 1  | Seal, Door                           |          |
| 9    | 400000870   | 4  | Window Cap, M8, Assembly             |          |
| 10   | 400000728   | 1  | Glass, Cab Door                      |          |
| 11   | 400000872   | 4  | Ring, Retaining, 0.375 Shaft         |          |
| 12   | 400200181   | 2  | Pin, Door Hinge                      |          |
| 13   | 400200180   | 2  | Weldment, Door Hinge                 |          |
| 14   | 400000873   | 4  | Bolt, M8 x 1.25 x 30 Buttonhead      |          |
| 15   | 400200178   | 2  | Gasket, Door Hinge                   |          |
| 16   | 400200182   | 1  | Handle, Interior Release             |          |
| 17   | 400000046   | 1  | Bolt, M6 x 1 x 45, Pan               |          |
| 18   | 400200183   | 1  | Bolt, M6 x 1 x 25, Pan, PH           |          |
| 19   | 400000875   | 2  | Washer, 6.5, 22, 2, BZD CNH-B        |          |
| 20   | 400000437   | 2  | Nut, M8 x 1.25 Hex NK Cab            |          |
| 21   | 400000869   | 1  | Cover, Grab Handle Latch             |          |
| 22   | 400000429   | 2  | Washer, Flat 0.315, 0.575, 0.085     |          |
| 23   | 400000436   | 2  | Bolt, M8 x 1.25 x 35 Flat PH         |          |
| 24   | 400200176   | 1  | Mount, Interior Latch                |          |
| 25   | 400200177   | 1  | Gasket, Door Latch                   |          |
| 26   | 400000433   | 1  | Bushing, Nylon White, Door           |          |
| 27   | 400000365   | 1  | Seal, Rubber, under eyebolt          |          |
| 28   | 400000448   | 1  | Bushing, M6 Cab                      |          |
| 29   | 400000312   | 1  | Handle, Exterior Cab Door            |          |
| 30   | 400000826   | 3  | Washer, Flat, 0.251, 0.565, 0.060    |          |
| 31   | 400000444   | 2  | Washer, Flat, Brass                  |          |

## Service Door

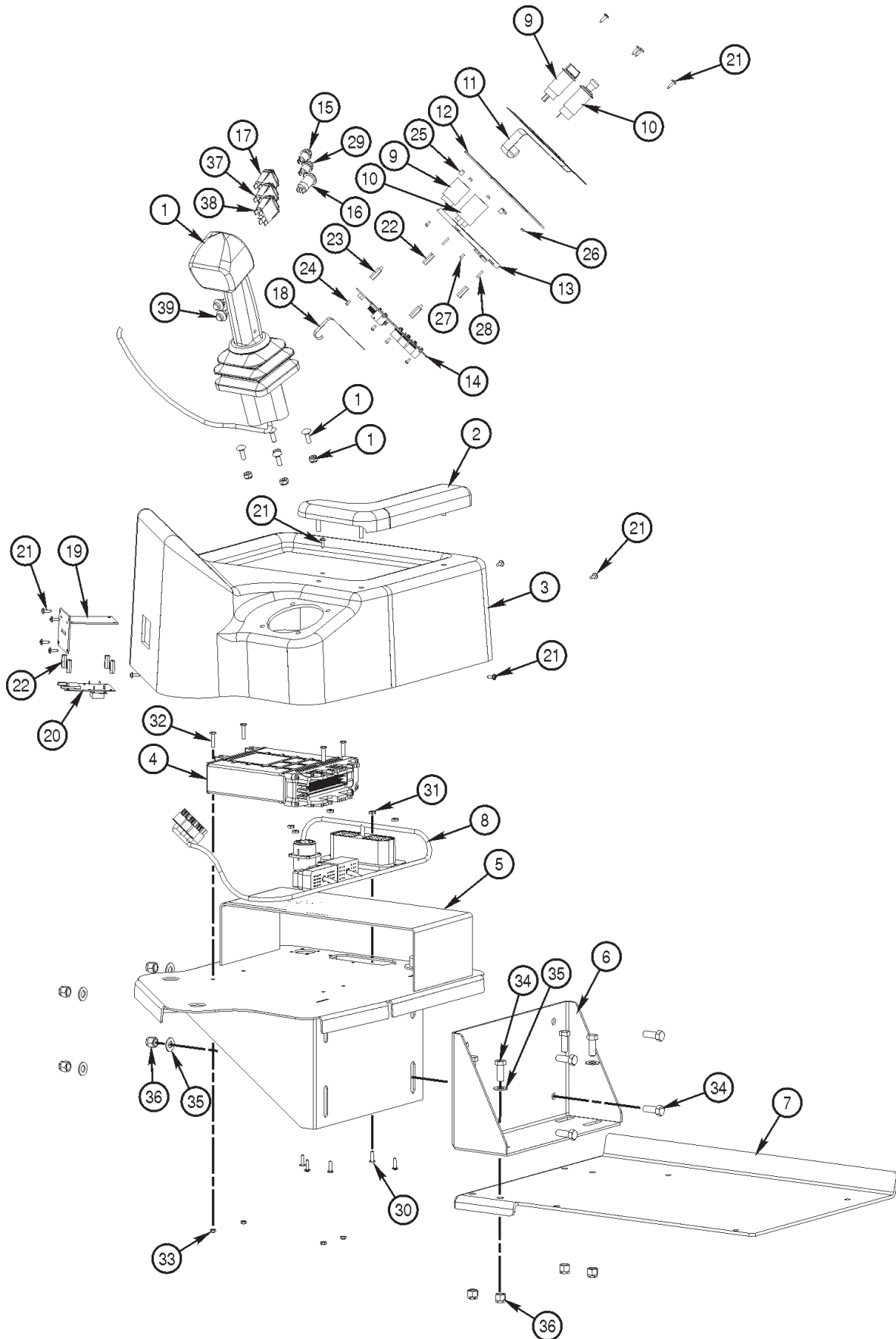
### All Models



| Item | Part Number | Qty | Description                                 | Comments |
|------|-------------|-----|---------------------------------------------|----------|
| 1    | 400000728   | 1   | Glass, Cab Door                             |          |
| 2    | 400200179   | 1   | Seal, Door                                  |          |
| 3    | 400200193   | 1   | Weldment, Latch Cover                       |          |
| 4    | 400000879   | 1   | Latch, Cam R/H                              |          |
| 5    | 400200184   | 1   | Plate, R/H Door Latch                       |          |
| 6    | 400200177   | 1   | Gasket, Door Latch                          |          |
| 7    | 400200178   | 2   | Gasket, Door Hinge                          |          |
| 8    | 400200180   | 2   | Weldment, Door Hinge                        |          |
| 9    | 400200181   | 2   | Pin, Door Hinge                             |          |
| 10   | 400000448   | 2   | Bushing, M6 Cab                             |          |
| 11   | 400000365   | 2   | Seal, Rubber, under eyebolt                 |          |
| 12   | 400200192   | 1   | Plate, Hole Plug, R/H Door                  |          |
| 13   | 400000433   | 2   | Bushing, Nylon White, Door                  |          |
| 14   | 400000880   | 1   | Spring, Black Tension                       |          |
| 15   | 400200191   | 1   | Gasket, R/H Door Latch                      |          |
| 16   | 400000359   | 1   | Washer, Flat 0.438, 1.0, 0.070              |          |
| 17   | 400000868   | 1   | Striker, 0.44-14 x 0.75, WSH, 0.89 Shoulder |          |
| 18   | 400000357   | 1   | Washer, 3/4 Flat Cab                        |          |
| 19   | 400000826   | 5   | Washer, Flat 0.251, 0.565, 0.060            |          |
| 20   | 400000872   | 4   | Ring, Retaining, 0.375 Shaft                |          |
| 21   | 400000877   | 1   | Bolt, M6 x 1 x 20, BTN, HX,                 |          |
| 22   | 400200012   | 3   | Bolt, Cab 1/4-20 x 1" G8                    |          |
| 23   | 400000873   | 5   | Bolt, M8 x 1.25 x 30, BTN, HX               |          |
| 24   | 400000386   | 1   | Nut, 0.44-14 Hex G8                         |          |
| 25   | 400000430   | 5   | Nut, M8 x 1.25 Hex Cab                      |          |
| 26   | 400000870   | 4   | Window Cap, M8, Assembly                    |          |
| 27   | 400000444   | 2   | Washer, Flat Brass                          |          |
| 28   | 400200021   | 1   | Rivnut, 1/4-20 0.305 Cab                    |          |

# Console

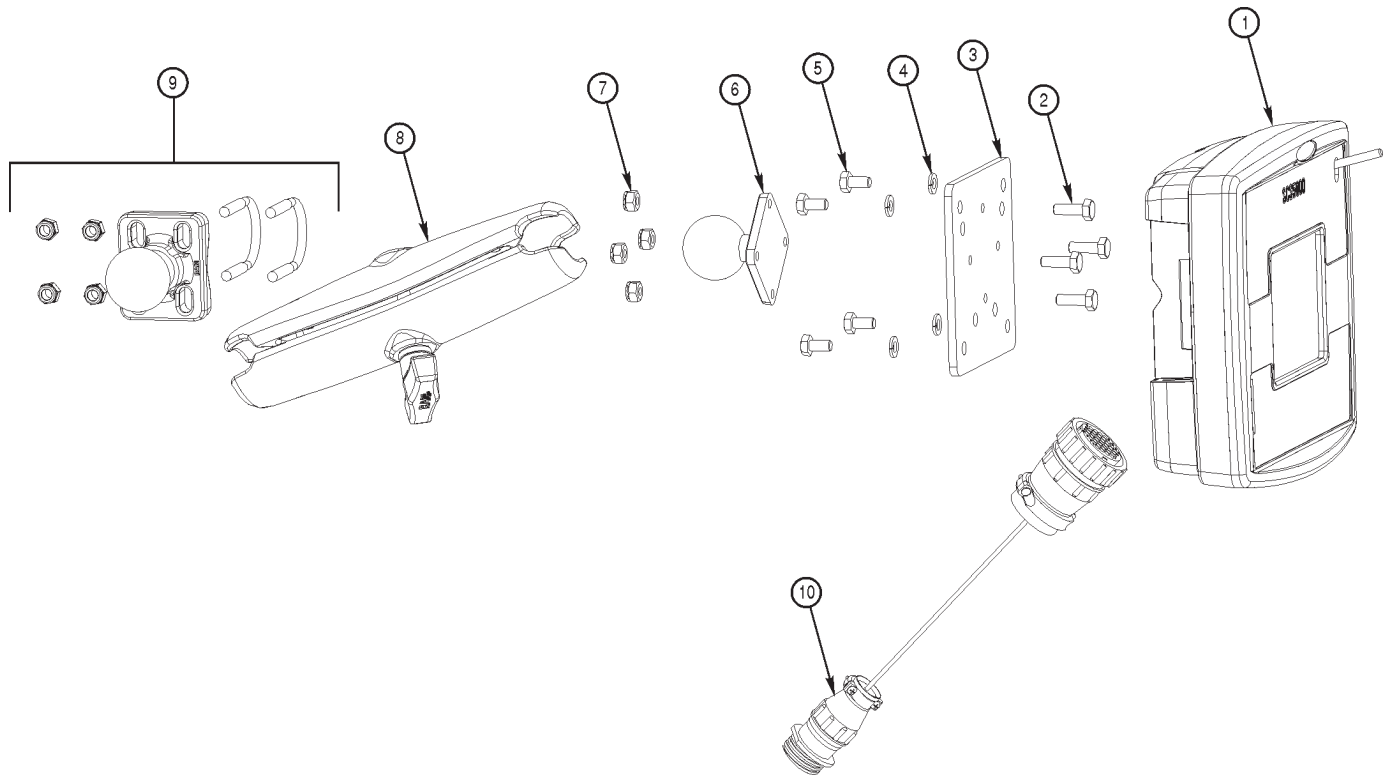
## All Models



| Item | Part Number | Qty | Description                           | Comments               |
|------|-------------|-----|---------------------------------------|------------------------|
| 1    | 420300613   | 1   | Handle, Control                       |                        |
| 2    | 420301023   | 1   | Arm Rest, Right Console               |                        |
| 3    | 420301035   | 1   | Console Housing, Plastic              |                        |
| 4A   | 310200010   | 1   | TCU, ZF AS1220                        |                        |
| 4B   | 310200000   | 1   | TCU, ZF AS1020                        |                        |
| 5    | 420300621   | 1   | Bracket, Console Pan                  |                        |
| 6    | 420300618   | 1   | Bracket, Seat Base to Console Pan     |                        |
| 7    | 420300631   | 1   | Bracket, Seat Console Mount           |                        |
| 8A   | 700000540   | 1   | Harness, PS764 Console                | AS720                  |
| 8B   | 700000541   | 1   | Harness, ZF Console                   | AS1020 and AS1220      |
| 9    | 700300065   | 1   | Accessory, Power Outlet with cap      | Cap Only P/N 700300068 |
| 10   | 700300064   | 1   | Plug, Cigarette Complete              |                        |
| 11   | 420301022   | 1   | Membrane, Console                     |                        |
| 12   | 420301024   | 1   | Plate, Console                        |                        |
| 13   | 700300088   | 1   | Display, LCD Screen                   |                        |
| 14   | 700300100   | 1   | Board, Console Circuit                |                        |
| 15   | 420300628   | 1   | Switch, Set For Cruise                |                        |
| 16   | 420300626   | 1   | Switch, Yellow Boom Master            |                        |
| 17   | 420300625   | 1   | Switch, Right Boom Tilt               |                        |
| 18   | 700300092   | 1   | Cable, Ribbon LCD                     |                        |
| 19   | 420301026   | 1   | Bracket, Inverter/SD Card             |                        |
| 20   | 700300095   | 1   | Inverter and SD Drive, Circuit board  |                        |
| 21   | 900100001   | 9   | Screw, #6 Self - tapping              |                        |
| 22   | 420301027   | 6   | Standoff, 4-40 Female/Female 3/4 long |                        |
| 23   | 420301028   | 2   | Standoff, 4-40 Male/Female 3/4 long   |                        |
| 24   | 400000341   | 4   | Screw, RHMS 4-40 x 0.25               |                        |
| 25   | 420301030   | 2   | Insert, 4-40 Press in 1/4"            |                        |
| 26   | 420301029   | 4   | Insert, 4-40 Press in 1/8"            |                        |
| 27   | 400000341   | 2   | Screw, RHMS 4-40 x 0.25               |                        |
| 28   | 420301031   | 2   | Stud, 4-40 x 1/2" long steel          |                        |
| 29   | 420300629   | 1   | Switch, Resume                        |                        |
| 30   | 903005283   | 5   | Screw, PH Panhead #6 x 1/2"           |                        |
| 31   | 903005282   | 5   | Nut, Hex 6/32"                        |                        |
| 32   | 900002512   | 4   | Capscrew, Buttonhead 10-32 x 3/4      |                        |
| 33   | 901002900   | 4   | Nut, Nylock 10-32                     |                        |
| 34   | 900002815   | 8   | Bolt, HHCS 3/8-16 x 1 G5 ZP           |                        |
| 35   | 902003045   | 8   | Washer, Flat 3/8 ZP                   |                        |
| 36   | 901003020   | 8   | Nut, Nylock 3/8-16                    |                        |
| 37   | 420300624   | 1   | Switch, Left Boom Tilt                |                        |
| 38   | 420300623   | 1   | Switch, Boom Rack Up and Down         |                        |
| 39   | 420300627   | 2   | Switch, Forward and Reverse           |                        |
|      |             |     |                                       |                        |
|      | 420301034   | 2   | Standoff, 4-40 Female/Female 1/4      | Not shown              |

# Raven Console Mounting

## All Equipped Models

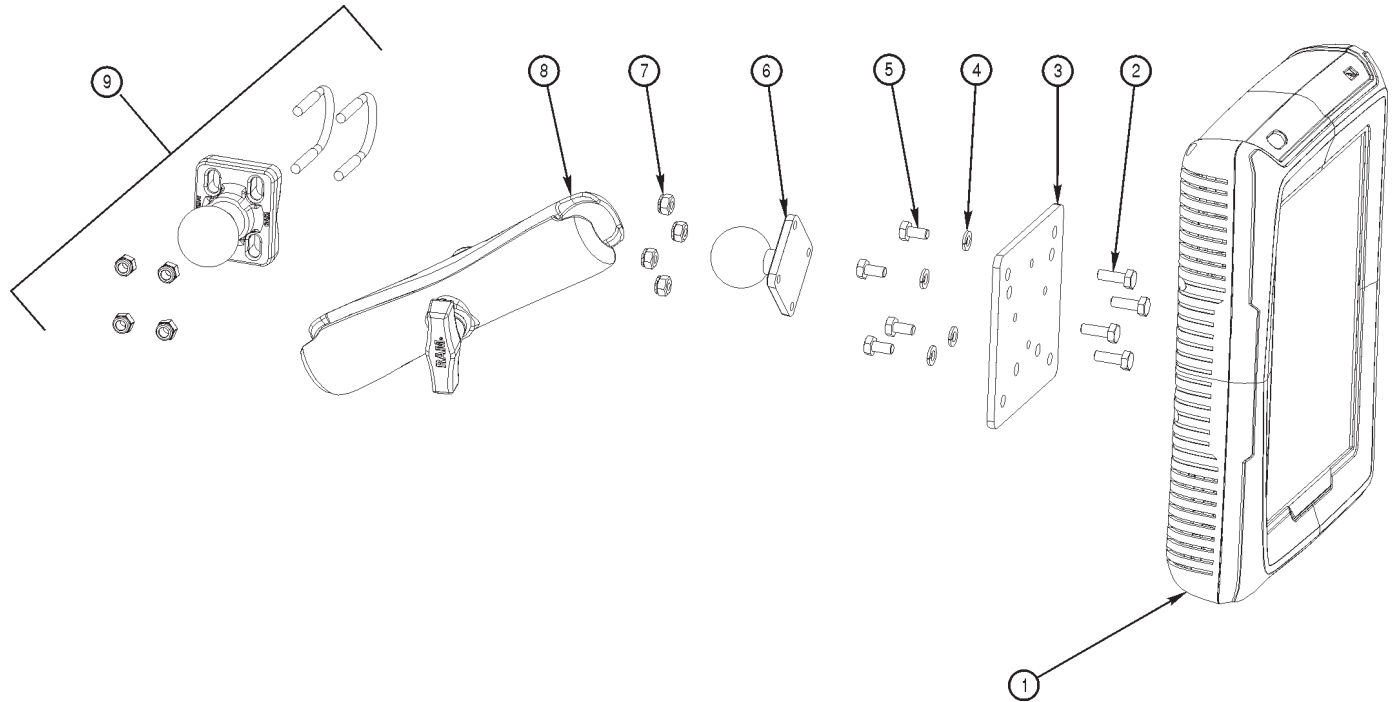


| Item | Part Number | Qty | Description                                | Comments |
|------|-------------|-----|--------------------------------------------|----------|
| 1    | 611000190   | 1   | Console, Raven SCS 5000                    |          |
| 2    | 900002395   | 4   | Bolt, HHCS 1/4-20 x 3/4 G5 ZP              |          |
| 3    | 450000002   | 1   | Mount Plate, Console                       |          |
| 4    | NSS         |     | Included with # 1                          |          |
| 5    | NSS         |     | Included with # 1                          |          |
| 6    | 440000006   | 1   | Ram mount Base, 2 x 2                      |          |
| 7    | 901003000   | 4   | Nut, Nylock 1/4-20                         |          |
| 8    | 440000005   | 1   | Ram mount , Double socket                  |          |
| 9    | 440000002   | 1   | Ram mount, Size C 1 1/2" ball              |          |
| 10   | 700000566   | 1   | Harness, 5000 Console Adapter 2012         |          |
|      | K65000223   |     | Kit, 5000 Console 2012                     |          |
|      | K65000226   |     | Kit, Console Ready                         |          |
|      | K65000231   |     | Kit, Powerglide Plus AutoBoom              |          |
|      | K65000232   |     | Kit, Ultraglide AutoBoom                   |          |
|      | K65000233   |     | Kit, Ultraglide w/wheels AutoBoom          |          |
|      | K65000236   |     | Kit, Ultraglide w/5 eyes AutoBoom          |          |
|      | K65000237   |     | Kit, Powerglide Plus w/center eye AutoBoom |          |



# Viper Console Mounting

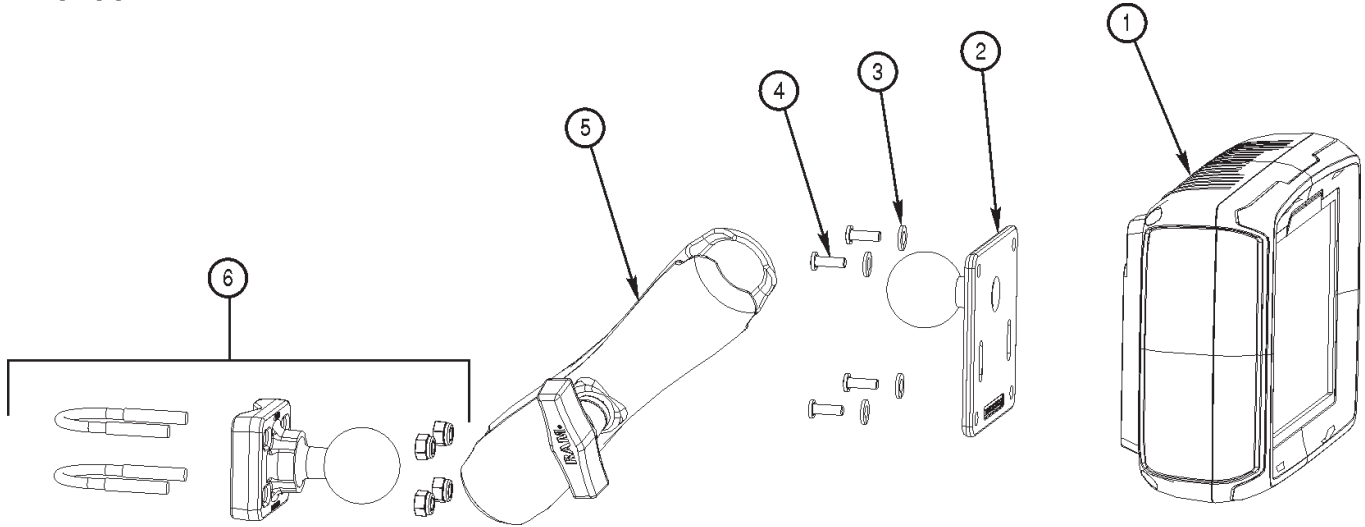
## All Equipped Models



| Item | Part Number | Qty | Description                                | Comments   |
|------|-------------|-----|--------------------------------------------|------------|
| 1    | 611000009   | 1   | Console, Viper                             | ET Labeled |
| 2    | 900002395   | 4   | Bolt, HHCS 1/4-20 x 3/4 G5 ZP              |            |
| 3    | 450000002   | 1   | Mount Plate, Viper                         |            |
| 4    | 902201085   | 4   | Washer, lock 1/4 ZP                        |            |
| 5    | 900002396   | 4   | Bolt, HHCS 1/4-20 x 1/2 G5 ZP              |            |
| 6    | 440000006   | 1   | Ram Mount, Base 2 x 2                      |            |
| 7    | 901003000   | 4   | Nut, Nylock 1/4-20                         |            |
| 8    | 440000005   | 1   | Ram Mount, Double Mount                    |            |
| 9    | 440000002   | 1   | Ram Mount , Base Size C                    |            |
|      | K65000225   |     | Kit, Viper Pro Console                     |            |
|      | K65000226   |     | Kit, Console Ready                         |            |
|      | K65000231   |     | Kit, Powerglide Plus AutoBoom              |            |
|      | K65000232   |     | Kit, Ultraglide AutoBoom                   |            |
|      | K65000233   |     | Kit, Ultraglide w/wheels AutoBoom          |            |
|      | K65000236   |     | Kit, Ultraglide w/5 eyes AutoBoom          |            |
|      | K65000237   |     | Kit, Powerglide Plus w/center eye AutoBoom |            |

## E Pro Console Mounting

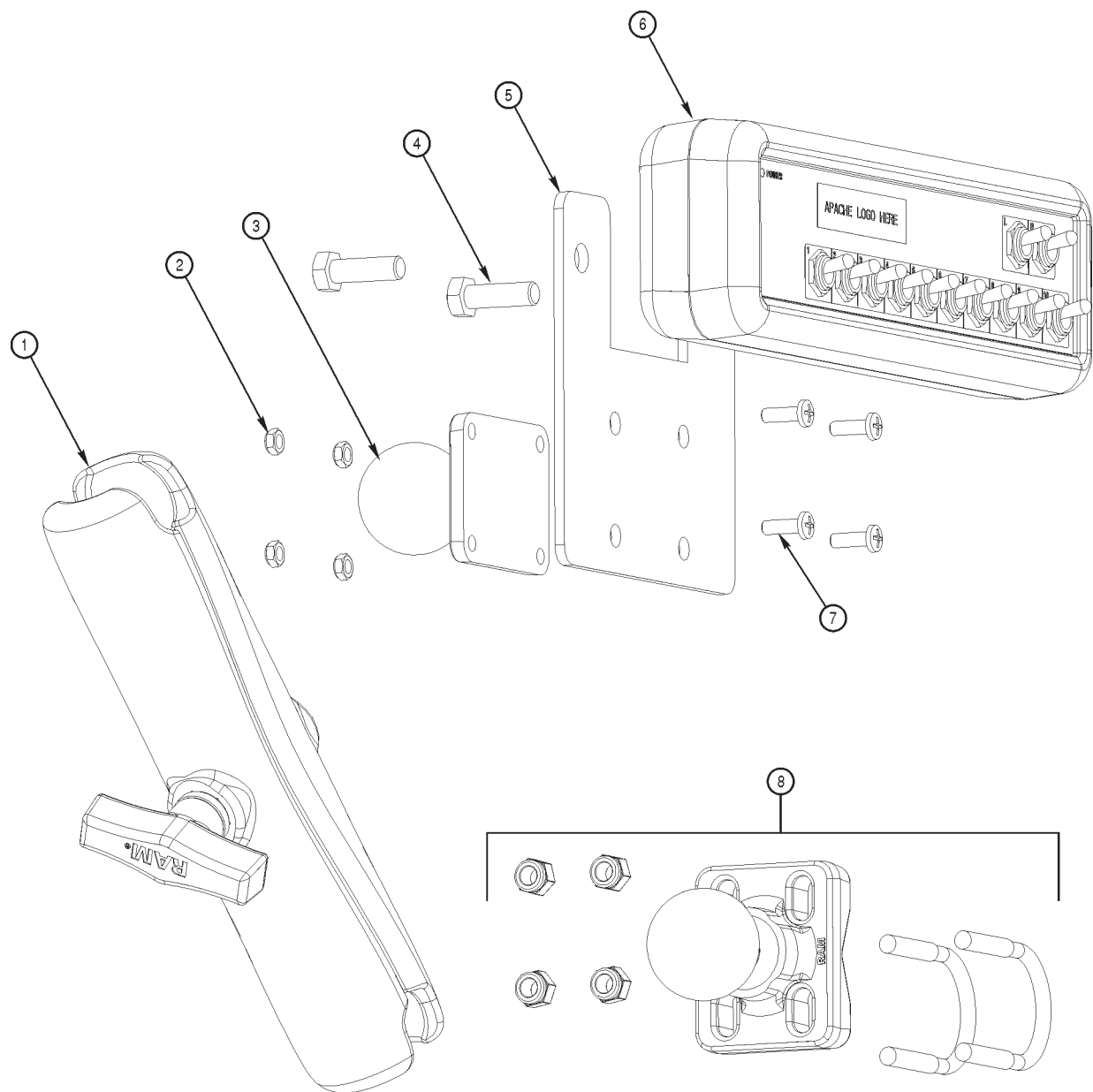
### All Equipped Models



| Item | Part Number | Qty | Description                                | Comments   |
|------|-------------|-----|--------------------------------------------|------------|
| 1    | 611000010   | 1   | Console, Envizio Pro II, ET Labeled        | ET Labeled |
| 2    | 440000003   | 1   | Ram Mount, Base 3 5/8" SQ.                 |            |
| 3    | 901000243   | 4   | Washer, Lock 10-32                         |            |
| 4    | 900002511   | 4   | Capscrew, Button Head 10-32 x 1/2"         |            |
| 5    | 440000005   | 1   | Ram Mount, Double Socket                   |            |
| 6    | 440000002   | 1   | Ram Mount, Base Size C                     |            |
|      | K65000224   |     | Kit, Envizio Pro II Console                |            |
|      | K65000226   |     | Kit, Console Ready                         |            |
|      | K65000231   |     | Kit, Powerglide Plus AutoBoom              |            |
|      | K65000232   |     | Kit, Ultraglide AutoBoom                   |            |
|      | K65000233   |     | Kit, Ultraglide w/wheels AutoBoom          |            |
|      | K65000236   |     | Kit, Ultraglide w/5 eyes AutoBoom          |            |
|      | K65000237   |     | Kit, Powerglide Plus w/center eye AutoBoom |            |

# Switches Console Mounting

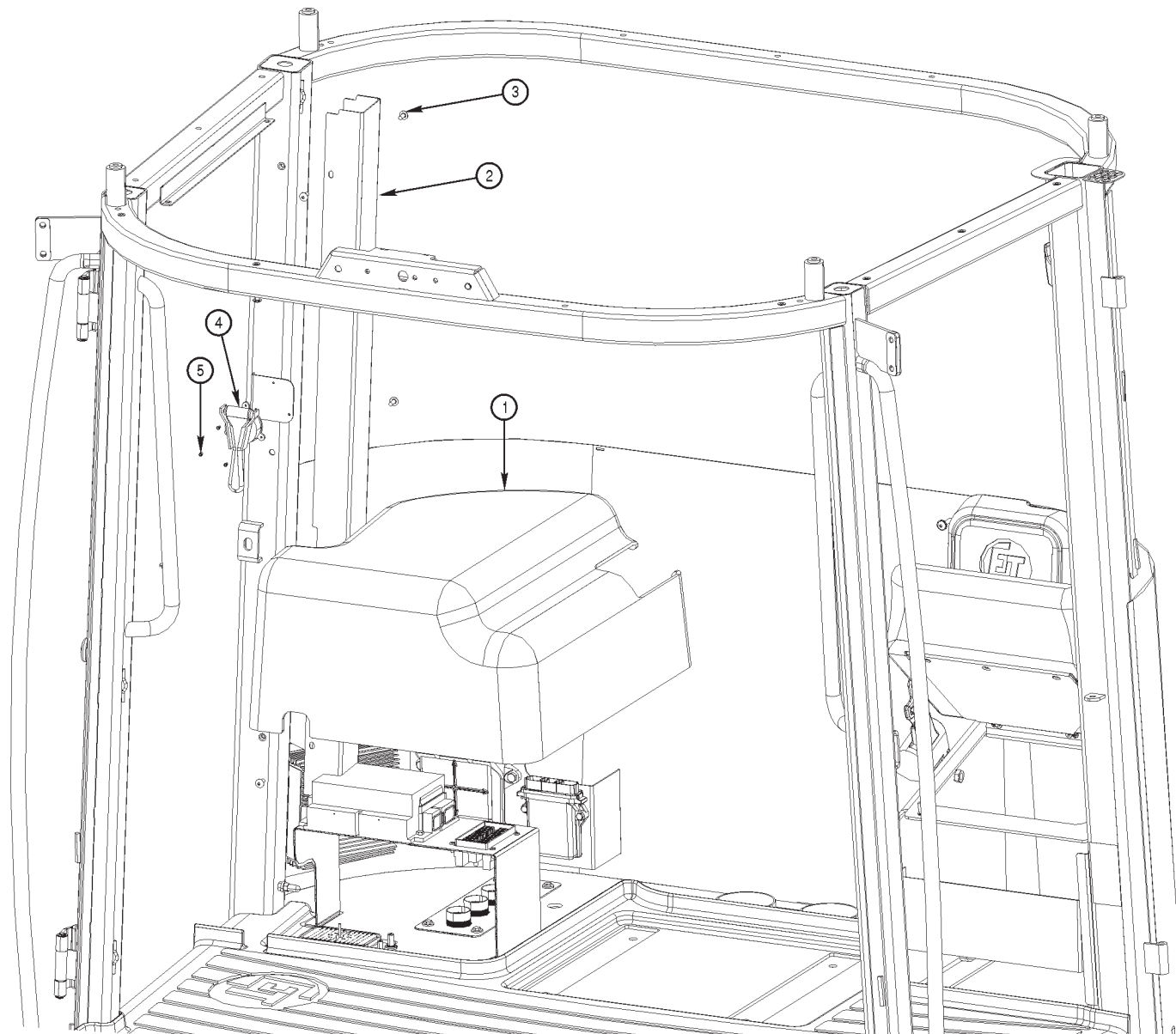
## All Models



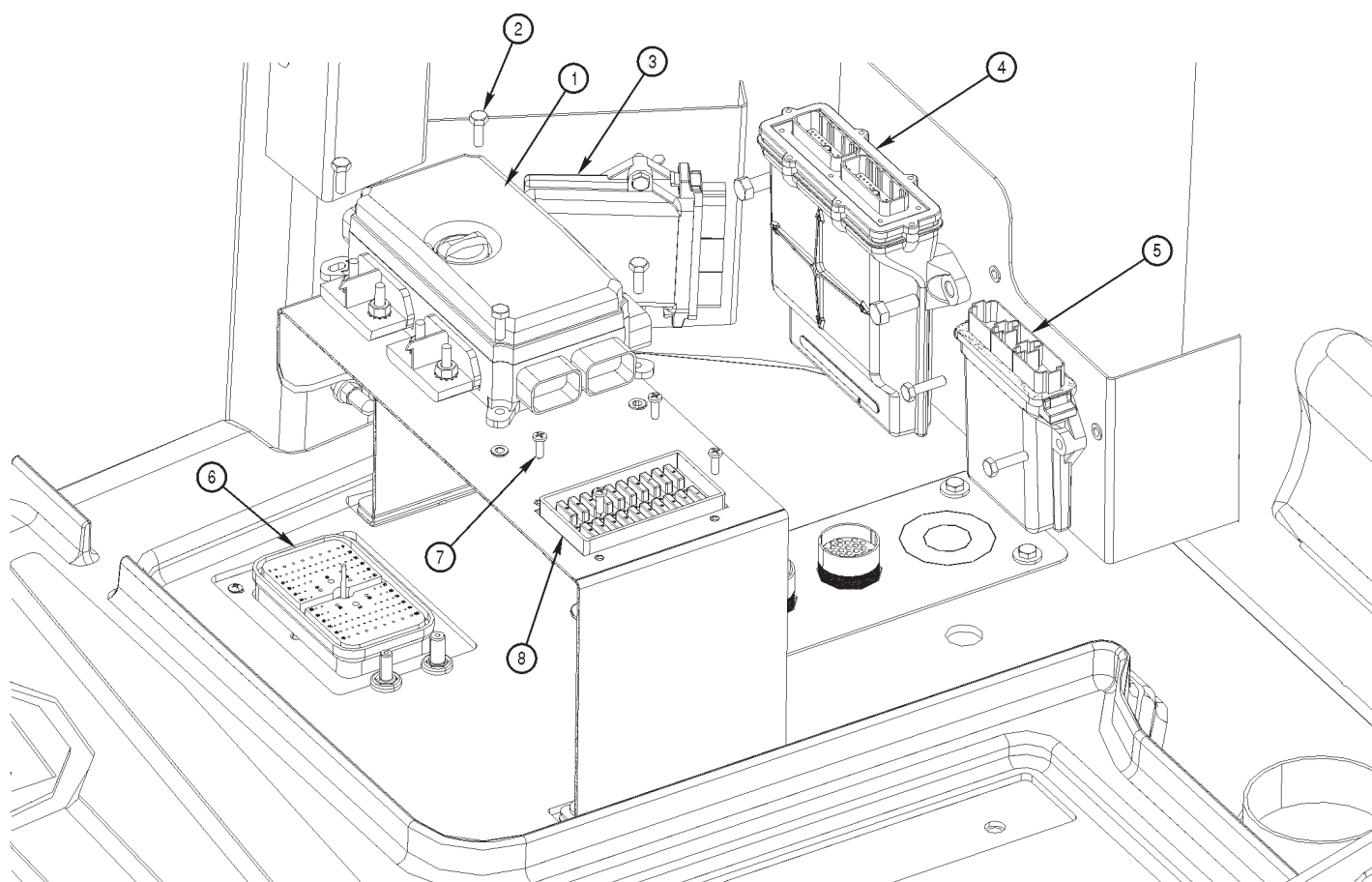
| Item | Part Number | Qty | Description                      | Comments |
|------|-------------|-----|----------------------------------|----------|
| 1    | 440000005   | 1   | Ram Mount, Double                |          |
| 2    | 901002900   | 4   | Nut, Nylock 10/32                |          |
| 3    | 440000007   | 1   | Ram Mount, Base 2 x 2.5          |          |
| 4    | 901100724   | 2   | Bolt, M6 x 1.0 x 10              |          |
| 5    | 450000003   | 1   | Mount Plate, Boom Switchbox      |          |
| 6    | 420301070   | 1   | Switchbox, 10 Section            |          |
| 7    | 900002511   | 4   | Capscrew, Buttonhead 10/32 x 1/2 | "        |
| 8    | 440000002   | 1   | Ram Mount, Base Size C           |          |

# Electrical

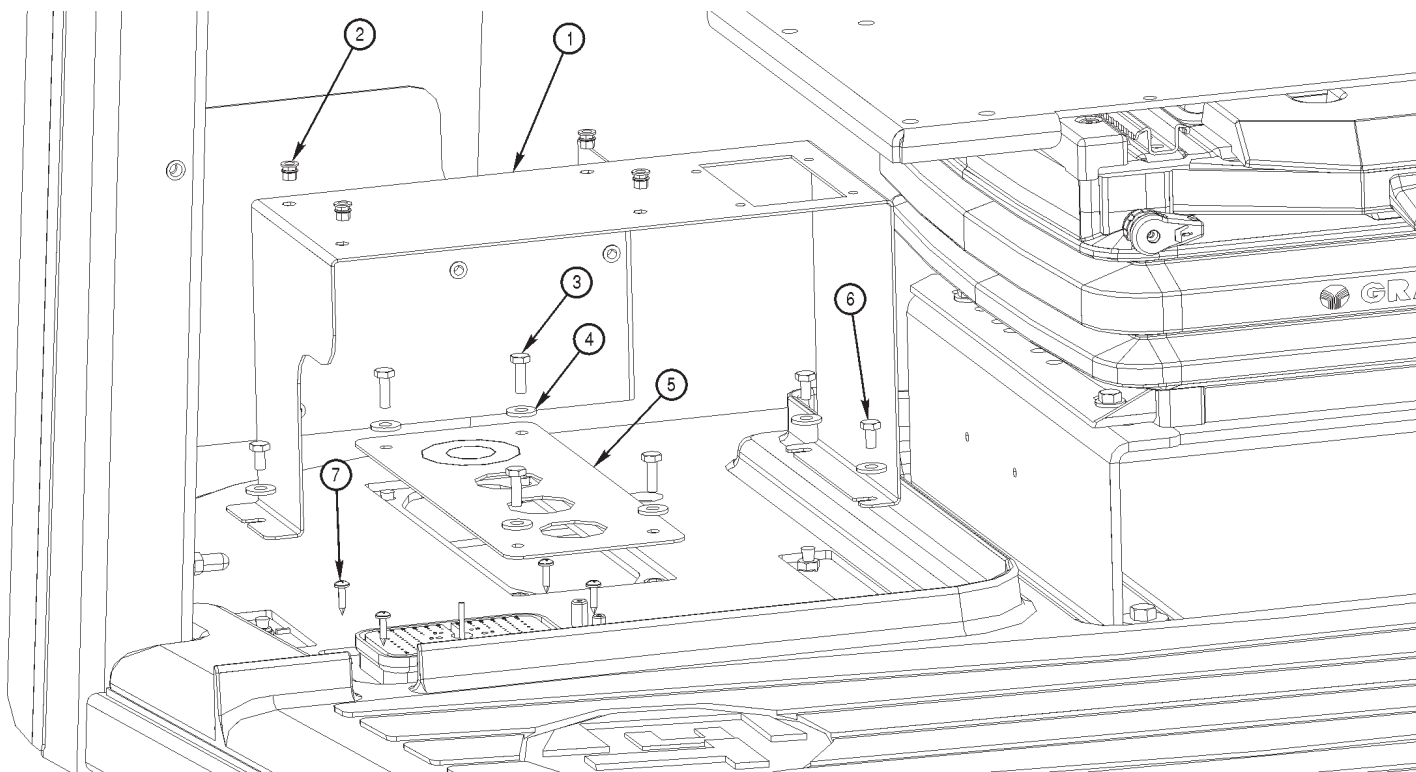
## All Models



| Item | Part Number | Qty | Description                    | Comments  |
|------|-------------|-----|--------------------------------|-----------|
| 1    | 400200094   | 1   | Cover, Electrical Cab          |           |
| 2    | 400200173   | 1   | Cover, Harness                 |           |
| 3    | 400000347   | 4   | Bolt, 1/4-20 x 0.62 Cab        |           |
| 4    | 400000612   | 1   | Emergency Exit Hammer w/ cable |           |
| 5    | 400000333   | 3   | Rivet, Window Seal             |           |
|      | 420306047   | 1   | Decal Electrical Cover         | Not shown |



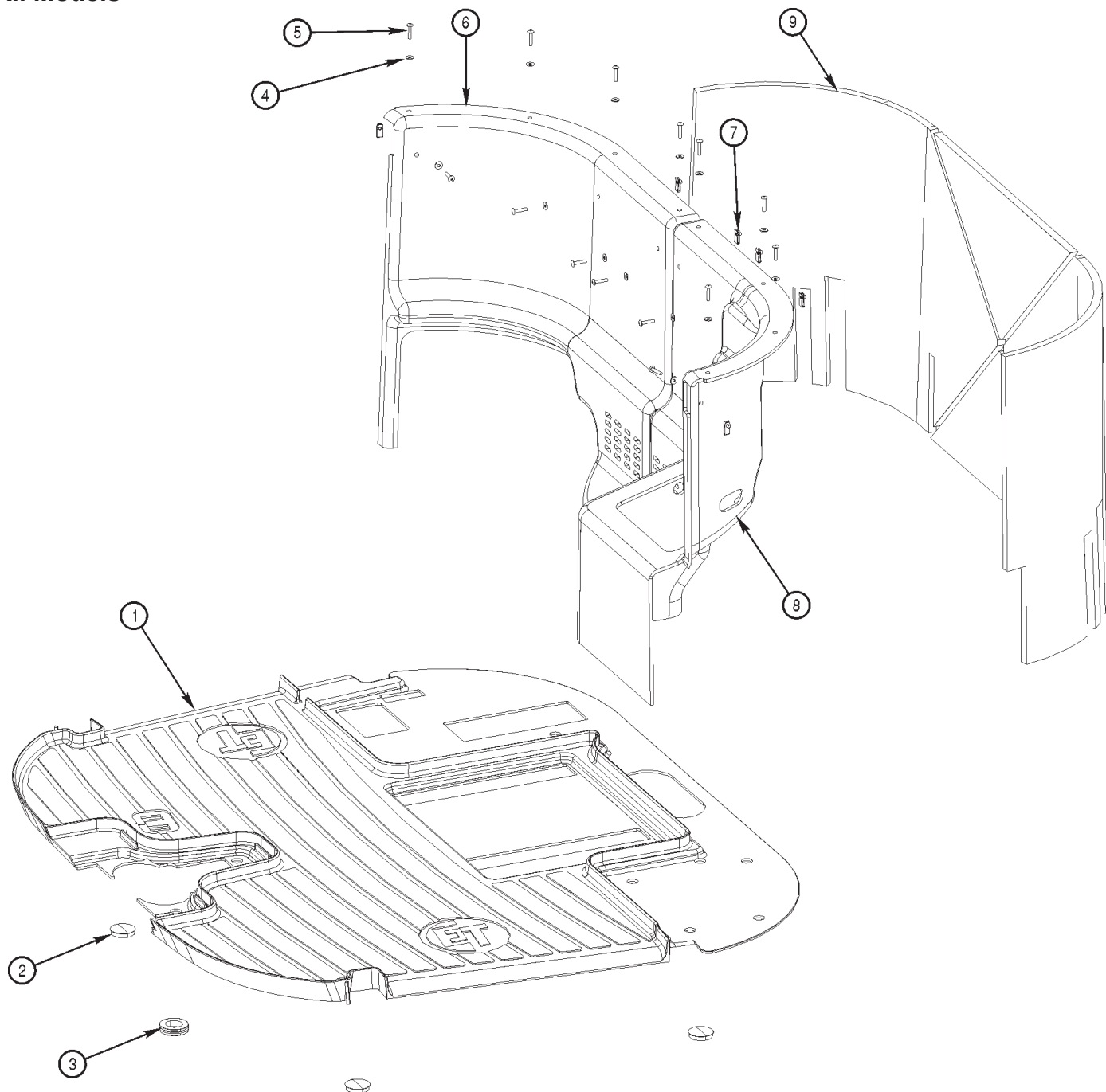
| Item | Part Number | Qty | Description                        | Comments                  |
|------|-------------|-----|------------------------------------|---------------------------|
| 1    | 700100300   | 1   | Fuse Block, Dvec Bussman           |                           |
| 2    | 900002405   | 10  | Bolt, HHCS 1/4-20 X 1 G5 ZP        |                           |
| 3    | 750000010   | 1   | 12V/24V Voltage Doubler            |                           |
| 4    | 611000006   | 1   | Node, Can SmarTrax                 | ET Labeled                |
| 5    | 611000003   | 1   | Node, Can Boom Sense/Speed         | ET Labeled                |
| 6    | 700000563   | 1   | Harness, Main                      | 700000564 - Harness , Cab |
| 7    | 900002511   | 4   | Capscrew, Button Head 10-32 x 1/2" |                           |
| 8    | 700100301   | 1   | Fuse Block, RT Bussman             |                           |



| Item | Part Number | Qty | Description                          | Comments |
|------|-------------|-----|--------------------------------------|----------|
| 1    | 400200152   | 1   | Bracket, Fuse Block Mounting         |          |
| 2    | 400200021   | 4   | Rivnut, 1/4-20 0.305 Cab             |          |
| 3    | 400000373   | 4   | Bolt, 1/4-20 x 3/4" Hex G8           |          |
| 4    | 400000357   | 8   | Washer, Flat 3/4 Cab                 |          |
| 5    | 400200151   | 1   | Plate, Harness Connectors            |          |
| 6    | 400000827   | 4   | Bolt, 1/4-20 x 0.50, Hex., G8        |          |
| 7    | 915001308   | 4   | Screw, #10 x 1" Pan Head Sheet metal |          |
|      |             |     |                                      |          |
|      |             |     |                                      |          |
|      |             |     |                                      |          |

# Floor Mat

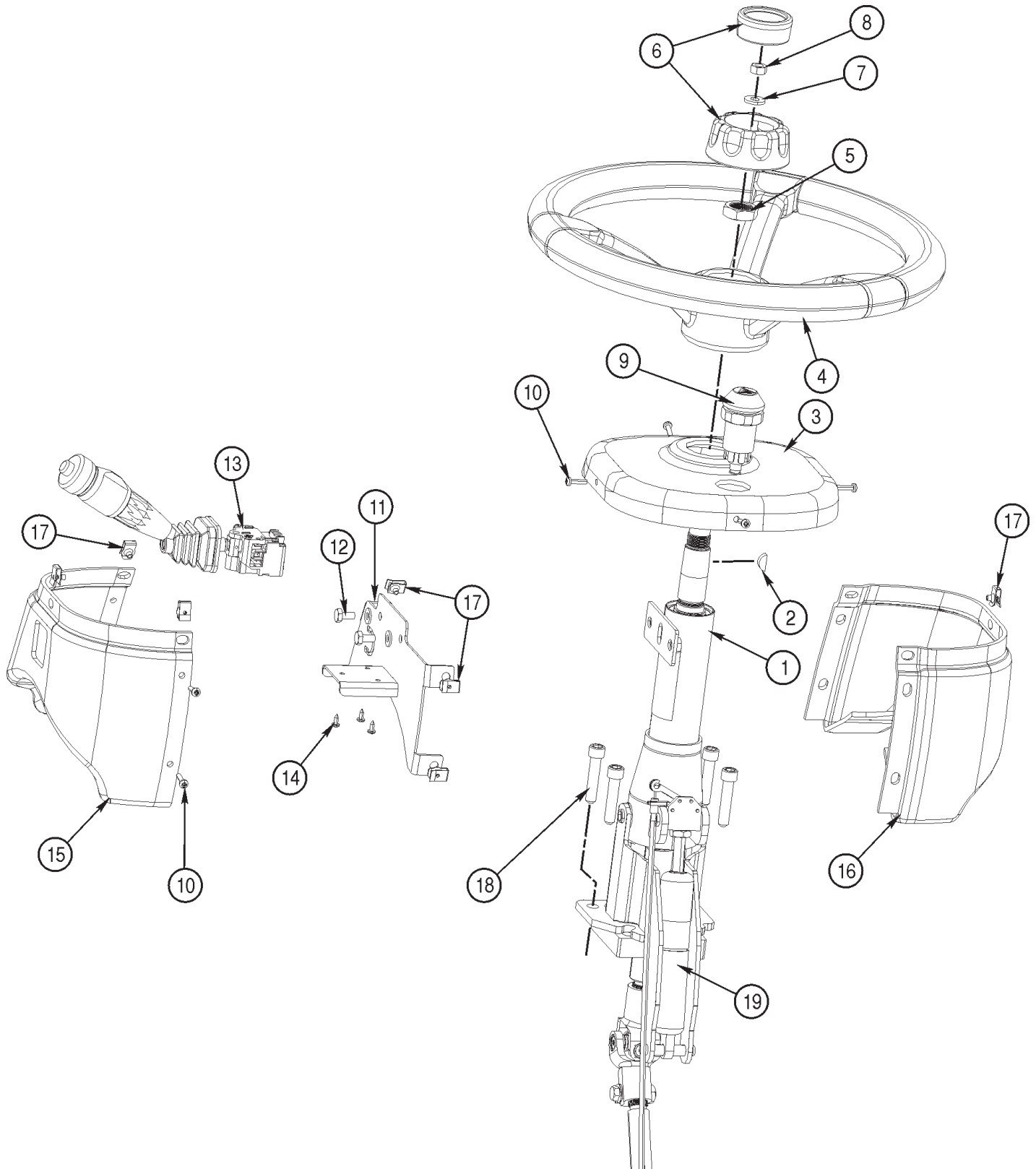
## All Models



| Item | Part Number | Qty | Description                          | Comments |
|------|-------------|-----|--------------------------------------|----------|
| 1    | 400200168   | 1   | Mat, Floor                           |          |
| 2    | 400000338   | 3   | Plug, Round Floor Cab                |          |
| 3    | 400000862   | 1   | Grommet, 1.50, 2.00, 2.50, .187, SBR |          |
| 4    | 400000346   | 26  | Washer, Flat 0.260, .680, .062 Black |          |
| 5    | 400000856   | 14  | Bolt, 1/4-20 x 1.25 TRS              |          |
| 6    | 400200170   | 1   | Panel, Rear R/H                      |          |
| 7    | 400200069   | 6   | Nut, 1/4-20 Tin , Cab                |          |
| 8    | 400200169   | 1   | Panel, Rear L/H                      |          |
| 9    | 400200214   | 1   | Assy, Sound Abatement                |          |

# Upper Steering Column

All Models

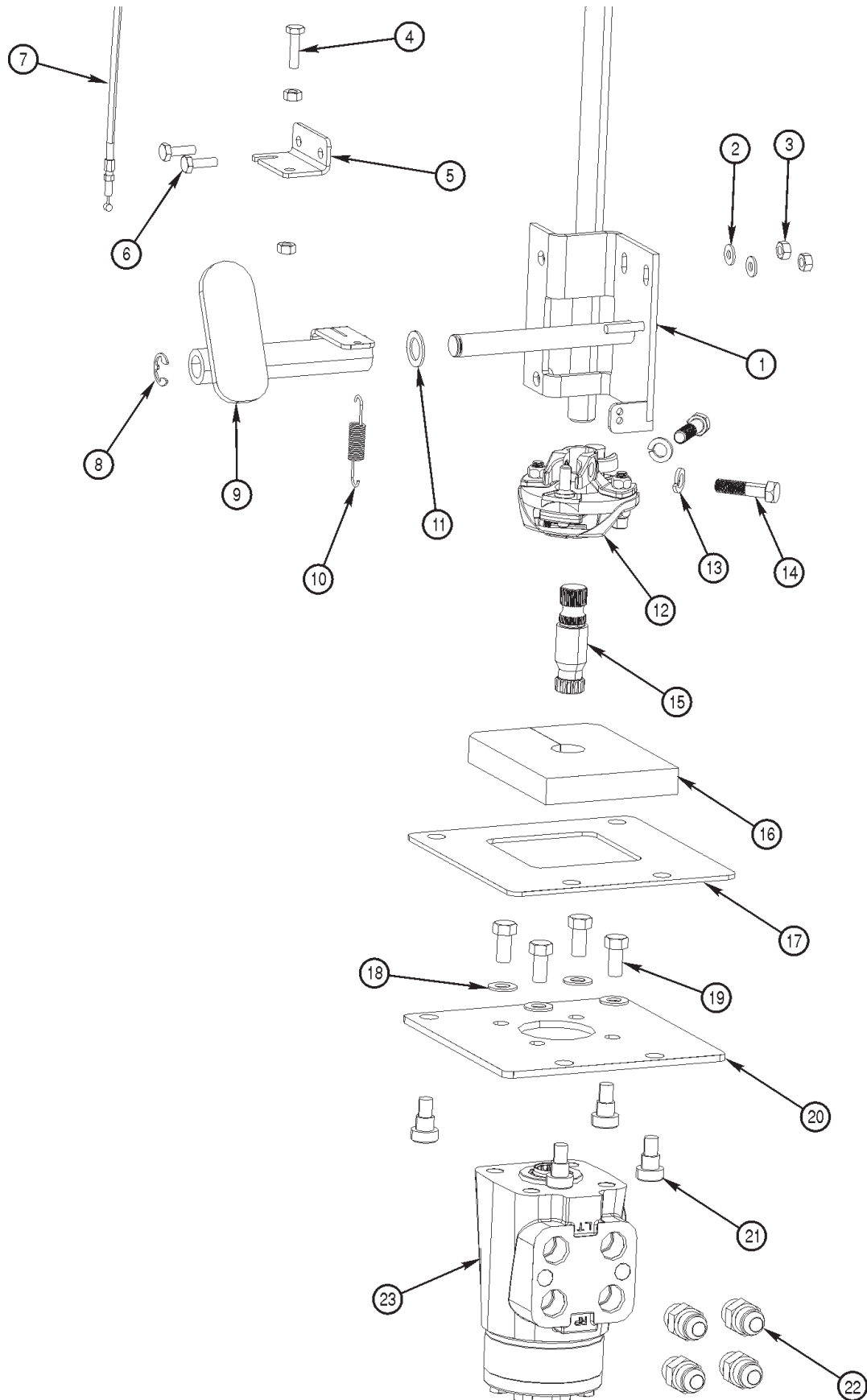




| Item | Part Number | Qty | Description                        | Comments          |
|------|-------------|-----|------------------------------------|-------------------|
| 1    | 400200149   | 1   | Column, Tilt/Telescope             |                   |
| 2    | 400200141   | 1   | Woodruff Key, 5 x 16               |                   |
| 3    | 400200146   | 1   | Cover, Steering Column Top         |                   |
| 4    | 400200089   | 1   | Steering Wheel, Padded 380 mm      |                   |
| 5    | 460000001   | 1   | Nut, Steering Wheel 13/16          |                   |
| 6    | 400000829   | 1   | Cap, Steering Wheel, Telescope     |                   |
| 7    | 400000357   | 1   | Washer, 3/4 Flat Cab               |                   |
| 8    | 400000430   | 1   | Nut, M8 x 1.25 Hex Cab             |                   |
| 9    | 400200091   | 1   | Switch, Hazard                     |                   |
| 10   | 400000821   | 8   | Bolt, M4 x 0.7 x 16, Pan, PH       |                   |
| 11   | 400200147   | 1   | Weldment, Column Plastic Mount     |                   |
| 12   | 400000827   | 2   | Bolt, 0.25-20 x 0.50, Hex, G8      |                   |
| 13   | 400000828   | 1   | Switch, Column, Turn Signal/Wiper  |                   |
| 14   | 400000825   | 3   | Screw, #6-18 x 3/8, RND, PH,       |                   |
| 15   | 400200144   | 1   | Cover, Steering Column L/H         |                   |
| 16   | 400200145   | 1   | Cover, Steering Column R/H         |                   |
| 17   | 400000323   | 8   | U-Clip, M4                         |                   |
| 18   | 400200142   | 4   | Bolt, 0.375-16 x 1.75, SKT, HX, G8 |                   |
| 19   | 460000007   | 1   | Gas Spring Assembly, Column        |                   |
|      |             |     |                                    |                   |
|      | 400000801   |     | Assembly, Steering Column          | Complete Assembly |
|      | 400000890   | 1   | Cable, Steering Column, Tilt       | Not shown         |
|      | 700000532   | 1   | Harness, Steering Column           | Not shown         |

# Lower Steering Column

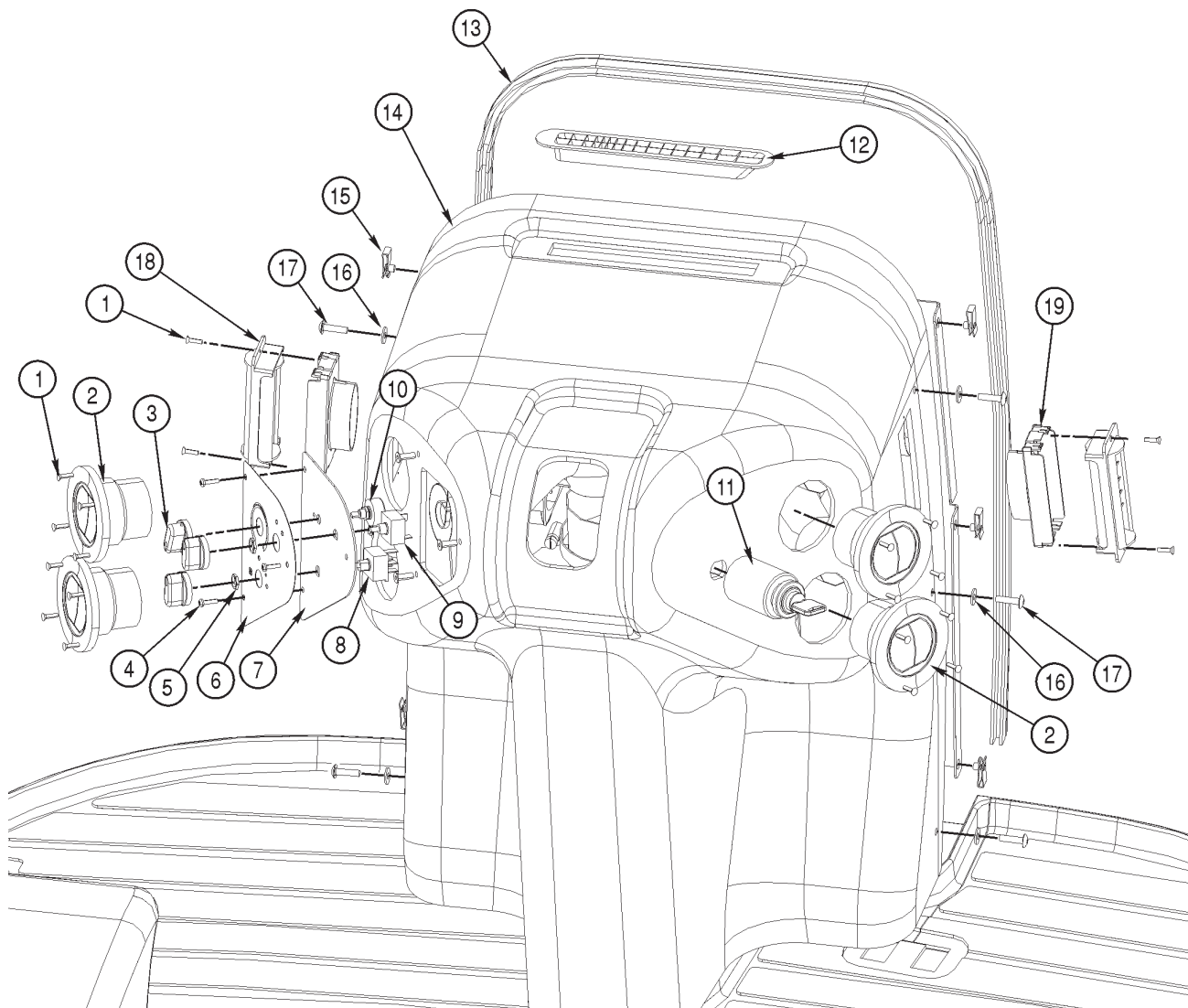
## All Models



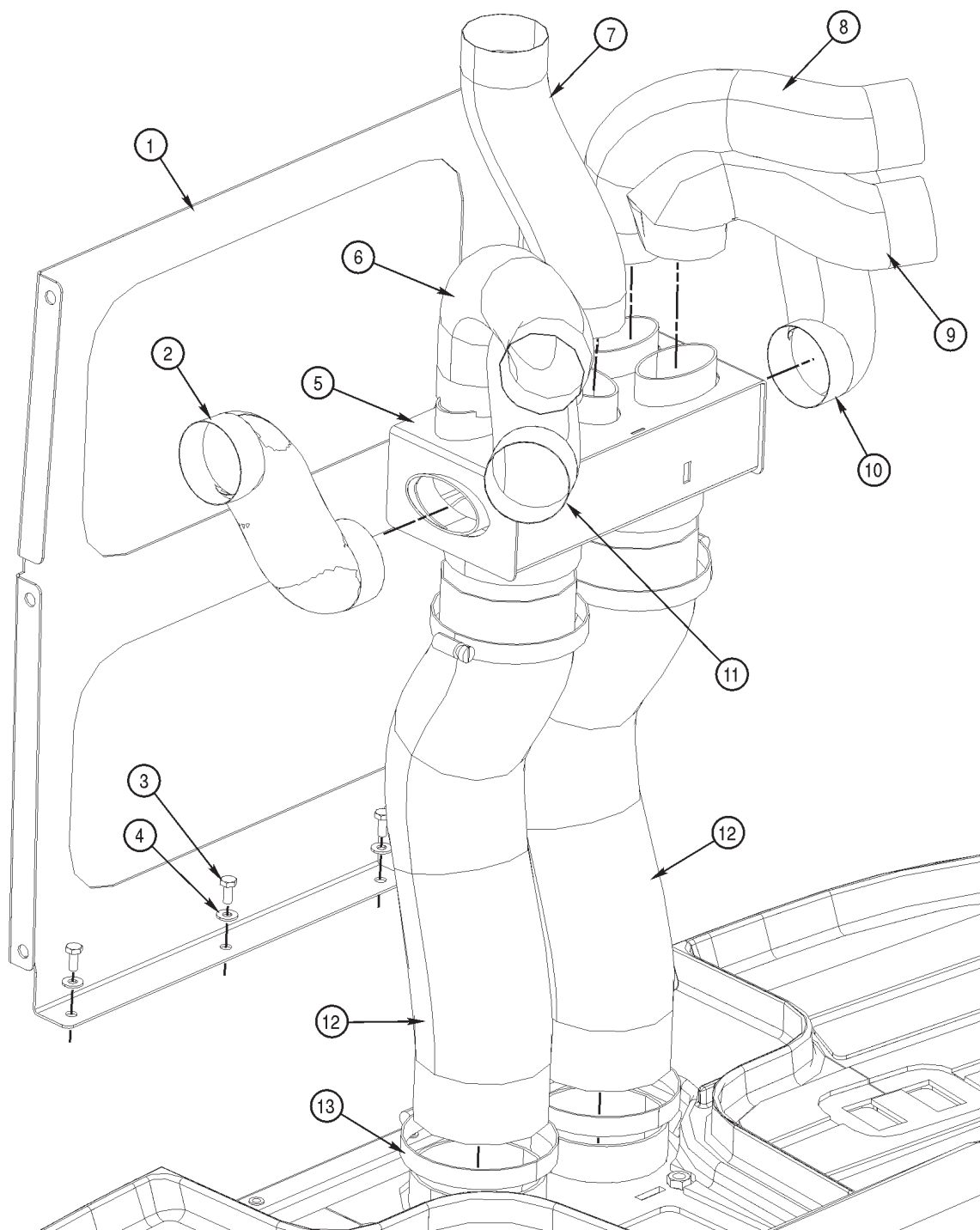
| Item | Part Number | Qty | Description                                | Comments |
|------|-------------|-----|--------------------------------------------|----------|
| 1    | 400200138   | 1   | Weldment, Tilt Pedal Pin                   |          |
| 2    | 400000826   | 6   | Washer,.251,.565,.060,FLT                  |          |
| 3    | 400000422   | 4   | Nut, 1/4-20 Hex G8                         |          |
| 4    | 400200012   | 1   | Bolt, Cab 1/4-20 x 1" G8                   |          |
| 5    | 400200140   | 1   | Angle, Tilt Cable Adjustment               |          |
| 6    | 400000373   | 4   | Bolt, 1/4-20 x 3/4" Hex G8                 |          |
| 7    | 400000890   | 1   | Cable, Steering Column tilt                |          |
| 8    | 400000397   | 1   | Circlip, Cab                               |          |
| 9    | 400200139   | 1   | Weldment, Tilt Pedal                       |          |
| 10   | 400000880   | 1   | Spring, Black Tension                      |          |
| 11   | 400200150   | 1   | Washer, 0.625, 1.00, 0.062, FLT, NY, White |          |
| 12   | 460000018   | 1   | Isolator Assembly, Column                  |          |
| 13   | 900002806   | 2   | Washer, Lock 3/8                           |          |
| 14   | 900005564   | 2   | Bolt, HHCS 3/8-24 X 1 1/2 G5 ZP            |          |
| 15   | 460000017   | 1   | Adapter Shaft, Column                      |          |
| 16   | 460000019   | 1   | Isolation Pad, Column                      |          |
| 17   | 400200148   | 1   | Gasket, Nylon                              |          |
| 18   | 400000418   | 4   | Washer,.402,.798,.063 BEV                  |          |
| 19   | 400000691   | 4   | Bolt, Hex 3/8-16 x 3/4 G8                  |          |
| 20   | 400200143   | 1   | Plate, Steering Pump                       |          |
| 21   | 400000831   | 4   | Bolt,.375-16 X 0.50, SHL, HX-0.25, G5,     |          |
| 22   | 800302445   | 4   | Fitting, 8 FLM X 8 ORM ST                  |          |
| 23A  | A00000042   | 1   | Steering Pump, with fittings               |          |
| 23B  | 860000005   | 1   | Steering Pump, w/o fittings                |          |

# Dash

## All Models

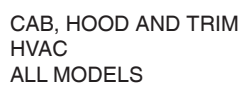


| Item | Part Number | Qty | Description                            | Comments                                |
|------|-------------|-----|----------------------------------------|-----------------------------------------|
| 1    | 400000818   | 20  | Screw, M4 x 0.7 x 16 FLT, TR, BZ CNH-A |                                         |
| 2    | 400000813   | 4   | Louver, 4" Round                       |                                         |
| 3    | 400200101   | 3   | Knob, Pointer HVAC Panel               |                                         |
| 4    | 400000821   | 3   | Bolt, M4 x 0.7 x 16, Pan               |                                         |
| 5    | 400200103   | 3   | Nut, Control Panel Switch HVAC         |                                         |
| 6    | 400200100   | 1   | Decal, Controls Fan/AC/Heat HVAC Panel |                                         |
| 7    | 400200104   | 1   | Bracket, Control Panel HVAC            |                                         |
| 8    | 400000531   | 1   | Switch, 3 - Speed                      |                                         |
| 9    | 400200102   | 1   | Switch, Rotary, 2 post HVAC Panel      |                                         |
| 10   | 400200099   | 1   | Switch, Potentiometer HVAC Panel       |                                         |
| 11   | 400200087   | 1   | Keyswitch, Steering Column             |                                         |
| 12   | 400000603   | 1   | Louver, 1.06" x 8.57" Fixed Vain       |                                         |
| 13   | 400200136   | 1   | Seal, Dash                             |                                         |
| 14   | 400200137   | 1   | Assembly, Dash                         |                                         |
| 15   | 400200069   | 6   | Nut, 1/4-20 Tin, Cab                   |                                         |
| 16   | 400000346   | 6   | Washer, Flat Cab                       |                                         |
| 17   | 400000362   | 6   | Bolt, 1/4-20 x 1" Cab                  |                                         |
| 18   | 400000815   | 2   | Louver, 49 mm x 121 mm                 |                                         |
| 19   | 400000817   | 2   | Hose Adapter, Rect Louver              |                                         |
|      | 400000811   |     | Control Panel Assembly                 | Includes Item 3 and Items 5 through 10. |

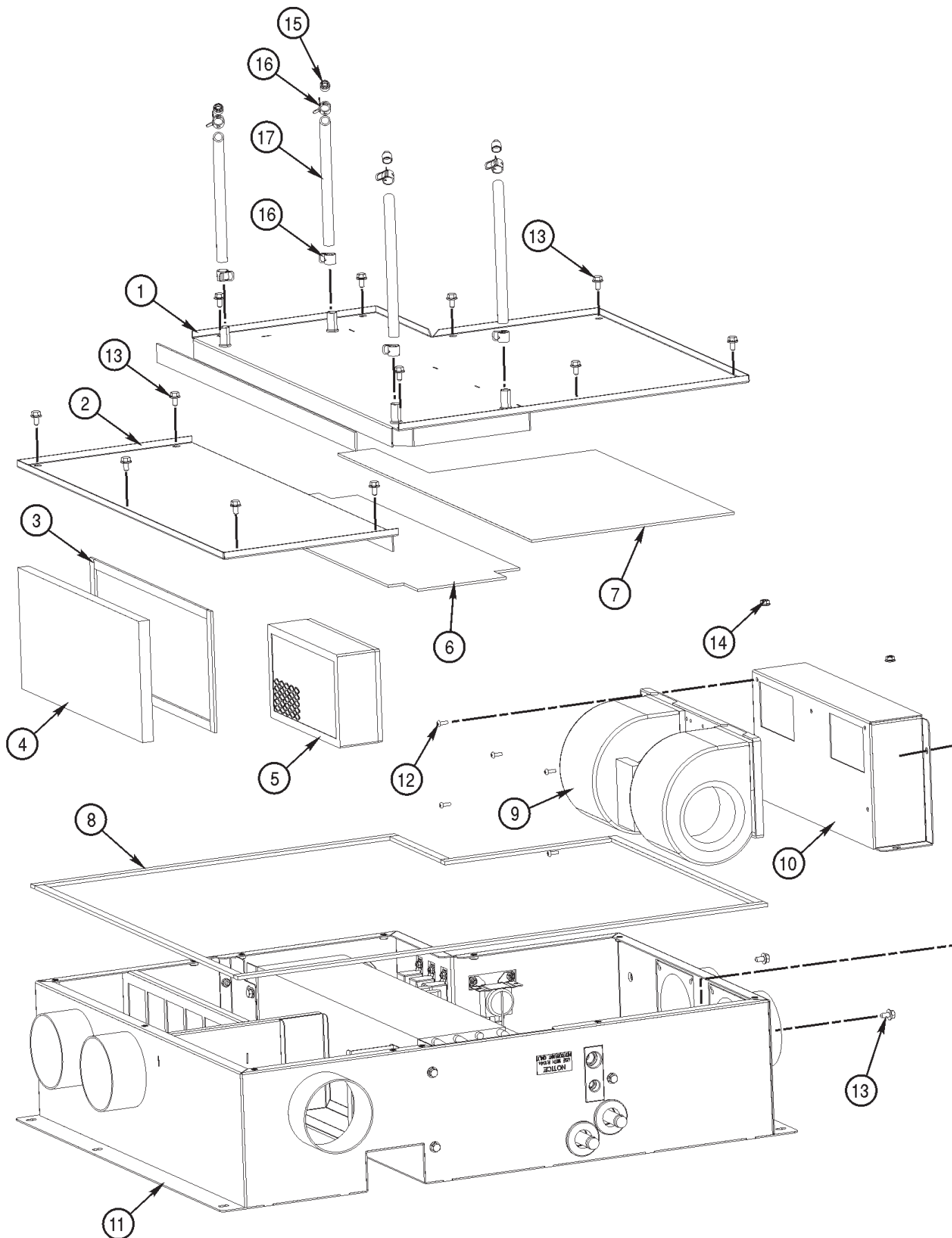


| Item | Part Number | Qty   | Description                        | Comments      |
|------|-------------|-------|------------------------------------|---------------|
| 1    | 400200135   | 1     | Plate, Dash Mounting               |               |
| 2    | 400000819   | 0.85' | Hose, Flex 2.5 ID                  | Sold per foot |
| 3    | 400000822   | 3     | Bolt, 1/4 -20 x 0.63, Hex,G8,      |               |
| 4    | 400000823   | 3     | Washer, Flat 0.281, 0.625, 0.062   |               |
| 5    | 400000814   | 1     | Adapter, 2 1/2" Hose, Oval         |               |
| 6    | 400000819   | 1.3'  | Hose, Flex 2.5 ID                  | Sold per foot |
| 7    | 400000819   | 1.25' | Hose, Flex 2.5 ID                  | Sold per foot |
| 8    | 400000819   | 1.3'  | Hose, Flex 2.5 ID                  | Sold per foot |
| 9    | 400000819   | 1.2'  | Hose, Flex 2.5 ID                  | Sold per foot |
| 10   | 400000819   | 0.85' | Hose, Flex 2.5 ID                  | Sold per foot |
| 11   | 400000819   | 1.2'  | Hose, Flex 2.5 ID                  | Sold per foot |
| 12   | 420100100   | 2'    | Hose, 4" ID Flex, Woven Fiberglass | Sold per foot |
| 13   | 400000816   | 4     | Clamp, Hose Worm 3-5"              |               |

## All Models

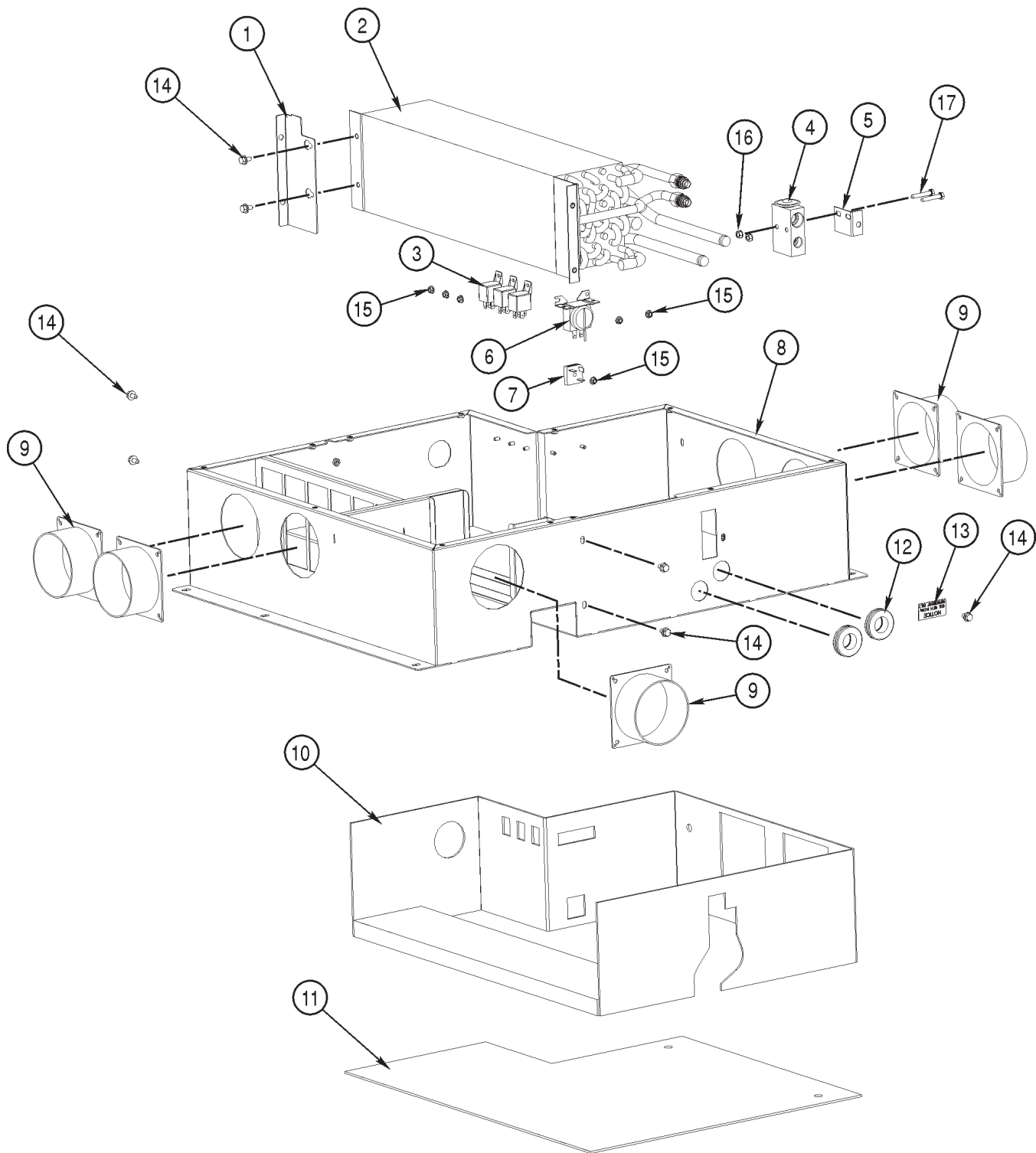


| Item | Part Number | Qty | Description                   | Comments          |
|------|-------------|-----|-------------------------------|-------------------|
| 1    | 400000896   | 4   | Hose, Drain HVAC              |                   |
| 2    | 400000897   | 8   | Clamp, Spring Drain Hose HVAC |                   |
| 3    | 901003002   | 7   | Nut, Finished Hex 1/4-20      |                   |
| 4    | 902201085   | 7   | Washer, Lock 1/4" ZP          |                   |
| 5    | 902003035   | 7   | Washer, Flat 1/4" ZP          |                   |
| 6    | 400000810   | 1   | Assembly, HVAC                | Complete Assembly |
| 7    | 915001305   | 10  | Clamp, Screw #064 64-114 mm   |                   |
| 8    | 420100100   | 1   | Hose,4" ID Flex               | 1 ft              |
| 9    | 420100100   | 2   | Hose,4" ID Flex               | 1 ft              |
| 10   | 400000824   | 1   | Adapter, Fresh Air            |                   |
| 11   | 420100100   | 2   | Hose,4" ID Flex               | 2 ft              |





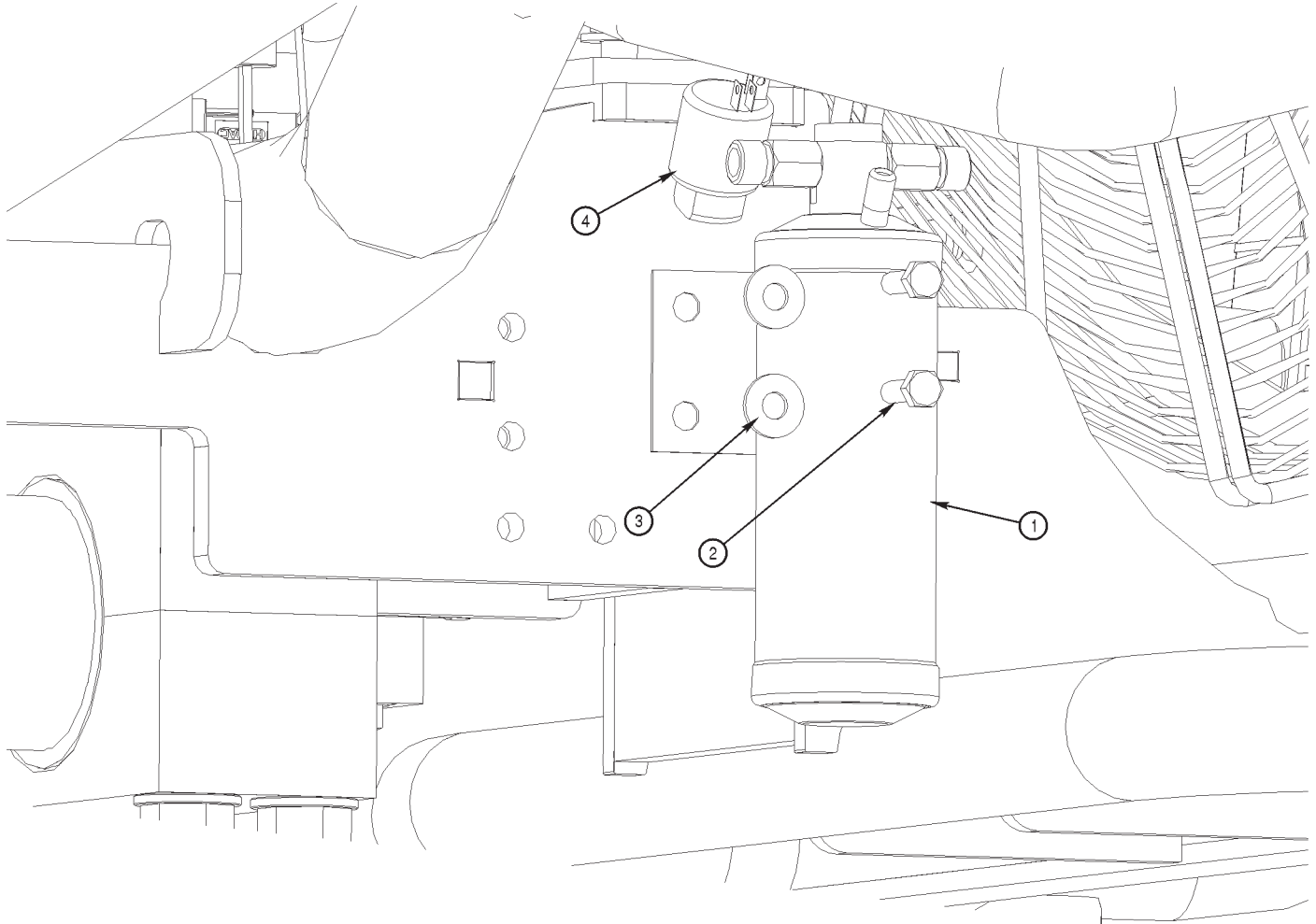
| Item | Part Number | Qty    | Description                            | Comments          |
|------|-------------|--------|----------------------------------------|-------------------|
| 1    | 400200124   | 1      | Weldment, Housing Cover HVAC           |                   |
| 2    | 400200133   | 1      | Cover, Filter HVAC                     |                   |
| 3    | 400000900   | 40.5"  | Tape, Dual Lock, Filter HVAC           |                   |
| 4    | 490006661   | 1      | Filter, Cab Recirculating              |                   |
| 5    | 490003651   | 1      | Filter, Cab Charcoal                   |                   |
| 6    | 400200127   | 1      | Foam Panel, Drain Pan HVAC             |                   |
| 7    | 400200132   | 1      | Foam Panel, Cover HVAC                 |                   |
| 8    | 490100000   | 20.96" | Sponge Rub 1" W x 1/4" TK 50           |                   |
| 9    | 400200108   | 1      | Blower, HVAC                           |                   |
| 10   | 400200125   | 1      | Weldment, Blower Mount HVAC            |                   |
| 11   | 400200123   | 1      | Weldment, Main Housing HVAC            |                   |
| 12   | 400200120   | 5      | Screw, PH M4 x 0.70 x 12 Phillips HVAC |                   |
| 13   | 400200116   | 21     | Bolt, HHCS M6 x 1.0 x 12 HVAC          |                   |
| 14   | 400200117   | 2      | Nut, Hex Flange M6 x 1.0 HVAC          |                   |
| 15   | 400000898   | 4      | Reducer, Condensate HVAC               |                   |
| 16   | 400000897   | 8      | Clamp, Spring Drain Hose HVAC          |                   |
| 17   | 400000896   | 4      | Hose, Drain HVAC                       | 1 ft              |
|      |             |        |                                        |                   |
|      | K65000190   |        | Kit, Cab Filters                       |                   |
|      | 400000810   |        | Assembly, HVAC                         | Complete Assembly |



| Item | Part Number | Qty | Description                                   | Comments |
|------|-------------|-----|-----------------------------------------------|----------|
| 1    | 400200122   | 1   | Weldment, Bracket, Coil Mount HVAC            |          |
| 2    | 400200106   | 1   | Coil, HVAC                                    |          |
| 3    | 400200105   | 3   | Relay, 12 Volt with Bracket and Resistor HVAC |          |
| 4    | 400200113   | 1   | Valve, Block TXV, R134a HVAC                  |          |
| 5    | 400200126   | 1   | Weldment, TXV Mount HVAC                      |          |
| 6    | 400200114   | 1   | Switch, Thermostat HVAC                       |          |
| 7    | 400200110   | 1   | Diode, Isolator, Sleeper Fan HVAC             |          |
| 8    | 400200123   | 1   | Weldment, Main Housing HVAC                   |          |
| 9    | 400200109   | 5   | Adapter, Flex hose 4" HVAC                    |          |
| 10A  | 400200130   | 1   | Foam Panel, Side #1 HVAC                      |          |
| 10B  | 400200129   | 1   | Foam Panel, Side #2 HVAC                      |          |
| 10C  | 400200128   | 1   | Foam Panel, 1.00 x 5.00 x 25.00 HVAC          |          |
| 10D  | 400200127   | 1   | Foam Panel, Drain Pan HVAC                    |          |
| 10E  | 400200132   | 1   | Foam Panel, Cover HVAC                        |          |
| 11   | 400200131   | 1   | Foam Panel, Bottom HVAC                       |          |
| 12   | 400200107   | 2   | Grommet, Rubber HVAC                          |          |
| 13   | 400200111   | 1   | Decal, " Notice, R134A Refrigerant Only" HVAC |          |
| 14   | 400200116   | 21  | Bolt, HHCS M6 x 1.0 x 12 HVAC                 |          |
| 15   | 400200118   | 6   | Nut, Hex, Flange M05 x 0.80 HVAC              |          |
| 16   | 400200121   | 2   | Nut, Hex, Keps M6 x 1.0 HVAC                  |          |
| 17   | 400200119   | 2   | Bolt, HHCS M6 x 1.0 x 35 HVAC                 |          |

## AC Dryer Mounting

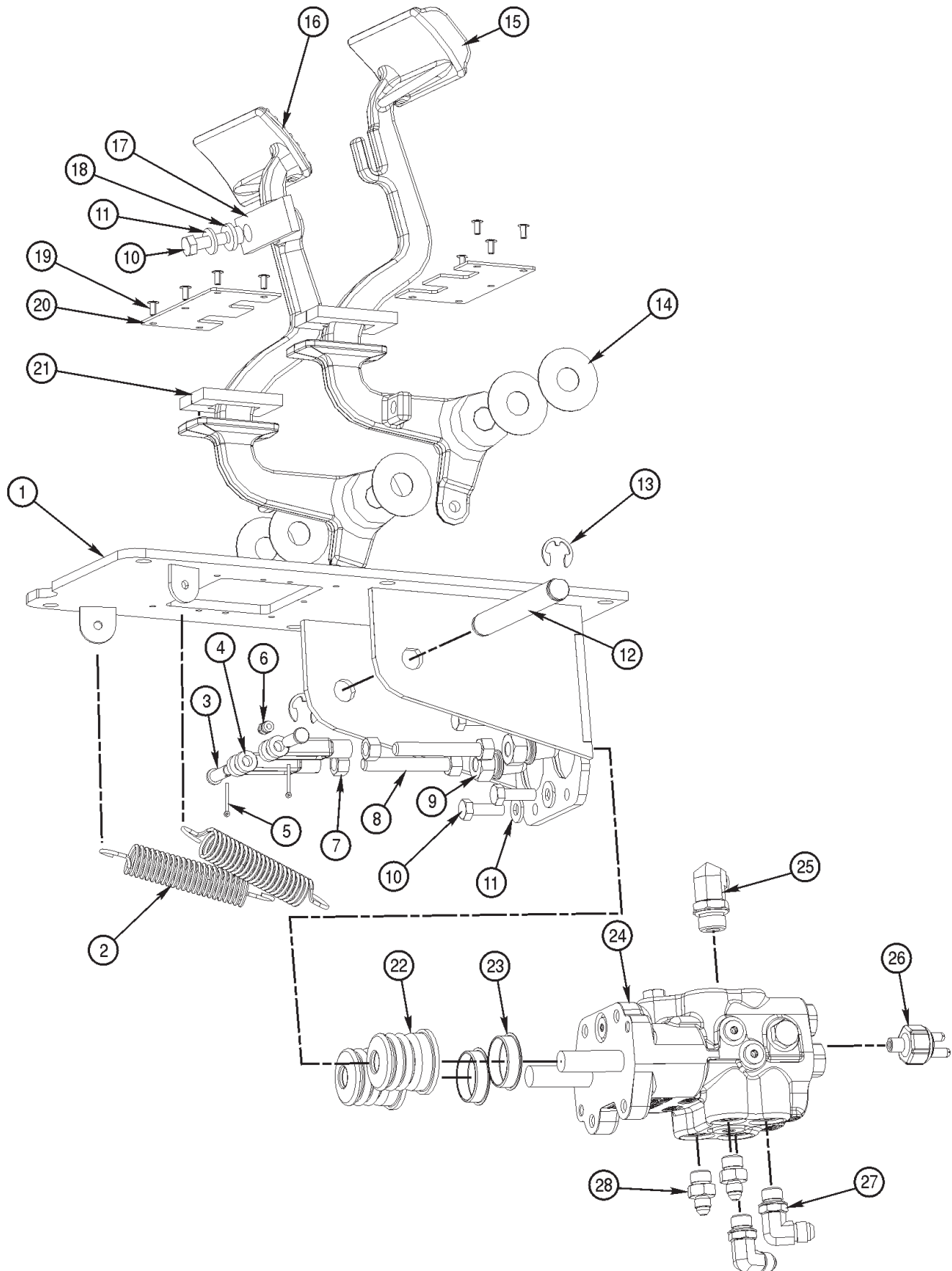
### All Models



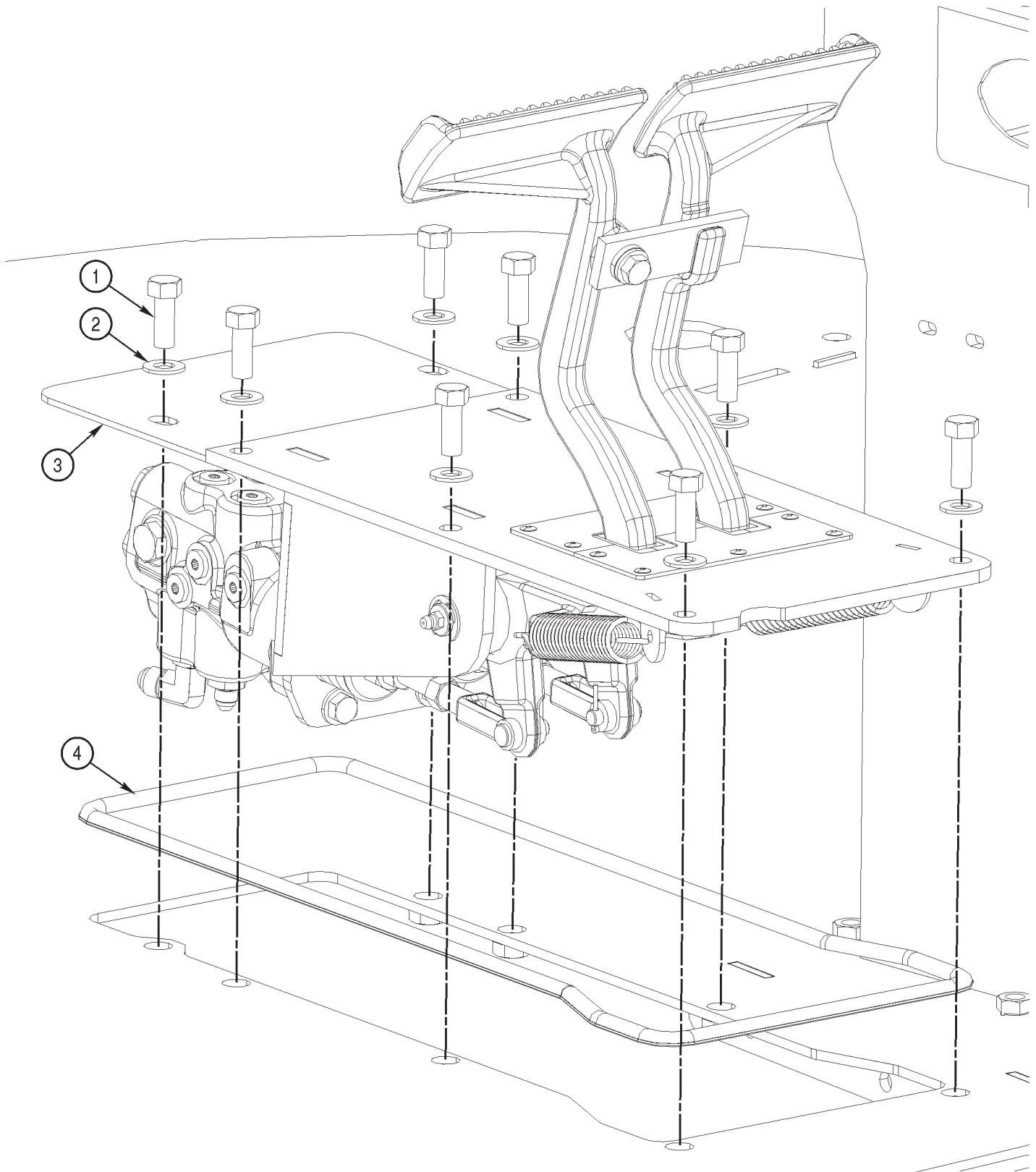
| Item | Part Number | Qty | Description                  | Comments  |
|------|-------------|-----|------------------------------|-----------|
| 1    | 420120500   | 1   | Drier, A/C                   |           |
| 2    | 900002610   | 2   | Bolt, HHCS 5/16-18 X 1 G5 ZP |           |
| 3    | 902003195   | 2   | Washer, Flat 5/16 G5 ZP      |           |
| 4    | 420120002   | 1   | Switch, A/C Pressure Trinary |           |
|      |             |     |                              |           |
|      | 901003010   | 2   | Nut, Nylock 5/16-18 ZP       | Not shown |

# Brake Pedals

## All Models



| Item | Part Number | Qty | Description                       | Comments                                 |
|------|-------------|-----|-----------------------------------|------------------------------------------|
| 1    | 400200209   | 1   | Weldment, Brake Plate             |                                          |
| 2    | 400000398   | 2   | Spring, Extension Brake           |                                          |
| 3    | 400000851   | 2   | Pin,Clevis, 0.311 OD x 0.832LG,YZ |                                          |
| 4    | 400000852   | 2   | Clevis End, 0.375-24, 0.313 Pin   |                                          |
| 5    | 400000665   | 2   | Pin, Cotter 2 x 20                |                                          |
| 6    | 400200036   | 1   | Zerk, 1/4-28 Grease, Cab          |                                          |
| 7    | 400200035   | 4   | Nut, Jam 0.38-24, Cab             |                                          |
| 8    | 400200211   | 2   | Threaded Rod, Brake               |                                          |
| 9    | 400200038   | 2   | Pushrod, Brakes                   |                                          |
| 10   | 400000659   | 5   | Bolt, Hex M8 x 1.25 x 25 Cab      |                                          |
| 11   | 400000674   | 5   | Washer, Bev 8, 18, 1.4 Cab        |                                          |
| 12   | 400200041   | 1   | Pin, Grooved, Cab                 |                                          |
| 13   | 400000397   | 2   | Circlip, Cab                      |                                          |
| 14   | 400000656   | 5   | Washer, Flat 17, 45, 1 Cab        |                                          |
| 15   | 400200206   | 1   | Pedal, Left                       |                                          |
| 16   | 400200207   | 1   | Pedal, Right                      |                                          |
| 17   | 400200049   | 1   | Plate, Brake Lock                 |                                          |
| 18   | 400200042   | 1   | Spacer, Brake Lock                |                                          |
| 19   | 400000663   | 10  | Rivet, 4 x 8.6 Cab                |                                          |
| 20   | 400200208   | 2   | Plate, Brake Opening              |                                          |
| 21   | 400000661   | 2   | Seal, Around Brake Pedal          |                                          |
| 22   | 400200210   | 2   | Boot, Brake                       |                                          |
| 23   | 400200043   | 2   | Boot Retainer, Brake              |                                          |
| 24   | 400200078   | 1   | Master Cylinder, Brake            | Master Cylinder Repair Kit P/N 400200215 |
| 25   | 800404230   | 1   | Fitting, 8 FLM x 8 ORM 90         |                                          |
| 26   | 700020101   | 1   | Switch, Brake Pressure            |                                          |
| 27   | 800404215   | 2   | Fitting, 6 FLM x 6 ORM 90         |                                          |
| 28   | 800302236   | 2   | Fitting, 4 FLM x 6 ORM ST         |                                          |

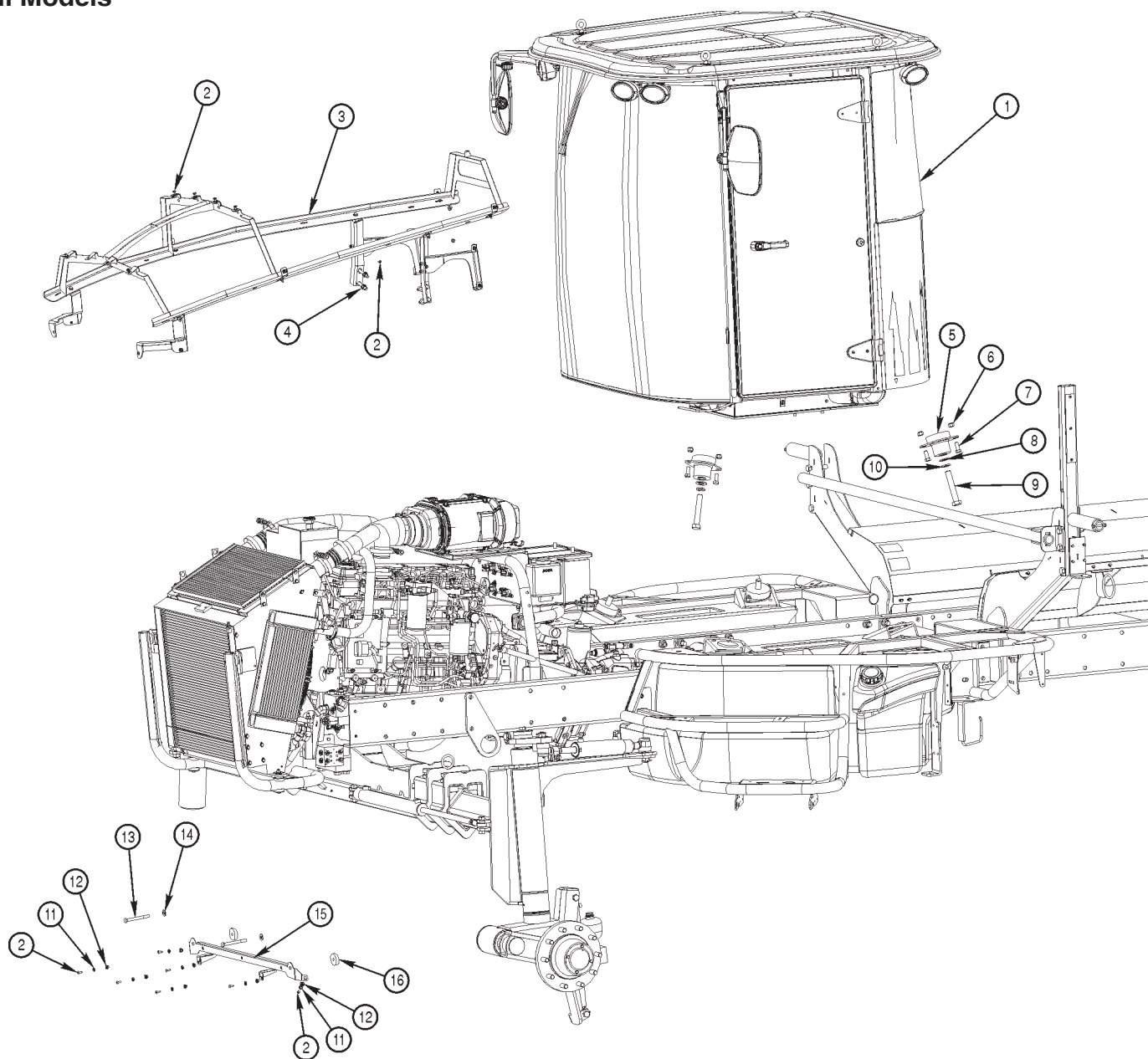


| Item | Part Number | Qty | Description                  | Comments |
|------|-------------|-----|------------------------------|----------|
| 1    | 400000416   | 8   | Bolt, 3/8-16 x 1" Hex G8 CAB |          |
| 2    | 400000418   | 8   | Washer, 3/8-16 Flat CAB      |          |
| 3    | 400200157   | 1   | Plate, Brake Cover           |          |
| 4    | 400200050   | 1   | Seal, Brake Plate, Cab       |          |



# Cab Mounting and Hood Structure

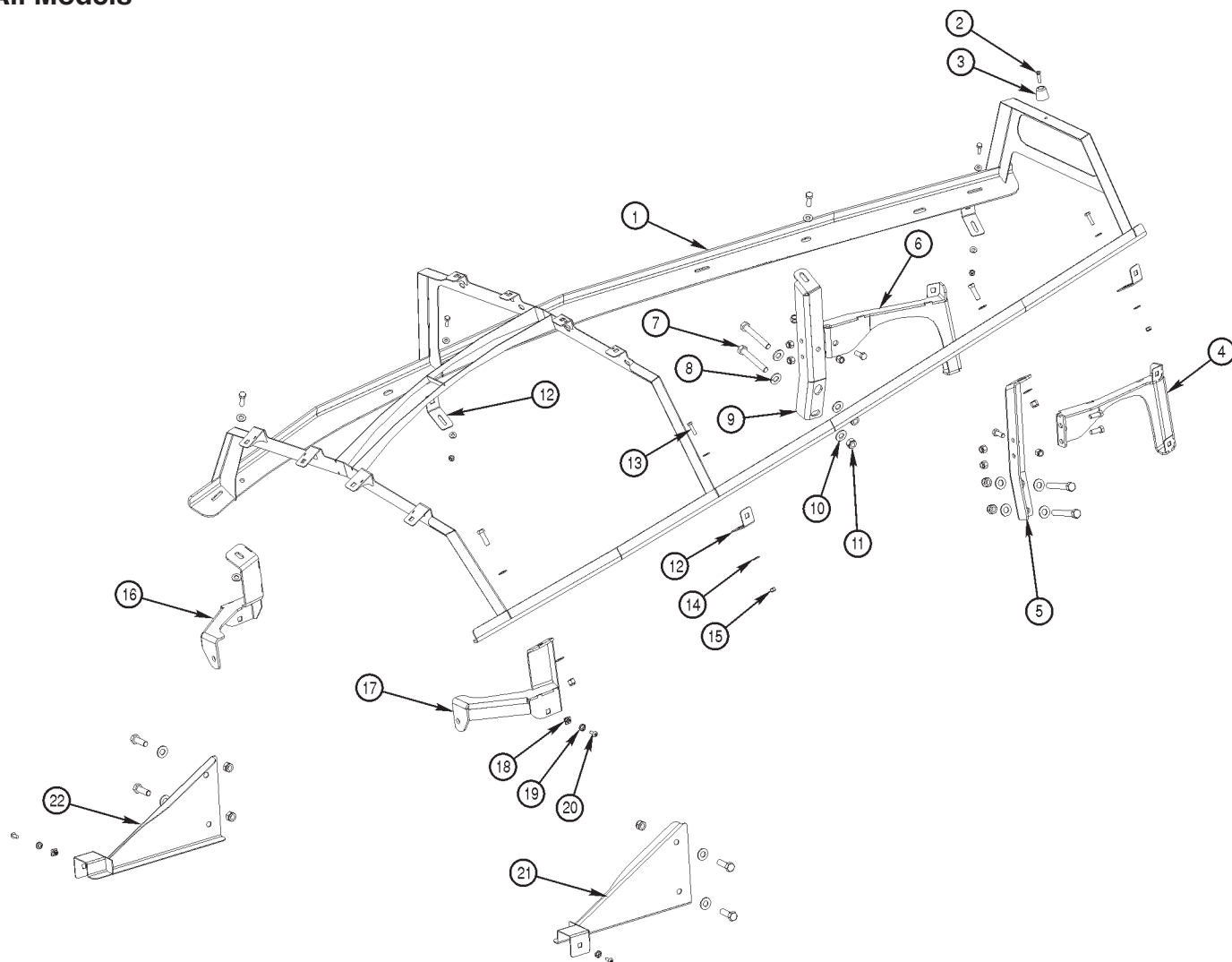
## All Models



| Item | Part Number | Qty | Description                                | Comments |
|------|-------------|-----|--------------------------------------------|----------|
| 1    | 400000802   | 1   | Cab Assembly, Angus Palm 2012              |          |
| 2    | 915001309   | 7   | Screw, #14 x 1" Pan Head Truss Salt Bath   |          |
| 3    | 450000004   | 1   | Hood, Substructure Top, 2012               |          |
| 4    | 901003020   | 4   | Nut, Nylock 3/8-16 ZP                      |          |
| 5    | 490002645   | 4   | Isolator, Cab                              |          |
| 6    | 901003060   | 8   | Nut, Nylock 5/8-11 ZP                      |          |
| 7    | 900003665   | 8   | Bolt, HHCS 5/8-11 X 1 1/2 G5 ZP            |          |
| 8    | 900004386   | 4   | Washer, Flat 1-8                           |          |
| 9    | 900004385   | 4   | Bolt, HHCS 1-8 X 6 G5 ZP                   |          |
| 10   | 900004387   | 4   | Washer, Lock 1-8                           |          |
| 11   | 902351001   | 7   | Washer, Black Cup                          |          |
| 12   | 901100000   | 7   | Nut, License Plate Nylon #14               |          |
| 13   | 902201109   | 4   | Bolt, HHCS 7/16-14 x 5"                    |          |
| 14   | 902002050   | 4   | Washer, Fender 1/2 x 2" ZP ID 17/32" OD 2" |          |
| 15   | 450000006   | 1   | Hood, Substructure Front, 2012             |          |
| 16   | 201200147   | 2   | Bushing, Radiator Support                  |          |

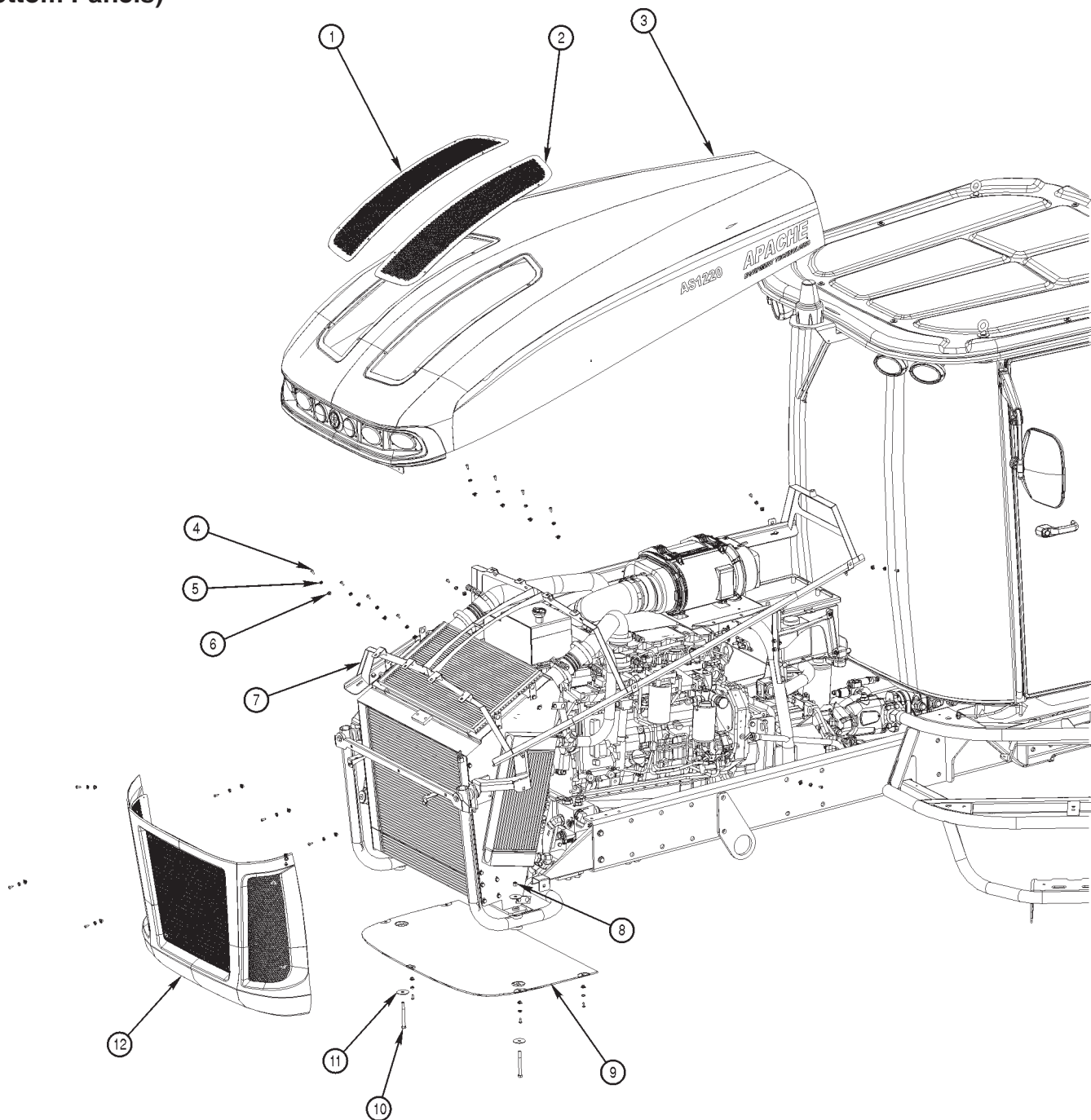
# Hood

## All Models



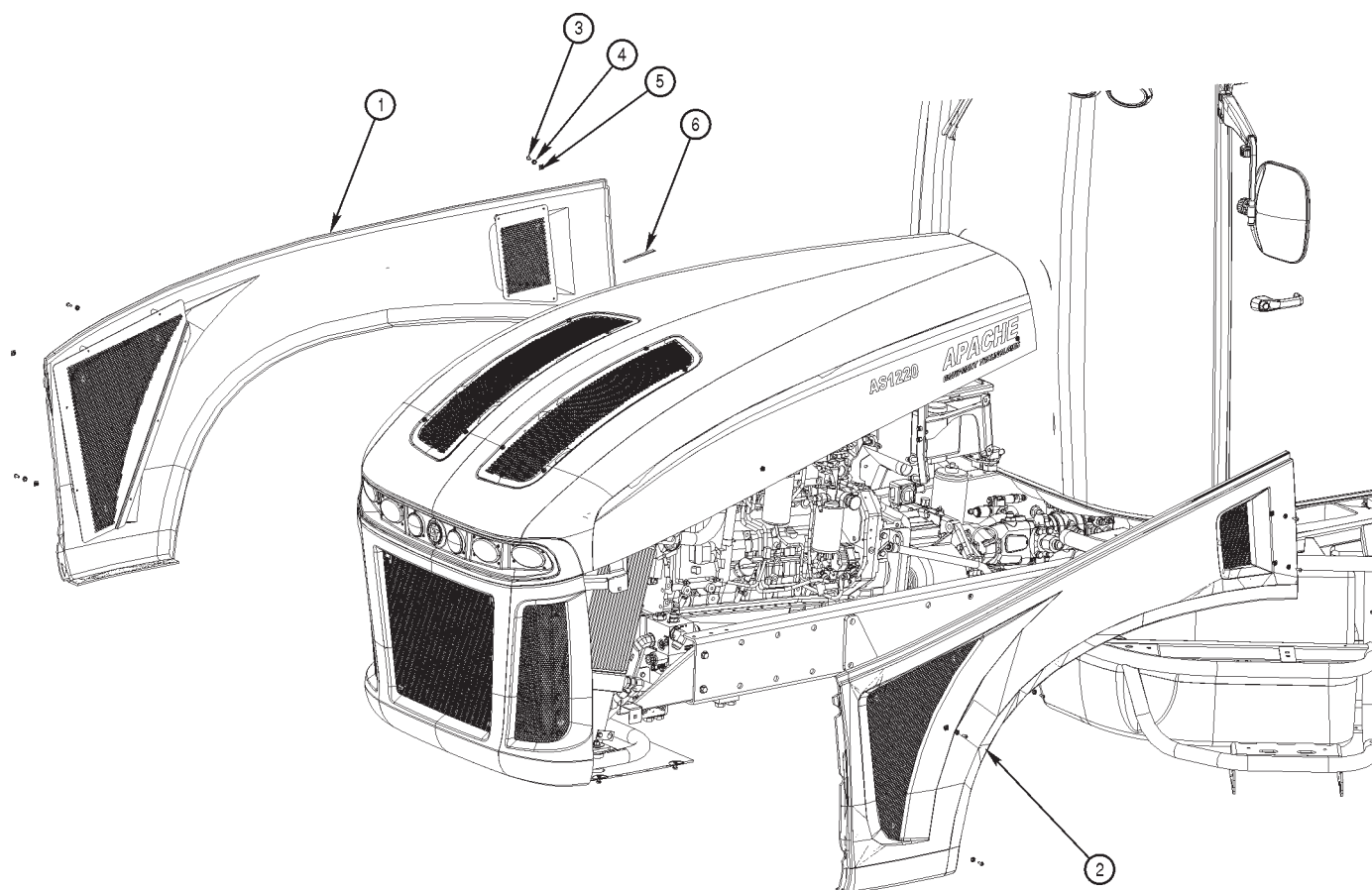
| Item | Part Number | Qty | Description                                   | Comments                           |
|------|-------------|-----|-----------------------------------------------|------------------------------------|
| 1    | 450000004   | 1   | Hood, Substructure Top, 2012                  | Can be used on 2011 as replacement |
| 2    | 900000019   | 1   | Screw, 1/4-20 x 1" PH Flat head Machined      |                                    |
| 3    | 420000076   | 1   | Bumper, Tool Box door                         |                                    |
| 4    | 450000012   | 1   | Hood, Substructure L/H Rear, 2012             | Can be used on 2011 as replacement |
| 5    | 420000169   | 1   | Hood Substructure Riser, Left Rear            |                                    |
| 6    | 450000011   | 1   | Hood, Substructure R/H Rear, 2012             | Can be used on 2011 as replacement |
| 7    | 900002865   | 4   | Bolt HHCS 3/8-16 X 3 G5 ZP                    |                                    |
| 8    | 902002052   | 4   | Washer, Fender 3/8" ID x 1 1/2" OD            |                                    |
| 9    | 420000168   | 1   | Hood Substructure Riser, Right Rear           |                                    |
| 10   | 902003195   | 4   | Washer, Flat 5/16 G5 ZP                       |                                    |
| 11   | 901003020   | 4   | Nut, Nylock 3/8-16                            |                                    |
| 12   | 450000005   | 4   | Hood, Bracket Top, 2012                       | Can be used on 2011 as replacement |
| 13   | 900002405   | 4   | Bolt, HHCS 1/4-20 X 1 G5 ZP                   |                                    |
| 14   | 902003035   | 8   | Washer, Flat 1/4 ZP                           |                                    |
| 15   | 901003000   | 4   | Nut, Nylock 1/4-20 ZP                         |                                    |
| 16   | 450000007   | 1   | Hood, Substructure R/H Radiator Support, 2012 | Can be used on 2011 as replacement |
| 17   | 450000008   | 1   | Hood, Substructure L/H Radiator Support, 2012 | Can be used on 2011 as replacement |
| 18   | 901100000   | A/R | Nut, License Plate Nylon #14                  |                                    |
| 19   | 902351001   | A/R | Washer, Black Cup                             |                                    |
| 20   | 915001309   | A/R | Screw, #14 x 1" Pan Head Truss Salt Bath      |                                    |
| 21   | 450000010   | 1   | Hood, Substructure L/H Front, 2012            | Can be used on 2011 as replacement |
| 22   | 450000009   | 1   | Hood, Substructure R/H Front, 2012            | Can be used on 2011 as replacement |

## All Models (Top, Front and Bottom Panels)



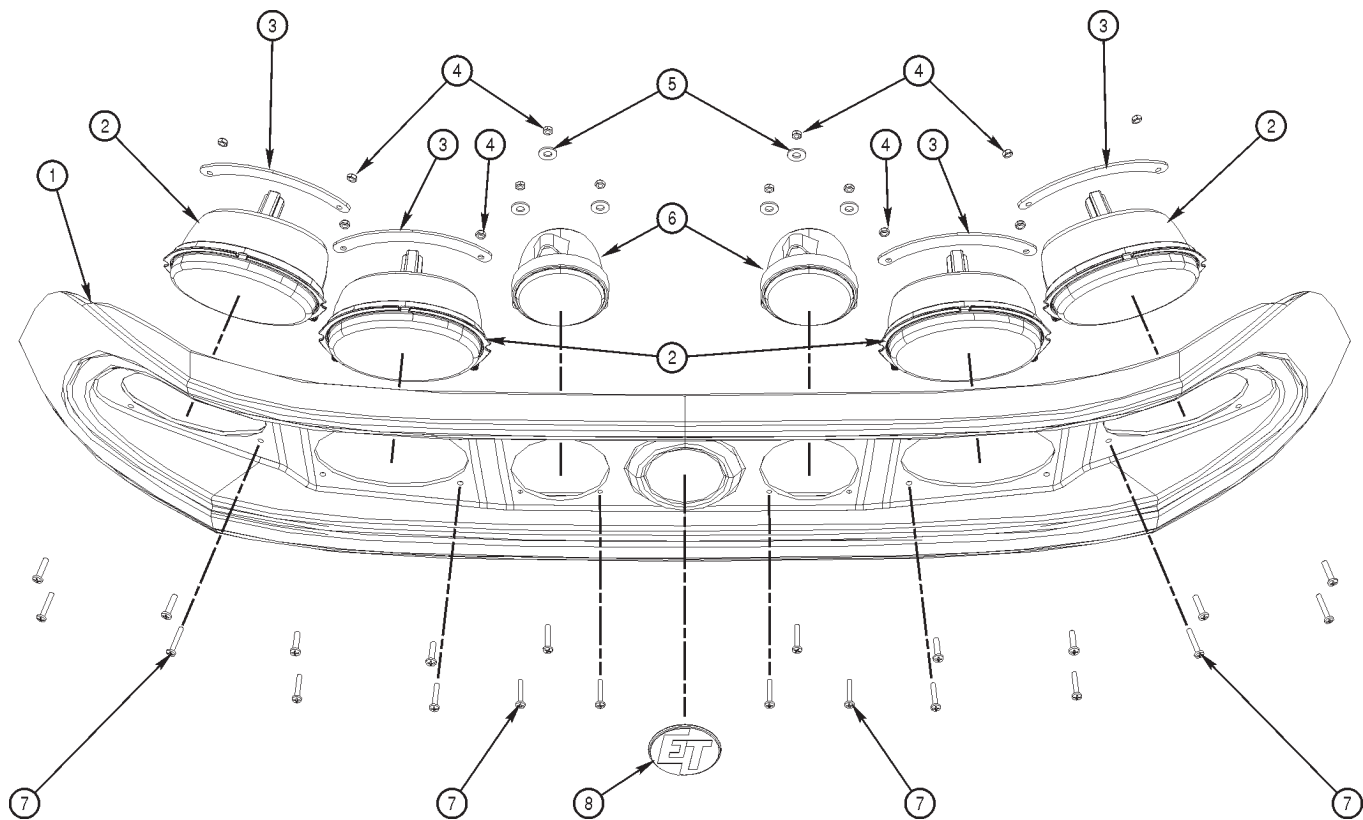
| Item | Part Number | Qty | Description                                | Comments                           |
|------|-------------|-----|--------------------------------------------|------------------------------------|
| 1    | 420000146   | 1   | Hood Grill, Top Right                      |                                    |
| 2    | 420000147   | 1   | Hood Grill, Top Left                       |                                    |
| 3    | 420000130   | 1   | Hood, Top w/bezel                          |                                    |
| 4    | 915001309   | A/R | Screw, #14 x 1" Pan Head Truss Salt Bath   | Used on hood and side panels       |
| 5    | 902351001   | A/R | Washer, Black Cup                          | Used on hood and side panels       |
| 6    | 901100000   | A/R | Nut, License Plate Nylon #14               | Used on hood and side panels       |
| 7    | 450000004   | 1   | Hood, Substructure Top, 2012               |                                    |
| 8    | 902201108   | 4   | Nut, Nylock 7/16-14                        |                                    |
| 9    | 450000014   | 1   | Hood Bottom 2012                           | Can be used on 2011 as replacement |
| 10   | 902201109   | 2   | Bolt, HHCS 7/16-14 x 5"                    |                                    |
| 11   | 902002050   | 4   | Washer, Fender 1/2 x 2" ZP ID 17/32" OD 2" |                                    |
| 12   | 450000013   | 1   | Hood Front 2012                            | Can be used on 2011 as replacement |

## All Models (Side Panels)



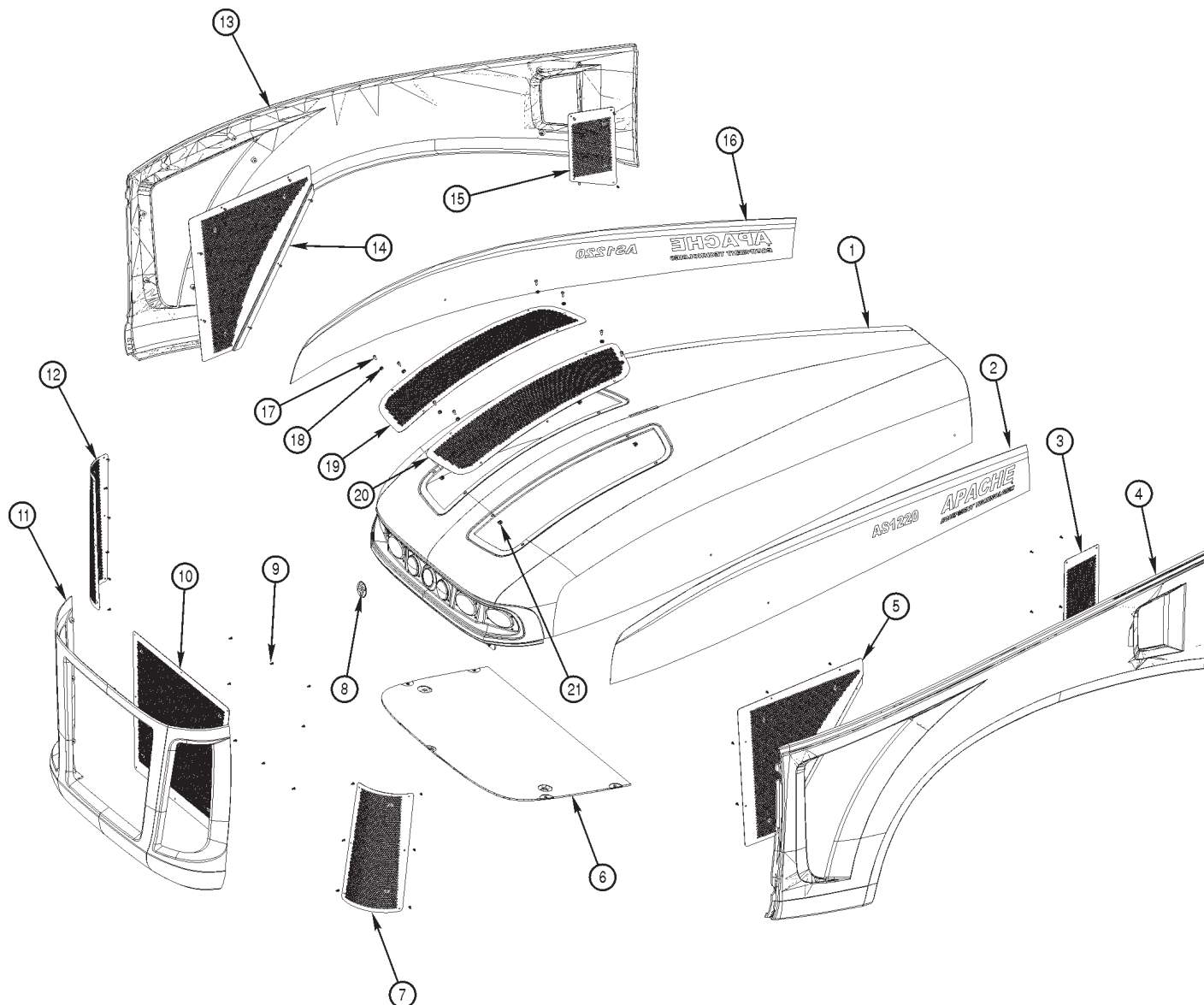
| Item | Part Number | Qty | Description                              | Comments                     |
|------|-------------|-----|------------------------------------------|------------------------------|
| 1    | 420000132   | 1   | Hood, Right                              |                              |
| 2    | 420000131   | 1   | Hood , Left                              |                              |
| 3    | 915001309   | A/R | Screw, #14 x 1" Pan Head Truss Salt Bath | Used on hood and side panels |
| 4    | 902351001   | A/R | Washer, Black Cup                        | Used on hood and side panels |
| 5    | 901100000   | A/R | Nut, License Plate Nylon #14             | Used on hood and side panels |
| 6    | 420000196   | 1   | Hood Ornament 0.5" x 5"                  |                              |

**All Models (Headlights)**



| Item | Part Number | Qty | Description                                   | Comments |
|------|-------------|-----|-----------------------------------------------|----------|
| 1    | NSS         |     | Included with Hood Part # 420000130           |          |
| 2    | 710000020   | 4   | Work Lamp, Oval 100 SB Long Range             |          |
| 3    | 420000167   | 4   | Bracket, Light support                        |          |
| 4    | 903302606   | 14  | Nut, Nylock 8-32 ZP                           |          |
| 5    | 902003035   | 4   | Washer, Flat 1/4 ZP                           |          |
| 6    | 710000021   | 2   | Work Lamp, 70 mm, H3, Long Range              |          |
| 7    | 903302610   | 22  | Mach Screw 8-32 X 1 1/4 Phillips, Black Oxide |          |
| 8    | 420306046   | 1   | Decal, "ET" Medallion, Hood                   |          |

## All Models (Grills and Decals)

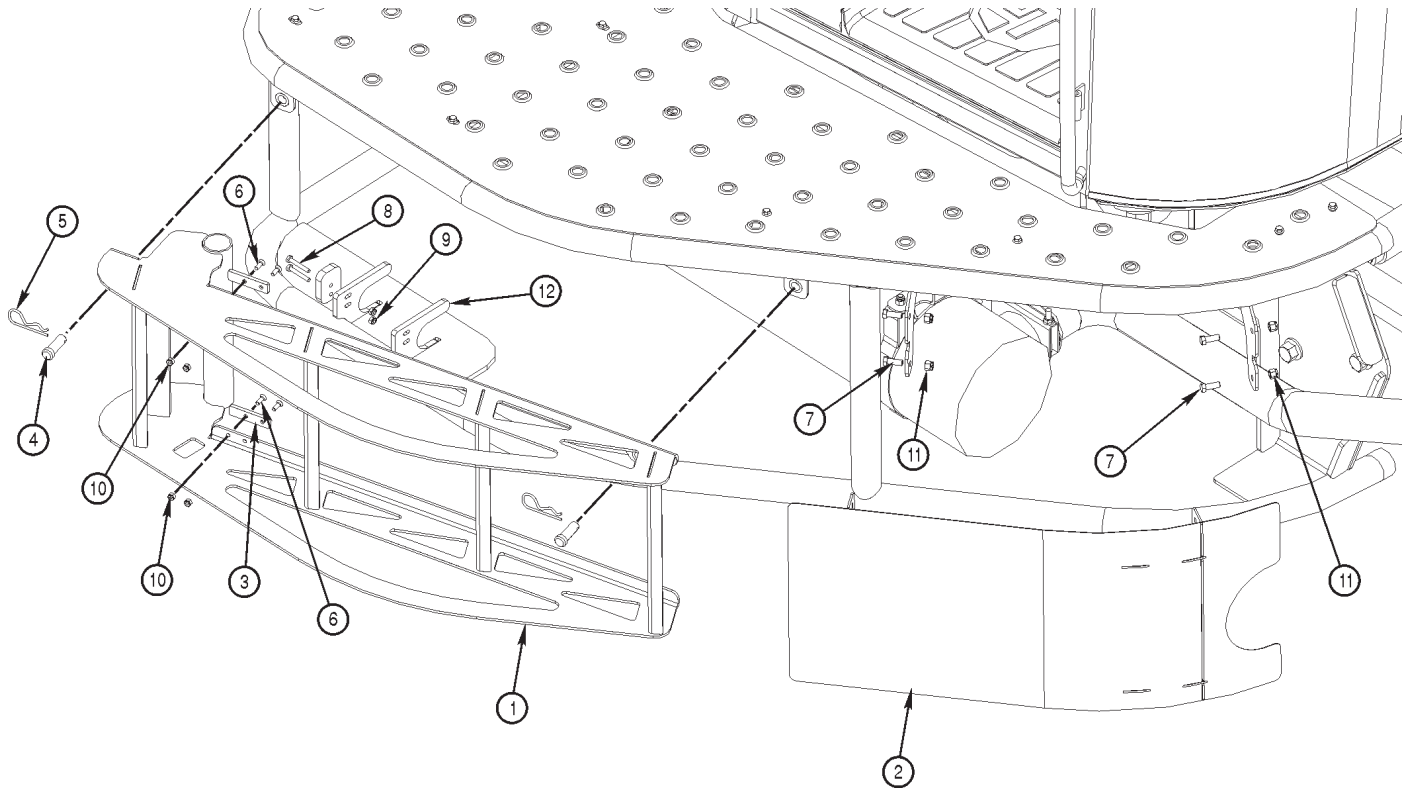




| Item | Part Number | Qty | Description                              | Comments                           |
|------|-------------|-----|------------------------------------------|------------------------------------|
| 1    | 420000130   | 1   | Hood, Top w/bezel                        |                                    |
| 2A   | 420306041   | 1   | Decal, Hood Main L/H 720                 |                                    |
| 2B   | 420306043   | 1   | Decal, Hood Main L/H 1020                |                                    |
| 2C   | 420306066   | 1   | Decal, Hood Main L/H 1025                |                                    |
| 2D   | 420306045   | 1   | Decal, Hood Main L/H 1220                |                                    |
| 3    | 420000145   | 1   | Hood Grill, Side Left Rear               |                                    |
| 4    | 420000131   | 1   | Hood , Left                              |                                    |
| 5    | 420000144   | 1   | Hood Grill, Side Left front              |                                    |
| 6    | 450000014   | 1   | Hood, Bottom                             | Can be used on 2011 as replacement |
| 7    | 420000140   | 1   | Hood Grill, Front Left                   |                                    |
| 8    | 420306046   | 1   | Decal, "ET" Medallion, Hood              |                                    |
| 9    | 903302910   | 20  | Screw, #12 - 1/2" Pan Head Sheet Metal   | Used to attach grills              |
| 10   | 420000139   | 1   | Hood Grill, Front Center                 |                                    |
| 11   | 450000013   | 1   | Hood, Front                              | Can be used on 2011 as replacement |
| 12   | 420000141   | 1   | Hood Grill, Front Right                  |                                    |
| 13   | 420000132   | 1   | Hood, Right                              |                                    |
| 14   | 420000142   | 1   | Hood Grill, Side Right Front             |                                    |
| 15   | 420000143   | 1   | Hood Grill, Side Right Rear              |                                    |
| 16A  | 420306040   | 1   | Decal, Hood Main R/H 720                 |                                    |
| 16B  | 420306042   | 1   | Decal, Hood Main R/H 1020                |                                    |
| 16C  | 420306065   | 1   | Decal, Hood Main L/H 1025                |                                    |
| 16D  | 420306044   | 1   | Decal, Hood Main R/H 1220                |                                    |
| 17   | 915001309   | A/R | Screw, #14 x 1" Pan Head Truss Salt Bath | Used on hood and side panels       |
| 18   | 902351001   | A/R | Washer, Black Cup                        | Used on hood and side panels       |
| 19   | 420000146   | 1   | Hood Grill, Top Right                    |                                    |
| 20   | 420000147   | 1   | Hood Grill, Top Left                     |                                    |
| 21   | 901003118   | A/R | U-Nut, # 14                              | Used on hood and side panels       |

## Utility Ladder (Right Side)

### All Models

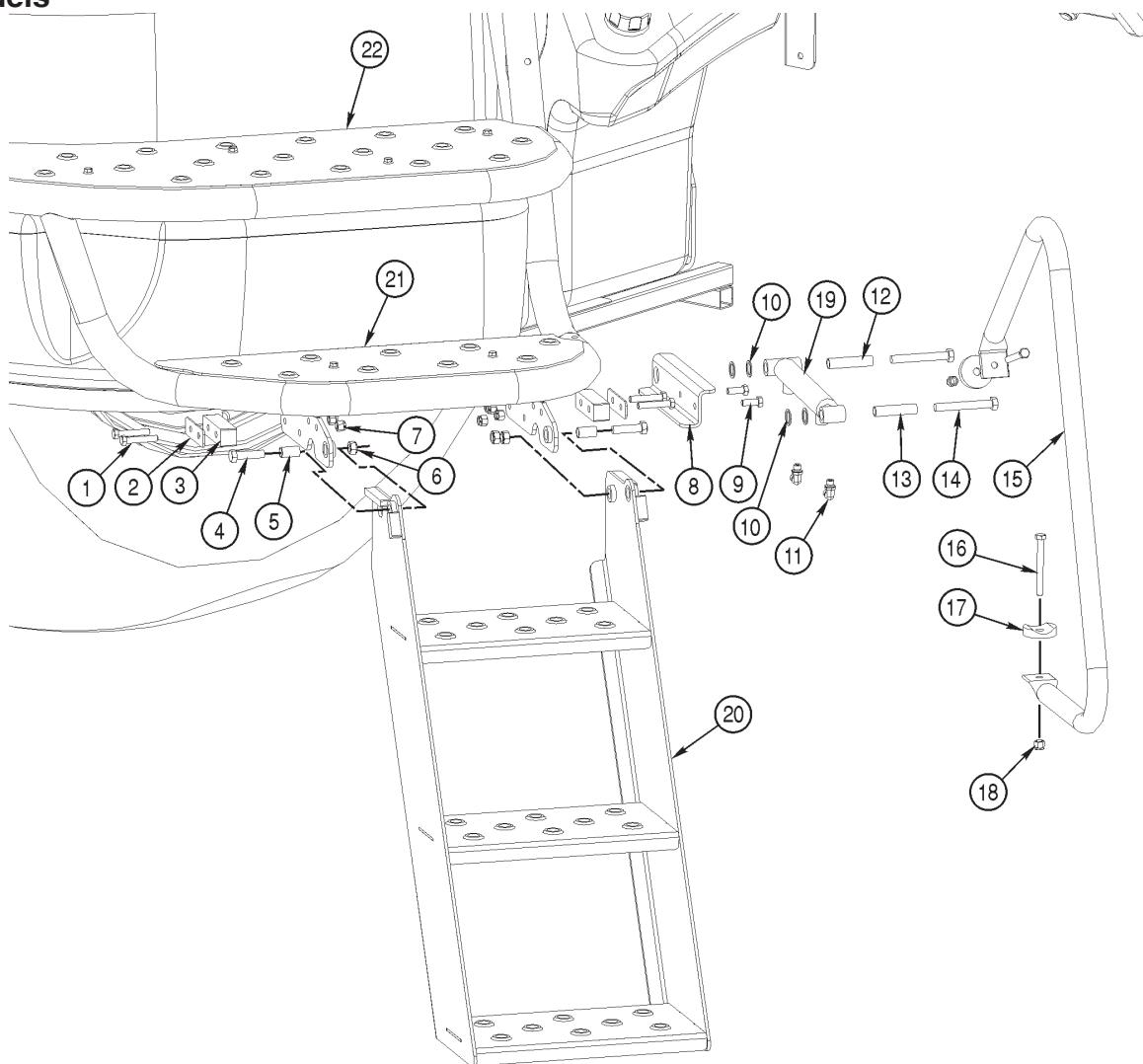


| Item | Part Number | Qty | Description                            | Comments |
|------|-------------|-----|----------------------------------------|----------|
| 1    | 420000047   | 1   | Ladder, Utility                        |          |
| 2    | 420000065   | 1   | Heat Shield, Utility Platform          |          |
| 3    | 420000049   | 2   | UHMW, Flat, Utility Ladder Rest        |          |
| 4    | 420000054   | 2   | Pin, Clevis 5/8" x 1.5"                |          |
| 5    | 420000059   | 2   | Pin, Hitch Clip 1/8" x 2-9/16          |          |
| 6    | 900000020   | 4   | Screw, 1/4-20 x 3/4 PH Flat HD Machine |          |
| 7    | 900002815   | 4   | Bolt, HHCS 3/8-16 x 1 G5 ZP            |          |
| 8    | 900000611   | 2   | Bolt, HHCS 5/16-18 x 1 1/2 G5 ZP       |          |
| 9    | 901003010   | 2   | Nut, Nylock 5/16-18 ZP                 |          |
| 10   | 901003000   | 4   | Nut, Nylock 1/4-20 ZP                  |          |
| 11   | 901003020   | 4   | Nut, Nylock 3/8-16                     |          |
| 12   | 100100664   | 1   | UHMW, Flat, Utility Ladder Catch       |          |



# Entry Ladder (Left Side)

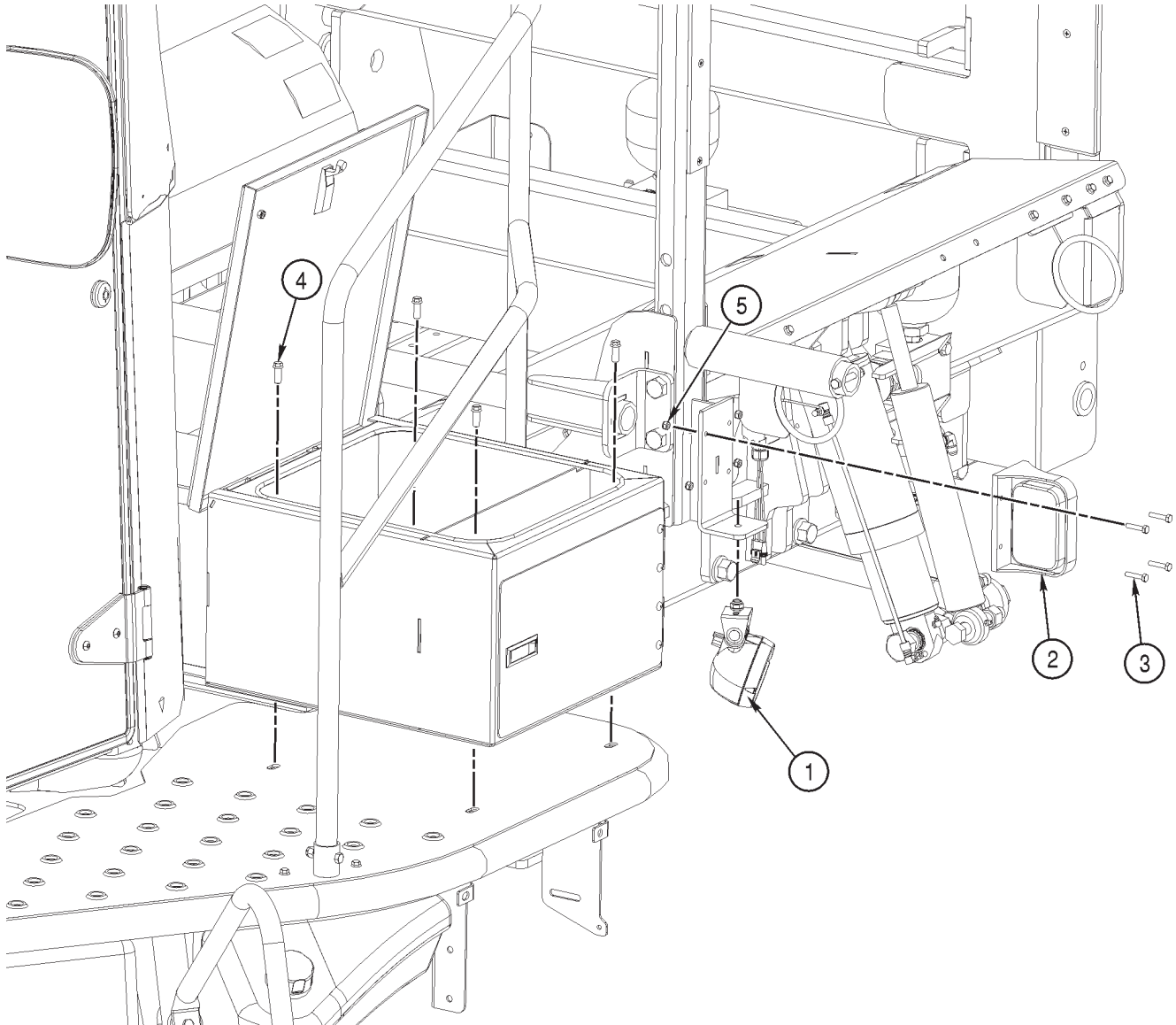
## All Models



| Item | Part Number | Qty | Description                         | Comments |
|------|-------------|-----|-------------------------------------|----------|
| 1    | 900002845   | 4   | Bolt, HHCS 3/8-16 x 2 G5 ZP         |          |
| 2    | 420000053   | 2   | Plate, Clamp, Ladder Stop           |          |
| 3    | 420000052   | 2   | UHMW, Flat, Ladder Stop             |          |
| 4    | 900102332   | 2   | Bolt, M12 x 1.75 x 45               |          |
| 5    | 420000014   | 2   | Bushing, 0.50 ID x 0.625 OD x 1.125 |          |
| 6    | 901100466   | 2   | Nut, M12 x 1.75 G10.9               |          |
| 7    | 901003020   | 4   | Nut, Nylock 3/8-16 ZP               |          |
| 8    | 420000046   | 1   | Bracket, Ladder Cylinder            |          |
| 9    | 900002815   | 2   | Bolt, HHCS 3/8-16 x 1 G5 ZP         |          |
| 10   | 901000244   | 4   | Washer, Ladder Shim                 |          |
| 11   | 800302240   | 2   | Fitting, 4 ORM x 4 FLM 90           |          |
| 12   | 420000016   | 1   | Bushing, 0.50 ID x 0.625 OD x 2.75  |          |
| 13   | 420000015   | 1   | Bushing, 0.50 ID x 0.625 OD x 2.60  |          |
| 14   | 900102331   | 2   | Bolt, M12 x 1.75 x 90               |          |
| 15   | 420000060   | 1   | Handrail, Step                      |          |
| 16   | 900002865   | 2   | Bolt, HHCS 3/8-16 x 3 G5 ZP         |          |
| 17   | 201200147   | 2   | Bushing, Radiator Support           |          |
| 18   | 901003020   | 2   | Nut, Nylock 3/8-16 ZP               |          |
| 19   | 850000124   | 1   | Cylinder, Entry Ladder Fold         |          |
| 20   | 420000045   | 1   | Ladder, Fold                        |          |
| 21   | 420000057   | 1   | Treadplate, Step                    |          |
| 22   | 420000056   | 1   | Treadplate, Mid- Platform           |          |

## Side Lights and Tool Box Mounting

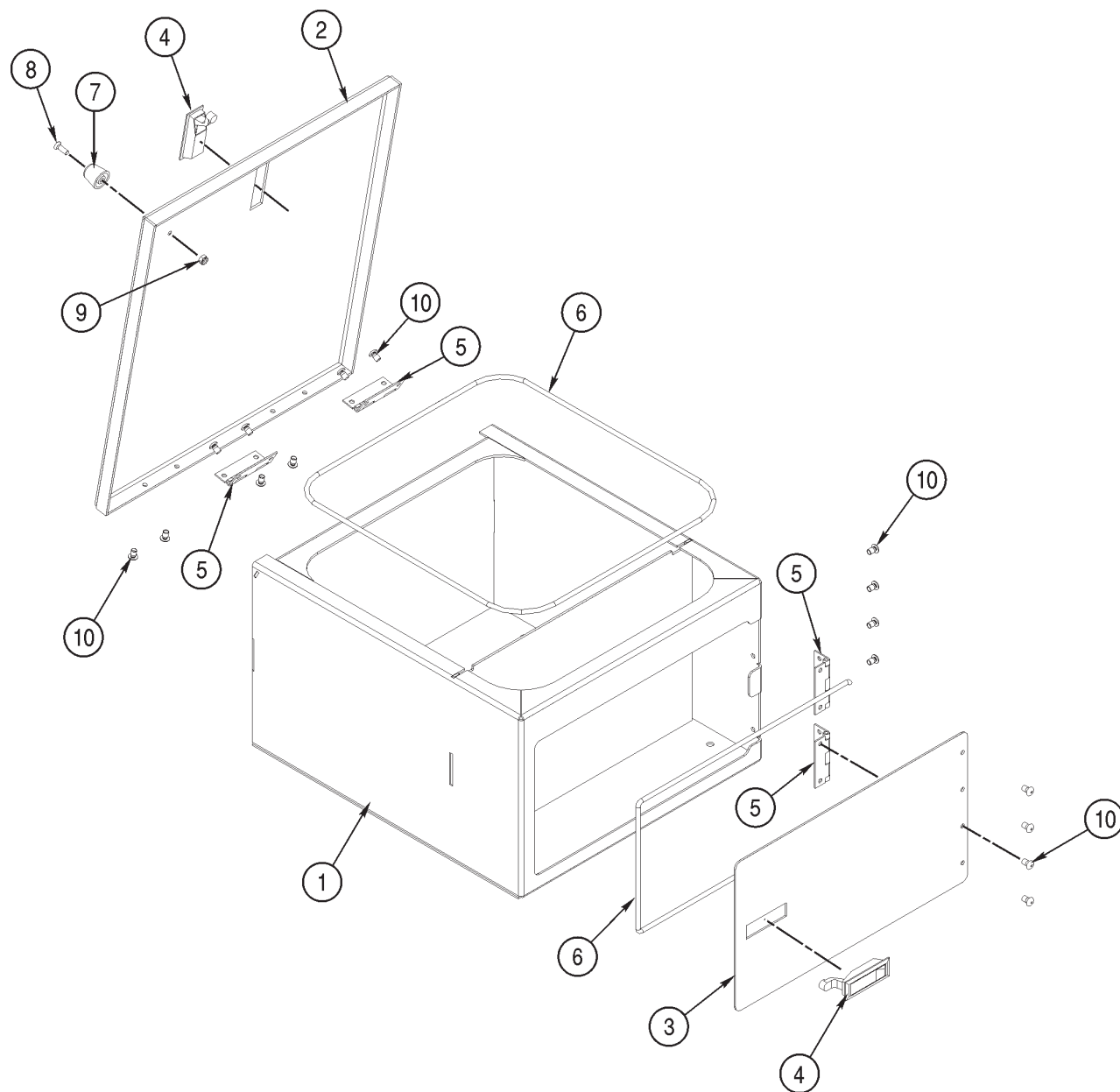
### All Models



| Item | Part Number | Qty | Description                       | Comments |
|------|-------------|-----|-----------------------------------|----------|
| 1    | 400200098   | 2   | Work Lamp, Oval                   |          |
| 2    | 710000010   | 2   | LED Amber/Amber Ped Mnt Marker    |          |
| 3    | 900002406   | 8   | Bolt, HHCS 1/4-20 x 1 1/4" G5     |          |
| 4    | 900106537   | 4   | Bolt, 3/8-16 x 1" Flanged Head SB |          |
| 5    | 901003000   | 8   | Nut, Nylock 1/4-20 ZP             |          |

## Tool Box

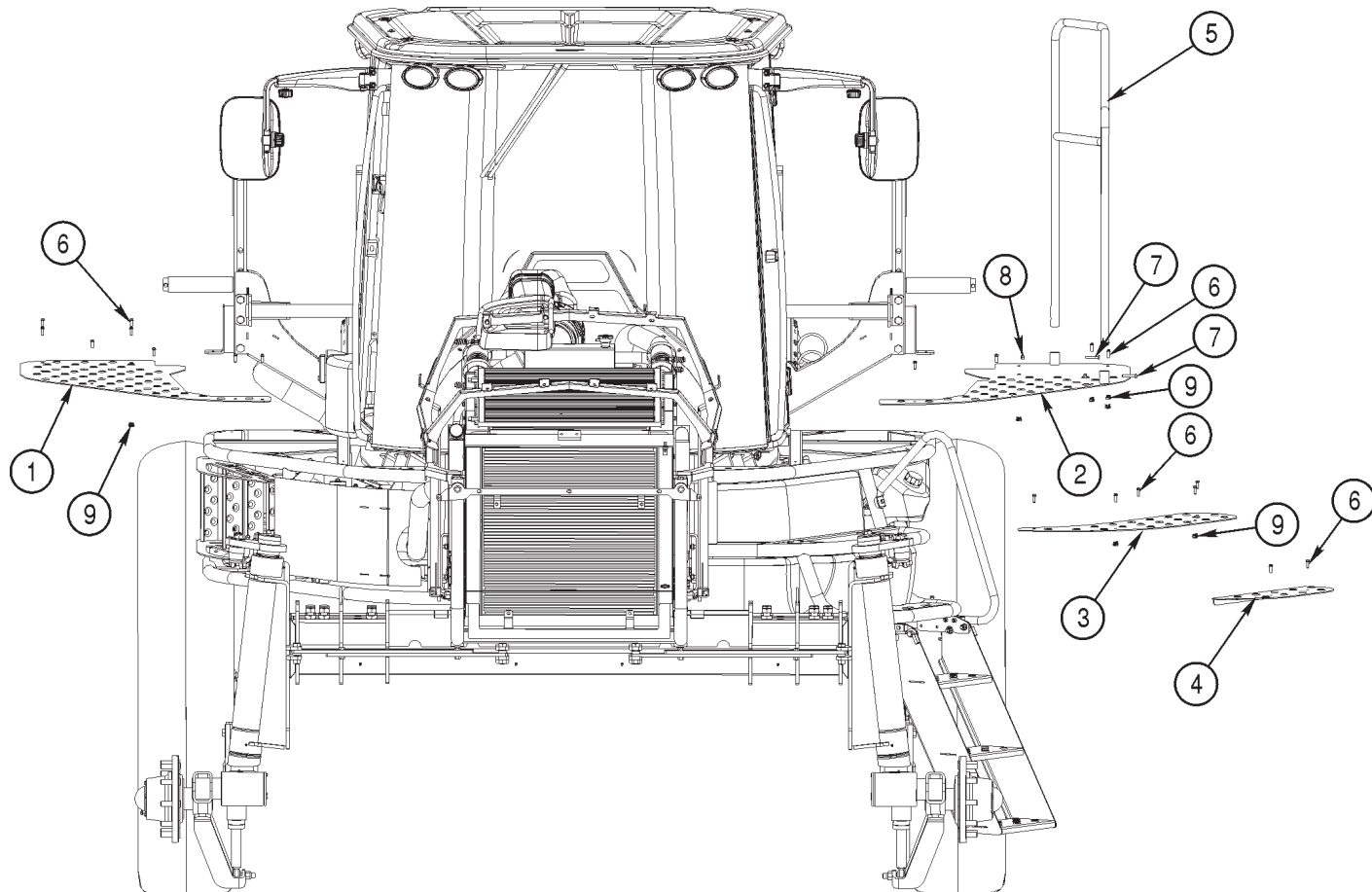
### All Models



| Item | Part Number | Qty | Description                            | Comments         |
|------|-------------|-----|----------------------------------------|------------------|
| 1    | 420000070   | 1   | Tool Box                               |                  |
| 2    | 420000072   | 1   | Door, Tool Box Top                     |                  |
| 3    | 420000071   | 1   | Door, Tool Box Side                    |                  |
| 4    | 420000025   | 2   | Latch, Toolbox Door                    |                  |
| 5    | 420000024   | 4   | Hinge, Toolbox Door                    |                  |
| 6    | 420001400   | A/R | Stripping, Weather-Air Dam             | Sold by the foot |
| 7    | 420000076   | 1   | Bumper, Tool Box Top Door              |                  |
| 8    | 900000019   | 1   | Screw, 1/4-20 x 1" PH Flat HD Machined |                  |
| 9    | 901003000   | 1   | Nut Nylock 1/4-20 ZP                   |                  |
| 10   | 900000098   | 16  | Rivet, Pop 1/4" Dia x 5/64-38          |                  |

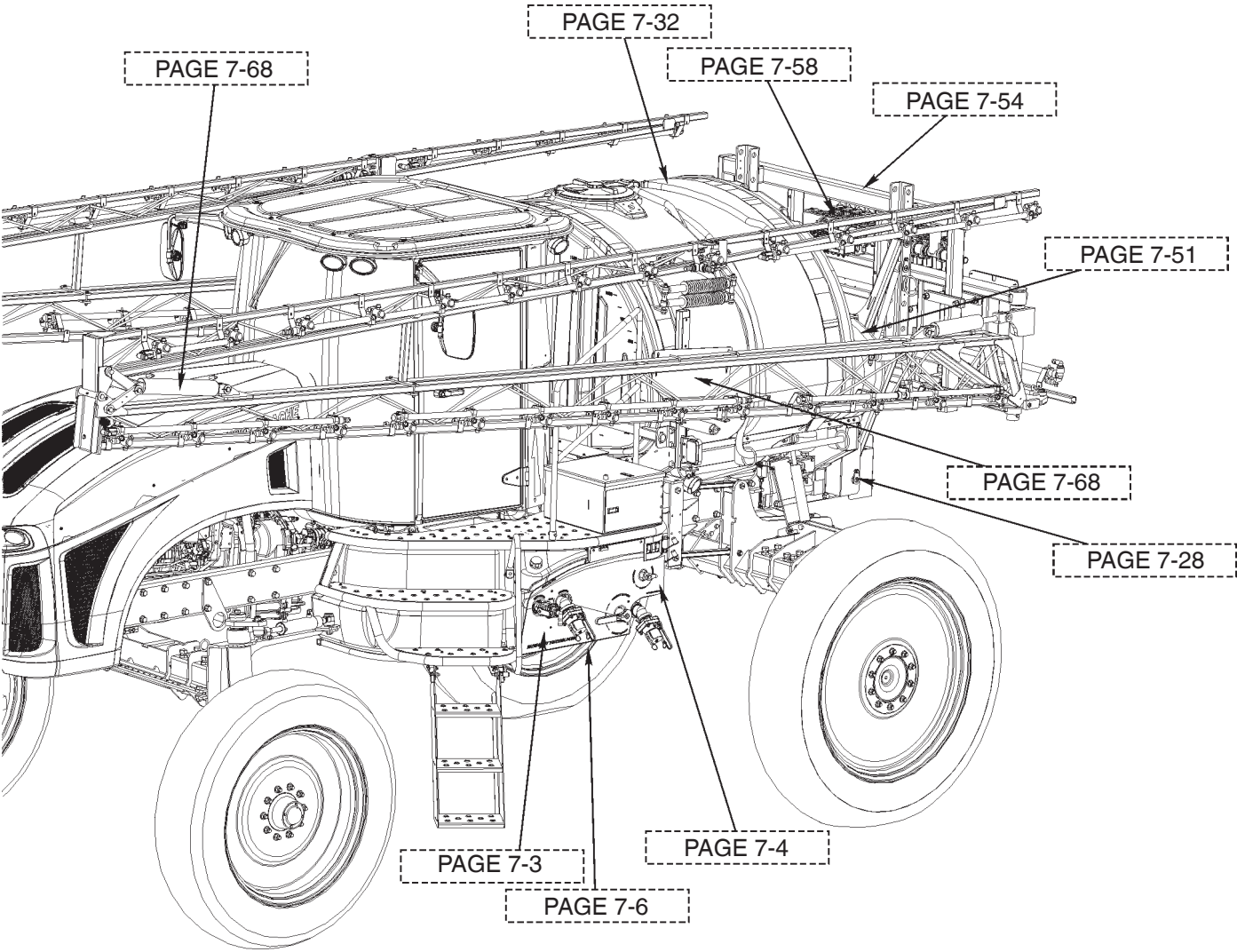
# Tread Plates

## All Models



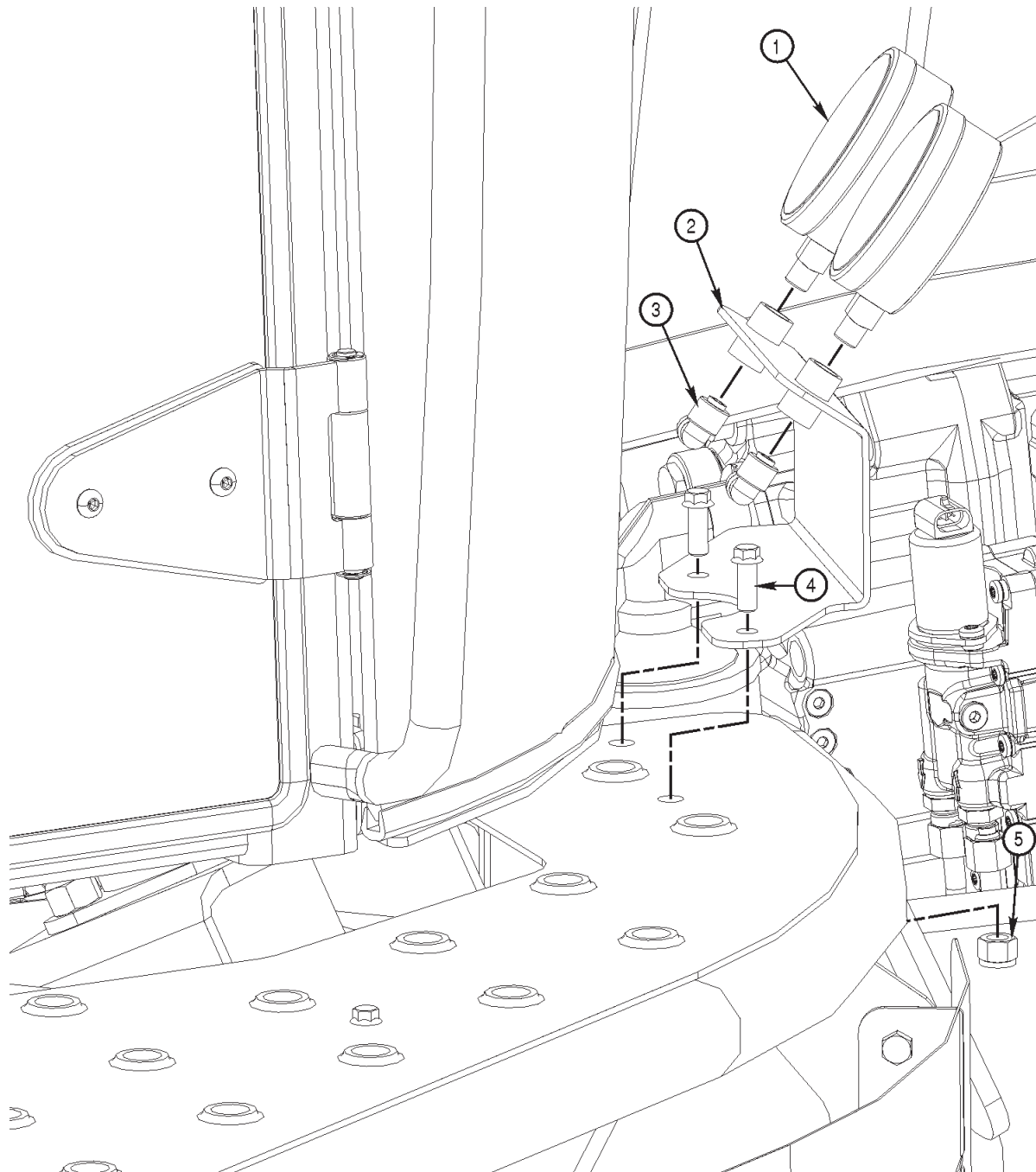
| Item | Part Number | Qty | Description                       | Comments |
|------|-------------|-----|-----------------------------------|----------|
| 1    | 420000058   | 1   | Treadplate, Utility Platform      |          |
| 2    | 420000055   | 1   | Treadplate, Platform              |          |
| 3    | 420000056   | 1   | Treadplate, Mid Platform          |          |
| 4    | 420000057   | 1   | Treadplate, Step                  |          |
| 5    | 420000061   | 1   | Handrail, Platform                |          |
| 6    | 900106537   | 20  | Bolt, 3/8-16 x 1" Flanged Head SB |          |
| 7    | 900002845   | 2   | Bolt HHCS 3/8-16 x 2 G5 ZP        |          |
| 8    | 901003020   | 2   | Nut, Nylock 3/8-16                |          |
| 9    | 900000099   | 20  | Nut, Cage 3/8-16                  |          |

Wet System  
Section Overview  
All Models



# Pressure Gauges

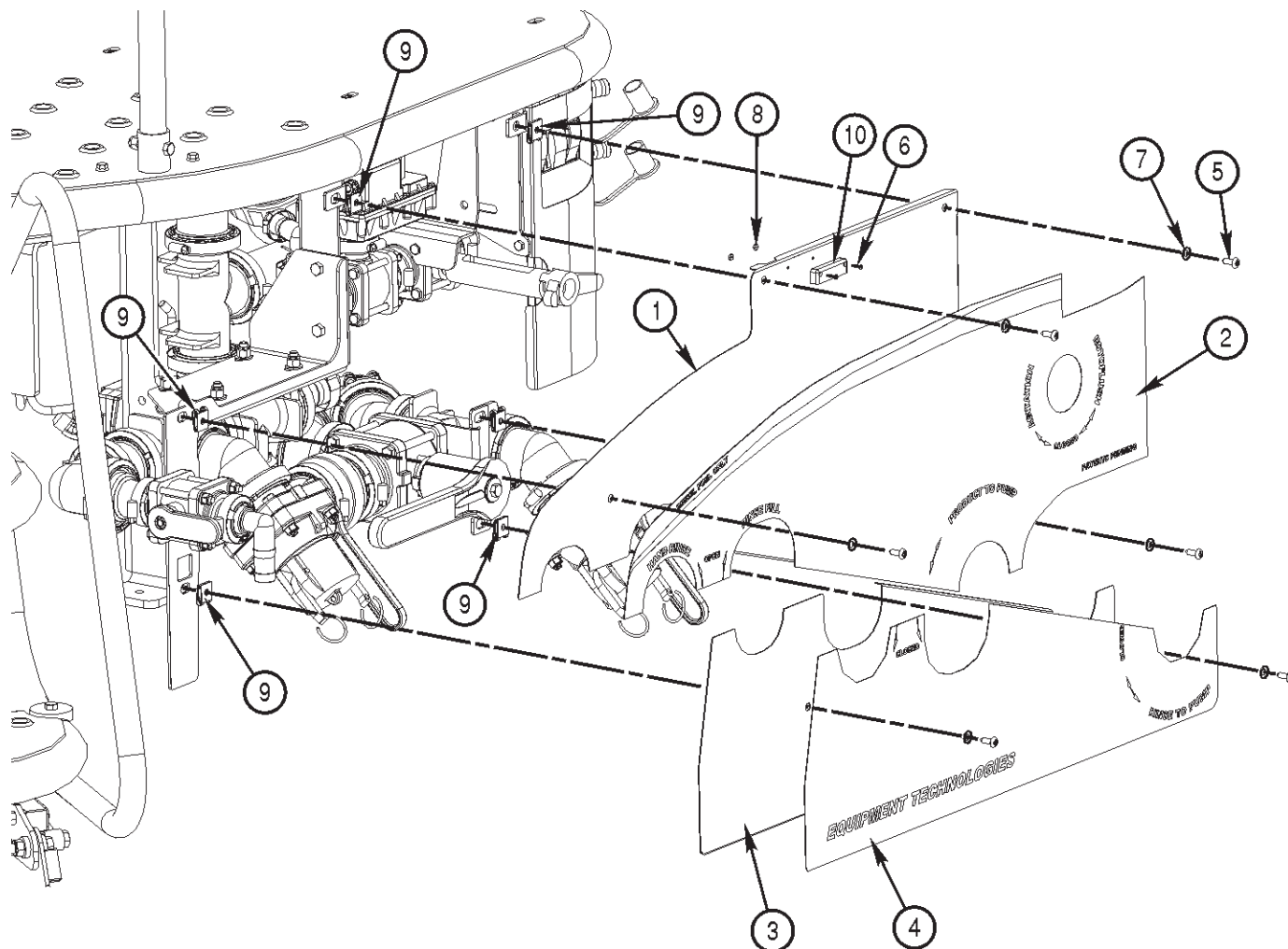
## All Models



| Item | Part Number | Qty | Description                      | Comments        |
|------|-------------|-----|----------------------------------|-----------------|
| 1A   | 680000027   | 1   | Gage 4" 0-160 PSI Boom Pressure  |                 |
| 1B   | 680000028   | 1   | Gage 4" 0-160 PSI Boom Agitation |                 |
| 2    | 690001305   | 1   | Bracket, Dual Gauge              |                 |
| 3    | 640020000   | 2   | Fitting, 1/4" Tube x 1/8" NPT 90 |                 |
| 4    | 900106537   | 2   | Bolt, 3/8-16 x 1" Flanged Head   |                 |
| 5    | 901003020   | 2   | Nut, Nylock 3/8-16 ZP            |                 |
|      | RM800150    |     | Hose, Air Line, NT 10004BK       | Used for Gauges |

# Fill Station

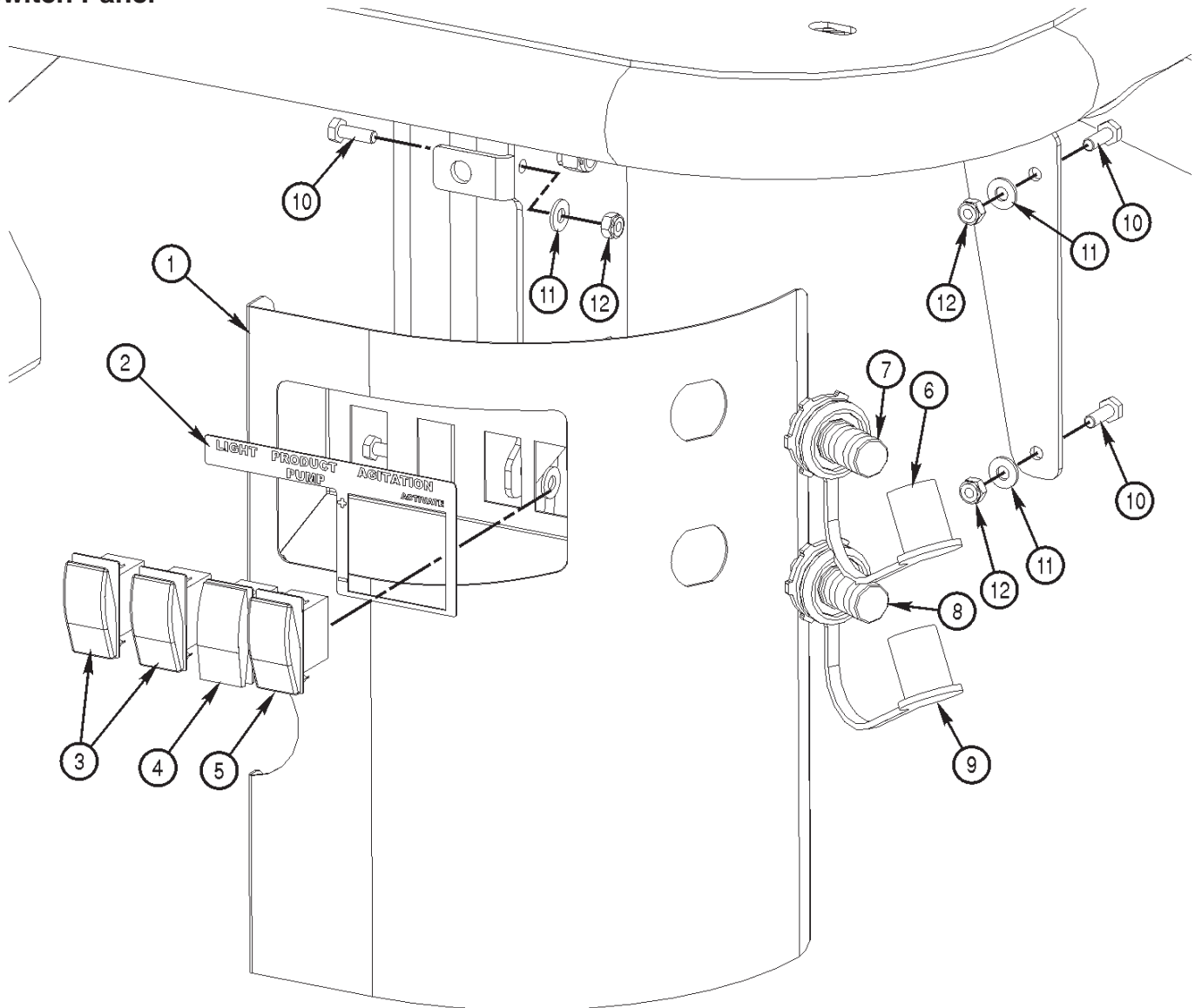
## Cover Panels



| Item | Part Number | Qty | Description                          | Comments |
|------|-------------|-----|--------------------------------------|----------|
| 1    | 690000031   | 1   | Panel, Fill Station, Upper           |          |
| 2    | 420306060   | 1   | Decal, Fill Station Upper            |          |
| 3    | 690000032   | 1   | Panel, Fill Station, Lower           |          |
| 4    | 420306061   | 1   | Decal, Fill Station Lower            |          |
| 5    | 915001309   | 6   | Screw, #14 x 1" Pan Head             |          |
| 6    | 903005284   | 2   | Screw, Phillips PH 6-32 x 3/4" Black |          |
| 7    | 902351001   | 6   | Washer, Black Cup                    |          |
| 8    | 903302607   | 2   | Nut, Nylock 6-32                     |          |
| 9    | 901003118   | 5   | U-Nut, # 14                          |          |
| 10   | 710000204   | 1   | Light, Fill Station 5 LED            |          |



## Switch Panel

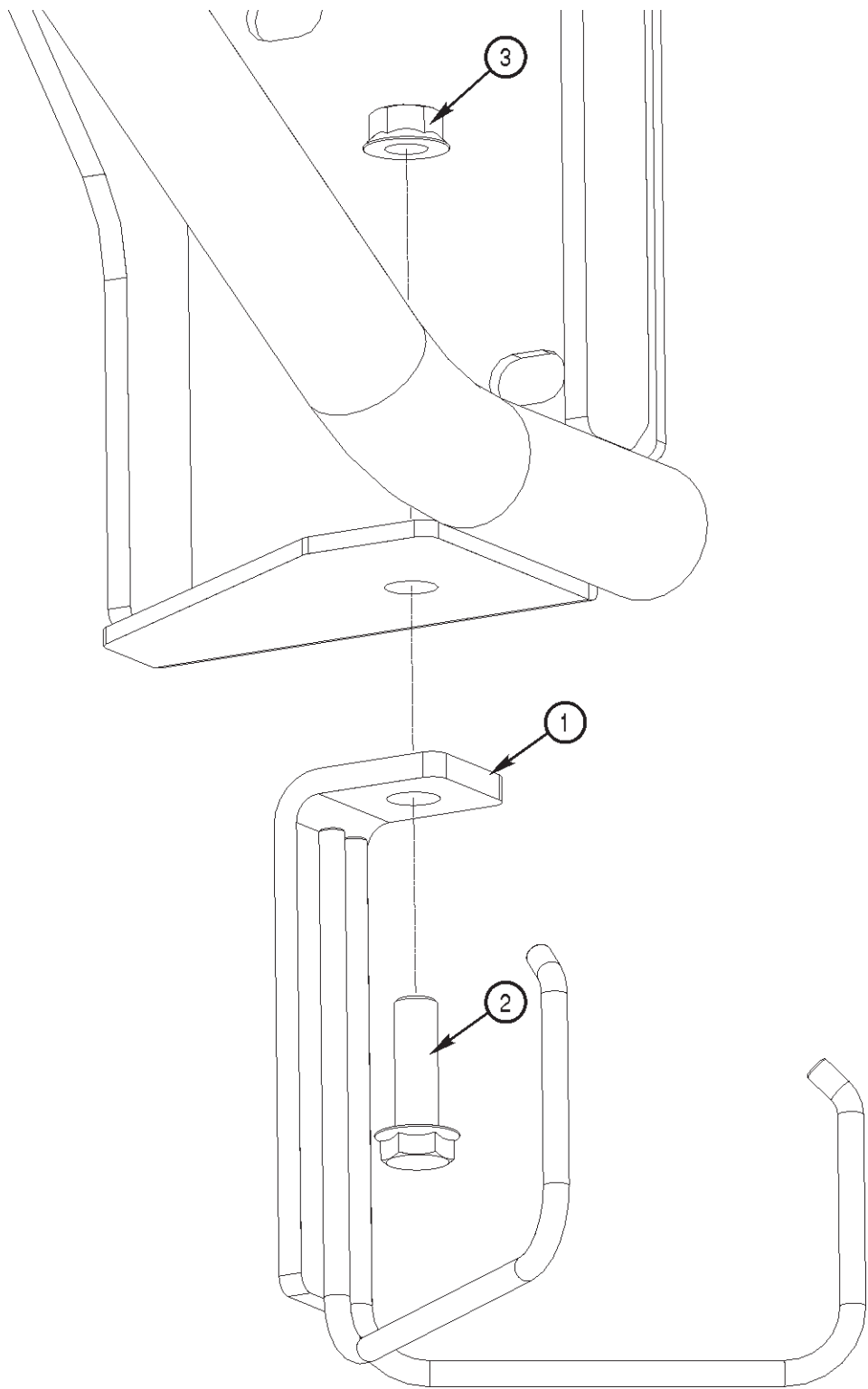


| Item | Part Number | Qty | Description                                      | Comments  |
|------|-------------|-----|--------------------------------------------------|-----------|
| 1    | 690000030   | 1   | Panel, Fill Station, Switch                      |           |
| 2    | 420306062   | 1   | Decal, Fill Station Switches                     |           |
| 3    | 700300066   | 2   | Switch, Remote product Pump                      |           |
| 4    | 700300001   | 1   | Switch, Agitation Fill Station Increase/Decrease |           |
| 5    | 700300000   | 1   | Switch, Agitation Over-ride Fill Station         |           |
| 6    | 720100013   | 1   | Cap, Black External Battery Terminal             |           |
| 7    | 720100009   | 1   | Terminal, External Battery Negative              |           |
| 8    | 720100008   | 1   | Terminal, External Battery Positive              |           |
| 9    | 720100012   | 1   | Cap, Red External Battery Terminal               |           |
| 10   | 900002395   | 3   | Bolt, HHCS 1/4-20 x 3/4 G5 ZP                    |           |
| 11   | 902003035   | 3   | Washer, Flat 1/4-20                              |           |
| 12   | 901003000   | 3   | Nut, Nylock 1/4-20 ZP                            |           |
|      | 720100025   | 1   | Cable, Battery Positive                          | Not shown |
|      | 720100021   | 1   | Cable, +12V to Starter                           | Not shown |
|      | 720100022   | 1   | Cable, +12V to External Post                     | Not shown |
|      | 720100023   | 1   | Cable, Battery Negative                          | Not shown |
|      | 720100024   | 1   | Cable, Negative to External Post                 | Not shown |



# Hose Hanger

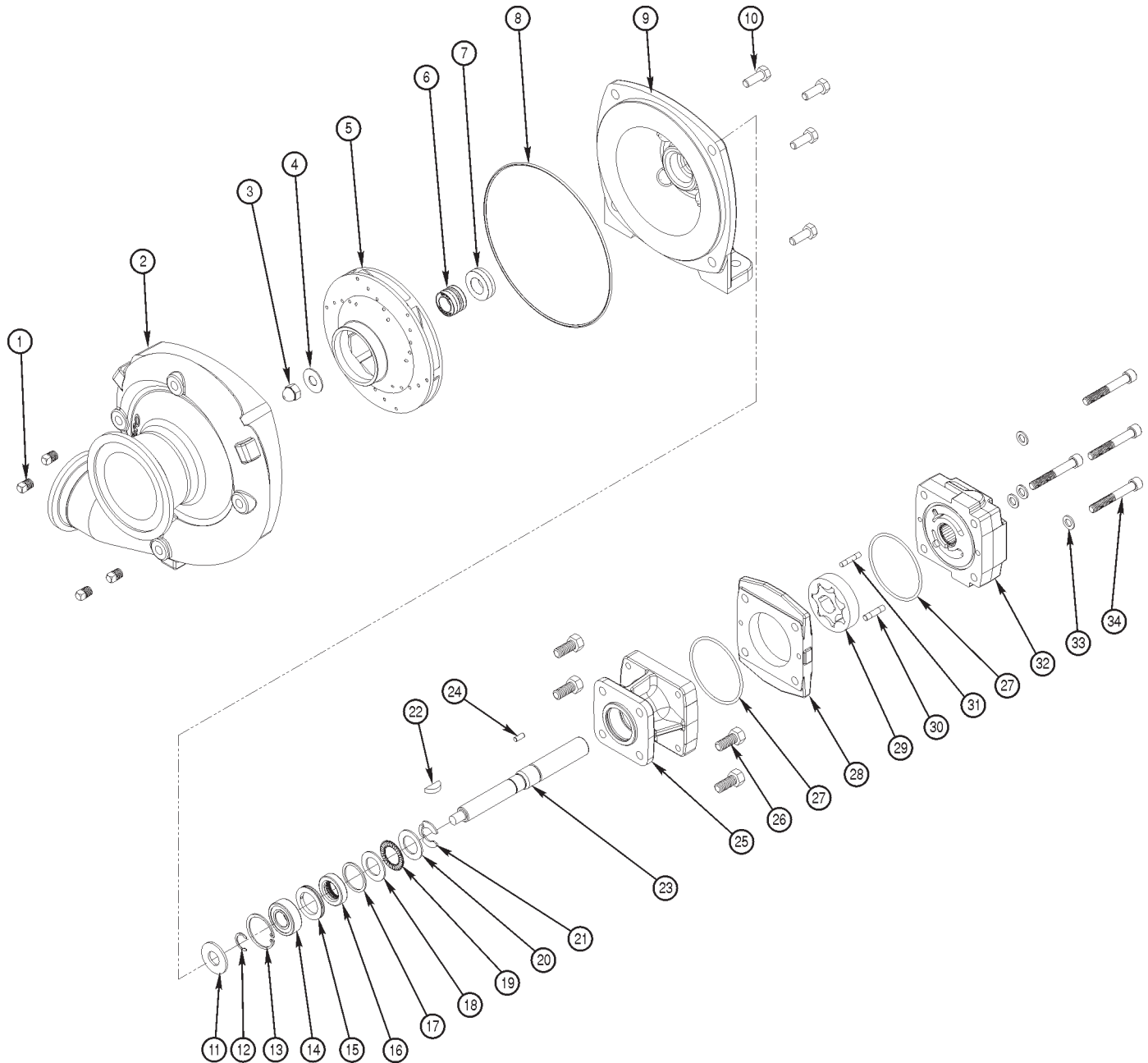
All Models



| Item | Part Number | Qty | Description                      | Comments |
|------|-------------|-----|----------------------------------|----------|
| 1    | 690000305   | 1   | Retainer, Product Hose Lower     |          |
| 2    | 100100001   | 1   | Bolt, Frame 5/8-11 x 2 Salt Bath |          |
| 3    | 100100004   | 1   | Nut, 5/8-11 Salt Bath            |          |

# Product Pump

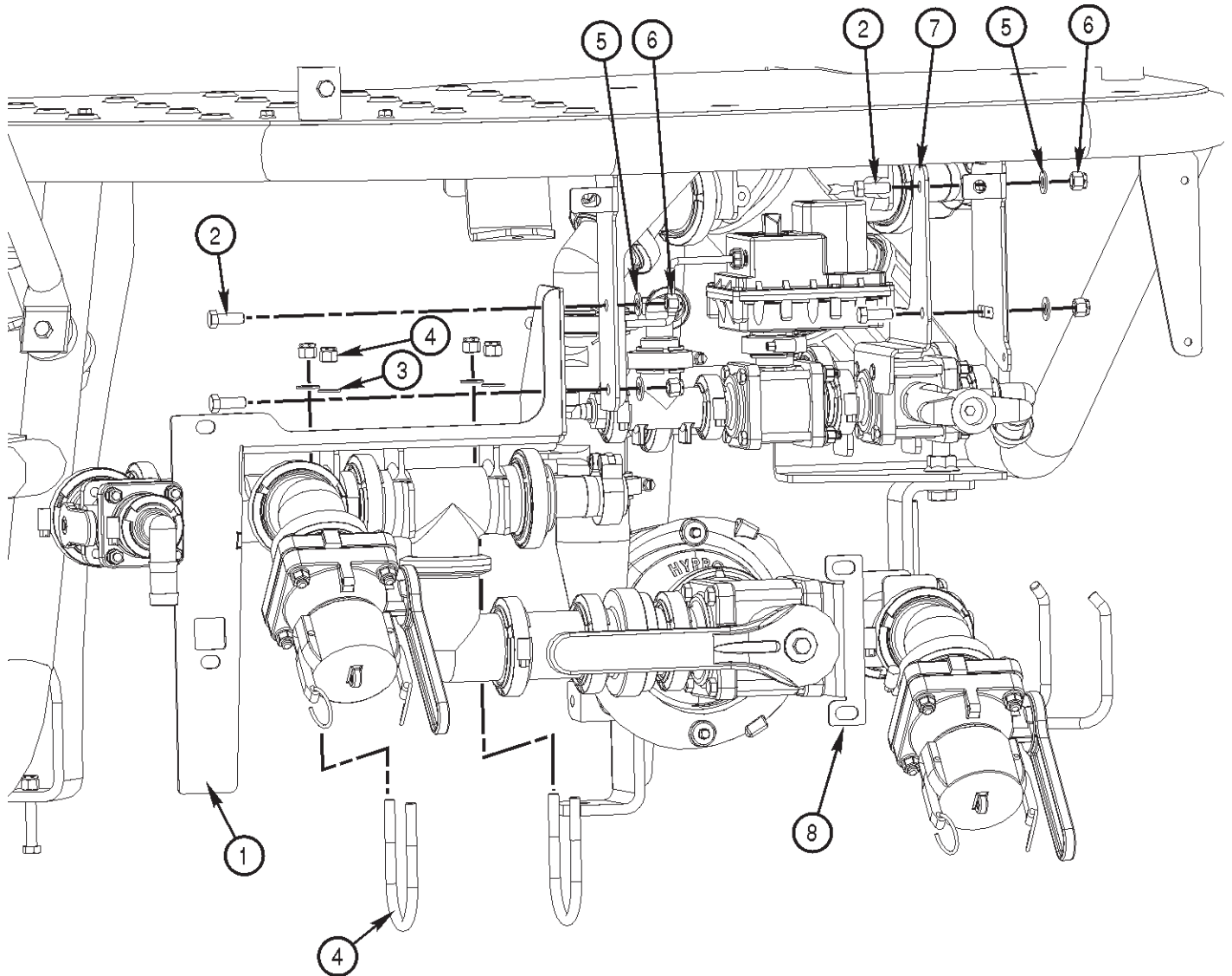
## All Models, Standard and Quick-Fill Plumbing



| Item | Part Number | Qty | Description                             | Comments                                |
|------|-------------|-----|-----------------------------------------|-----------------------------------------|
| 1    | 630000503   | 4   | Drain/Vent Plug                         |                                         |
| 2    | 630000601   | 1   | Pump Casing Flanged                     | Includes stainless steel wear ring      |
| 3    | 630000505   | 1   | Nut, Impeller                           |                                         |
| 4    | 630000506   | 1   | Washer, Stainless Steel                 |                                         |
| 5    | 630000507   | 1   | Impeller, Nylon, 30% Glass Filled       |                                         |
| 6    | NSS         | 1   | Mechanical Seal, Silicon Carbide        | Included with kit 630000501             |
| 7    | NSS         | 1   | Mechanical Seal                         | Included with kit 630000501             |
| 8    | 630000508   | 1   | O-Ring                                  |                                         |
| 9    | 630000509   | 1   | Mounting Flange                         |                                         |
| 10   | 630000510   | 4   | Hex Head Cap screw                      |                                         |
| 11   | 630000511   | 1   | Slinger Ring                            |                                         |
| 12   | 630000513   | 1   | Snap Ring                               |                                         |
| 13   | 630000512   | 1   | Retaining Ring                          |                                         |
| 14   | 630000514   | 1   | Ball Bearing                            |                                         |
| 15   | 630000515   | 1   | Spacer                                  |                                         |
| 16   | 630000516   | 1   | Shaft Seal, Spiral Lipped               |                                         |
| 17   | 630000517   | 1   | Seal Spacer                             |                                         |
| 18   | 630000518   | 1   | Thrust Bearing Assembly                 | 3 Pieces                                |
| 19   | NSS         |     |                                         | Included with 630000518                 |
| 20   | NSS         |     |                                         | Included with 630000518                 |
| 21   | 630000519   | 1   | Snap Ring                               |                                         |
| 22   | 630000520   | 1   | Woodruff Key                            |                                         |
| 23   | 630000522   | 1   | Shaft, Impeller                         |                                         |
| 24   | 630000521   | 1   | Roll Pin Key                            |                                         |
| 25   | 630000523   | 1   | Motor Body                              | Includes Main Bearing                   |
| 26   | 630000524   | 4   | Hex Head Cap screw                      |                                         |
| 27   | 630000525   | 2   | O-Ring                                  |                                         |
| 28   | 630000526   | 1   | Gerotor Housing                         |                                         |
| 29   | 630000529   | 1   | Gerotor                                 |                                         |
| 30   | 630000527   | 1   | Locating Pin                            |                                         |
| 31   | 630000528   | 1   | Locating Pin                            |                                         |
| 32   | 630000530   | 1   | Motor End Plate                         | Includes Main bearing                   |
| 33   | 630000531   | 4   | Washer                                  |                                         |
| 34   | 630000532   | 4   | Cap Screw                               |                                         |
|      |             |     |                                         |                                         |
|      | 630000600   | 1   | Complete Hypro Pump Assembly            | Model HM1C                              |
|      | 630000533   | A/R | Hydraulic Motor Assembly                | Includes Items # 11 through # 34        |
|      | 630000501   | A/R | Mechanical Seal Repair Kit              | Includes Items # 6 and # 8              |
|      | 630000535   | A/R | Parts Kit, Hydraulic Motor              | Includes Items # 14, # 16, and two # 27 |
|      | RM800150    | 25' | Hose, Air Vent                          | Order by the foot                       |
|      | 640020005   | 1   | Fitting, 1/4" Popit to 1/8 NPT Straight | Not shown                               |

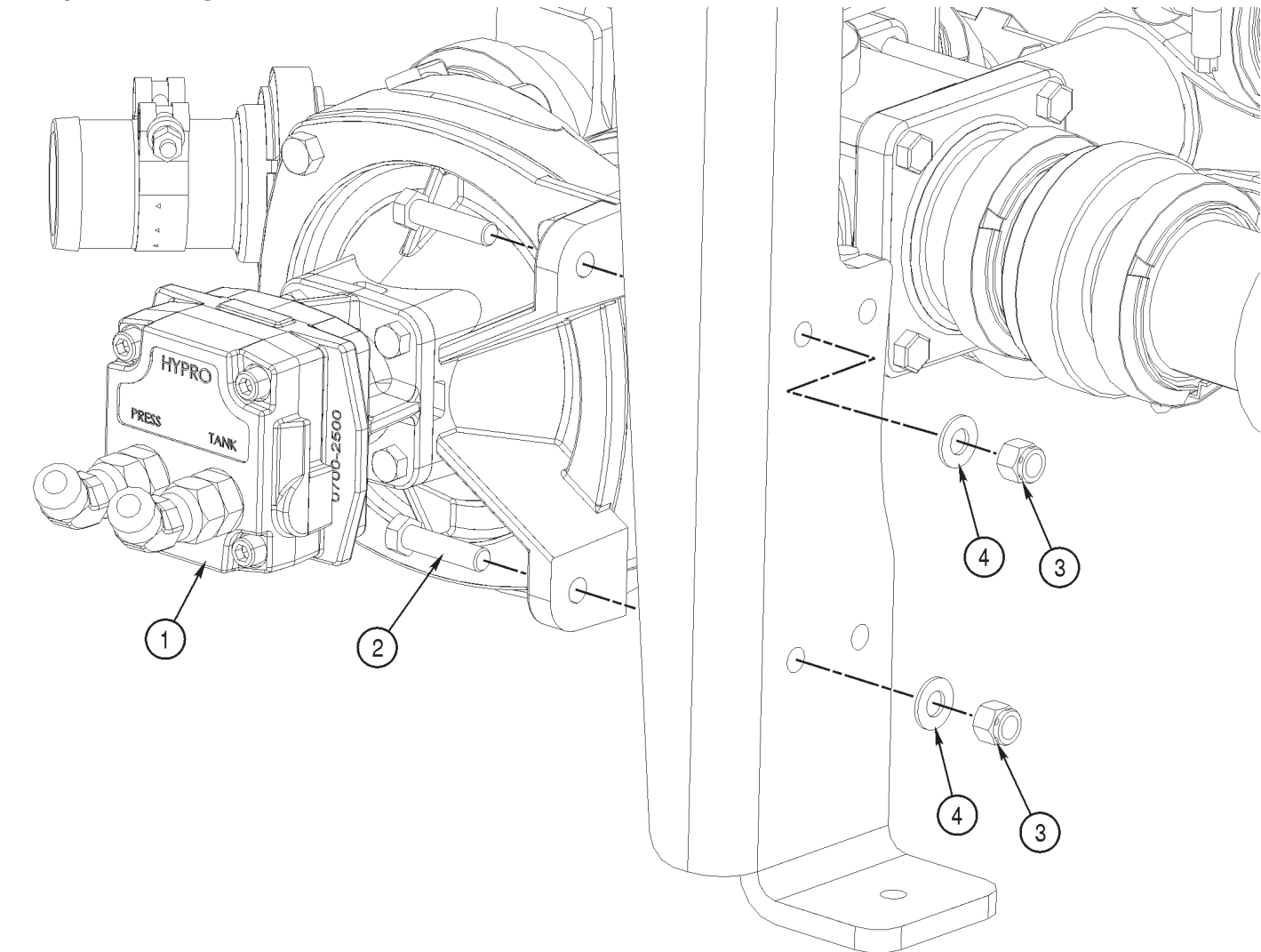
## Standard Plumbing

### Plumbing Mounting



| Item | Part Number | Qty | Description                    | Comments  |
|------|-------------|-----|--------------------------------|-----------|
| 1    | 690000033   | 1   | Bracket, Fill Station, Left    |           |
| 2    | 900002815   | 4   | Bolt, HHCS 3/8-16 x 1 G5 ZP    |           |
| 3    | 902003040   | 4   | Washer, Flat 5/16              |           |
| 4    | 901002568   | 2   | U-bolt, 5/16 x 2 1/2 x 4 3/16  |           |
| 5    | 902003200   | 4   | Washer, Flat 3/8               |           |
| 6    | 901003020   | 4   | Nut, Nylock 3/8-16             |           |
| 7    | 690000034   | 1   | Bracket, Fill Station, Right   |           |
| 8    | 690000036   | 1   | Bracket, Fill Station, Lower   |           |
|      | 690001829   | 1   | Hose, Product 2" x 40" Suction | Not shown |
|      | 690001830   | 1   | Hose, Rinse Tank 1.5" x 122"   | Not shown |
|      | 690001831   | 1   | Hose, Rack Supply 1.5" x 168"  | Not shown |

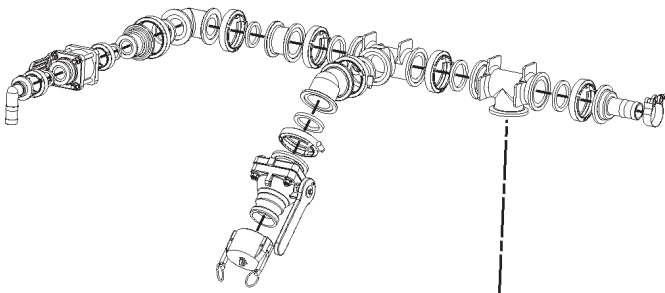
Pump Mounting



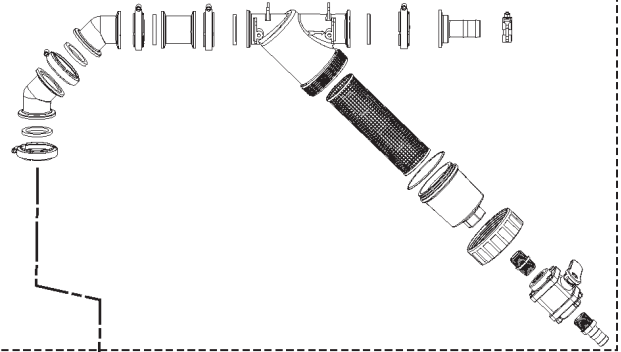
| Item | Part Number | Qty | Description                     | Comments |
|------|-------------|-----|---------------------------------|----------|
| 1    | 630000600   | 1   | Pump, Product 3" Hypro          |          |
| 2    | 900002835   | 2   | Bolt, HHCS 3/8-16 x 1 1/2 G5 ZP |          |
| 3    | 901003020   | 2   | Nut, Nylock 3/8-16              |          |
| 4    | 902003045   | 2   | Washer, Flat 3/8 ZP             |          |

## Fill Station Plumbing Overview

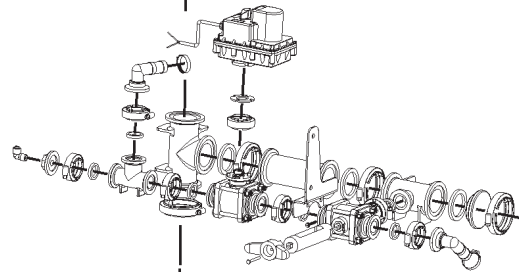
PAGE 7-11



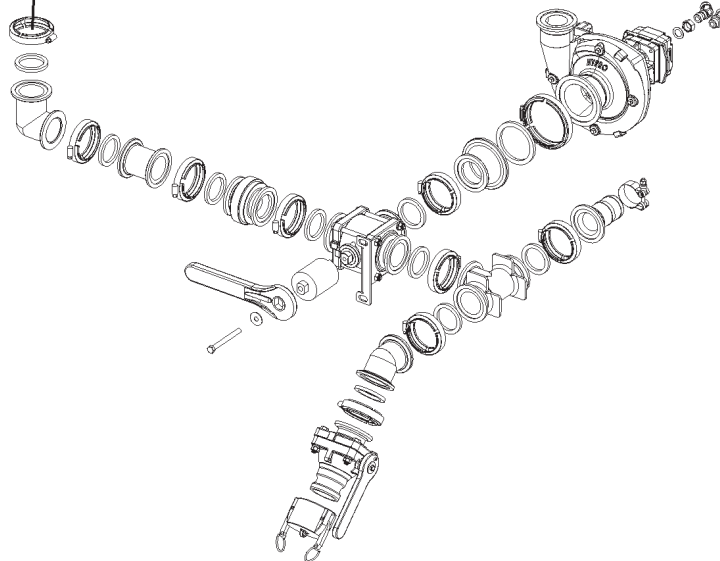
PAGE 7-13



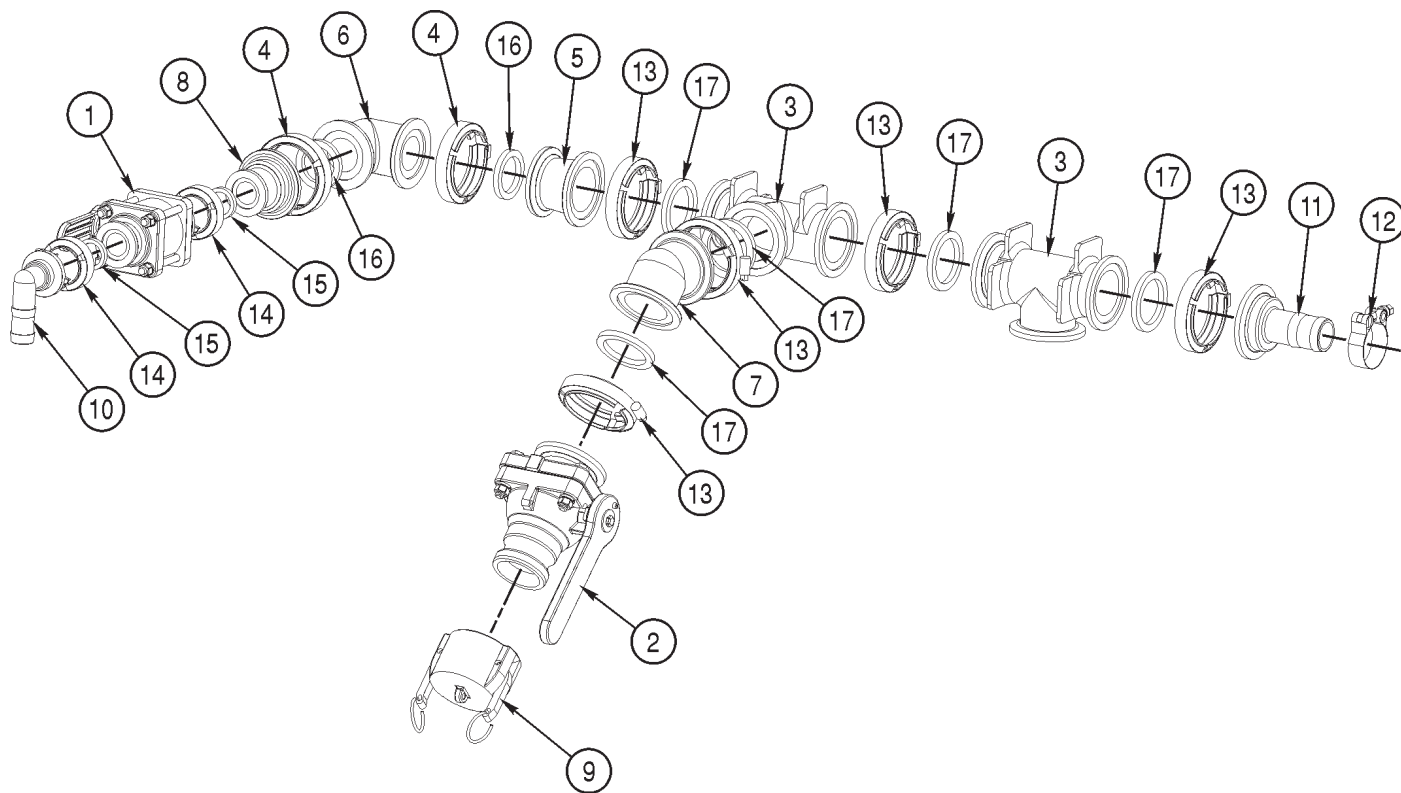
PAGE 7-14



PAGE 7-12

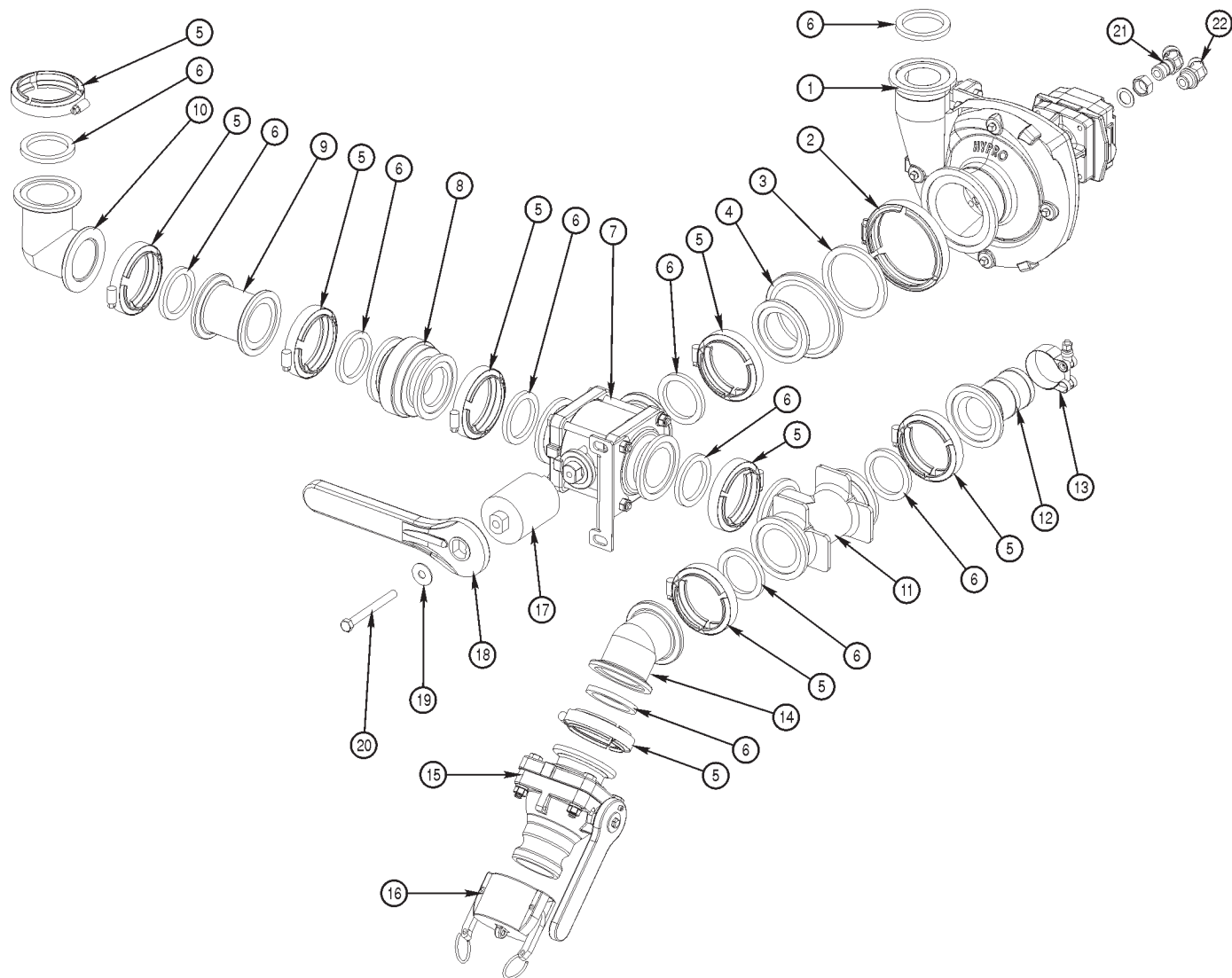


## Detail 1



| Item | Part Number | Qty | Description                             | Comments |
|------|-------------|-----|-----------------------------------------|----------|
| 1    | 640100077   | 1   | Valve, Ball 1" Banjo                    |          |
| 2    | 640100208   | 1   | Valve 2" FP To QDC Stubby               |          |
| 3    | 640100002   | 2   | Fitting, Tee 2" FP Banjo                |          |
| 4    | 640100013   | 2   | Clamp, 2" Standard Port Banjo           |          |
| 5    | 640100073   | 1   | Fitting, Reducer 220 x 200 Banjo        |          |
| 6    | 640100143   | 1   | Coupling, 90 Degree Flange 2" SP Short  |          |
| 7    | 640000042   | 1   | Fitting, FP 2" 45 Banjo                 |          |
| 8    | 640100007   | 1   | Fitting, Reducer 2"-1" Banjo            |          |
| 9    | 640000150   | 1   | Cap, 2" Poly                            |          |
| 10   | 640100023   | 1   | Fitting, 1" Barb x 1 Flange 90 Banjo    |          |
| 11   | 640100039   | 1   | Fitting, 2" FP x 1 1/2" Hose Barb Banjo |          |
| 12   | 915003175   | 1   | Clamp, 1 5/16" TC 181                   |          |
| 13   | 640100011   | 5   | Clamp, 2" Full Port Banjo               |          |
| 14   | 640100015   | 2   | Clamp, 1" Banjo                         |          |
| 15   | 640100016   | 2   | Gasket, 1" Banjo                        |          |
| 16   | 640100014   | 2   | Gasket, 2" Standard Port Banjo          |          |
| 17   | 640100012   | 5   | Gasket, 220 Full Port Banjo             |          |

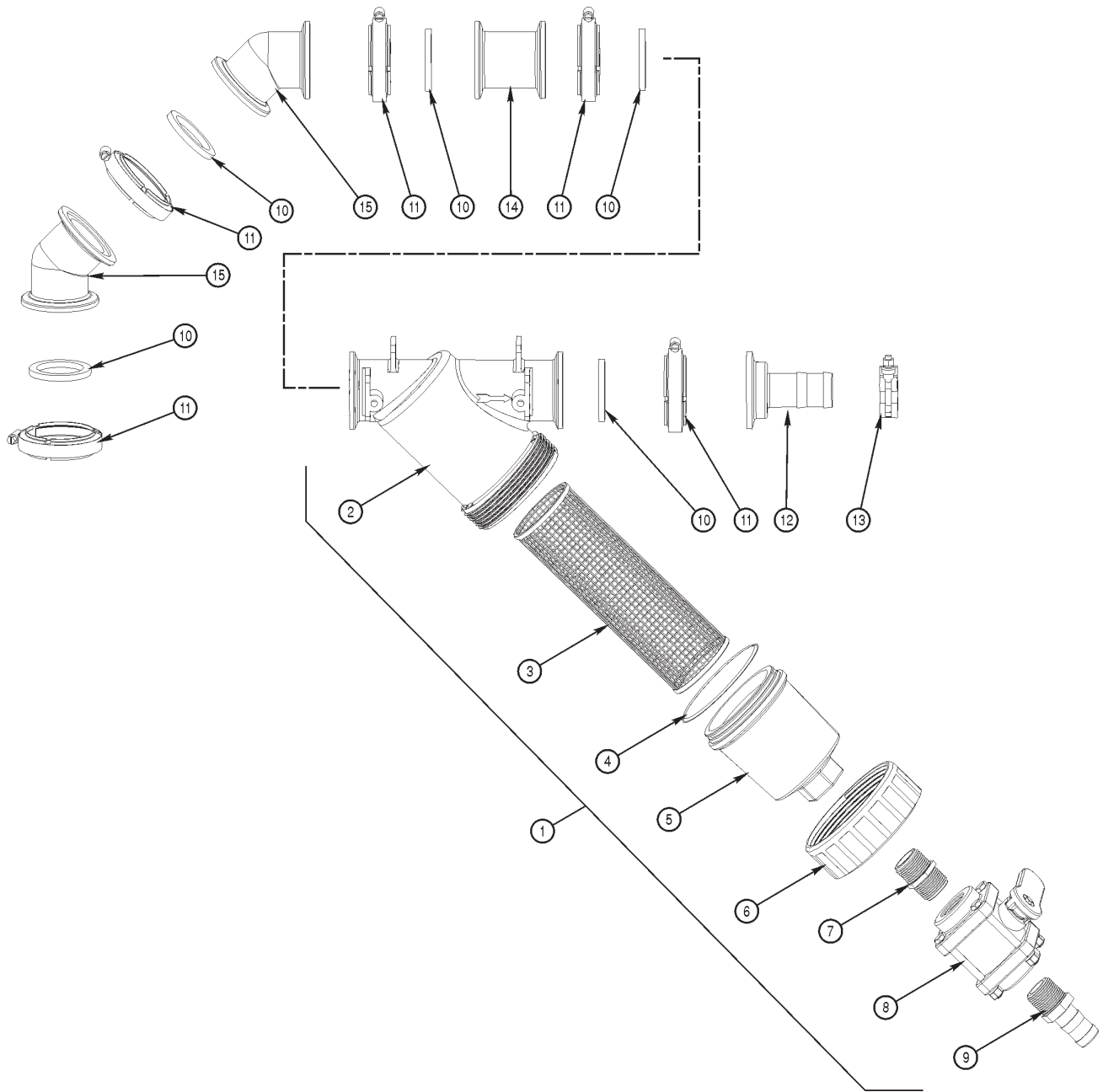
## Detail 2



| Item | Part Number | Qty | Description                                 | Comments |
|------|-------------|-----|---------------------------------------------|----------|
| 1    | 630000600   | 1   | Pump, Product 3" Hypro                      |          |
| 2    | 640100027   | 1   | Clamp, 3" Banjo                             |          |
| 3    | 640100028   | 1   | Gasket, 300 EPDM Banjo                      |          |
| 4    | 640100047   | 1   | Fitting, 3 x 2 Flange Full Port Reducer     |          |
| 5    | 640100011   | 9   | Clamp, 2" Full Port Banjo                   |          |
| 6    | 640100012   | 10  | Gasket, 220 Full Port Banjo                 |          |
| 7    | 640100060   | 1   | Valve, 2" 3 Way Full FL Banjo               |          |
| 8    | 640100134   | 1   | Valve, Check Banjo Flanged                  |          |
| 9    | 640100042   | 1   | Fitting, Extension 2" FP Banjo              |          |
| 10   | 640100003   | 1   | Fitting, Elbow 90 2" Banjo                  |          |
| 11   | 640100002   | 1   | Fitting, Tee 2" FP Banjo                    |          |
| 12   | 640100005   | 1   | Fitting, 2 Hose Barb Banjo                  |          |
| 13   | 915003300   | 1   | Clamp, 2" TC 231                            |          |
| 14   | 640000042   | 1   | Fitting, FP 2" 45 Banjo                     |          |
| 15   | 640100208   | 1   | Valve 2" FP To QDC Stubby                   |          |
| 16   | 640000150   | 1   | Cap, 2" Poly                                |          |
| 17   | 690000039   | 1   | Riser, MV220BL                              |          |
| 18   | 640100149   | 1   | Handle, Straight Banjo, 2" and 3" BL Valves |          |
| 19   | 640100151   | 1   | Washer, SS Banjo Handle                     |          |
| 20   | 900002855   | 1   | Bolt, HHCS 3/8-16 x 2 1/2 G5 ZP             |          |
| 21   | 800302503   | 1   | Fitting, 10 FLM x 10 ORM 45                 |          |
| 22   | 800302502   | 1   | Fitting, 8 FLM x 8 ORM 45                   |          |

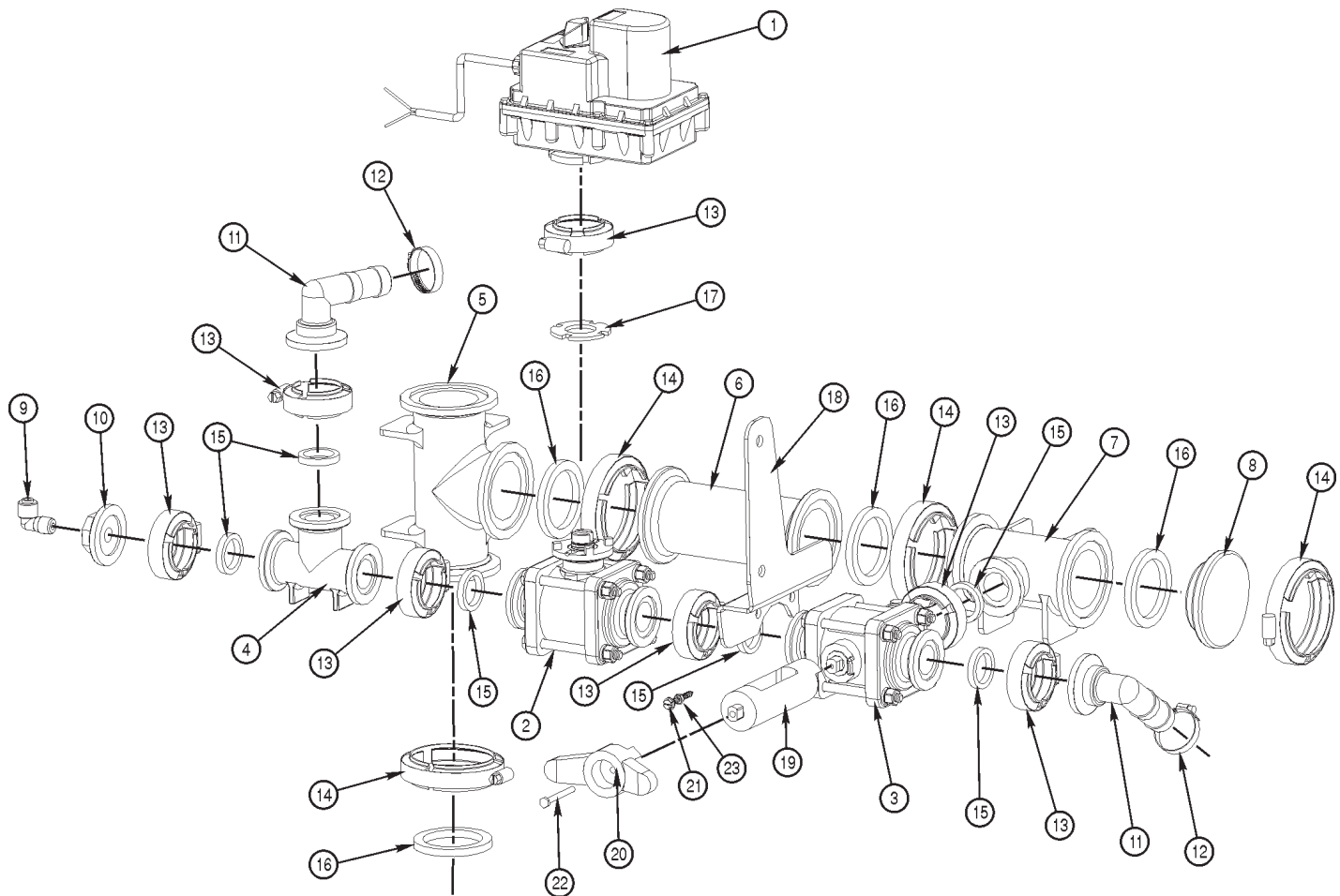


### Detail 3



| Item | Part Number | Qty | Description                                   | Comments                    |
|------|-------------|-----|-----------------------------------------------|-----------------------------|
| 1    | 640100209   | 1   | Assembly, Strainer "Y" Manifold 2" FP 50 Mesh | Includes items 2 through 9. |
| 2    | 640400029   | 1   | 2" Flanged Y Strainer - Body Only             |                             |
| 3    | 640400020   | 1   | Screen, Strainer 2" Y Full Port 50 Mesh       |                             |
| 4    | 640400024   | 1   | Gasket, Body 2" Main                          |                             |
| 5    | 640400028   | 1   | 2" Flanged Y Strainer Cap                     |                             |
| 6    | 640400027   | 1   | 2" Flanged Y Strainer Ring                    |                             |
| 7    | 640000720   | 1   | Nipple, 1" Short Poly                         |                             |
| 8    | 640001575   | 1   | Valve, 1" Full Port Poly                      |                             |
| 9    | 640000420   | 1   | Hose Barb 1"                                  |                             |
| 10   | 640100012   | 5   | Gasket, 220 Full Port Banjo                   |                             |
| 11   | 640100011   | 5   | Clamp, 2" Full Port Banjo                     |                             |
| 12   | 640100039   | 1   | Fitting, 2" FP x 1 1/2" Hose Barb Banjo       |                             |
| 13   | 915003175   | 1   | Clamp, 1 5/16 TC 181                          |                             |
| 14   | 640100042   | 1   | Fitting, Extension 2" FP Banjo                |                             |
| 15   | 640000042   | 2   | Fitting, FP 2" 45 Banjo                       |                             |

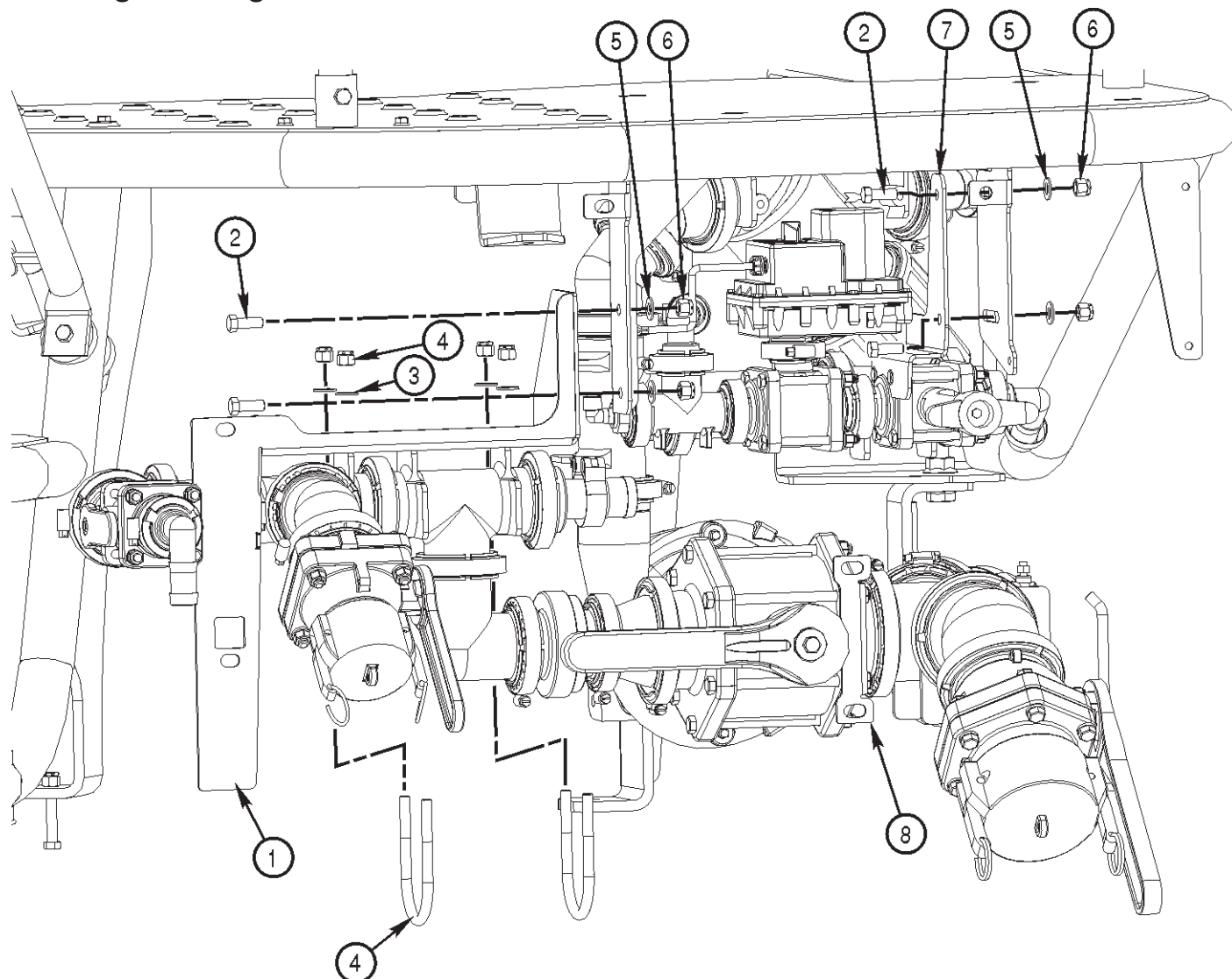
## Detail 4



| Item | Part Number | Qty | Description                            | Comments                     |
|------|-------------|-----|----------------------------------------|------------------------------|
| 1A   | 660000300   | 1   | Valve Assembly, Agitation Banjo        |                              |
| 1B   | 660000301   | 1   | Motor, Only Agitation                  |                              |
| 2    | 660000302   | 1   | Ball Valve Only, Agitation             |                              |
| 3    | 640400010   | 1   | Valve, 3-Way 1"                        |                              |
| 4    | 640100024   | 1   | Fitting, 1" Flange Tee Banjo           |                              |
| 5    | 640100002   | 1   | Fitting, 2" Flange Tee Banjo           |                              |
| 6    | 640100206   | 1   | Fitting, Coupling 2" FP Straight 6"    |                              |
| 7    | 640400007   | 1   | Tee 2" Full Port To 1"                 |                              |
| 8    | 640400018   | 1   | Fitting, Flange Plug 2" Full Port      |                              |
| 9    | 640020000   | 1   | Fitting, 1/4 Popit 90 Degree           |                              |
| 10   | 640400011   | 1   | Cap 1" With 1/4" Port                  |                              |
| 11   | 640100023   | 1   | Fitting, 1 Barb x 1 Flange 90 Banjo    |                              |
| 12   | 915000500   | 2   | Clamp, Screw #16 x 1"                  |                              |
| 13   | 640100015   | 7   | Clamp, 1" Banjo                        |                              |
| 14   | 640100011   | 4   | Clamp 2" Full Port Banjo               |                              |
| 15   | 640100016   | 6   | Gasket, 1" Banjo                       |                              |
| 16   | 640100012   | 4   | Gasket, 220 Full Port Banjo            |                              |
| 17   | 660000305   | 1   | Gasket                                 | Between ball valve and motor |
| 18   | 690000034   | 1   | Bracket, Fill Station Right            |                              |
| 19   | 690000037   | 1   | Riser, MV100BL                         |                              |
| 20   | 640100150   | 1   | Handle, Tee Banjo, 1" BL Valve         |                              |
| 21   | 900002439   | 1   | Screw, 10-24 x 1 3/4" Buttonhead       |                              |
| 22   | 903302609   | 1   | Screw, Tek 5/16 x 1 1/4" SS Hex Washer |                              |
| 23   | 901002899   | 1   | Nut, Nylock 10-24 ZP                   |                              |

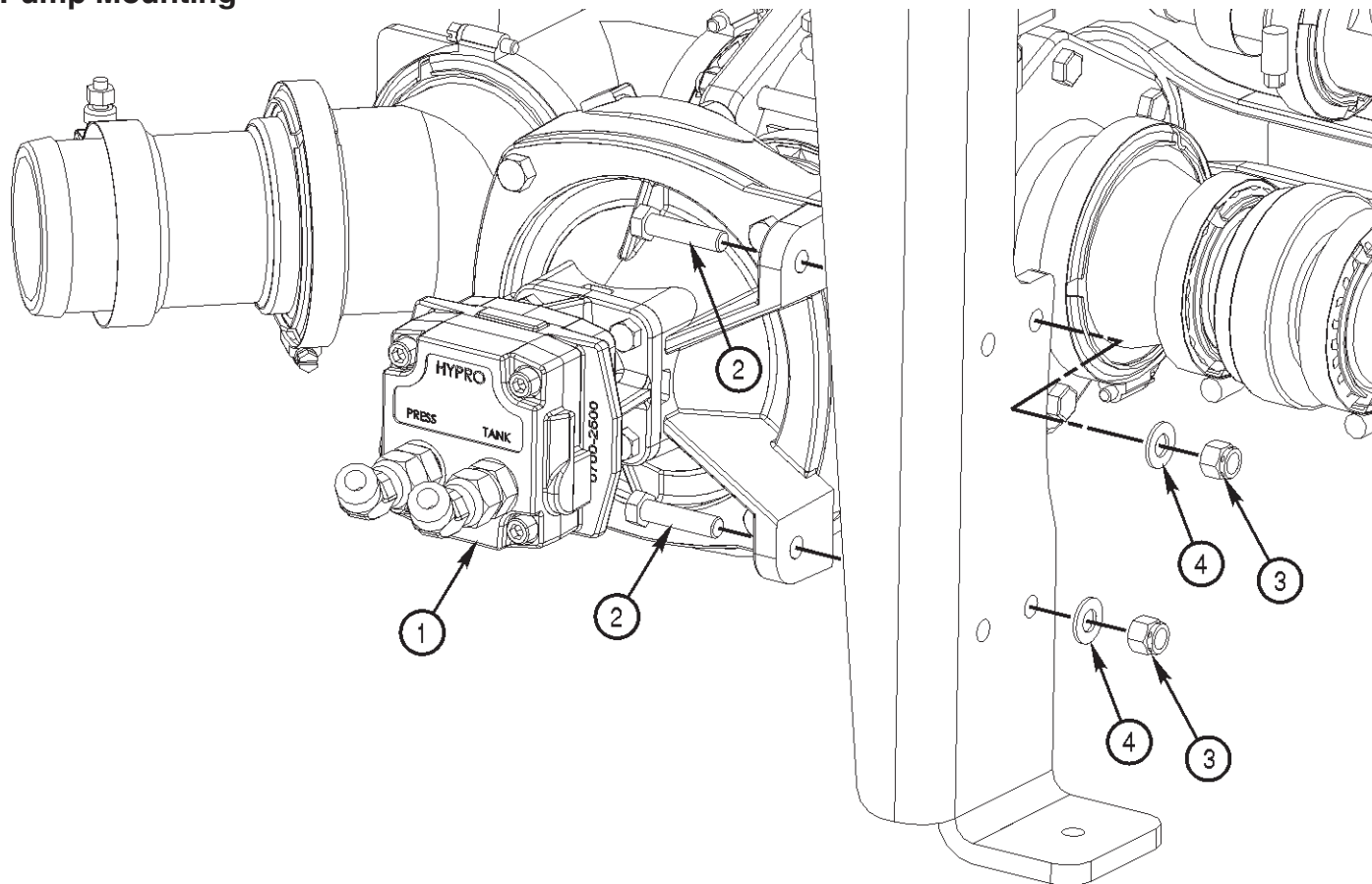
## Quick-Fill Plumbing

### Plumbing Mounting



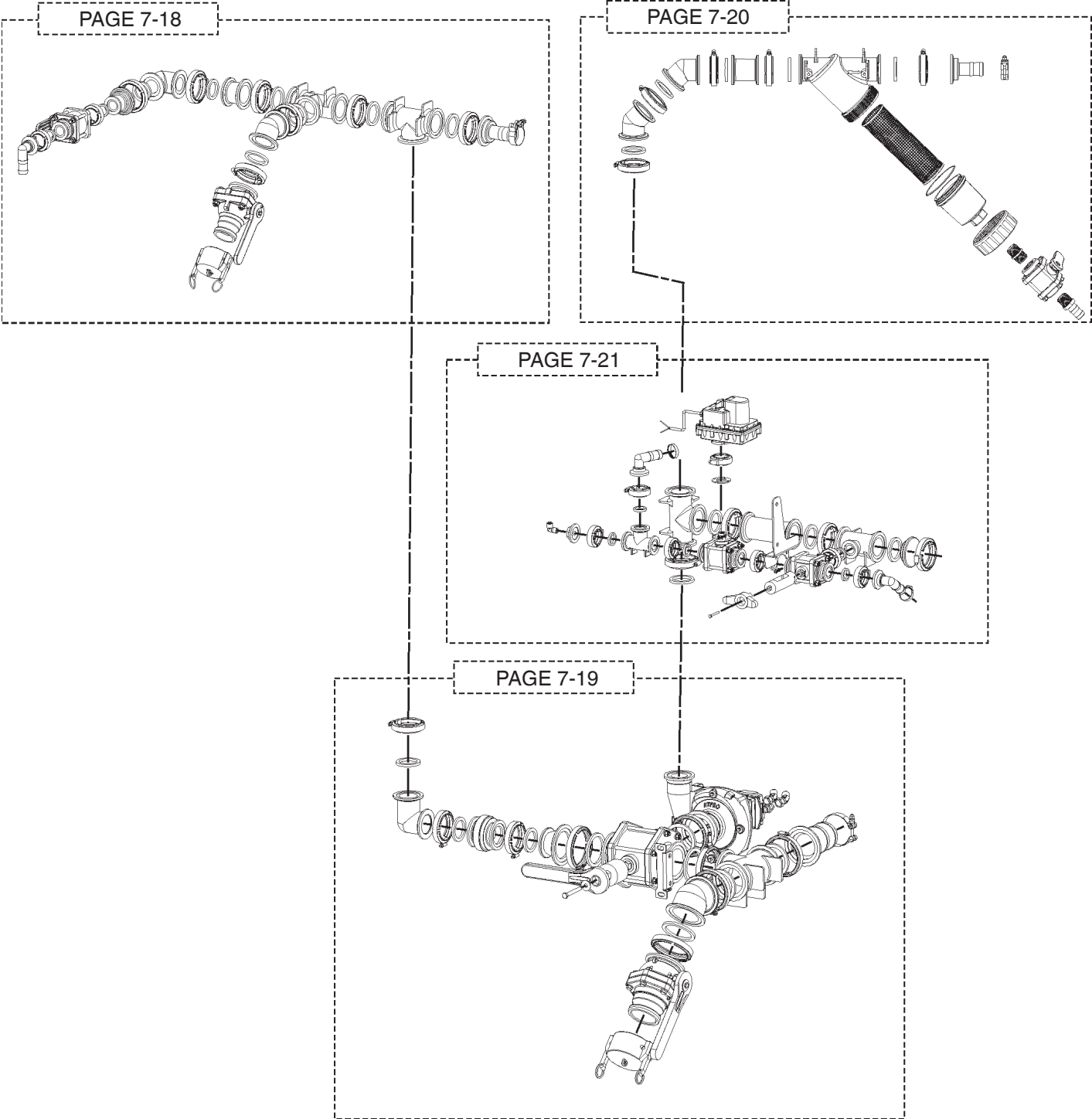
| Item | Part Number | Qty | Description                    | Comments  |
|------|-------------|-----|--------------------------------|-----------|
| 1    | 690000033   | 1   | Bracket, Fill Station, Left    |           |
| 2    | 900002815   | 4   | Bolt, HHCS 3/8-16 x 1 G5 ZP    |           |
| 3    | 902003040   | 4   | Washer, Flat 5/16              |           |
| 4    | 901002568   | 2   | U-bolt, 5/16 x 2 1/2 x 4 3/16  |           |
| 5    | 902003200   | 4   | Washer, Flat 3/8               |           |
| 6    | 901003020   | 4   | Nut, Nylock 3/8-16             |           |
| 7    | 690000034   | 1   | Bracket, Fill Station, Right   |           |
| 8    | 690000036   | 1   | Bracket, Fill Station, Lower   |           |
|      | 690001829   | 1   | Hose, Product 2" x 40" Suction | Not shown |
|      | 690001830   | 1   | Hose, Rinse Tank 1.5" x 122"   | Not shown |
|      | 690001831   | 1   | Hose, Rack Supply 1.5" x 168"  | Not shown |

## Pump Mounting

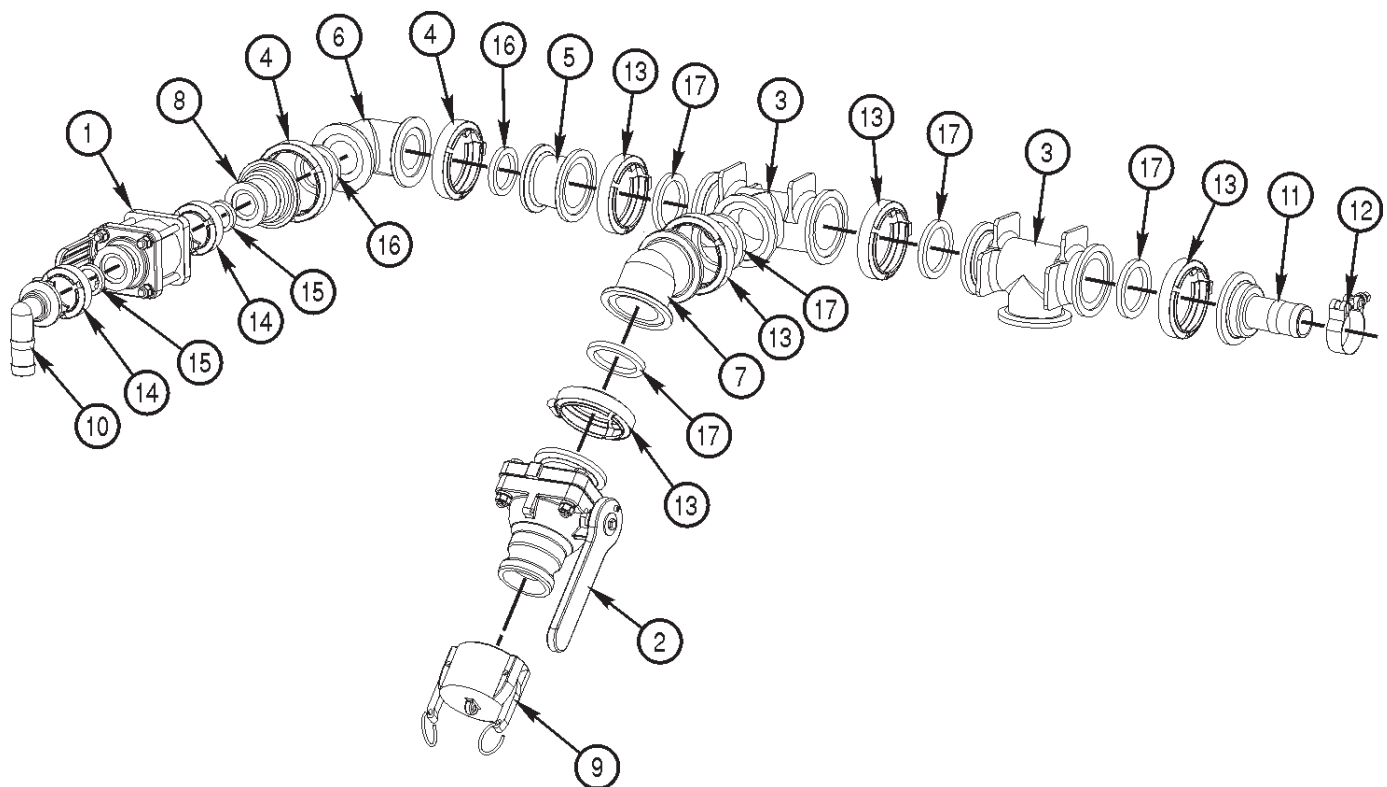


| Item | Part Number | Qty | Description                     | Comments |
|------|-------------|-----|---------------------------------|----------|
| 1    | 630000600   | 1   | Pump, Product 3" Hypro          |          |
| 2    | 900002835   | 2   | Bolt, HHCS 3/8-16 x 1 1/2 G5 ZP |          |
| 3    | 901003020   | 2   | Nut, Nylock 3/8-16              |          |
| 4    | 902003045   | 2   | Washer, Flat 3/8 ZP             |          |

Fill Station Plumbing Overview

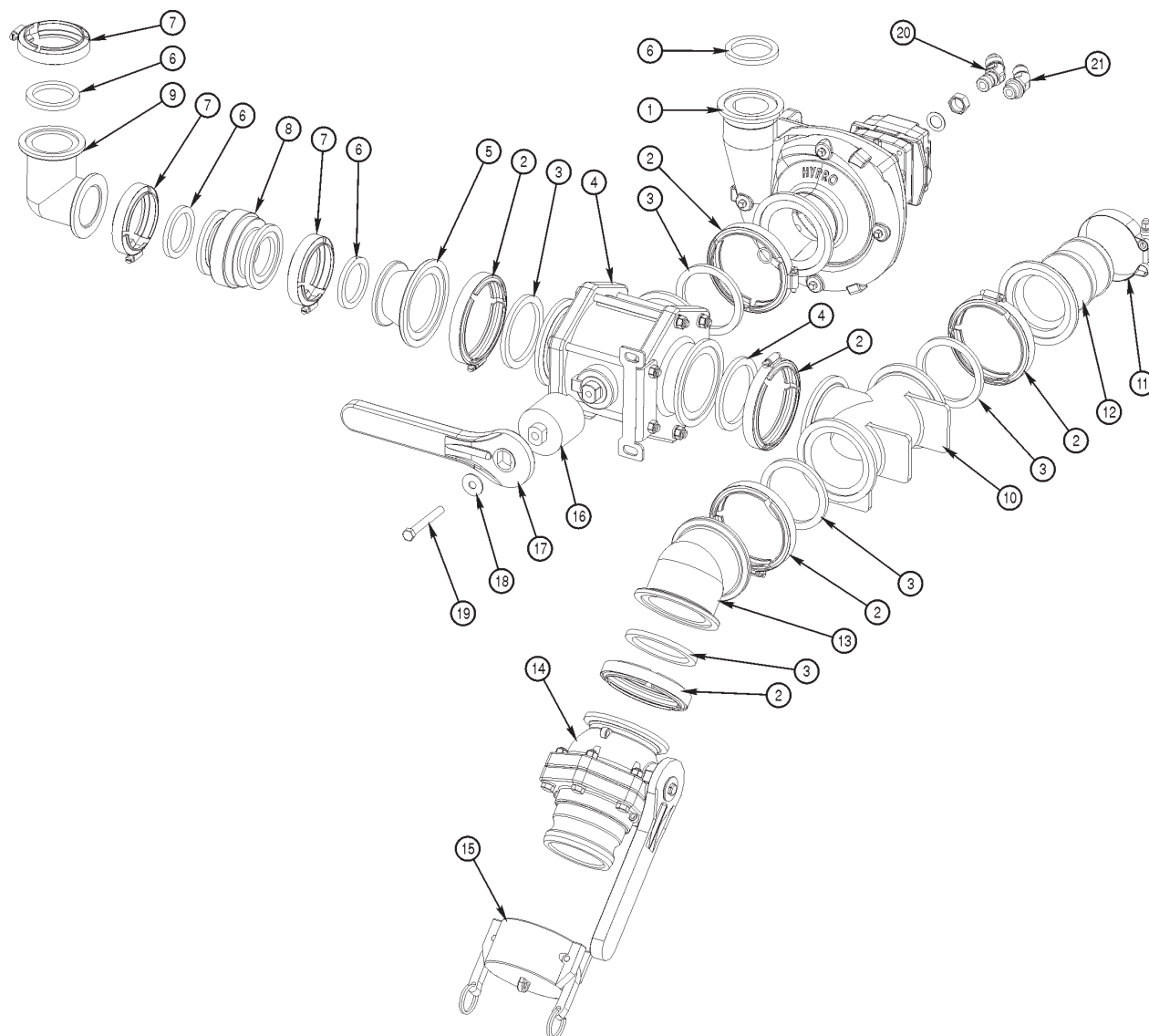


## Detail 1



| Item | Part Number | Qty | Description                             | Comments |
|------|-------------|-----|-----------------------------------------|----------|
| 1    | 640100077   | 1   | Valve, Ball 1" Banjo                    |          |
| 2    | 640100208   | 1   | Valve 2" FP To QDC Stubby               |          |
| 3    | 640100002   | 2   | Fitting, Tee 2" FP Banjo                |          |
| 4    | 640100013   | 2   | Clamp, 2" Standard Port Banjo           |          |
| 5    | 640100073   | 1   | Fitting, Reducer 220 x 200 Banjo        |          |
| 6    | 640100143   | 1   | Coupling, 90 Degree Flange 2" SP Short  |          |
| 7    | 640000042   | 1   | Fitting, FP 2" 45 Banjo                 |          |
| 8    | 640100007   | 1   | Fitting, Reducer 2"-1" Banjo            |          |
| 9    | 640000150   | 1   | Cap, 2" Poly                            |          |
| 10   | 640100023   | 1   | Fitting, 1" Barb x 1 Flange 90 Banjo    |          |
| 11   | 640100039   | 1   | Fitting, 2" FP x 1 1/2" Hose Barb Banjo |          |
| 12   | 915003175   | 1   | Clamp, 1 5/16" TC 181                   |          |
| 13   | 640100011   | 5   | Clamp, 2" Full Port Banjo               |          |
| 14   | 640100015   | 2   | Clamp, 1" Banjo                         |          |
| 15   | 640100016   | 2   | Gasket, 1" Banjo                        |          |
| 16   | 640100014   | 2   | Gasket, 2" Standard Port Banjo          |          |
| 17   | 640100012   | 5   | Gasket, 220 Full Port Banjo             |          |

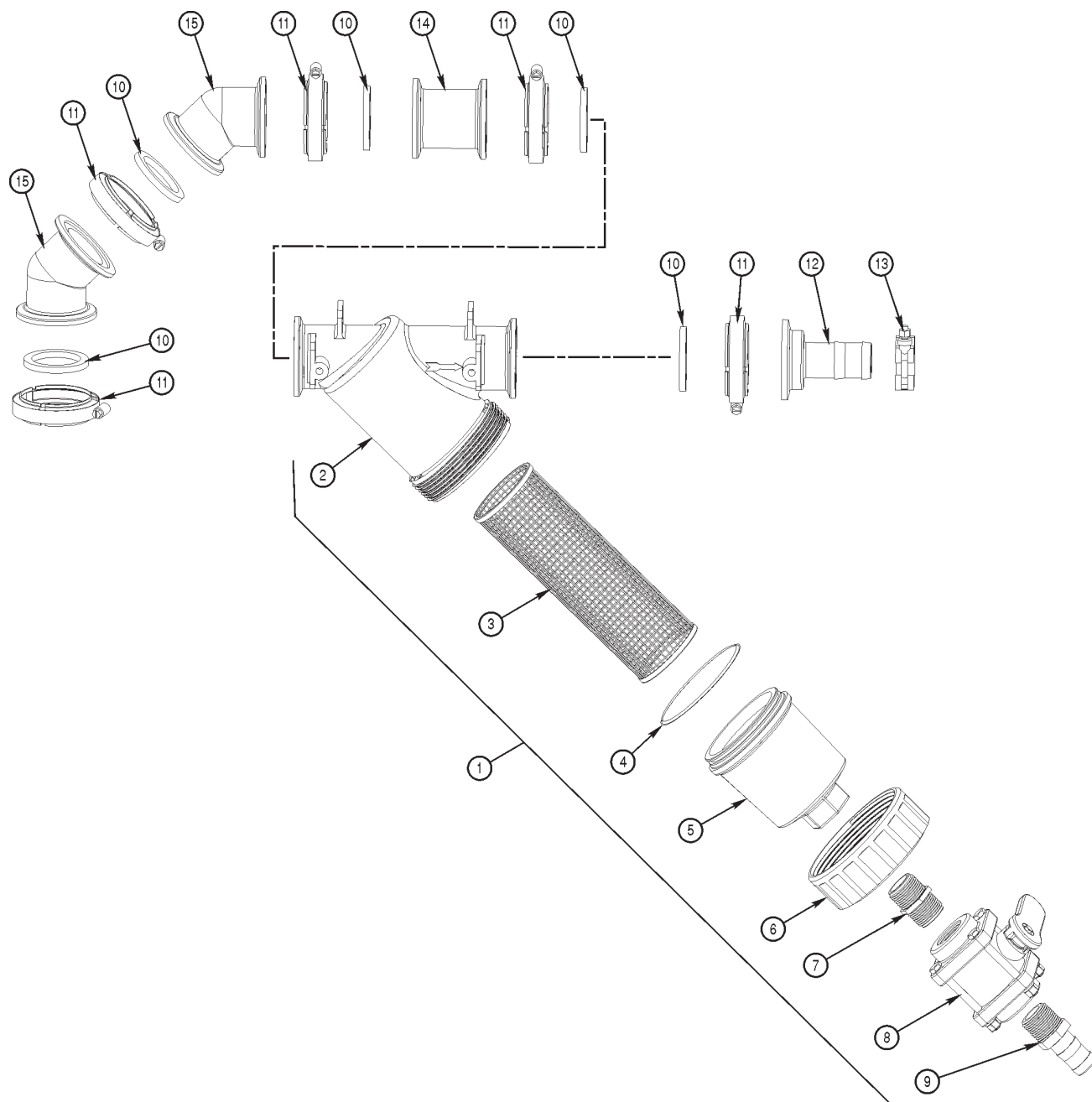
## Detail 2



| Item | Part Number | Qty | Description                                 | Comments |
|------|-------------|-----|---------------------------------------------|----------|
| 1    | 630000600   | 1   | Pump, Product 3" Hypro                      |          |
| 2    | 640100028   | 6   | Clamp, 3" Banjo                             |          |
| 3    | 640100027   | 6   | Gasket, 300 EPDM Banjo                      |          |
| 4    | 640100212   | 1   | Valve 3" Manifold Bottom Load               |          |
| 5    | 640100047   | 1   | Fitting, 3 x 2 Flange Full Port Reducer     |          |
| 6    | 640100012   | 4   | Gasket, 220 Full Port Banjo                 |          |
| 7    | 640100011   | 3   | Clamp, 2" Full Port Banjo                   |          |
| 8    | 640100134   | 1   | Valve, Check Banjo Flanged                  |          |
| 9    | 640100003   | 1   | Fitting, Elbow 90 2" Banjo                  |          |
| 10   | 640100052   | 1   | Fitting 3" Flange Tee Banjo                 |          |
| 11   | 915003302   | 1   | Clamp T-Bolt 3" 3.75/4.25 Dixon             |          |
| 12   | 640100048   | 1   | Fitting, 3" Flange 3" HB Banjo              |          |
| 13   | 640100116   | 1   | Fitting, Flange Coupling 45 Degree Elbow 3" |          |
| 14   | 640100213   | 1   | Valve 3" FP To QDC Stubby                   |          |
| 15   | 640100118   | 1   | Cap For Cam Lever Male Adapter 3"           |          |
| 16   | 690000040   | 1   | Riser, MV300BL, QF                          |          |
| 17   | 640100149   | 1   | Handle, Straight Banjo, 2" and 3" BL Valves |          |
| 18   | 640100151   | 1   | Washer, SS Banjo Handle                     |          |
| 19   | 900002856   | 1   | Bolt, HHCS 3/8-16 x 2 3/4" G5               |          |
| 20   | 800302503   | 1   | Fitting, 10 FLM x 10 ORM 45                 |          |
| 21   | 800302502   | 1   | Fitting, 8 FLM x 8 ORM 45                   |          |



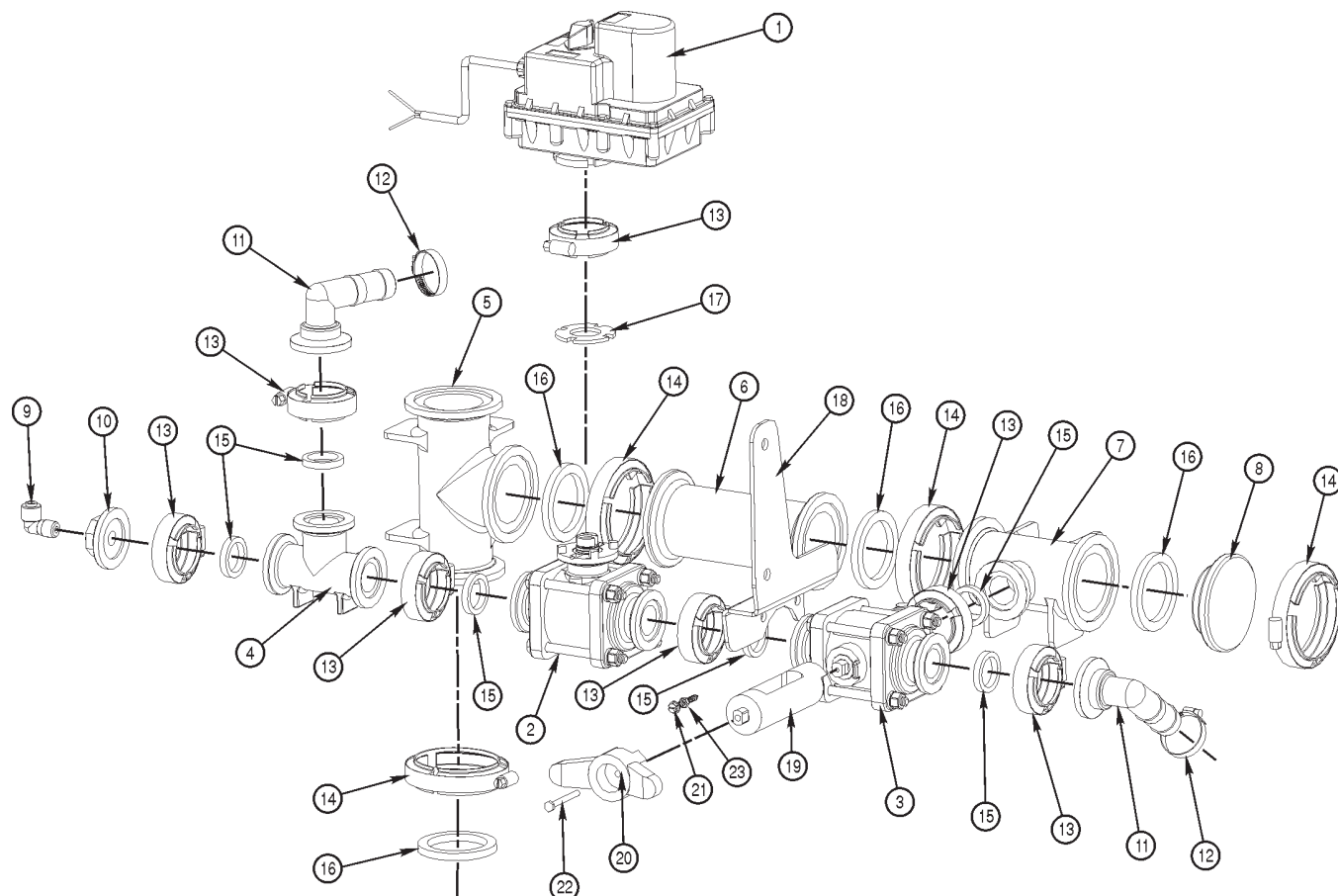
### Detail 3



| Item | Part Number | Qty | Description                                   | Comments                    |
|------|-------------|-----|-----------------------------------------------|-----------------------------|
| 1    | 640100209   | 1   | Assembly, Strainer "Y" Manifold 2" FP 50 Mesh | Includes items 2 through 9. |
| 2    | 640400029   | 1   | 2" Flanged Y Strainer - Body Only             |                             |
| 3    | 640400020   | 1   | Screen, Strainer 2" Y Full Port 50 Mesh       |                             |
| 4    | 640400024   | 1   | Gasket, Body 2" Main                          |                             |
| 5    | 640400028   | 1   | 2" Flanged Y Strainer Cap                     |                             |
| 6    | 640400027   | 1   | 2" Flanged Y Strainer Ring                    |                             |
| 7    | 640000720   | 1   | Nipple, 1" Short Poly                         |                             |
| 8    | 640001575   | 1   | Valve, 1" Full Port Poly                      |                             |
| 9    | 640000420   | 1   | Hose Barb 1"                                  |                             |
| 10   | 640100012   | 5   | Gasket, 220 Full Port Banjo                   |                             |
| 11   | 640100011   | 5   | Clamp, 2" Full Port Banjo                     |                             |
| 12   | 640100039   | 1   | Fitting, 2" FP x 1 1/2" Hose Barb Banjo       |                             |
| 13   | 915003175   | 1   | Clamp, 1 5/16 TC 181                          |                             |
| 14   | 640100042   | 1   | Fitting, Extension 2" FP Banjo                |                             |
| 15   | 640000042   | 2   | Fitting, FP 2" 45 Banjo                       |                             |

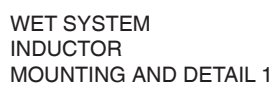


## Detail 4



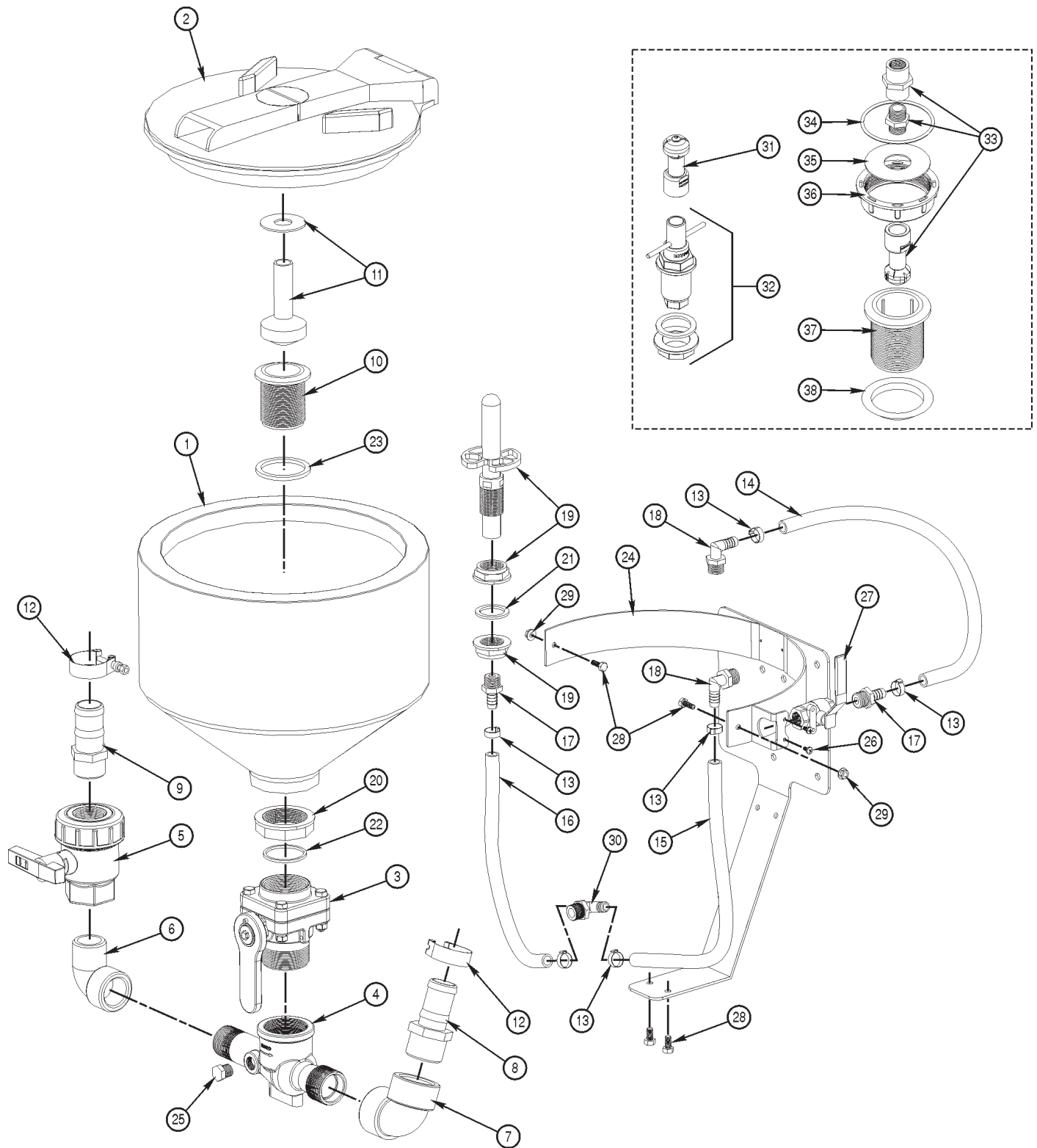
| Item | Part Number | Qty | Description                            | Comments                     |
|------|-------------|-----|----------------------------------------|------------------------------|
| 1A   | 660000300   | 1   | Valve Assembly, Agitation Banjo        |                              |
| 1B   | 660000301   | 1   | Motor, Only Agitation                  |                              |
| 2    | 660000302   | 1   | Ball Valve Only, Agitation             |                              |
| 3    | 640400010   | 1   | Valve, 3 Way 1"                        |                              |
| 4    | 640100024   | 1   | Fitting, 1" Flange Tee Banjo           |                              |
| 5    | 640100002   | 1   | Fitting, 2" Flange Tee Banjo           |                              |
| 6    | 640100206   | 1   | Fitting, Coupling 2" FP Straight 6"    |                              |
| 7    | 640400007   | 1   | Tee 2" Full Port To 1"                 |                              |
| 8    | 640400018   | 1   | Fitting, Flange Plug 2" Full Port      |                              |
| 9    | 640020000   | 1   | Fitting, 1/4 Popit 90 Degree           |                              |
| 10   | 640400011   | 1   | Cap 1" With 1/4" Port                  |                              |
| 11   | 640100023   | 1   | Fitting, 1 Barb x 1 Flange 90 Banjo    |                              |
| 12   | 915000500   | 2   | Clamp, Screw #16 1"                    |                              |
| 13   | 640100015   | 7   | Clamp, 1" Banjo                        |                              |
| 14   | 640100011   | 4   | Clamp 2" Full Port Banjo               |                              |
| 15   | 640100016   | 6   | Gasket, 1" Banjo                       |                              |
| 16   | 640100012   | 4   | Gasket, 220 Full Port Banjo            |                              |
| 17   | 660000305   | 1   | Gasket                                 | Between ball valve and motor |
| 18   | 690000034   | 1   | Bracket, Fill Station Right            |                              |
| 19   | 690000038   | 1   | Riser, MV100BL, QF                     |                              |
| 20   | 640100150   | 1   | Handle, Tee Banjo, 1" BL Valve         |                              |
| 21   | 900002439   | 1   | Screw, 10-24 x 1 3/4" Buttonhead       |                              |
| 22   | 903302609   | 1   | Screw, Tek 5/16 x 1 1/4" SS Hex Washer |                              |
| 23   | 901002899   | 1   | Nut, Nylock 10-24 ZP                   |                              |

## Mounting and Detail 1



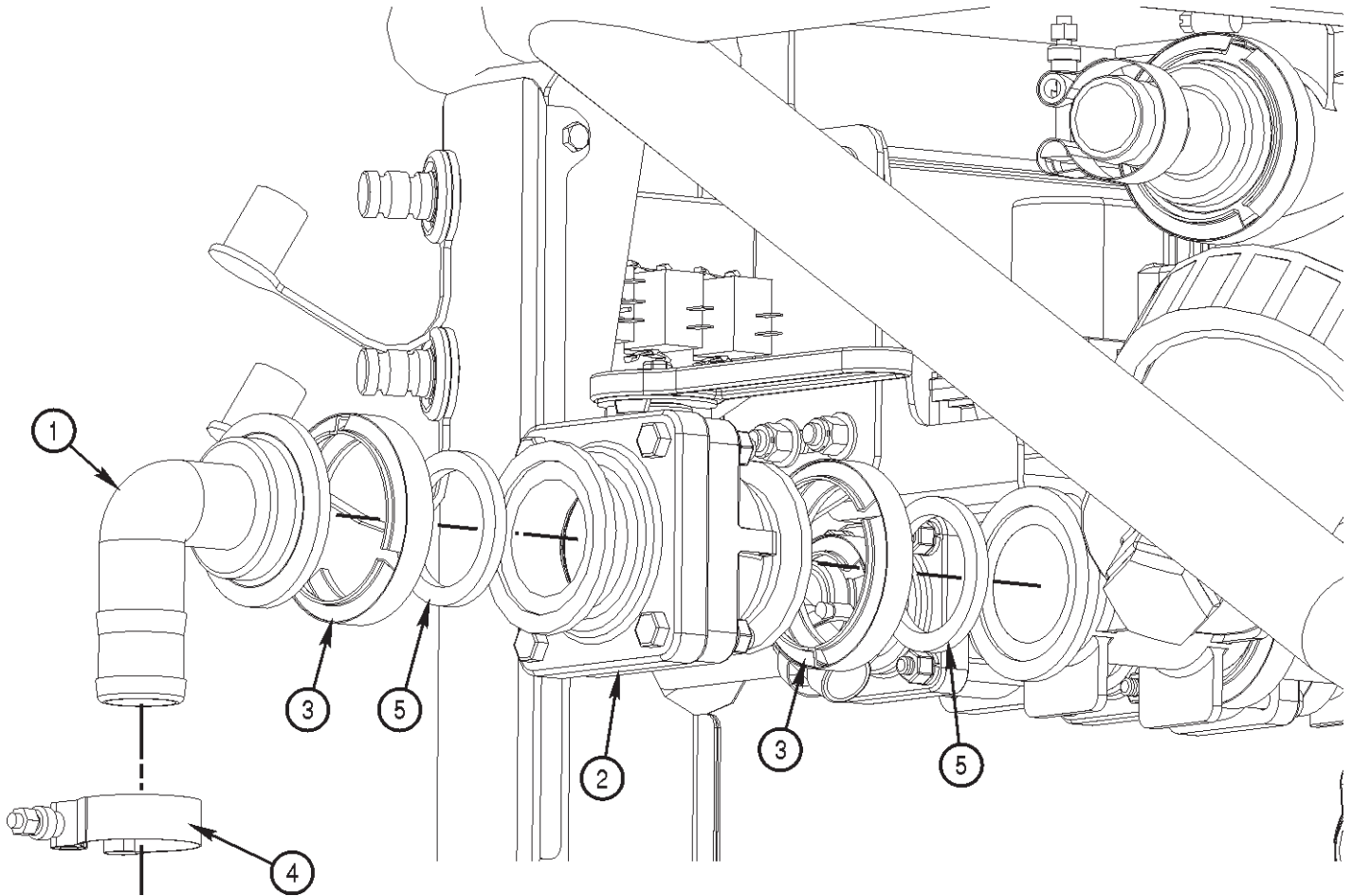
| Item | Part Number | Qty | Description                           | Comments                           |
|------|-------------|-----|---------------------------------------|------------------------------------|
| 1    | 901003020   | 5   | Nut, Nylock 3/8-16 ZP                 |                                    |
| 2    | 630100006   | 1   | Inductor, Hypro Assembly              |                                    |
| 3    | 630100019   | 1   | Bracket, Inductor Tank                |                                    |
| 4    | 900002850   | 4   | Bolt, HHCS 3/8-16 X 2 1/4 G5 ZP       |                                    |
| 5    | 901003040   | 4   | Nut, Nylock 1/2-13 ZP                 |                                    |
| 6    | 900003302   | 4   | Bolt, HHCS 1/2-13 x 4 1/2 G5 ZP       |                                    |
| 7    | 630100010   | 2   | Link, Inductor                        |                                    |
| 8    | 915001301   | 2   | Screw, Self Tap #12 x 3/4 Hex         |                                    |
| 9    | 630100017   | 1   | Wear Strip, Inductor Handle           |                                    |
| 10   | 630100018   | 1   | Bracket, Inductor Frame               |                                    |
| 11   | 100100006   | 2   | Bolt, 3/4-10 x 2 Salt Bath            | Nut,3/4-10 Salt Bath P/N 100100005 |
| 12   | 901003010   | 2   | Nut, Nylock 5/16-18 ZP                |                                    |
| 13   | 630100005   | 2   | Ball Stud, 5/16-18 X 10mm             |                                    |
| 14   | 630100004   | 2   | Socket, Ball M6 X 10mm                |                                    |
| 15   | 490000117   | 2   | Clip, Retainer 10mm Socket            |                                    |
| 16   | 630100003   | 1   | Spring, Gas120LB x 7.87 Stroke        |                                    |
| 17   | 900010716   | 1   | Bolt,HHCS 3/8 -16 x 7" G5 ZP          |                                    |
| 18   | 630100014   | 1   | Spring, Inductor Latch                |                                    |
| 19   | 630100012   | 1   | Handle, Inductor                      |                                    |
| 20   | 630100013   | 1   | Cap, Inductor Handle                  |                                    |
|      |             |     |                                       |                                    |
|      | 640100210   | 1   | Fitting, Hose Mender                  | Not shown                          |
|      | 690001827   | 1   | Hose, Inductor to Product Tank        | Not shown                          |
|      | RM800876    |     | Hose, Apache 1-1/2" Lay Flat          | Order by the foot, not shown       |
|      | K65000196   |     | Kit, Chemical Inductor Poly Tank      |                                    |
|      | K65000240   |     | Kit, Chemical Inductor Stainless Tank |                                    |

## Detail 2



| Item | Part Number | Qty | Description                              | Comments                     |
|------|-------------|-----|------------------------------------------|------------------------------|
| 1    | 640500008   | 1   | Tank, 5.5 Gallon Hypro                   |                              |
| 2    | 640500017   | 1   | Lid, Tank 12" Road warrior Hypro         |                              |
| 3    | 640500035   | 1   | Ball Valve, 2 Way, Hypro Stubby          |                              |
| 4    | 640500000   | 1   | Inductor, Machined Hypro                 |                              |
| 5    | 640500036   | 1   | Ball Valve, 1.25" Single Union, Hypro    |                              |
| 6    | 640400012   | 1   | Elbow, Street 1 1/4"                     |                              |
| 7    | 640000230   | 1   | Elbow, 1 1/2" NPT 90 Banjo               |                              |
| 8    | 640400014   | 1   | Hose Barb 1.5 NPT To 1.5 Hose            |                              |
| 9    | 640400013   | 1   | Hose Barb 1.25 NPT To 1.5 Hose           |                              |
| 10   | 640500006   | 1   | Drain Head                               |                              |
| 11   | 640500041   | 1   | Tank Rinse Head Assembly                 |                              |
| 12   | 915003201   | 10  | Clamp, 1 1/4" TC 162                     |                              |
| 13   | 640500023   | 6   | Clamp, Hose                              |                              |
| 14   | 640500025   | 1   | Hose                                     | Tank Rinse                   |
| 15   | 640500026   | 1   | Hose                                     | Feeder Valve                 |
| 16   | 640500024   | 1   | Hose                                     | Bottle Rinse                 |
| 17   | 640500016   | 2   | Hose Barb, 1/2" Male NPT x 1/2" HB       |                              |
| 18   | 640500019   | 2   | Hose Barb, Elbow 1/2" Male NPT x 1/2" HB |                              |
| 19A  | 640500037   | 1   | Bottle Rinse Head Base Assembly          |                              |
| 19B  | 640500038   | 1   | Bottle Rinse Head, Top Half Only         |                              |
| 20   | 640500009   | 1   | Locking Ring, 2"                         |                              |
| 21   | 640500015   | 1   | Gasket, 1"                               |                              |
| 22   | 640500005   | 1   | Gasket, 2" BSP Hypro                     |                              |
| 23   | 640500034   | 1   | Gasket 2", Tapered, Hypro                |                              |
| 24   | 640500010   | 1   | Frame, Back Mount                        |                              |
| 25   | 640500001   | 1   | Plug, 1/2" Hypro                         |                              |
| 26   | 640500022   | 2   | Screw, 10-32 x 0.375 SS Hypro            |                              |
| 27   | 640500021   | 1   | Valve, Rinse 1/2" SS                     |                              |
| 28   | 640500012   | 4   | Bolt, Hex Head 1/4-20 x 3/4              |                              |
| 29   | 640500013   | 4   | Nut, Flange 1/4-20                       |                              |
| 30   | 640500002   | 1   | Fitting, Tee 1/2" NPT to 1/2" HB         |                              |
| 31   | 640500038   | 1   | Bottle Rinse Head, Top Half Only         | Included with Item # 41      |
| 32A  | 640500037   | 1   | Bottle Rinse Head Assembly               | New Style (black/grey)       |
| 32B  | 640500014   | 1   | Bottle Rinse Head Assembly               | Old Style (white)            |
| 33   | 640500041   | 1   | Tank Rinse Head Assembly                 |                              |
| 34   | 640500044   | 1   | O-Ring, Breather Inductor                |                              |
| 35   | 640500046   | 1   | Splash Guard, Inductor                   |                              |
| 36   | 640500045   | 1   | Nut, Breather Inductor                   |                              |
| 37   | 640500006   | 1   | Drain Head                               |                              |
| 38   | 640500034   | 1   | Gasket 2", Tapered, Hypro                |                              |
|      |             |     |                                          |                              |
|      | 640100210   | 1   | Fitting, Hose Mender                     | Not shown                    |
|      | 690001827   | 1   | Hose, Inductor to Product Tank           | Not shown                    |
|      | 640500039   | 1   | Valve, 1/2" Hypro                        | Not shown                    |
|      | RM800876    |     | Hose, Apache 1-1/2" Lay Flat             | Order by the foot, not shown |

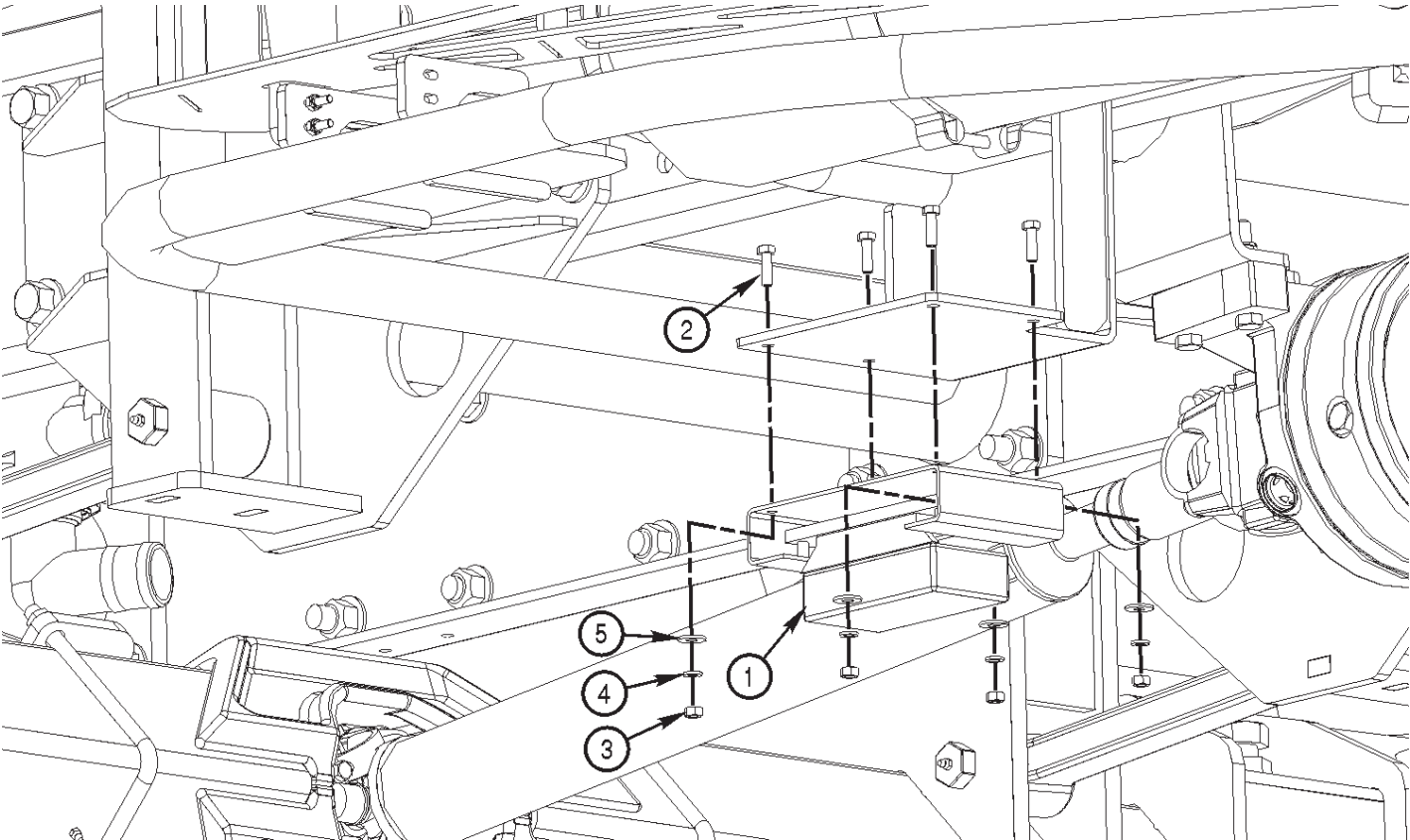
### Detail 3



| Item | Part Number | Qty | Description                            | Comments |
|------|-------------|-----|----------------------------------------|----------|
| 1    | 640400009   | 1   | Elbow 2" Full Port To 1.5 Hose Barb 90 |          |
| 2    | 640100207   | 1   | Valve 2" FP Both Ends Stubby           |          |
| 3    | 640100011   | 2   | Clamp, 2" Full Port Banjo              |          |
| 4    | 915003201   | 1   | Clamp, 1 1/4" TC 162                   |          |
| 5    | 640100012   | 2   | Gasket, 220 Full Port Banjo            |          |

# Radar Speed Sensor

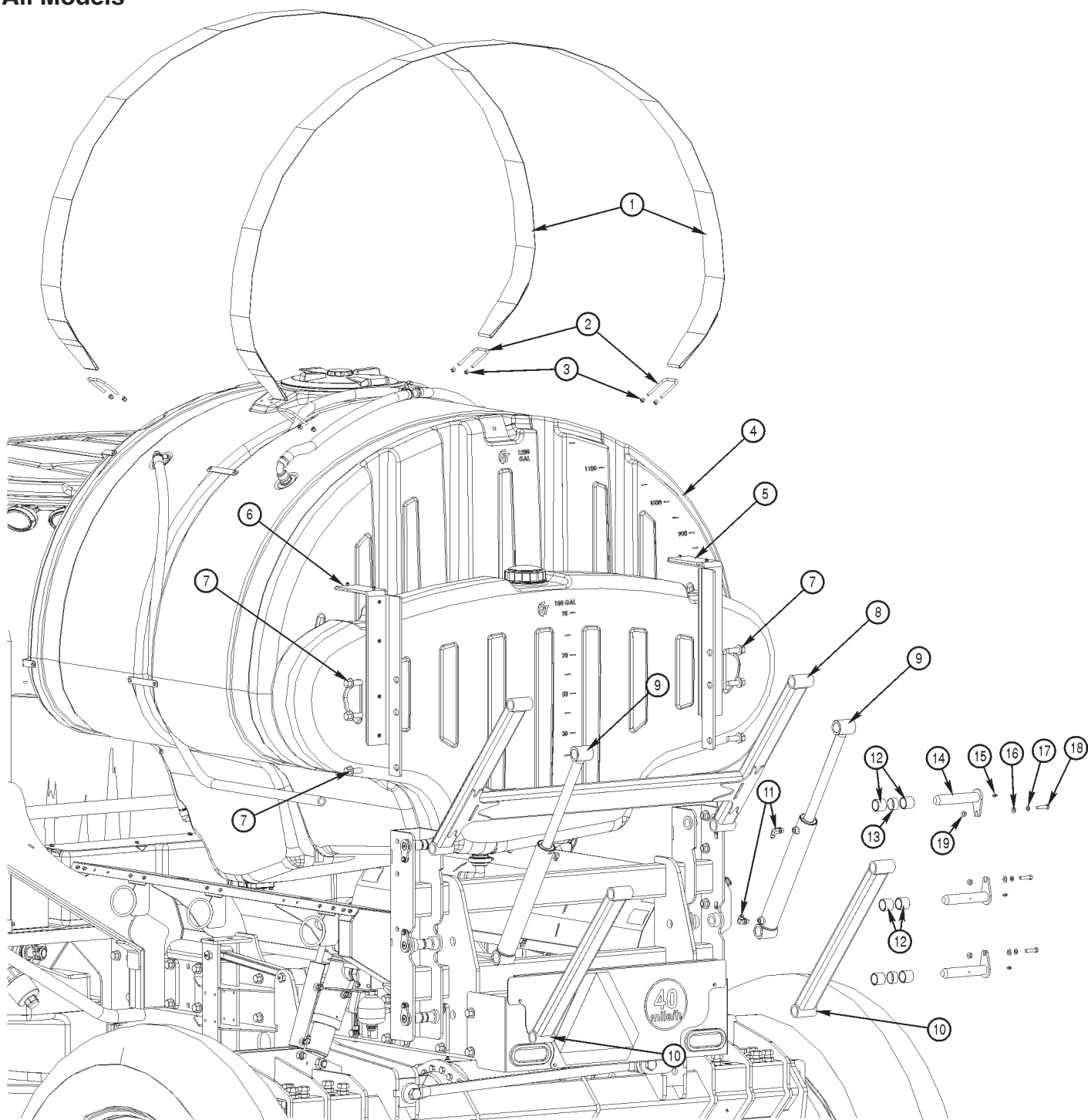
## All Models



| Item | Part Number | Qty | Description                  | Comments  |
|------|-------------|-----|------------------------------|-----------|
| 1    | 611000074   | 1   | Radar Unit                   |           |
| 2    | 900002610   | 4   | Bolt, HHCS 5/16-18 x 1 G5 ZP |           |
| 3    | 901000715   | 4   | Nut, FHNT 5/16-18 G5 ZP      |           |
| 4    | 902201095   | 4   | Washer, Lock 5/16" ZP        |           |
| 5    | 902003195   | 4   | Washer, Flat 5/16 G5 ZP      |           |
|      | 700000000   | 1   | Connector, Raven Radar       | Not shown |

# Product Tank, Rinse Tank and Parallel Arm Mounting

All Models

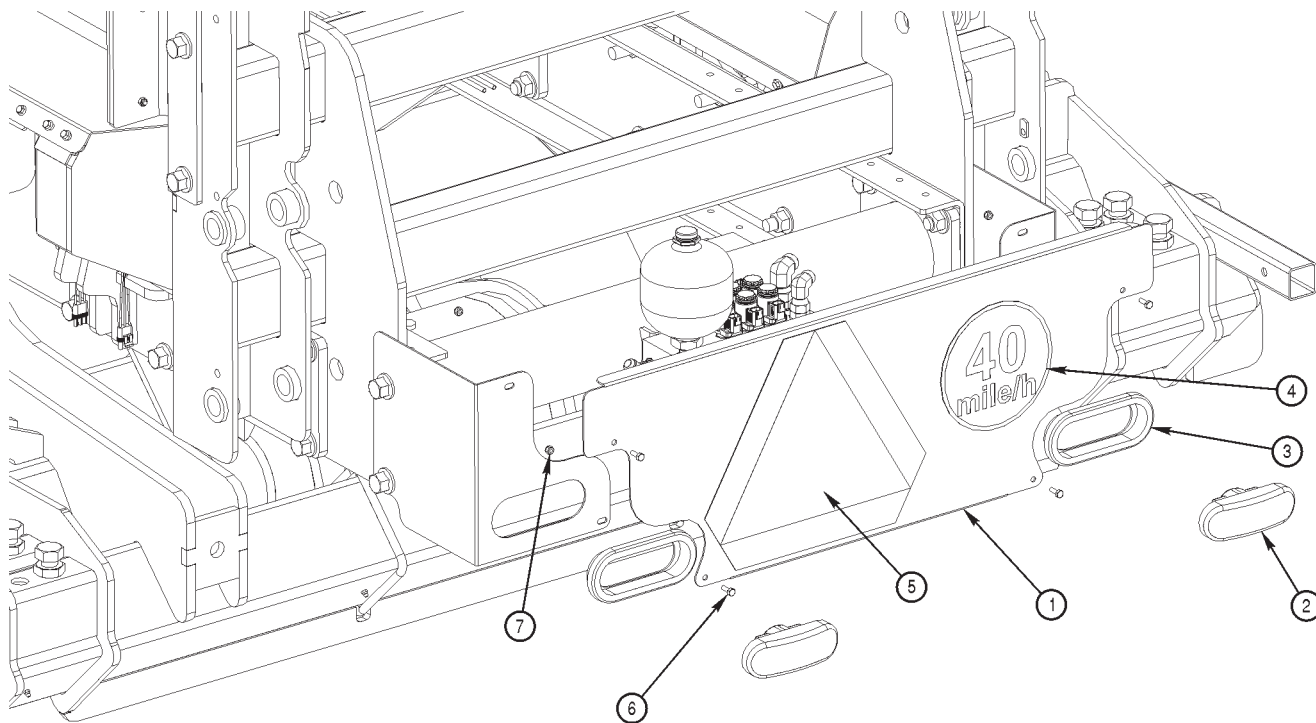




| Item | Part Number | Qty | Description                                               | Comments               |
|------|-------------|-----|-----------------------------------------------------------|------------------------|
| 1A   | 620007662   | 2   | Strap, 750 Poly, 2011 5" x 132.5" Long                    |                        |
| 1B   | 620007663   | 2   | Strap, 1000 Poly, 2011, 5" x 148.25" Long                 |                        |
| 1C   | 620007664   | 2   | Strap, 1200 Poly, 2011, 5" x 163.75" Long                 |                        |
| 2    | 915002525   | 4   | U-Bolt Tank Strap 3/8-16 Thread 3.125 Wide 3.75 Tall      | Poly Tanks Only        |
| 3    | 901003020   | 8   | Nut, Nylock 3/8-16                                        |                        |
| 4A   | 620000460   | 1   | Tank, Poly, 750 Gallon                                    |                        |
| 4B   | 620000461   | 1   | Tank, Poly, 1000 Gallon                                   |                        |
| 4C   | 620000462   | 1   | Tank, Poly, 1200 Gallon                                   |                        |
| 4D   | 620000465   | 1   | Tank, Stainless, 750 Gallon                               |                        |
| 4E   | 620000466   | 1   | Tank, Stainless, 1000 Gallon                              |                        |
| 4F   | 620000467   | 1   | Tank, Stainless, 1200 Gallon                              |                        |
| 5    | 601000058   | 1   | Rinse Tank Hold Down R/H                                  |                        |
| 6    | 601000059   | 1   | Rinse Tank Hold Down L/H                                  |                        |
| 7    | 100100006   | 6   | Bolt, 3/4-10 x 2 Salt Bath                                |                        |
| 8    | 601000021   | 1   | H-Bar                                                     |                        |
| 9    | 600901406   | 2   | Cylinder, Boom Rack Up/Down, 16.25" Stroke, Double Acting | Seal Kit P/N 600901408 |
| 10   | 601000031   | 2   | Parallel Arm                                              |                        |
| 11   | 800404215   | 4   | Fitting, 6 FLF x 6 ORM 90                                 |                        |
| 12   | 601000040   | 24  | Bushing, Bronze                                           |                        |
| 13   | 601000041   | 10  | Bushing Spacer Parallel Arm                               |                        |
| 14   | 601000050   | 12  | Flag Pin, Parallel Arm                                    |                        |
| 15   | 915003000   | 12  | Zerk 1/8 NPT Straight                                     |                        |
| 16   | 902003200   | 12  | Washer, Flat 3/8 IN ZP                                    |                        |
| 17   | 902201090   | 12  | Washer, Lock 3/8 IN ZP                                    |                        |
| 18   | 900002835   | 12  | Bolt, HHCS 3/8-16 x 1 1/2 G5 ZP                           |                        |
| 19   | 901101201   | 6   | Nut, Spin Lock 3/8-16 G5                                  |                        |

## Rear Cover

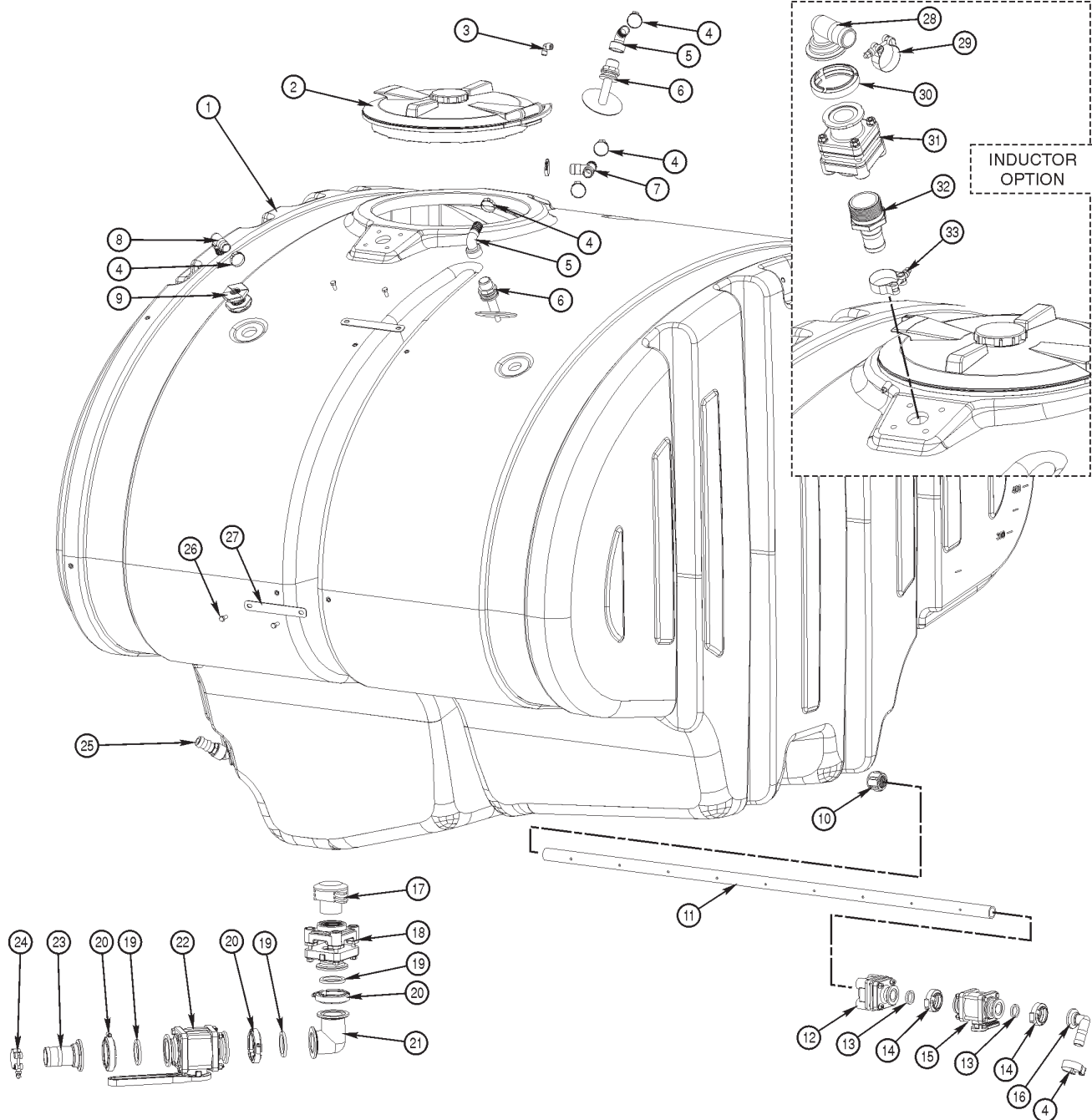
### All Models



| Item | Part Number | Qty | Description                    | Comments  |
|------|-------------|-----|--------------------------------|-----------|
| 1    | 100108006   | 1   | Cover, Rear Frame Center       |           |
| 2    | 710000202   | 2   | Light, Tail and Stop Red LED   |           |
| 3    | 710000203   | 2   | Grommet, Tail Light            |           |
| 4A   | 420306024   | 1   | Decal, SIS 40 mile/hr          |           |
| 4B   | 420306023   | 1   | Decal, SIS 35 mile/hr          |           |
| 5    | 420306022   | 1   | Decal, Slow moving vehicle     |           |
| 6    | 900002600   | 4   | Bolt, HHCS 5/16-18 X 3/4 G5 ZP |           |
| 7    | 901003010   | 4   | Nut, Nylock 5/16-18 ZP         |           |
|      |             |     |                                |           |
|      | 420306048   | 1   | Decal Set, Warning Inside      | Not shown |
|      | 420306064   | 1   | Decal Set, Warning Outside     | Not shown |
|      | 620000475   | 2   | Decal Set, 750P, Top           | Not shown |
|      | 620000476   | 2   | Decal Set, 1000P, Top          | Not shown |
|      | 620000477   | 2   | Decal Set, 1200P, Top          | Not shown |
|      | 620000478   | 2   | Decal Set, Product, Bottom     | Not shown |

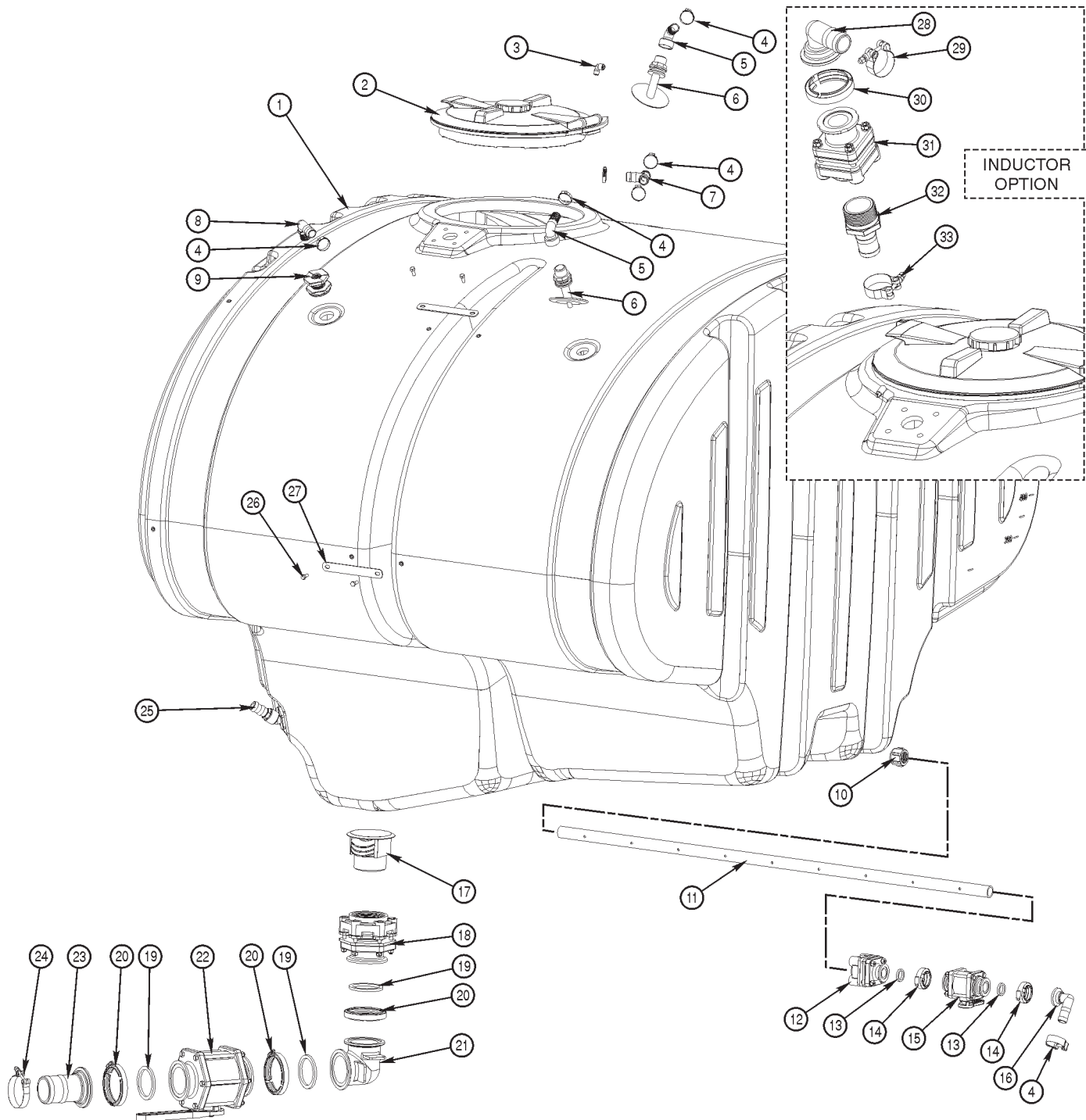
# Poly Product Tank

## Standard Plumbing



| Item | Part Number | Qty | Description                              | Comments                                               |
|------|-------------|-----|------------------------------------------|--------------------------------------------------------|
| 1A   | 620000460   | 1   | Tank, Poly, 750 Gallon                   |                                                        |
| 1B   | 620000461   | 1   | Tank, Poly, 1000 Gallon                  |                                                        |
| 1C   | 620000462   | 1   | Tank, Poly, 1200 Gallon                  |                                                        |
| 2    | 620005026   | 1   | Lid, 16" Assembly, Product Tank          |                                                        |
| 3    | 640020000   | 1   | Fitting, 1/4" Popit 90 Degree            |                                                        |
| 4    | 915000500   | 6   | Clamp, Screw #16 1"                      |                                                        |
| 5    | 620000201   | 2   | Fitting, Roto-Flush Elbow                |                                                        |
| 6    | 620000200   | 2   | Roto-Flush Nozzle                        |                                                        |
| 7    | 640000475   | 1   | Tee, Hose Barb 1"                        |                                                        |
| 8    | 620000620   | 2   | Fitting, 0.75 Pipe T 1" Hose Elbow 90    |                                                        |
| 9    | 640000050   | 2   | Flange Assembly Tank Poly                |                                                        |
| 10   | 640000100   | 1   | Cap, 1" Poly                             |                                                        |
| 11   | 620000451   | 1   | Agitation Tube                           |                                                        |
| 12   | 640100075   | 1   | Fitting, Tank Flange 1" Banjo            |                                                        |
| 13   | 640100016   | 2   | Gasket, 1" Banjo                         |                                                        |
| 14   | 640100015   | 2   | Clamp, 1" Banjo                          |                                                        |
| 15   | 640100077   | 1   | Valve, Ball 1" Banjo                     |                                                        |
| 16   | 640100023   | 1   | Fitting, 1" BRB x 1" Flange 90 Banjo     |                                                        |
| 17   | 640100030   | 1   | Fitting,, 2" Anti Siphon                 |                                                        |
| 18   | 640100054   | 1   | Fitting, 2" Bottom Drain Full Port Banjo |                                                        |
| 19   | 640100012   | 3   | Gasket, 220 Full Port Banjo              |                                                        |
| 20   | 640100011   | 3   | Clamp, 2" Full Port Banjo                |                                                        |
| 21   | 640100003   | 1   | Fitting, Elbow 90 2" Banjo               |                                                        |
| 22   | 640100001   | 1   | Valve, 2" Full Port Banjo                |                                                        |
| 23   | 640100005   | 1   | Fitting, 2 Hose Barb Banjo               |                                                        |
| 24   | 915003300   | 1   | Clamp, 2" TC 231                         |                                                        |
| 25   | 640000415   | 1   | Hose Barb, 3/4" MPT x 1" Hose            | 640000210 - Elbow, 3/4" 45 Deg Poly Street (not shown) |
| 26   | 900000612   | 6   | Bolt, HHCS 5/16-18 x 1/2 G5              |                                                        |
| 27   | 620000120   | 2   | Strap Bar, Roto-Flush Hose               |                                                        |
| 28   | 640100085   | 1   | 2" Std Port Flange x 1.5" Hose Barb 90   |                                                        |
| 29   | 915003175   | 1   | Clamp, 1 5/16 TC 181                     |                                                        |
| 30   | 640100013   | 1   | Clamp, 2" Standard Port                  |                                                        |
| 31   | 640100148   | 1   | Fitting, Tank Flange 2" Std Manifold     |                                                        |
| 32   | 640000470   | 1   | Hose Barb, 2" Pipe To 1.5" Hose          |                                                        |
| 33   | 915003201   | 1   | Clamp, 1 1/4' TC 162                     |                                                        |
|      |             |     |                                          |                                                        |
|      | 620000475   | 2   | Decal Set, 750P, Top                     | Not shown                                              |
|      | 620000476   | 2   | Decal Set, 1000P, Top                    | Not shown                                              |
|      | 620000477   | 2   | Decal Set, 1200P, Top                    | Not shown                                              |
|      | 620000478   | 2   | Decal Set, Product, Bottom               | Not shown                                              |

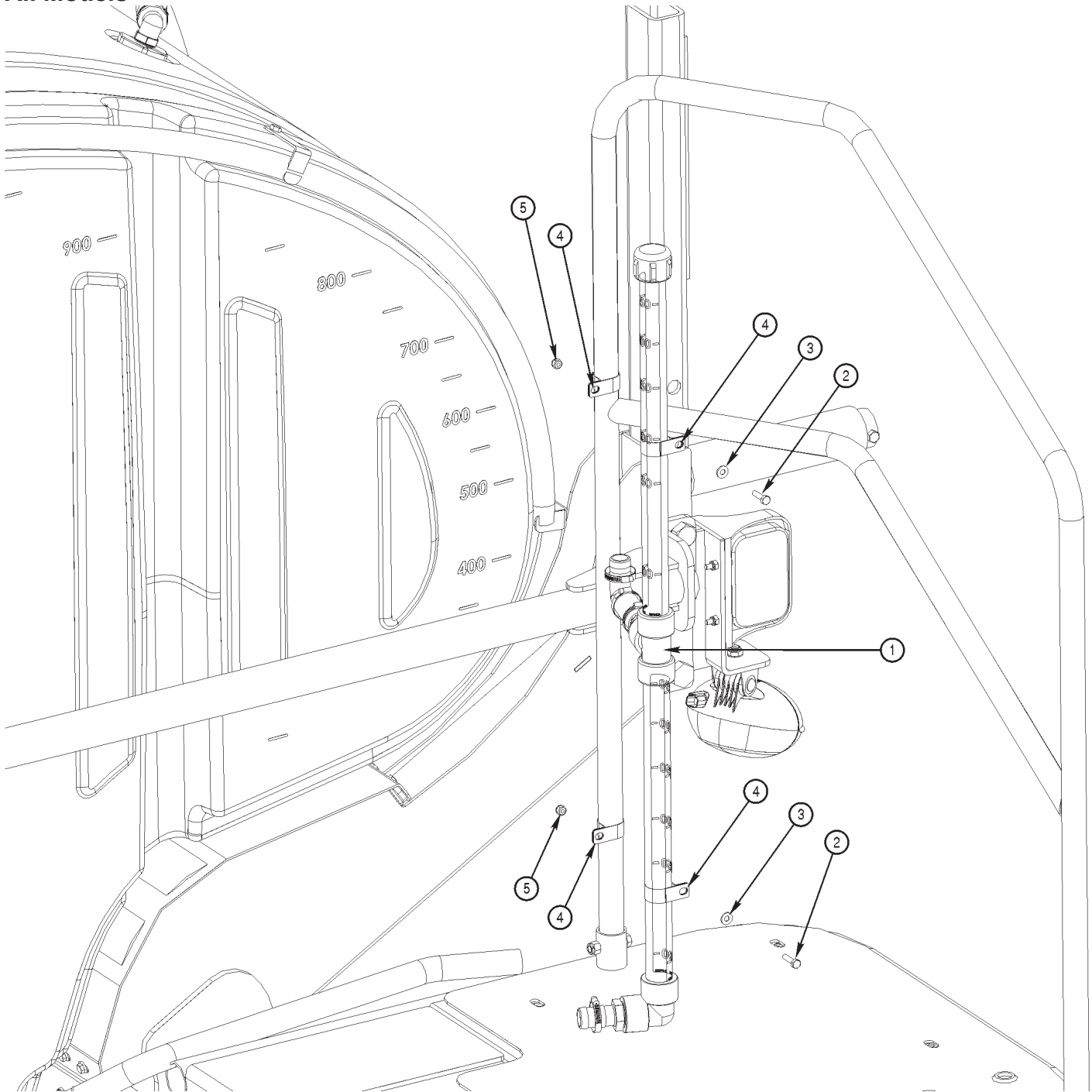
## Quick Fill Plumbing



| Item | Part Number | Qty | Description                            | Comments                                               |
|------|-------------|-----|----------------------------------------|--------------------------------------------------------|
| 1A   | 620000460   | 1   | Tank, Poly, 750 Gallon                 |                                                        |
| 1B   | 620000461   | 1   | Tank, Poly, 1000 Gallon                |                                                        |
| 1C   | 620000462   | 1   | Tank, Poly, 1200 Gallon                |                                                        |
| 2    | 620005026   | 1   | Lid, 16" Assembly, Product Tank        |                                                        |
| 3    | 640020000   | 1   | Fitting, 1/4" Popit 90 Degree          |                                                        |
| 4    | 915000500   | 6   | Clamp, Screw #16 1"                    |                                                        |
| 5    | 620000201   | 2   | Fitting, Roto-Flush Elbow              |                                                        |
| 6    | 620000200   | 2   | Roto-Flush Nozzle                      |                                                        |
| 7    | 640000475   | 1   | Tee, Hose Barb 1"                      |                                                        |
| 8    | 620000620   | 2   | Fitting, 0.75 Pipe T 1" Hose Elbow 90  |                                                        |
| 9    | 640000050   | 2   | Flange Assembly Tank Poly              |                                                        |
| 10   | 640000100   | 1   | Cap, 1" Poly                           |                                                        |
| 11   | 620000451   | 1   | Agitation Tube                         |                                                        |
| 12   | 640100075   | 1   | Fitting, Tank Flange 1" Banjo          |                                                        |
| 13   | 640100016   | 2   | Gasket, 1" Banjo                       |                                                        |
| 14   | 640100015   | 2   | Clamp, 1" Banjo                        |                                                        |
| 15   | 640100077   | 1   | Valve, Ball 1" Banjo                   |                                                        |
| 16   | 640100023   | 1   | Fitting, 1" BRB x 1" Flange 90 Banjo   |                                                        |
| 17   | 640100129   | 1   | Fitting,, 3" Anti Siphon               |                                                        |
| 18   | 640100128   | 1   | Fitting, 3" Bottom Drain               |                                                        |
| 19   | 640100027   | 3   | Gasket, 300 EPDM Banjo                 |                                                        |
| 20   | 640100028   | 3   | Clamp, 3" Banjo                        |                                                        |
| 21   | 640100050   | 1   | Fitting, 3 x 3 Flange 90 Banjo         |                                                        |
| 22   | 640100061   | 1   | Valve, Ball 3" Flange Banjo            |                                                        |
| 23   | 640100048   | 1   | Fitting, 3" Flange 3" HB Banjo         |                                                        |
| 24   | 915003301   | 1   | Clamp, 3" TC 331                       |                                                        |
| 25   | 640000415   | 1   | Hose Barb, 3/4" MPT x 1" Hose          | 640000210 - Elbow, 3/4" 45 Deg Poly Street (not shown) |
| 26   | 900000612   | 6   | Bolt, HHCS 5/16-18 x 1/2 G5            |                                                        |
| 27   | 620000120   | 2   | Strap Bar, Roto-Flush Hose             |                                                        |
| 28   | 640100085   | 1   | 2" Std Port Flange x 1.5" Hose Barb 90 |                                                        |
| 29   | 915003175   | 1   | Clamp, 1 5/16 TC 181                   |                                                        |
| 30   | 640100013   | 1   | Clamp, 2" Standard Port                |                                                        |
| 31   | 640100148   | 1   | Fitting, Tank Flange 2" Std Manifold   |                                                        |
| 32   | 640000470   | 1   | Hose Barb, 2" Pipe To 1.5" Hose        |                                                        |
| 33   | 915003201   | 1   | Clamp, 1 1/4' TC 162                   |                                                        |
|      |             |     |                                        |                                                        |
|      | 620000475   | 2   | Decal Set, 750P, Top                   | Not shown                                              |
|      | 620000476   | 2   | Decal Set, 1000P, Top                  | Not shown                                              |
|      | 620000477   | 2   | Decal Set, 1200P, Top                  | Not shown                                              |
|      | 620000478   | 2   | Decal Set, Product, Bottom             | Not shown                                              |

# Product Tank Sight Gauge Mounting

## All Models

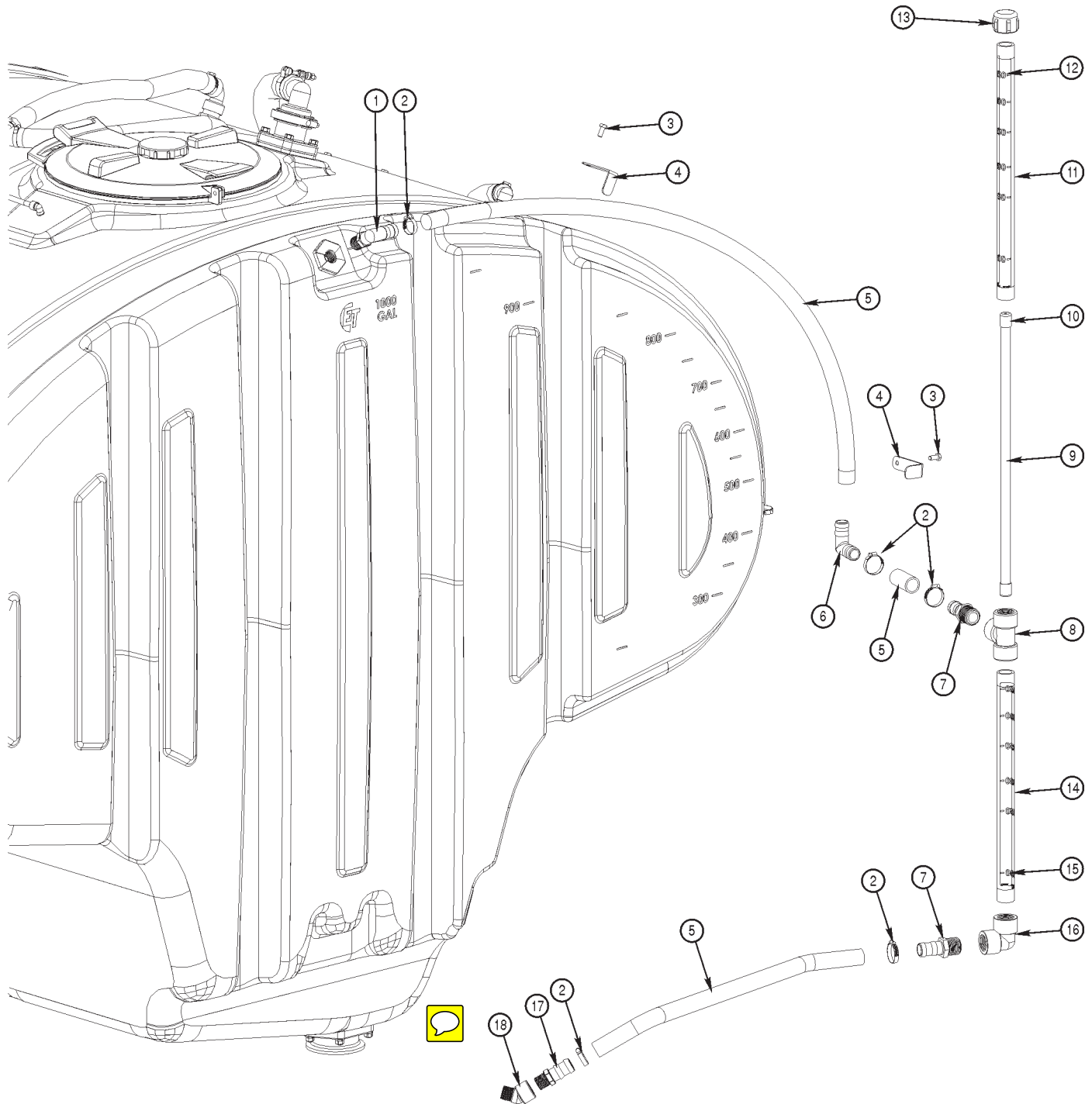




| Item | Part Number | Qty | Description                                | Comments                   |
|------|-------------|-----|--------------------------------------------|----------------------------|
| 1    | K65000241   | 1   | Kit, Sight Gauge Product tank              | Will fit on a 2011 Sprayer |
| 2    | 900002815   | 2   | Bolt, HHCS 3/8-16 x 1 G5 ZP                |                            |
| 3    | 902003045   | 2   | Washer, Flat 3/8                           |                            |
| 4    | 915002802   | 4   | Band, Insulated 1 1/4" DIA , 3/8 Bolt Hole |                            |
| 5    | 901101201   | 2   | Nut, Spin Lock 3/8-16 G5                   |                            |

# Product Tank Sight Gauge

## All Models

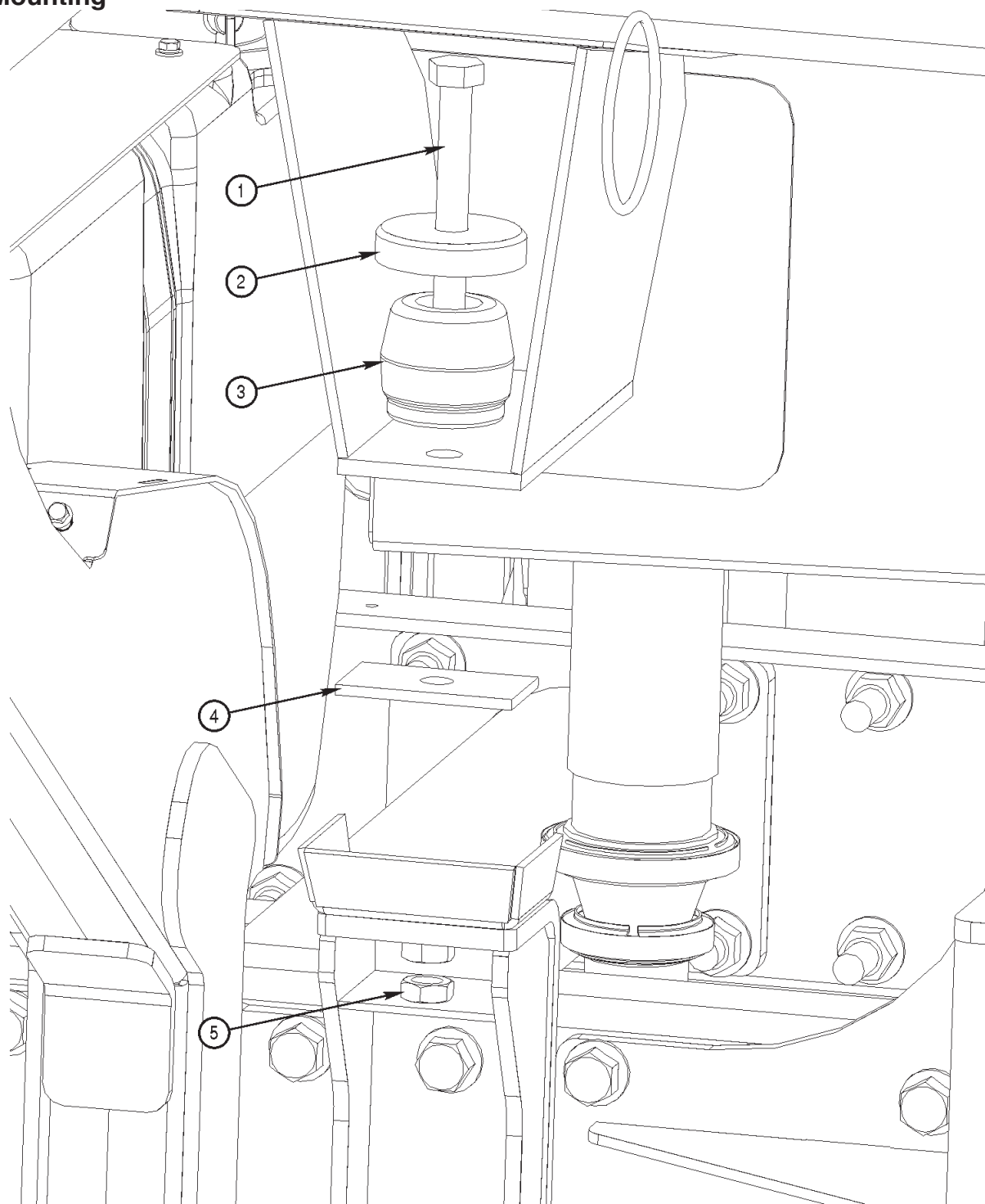


| Item | Part Number | Qty  | Description                            | Comments |
|------|-------------|------|----------------------------------------|----------|
| 1    | 640000620   | 1    | Fitting, 0.75 PIPE To 1" Hose Elbow 90 |          |
| 2    | 915000500   | 6    | Clamp,Screw #16 (1")                   |          |
| 3    | 900000612   | 2    | Bolt, HHCS 5/16-18 x 1/2 G5            |          |
| 4    | 620000119   | 2    | Strap Bar, Sight Hose, 2011            |          |
| 5    | RM800980    | 3 ft | Hose, Clear 1.00" ID K010-1620         |          |
| 6    | 640000525   | 1    | Hose Barb Elbow,1" x 90 DEG            |          |
| 7    | 640000420   | 2    | Hose Barb 1"                           |          |
| 8    | 640001020   | 1    | Tee, 1"                                |          |
| 9    | RM800863    | 2ft  | Tube,Clear Petg 0.714"ID x. 014" Wall  |          |
| 10   | 620000482   | 2    | Cap, 0.75" ID, Red Vinyl               |          |
| 11   | 620000486   | 1    | Pipe, CL PVC 1" SCH 40, 1" Male NPT    | 20" long |
| 12   | 620000484   | 1    | Decal,Sight Gauge Upper                |          |
| 13   | 640000100   | 1    | Cap, 1" Poly                           |          |
| 14   | 620000485   | 1    | Pipe, CL PVC 1" SCH 40, 1" NTP Male    | 18" long |
| 15   | 620000483   | 1    | Decal,Sight Gauge Lower                |          |
| 16   | 640000220   | 1    | Elbow, 1" X 90 Deg                     |          |
| 17   | 640000415   | 1    | Hose Barb, 3/4" MPT 1" Hose            |          |
| 18   | 640000210   | 1    | Elbow,, 3/4" 45 Deg Poly Street        |          |
|      |             |      |                                        |          |
|      | K65000001   |      | Kit,Sight Tube Product tank            |          |



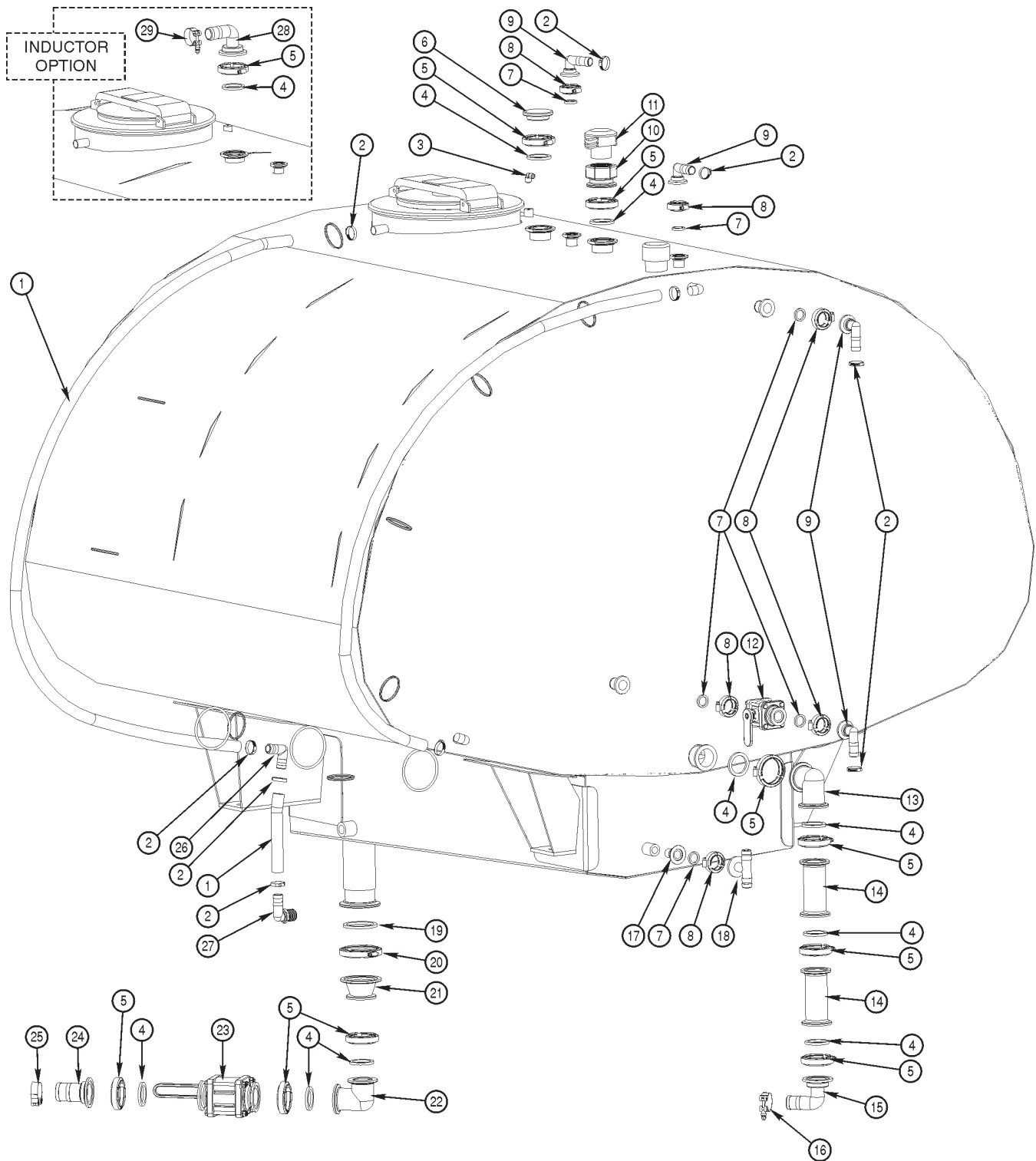
# Stainless Steel Product Tank

## Tank Mounting



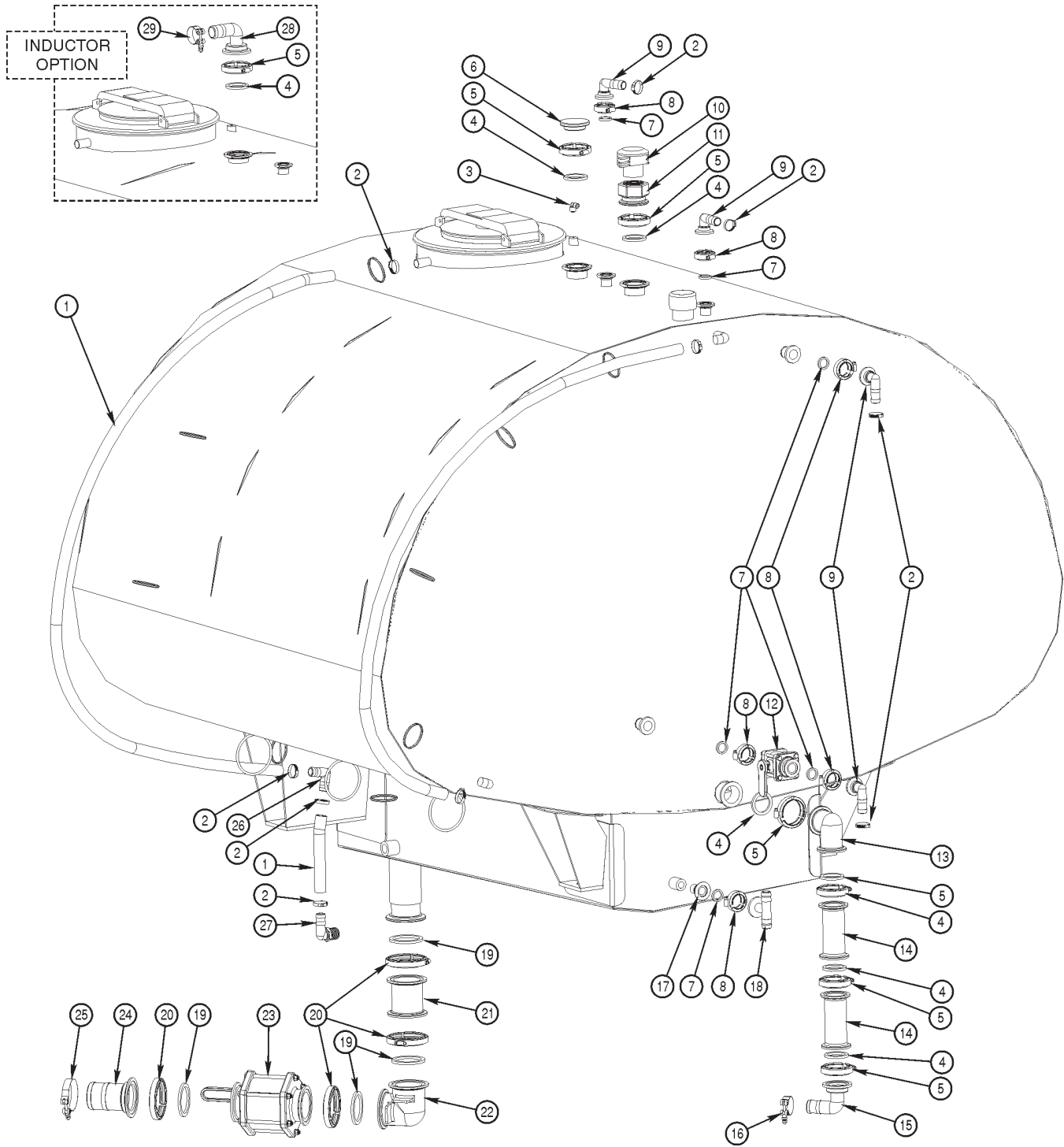
| Item | Part Number | Qty | Description                | Comments |
|------|-------------|-----|----------------------------|----------|
| 1    | 900004014   | 4   | Bolt, HHCS 3/4-10 x 6" G8  |          |
| 2    | 690000028   | 4   | Cap Retainer 3" OD x 0.75" |          |
| 3    | 690000027   | 4   | Bumper, SS Tank Mount      |          |
| 4    | 690000026   | 4   | Pad, SS Tank               |          |
| 5    | 901008002   | 4   | Nut, Jam 3/4-10 G8         |          |

# 1000 Gallon Tank Standard Plumbing



| Item | Part Number | Qty | Description                                   | Comments                        |
|------|-------------|-----|-----------------------------------------------|---------------------------------|
| 1    | RM800980    | A/R | Hose, Clear 1.00" ID                          | Sold by the foot                |
| 2    | 915000500   | 8   | Clamp, Screw #16 1"                           |                                 |
| 3    | 640020000   | 1   | Fitting, 1/4 Popit 90 Degree                  |                                 |
| 4    | 640100012   | 9   | Gasket, 220 Full Port Banjo                   |                                 |
| 5    | 640100011   | 9   | Clamp, 2" Full Port Banjo                     |                                 |
| 6    | 640400018   | 1   | Fitting, Flange Plug 2" Full Port             |                                 |
| 7    | 640100016   | 6   | Gasket, Clamp 1" Banjo                        |                                 |
| 8    | 640100015   | 6   | Clamp, 1" Banjo                               |                                 |
| 9    | 640100023   | 4   | Fitting, 1" Barb x 1" Flange 90 Banjo         |                                 |
| 10   | 640000030   | 1   | Antisiphon Banjo, 2"                          |                                 |
| 11   | 640000002   | 1   | Flange 2" Full x 2" Female NPT                |                                 |
| 12   | 640100077   | 1   | Valve, Ball 1" Banjo                          |                                 |
| 13   | 640100003   | 1   | Fitting, Elbow 90 2" Full Port                |                                 |
| 14   | 640100206   | 2   | Fitting, Coupling 2" FP Straight 6"           |                                 |
| 15   | 640400009   | 1   | Elbow, 2" Full Port To 1.5 Hose Barb 90       |                                 |
| 16   | 915003175   | 1   | Clamp, 1 5/16 TC 181                          |                                 |
| 17   | 640100039   | 1   | Adapter, 1" Flange to 3/4" Male Pipe          |                                 |
| 18   | 640100152   | 1   | Fitting, 1" Flange To 1" HB Tee               |                                 |
| 19   | 640100027   | 3   | Gasket, 300 EPDM Banjo                        |                                 |
| 20   | 640100028   | 3   | Clamp, 3" Banjo                               |                                 |
| 21   | 640100047   | 1   | Fitting, 3 x 2 Flange Full Port Reducer Banjo |                                 |
| 22   | 640100003   | 1   | Fitting, Elbow 90 2" Banjo                    |                                 |
| 23   | 640100001   | 1   | Valve, 2" Full Port Banjo                     |                                 |
| 24   | 640100005   | 1   | Fitting, 2" Hose Barb Banjo                   |                                 |
| 25   | 915003300   | 1   | Clamp, 2" TC-231                              |                                 |
| 26   | 640000525   | 1   | Hose Barb Elbow, 1" x 90 Deg                  |                                 |
| 27   | 640000620   | 1   | Fitting, 0.75 Pipe To 1" Hose Elbow 90 Degree |                                 |
| 28   | 640400009   | 1   | 2" Standard Port Flange x 1.5" Barb 90        | Only if equipped with inductor. |
| 29   | 915003175   | 1   | Clamp, 1 5/16 TC 181                          | Only if equipped with inductor. |
|      |             |     |                                               |                                 |
|      | 620000465   |     | Tank, Stainless, 750 Gal                      |                                 |
|      | 620000466   |     | Tank, Stainless, 1000 Gal                     |                                 |
|      | 620000467   |     | Tank, Stainless, 1200 Gal                     |                                 |

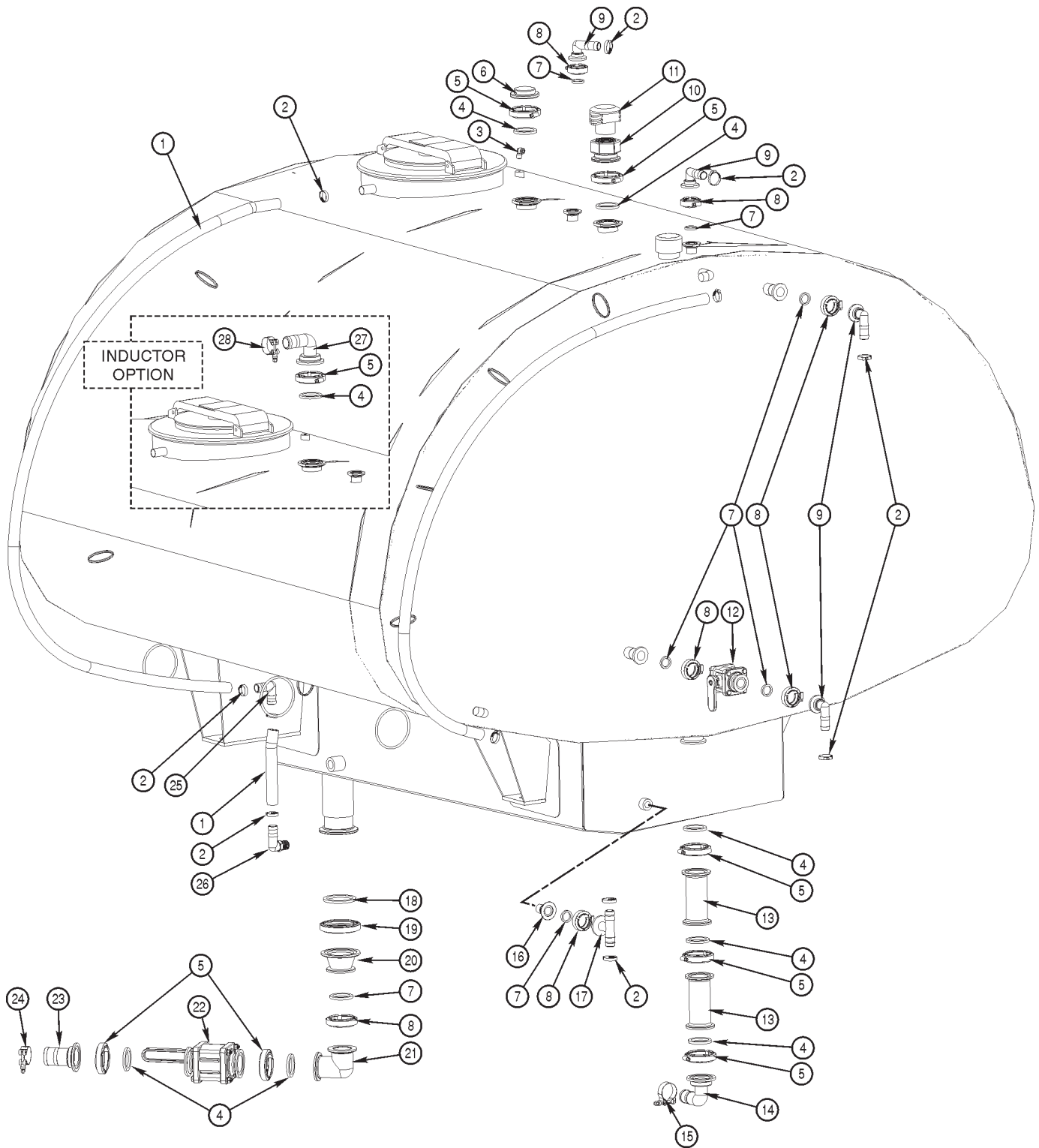
# 1000 Gallon Tank Quick Fill Plumbing





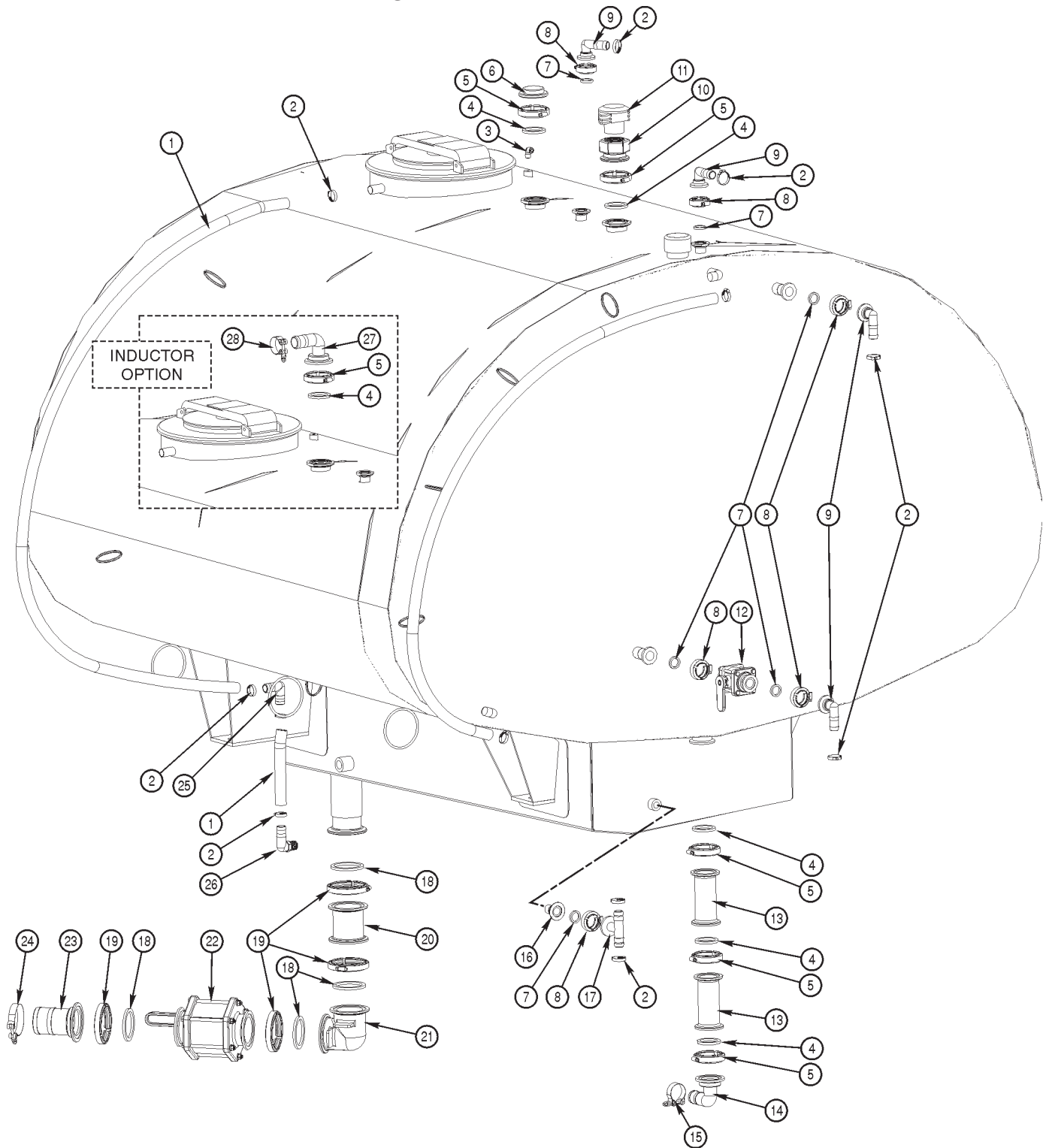
| Item | Part Number | Qty | Description                                  | Comments                        |
|------|-------------|-----|----------------------------------------------|---------------------------------|
| 1    | RM800980    | A/R | Hose, Clear 1.00" ID                         | Sold by the foot                |
| 2    | 915000500   | 8   | Clamp, Screw #16 1"                          |                                 |
| 3    | 640020000   | 1   | Fitting, 1/4 Popit 90 Degree                 |                                 |
| 4    | 640100012   | 6   | Gasket, 220 Full Port Banjo                  |                                 |
| 5    | 640100011   | 6   | Clamp, 2" Full Port Banjo                    |                                 |
| 6    | 640400018   | 1   | Fitting, Flange Plug 2" Full Port            |                                 |
| 7    | 640100016   | 6   | Gasket, Clamp 1" Banjo                       |                                 |
| 8    | 640100015   | 6   | Clamp, 1" Banjo                              |                                 |
| 9    | 640100023   | 4   | Fitting, 1" Barb x 1" Flange 90 Banjo        |                                 |
| 10   | 640100030   | 1   | Fitting, Anti Siphon 2" Banjo                |                                 |
| 11   | 640000002   | 1   | Fitting, 2" Full Flange 2" Female NPT        |                                 |
| 12   | 640100077   | 1   | Valve, Ball 1" Banjo                         |                                 |
| 13   | 640100003   | 1   | Fitting, Elbow 90 2" Full Port               |                                 |
| 14   | 640100206   | 2   | Fitting, Coupling 2" FP Straight 6"          |                                 |
| 15   | 640400009   | 1   | Elbow, 2" Full Port To 1.5 Hose Barb 90      |                                 |
| 16   | 915003175   | 1   | Clamp, 1 5/16 TC 181                         |                                 |
| 17   | 640100139   | 1   | Adapter, 1" Flange To 3/4 Male Pipe          |                                 |
| 18   | 640100152   | 1   | Fitting, 1" Flange To 1" HB Tee              |                                 |
| 19   | 640100027   | 3   | Gasket, 300 EPDM Banjo                       |                                 |
| 20   | 640100028   | 3   | Clamp, 3" Banjo                              |                                 |
| 21   | 640100117   | 1   | Fitting, Flanged Coupling 3"                 |                                 |
| 22   | 640100050   | 1   | Fitting, 3 x 3 Flange 90 Banjo               |                                 |
| 23   | 640100061   | 1   | Valve, Ball 3" Flange Banjo                  |                                 |
| 24   | 640100048   | 1   | Fitting, 3" Flange 3" HB Banjo               |                                 |
| 25   | 915003301   | 1   | Clamp, 3" TC 331                             |                                 |
| 26   | 640000525   | 1   | Hose Barb Elbow, 1" x 90 Deg                 |                                 |
| 27   | 640000620   | 1   | Fitting, .75 Pipe To 1" Hose Elbow 90 Degree |                                 |
| 28   | 640400009   | 1   | Elbow, 2" Full Port To 1.5 Hose Barb 90      | Only if equipped with inductor. |
| 29   | 915003175   | 1   | Clamp, 1 5/16 TC 181                         | Only if equipped with inductor. |
|      |             |     |                                              |                                 |
|      | 620000465   |     | Tank, Stainless, 750 Gal                     |                                 |
|      | 620000466   |     | Tank, Stainless, 1000 Gal                    |                                 |
|      | 620000467   |     | Tank, Stainless, 1200 Gal                    |                                 |

## 1200 Gallon Tank Standard Plumbing



| Item | Part Number | Qty | Description                                   | Comments                        |
|------|-------------|-----|-----------------------------------------------|---------------------------------|
| 1    | RM800980    | A/R | Hose, Clear 1.00" ID                          | Sold by the foot                |
| 2    | 915000500   | 8   | Clamp, Screw #16 1"                           |                                 |
| 3    | 640020000   | 1   | Fitting, 1/4 Popit 90 Degree                  |                                 |
| 4    | 640100012   | 9   | Gasket, 220 Full Port Banjo                   |                                 |
| 5    | 640100011   | 9   | Clamp, 2" Full Port Banjo                     |                                 |
| 6    | 640400018   | 1   | Fitting, Flange Plug 2" Full Port             |                                 |
| 7    | 640100016   | 6   | Gasket, Clamp 1" Banjo                        |                                 |
| 8    | 640100015   | 6   | Clamp, 1" Banjo                               |                                 |
| 9    | 640100023   | 4   | Fitting, 1" Barb x 1" Flange 90 Banjo         |                                 |
| 10   | 640000002   | 1   | Flange 2" Full x 2" Female NPT                |                                 |
| 11   | 640100030   | 1   | Antisiphon 2" Banjo                           |                                 |
| 12   | 640100077   | 1   | Valve, Ball 1" Banjo                          |                                 |
| 13   | 640100206   | 2   | Fitting, Coupling 2" FP Straight 6"           |                                 |
| 14   | 640400009   | 1   | Elbow, 2" Full Port To 1.5 Hose Barb 90       |                                 |
| 15   | 915003175   | 1   | Clamp, 1 5/16 TC 181                          |                                 |
| 16   | 640100139   | 1   | Adapter, 1" Flange to 3/4" Male Pipe          |                                 |
| 17   | 640100152   | 1   | Fitting, 1" Flange To 1" HB Tee               |                                 |
| 18   | 640100027   | 3   | Gasket, 300 EPDM Banjo                        |                                 |
| 19   | 640100028   | 3   | Clamp, 3" Banjo                               |                                 |
| 20   | 640100047   | 1   | Fitting, 3 x 2 Flange Full Port Reducer Banjo |                                 |
| 21   | 640100003   | 1   | Fitting, Elbow 90 2" Banjo                    |                                 |
| 22   | 640100001   | 1   | Valve, 2" Full Port Banjo                     |                                 |
| 23   | 640100005   | 1   | Fitting, 2" Hose Barb Banjo                   |                                 |
| 24   | 915003300   | 1   | Clamp, 2" TC-231                              |                                 |
| 25   | 640000525   | 1   | Hose Barb Elbow, 1" x 90 Deg                  |                                 |
| 26   | 640000620   | 1   | Fitting, 0.75 Pipe To 1" Hose Elbow 90 Degree |                                 |
| 27   | 640400009   | 1   | Elbow, 2" Full Port To 1.5 Hose Barb 90       | Only if equipped with inductor. |
| 28   | 915003175   | 1   | Clamp, 1 5/16 TC 181                          | Only if equipped with inductor. |
|      |             |     |                                               |                                 |
|      | 620000465   |     | Tank, Stainless, 750 Gal                      |                                 |
|      | 620000466   |     | Tank, Stainless, 1000 Gal                     |                                 |
|      | 620000467   |     | Tank, Stainless, 1200 Gal                     |                                 |

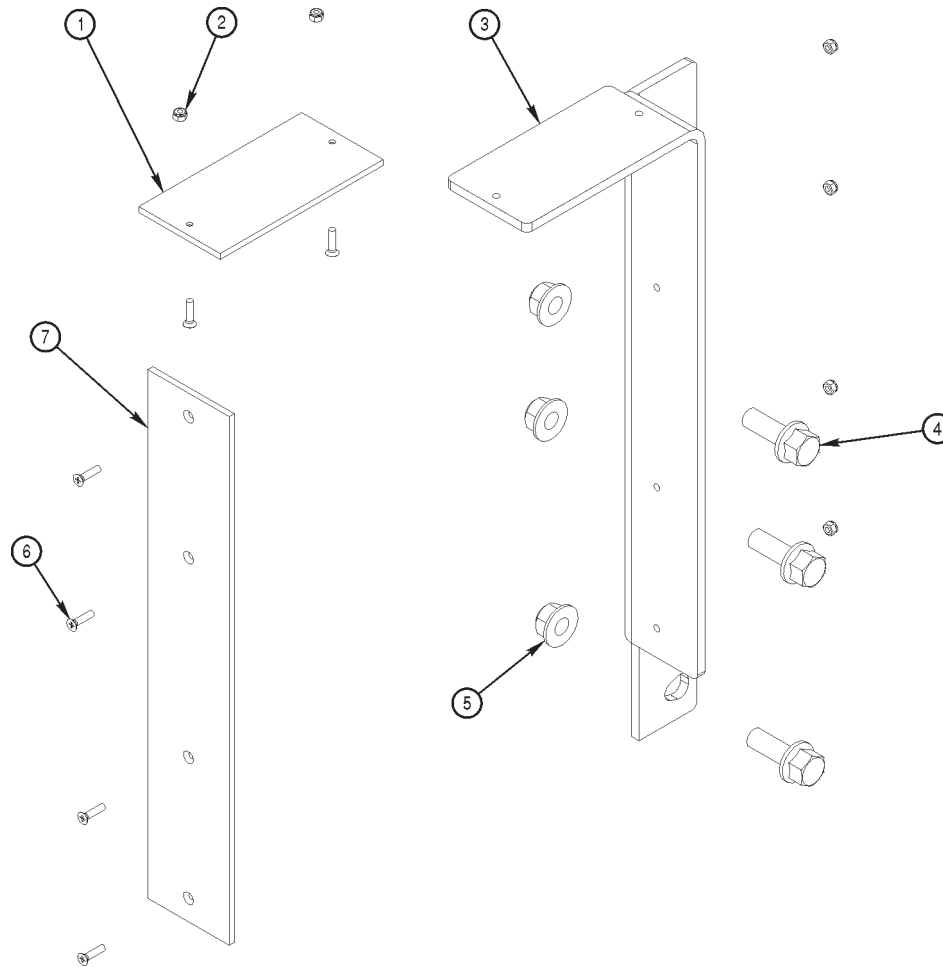
## 1200 Gallon Tank Quick Fill Plumbing



| Item | Part Number | Qty | Description                                  | Comments                        |
|------|-------------|-----|----------------------------------------------|---------------------------------|
| 1    | RM800980    | A/R | Hose, Clear 1.00" ID                         | Sold by the foot                |
| 2    | 915000500   | 8   | Clamp, Screw #16 1"                          |                                 |
| 3    | 640020000   | 1   | Fitting, 1/4 Popit 90 Degree                 |                                 |
| 4    | 640100012   | 9   | Gasket, 220 Full Port Banjo                  |                                 |
| 5    | 640100011   | 9   | Clamp, 2" Full Port Banjo                    |                                 |
| 6    | 640400018   | 1   | Fitting, Flange Plug 2" Full Port            |                                 |
| 7    | 640100016   | 6   | Gasket, Clamp 1" Banjo                       |                                 |
| 8    | 640100015   | 6   | Clamp, 1" Banjo                              |                                 |
| 9    | 640100023   | 4   | Fitting, 1" Barb x 1" Flange 90 Banjo        |                                 |
| 10   | 640000002   | 1   | Flange 2" Full x 2" Female NPT               |                                 |
| 11   | 640100030   | 1   | Antisiphon 2" Banjo                          |                                 |
| 12   | 640100077   | 1   | Valve, Ball 1" Banjo                         |                                 |
| 13   | 640100206   | 2   | Fitting, Coupling 2" FP Straight 6"          |                                 |
| 14   | 640400009   | 1   | Elbow, 2" Full Port To 1.5 Hose Barb 90      |                                 |
| 15   | 915003175   | 1   | Clamp, 1 5/16 TC 181                         |                                 |
| 16   | 640100139   | 1   | Adapter, 1" Flange to 3/4" Male Pipe         |                                 |
| 17   | 640100152   | 1   | Fitting, 1" Flange To 1" HB Tee              |                                 |
| 18   | 640100027   | 3   | Gasket, 300 EPDM Banjo                       |                                 |
| 19   | 640100028   | 3   | Clamp, 3" Banjo                              |                                 |
| 20   | 640100117   | 1   | Fitting, Flanged Coupling 3"                 |                                 |
| 21   | 640100050   | 1   | Fitting, 3 x 3 Flange 90 Banjo               |                                 |
| 22   | 640100061   | 1   | Valve, Ball 3" Flange Banjo                  |                                 |
| 23   | 640100048   | 1   | Fitting, 3" Flange 3" HB Banjo               |                                 |
| 24   | 915003301   | 1   | Clamp, 3" TC 331                             |                                 |
| 25   | 640000525   | 1   | Hose Barb Elbow, 1" x 90 Deg                 |                                 |
| 26   | 640000620   | 1   | Fitting, .75 Pipe To 1" Hose Elbow 90 Degree |                                 |
| 27   | 640400009   | 1   | Elbow, 2" Full Port To 1.5 Hose Barb 90      | Only if equipped with inductor. |
| 28   | 915003175   | 1   | Clamp, 1 5/16 TC 181                         | Only if equipped with inductor. |
|      |             |     |                                              |                                 |
|      | 620000465   |     | Tank, Stainless, 750 Gal                     |                                 |
|      | 620000466   |     | Tank, Stainless, 1000 Gal                    |                                 |
|      | 620000467   |     | Tank, Stainless, 1200 Gal                    |                                 |

# Rinse Tank Hold Down Bracket

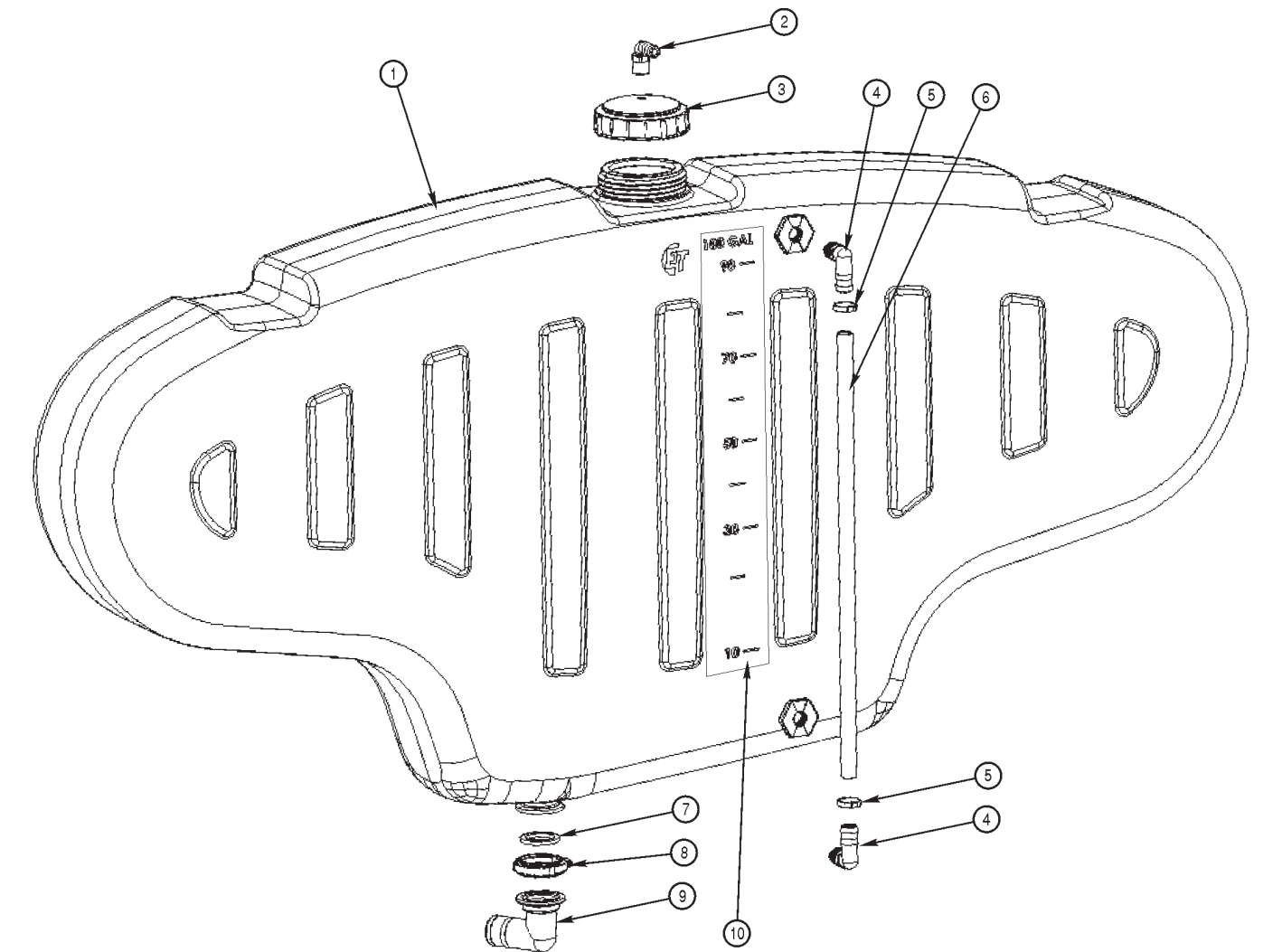
## All Models



| Item | Part Number | Qty | Description                              | Comments |
|------|-------------|-----|------------------------------------------|----------|
| 1    | 690000025   | 2   | UHMW, Flat, Rinse Hold Down Top          |          |
| 2    | 901003000   | 12  | Nut, Nylock 1/4-20 ZP                    |          |
| 3A   | 601000058   | 1   | Rinse Tank Hold Down, R/H                |          |
| 3B   | 601000059   | 1   | Rinse Tank Hold Down, L/H                |          |
| 4    | 100100006   | 6   | Bolt, 3/4-10 x 2 G8 Salt Bath            |          |
| 5    | 100100005   | 6   | Nut, 3/4-10 Salt Bath                    |          |
| 6    | 900000019   | 12  | Screw, 1/4-20 x 1" PH Flat Head Machined |          |
| 7    | 690000024   | 2   | UHMW, Flat, Rinse Hold Down Upright      |          |
|      |             |     |                                          |          |
|      |             |     |                                          |          |

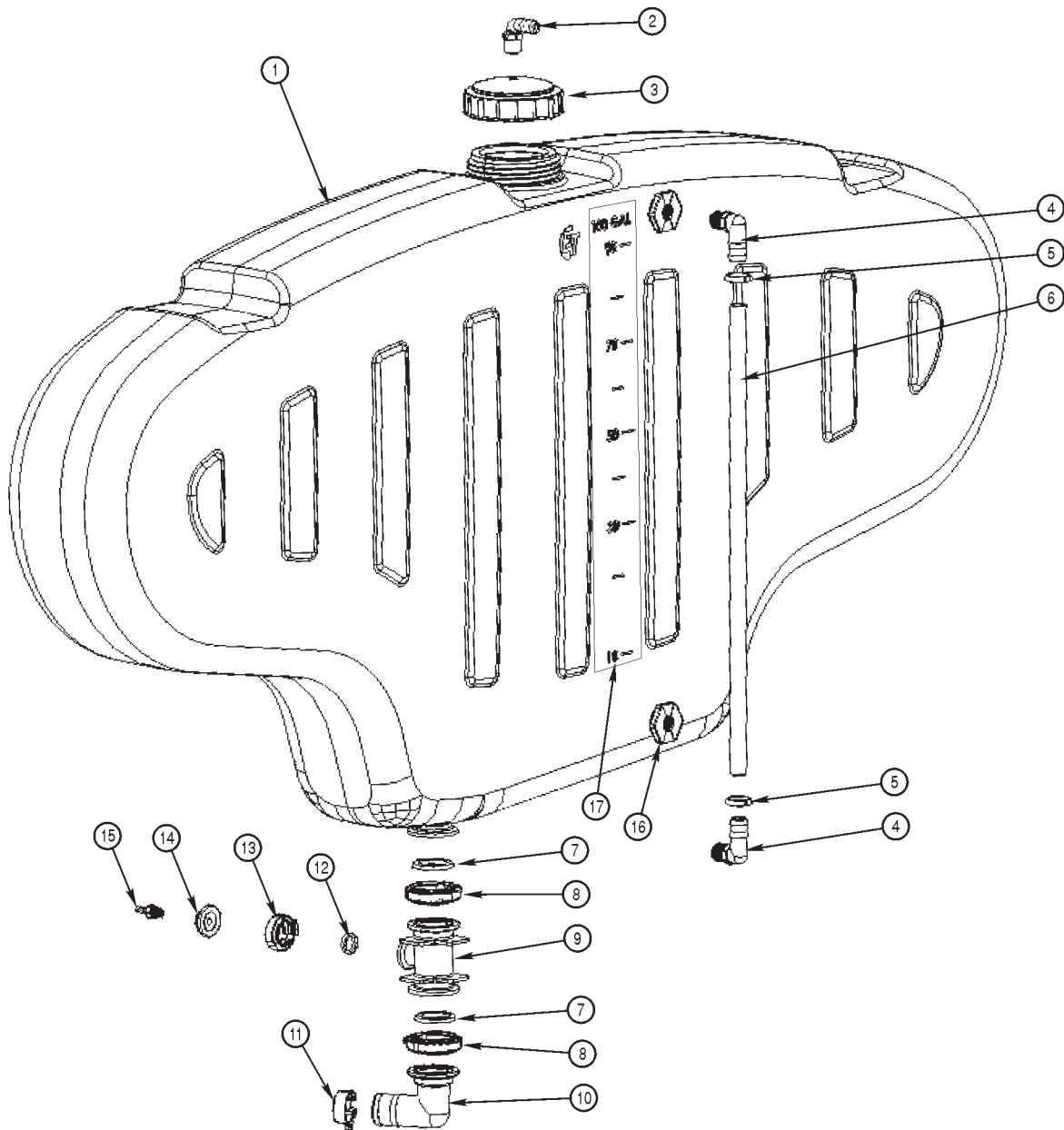
# Rinse Tank

## Without Foamer



| Item | Part Number | Qty  | Description                            | Comments |
|------|-------------|------|----------------------------------------|----------|
| 1    | 620000470   | 1    | Tank, Rinse 100 Gallon                 |          |
| 2    | 640000500   | 1    | Hose Barb 3/4" 90 Deg                  |          |
| 3    | 620005027   | 1    | Lid, 6", Rinse                         |          |
| 4    | 640000620   | 2    | Fitting, 0.75 Pipe To 1 Hose Barb 90   |          |
| 5    | 915000500   | 2    | Clamp, Screw #16 (1")                  |          |
| 6    | RM800980    | 5 ft | Hose, Clear 1.00" ID K010-1620         |          |
| 7    | 640100012   | 1    | Gasket, 220 Full Port Banjo            |          |
| 8    | 640100011   | 1    | Clamp, 2" Full Port Banjo              |          |
| 9    | 640400009   | 1    | Elbow 2" Full Port To 1.5 Hose Barb 90 |          |
| 10   | 620000479   | 1    | Decal, Rinse                           |          |

## With Foamer

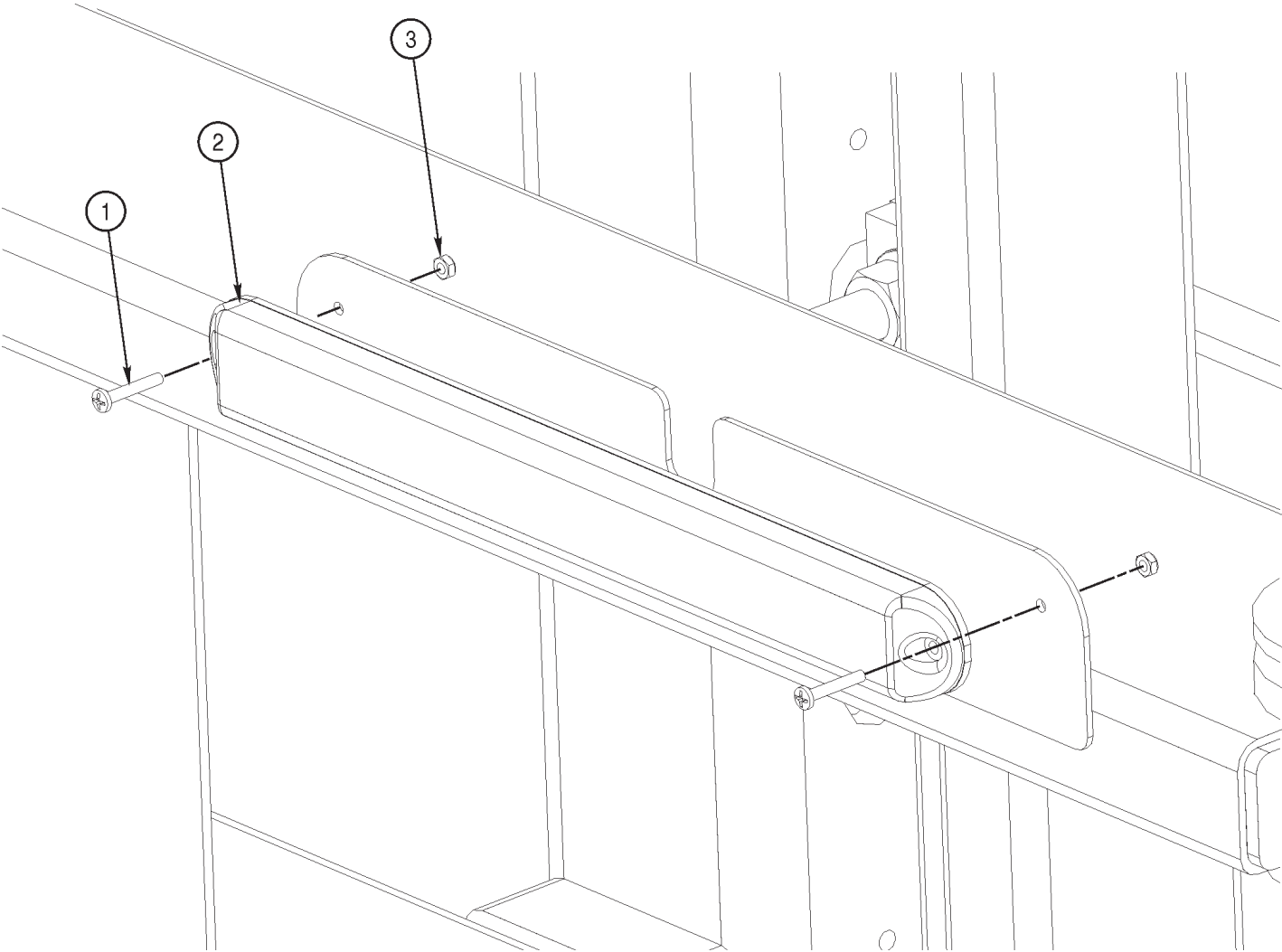


| Item | Part Number | Qty  | Description                            | Comments |
|------|-------------|------|----------------------------------------|----------|
| 1    | 620000470   | 1    | Tank, Rinse 100 Gallon                 |          |
| 2    | 640000500   | 1    | Hose Barb 3/4" 90 Deg                  |          |
| 3    | 620005027   | 1    | Lid, 6", Rinse                         |          |
| 4    | 640000620   | 2    | Fitting, 0.75 Pipe To 1 Hose Barb 90   |          |
| 5    | 915000500   | 2    | Clamp, Screw #16 (1")                  |          |
| 6    | RM800980    | 5 ft | Hose, Clear 1.00" ID K010-1620         |          |
| 7    | 640100012   | 2    | Gasket, 220 Full Port Banjo            |          |
| 8    | 640100011   | 2    | Clamp, 2" Full Port Banjo              |          |
| 9    | 640400007   | 1    | Tee, 2" Full Port To 1"                |          |
| 10   | 640400009   | 1    | Elbow 2" Full Port To 1.5 Hose Barb 90 |          |
| 11   | 915003175   | 1    | Clamp, 1 5/16 TC 181                   |          |
| 12   | 640100016   | 1    | Gasket, 1" Banjo                       |          |
| 13   | 640100015   | 1    | Clamp, 1" Banjo                        |          |
| 14   | 640400011   | 1    | Cap, 1" With 1/4" Port                 |          |
| 15   | 640100137   | 1    | Hose Barb 1/4" MPT To 1/4" Barb        |          |
| 16   | 640000050   | 2    | Flange Assembly Tank Poly              |          |
| 17   | 620000479   | 1    | Decal, Rinse                           |          |
|      | K65000221   |      | Kit, Rinse tank sight gauge            |          |



# Boom Marker Lights

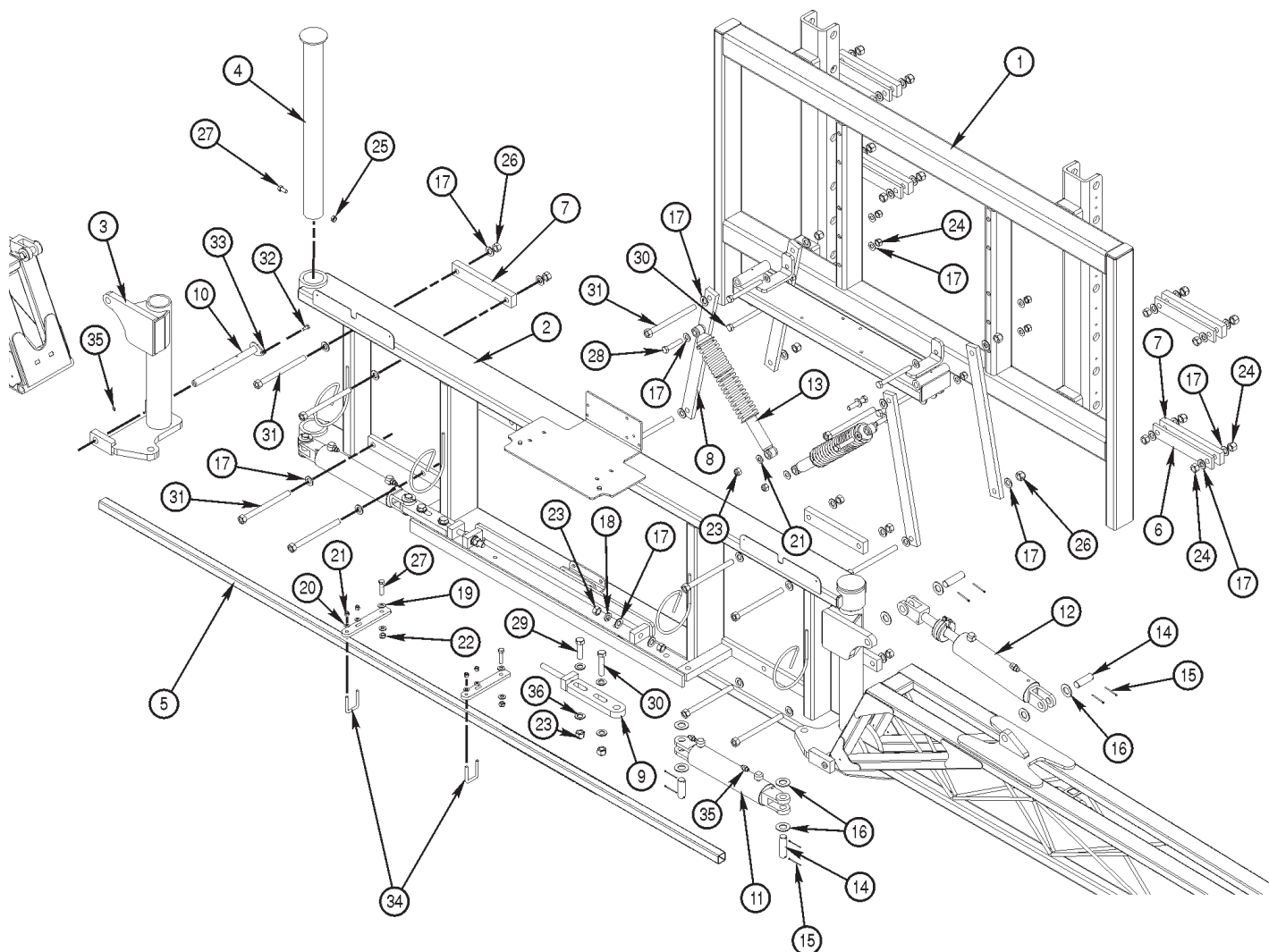
## All Models



| Item | Part Number | Qty | Description                             | Comments |
|------|-------------|-----|-----------------------------------------|----------|
| 1    | 903302604   | 4   | Screw, 8-32 x 3/4 USS Buttonhead Socket |          |
| 2    | 710000005   | 2   | Slim Line LED Marker Light              |          |
| 3    | 903302605   | 4   | Nut, 8-32 Keps Nut                      |          |
|      |             |     |                                         |          |
|      |             |     |                                         |          |
|      |             |     |                                         |          |
|      |             |     |                                         |          |
|      |             |     |                                         |          |

# Boom Suspension and Hydraulics

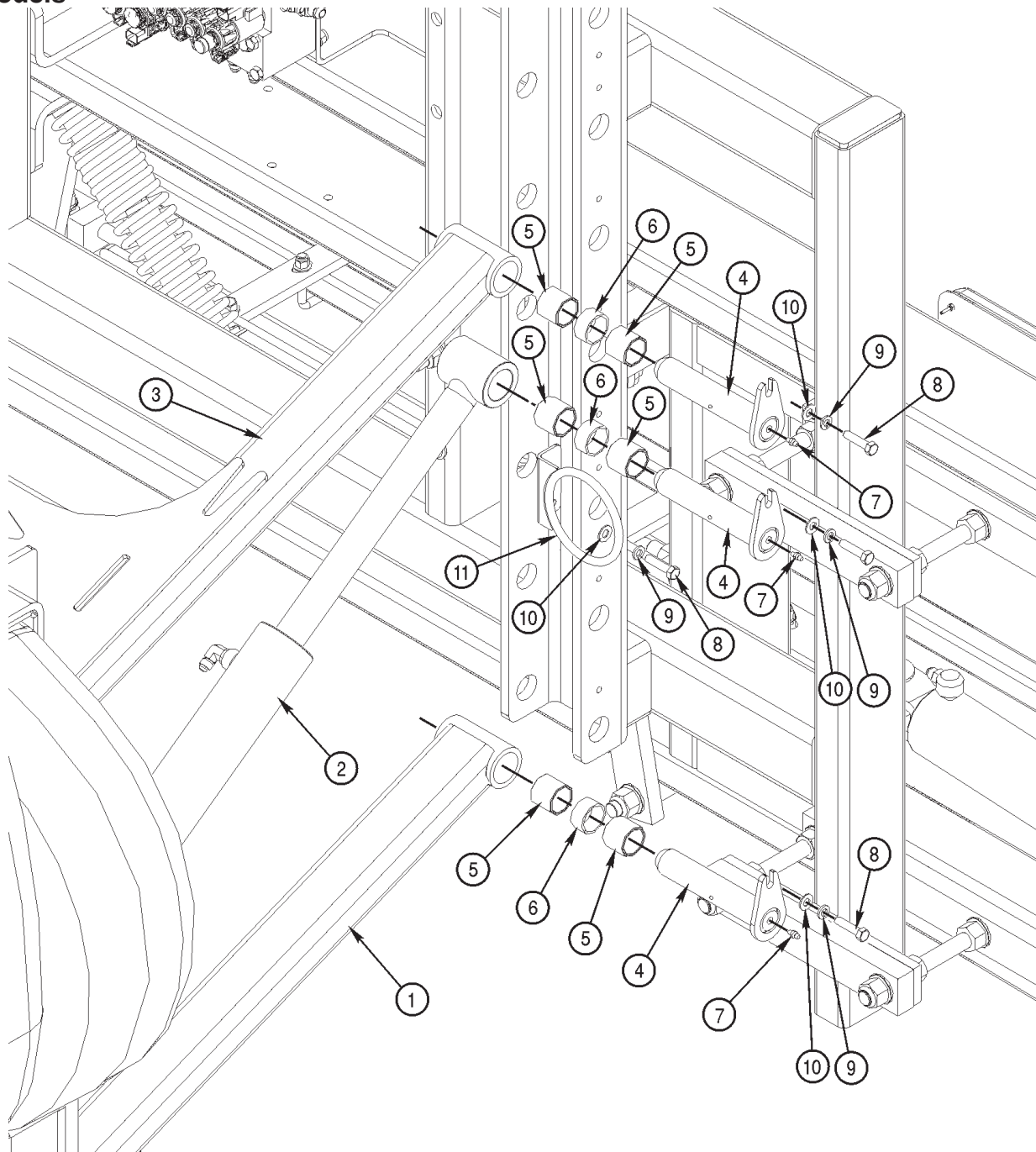
All Models



| Item | Part Number | Qty | Description                           | Comments               |
|------|-------------|-----|---------------------------------------|------------------------|
| 1    | 600901016   | 1   | Frame, Rear Center Section            |                        |
| 2    | 600901526   | 1   | Boom, Center Section                  |                        |
| 3A   | 600901092   | 1   | Tube, Pivot L/H                       |                        |
| 3B   | 600901093   | 1   | Tube, Pivot R/H                       |                        |
| 4    | 600901010   | 2   | Pin, Boom Pivot                       |                        |
| 5    | 600901005   | 1   | Rear Spray Bar                        |                        |
| 6    | 600901020   | 4   | Wear Pad, Nylon 1/2" Thick            |                        |
| 7    | 600901030   | 4   | Mount Plate, Steel 1" Thick           |                        |
| 8    | 600901122   | 4   | Link, Back Rack Four Bar              |                        |
| 9    | 600901091   | 2   | Adjuster Clevis, Boom                 |                        |
| 10   | 600901124   | 2   | Pin, Flag Inner Boom Pivot            |                        |
| 11   | 600901510   | 2   | Cylinder, 3 x 10 Boom Fold            | Seal Kit P/N 600901515 |
| 12   | 600901510   | 2   | Cylinder, 3 x 10 Boom Tilt            | Seal Kit P/N 600901515 |
| 13   | 600901251   | 2   | Shock, Boom Center Section            |                        |
| 14   | 600901519   | 4   | Pin, Cylinder 1" x 3" Barrel End      |                        |
| 15   | 600901521   | 16  | Pin, Cotter                           |                        |
| 16   | 902003080   | 16  | Washer, Flat 1"                       |                        |
| 17   | 902003001   | 16  | Washer, Flat 3/4 SAE                  |                        |
| 18   | 902351000   | 2   | Washer, Lock 3/4 SAE                  |                        |
| 19   | 902003210   | 2   | Washer, Flat 1/2 ZP                   |                        |
| 20   | 902003200   | 4   | Washer, Flat 3/8 ZP                   |                        |
| 21   | 901003020   | 4   | Nut, Nylock 3/8-16 ZP                 |                        |
| 22   | 901003040   | 2   | Nut, Nylock 1/2-13 ZP                 |                        |
| 23   | 900100038   | 4   | Nut, Lug Euclid 3/4-16 with cone      |                        |
| 24   | 901003074   | 8   | Nut, Nylock 3/4-10 ZP                 |                        |
| 25   | 901003040   | 2   | Nut, Nylock 1/2-13 ZP                 |                        |
| 26   | 901000779   | 16  | Nut, Hex 3/4-10 ZP                    |                        |
| 27   | 900003270   | 4   | Bolt, HHCS 1/2-13 x 2                 |                        |
| 28   | 900004011   | 4   | Bolt, HHCS 9/16-12 x 3.00 G5          |                        |
| 29   | 901000877   | 2   | Bolt, HHCS 3/4-16 x 3 1/2 G8          |                        |
| 30   | 901000878   | 2   | Bolt, HHCS 3/4-16 x 4 G8              |                        |
| 31   | 600901123   | 8   | Bolt, 3/4-10, Full Thread 9 1/4" Long |                        |
| 32   | 900002405   | 2   | Bolt, HHCS 1/4-20 x 1" G5 ZP          |                        |
| 33   | 902003035   | 2   | Washer, Flat 1/4" ZP                  |                        |
| 34   | 600901007   | 2   | U-Bolt, Rear Spray Bar                |                        |
| 35   | 800303022   | 4   | Fitting, 6 FLM x 6 ORM                |                        |
| 36   | 902000100   | 8   | Washer, Flat 3/4" Grade 8             |                        |

# Back Rack Mounting

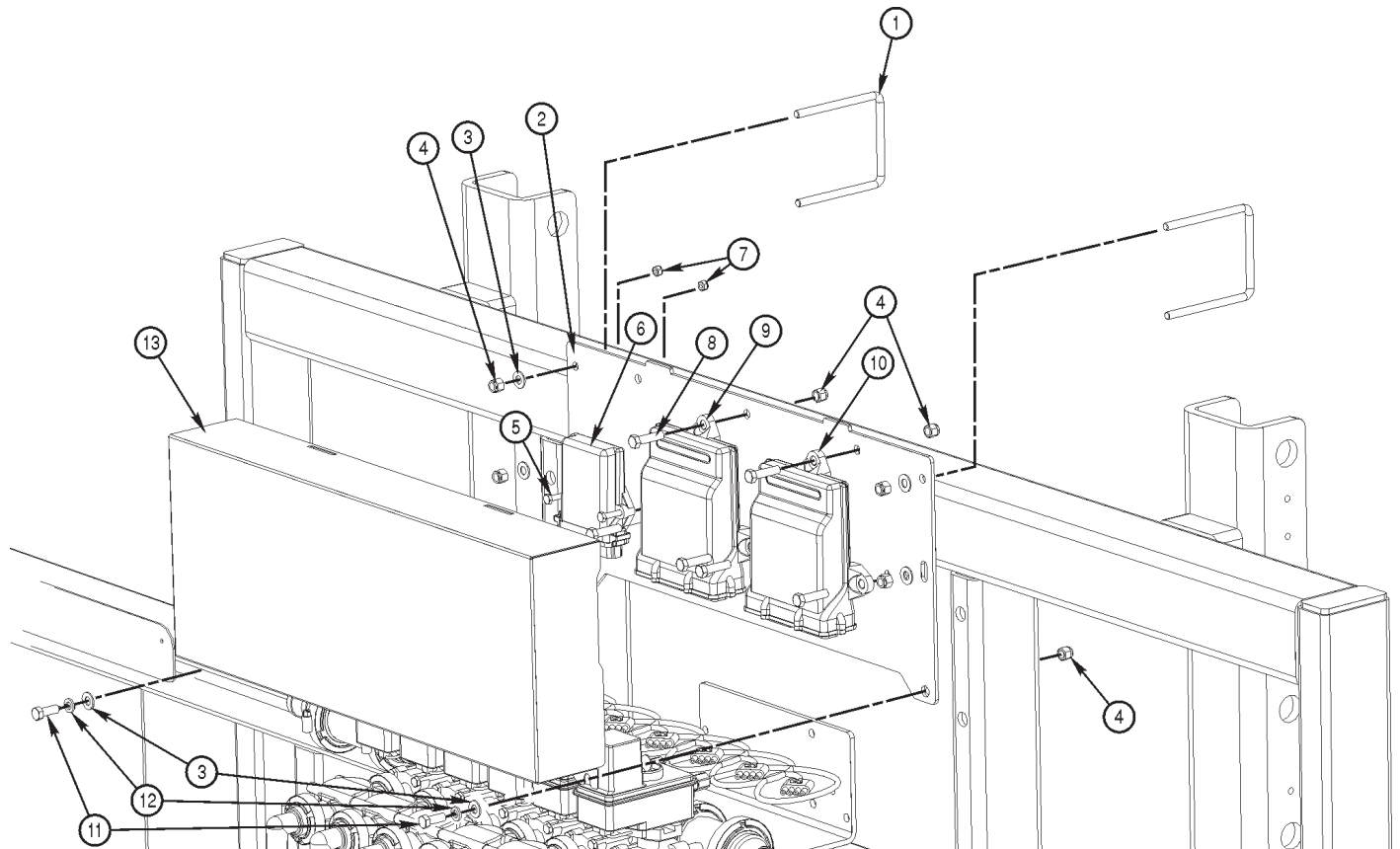
## All Models



| Item | Part Number | Qty | Description                                               | Comments               |
|------|-------------|-----|-----------------------------------------------------------|------------------------|
| 1    | 601000031   | 2   | Parallel Arm                                              |                        |
| 2    | 600901406   | 2   | Cylinder, Boom Rack Up/Down, 16.25" Stroke, Double Acting | Seal Kit P/N 600901408 |
| 3    | 601000021   | 1   | H-Bar                                                     |                        |
| 4    | 601000050   | 12  | Flag Pin, Parallel Arm                                    |                        |
| 5    | 601000040   | 24  | Bushing, Bronze                                           |                        |
| 6    | 601000041   | 10  | Bushing, Spacer Parallel Arm                              |                        |
| 7    | 915003000   | 12  | Zerk 1/8 NPT Straight                                     |                        |
| 8    | 900002835   | 12  | Bolt, HHCS 3/8-16 x 1 1/2 G5 ZP                           |                        |
| 9    | 902201090   | 12  | Washer, Lock 3/8" ZP                                      |                        |
| 10   | 902003200   | 12  | Washer, Flat 3/8" ZP                                      |                        |
| 11   | 690000303   | 1   | Bracket, Product Hose Hanger                              |                        |

## Raven Options

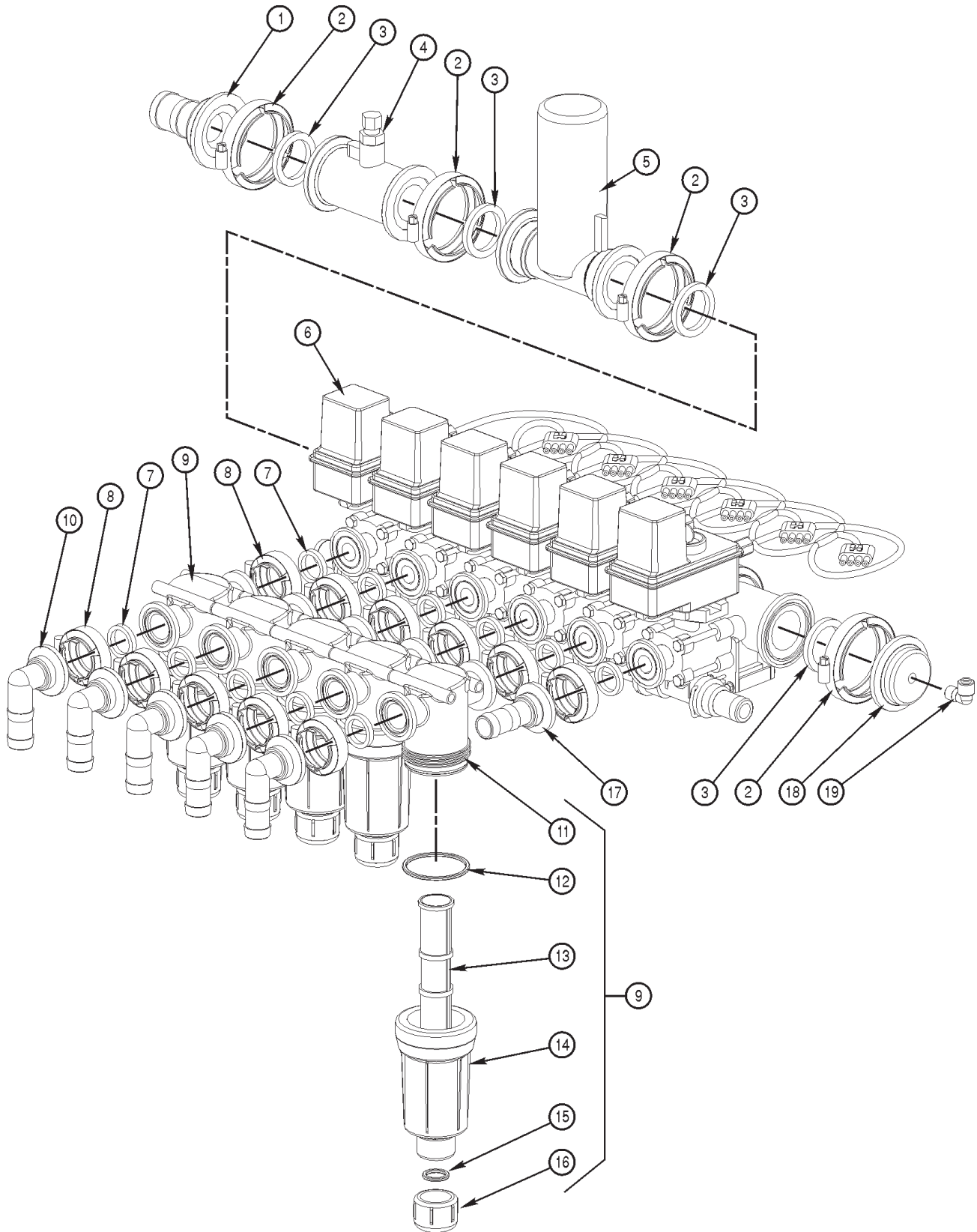
### All Equipped Models



| Item | Part Number | Qty | Description                     | Comments                     |
|------|-------------|-----|---------------------------------|------------------------------|
| 1    | 690000017   | 2   | U-Bolt, 3/8-16 x 4 W x 5 L      |                              |
| 2    | 690000013   | 1   | Bracket, Node Mounting          |                              |
| 3    | 902003045   | 2   | Washer, Flat 3/8                |                              |
| 4    | 901003020   | 10  | Nut, Nylock 3/8-16 ZP           |                              |
| 5    | 900002406   | 2   | Bolt, HHCS 1/4-20 x 1 1/4" G5   |                              |
| 6    | 611000011   | 1   | Product Node                    | ET labeled                   |
| 7    | 901003000   | 2   | Nut, Nylock 1/4-20 ZP           |                              |
| 8    | 900006604   | 6   | Bolt, HHCS 3/8-16 x 1 1/4       |                              |
| 9A   | 611000001   | 1   | Node, PowerGlide AutoBoom       | ET labeled                   |
| 9B   | 611000002   | 1   | Node, UltraGlide AutoBoom       | ET labeled                   |
| 10   | 611000004   | 1   | Node, AccuBoom                  | ET labeled                   |
| 11   | 900002815   | 2   | Bolt, HHCS 3/8-16 x 1 G5 ZP     |                              |
| 12   | 900002806   | 2   | Washer, Lock 3/8                |                              |
| 13   | 690000015   | 1   | Cover, Node Mounting, Back Rack |                              |
|      | 692000101   | A/R | Door Edge Molding, 5/16"        | Not shown. Sold by the foot. |

# Boom Valve

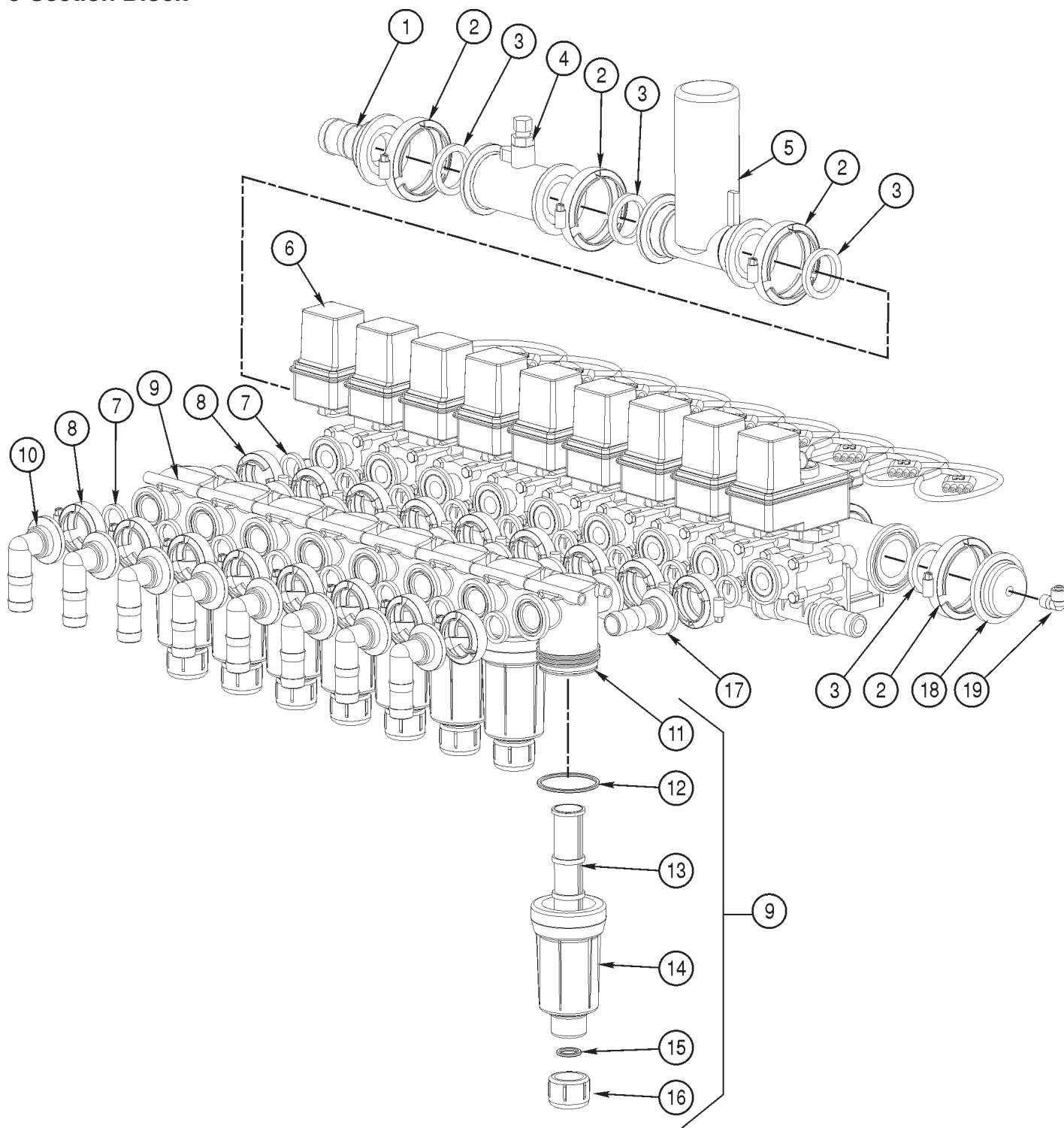
## 5-Section Block



| Item | Part Number | Qty | Description                             | Comments                                           |
|------|-------------|-----|-----------------------------------------|----------------------------------------------------|
| 1    | 640100018   | 1   | Fitting, 2" Flange x 1 1/2 Hose Banjo   |                                                    |
| 2    | 640100013   | 4   | Clamp, 2" Standard Port Banjo           |                                                    |
| 3    | 640100014   | 4   | Gasket, 2" Standard Port Banjo          |                                                    |
| 4    | 611000052   | 1   | Flow Meter with Sensor Raven 60P        | Sensor only Part # 611000069                       |
| 5    | 611000053   | 1   | Servo Valve                             |                                                    |
| 6A   | 660000920   | 1   | Assembly, Teejet Boom Valve 5 Bank      |                                                    |
| 6B   | 660000906   | A/R | Assembly, Teejet Boom Valve Single      |                                                    |
| 6C   | 660000907   | A/R | Teejet, Boom Valve, Motor Only          |                                                    |
| 6D   | 660000924   | A/R | Teejet, Ball Valve Only                 |                                                    |
| 7    | 640100016   | 11  | Gasket, Clamp 1" Banjo                  |                                                    |
| 8    | 640100015   | 11  | Clamp 1" Banjo                          |                                                    |
| 9    | 660000901   | 5   | Assembly, Tee Jet Strainer              | Includes items 11, 12, 13, 14,15 and 16.           |
| 10   | 640100023   | 5   | Fitting, 1 Barb x 1 Flange 90 Banjo     |                                                    |
| 11   | 660000911   | 5   | Strainer Head, Teejet Flanged 50-Series |                                                    |
| 12   | 660000908   | 10  | Gasket, 1" Teejet Strainer Top          |                                                    |
| 13   | 660000910   | 5   | Strainer, 50 Mesh 1" Teejet             |                                                    |
| 14   | 660000912   | 5   | Strainer Bowl, Teejet 1" NPT            |                                                    |
| 15   | 660000909   | 10  | Gasket, 1" Teejet Strainer Bottom       |                                                    |
| 16   | 660000913   | 5   | Strainer Cap, Teejet                    |                                                    |
| 17   | 640100053   | 1   | Fitting, Hose Barb 1" Banjo             |                                                    |
| 18   | 640100038   | 1   | Plug Access 2" x 1/4 NPT Banjo          |                                                    |
| 19   | 640020000   | 1   | Fitting 1/4" Popit 90 Degree            |                                                    |
|      |             |     |                                         |                                                    |
|      | 700000004   | 1   | Connector, Flowmeter on Machine Side    | Not shown                                          |
|      | 660000925   |     | O-ring, Viton (50 Series Teejet)        | Used between boom valves. Not shown                |
|      | 660000926   |     | O-ring, ID 15/16" OD 1-1/8", Viton      | Used for 1" flowback nozzle. Not shown             |
|      | 660000927   |     | O-ring, ID 13/16" OD 1", Viton          | Used for roto-flush. Not shown                     |
|      | 660000928   |     | Retaining Clip - Teejet Valve           | Used to join boom valves together. Not shown       |
|      | 660000929   |     | Retaining Clip - Teejet Valve           | Used to attach motor head to ball valve. Not shown |



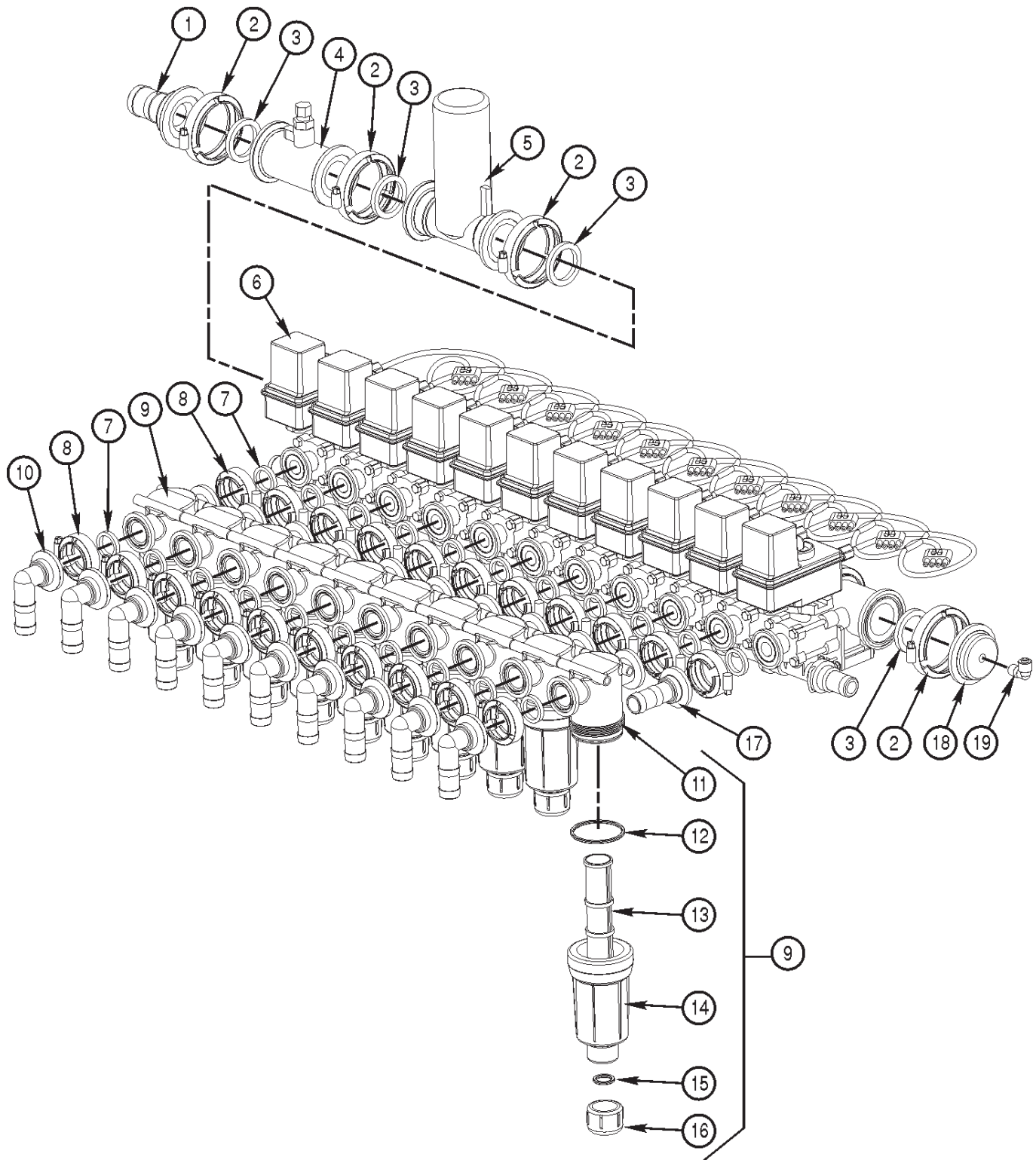
## 8-Section Block





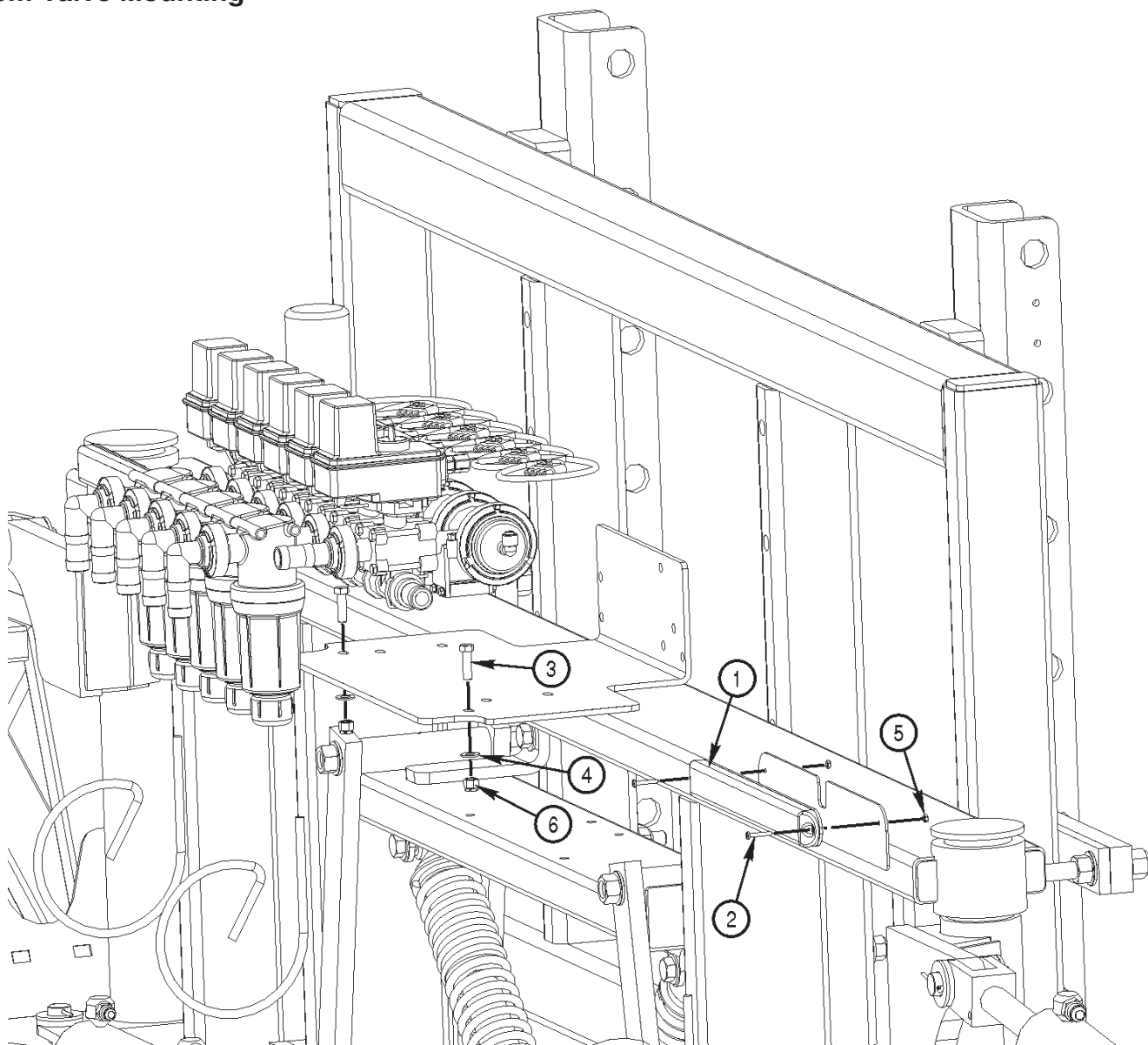
| Item | Part Number | Qty | Description                             | Comments                                           |
|------|-------------|-----|-----------------------------------------|----------------------------------------------------|
| 1    | 640100018   | 1   | Fitting, 2" Flange x 1 1/2 Hose Banjo   |                                                    |
| 2    | 640100013   | 4   | Clamp, 2" Standard Port Banjo           |                                                    |
| 3    | 640100014   | 4   | Gasket, 2" Standard Port Banjo          |                                                    |
| 4    | 611000052   | 1   | Flow Meter with Sensor Raven 60P        | Sensor only Part # 611000069                       |
| 5    | 611000053   | 1   | Servo Valve                             |                                                    |
| 6A   | 660000921   | 1   | Assembly, Teejet Boom Valve 8 Bank      |                                                    |
| 6B   | 660000906   | A/R | Assembly, Teejet Boom Valve Single      |                                                    |
| 6C   | 660000907   | A/R | Teejet, Boom Valve, Motor Only          |                                                    |
| 6D   | 660000924   | A/R | Teejet, Ball Valve Only                 |                                                    |
| 7    | 640100016   | 17  | Gasket, Clamp 1" Banjo                  |                                                    |
| 8    | 640100015   | 17  | Clamp 1" Banjo                          |                                                    |
| 9    | 660000901   | 8   | Assembly, Tee Jet Strainer              | Includes items 11, 12, 13, 14, 15 and 16.          |
| 10   | 640100023   | 8   | Fitting, 1 Barb x 1 Flange 90 Banjo     |                                                    |
| 11   | 660000911   | 8   | Strainer Head, Teejet Flanged 50-Series |                                                    |
| 12   | 660000908   | 16  | Gasket, 1" Teejet Strainer Top          |                                                    |
| 13   | 660000910   | 8   | Strainer, 50 Mesh 1" Teejet             |                                                    |
| 14   | 660000912   | 8   | Strainer Bowl, Teejet 1" NPT            |                                                    |
| 15   | 660000909   | 16  | Gasket, 1" Teejet Strainer Bottom       |                                                    |
| 16   | 660000913   | 8   | Strainer Cap, Teejet                    |                                                    |
| 17   | 640100053   | 1   | Fitting, Hose Barb 1" Banjo             |                                                    |
| 18   | 640100038   | 1   | Plug Access 2" x 1/4 NPT Banjo          |                                                    |
| 19   | 640020000   | 1   | Fitting 1/4" Popit 90 Degree            |                                                    |
|      |             |     |                                         |                                                    |
|      | 700000004   | 1   | Connector, Flowmeter on Machine Side    | Not shown                                          |
|      | 660000925   |     | O-ring, Viton (50 Series Teejet)        | Used between boom valves. Not shown                |
|      | 660000926   |     | O-ring, ID 15/16" OD 1-1/8", Viton      | Used for 1" flowback nozzle. Not shown             |
|      | 660000927   |     | O-ring, ID 13/16" OD 1", Viton          | Used for roto-flush. Not shown                     |
|      | 660000928   |     | Retaining Clip - Teejet Valve           | Used to join boom valves together. Not shown       |
|      | 660000929   |     | Retaining Clip - Teejet Valve           | Used to attach motor head to ball valve. Not shown |

## 10-Section Block



| Item | Part Number | Qty | Description                             | Comments                                           |
|------|-------------|-----|-----------------------------------------|----------------------------------------------------|
| 1    | 640100018   | 1   | Fitting, 2" Flange x 1 1/2 Hose Banjo   |                                                    |
| 2    | 640100013   | 4   | Clamp, 2" Standard Port Banjo           |                                                    |
| 3    | 640100014   | 4   | Gasket, 2" Standard Port Banjo          |                                                    |
| 4    | 611000052   | 1   | Flow Meter with Sensor Raven 60P        | Sensor only Part # 611000069                       |
| 5    | 611000053   | 1   | Servo Valve                             |                                                    |
| 6A   | 660000922   | 1   | Assembly, Teejet Boom Valve 10 Bank     |                                                    |
| 6B   | 660000906   | A/R | Assembly, Teejet Boom Valve Single      |                                                    |
| 6C   | 660000907   | A/R | Teejet, Boom Valve, Motor Only          |                                                    |
| 6D   | 660000924   | A/R | Teejet, Ball Valve Only                 |                                                    |
| 7    | 640100016   | 21  | Gasket, Clamp 1" Banjo                  |                                                    |
| 8    | 640100015   | 21  | Clamp 1" Banjo                          |                                                    |
| 9    | 660000901   | 10  | Assembly, Tee Jet Strainer              | Includes items 11, 12, 13, 14, 15 and 16.          |
| 10   | 640100023   | 10  | Fitting, 1 Barb x 1 Flange 90 Banjo     |                                                    |
| 11   | 660000911   | 10  | Strainer Head, Teejet Flanged 50-Series |                                                    |
| 12   | 660000908   | 20  | Gasket, 1" Teejet Strainer Top          |                                                    |
| 13   | 660000910   | 10  | Strainer, 50 Mesh 1" Teejet             |                                                    |
| 14   | 660000912   | 10  | Strainer Bowl, Teejet 1" NPT            |                                                    |
| 15   | 660000909   | 20  | Gasket, 1" Teejet Strainer Bottom       |                                                    |
| 16   | 660000913   | 10  | Strainer Cap, Teejet                    |                                                    |
| 17   | 640100053   | 1   | Fitting, Hose Barb 1" Banjo             |                                                    |
| 18   | 640100038   | 1   | Plug Access 2" x 1/4 NPT Banjo          |                                                    |
| 19   | 640020000   | 1   | Fitting 1/4" Popit 90 Degree            |                                                    |
|      |             |     |                                         |                                                    |
|      | 700000004   | 1   | Connector, Flowmeter on Machine Side    | Not shown                                          |
|      | 660000925   |     | O-ring, Viton (50 Series Teejet)        | Used between boom valves. Not shown                |
|      | 660000926   |     | O-ring, ID 15/16" OD 1-1/8", Viton      | Used for 1" flowback nozzle. Not shown             |
|      | 660000927   |     | O-ring, ID 13/16" OD 1", Viton          | Used for roto-flush. Not shown                     |
|      | 660000928   |     | Retaining Clip - Teejet Valve           | Used to join boom valves together. Not shown       |
|      | 660000929   |     | Retaining Clip - Teejet Valve           | Used to attach motor head to ball valve. Not shown |

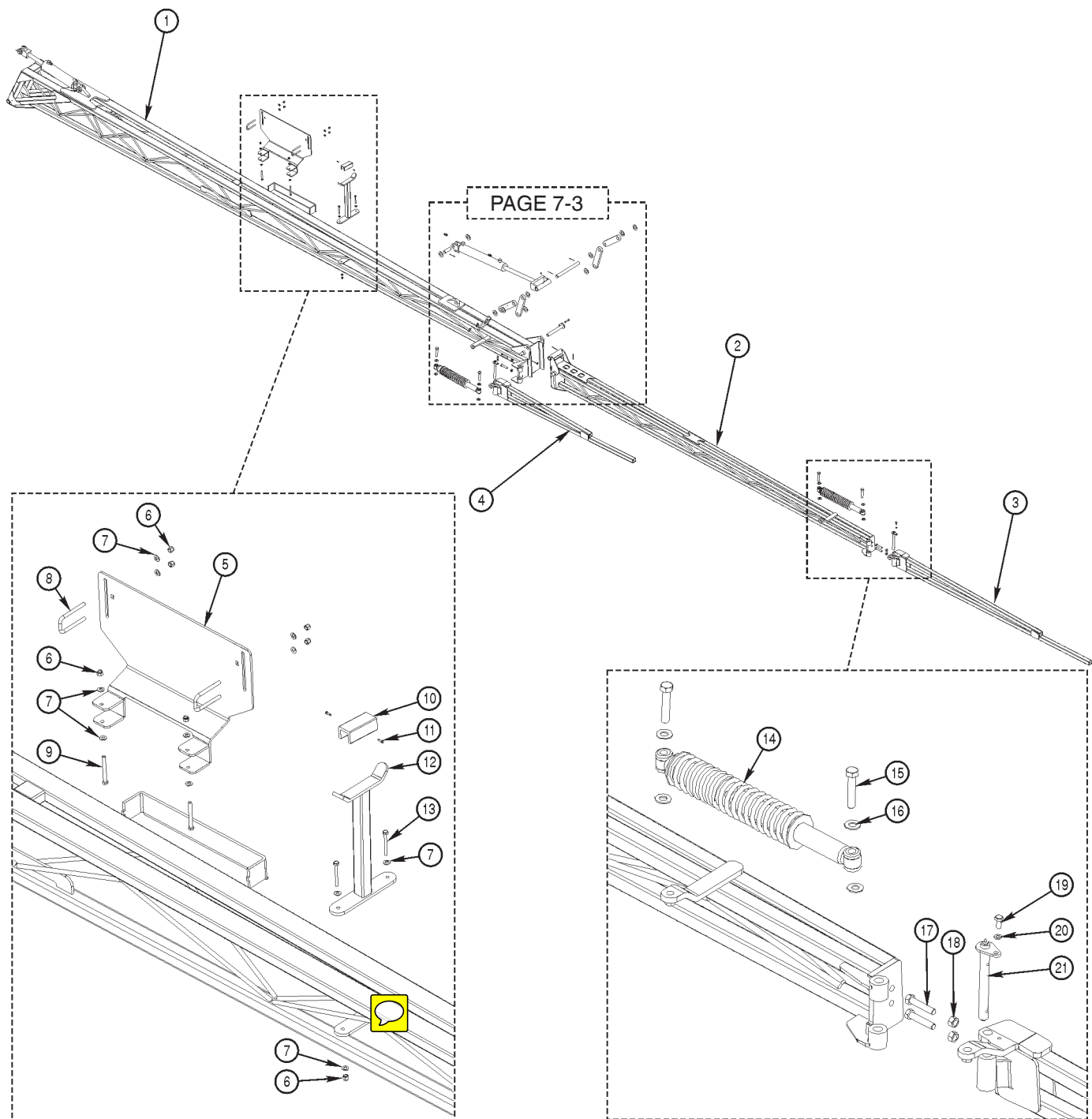
## Boom Valve Mounting



| Item | Part Number | Qty | Description                             | Comments |
|------|-------------|-----|-----------------------------------------|----------|
| 1    | 710000005   | 2   | Slim Line LED Marker Light              |          |
| 2    | 903302604   | 4   | Screw, 8-32 x 3/4 USS Buttonhead Socket |          |
| 3    | 900002610   | 2   | Bolt, HHCS 5/16-18 x 1 G5 ZP            |          |
| 4    | 902003195   | 2   | Washer, Flat 5/16 G5 ZP                 |          |
| 5    | 903302605   | 4   | Nut, 8-32 Keps                          |          |
| 6    | 901003010   | 2   | Nut, Nylock 5/16-18 ZP                  |          |

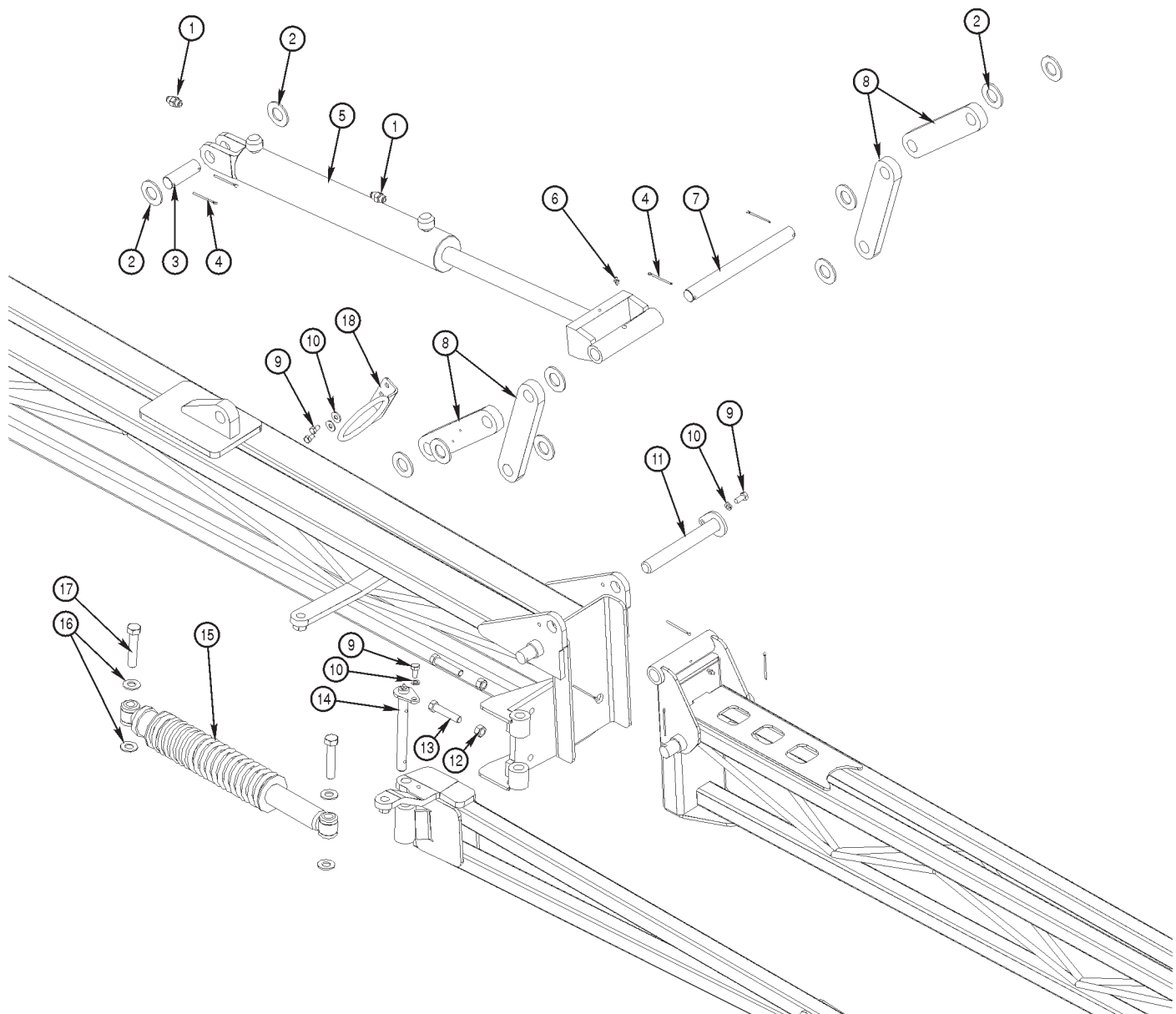
# Boom

## Wing Assembly, Hanger and Rest



| Item | Part Number | Qty | Description                                      | Comments                          |
|------|-------------|-----|--------------------------------------------------|-----------------------------------|
| 1A   | 600902038   | 1   | Inner Boom, Right Hand , 2" Bottom Tube          | 60',80',90',60/80 and 60/90 Booms |
| 1B   | 600902039   | 1   | Inner Boom, Left Hand , 2" Bottom Tube           | 60',80',90',60/80 and 60/90 Booms |
| 1C   | 600902041   | 1   | Inner Boom, Left and Right Hand , 2" Bottom Tube | 100' Booms                        |
| 2A   | 600902042   | 1   | Intermediate Boom, Right Hand                    | 80' and 60/80 Booms               |
| 2B   | 600902043   | 1   | Intermediate Boom, Left Hand                     | 80' and 60/80 Booms               |
| 2C   | 600902044   | 1   | Intermediate Boom, Right Hand                    | 90' and 60/90 Booms               |
| 2D   | 600902045   | 1   | Intermediate Boom, Left Hand                     | 90' and 60/90 Booms               |
| 2E   | 600902046   | 1   | Intermediate Boom, Right Hand                    | 100' Booms                        |
| 2F   | 600902047   | 1   | Intermediate Boom, Left Hand                     | 100' Booms                        |
| 3A   | 600902048   | 1   | Outer Breakaway, Right Hand                      | 100' Booms                        |
| 3B   | 600902049   | 1   | Outer Breakaway, Left Hand                       | 100' Booms                        |
| 3C   | 600902050   | 1   | Outer Breakaway, Right Hand                      | 80',90',60/80 and 60/90 Booms     |
| 3D   | 600902051   | 1   | Outer Breakaway, Left Hand                       | 80',90',60/80 and 60/90 Booms     |
| 4A   | 600902052   | 1   | Inner Breakaway, Right Hand 60' section          | 60', 60/80, 60/90 Booms           |
| 4B   | 600902053   | 1   | Inner Breakaway, Left Hand 60' section           | 60', 60/80, 60/90 Booms           |
| 4C   | 600902054   | 1   | Inner Breakaway, Right Hand                      | 66/90 Booms                       |
| 4D   | 600902055   | 1   | Inner Breakaway, Left Hand                       | 66/90 Booms                       |
| 5    | 600901232   | 2   | Hanger, Boom 2" Bottom Tube                      |                                   |
| 6    | 901003020   | 16  | Nut, Nylock 3/8-16 ZP                            |                                   |
| 7    | 902003200   | 24  | Washer, Flat 3/8 G5 ZP                           |                                   |
| 8    | 620000854   | 4   | U-Bolt 3/8 x 2 x 4                               |                                   |
| 9    | 900002875   | 4   | Bolt, HHCS 3/8-16 x 3 1/2 G5 ZP                  |                                   |
| 10   | 600901032   | 2   | Bumper, Rubber Boom Rest                         |                                   |
| 11   | 915001301   | 4   | Screw, Self Tap 12 x 3/4 Hex                     |                                   |
| 12   | 600901109   | 2   | Boom Rest                                        |                                   |
| 13   | 900002865   | 4   | Bolt, HHCS 3/8-16 X 3 G5 ZP                      |                                   |
| 14   | 600901251   | 1   | Shock, Boom                                      |                                   |
| 15   | 900004011   | 2   | Bolt, HHCS 9/16-12 x 3" G5 ZP                    |                                   |
| 16   | 902201126   | 4   | Washer, Flat 9/16 ZP                             |                                   |
| 17   | 900003265   | 2   | Bolt, HHCS 1/2-13 X 2 1/2" G5 ZP                 |                                   |
| 18   | 901000005   | 4   | Nut, Hex 1/2-13 ZP                               |                                   |
| 19   | 915003012   | 1   | Zerk Fitting, 5/16-24 Flagpin                    |                                   |
| 20   | 900002806   | 2   | Washer, Lock 3/8"                                |                                   |
| 21   | 600901127   | 1   | Pin, Flag Boom Breakaway                         |                                   |

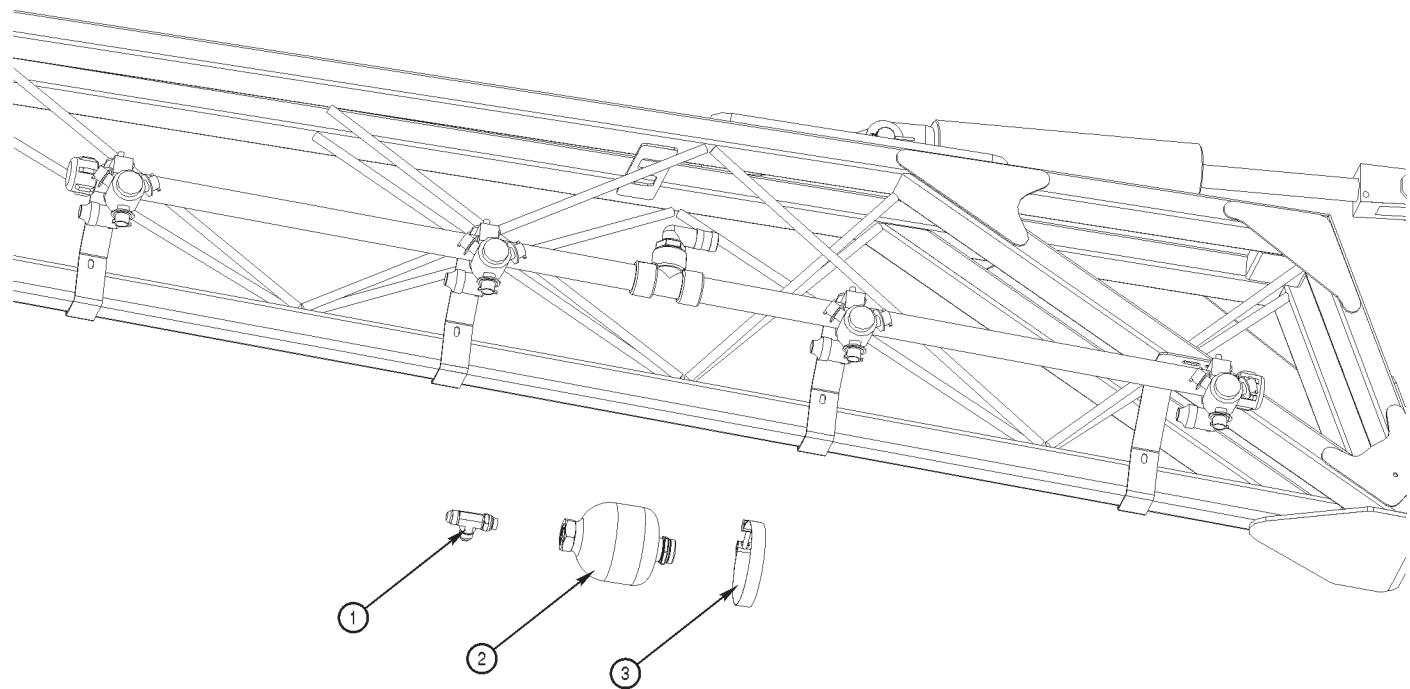
## Inner Break Away and Linkage



| Item | Part Number | Qty | Description                      | Comments                                     |
|------|-------------|-----|----------------------------------|----------------------------------------------|
| 1    | 800303022   | 2   | Fitting, 6 FLM x 6 ORM ST        |                                              |
| 2    | 902002049   | 12  | Washer, Flat Fender 1" Boom      |                                              |
| 3    | 600901519   | 1   | Pin, Cylinder 1" x 3" Barrel End |                                              |
| 4    | 600901521   | 6   | Cotter Pin                       |                                              |
| 5A   | 600901511   | 1   | Cylinder, 2.5" x 16 Boom Tip     | Seal Kit P/N 600901516                       |
| 5B   | 600901508   | 1   | Cylinder, 3" x 16 Boom Tip       | (100 foot booms only) Seal Kit P/N 600901507 |
| 6    | 915003010   | 5   | Zerk, Grease 1/4" NPT Straight   |                                              |
| 7    | 600901524   | 1   | Pin, Boom Linkage 1" OD x 11"    |                                              |
| 8    | 600901237   | 4   | Linkage Arm                      |                                              |
| 9    | 900002805   | 4   | Bolt, HHCS 3/8-16 x 3/4 G5 ZP    |                                              |
| 10   | 900002806   | 4   | Washer, Lock 3/8"                |                                              |
| 11   | 600901125   | 1   | Pin, Flag Inner Boom Pivot       |                                              |
| 12   | 901000005   | 4   | Nut, Hex 1/2-13                  |                                              |
| 13   | 900003265   | 2   | Bolt, HHCS 1/2-13 x 2 1/2 G5 ZP  |                                              |
| 14   | 600901127   | 1   | Pin, Flag Boom Breakaway         |                                              |
| 15   | 600901251   | 1   | Shock, Boom                      |                                              |
| 16   | 902201126   | 4   | Washer, Flat 9/16                |                                              |
| 17   | 900004011   | 2   | Bolt, HHCS 9/16-12 x 3.00 GR 5   |                                              |
| 18   | 690000303   | 1   | Bracket, Product Hose Hanger     |                                              |

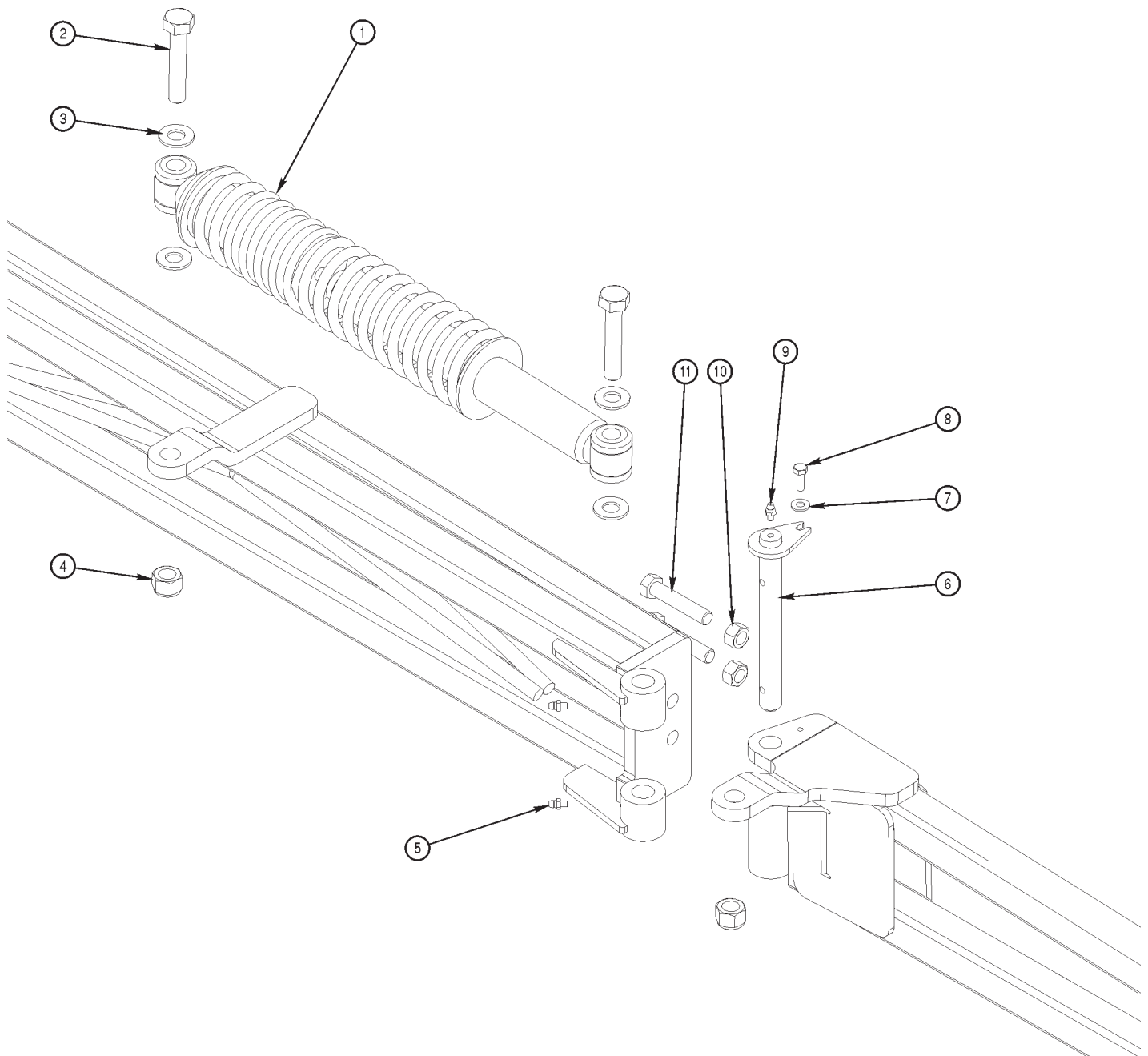


Wing Accumulator



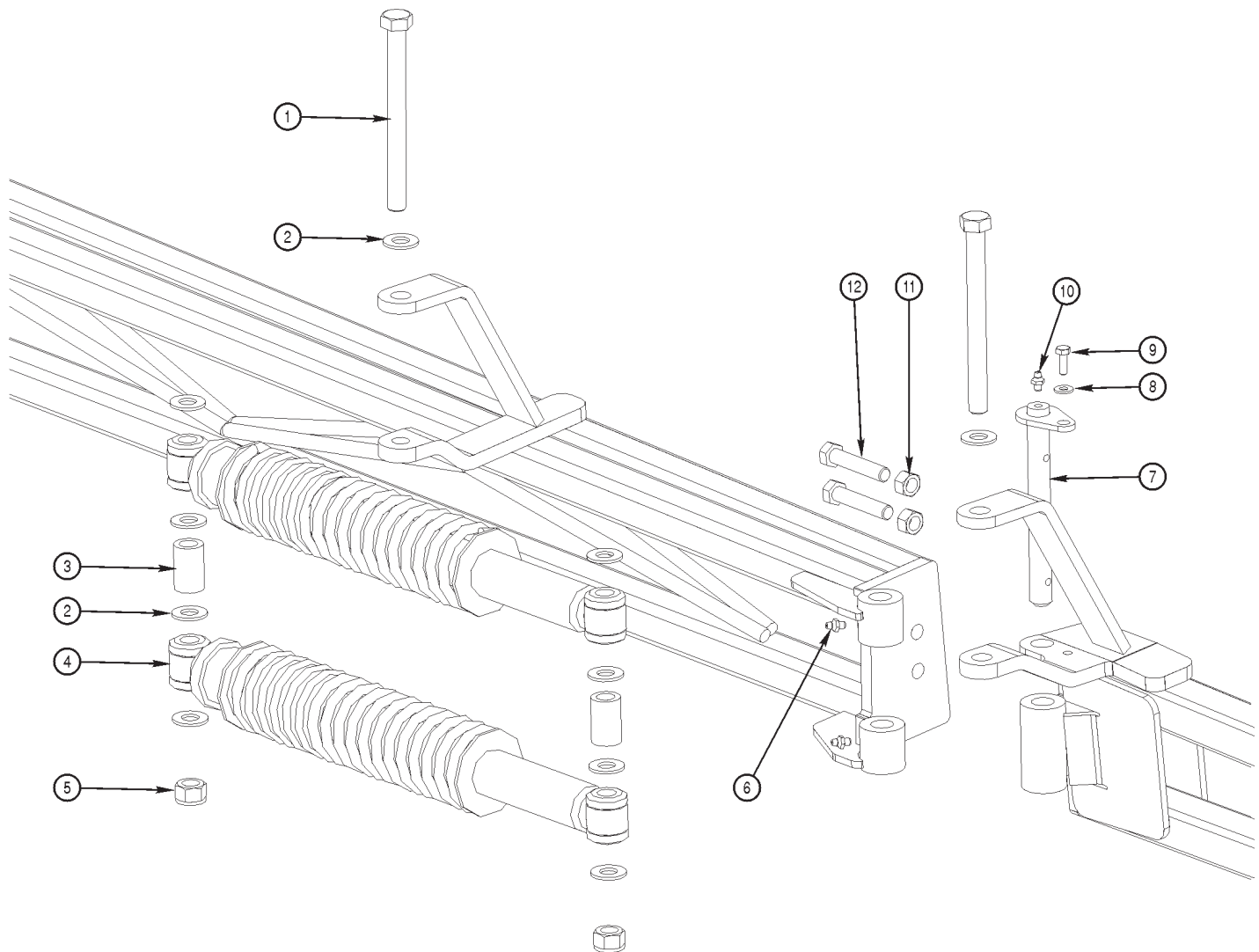
| Item | Part Number | Qty | Description                     | Comments |
|------|-------------|-----|---------------------------------|----------|
| 1    | 800302214   | 1   | Fitting, 8 ORM x 8 FLM x 8 FLM  |          |
| 2    | 600901513   | 1   | Accumulator, Boom Wing 20 cubic |          |
| 3    | 600901522   | 1   | Clamp, Accumulator Boom Wing    |          |
|      |             |     |                                 |          |
|      |             |     |                                 |          |

## Outer Break Away (80' and 90' Booms)



| Item | Part Number | Qty | Description                      | Comments |
|------|-------------|-----|----------------------------------|----------|
| 1    | 600901251   | 1   | Shock, Boom                      |          |
| 2    | 900004011   | 2   | Bolt, HHCS 9/16-12 x 3" G5 ZP    |          |
| 3    | 902201126   | 4   | Washer, Flat 9/16" ZP            |          |
| 4    | 901000003   | 2   | 9/16-12 Nut, Nylock              |          |
| 5    | 915003010   | 3   | Zerk, Grease 1/4" NPT ST         |          |
| 6    | 600901127   | 1   | Pin, Flag Boom Breakaway         |          |
| 7    | 900002806   | 2   | Washer, Lock 3/8"                |          |
| 8    | 900002805   | 2   | Bolt, HHCS 3/8-16 x 3/4"         |          |
| 9    | 915003012   | 1   | Zerk Fitting, 5/16-24 Flagpin    |          |
| 10   | 901000005   | 4   | Nut, Hex 1/2-13 ZP               |          |
| 11   | 900003265   | 2   | Bolt, HHCS 1/2-13 x 2 1/2" G5 ZP |          |

## Outer Break Away (100' Booms)

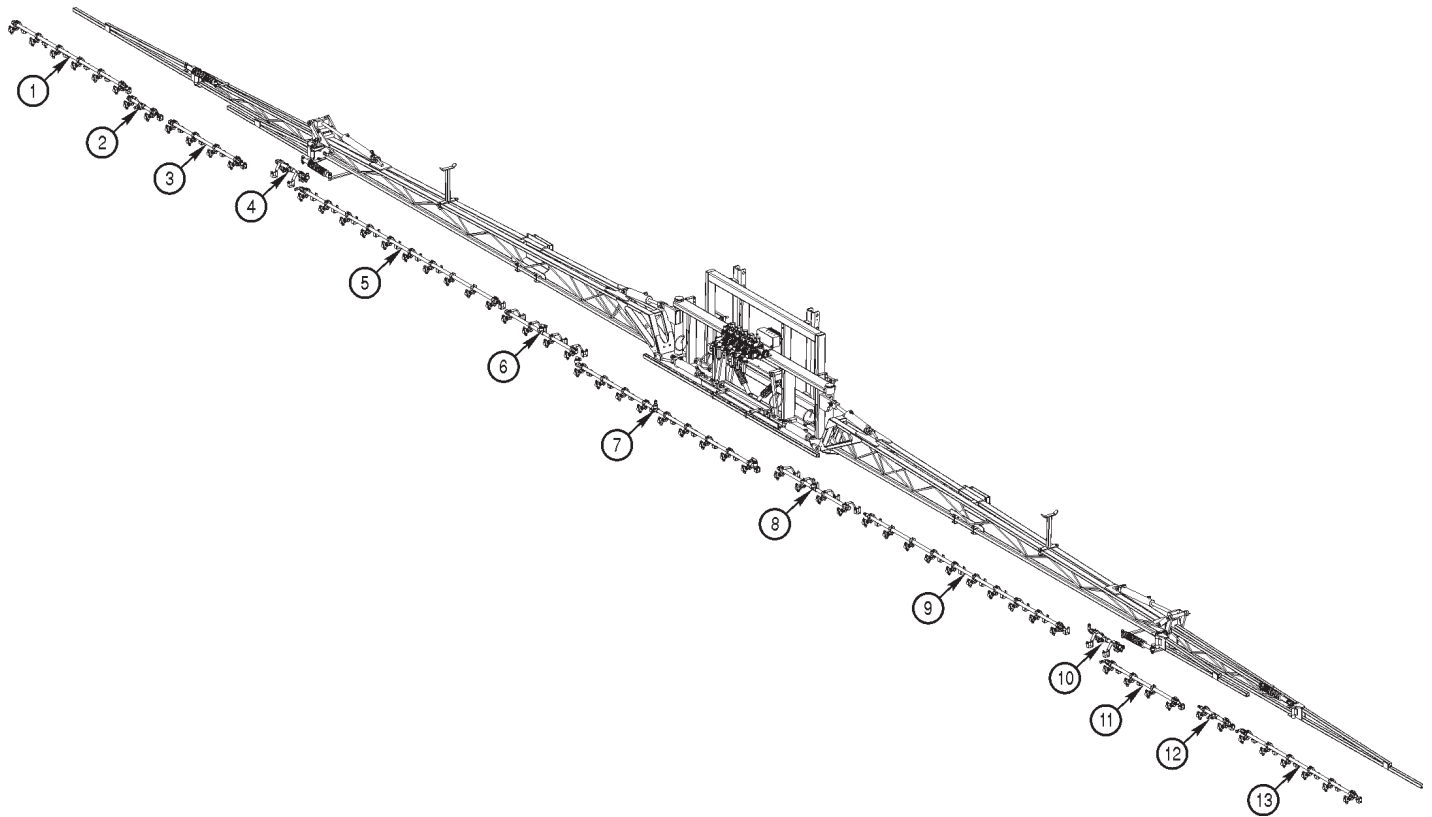


| Item | Part Number | Qty | Description                       | Comments |
|------|-------------|-----|-----------------------------------|----------|
| 1    | 900004009   | 2   | Bolt, HHCS 9/16-12 x 6 1/2" G5 ZP |          |
| 2    | 902201126   | 4   | Washer, Flat 9/16" ZP             |          |
| 3    | 600901249   | 2   | Spacer, Boom Shock                |          |
| 4    | 600901251   | 2   | Shock, Boom                       |          |
| 5    | 901000003   | 2   | 9/16-12 Nut, Nylock               |          |
| 6    | 915003010   | 3   | Zerk, Grease 1/4" NPT ST          |          |
| 7    | 600901127   | 1   | Pin, Flag Boom Breakaway          |          |
| 8    | 900002806   | 2   | Washer, Lock 3/8"                 |          |
| 9    | 900002805   | 2   | Bolt, HHCS 3/8-16 x 3/4"          |          |
| 10   | 915003012   | 1   | Zerk Fitting, 5/16-24 Flagpin     |          |
| 11   | 901000005   | 4   | Nut, Hex 1/2-13 ZP                |          |
| 12   | 900003265   | 2   | Bolt, HHCS 1/2-13 x 2 1/2" G5 ZP  |          |

## Boom Plumbing

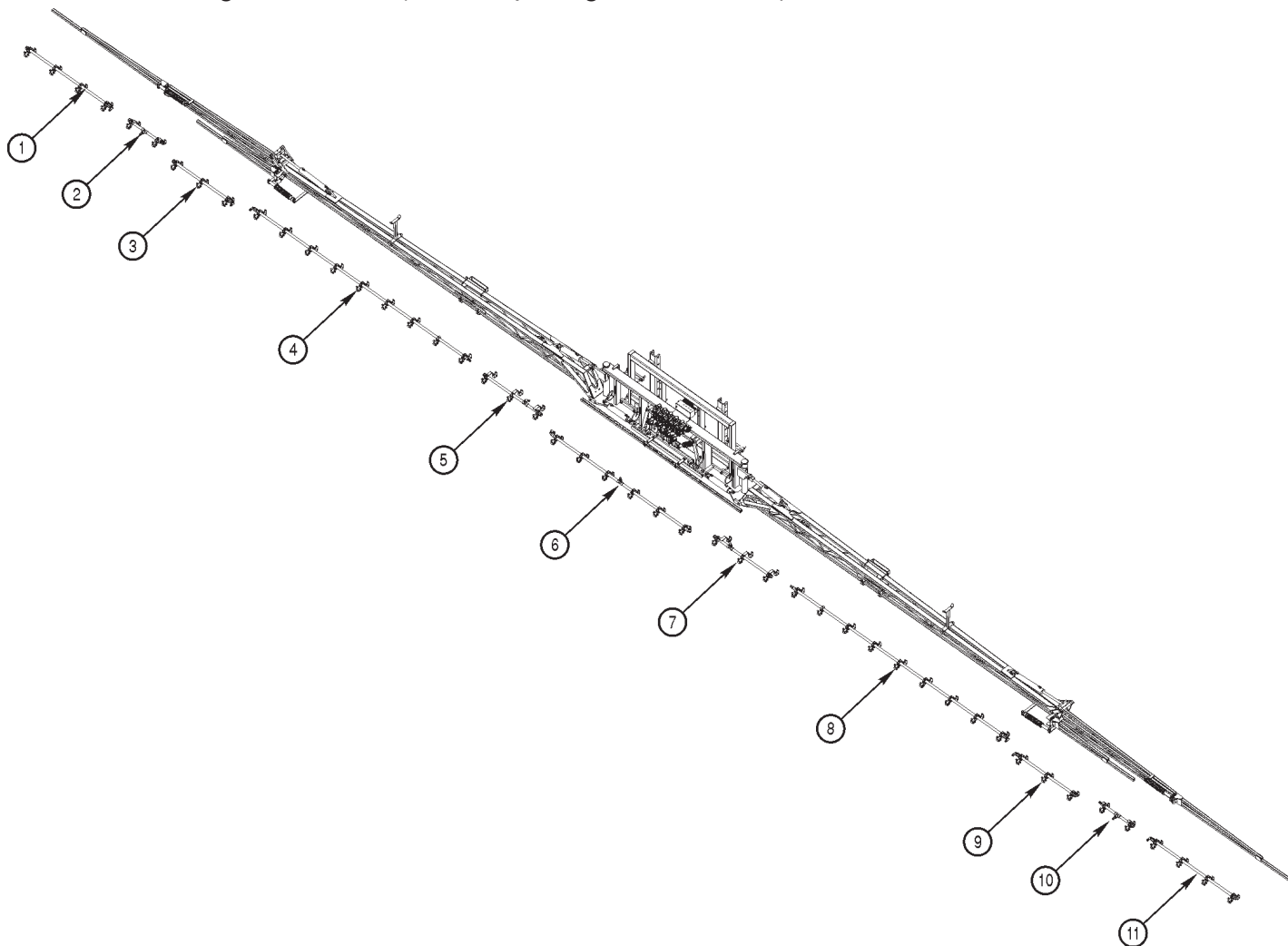
### 5 Section Block

60'-80' and Straight 80' Boom (nozzle spacing 15" on center)



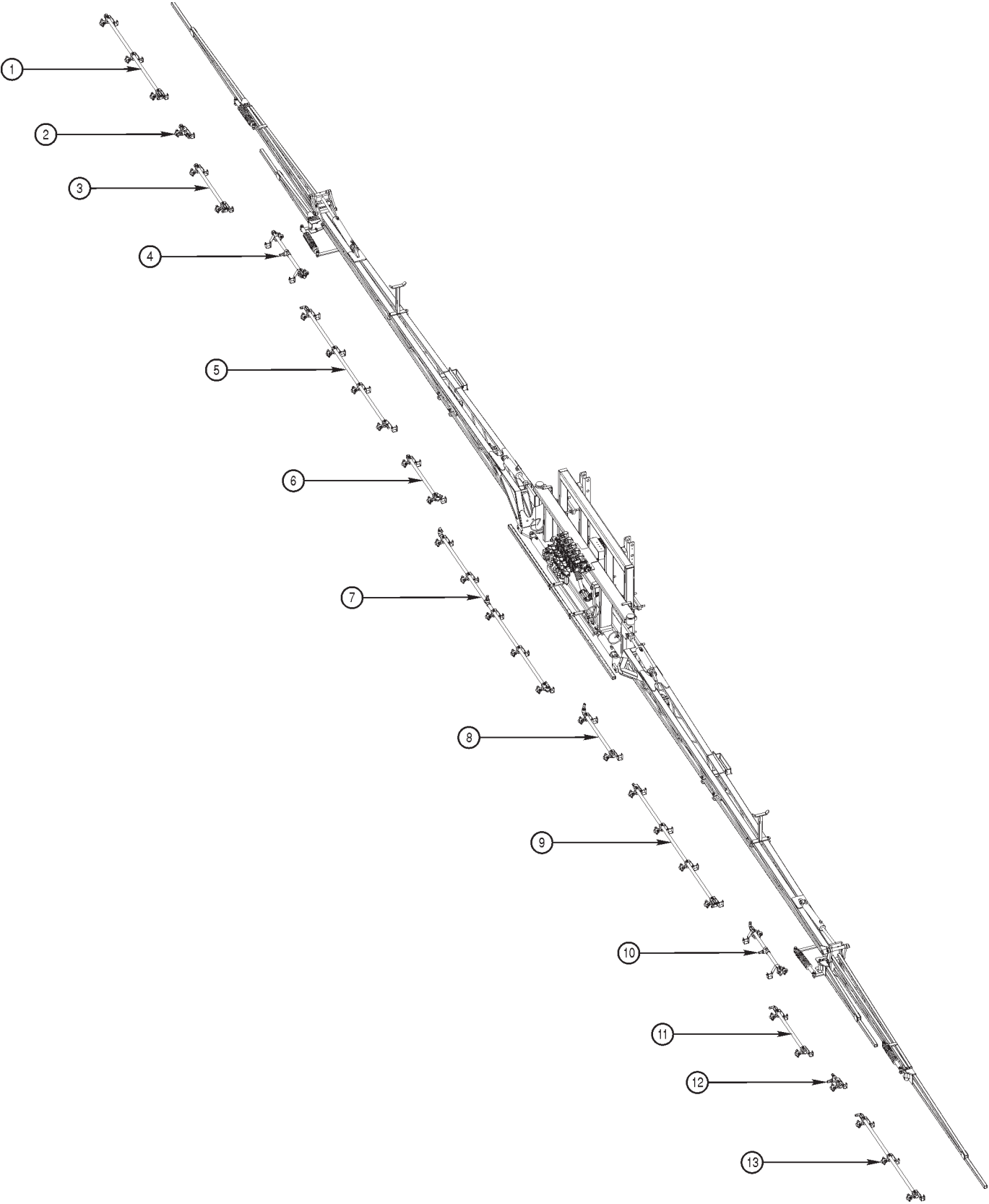
| Item | Part Number | Qty | Description                       | Comments                                                |
|------|-------------|-----|-----------------------------------|---------------------------------------------------------|
| 1    | 690001195   | 1   | Spray Bar, Brkwy 15 RS 75 LNG LH  | Does not include nozzle body brackets and nozzle bodies |
| 2    | 690001197   | 1   | Spray Bar, Inter 15 RS 15 LNG LH  | Does not include nozzle body brackets and nozzle bodies |
| 3    | 690001191   | 1   | Spray Bar, Brkwy 15 RS 45 LNG LH  | Does not include nozzle body brackets and nozzle bodies |
| 4    | 690001189   | 1   | Spray Bar, Inner 15 RS 15 LNG LH  | Does not include nozzle body brackets and nozzle bodies |
| 5    | 690001187   | 1   | Spray Bar, Inner 15 RS 135 LNG LH | Does not include nozzle body brackets and nozzle bodies |
| 6    | 690001186   | 1   | Spray Bar, Inner 15 RS 45 LNG LH  | Does not include nozzle body brackets and nozzle bodies |
| 7    | 690001752   | 1   | Spray Bar, Center 15 RS 120 LNG   | Does not include nozzle body brackets and nozzle bodies |
| 8    | 690001180   | 1   | Spray Bar, Inner 15 RS 45 LNG RH  | Does not include nozzle body brackets and nozzle bodies |
| 9    | 690001181   | 1   | Spray Bar, Inner 15 RS 135 LNG RH | Does not include nozzle body brackets and nozzle bodies |
| 10   | 690001188   | 1   | Spray Bar, Inner 15 RS 15 LNG RH  | Does not include nozzle body brackets and nozzle bodies |
| 11   | 690001190   | 1   | Spray Bar, Brkwy 15 RS 45 LNG RH  | Does not include nozzle body brackets and nozzle bodies |
| 12   | 690001196   | 1   | Spray Bar, Inter 15 RS 15 LNG RH  | Does not include nozzle body brackets and nozzle bodies |
| 13   | 690001194   | 1   | Spray Bar, Brkwy 15 RS 75 LNG RH  | Does not include nozzle body brackets and nozzle bodies |
|      | 690001771   | 1   | Boom Plumbing, Assy 60/80 15 RS   | Includes 1 each of Items 1 - 13                         |
|      | RM800860    | 1   | Black Poly Pipe, 1"               |                                                         |
|      | 640000420   | 1   | Hose Barb, 1"                     |                                                         |
|      | 640000520   | 1   | Hose Barb 90, 1"                  |                                                         |
|      | 640010200   | 1   | Coupling, 1"                      |                                                         |
|      | 640001020   | 1   | Tee, 1"                           |                                                         |
|      | 640000100   | 1   | Cap, 1"                           |                                                         |
|      | 640100133   | 1   | Female Hose Barb, 1"              |                                                         |

## 60'-80' and Straight 80' Boom (nozzle spacing 20" on center)



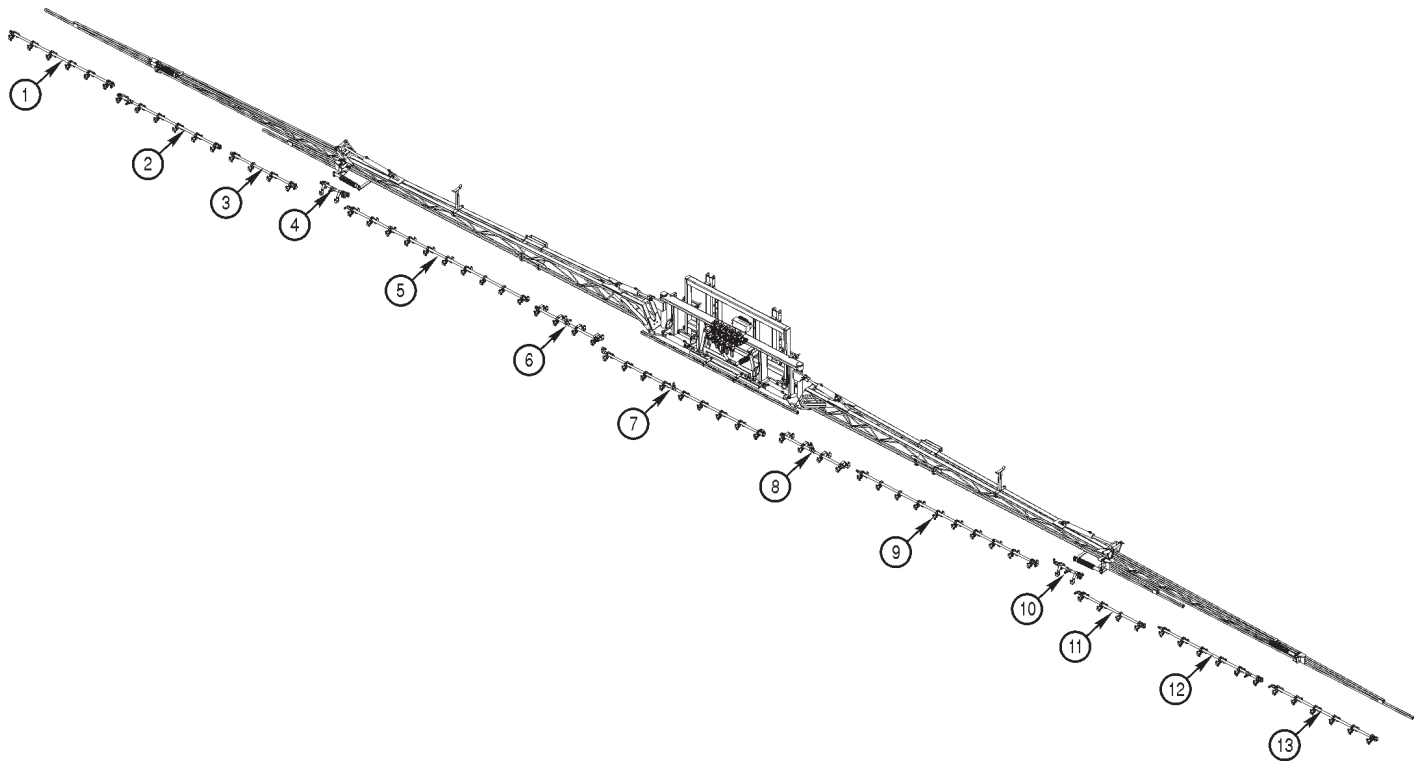
| Item | Part Number | Qty | Description                       | Comments                                                |
|------|-------------|-----|-----------------------------------|---------------------------------------------------------|
| 1    | 690001764   | 1   | Spray Bar, Brkwy 20 RS 60 LNG LH  | Does not include nozzle body brackets and nozzle bodies |
| 2    | 690001766   | 1   | Spray Bar, Inter 20 RS 20 LNG LH  | Does not include nozzle body brackets and nozzle bodies |
| 3    | 690001760   | 1   | Spray Bar, Brkwy 20 RS 40 LNG LH  | Does not include nozzle body brackets and nozzle bodies |
| 4    | 690001758   | 1   | Spray Bar, Inner 20 RS 160 LNG LH | Does not include nozzle body brackets and nozzle bodies |
| 5    | 690001757   | 1   | Spray Bar, Inner 20 RS 40 LNG LH  | Does not include nozzle body brackets and nozzle bodies |
| 6    | 690001753   | 1   | Spray Bar, Center 20 RS 100 LNG   | Does not include nozzle body brackets and nozzle bodies |
| 7    | 690001755   | 1   | Spray Bar, Inner 20 RS 40 LNG RH  | Does not include nozzle body brackets and nozzle bodies |
| 8    | 690001756   | 1   | Spray Bar, Inner 20 RS 160 LNG RH | Does not include nozzle body brackets and nozzle bodies |
| 9    | 690001759   | 1   | Spray Bar, Brkwy 20 RS 40 LNG RH  | Does not include nozzle body brackets and nozzle bodies |
| 10   | 690001765   | 1   | Spray Bar, Inter 20 RS 20 LNG RH  | Does not include nozzle body brackets and nozzle bodies |
| 11   | 690001763   | 1   | Spray Bar, Brkwy 20 RS 60 LNG RH  | Does not include nozzle body brackets and nozzle bodies |
|      | 690001768   | 1   | Boom Plumbing, Assy 60/80 20 RS   | Includes 1 each of Items 1 - 11                         |
|      | RM800860    |     | 1" Black Poly Pipe                |                                                         |
|      | 640000420   |     | 1" Hose Barb                      |                                                         |
|      | 640000520   |     | 1" Hose Barb 90                   |                                                         |
|      | 640010200   |     | 1" Coupling                       |                                                         |
|      | 640001020   |     | 1" Tee                            |                                                         |
|      | 640000100   |     | 1" Cap                            |                                                         |
|      | 640100133   |     | 1" Hose Barb Female               |                                                         |

60'-80' and Straight 80' Boom (nozzle spacing 30" on center)



| Item | Part Number | Qty | Description                        | Comments                                                |
|------|-------------|-----|------------------------------------|---------------------------------------------------------|
| 1    | 690001213   | 1   | Spray Bar, Brkwy 30 RS 60 LNG LH   | Does not include nozzle body brackets and nozzle bodies |
| 2    | 690001215   | 1   | Spray Bar, Inter 30 RS 1 Nozzle LH | Does not include nozzle body brackets and nozzle bodies |
| 3    | 690001209   | 1   | Spray Bar, Brkwy 30 RS 30 LNG LH   | Does not include nozzle body brackets and nozzle bodies |
| 4    | 690001207   | 1   | Spray Bar, Inner 30 RS 30 LNG LH   | Does not include nozzle body brackets and nozzle bodies |
| 5    | 690001205   | 1   | Spray Bar, Inner 30 RS 90 LNG LH   | Does not include nozzle body brackets and nozzle bodies |
| 6    | 690001204   | 1   | Spray Bar, Inner 30 RS 30 LNG LH   | Does not include nozzle body brackets and nozzle bodies |
| 7    | 690001754   | 1   | Spray Bar, Center 30 RS 120 LNG    | Does not include nozzle body brackets and nozzle bodies |
| 8    | 690001202   | 1   | Spray Bar, Inner 30 RS 30 LNG RH   | Does not include nozzle body brackets and nozzle bodies |
| 9    | 690001203   | 1   | Spray Bar, Inner 30 RS 90 LNG RH   | Does not include nozzle body brackets and nozzle bodies |
| 10   | 690001206   | 1   | Spray Bar, Inner 30 RS 30 LNG RH   | Does not include nozzle body brackets and nozzle bodies |
| 11   | 690001208   | 1   | Spray Bar, Brkwy 30 RS 30 LNG RH   | Does not include nozzle body brackets and nozzle bodies |
| 12   | 690001214   | 1   | Spray Bar, Inter 30 RS 1 Nozzle RH | Does not include nozzle body brackets and nozzle bodies |
| 13   | 690001212   | 1   | Spray Bar, Brkwy 30 RS 60 LNG RH   | Does not include nozzle body brackets and nozzle bodies |
|      |             |     |                                    |                                                         |
|      | 690001774   | 1   | Boom Plumbing, Assy 60/80 30 RS    | Includes 1 each of Items 1 - 13                         |
|      | RM800860    |     | 1" Black Poly Pipe                 |                                                         |
|      | 640000420   |     | 1" Hose Barb                       |                                                         |
|      | 640000520   |     | 1" Hose Barb 90                    |                                                         |
|      | 640010200   |     | 1" Coupling                        |                                                         |
|      | 640001020   |     | 1" Tee                             |                                                         |
|      | 640000100   |     | 1" Cap                             |                                                         |
|      | 640100133   |     | 1" Hose Barb Female                |                                                         |

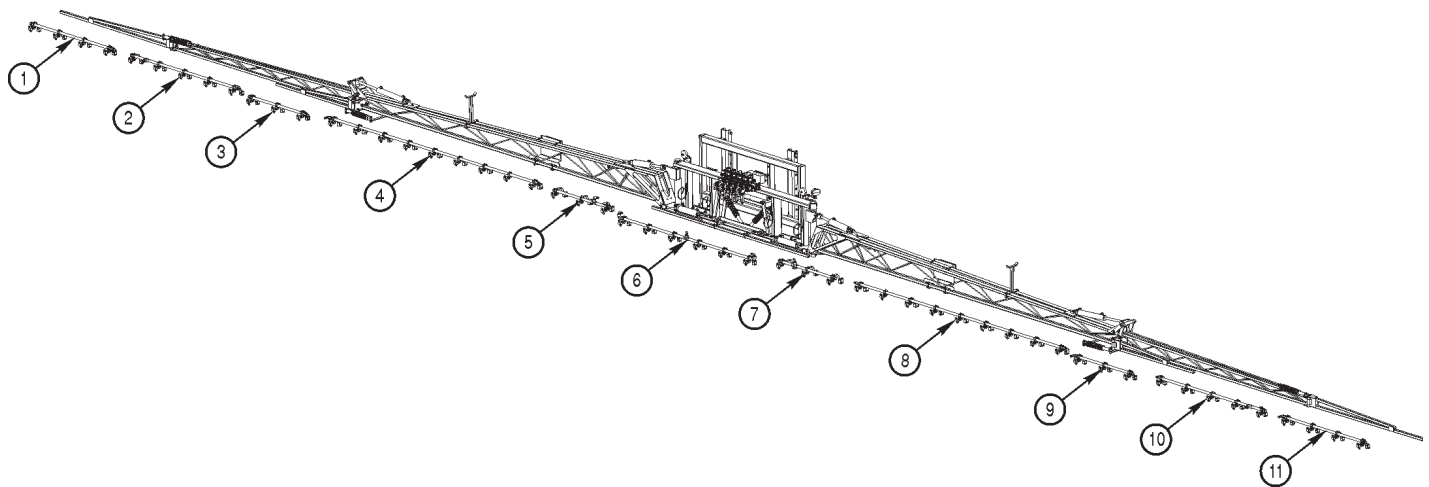
## 60'-90' and Straight 90' Boom (nozzle spacing 15" on center)



| Item | Part Number | Qty | Description                       | Comments                                                |
|------|-------------|-----|-----------------------------------|---------------------------------------------------------|
| 1    | 690001195   | 1   | Spray Bar, Brkwy 15 RS 75 LNG LH  | Does not include nozzle body brackets and nozzle bodies |
| 2    | 690001193   | 1   | Spray Bar, Inter 15 RS 75 LNG LH  | Does not include nozzle body brackets and nozzle bodies |
| 3    | 690001191   | 1   | Spray Bar, Brkwy 15 RS 45 LNG LH  | Does not include nozzle body brackets and nozzle bodies |
| 4    | 690001189   | 1   | Spray Bar, Inner 15 RS 15 LNG LH  | Does not include nozzle body brackets and nozzle bodies |
| 5    | 690001187   | 1   | Spray Bar, Inner 15 RS 135 LNG LH | Does not include nozzle body brackets and nozzle bodies |
| 6    | 690001186   | 1   | Spray Bar, Inner 15 RS 45 LNG LH  | Does not include nozzle body brackets and nozzle bodies |
| 7    | 690001752   | 1   | Spray Bar, Center 15 RS 120 LNG   | Does not include nozzle body brackets and nozzle bodies |
| 8    | 690001180   | 1   | Spray Bar, Inner 15 RS 45 LNG RH  | Does not include nozzle body brackets and nozzle bodies |
| 9    | 690001181   | 1   | Spray Bar, Inner 15 RS 135 LNG RH | Does not include nozzle body brackets and nozzle bodies |
| 10   | 690001188   | 1   | Spray Bar, Inner 15 RS 15 LNG RH  | Does not include nozzle body brackets and nozzle bodies |
| 11   | 690001190   | 1   | Spray Bar, Brkwy 15 RS 45 LNG RH  | Does not include nozzle body brackets and nozzle bodies |
| 12   | 690001192   | 1   | Spray Bar, Inter 15 RS 75 LNG RH  | Does not include nozzle body brackets and nozzle bodies |
| 13   | 690001194   | 1   | Spray Bar, Brkwy 15 RS 75 LNG RH  | Does not include nozzle body brackets and nozzle bodies |
|      | 690001770   | 1   | Boom Plumbing, Assy 60/90 15 RS   | Includes 1 each of Items 1 - 13                         |
|      | RM800860    |     | 1" Black Poly Pipe                |                                                         |
|      | 640000420   |     | 1" Hose Barb                      |                                                         |
|      | 640000520   |     | 1" Hose Barb 90                   |                                                         |
|      | 640010200   |     | 1" Coupling                       |                                                         |
|      | 640001020   |     | 1" Tee                            |                                                         |
|      | 640000100   |     | 1" Cap                            |                                                         |
|      | 640100133   |     | 1" Hose Barb Female               |                                                         |

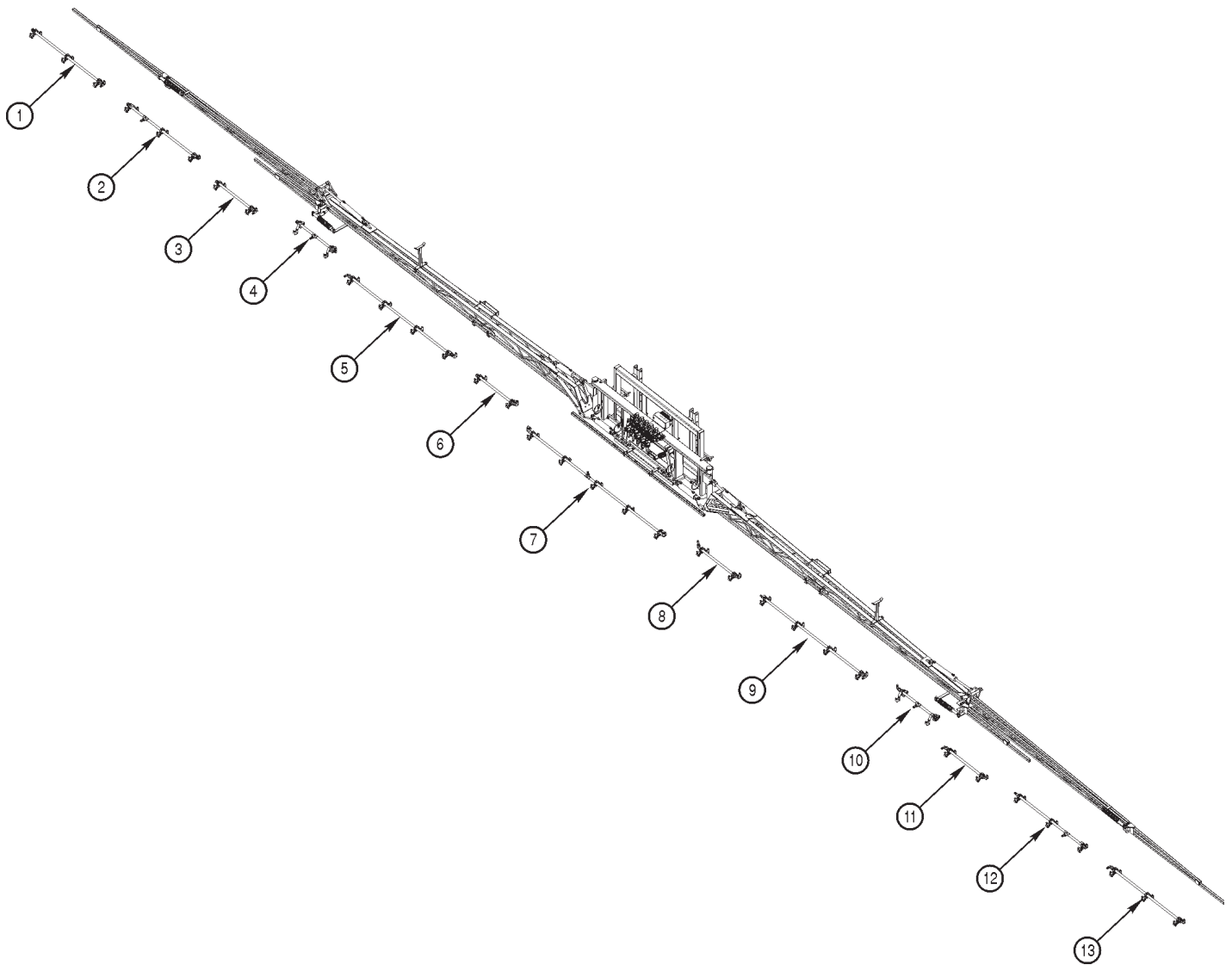


## 60'-90' and Straight 90' Boom (nozzle spacing 20" on center)



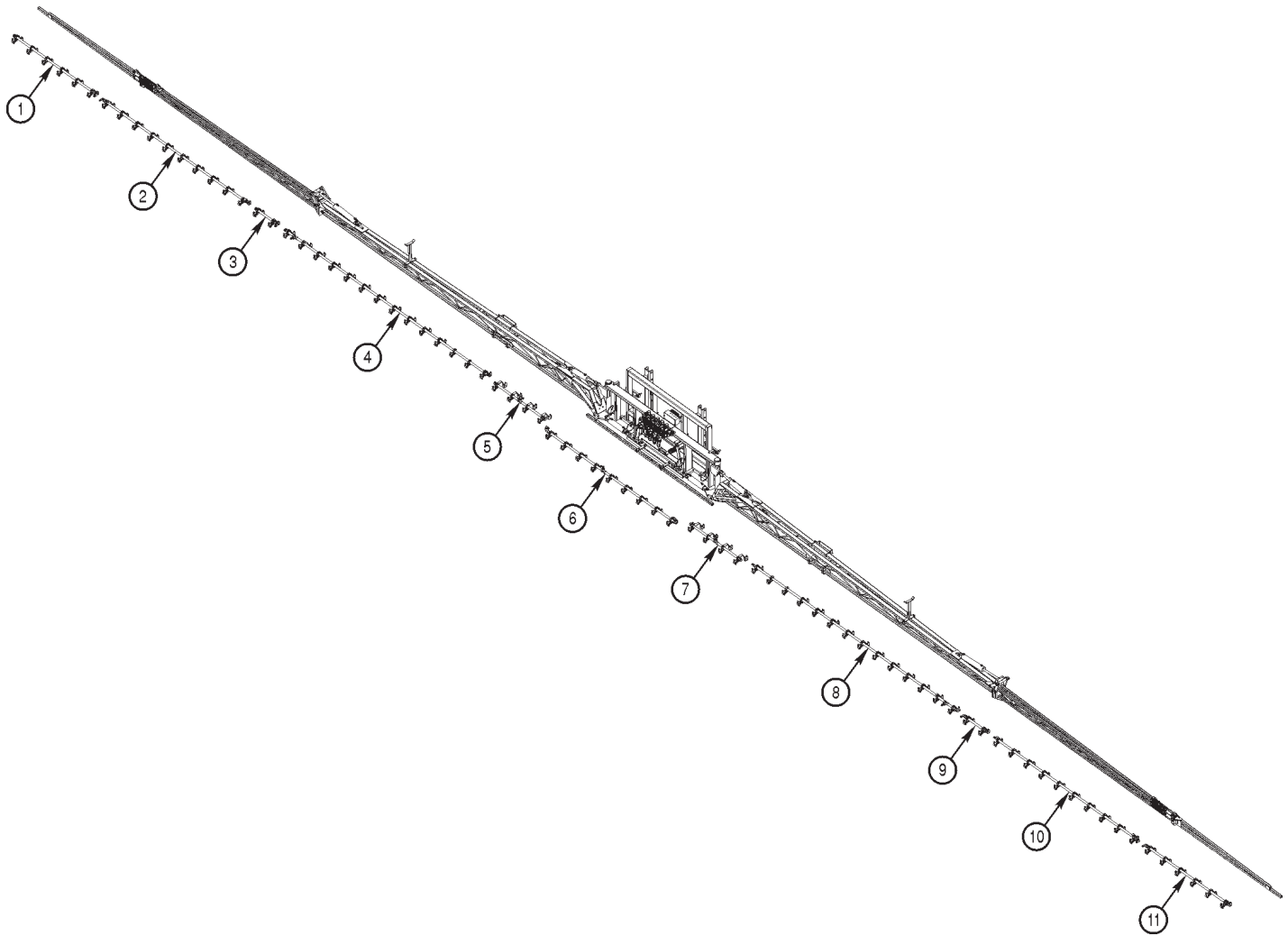
| Item | Part Number | Qty | Description                       | Comments                                                |
|------|-------------|-----|-----------------------------------|---------------------------------------------------------|
| 1    | 690001764   | 1   | Spray Bar, Brkwy 20 RS 60 LNG LH  | Does not include nozzle body brackets and nozzle bodies |
| 2    | 690001762   | 1   | Spray Bar, Inter 20 RS 80 LNG LH  | Does not include nozzle body brackets and nozzle bodies |
| 3    | 690001760   | 1   | Spray Bar, Brkwy 20 RS 40 LNG LH  | Does not include nozzle body brackets and nozzle bodies |
| 4    | 690001758   | 1   | Spray Bar, Inner 20 RS 160 LNG LH | Does not include nozzle body brackets and nozzle bodies |
| 5    | 690001757   | 1   | Spray Bar, Inner 20 RS 40 LNG LH  | Does not include nozzle body brackets and nozzle bodies |
| 6    | 690001753   | 1   | Spray Bar, Center 20 RS 100 LNG   | Does not include nozzle body brackets and nozzle bodies |
| 7    | 690001755   | 1   | Spray Bar, Inner 20 RS 40 LNG RH  | Does not include nozzle body brackets and nozzle bodies |
| 8    | 690001756   | 1   | Spray Bar, Inner 20 RS 160 LNG RH | Does not include nozzle body brackets and nozzle bodies |
| 9    | 690001759   | 1   | Spray Bar, Brkwy 20 RS 40 LNG RH  | Does not include nozzle body brackets and nozzle bodies |
| 10   | 690001761   | 1   | Spray Bar, Inter 20 RS 80 LNG RH  | Does not include nozzle body brackets and nozzle bodies |
| 11   | 690001763   | 1   | Spray Bar, Brkwy 20 RS 60 LNG RH  | Does not include nozzle body brackets and nozzle bodies |
|      | 690001767   | 1   | Boom Plumbing, Assy 60/90 20 RS   | Includes 1 each of Items 1 - 11                         |
|      | RM800860    |     | 1" Black Poly Pipe                |                                                         |
|      | 640000420   |     | 1" Hose Barb                      |                                                         |
|      | 640000520   |     | 1" Hose Barb 90                   |                                                         |
|      | 640010200   |     | 1" Coupling                       |                                                         |
|      | 640001020   |     | 1" Tee                            |                                                         |
|      | 640000100   |     | 1" Cap                            |                                                         |
|      | 640100133   |     | 1" Hose Barb Female               |                                                         |

## 60'-90' and Straight 90' Boom (nozzle spacing 30" on center)



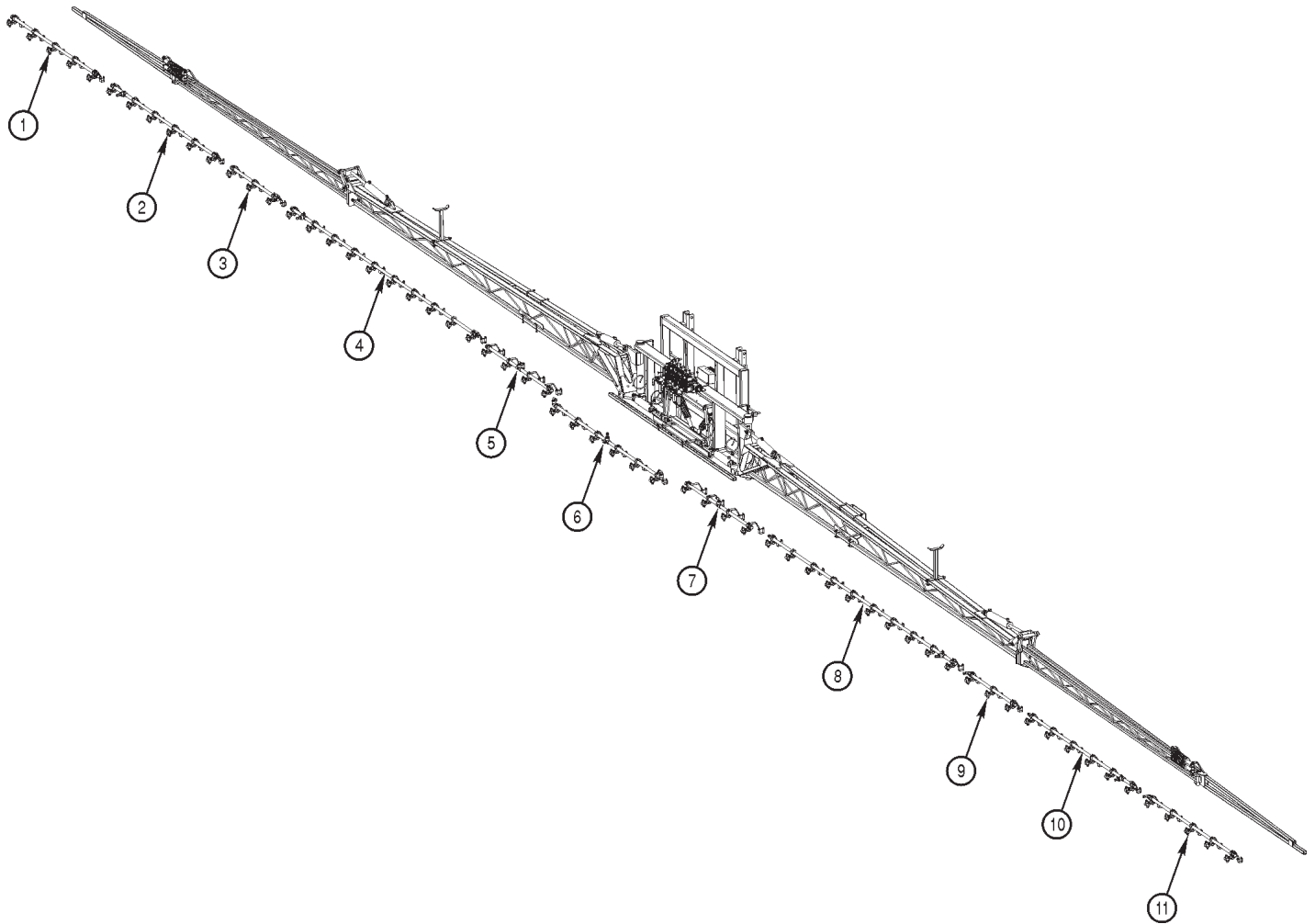
| Item | Part Number | Qty | Description                      | Comments                                                |
|------|-------------|-----|----------------------------------|---------------------------------------------------------|
| 1    | 690001213   | 1   | Spray Bar, Brkwy 30 RS 60 LNG LH | Does not include nozzle body brackets and nozzle bodies |
| 2    | 690001211   | 1   | Spray Bar, Inter 30 RS 60 LNG LH | Does not include nozzle body brackets and nozzle bodies |
| 3    | 690001209   | 1   | Spray Bar, Brkwy 30 RS 30 LNG LH | Does not include nozzle body brackets and nozzle bodies |
| 4    | 690001207   | 1   | Spray Bar, Inner 30 RS 30 LNG LH | Does not include nozzle body brackets and nozzle bodies |
| 5    | 690001205   | 1   | Spray Bar, Inner 30 RS 90 LNG LH | Does not include nozzle body brackets and nozzle bodies |
| 6    | 690001204   | 1   | Spray Bar, Inner 30 RS 30 LNG LH | Does not include nozzle body brackets and nozzle bodies |
| 7    | 690001754   | 1   | Spray Bar, Center 30 RS 120 LNG  | Does not include nozzle body brackets and nozzle bodies |
| 8    | 690001202   | 1   | Spray Bar, Inner 30 RS 30 LNG RH | Does not include nozzle body brackets and nozzle bodies |
| 9    | 690001203   | 1   | Spray Bar, Inner 30 RS 90 LNG RH | Does not include nozzle body brackets and nozzle bodies |
| 10   | 690001206   | 1   | Spray Bar, Inner 30 RS 30 LNG RH | Does not include nozzle body brackets and nozzle bodies |
| 11   | 690001208   | 1   | Spray Bar, Brkwy 30 RS 30 LNG RH | Does not include nozzle body brackets and nozzle bodies |
| 12   | 690001210   | 1   | Spray Bar, Inter 30 RS 60 LNG RH | Does not include nozzle body brackets and nozzle bodies |
| 13   | 690001212   | 1   | Spray Bar, Brkwy 30 RS 60 LNG RH | Does not include nozzle body brackets and nozzle bodies |
|      | 690001773   | 1   | Boom Plumbing, Assy 60/90 30 RS  | Includes 1 each of Items 1 - 13                         |
|      | RM800860    |     | 1" Black Poly Pipe               |                                                         |
|      | 640000420   |     | 1" Hose Barb                     |                                                         |
|      | 640000520   |     | 1" Hose Barb 90                  |                                                         |
|      | 640010200   |     | 1" Coupling                      |                                                         |
|      | 640001020   |     | 1" Tee                           |                                                         |
|      | 640000100   |     | 1" Cap                           |                                                         |
|      | 640100133   |     | 1" Hose Barb Female              |                                                         |

# 100' Boom (nozzle spacing 15" on center)



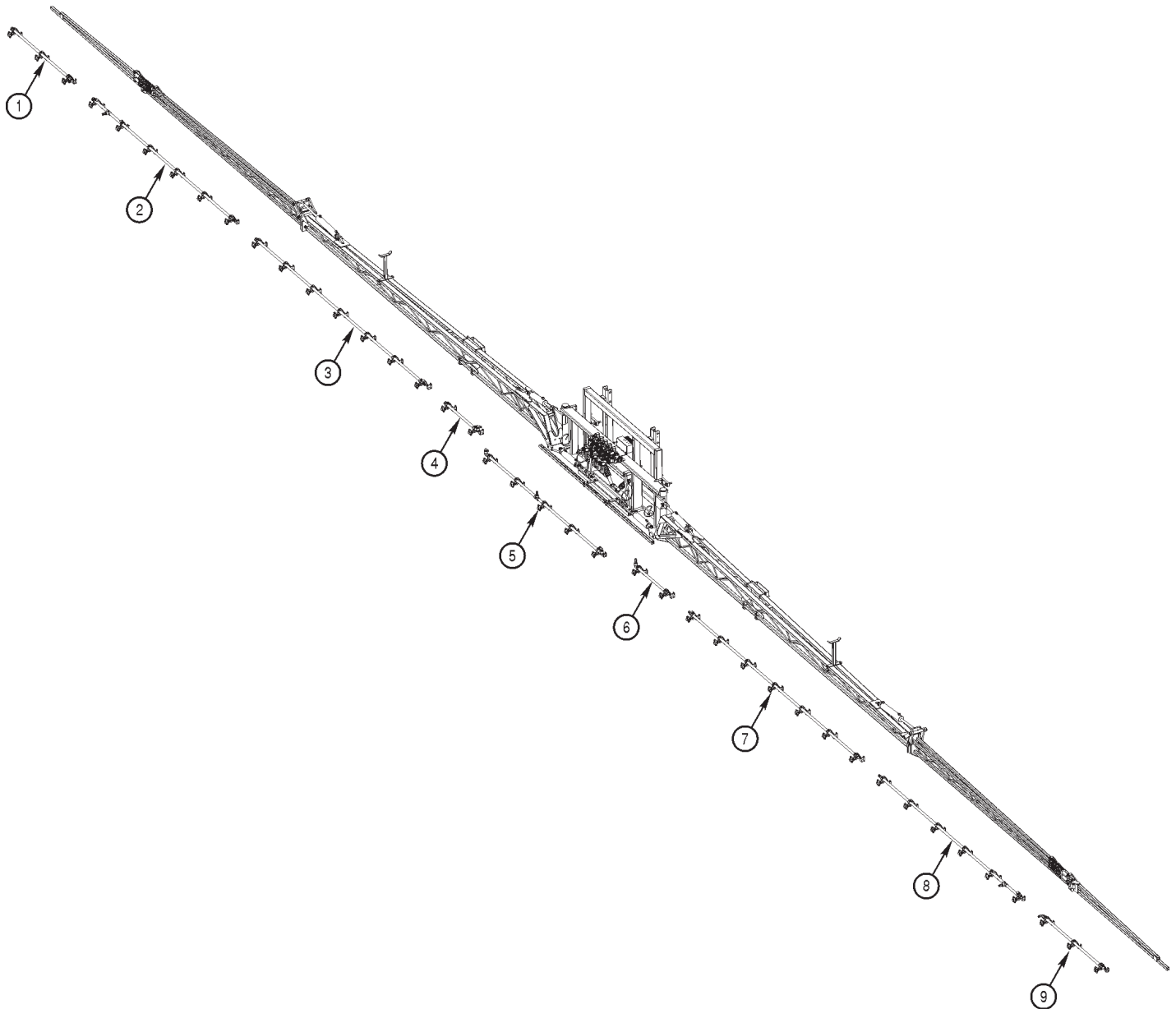
| Item | Part Number | Qty | Description                       | Comments                                                |
|------|-------------|-----|-----------------------------------|---------------------------------------------------------|
| 1    | 690001195   | 1   | Spray Bar, Brkwy 15 RS 75 LNG LH  | Does not include nozzle body brackets and nozzle bodies |
| 2    | 690001187   | 1   | Spray Bar, Inner 15 RS 135 LNG LH | Does not include nozzle body brackets and nozzle bodies |
| 3    | 690001201   | 1   | Spray Bar, Inter 15 RS 15 LNG LH  | Does not include nozzle body brackets and nozzle bodies |
| 4    | 690001199   | 1   | Spray Bar, Inner 15 RS 195 LNG LH | Does not include nozzle body brackets and nozzle bodies |
| 5    | 690001186   | 1   | Spray Bar, Inner 15 RS 45 LNG LH  | Does not include nozzle body brackets and nozzle bodies |
| 6    | 690001752   | 1   | Spray Bar, Center 15 RS 120 LNG   | Does not include nozzle body brackets and nozzle bodies |
| 7    | 690001180   | 1   | Spray Bar, Inner 15 RS 45 LNG RH  | Does not include nozzle body brackets and nozzle bodies |
| 8    | 690001198   | 1   | Spray Bar, Inner 15 RS 195 LNG RH | Does not include nozzle body brackets and nozzle bodies |
| 9    | 690001200   | 1   | Spray Bar, Inter 15 RS 15 LNG RH  | Does not include nozzle body brackets and nozzle bodies |
| 10   | 690001181   | 1   | Spray Bar, Inner 15 RS 135 LNG RH | Does not include nozzle body brackets and nozzle bodies |
| 11   | 690001194   | 1   | Spray Bar, Brkwy 15 RS 75 LNG RH  | Does not include nozzle body brackets and nozzle bodies |
|      | 690001772   | 1   | Boom Plumbing, Assy 100 15 RS     | Includes 1 each of Items 1 - 11                         |
|      | RM800860    |     | 1" Black Poly Pipe                |                                                         |
|      | 640000420   |     | 1" Hose Barb                      |                                                         |
|      | 640000520   |     | 1" Hose Barb 90                   |                                                         |
|      | 640010200   |     | 1" Coupling                       |                                                         |
|      | 640001020   |     | 1" Tee                            |                                                         |
|      | 640000100   |     | 1" Cap                            |                                                         |
|      | 640100133   |     | 1" Hose Barb Female               |                                                         |

# 100' Boom (nozzle spacing 20" on center)



| Item | Part Number | Qty | Description                       | Comments                                                |
|------|-------------|-----|-----------------------------------|---------------------------------------------------------|
| 1    | 690001185   | 1   | Spray Bar, Brkwy 20 RS 80 LNG LH  | Does not include nozzle body brackets and nozzle bodies |
| 2    | 690001183   | 1   | Spray Bar, Inter 20 RS 100 LNG LH | Does not include nozzle body brackets and nozzle bodies |
| 3    | 690001760   | 1   | Spray Bar, Brkwy 20 RS 40 LNG LH  | Does not include nozzle body brackets and nozzle bodies |
| 4    | 690001179   | 1   | Spray Bar, Inner 20 RS 180 LNG LH | Does not include nozzle body brackets and nozzle bodies |
| 5    | 690001177   | 1   | Spray Bar, Inner 20 RS 60 LNG LH  | Does not include nozzle body brackets and nozzle bodies |
| 6    | 690001753   | 1   | Spray Bar, Center 20 RS 100 LNG   | Does not include nozzle body brackets and nozzle bodies |
| 7    | 690001176   | 1   | Spray Bar, Inner 20 RS 60 LNG RH  | Does not include nozzle body brackets and nozzle bodies |
| 8    | 690001178   | 1   | Spray Bar, Inner 20 RS 180 LNG RH | Does not include nozzle body brackets and nozzle bodies |
| 9    | 690001759   | 1   | Spray Bar, Brkwy 20 RS 40 LNG RH  | Does not include nozzle body brackets and nozzle bodies |
| 10   | 690001182   | 1   | Spray Bar, Inter 20 RS 100 LNG RH | Does not include nozzle body brackets and nozzle bodies |
| 11   | 690001184   | 1   | Spray Bar, Brkwy 20 RS 80 LNG RH  | Does not include nozzle body brackets and nozzle bodies |
|      | 690001769   | 1   | Boom Plumbing, Assy 100 20 RS     | Includes 1 each of Items 1 - 11                         |
|      | RM800860    |     | 1" Black Poly Pipe                |                                                         |
|      | 640000420   |     | 1" Hose Barb                      |                                                         |
|      | 640000520   |     | 1" Hose Barb 90                   |                                                         |
|      | 640010200   |     | 1" Coupling                       |                                                         |
|      | 640001020   |     | 1" Tee                            |                                                         |
|      | 640000100   |     | 1" Cap                            |                                                         |
|      | 640100133   |     | 1" Hose Barb Female               |                                                         |

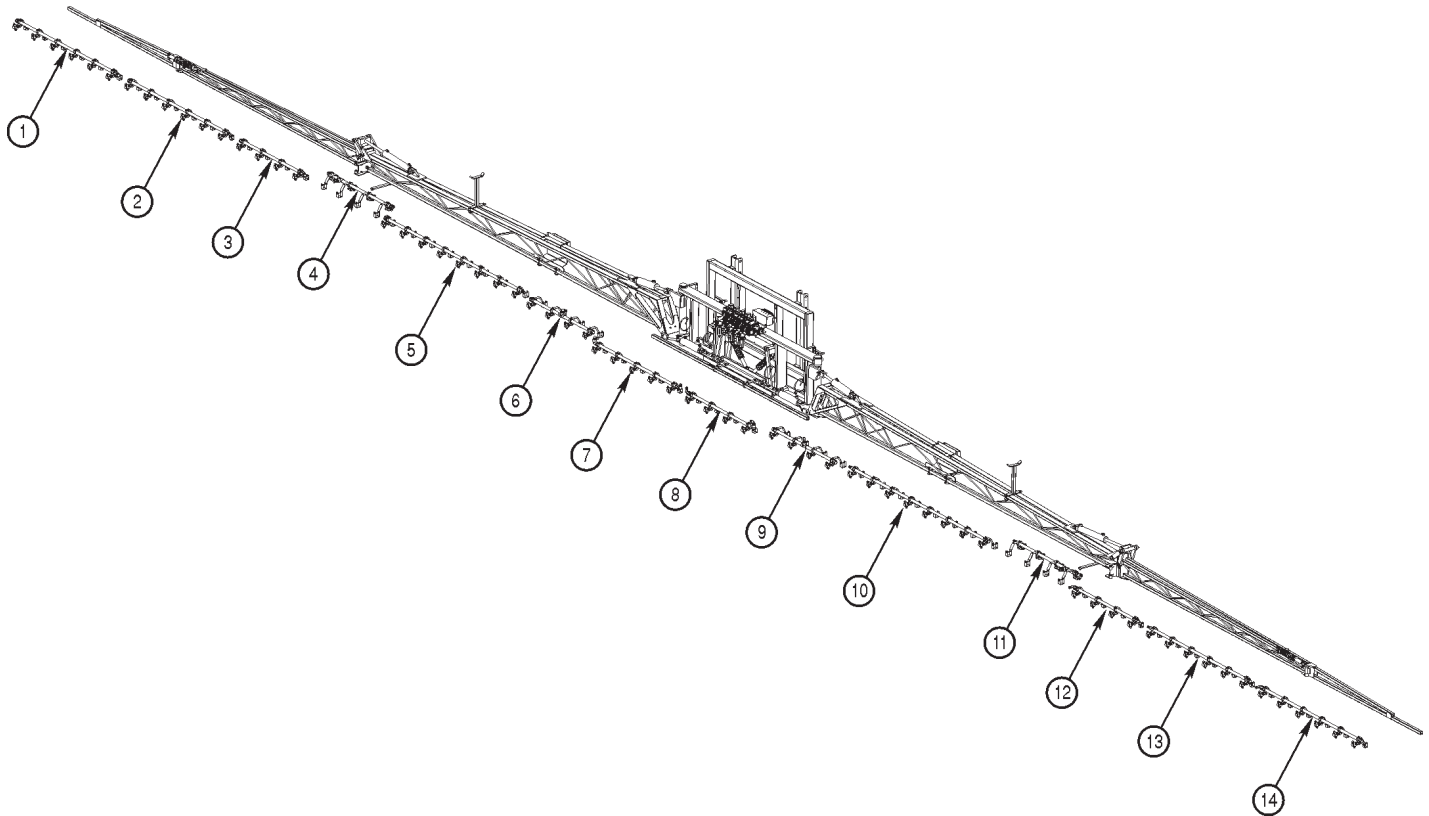
# 100' Boom (nozzle spacing 30" on center)



| Item | Part Number | Qty | Description                       | Comments                                                |
|------|-------------|-----|-----------------------------------|---------------------------------------------------------|
| 1    | 690001213   | 1   | Spray Bar, Brkwy 30 RS 60 LNG LH  | Does not include nozzle body brackets and nozzle bodies |
| 2    | 690001221   | 1   | Spray Bar, Inter 30 RS 150 LNG LH | Does not include nozzle body brackets and nozzle bodies |
| 3    | 690001217   | 1   | Spray Bar, Inner 30 RS 120 LNG LH | Does not include nozzle body brackets and nozzle bodies |
| 4    | 690001204   | 1   | Spray Bar, Inner 30 RS 30 LNG LH  | Does not include nozzle body brackets and nozzle bodies |
| 5    | 690001754   | 1   | Spray Bar, Center 30 RS 120 LNG   | Does not include nozzle body brackets and nozzle bodies |
| 6    | 690001202   | 1   | Spray Bar, Inner 30 RS 30 LNG RH  | Does not include nozzle body brackets and nozzle bodies |
| 7    | 690001216   | 1   | Spray Bar, Inner 30 RS 120 LNG RH | Does not include nozzle body brackets and nozzle bodies |
| 8    | 690001220   | 1   | Spray Bar, Inter 30 RS 150 LNG RH | Does not include nozzle body brackets and nozzle bodies |
| 9    | 690001212   | 1   | Spray Bar, Brkwy 30 RS 60 LNG RH  | Does not include nozzle body brackets and nozzle bodies |
|      |             |     |                                   |                                                         |
|      | 690001775   | 1   | Boom Plumbing, Assy 100 30 RS     | Includes 1 each of Items 1 - 9                          |
|      | RM800860    |     | 1" Black Poly Pipe                |                                                         |
|      | 640000420   |     | 1" Hose Barb                      |                                                         |
|      | 640000520   |     | 1" Hose Barb 90                   |                                                         |
|      | 640010200   |     | 1" Coupling                       |                                                         |
|      | 640001020   |     | 1" Tee                            |                                                         |
|      | 640000100   |     | 1" Cap                            |                                                         |
|      | 640100133   |     | 1" Hose Barb Female               |                                                         |

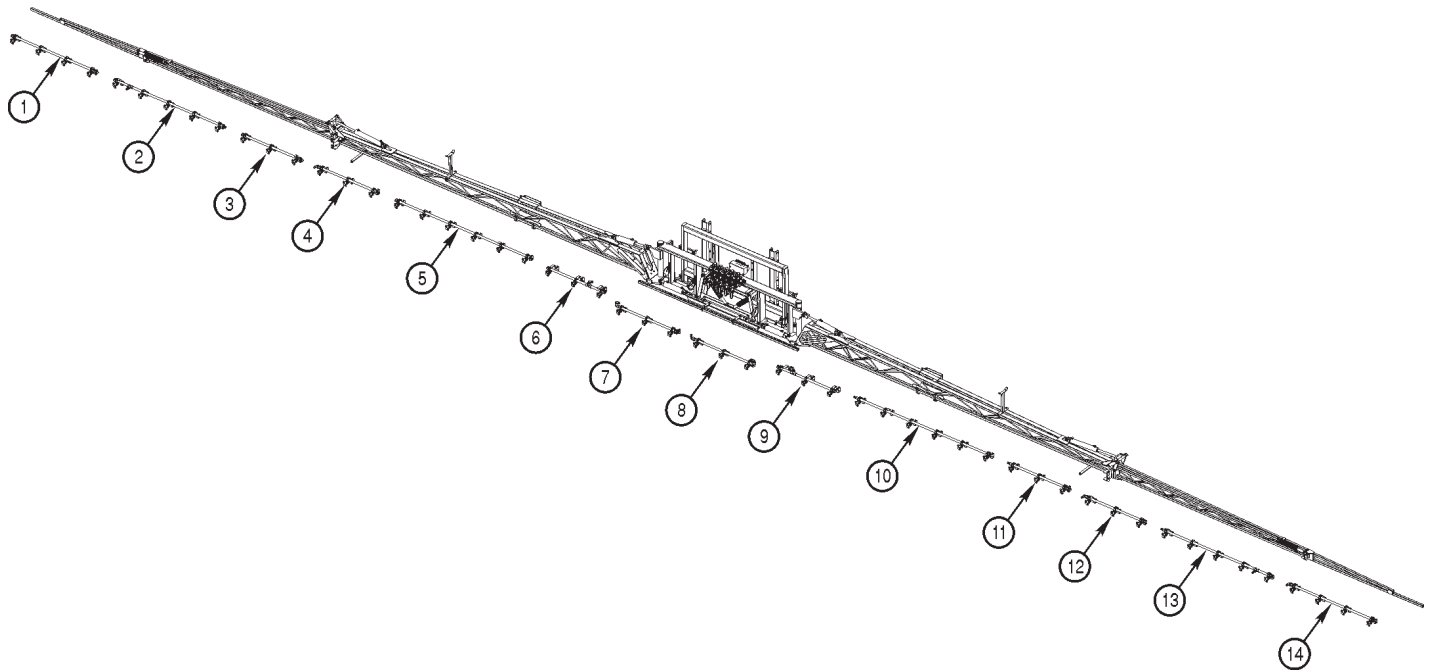
## 10 Section Valve Block

90' Boom (nozzle spacing 15" on center)



| Item | Part Number | Qty | Description                       | Comments                                                |
|------|-------------|-----|-----------------------------------|---------------------------------------------------------|
| 1    | 690001195   | 1   | Spray Bar, Brky 15 RS 75 LNG LH   | Does not include nozzle body brackets and nozzle bodies |
| 2    | 690001242   | 1   | Spray Bar, Inter 15 RS 75 LNG LH  | Does not include nozzle body brackets and nozzle bodies |
| 3    | 690001191   | 1   | Spray Bar, Brky 15 RS 45 LNG LH   | Does not include nozzle body brackets and nozzle bodies |
| 4    | 690001240   | 1   | Spray Bar, Inner 15RS 45 LNG LH   | Does not include nozzle body brackets and nozzle bodies |
| 5    | 690001238   | 1   | Spray Bar, Inner 15RS 105 LNG LH  | Does not include nozzle body brackets and nozzle bodies |
| 6    | 690001186   | 1   | Spray Bar, Inner 15RS 45 LNG LH   | Does not include nozzle body brackets and nozzle bodies |
| 7    | 690001236   | 1   | Spray Bar, Center 15 RS 60 LNG    | Does not include nozzle body brackets and nozzle bodies |
| 8    | 690001235   | 1   | Spray Bar, Center 15 RS 45 LNG    | Does not include nozzle body brackets and nozzle bodies |
| 9    | 690001180   | 1   | Spray Bar, Inner 15RS 45 LNG RH   | Does not include nozzle body brackets and nozzle bodies |
| 10   | 690001237   | 1   | Spray Bar, Inner 15RS 105 LNG RH  | Does not include nozzle body brackets and nozzle bodies |
| 11   | 690001239   | 1   | Spray Bar, Inner 15RS 45 LNG RH   | Does not include nozzle body brackets and nozzle bodies |
| 12   | 690001190   | 1   | Spray Bar, Brky 15 RS 45 LNG RH   | Does not include nozzle body brackets and nozzle bodies |
| 13   | 690001241   | 1   | Spray Bar, Inter 15 RS 75 LNG RH  | Does not include nozzle body brackets and nozzle bodies |
| 14   | 690001194   | 1   | Spray Bar, Brky 15 RS 75 LNG RH   | Does not include nozzle body brackets and nozzle bodies |
|      |             |     |                                   |                                                         |
|      | 690001828   | 1   | Boom Plumbing Assy 90 15RS 10 Sec | Includes 1 each of Items 1-14                           |
|      | RM800860    |     | 1" Black Poly Pipe                |                                                         |
|      | 640000420   |     | 1" Hose Barb                      |                                                         |
|      | 640000520   |     | 1" Hose Barb 90                   |                                                         |
|      | 640010200   |     | 1" Coupling                       |                                                         |
|      | 640001020   |     | 1" Tee                            |                                                         |
|      | 640000100   |     | 1" Cap                            |                                                         |
|      | 640100133   |     | 1" Hose Barb Female               |                                                         |

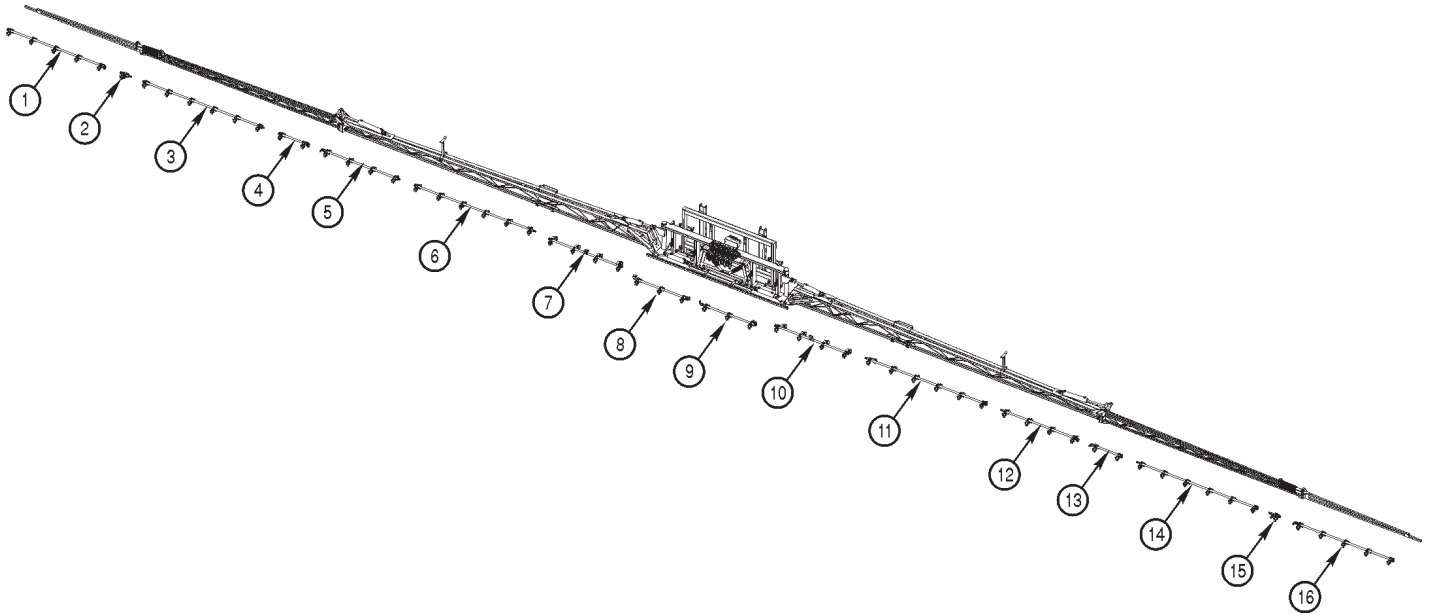
## 90' Boom (nozzle spacing 20" on center)



| Item | Part Number | Qty | Description                          | Comments                                                |
|------|-------------|-----|--------------------------------------|---------------------------------------------------------|
| 1    | 690001764   | 1   | Spray Bar, Brkwy 20 RS 60 LNG LH     | Does not include nozzle body brackets and nozzle bodies |
| 2    | 690001762   | 1   | Spray Bar, Inter 20 RS 80 LNG        | Does not include nozzle body brackets and nozzle bodies |
| 3    | 690001760   | 1   | Spray Bar, Brkwy 20 RS 40 LNG LH     | Does not include nozzle body brackets and nozzle bodies |
| 4    | 690001231   | 1   | Spray Bar, Inner 20 RS 40 LNG LH     | Does not include nozzle body brackets and nozzle bodies |
| 5    | 690001223   | 1   | Spray Bar, Inner /Int 20 RS 100 LH   | Does not include nozzle body brackets and nozzle bodies |
| 6    | 690001757   | 1   | Spray Bar, Inner 20 RS 40 LNG LH     | Does not include nozzle body brackets and nozzle bodies |
| 7    | 690001228   | 1   | Spray Bar, Center 20 RS 40 LNG       | Does not include nozzle body brackets and nozzle bodies |
| 8    | 690001229   | 1   | Spray Bar, Center 20 RS 40 LNG       | Does not include nozzle body brackets and nozzle bodies |
| 9    | 690001755   | 1   | Spray Bar, Inner 20 RS 40 LNG RH     | Does not include nozzle body brackets and nozzle bodies |
| 10   | 690001222   | 1   | Spray Bar, Inner /Int 20 RS 100 RH   | Does not include nozzle body brackets and nozzle bodies |
| 11   | 690001230   | 1   | Spray Bar, Inner 20 RS 40 LNG RH     | Does not include nozzle body brackets and nozzle bodies |
| 12   | 690001759   | 1   | Spray Bar, Brkwy 20 RS 40 LNG RH     | Does not include nozzle body brackets and nozzle bodies |
| 13   | 690001761   | 1   | Spray Bar, Inter 20 RS 80 LNG        | Does not include nozzle body brackets and nozzle bodies |
| 14   | 690001763   | 1   | Spray Bar, Brkwy 20 RS 60 LNG RH     | Does not include nozzle body brackets and nozzle bodies |
|      |             |     |                                      |                                                         |
|      | 690001826   | 1   | Boom Plumbing, Assy 90 20 RS 10 Sec. | Includes 1 each of Items 1 - 14                         |
|      | RM800860    |     | 1" Black Poly Pipe                   |                                                         |
|      | 640000420   |     | 1" Hose Barb                         |                                                         |
|      | 640000520   |     | 1" Hose Barb 90                      |                                                         |
|      | 640010200   |     | 1" Coupling                          |                                                         |
|      | 640001020   |     | 1" Tee                               |                                                         |
|      | 640000100   |     | 1" Cap                               |                                                         |
|      | 640100133   |     | 1" Hose Barb Female                  |                                                         |



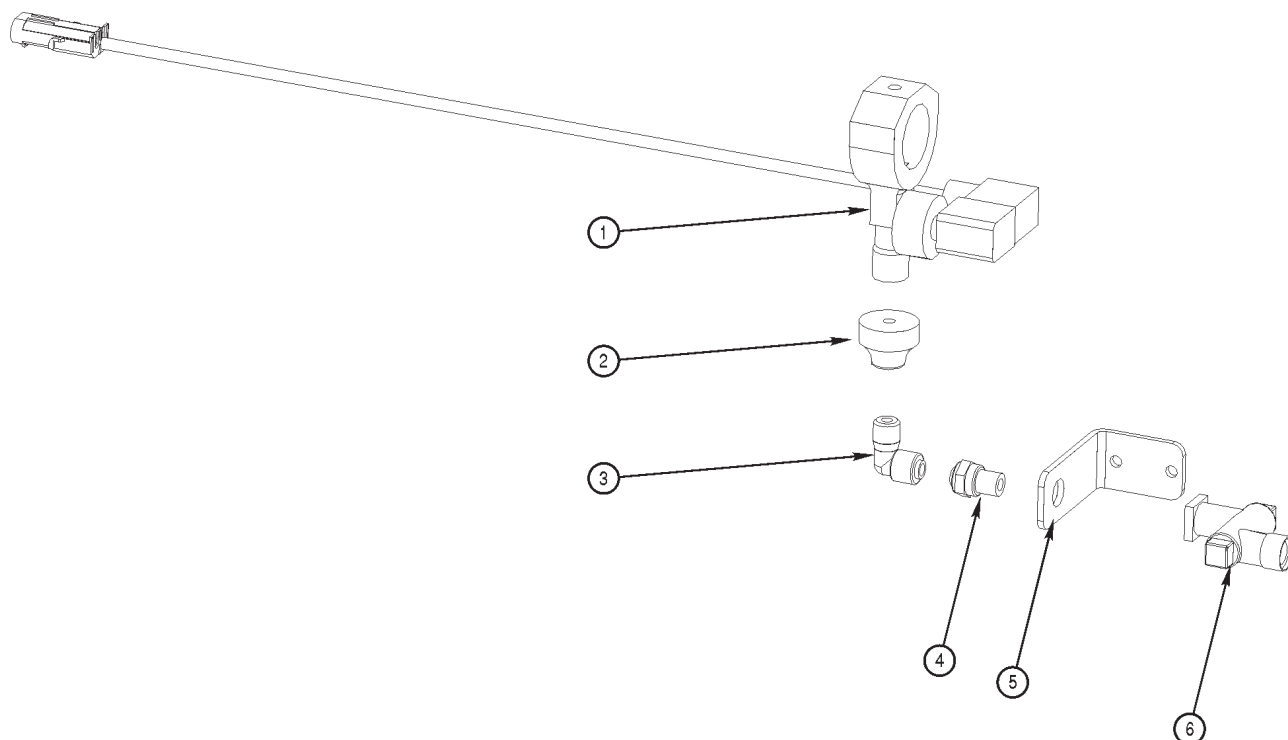
## 100' Boom (nozzle spacing 20" on center)



| Item | Part Number | Qty | Description                         | Comments                                                |
|------|-------------|-----|-------------------------------------|---------------------------------------------------------|
| 1    | 690001185   | 1   | Spray Bar, Brkwy 20 RS 80 LNG LH    | Does not include nozzle body brackets and nozzle bodies |
| 2    | 690001215   | 1   | Spray Bar, Inter 20 RS 1 Nozzle LH  | Does not include nozzle body brackets and nozzle bodies |
| 3    | 690001223   | 1   | Spray Bar, Inner/Int 20 RS 100 LH   | Does not include nozzle body brackets and nozzle bodies |
| 4    | 690001227   | 1   | Spray Bar, Int 20 RS 20 LNG LH      | Does not include nozzle body brackets and nozzle bodies |
| 5    | 690001225   | 1   | Spray Bar, Inner 20 RS 60 LNG LH    | Does not include nozzle body brackets and nozzle bodies |
| 6    | 690001223   | 1   | Spray Bar, Inner/Int 20 RS 100 LH   | Does not include nozzle body brackets and nozzle bodies |
| 7    | 690001177   | 1   | Spray Bar, Inner 20 RS 60 LNG LH    | Does not include nozzle body brackets and nozzle bodies |
| 8    | 690001228   | 1   | Spray Bar, Center 20 RS 40 LNG      | Does not include nozzle body brackets and nozzle bodies |
| 9    | 690001229   | 1   | Spray Bar, Center 20 RS 40 LNG      | Does not include nozzle body brackets and nozzle bodies |
| 10   | 690001176   | 1   | Spray Bar, Inner 20 RS 60 LNG RH    | Does not include nozzle body brackets and nozzle bodies |
| 11   | 690001222   | 1   | Spray Bar, Inner/Int 20 RS 100 RH   | Does not include nozzle body brackets and nozzle bodies |
| 12   | 690001224   | 1   | Spray Bar, Inner 20 RS 60 LNG RH    | Does not include nozzle body brackets and nozzle bodies |
| 13   | 690001226   | 1   | Spray Bar, Int 20 RS 20 LNG RH      | Does not include nozzle body brackets and nozzle bodies |
| 14   | 690001222   | 1   | Spray Bar, Inner/Int 20 RS 100 RH   | Does not include nozzle body brackets and nozzle bodies |
| 15   | 690001214   | 1   | Spray Bar, Inter 20 RS 1 Nozzle RH  | Does not include nozzle body brackets and nozzle bodies |
| 16   | 690001184   | 1   | Spray Bar, Brkwy 20 RS 80 LNG RH    | Does not include nozzle body brackets and nozzle bodies |
|      |             |     |                                     |                                                         |
|      | 690001825   | 1   | Boom Plumbing, Assy 100 20RS 10 Sec | Includes 1 each of Items 1 - 16                         |
|      | RM800860    |     | 1" Black Poly Pipe                  |                                                         |
|      | 640000420   |     | 1" Hose Barb                        |                                                         |
|      | 640000520   |     | 1" Hose Barb 90                     |                                                         |
|      | 640010200   |     | 1" Coupling                         |                                                         |
|      | 640001020   |     | 1" Tee                              |                                                         |
|      | 640000100   |     | 1" Cap                              |                                                         |
|      | 640100133   |     | 1" Hose Barb Female                 |                                                         |

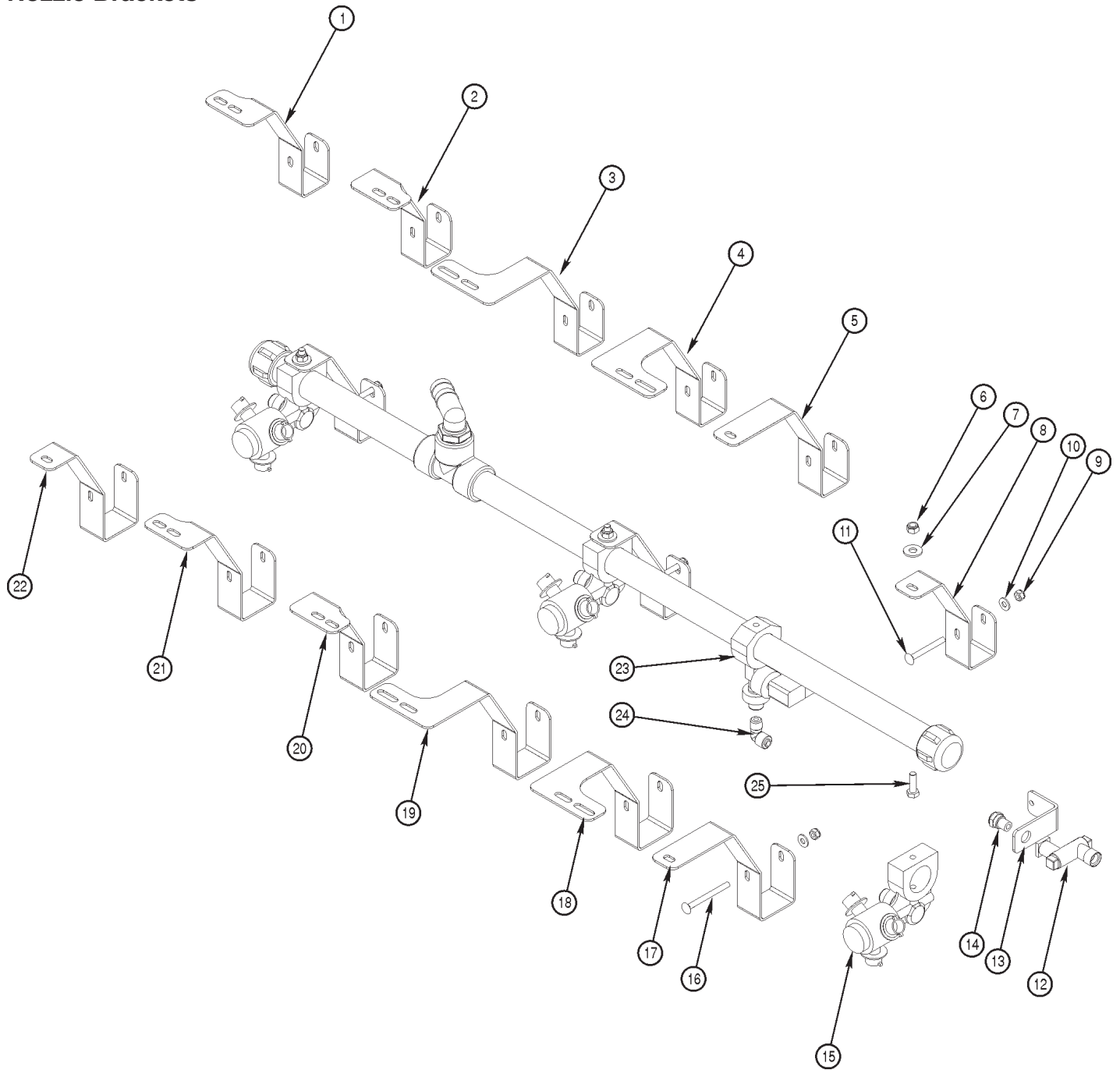


## Fencerow Nozzle



| Item | Part Number | Qty | Description                                | Comments                                                                                                |
|------|-------------|-----|--------------------------------------------|---------------------------------------------------------------------------------------------------------|
| 1    | 610000160   | 1   | Valve, Fence Row Nozzle/Shut Off           | Includes connector cable                                                                                |
| 2    | 610000115   | 1   | Tip, Nozzle Fence Row Valve                |                                                                                                         |
| 3    | 640020000   | 1   | Fitting, 1/4" Poppit 90 Deg                |                                                                                                         |
| 4    | 640020002   | 1   | Fitting, 1/4" MPT x 1/4" Compression       |                                                                                                         |
| 5    | 690001538   | 1   | Bracket, Fence Row Nozzle                  |                                                                                                         |
| 6    | 610000152   | 1   | Nozzle, Fence Row                          |                                                                                                         |
|      | 700000526   | 1   | Harness, Fence Row 80' Boom                |                                                                                                         |
|      | 700000527   | 1   | Harness, Fence Row 90' and 100' Boom       |                                                                                                         |
|      | 610000161   |     | Valve, Fence Row Nozzle/Shut Off           | Valve Only                                                                                              |
|      | K65000171   | A/R | Kit, Fence Row Nozzle 60/80' and 80'       | Kit includes components for one boom end only; a second kit is required to equip both ends of the boom. |
|      | K65000172   | A/R | Kit, Fence Row Nozzle 60/90', 90' and 100' | Kit includes components for one boom end only; a second kit is required to equip both ends of the boom. |
|      | RM800150    | 10' | Hose, Air Line NT 10004BK                  | Not shown                                                                                               |

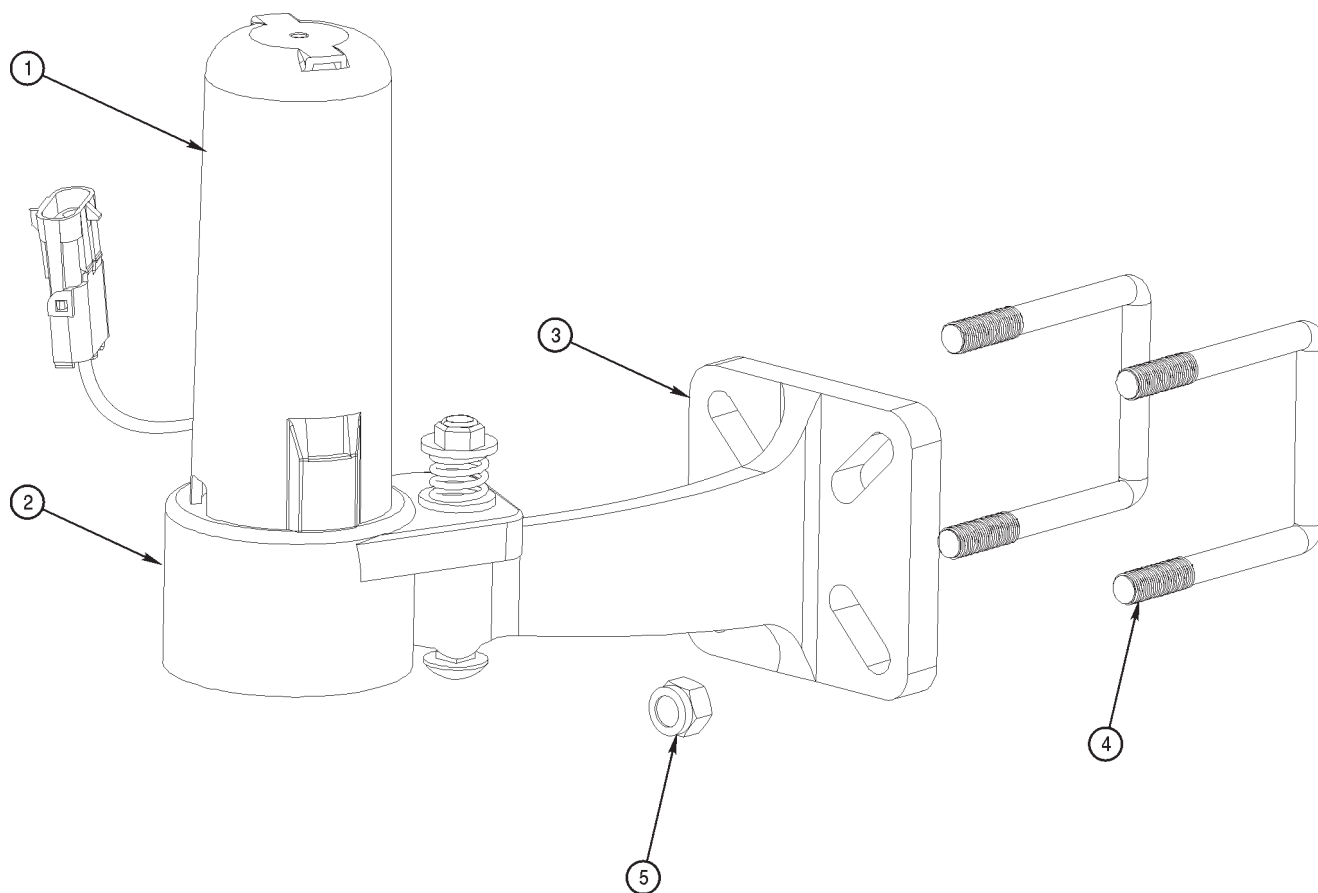
## Nozzle Brackets



| Item | Part Number | Qty | Description                                         | Comments                                                                                                |
|------|-------------|-----|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| 1    | 600000175   | A/R | Bracket, Nozzle Body Offset Left SS, 1.5" Tube      | Used on Intermediate boom, rear spray bar and breakaways                                                |
| 2    | 600000176   | A/R | Bracket, Nozzle Body Offset Right SS, 1.5" Tube     | Used on Intermediate boom, rear spray bar and breakaways                                                |
| 3    | 600000177   | A/R | Bracket, Nozzle Body Ext Offset Left SS, 1.5" Tube  | Used on Intermediate boom, rear spray bar and breakaways                                                |
| 4    | 600000178   | A/R | Bracket, Nozzle Body Ext Offset Right SS, 1.5" Tube | Used on Intermediate boom, rear spray bar and breakaways                                                |
| 5    | 600000179   | A/R | Bracket, Nozzle Body Ext Straight SS, 1.5" Tube     | Used on Intermediate boom, rear spray bar and breakaways                                                |
| 6    | 901003011   | A/R | Nut, Nylock 5/16-18 SS                              |                                                                                                         |
| 7    | 902003041   | A/R | Washer, Flat 5/16 SS                                |                                                                                                         |
| 8    | 600000174   | A/R | Bracket, Nozzle Body Standard SS, 1.5" Tube         | Used on Intermediate boom, rear spray bar and breakaways                                                |
| 9    | 901003001   | A/R | Nut, Nylock 1/4-20 SS                               |                                                                                                         |
| 10   | 902003030   | A/R | Washer, Flat 1/4 SS                                 |                                                                                                         |
| 11   | 900031812   | A/R | Bolt, Carriage 1/4-20 x 2 1/4" SS                   |                                                                                                         |
| 12   | 610000152   | 1   | Nozzle, Fence Row                                   |                                                                                                         |
| 13   | 690001538   | 1   | Bracket, Fence Row Nozzle                           |                                                                                                         |
| 14   | 640020002   | 1   | Fitting, 1/4" MPT x 1/4" Compression                |                                                                                                         |
| 15   | 610000151   | A/R | Nozzle Body, Triple Outlet                          |                                                                                                         |
| 16   | 900031811   | A/R | Bolt, Carriage 1/4-20 x 2 3/4" SS                   |                                                                                                         |
| 17   | 600000171   | A/R | Bracket, Nozzle Body Ext Straight SS, 2" Tube       | Used on Inner Booms with 2" bottom tube                                                                 |
| 18   | 600000170   | A/R | Bracket, Nozzle Body Ext Offset Right SS, 2" Tube   | Used on Inner Booms with 2" bottom tube                                                                 |
| 19   | 600000169   | A/R | Bracket, Nozzle Body Ext Offset Left SS, 2" Tube    | Used on Inner Booms with 2" bottom tube                                                                 |
| 20   | 600000168   | A/R | Bracket, Nozzle Body Offset Right SS, 2" Tube       | Used on Inner Booms with 2" bottom tube                                                                 |
| 21   | 600000167   | A/R | Bracket, Nozzle Body Offset Left SS, 2" Tube        | Used on Inner Booms with 2" bottom tube                                                                 |
| 22   | 600000166   | A/R | Bracket, Nozzle Body Standard SS, 2" Tube           | Used on Inner Booms with 2" bottom tube                                                                 |
| 23   | 610000160   | 1   | Fence Row, Nozzle/Shutoff Valve                     |                                                                                                         |
| 24   | 640020000   | 1   | Fitting, 1/4" Popfit 90 Deg                         |                                                                                                         |
| 25   | 900002611   | A/R | Bolt, HHCS 5/16-18 x 1" SS                          |                                                                                                         |
|      |             |     |                                                     |                                                                                                         |
|      | 700000526   | 1   | Harness, Fence Row 80' Boom                         |                                                                                                         |
|      | 700000527   | 1   | Harness, Fence Row 90' and 100' Boom                |                                                                                                         |
|      | K65000171   | A/R | Kit, Fence Row Nozzle 60/80' and 80'                | Kit includes components for one boom end only; a second kit is required to equip both ends of the boom. |
|      | K65000172   | A/R | Kit, Fence Row Nozzle 60/90', 90' and 100'          | Kit includes components for one boom end only; a second kit is required to equip both ends of the boom. |

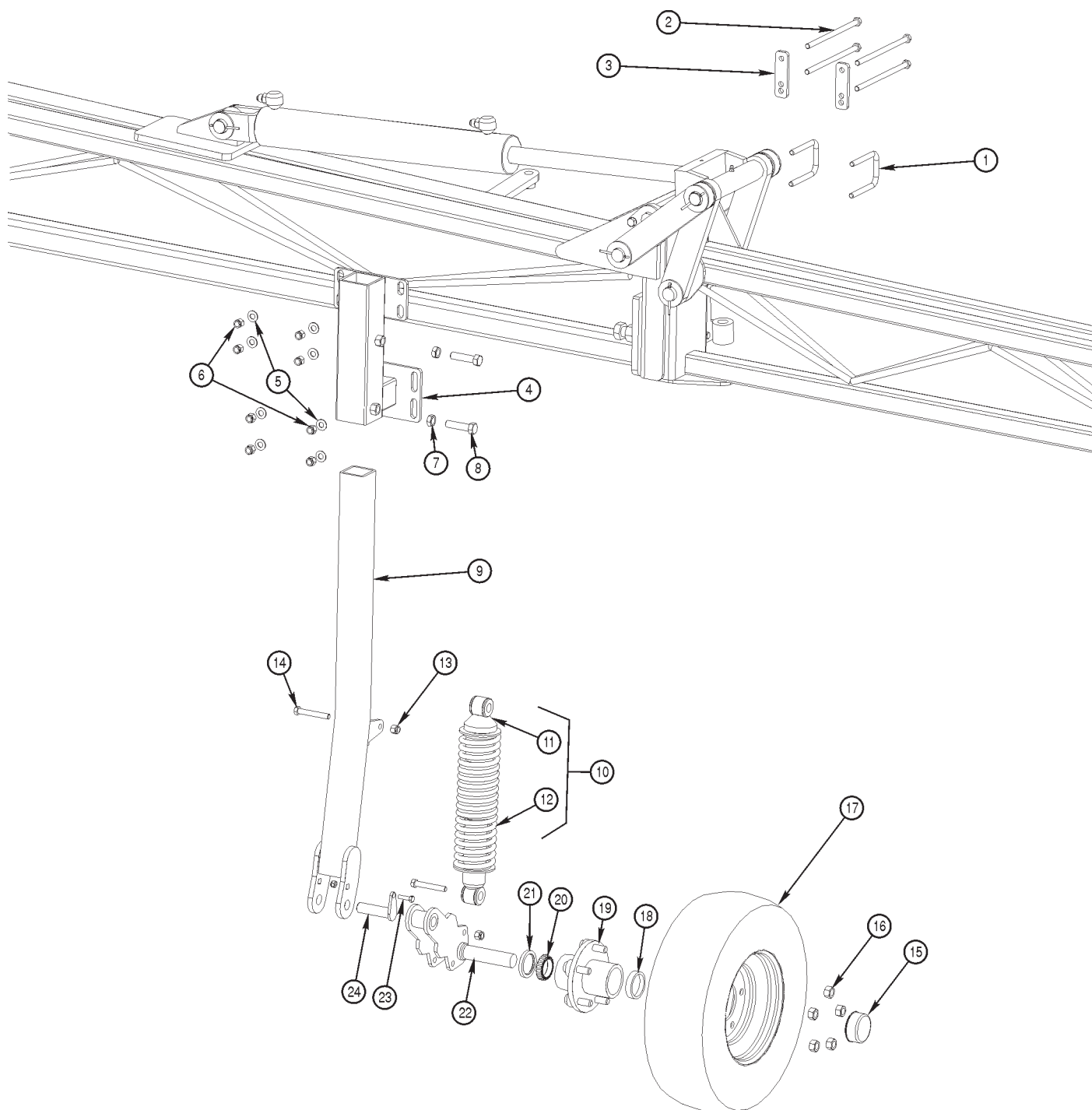
## AutoBoom

### Eye Assembly



| Item | Part Number | Qty | Description                     | Comments                      |
|------|-------------|-----|---------------------------------|-------------------------------|
| 1    | 611000211   | 1   | Housing, Upper                  |                               |
| 2    | 611000210   | 1   | Housing, Lower                  |                               |
| 3    | 611000212   | 1   | Arm, Mounting                   |                               |
| 4A   | 690000020   | 4   | U-bolt, 3/8-16 x 1 1/2" x 2 1/2 | Used to mount both wing eyes  |
| 4B   | 690000021   | 2   | U-bolt, 3/8-16 x 2" x 3         | Used to mount center eye      |
| 5    | 901003020   | 12  | Nut, Nylock 3/8-16              |                               |
|      |             |     |                                 |                               |
|      | 690000019   | 2   | Clamp Plates                    |                               |
|      | 900106531   | 4   | Bolt, 3/8-16 x 8"               | Used to mount center rack eye |
|      | 611000080   | 1   | Eye, Ultrasonic R/H             |                               |
|      | 611000081   | 1   | Eye, Ultrasonic L/H             |                               |
|      | 611000194   | 1   | Eye, Ultrasonic Center Rack     |                               |
|      | 700000530   | 2   | Harness, 45' Ext Ultrasonic Eye | Used on all boom lengths      |
|      | 700000519   | 2   | Harness, Jumper 100 ft boom     | Required for 100 ft booms     |
|      | 700000556   | 2   | Cable, 30' Ultrasonic Sensor    | Used for 5 sensor eye kit.    |
|      | K65000194   |     | Kit, Ultra Glide Plus           |                               |
|      | 611000199   |     | Ultrasonic Sensor               | Sensor Only                   |
|      | K65000195   |     | Kit, Ultra Glide with Wheels    |                               |

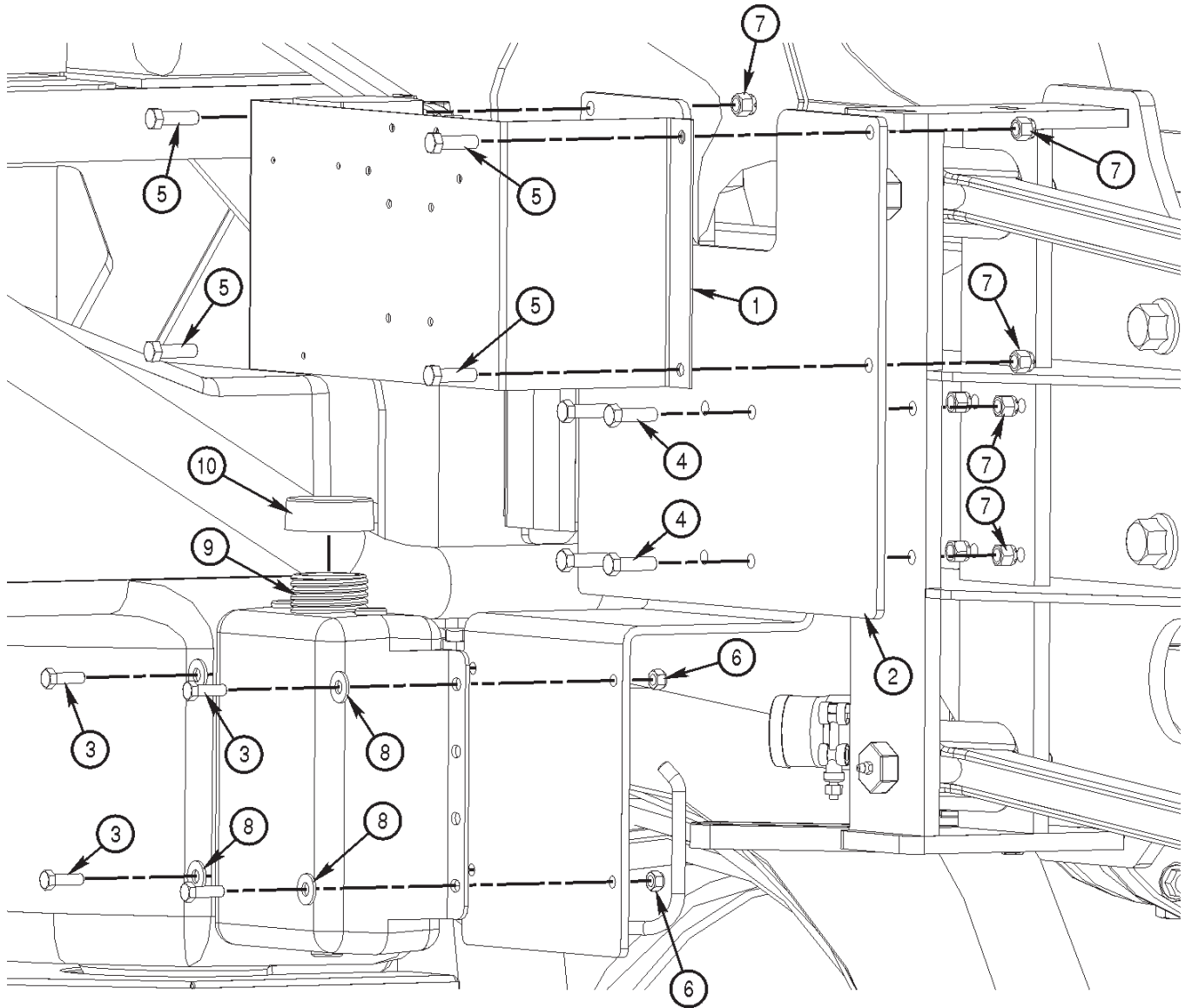
# Wheel Assembly



| Item | Part Number | Qty | Description                         | Comments                              |
|------|-------------|-----|-------------------------------------|---------------------------------------|
| 1    | 690000021   | 4   | U-Bolt, 3/8-16 x 2" W x 3" L        |                                       |
| 2    | 900106531   | 8   | Bolt, HHCS 3/8-16 x 8               |                                       |
| 3    | 690000019   | 4   | Clamp Plate, AutoBoom wheel bracket |                                       |
| 4    | 690000018   | 2   | Bracket, AutoBoom Wheel             |                                       |
| 5    | 902003045   | 16  | Washer, Flat 3/8" ZP                |                                       |
| 6    | 901003020   | 16  | Nut, Nylock 3/8" ZP                 |                                       |
| 7    | 901000541   | 4   | Nut, Jam 1/2-13                     |                                       |
| 8    | 900003245   | 4   | Bolt, HHCS 1/2-13 x 1 1/2" G5 ZP    |                                       |
| 9    | 661000207   | 1   | Support Leg, AutoBoom Wheel         | Support Leg Only                      |
| 9A   | 611000161   | 1   | Suspension Strut Kit, LH            | Includes Items #9 to #24, except #17. |
| 9B   | 611000162   | 1   | Suspension Strut Kit, RH            | Includes Items #9 to #24, except #17. |
| 10   | K65000188   | 1   | Assembly, Shock                     | Includes shock and spring             |
| 11   | 611000206   | 1   | Shock, AutoBoom                     | Shock Only                            |
| 12   | 611000205   | 1   | Spring, AutoBoom                    | Spring Only                           |
| 13   | 901100741   | 2   | Nut, Nylock M10                     |                                       |
| 14   | 900100002   | 2   | Bolt, M10 x 1.50 x 60 mm            |                                       |
| 15   | 740000061   | 1   | Cap, Hub AutoBoom Wheel             |                                       |
| 16   | 900100041   | 5   | Nut, 1/2-20 Lug AutoBoom Wheel      |                                       |
| 17A  | 611000169   | 1   | Rim and Tire Assembly, Run Flat     |                                       |
| 17B  | 611000150   | 1   | Rim and Tire Assembly, Treaded      |                                       |
| 18   | 611000159   | 1   | Bearing, Wheel Hub                  |                                       |
| 19   | 611000168   | 1   | Hub Assembly, AutoBoom Wheel        | Seal P/N 611000160                    |
| 20   | 611000209   | 1   | Needle Bearing, Pivot               |                                       |
| 21   | 611000160   | 1   | Seal                                |                                       |
| 22   | 611000166   | 1   | Pivot, AutoBoom Wheel               |                                       |
| 23   | 900002610   | 1   | Bolt, HHCS 5/16-18 x 1" G5 ZP       |                                       |
| 24   | 611000165   | 1   | Pin, Flag AutoBoom Wheel            |                                       |
|      |             |     |                                     |                                       |
|      | K65000231   | 1   | Kit, AutoBoom PowerGlide            |                                       |

# Foam Marker Equipment

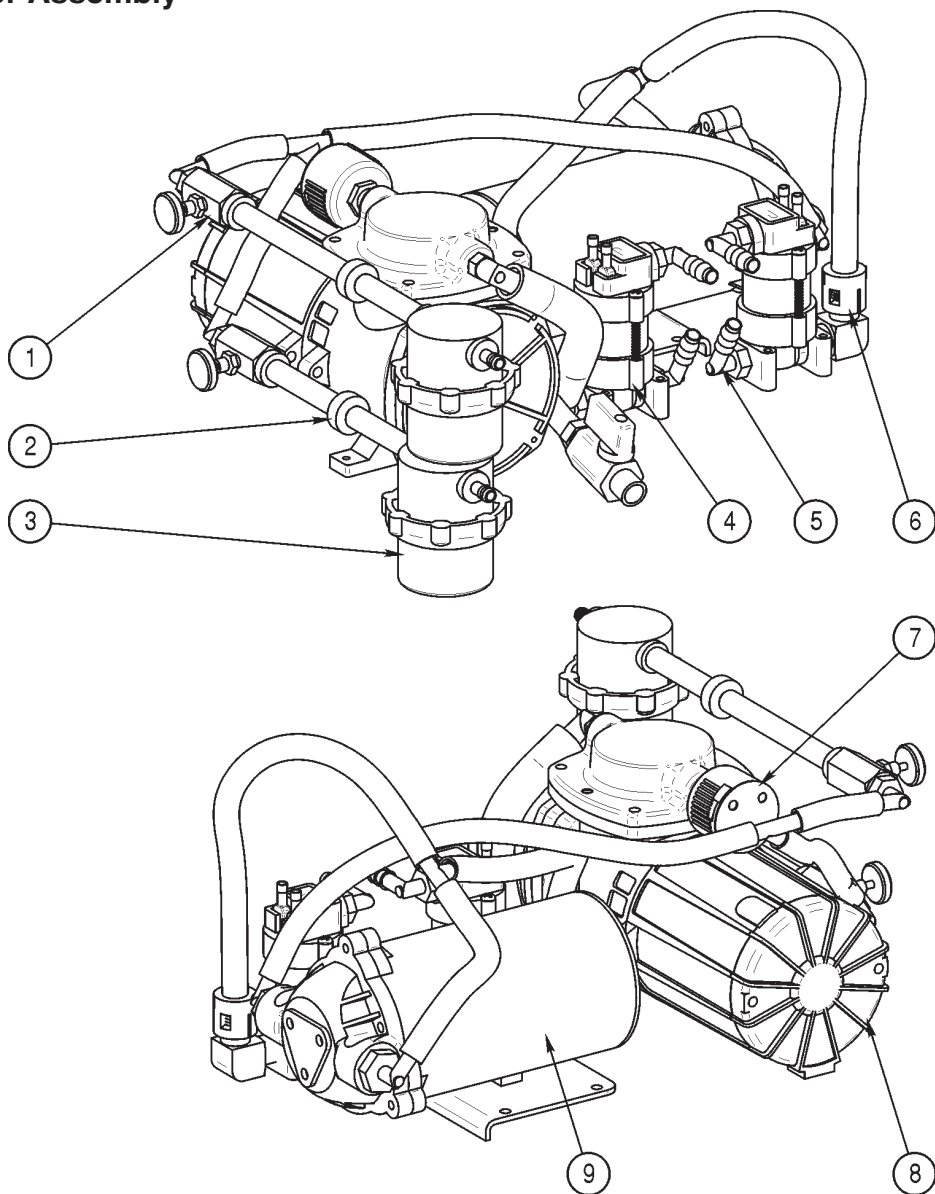
## Foamer Tank and Pump



| Item | Part Number | Qty | Description                     | Comments                                          |
|------|-------------|-----|---------------------------------|---------------------------------------------------|
| 1    | 540000500   | 1   | Foam Marker, Smucker Landmark   | Foamer Assembly with 2 Foam drops and Foamer Tank |
| 2    | 690001552   | 1   | Bracket, Foam Marker            |                                                   |
| 3    | 900002395   | 4   | Bolt, HHCS 1/4-20 x 3/4 G5 ZP   |                                                   |
| 4    | 900002835   | 4   | Bolt, HHCS 3/8-16 x 1 1/2 G5 ZP |                                                   |
| 5    | 900002815   | 4   | Bolt, HHCS 3/8-16 x 1 G5 ZP     |                                                   |
| 6    | 901003000   | 4   | Nut, Nylock 1/4-20 ZP           |                                                   |
| 7    | 901003020   | 8   | Nut, Nylock 3/8-16 ZP           |                                                   |
| 8    | 902003035   | 4   | Washer, Flat 1/4-20 ZP          |                                                   |
| 9    | 540000507   | 1   | Tank, Foamer                    |                                                   |
| 10   | 540000516   | 1   | Lid, Foamer Tank                |                                                   |
|      | K65000197   | A/R | Kit, Foam Marker Combo Boom     |                                                   |
|      | K65000198   | A/R | Kit, Foam Marker Straight Boom  |                                                   |

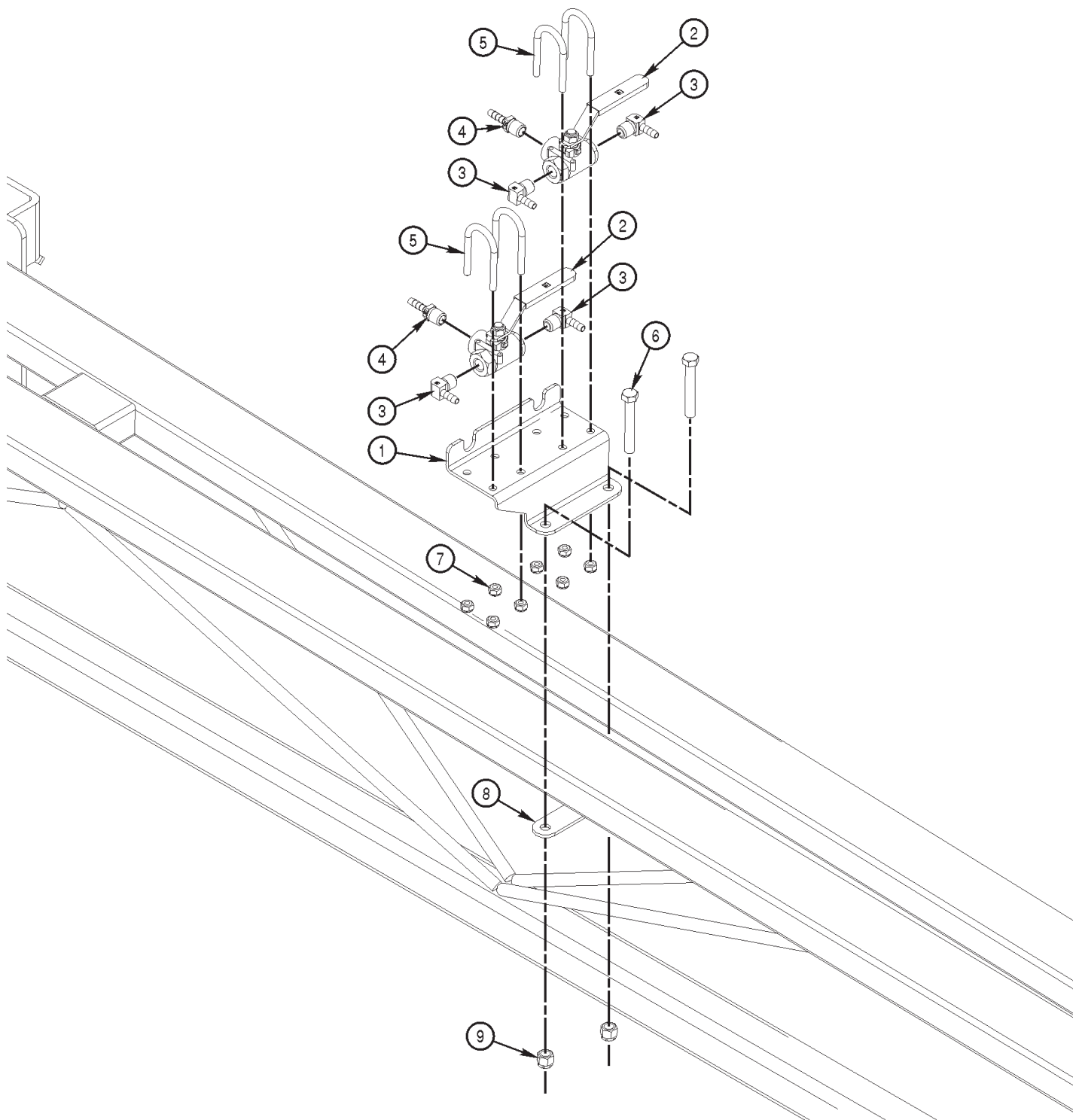


## Foamer Pump and Compressor Assembly



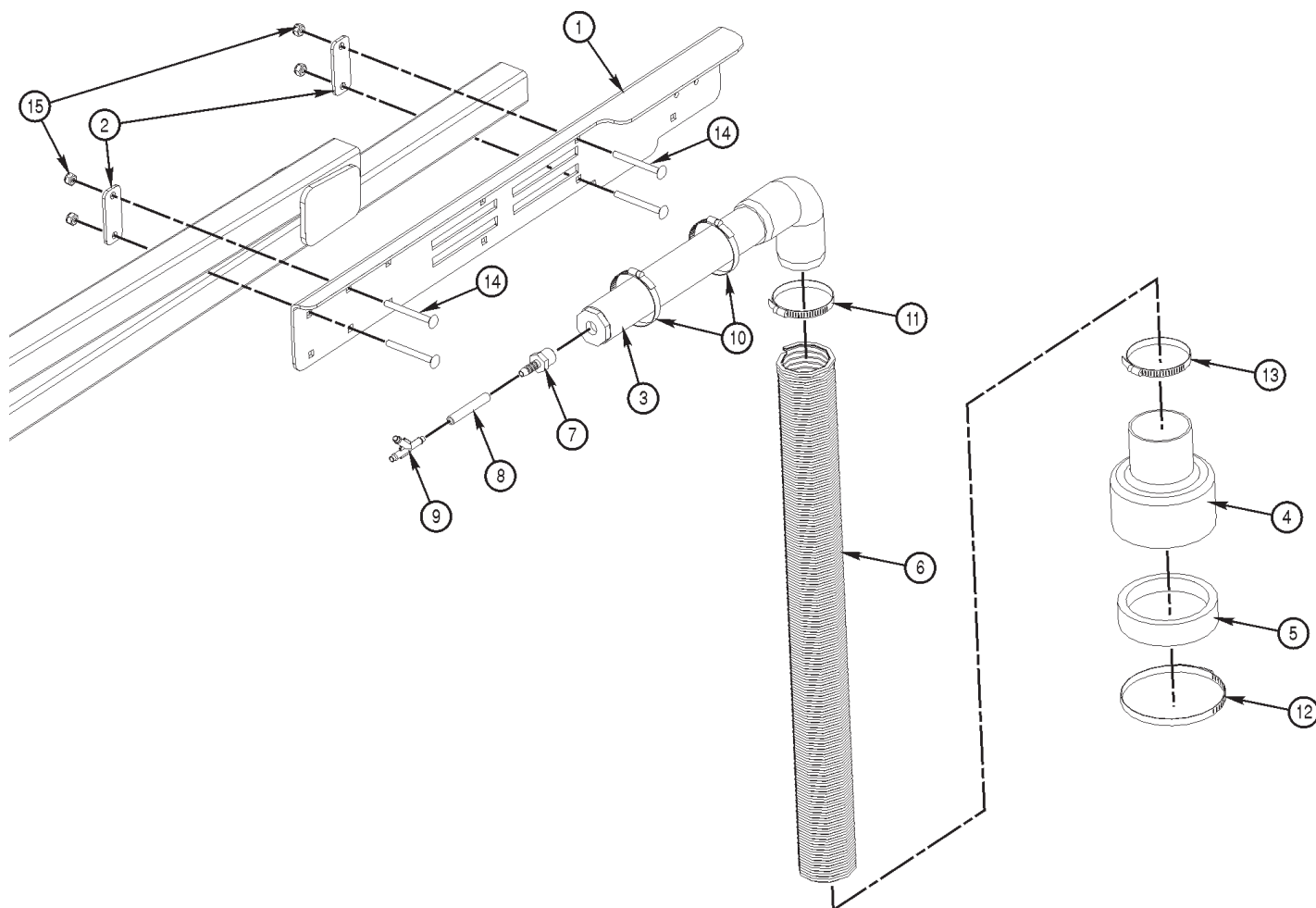
| Item | Part Number | Qty | Description                        | Comments                                                                           |
|------|-------------|-----|------------------------------------|------------------------------------------------------------------------------------|
| 1    | 540000527   | 2   | Brass Needle Valve                 |                                                                                    |
| 2A   | 540000088   | 2   | Check Valve, Foamer                |                                                                                    |
| 2B   | 540000529   | 2   | Check Valve, Foamer                | New Style: White in Color, Approximately 1" long, Installed on newer foam markers. |
| 3    | 540000061   | 2   | Strainer, RVM Threaded             | 1/4" Hose Barb Ends P/N 540000530                                                  |
| 4    | 540000079   | 2   | Valve, Foam Marker                 |                                                                                    |
| 5    | 540000526   | 5   | Fitting, 1/4" PM x 1/4" HB 90      |                                                                                    |
| 6    | 540000512   | 1   | Valve, Check 1/2" Thread Smucker   |                                                                                    |
| 7    | 540000005   | 1   | Breather, Foamer Compressor        |                                                                                    |
| 8    | 540000506   | 1   | Compressor, Air Foam Smucker       |                                                                                    |
| 9    | 540000510   | 1   | Pump, Water Smucker                |                                                                                    |
|      | 540000509   | 1   | Housing, aluminum Smucker          | Not shown                                                                          |
|      | 540000501   | A/R | Split Boom Kit, Smucker Parts Only | Kit includes two foam drop and chamber assemblies                                  |
|      | 540000513   | A/R | Harness, Foam Marker Smucker       | Not shown                                                                          |
|      | K65000197   | A/R | Foam Marker Kit, Combo Boom        | Field ready, complete with hardware                                                |
|      | K65000198   | A/R | Foam Marker Kit, Straight Boom     | Field ready, complete with hardware                                                |
|      | 540000500   | 1   | Foam Marker, Smucker Landmark      | Foamer assembly with two foam drops                                                |

## Foam Splitter



| Item | Part Number | Qty | Description                                  | Comments |
|------|-------------|-----|----------------------------------------------|----------|
| 1    | 690001546   | 1   | Bracket, Foam Splitter Valve                 |          |
| 2    | 800401864   | 2   | Valve, 3 Way Foam Marker Split 1/4, 1/4, 1/4 |          |
| 3    | 800401863   | 4   | Fitting, 1/4 Pipe 90 1/4 HB                  |          |
| 4    | 800000025   | 2   | Barb, Hose 1/4 x 1/4 P 125HBL-4-4            |          |
| 5    | 915002564   | 4   | U-Bolt 1/4-20 x 1 3/8" Dia                   |          |
| 6    | 900002855   | 2   | Bolt, HHCS 3/8-16 x 2 1/2 G5 ZP              |          |
| 7    | 901003000   | 8   | Nut, Nylock 1/4-20 ZP                        |          |
| 8    | 600000173   | 1   | Bracket, Clamp Plate 2 Section Valve         |          |
| 9    | 901003020   | 2   | Nut, Nylock 3/8-16 ZP                        |          |

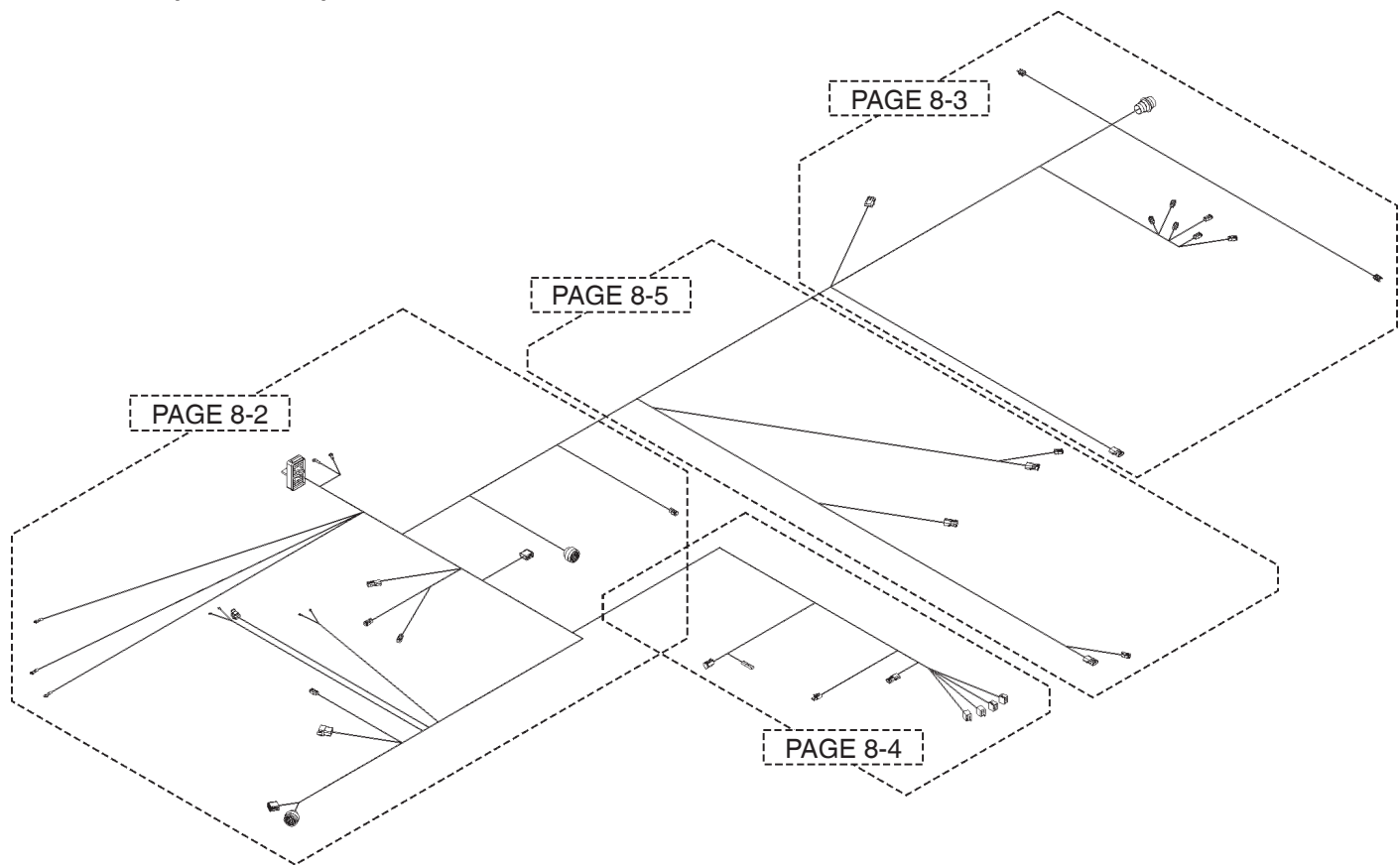
## Foam Drop Tube



| Item | Part Number | Qty | Description                    | Comments              |
|------|-------------|-----|--------------------------------|-----------------------|
| 1A   | 690001540   | 1   | Bracket, Foam Drop R/H         |                       |
| 1B   | 690001541   | 1   | Bracket, Foam Drop L/H         |                       |
| 2    | 690001542   | 2   | Plate, Clamp 1.5"              |                       |
| 3    | 540000503   | 1   | Foam Chamber                   | Less Nozzle and Boot  |
| 4    | 540000514   | 1   | Boot, Foam Drop                |                       |
| 5    | 540000505   | 1   | Screen and Ring in foam boot   |                       |
| 6    | 540000515   | 1   | Hose, Drop Tube                |                       |
| 7    | 540000518   | 1   | Fitting, 3/8 OM x 1/4 HB       |                       |
| 8    | 540000519   | 1   | Hose, 1/4 Clear Vinyl 3" Long  |                       |
| 9    | 540000517   | 1   | Hose Barb Y 1/4 x 1/4 x 1/4    |                       |
| 10   | 915001302   | 2   | Clamp, Screw # 24              |                       |
| 11   | 915001303   | 1   | Clamp, Screw # 32              |                       |
| 12   | 915001305   | 1   | Clamp, Screw # 064             |                       |
| 13   | 915001304   | 1   | Clamp, Screw # 40              |                       |
| 14   | 900106521   | 4   | Bolt, Carriage 1/4-20 x 2 1/2  |                       |
| 15   | 901003000   | 4   | Nut, Nylock 1/4-20 ZP          |                       |
|      | K65000197   | A/R | Kit, Foam Marker Combo Boom    |                       |
|      | K65000198   | A/R | Kit, Foam Marker Straight Boom |                       |
|      | 540000504   | A/R | Foam Drop Assembly             | Includes items 3 - 13 |
|      | 540000525   | A/R | Sock in foam boot              |                       |
|      | RM800160    | A/R | Hose, 1/4" Black Vinyl         | Foamer Hose           |
|      | 640100138   | A/R | Hose Mender 1/4"               | Not shown             |

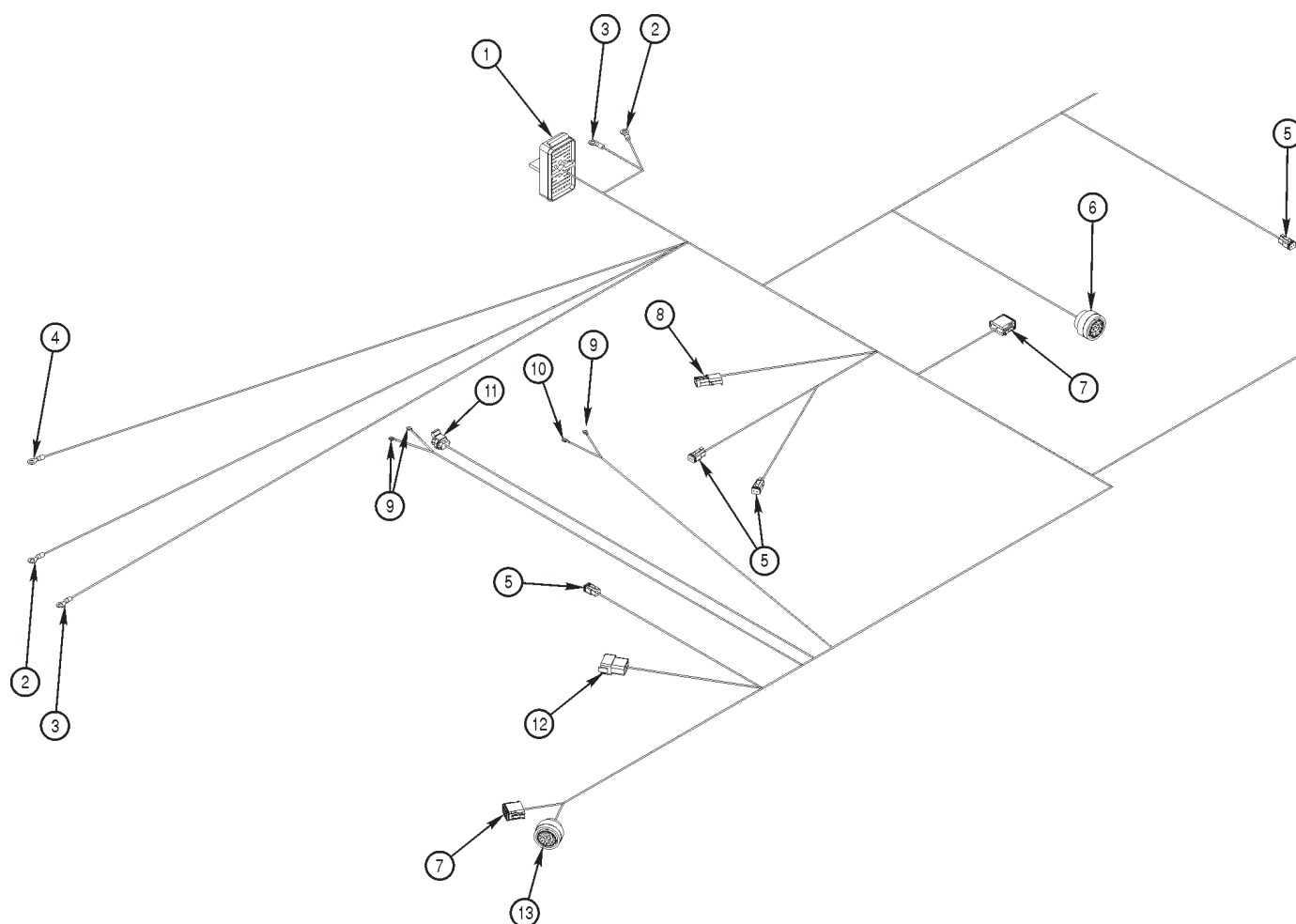


Electrical  
Main Harness  
All Models (Overview)



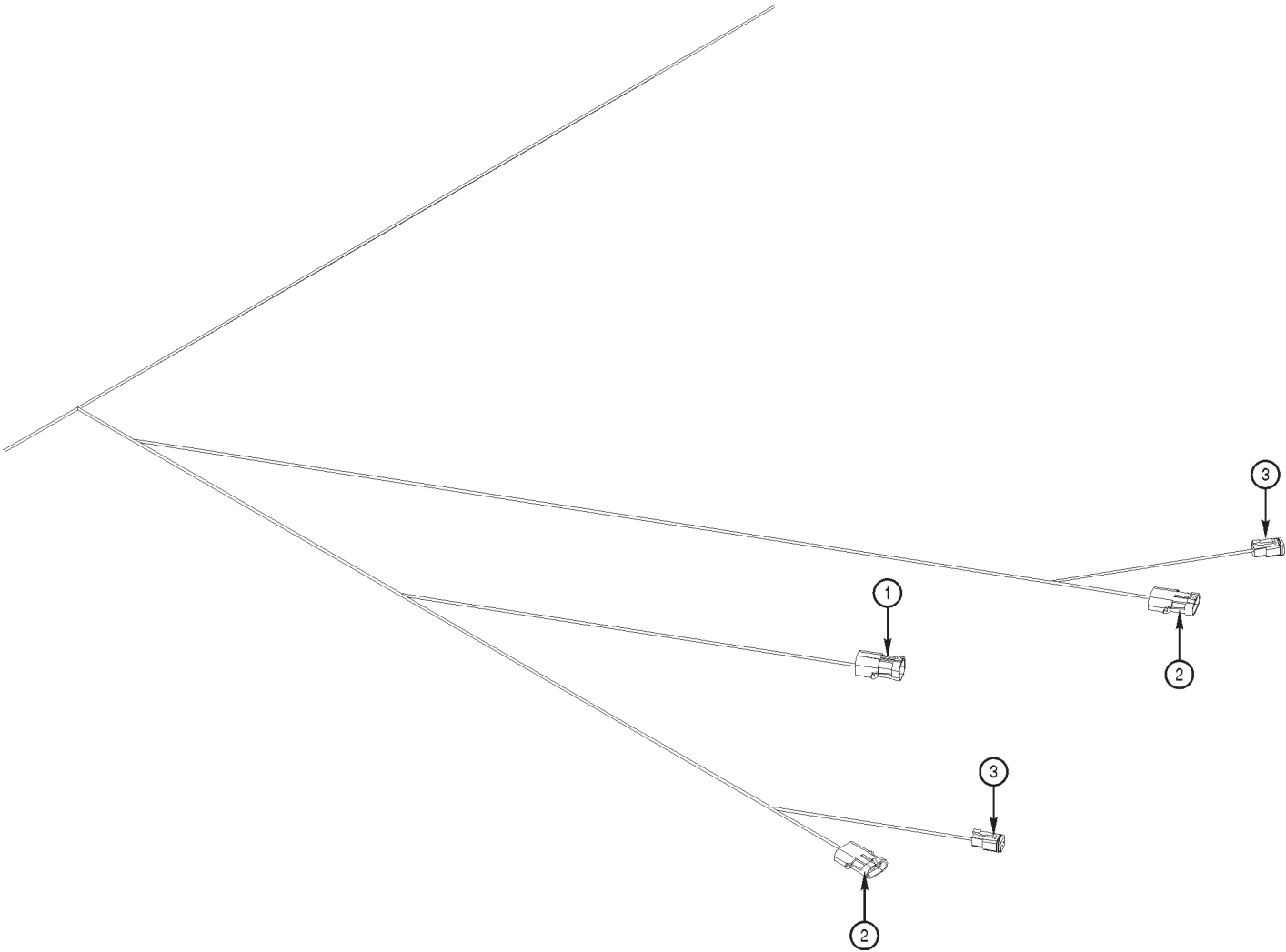
| Item | Part Number | Description   | Comments         |
|------|-------------|---------------|------------------|
|      | 700000563   | Harness, Main | Complete Harness |
|      |             |               |                  |
|      |             |               |                  |
|      |             |               |                  |
|      |             |               |                  |
|      |             |               |                  |

## Detail 1



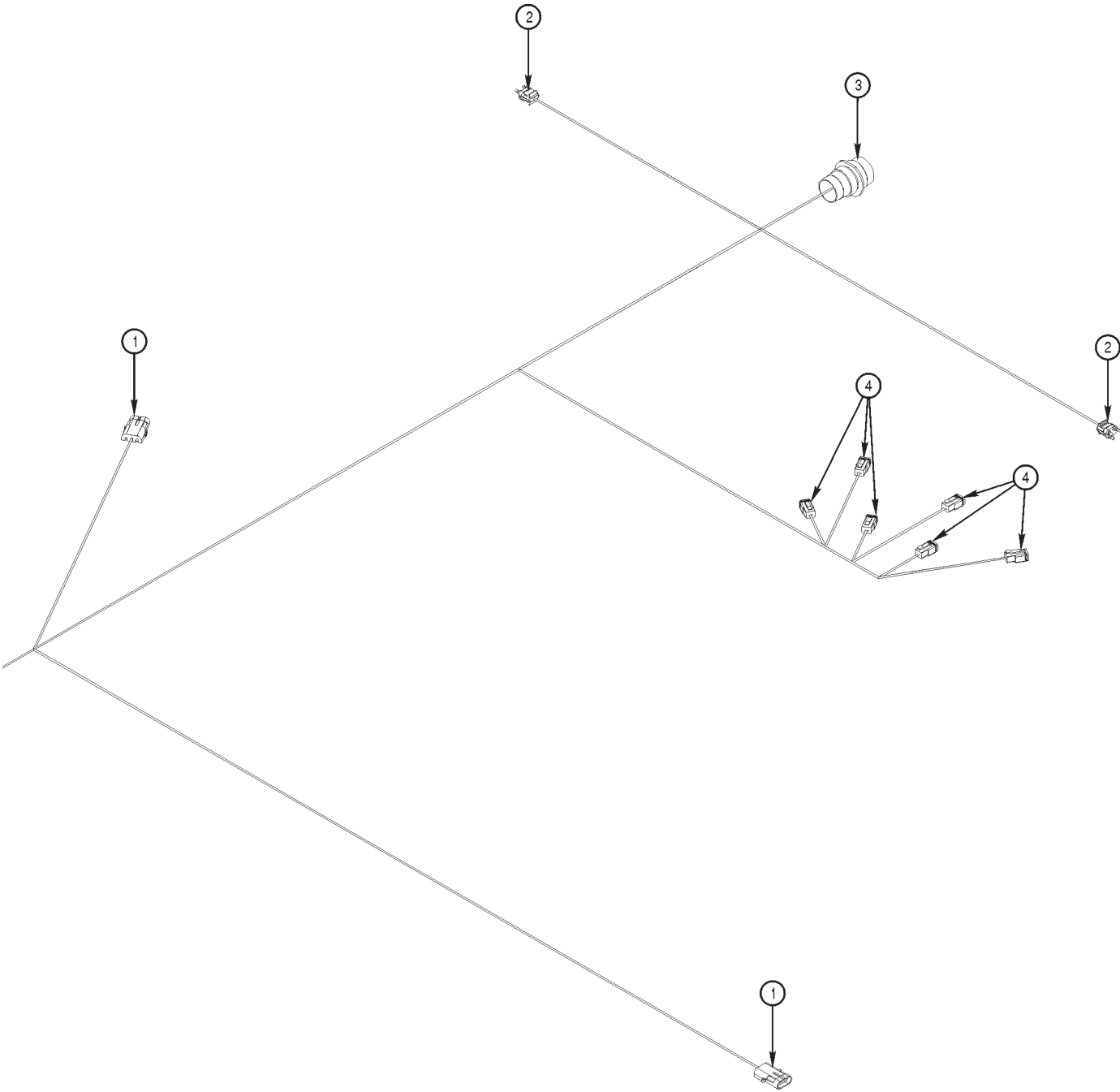
| Item | Part Number | Description                           | Comments                                     |
|------|-------------|---------------------------------------|----------------------------------------------|
| 1    | 760000042   | Connector, Deutsch DRB12-102PAE       | Connects to Cab Harness                      |
| 2    | 770000000   | Ring Terminal, 3/8"                   | Connects to Cab Grd,Cab Power, Fuse block    |
| 3    | 770000003   | Ring Terminal, 5/16" 6 AWG            | Connects to Cab Power                        |
| 4    | 770000002   | Ring Terminal 3/8" 8 AWG              | Connects to Cab Fuse Block Battery Power     |
| 5    | 700000099   | Connector, Deutsch DT06-2S            | Connects to Hydraulic Temp, Suspension, Rack |
| 6    | 760000009   | Connector, Deutsch HDP26-24-19SN      | Connects to HVAC                             |
| 7    | 700000027   | Connector, Deutsch DT06-12SA          | Connects to AOG, Engine Accessory            |
| 8    | 700000026   | Connector, Weatherpack 2 Pos          | Connects to Brake Switch, Fill Station light |
| 9    | 700000008   | Connector, 1/4" Female Spade          | Connects to Horn                             |
| 10   | 760000051   | Connector 1/4" Female Spade 22-18 AWG | Connects to Horn Ground                      |
| 11   | 760000043   | Connector, Delphi 6 Pos 12052848      | Connects to Water Valve                      |
| 12   | 700000057   | Connector, Deutsch DT04-12PA          | Connects to Transmission                     |
| 13   | 700000028   | Connector, Deutsch HDP26-24-21SN      | Connects to Engine Harness                   |

Detail 2



| Item | Part Number | Description                         | Comments                              |
|------|-------------|-------------------------------------|---------------------------------------|
| 1    | 700000055   | Connector, Weatherpack 4 Pos SH SQ  | Connects to Foamer                    |
| 2    | 700000031   | Connector, Weatherpack 3 Pos Shroud | Connects to L/H and R/H Turn Signal   |
| 3    | 700000099   | Connector, Deutsch DT06-2S          | Connects to L/H and R/H Support light |

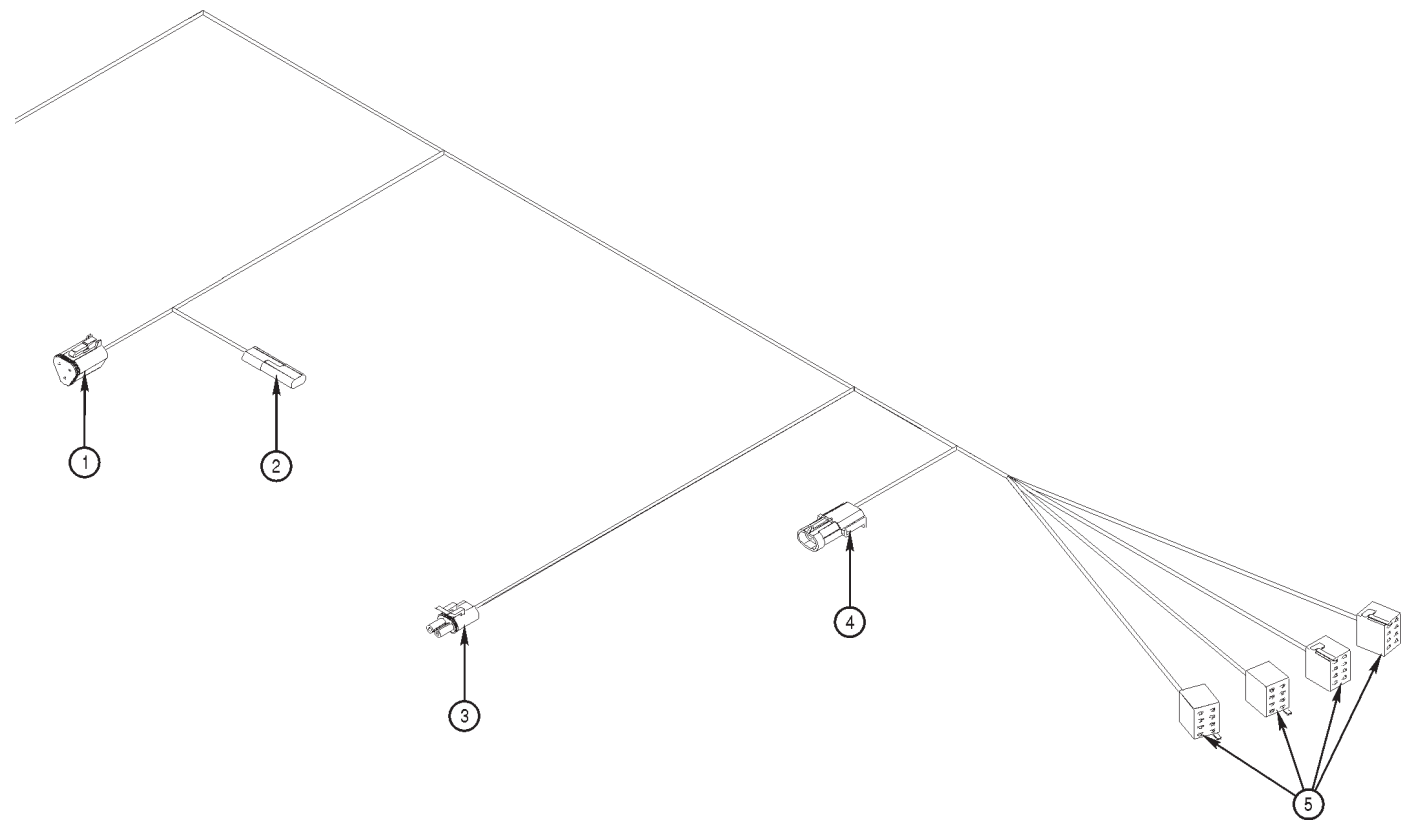
Detail 3



| Item | Part Number | Description                         | Comments                                        |
|------|-------------|-------------------------------------|-------------------------------------------------|
| 1    | 700000031   | Connector, Weatherpack 3 Pos Shroud | Connects to L/H and R/H suspension switch       |
| 2    | 700000036   | Connector, Rear Turn Signal         | Connects to L/H and R/H turn signals            |
| 3    | 700000056   | Connector, Deutsch HD34-24-31PT     | Connects to Boom Harness                        |
| 4    | 700000099   | Connector, Deutsch DT06-2S          | Connects to Susp. Up and Down, Rack Up and Down |



Detail 4

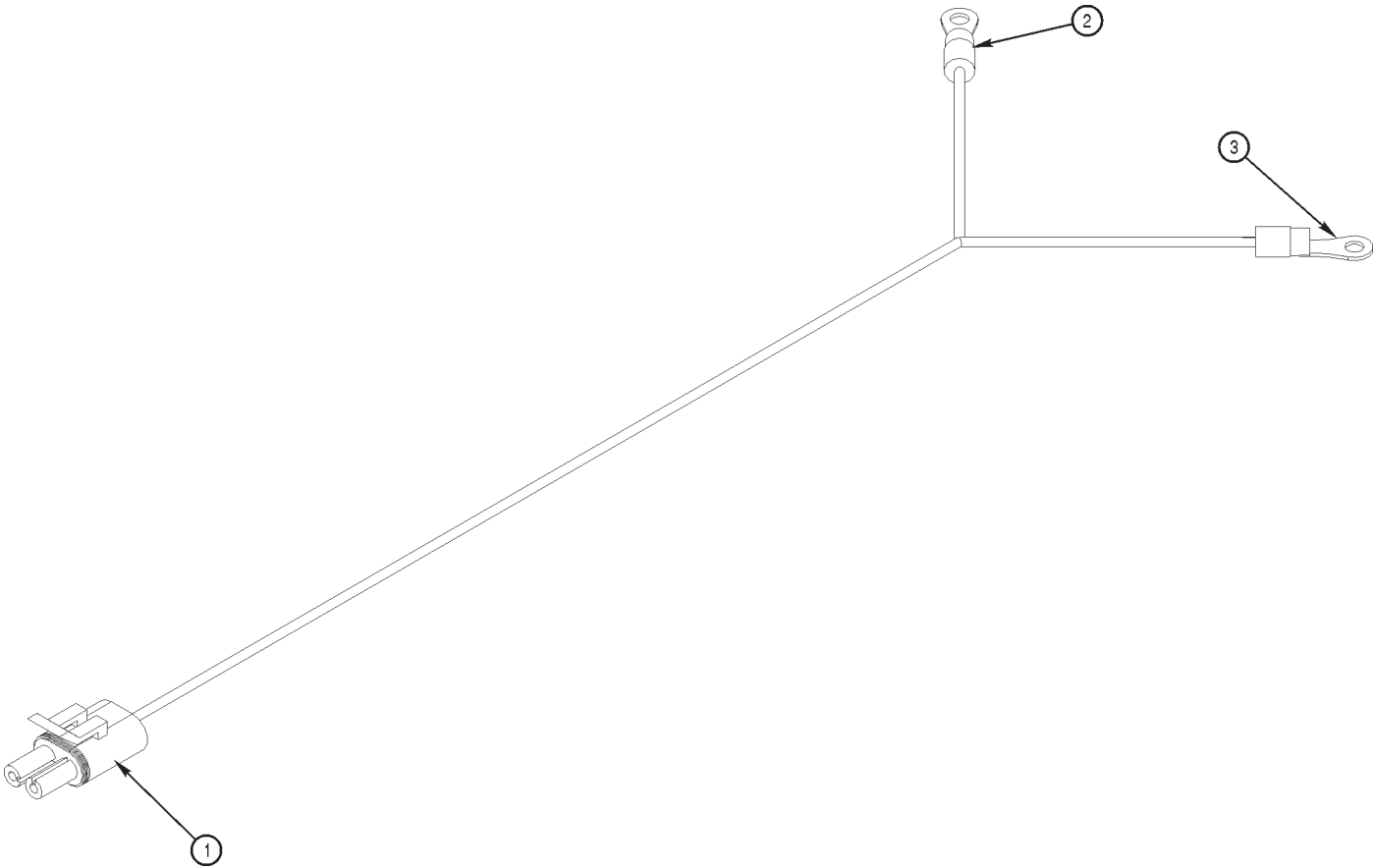


| Item | Part Number | Description                            | Comments                                                                          |
|------|-------------|----------------------------------------|-----------------------------------------------------------------------------------|
| 1    | 700000143   | Connector, Deutsch DT06-3S             | Connects to fuel sender                                                           |
| 2    | 750000003   | Voltage Suppressor, Molded BI-DIR 600W | Voltage Suppressor                                                                |
| 3    | 700000005   | Connector, Weatherpack 2 Pos Tower     | Connects to Agitate Valve                                                         |
| 4    | 700000026   | Connector, Weatherpack 2 Pos Shroud    | Connects to Fill Station Light                                                    |
| 5    | 760000011   | Connector, Carling 8 Pos VCH-01        | Connects to Product pump switch,Agitation switch and override, Fill Station light |



Brake Harness

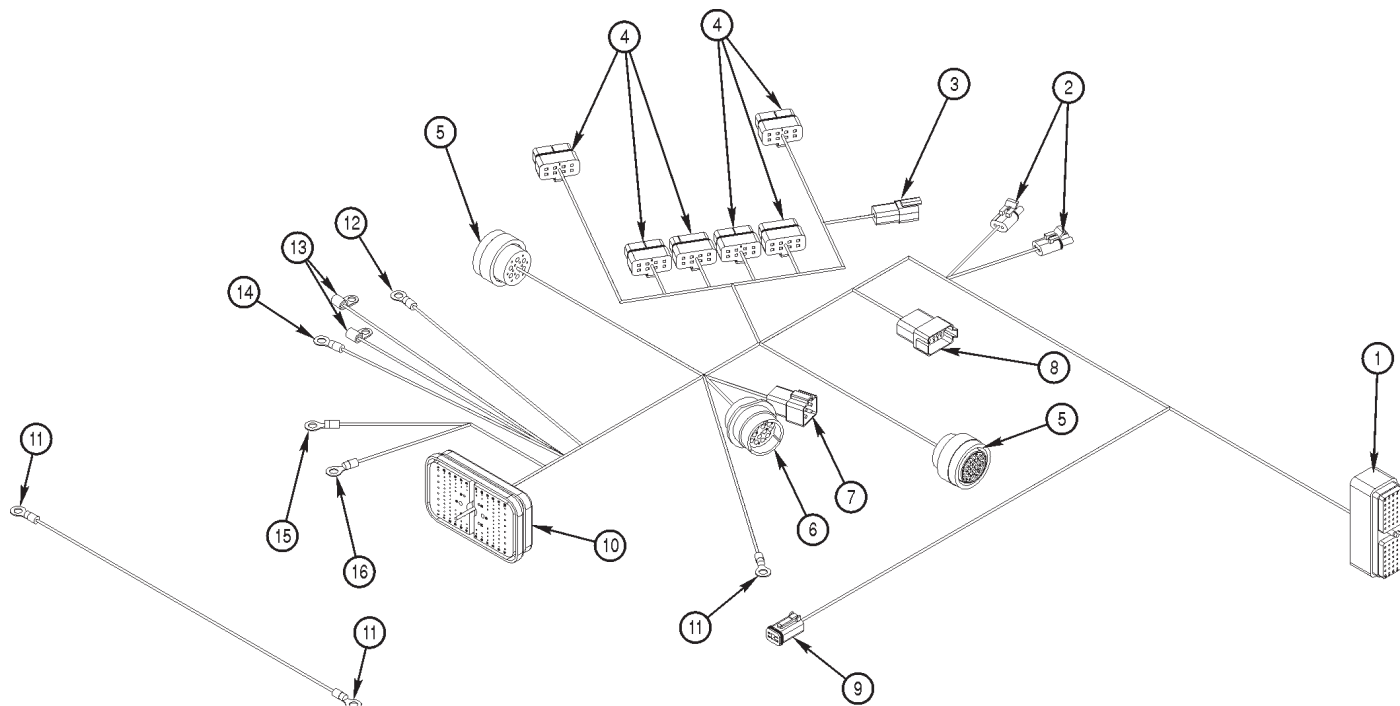
All Models



| Item | Part Number | Description                        | Comments                        |
|------|-------------|------------------------------------|---------------------------------|
| 1    | 760000005   | Connector, Weatherpack 2 Pos Tower | Connects to Main Harness        |
| 2    | 700000148   | Ring Terminal, #6 22-18 AWG        | Connects to Brake Switch Signal |
| 3    | 700000148   | Ring Terminal, #6 22-18 AWG        | Connects to Brake Switch Power  |
|      |             |                                    |                                 |
|      | 700000557   | Harness, Brake Pigtail             | Complete Harness                |

# Cab Harness

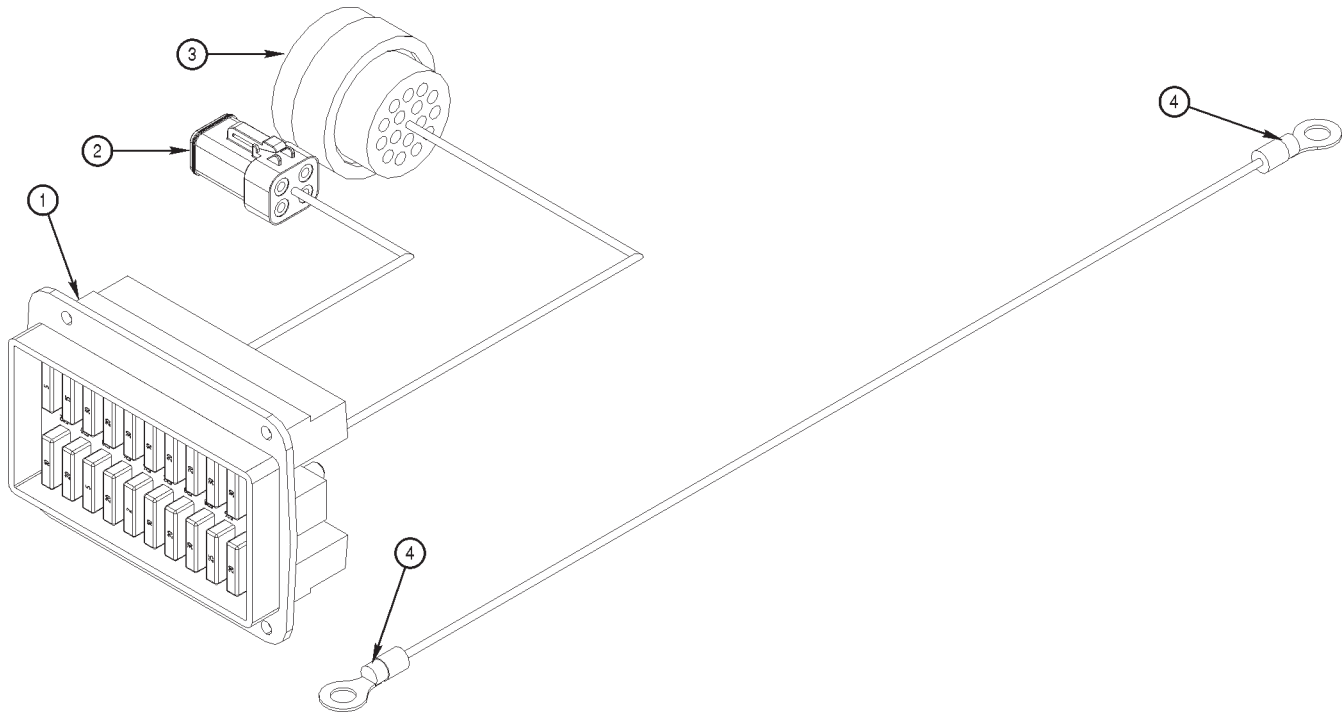
## All Models



| Item | Part Number      | Description                             | Comments                                       |
|------|------------------|-----------------------------------------|------------------------------------------------|
| 1    | 700000145        | Connector, Deutsch DRC16-70SA           | Connects to Main Harness                       |
| 2    | 700000005        | Connector, Weatherpack 2 Pos Tower      | Connects to Aux Battery and Aux Ignition Power |
| 3    | 700000024        | Connector, Deutsch DT04-2P              | Connects to Trans relay                        |
| 4A   | 700000129        | Connector, Bussman 32006-G22 ( Orange ) | Connects to Fuse Block                         |
| 4B   | 700000128        | Connector, Bussman 32006-F22 ( Red )    | Connects to Fuse Block                         |
| 4C   | 700000018        | Connector, Bussman 32006-B22 ( Grey )   | Connects to Fuse Block                         |
| 4D   | 700000127        | Connector, Bussman 32006-H22 ( Brown )  | Connects to Fuse Block                         |
| 4E   | 700000019        | Connector, Bussman 32006-C22 ( Green )  | Connects to Fuse Block                         |
| 4F   | 700000126        | Connector, Bussman 32006-D22 ( Blue )   | Connects to Fuse Block                         |
| 5    | 700000013        | Connector, Deutsch HDP26-24-19SE        | Connects to Upper Cab                          |
| 6    | 760000012        | Connector, Deutsch HDP24-24-16PN        | Connects to Battery Power                      |
| 7    | 700000139        | Connector, Deutsch DT04-4P              | Connects to Ignition Power                     |
| 8    | 700000057        | Connector, Deutsch DT04-12PA            | Connects to Raven Harness                      |
| 9    | 700000079        | Connector, Deutsch DT06-4S              | Connects to Seat Power                         |
| 10   | 700000033        | Connector, Deutsch DRB16-102SAE-L018    | Connects to Main Harness                       |
| 11   | 770000004        | Ring Terminal, 5/16" 12-10 AWG          | Connects to Ground Strap                       |
| 12   | 770000005        | Ring Terminal, 5/16" 8 AWG              | Connects to Fuse Box                           |
| 13   | 700000144        | Terminal, Thomas and Betts E272         | Connects to Fuse Block                         |
| 14   | 770000005        | Ring Terminal, 5/16" 8 AWG              | Connects to Chassis Ground                     |
| 15   | 770000003        | Ring Terminal, 5/16" 6 AWG              | Connects to DRBM flange                        |
| 16   | 770000000        | Ring Terminal, 3/8" 6 AWG               | Connects to DRBM flange                        |
|      | <b>700000564</b> | <b>Complete Harness</b>                 |                                                |

# Bussman RT 15712 Harness

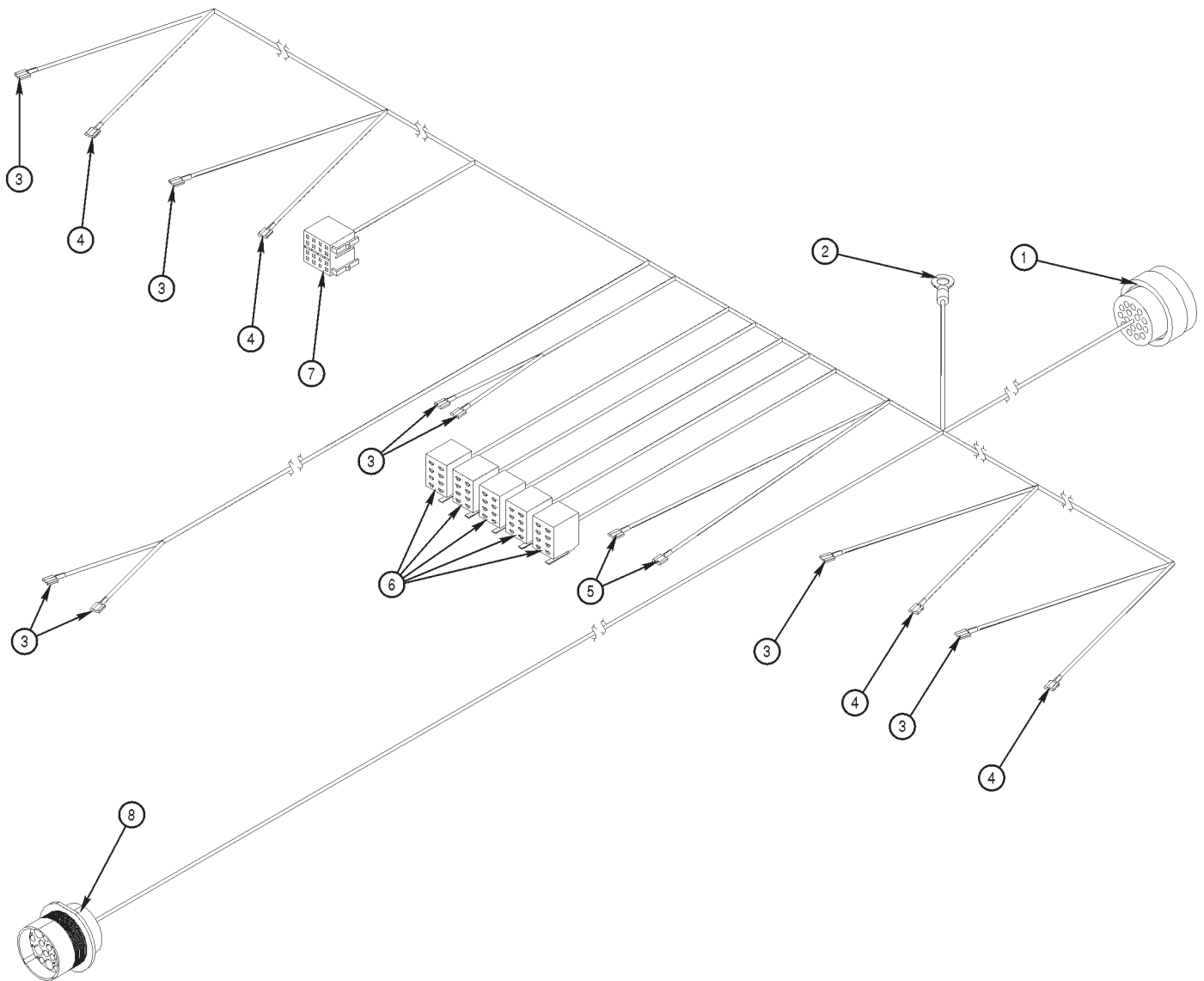
## All Models



| Item | Part Number      | Description                               | Comments                       |
|------|------------------|-------------------------------------------|--------------------------------|
| 1    | 700100301        | Fuse Block, RT Bussman                    | Fuse Block                     |
| 2    | 700000138        | Connector, Deutsch DTP06-4S               | Connects to Ignition Power Out |
| 3    | 760000036        | Connector, Deutsch HDP26-24-16SN          | Connects to Battery Power Out  |
| 4    | 700000015        | Connector, 5/16" Ring Terminal            | Connects to Battery Power      |
|      | <b>700100302</b> | <b>Harness, Bussman Rt 15712 Assembly</b> | <b>Complete Harness</b>        |

# Upper Cab Harness

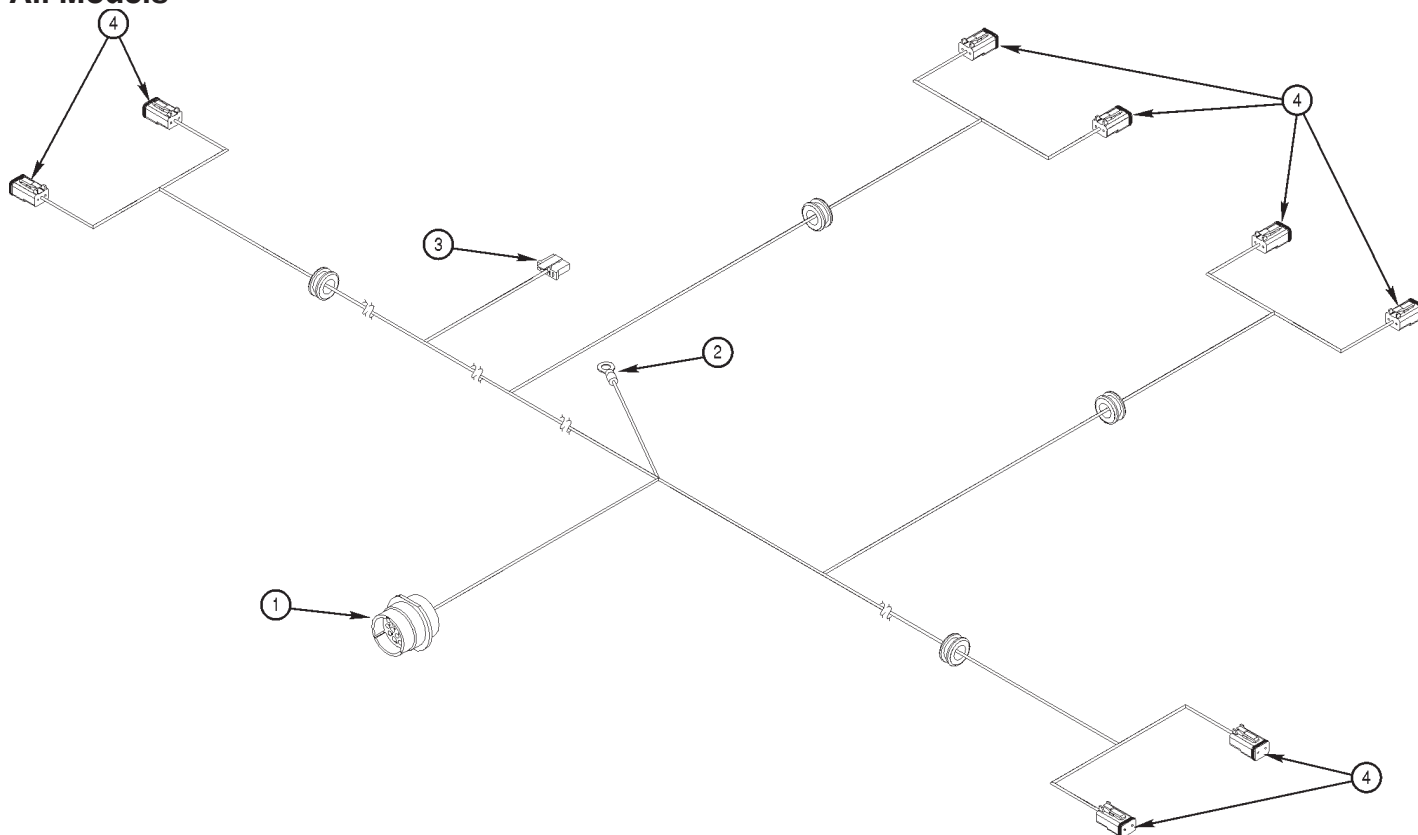
## All Models



| Item | Part Number      | Description                             | Comments                                      |
|------|------------------|-----------------------------------------|-----------------------------------------------|
| 1    | 760000015        | Connector, Deutsch HD36-24-16SN         | Connects to Roof Harness                      |
| 2    | 700000015        | Connector, 5/16" Ring Terminal          | Upper Cab Ground                              |
| 3    | 760000051        | Connector, 1/4" Female Spade 22-18 AWG  | Connects to Power point, Speakers, Pann Light |
| 4    | 760000053        | Connector, 3/16" Female Spade 22-18 AWG | Connects to Speakers                          |
| 5    | 700000008        | Connector 1/4" Female Spade 16-14 AWG   | Connects to power point                       |
| 6    | 760000011        | Connector, Carling 8 Pos VCH-01         | Connects to Lights                            |
| 6    | 760000016        | Connector, Radio Packard                | Connects to Radio                             |
| 8    | 760000014        | Connector, Deutsch HDP24-24-19PE        | Connects to cab Harness                       |
|      | <b>700000536</b> | <b>Harness, Upper Cab</b>               | <b>Complete Harness</b>                       |

# Cab Roof Harness

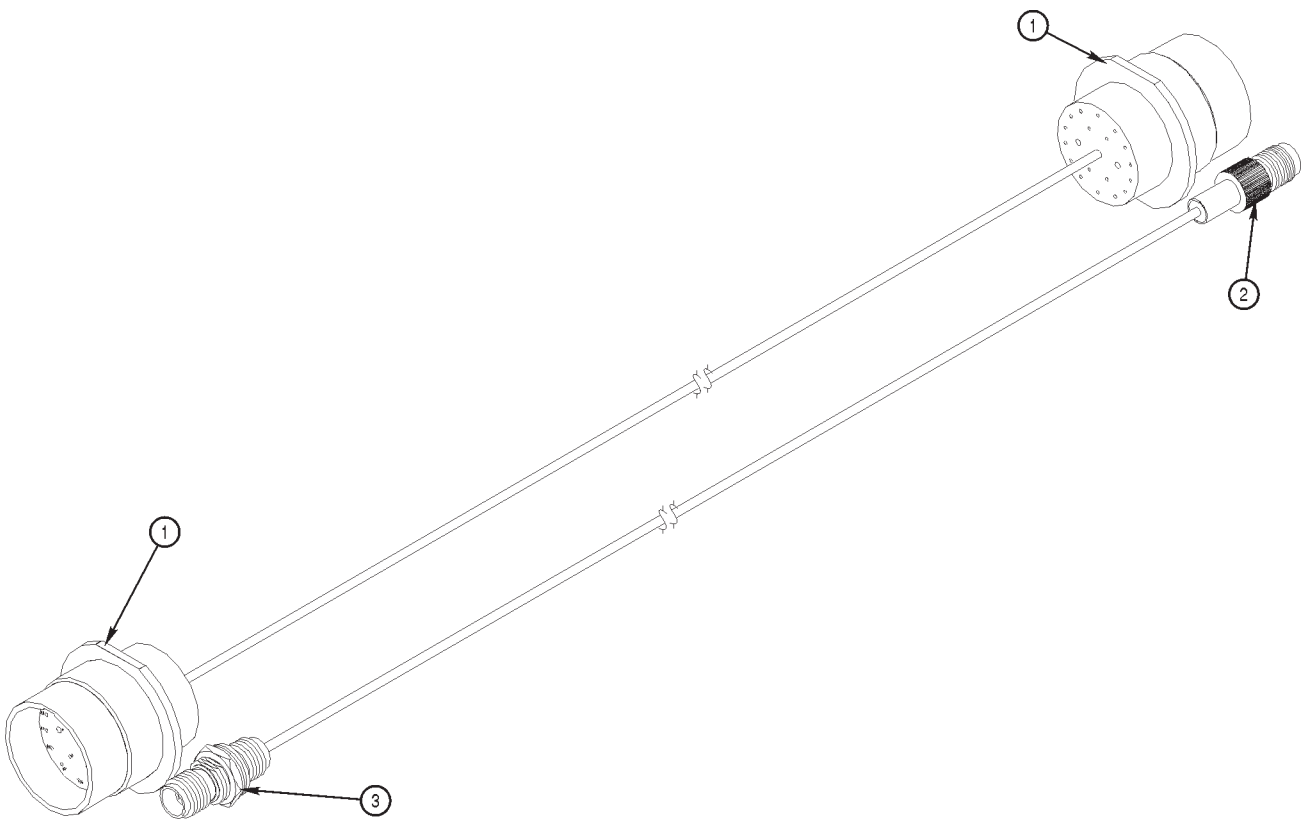
## All Models



| Item | Part Number | Description                     | Comments                |
|------|-------------|---------------------------------|-------------------------|
| 1    | 760000028   | Connector, Deutsch HD34-24-16PN | Connects to Cab Floor   |
| 2    | 770000006   | Ring Terminal, 5/16" 4 AWG      | Connects to Cab Ground  |
| 3    | 760000029   | Connector, Delphi 5 Pos         | Connects to Wiper Motor |
| 4    | 700000099   | Connector, Deutsch DT06-2S      | Connects to Lights      |
|      |             |                                 |                         |
|      | 700000548   | Harness, Cab Roof               | Complete Harness        |

# Antenna Harness

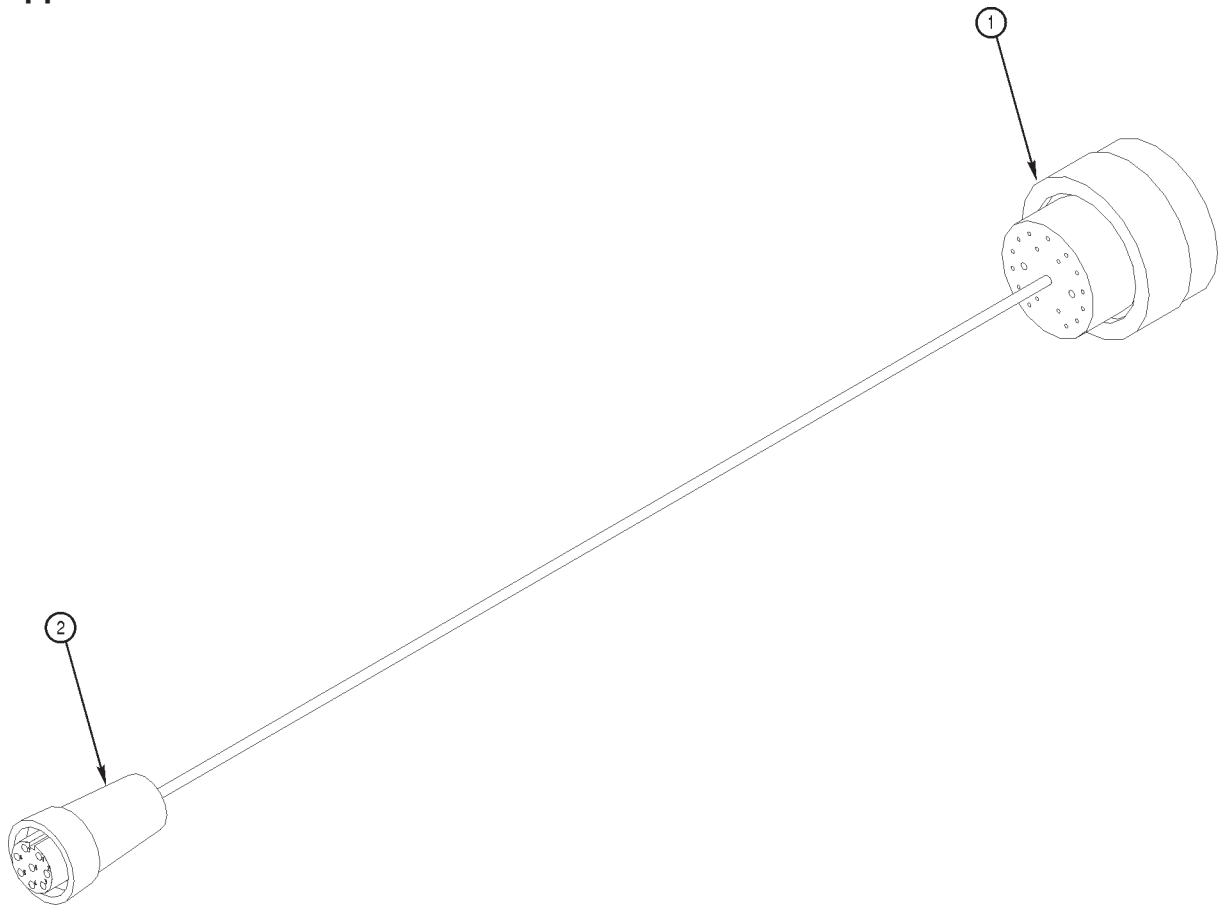
## All Models



| Item | Part Number | Description                      | Comments                 |
|------|-------------|----------------------------------|--------------------------|
| 1    | 700000205   | Connector, Deutsch HD34-18-20PN  | Antenna Roof / Inner Cab |
| 2    | 760000018   | Connector, Coax TNC Female Crimp | Antenna Inner Cab        |
| 3    | 760000017   | Connector, Coax TNC Female BH    | Antenna Roof             |
|      |             |                                  |                          |
|      | 700000537   | Harness, Antenna ( Under Roof )  | Complete Harness         |

Phoenix 200 Antenna  
to Cab Harness

All Equipped Models

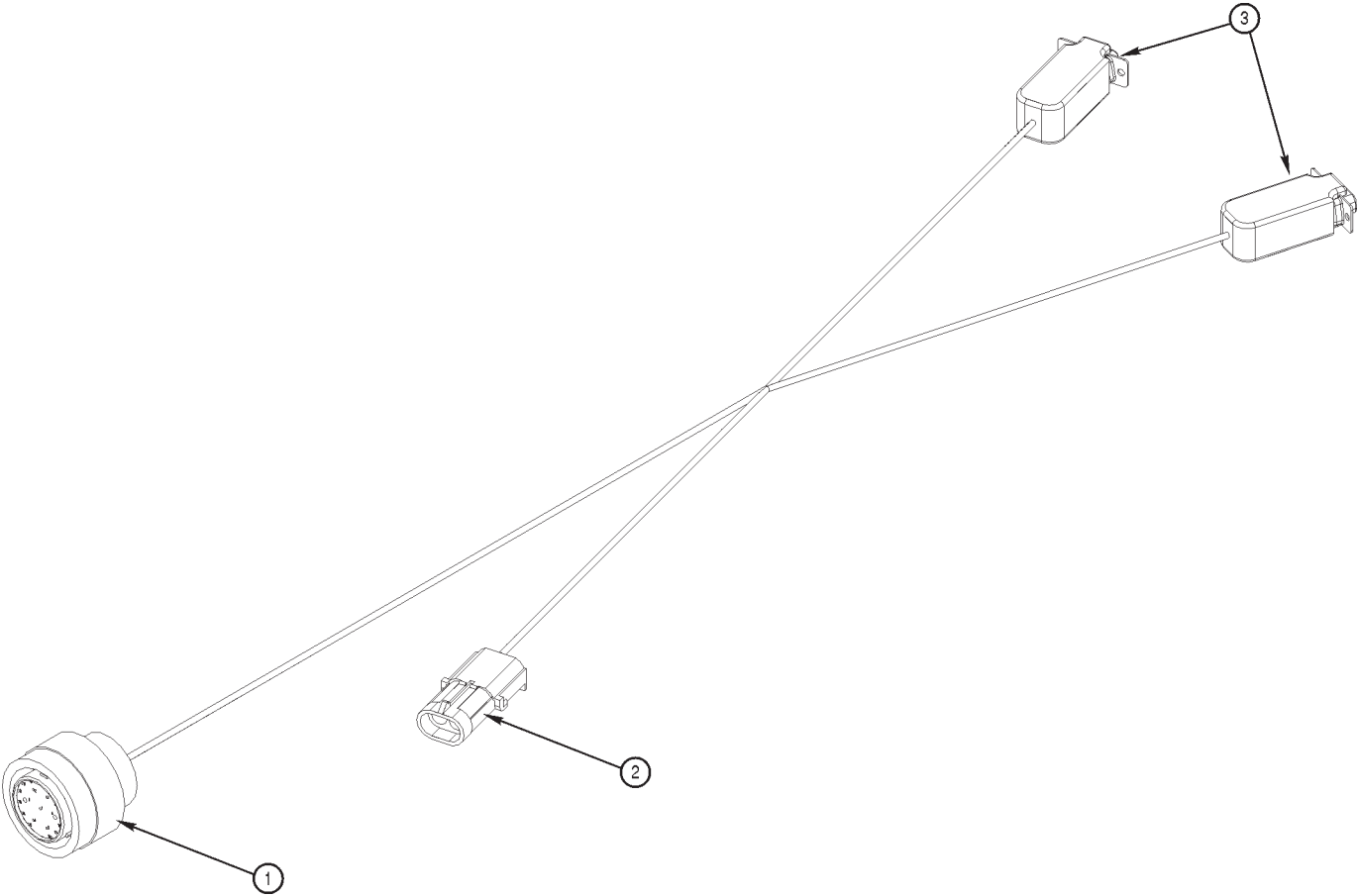


| Item | Part Number | Description                         | Comments            |
|------|-------------|-------------------------------------|---------------------|
| 1    | 760000030   | Connector, Deutsch HD36-18-20SN     | Connects to Cab     |
| 2    | 760000031   | Connector, Mini-Con-X 8 Pos         | Connects to Antenna |
|      |             |                                     |                     |
|      | 700000550   | Harness, Antenna to Cab Phoenix 200 | Complete Harness    |



# Phoenix 200 Antenna Interface Harness

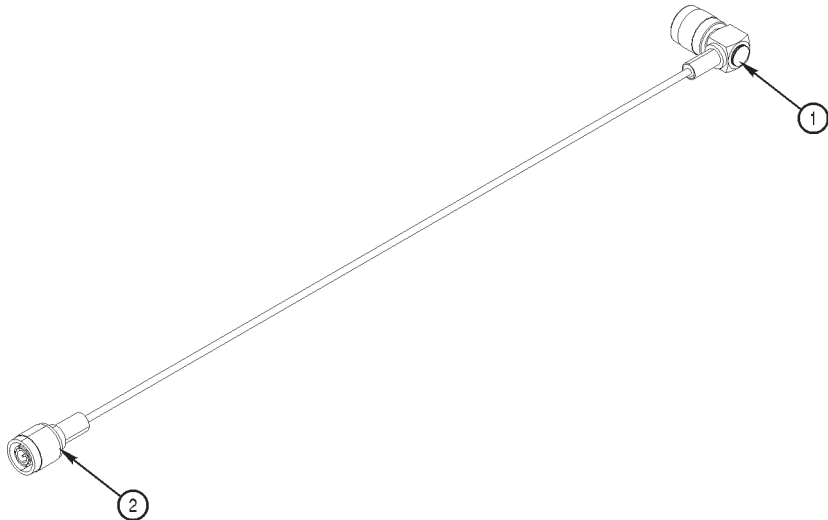
## All Equipped Models



| Item | Part Number | Description                            | Comments                      |
|------|-------------|----------------------------------------|-------------------------------|
| 1    | 760000030   | Connector, Deutsch HD36-18-20SN        | Connects to Antenna Upper Cab |
| 2    | 700000026   | Connector, Weatherpack 2 Pos           | Connects to Antenna Power     |
| 3    | 760000035   | Connector, 9-Pin Serial Receptacle     | Connects to Port A and Port B |
|      | 700000551   | Harness, Antenna Interface Phoenix 200 | Complete Harness              |

# Phoenix 300 Antenna to Cab Harness

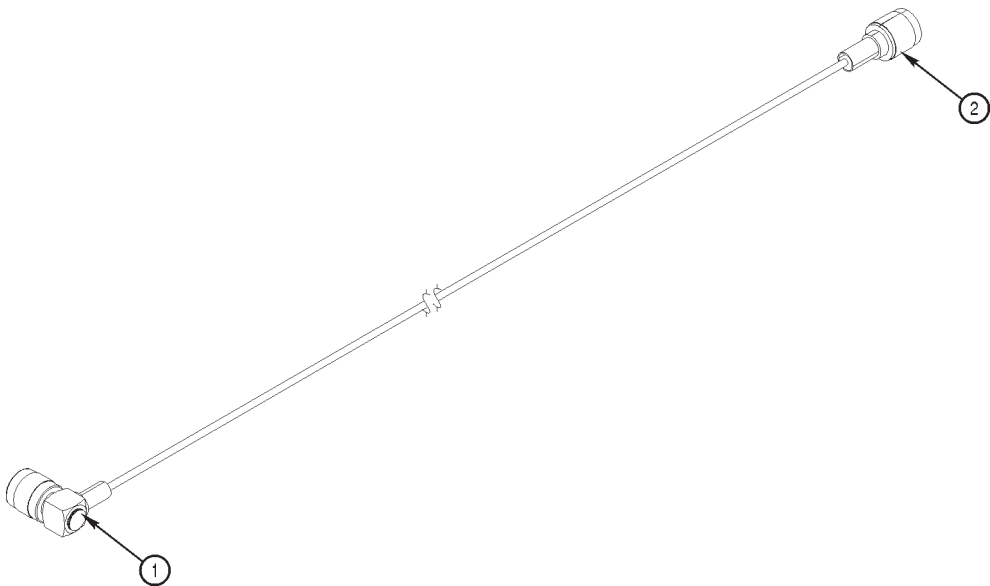
All Equipped Models



| Item | Part Number | Description                         | Comments             |
|------|-------------|-------------------------------------|----------------------|
| 1    | 760000033   | Connector, Coax TNC 90 Male Crimp   | Connects to Console  |
| 2    | 760000034   | Connector, Coax TNC Male Crimp      | Connects to Cab Post |
|      | 700000552   | Harness, Antenna to Cab Phoenix 300 | Complete Harness     |

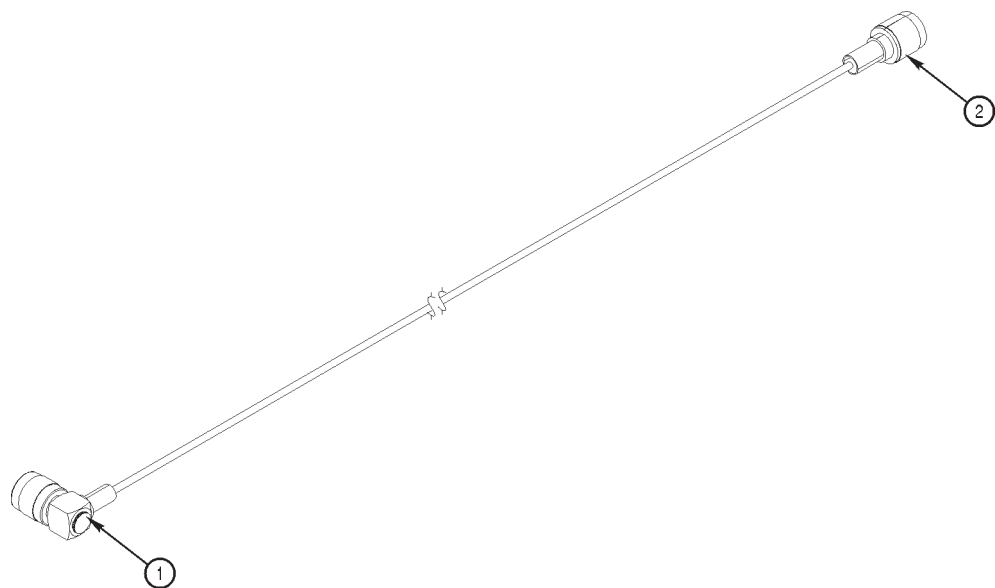
# Phoenix 300 Antenna Interface Harness

Viper Pro Equipped Models Only



| Item | Part Number | Description                            | Comments             |
|------|-------------|----------------------------------------|----------------------|
| 1    | 760000033   | Connector, Coax TNC 90 Male Crimp      | Connects to Console  |
| 2    | 760000034   | Connector, Coax TNC Male Crimp         | Connects to Cab Post |
|      | 700000553   | Harness, Antenna Interface Phoenix 300 | Complete Harness     |

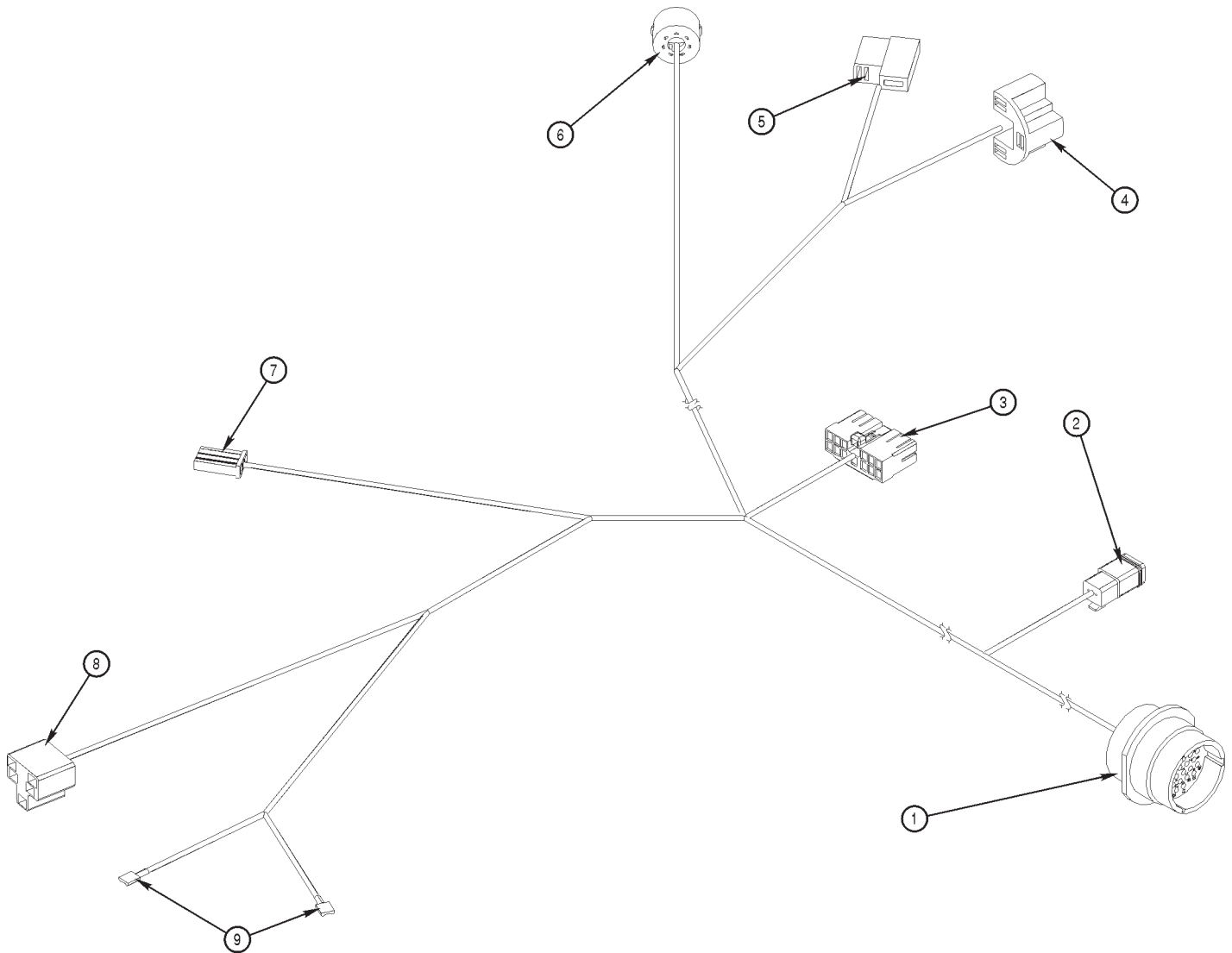
E-Pro II Antenna  
Interface Harness  
All Equipped Models



| Item | Part Number | Description                         | Comments            |
|------|-------------|-------------------------------------|---------------------|
| 1    | 760000038   | Connector,Coax BNC Male 90          | Connects to Console |
| 2    | 760000034   | Connector, Coax TNC male crimp      | Connects to Post    |
|      |             |                                     |                     |
|      | 700000568   | Harness, Antenna Interface E-Pro II | Complete Harness    |

# Steering Column Harness

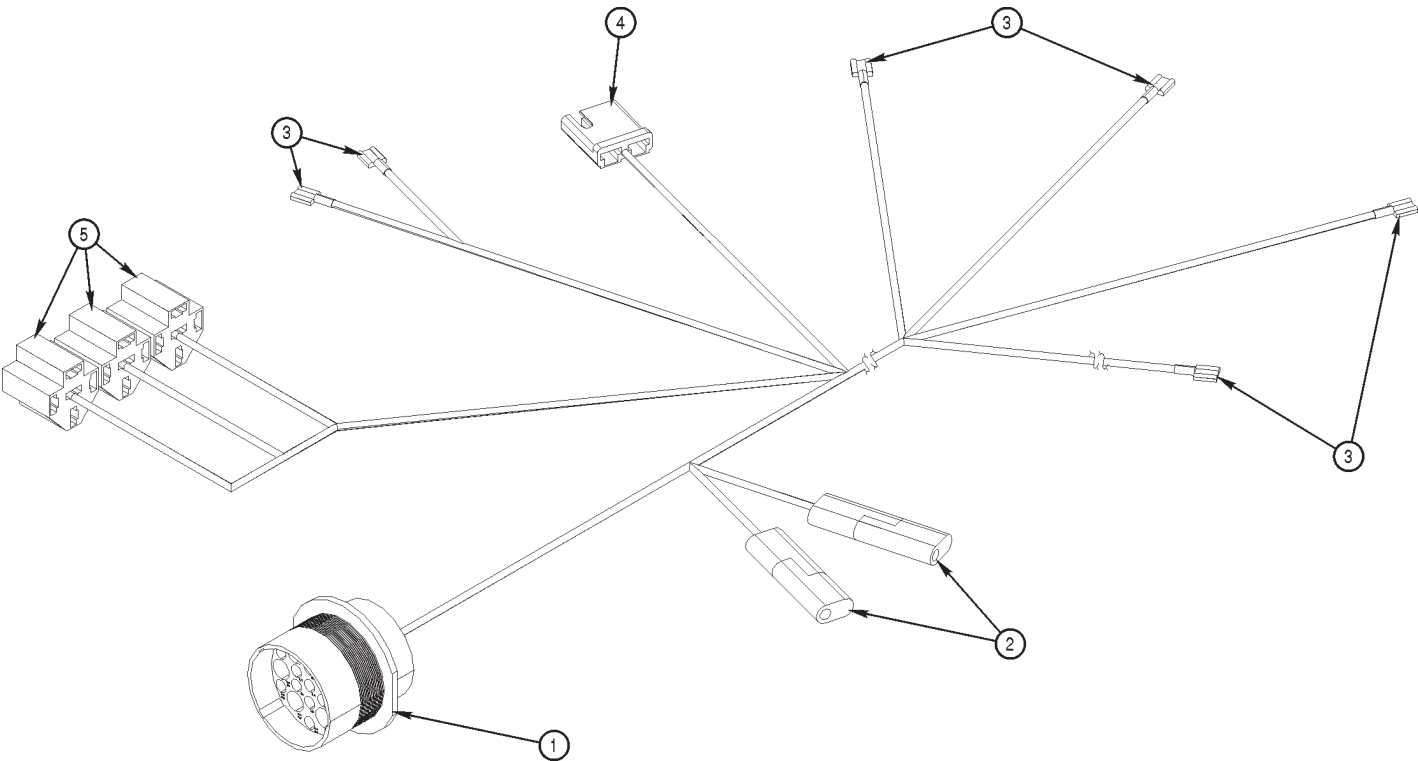
## All Models



| Item | Part Number     | Description                        | Comments                                      |
|------|-----------------|------------------------------------|-----------------------------------------------|
|      | 760000002       | Connector, Deutsch HDP24-24-31PT   | Connects to Cab Harness                       |
|      | 700000099       | Connector, Deutsch DT06-2S         | Connects to Differential Lock                 |
|      | 760000003       | Connector, AMP 13-Pin MIC 172498-1 | Connects to Turn Signal Switch                |
|      | 760000007       | Connector, Cobo 30.16.06571        | Connects to Ignition Switch                   |
|      | 760000008       | Connector, Cobo 30.16.06570        | Connects to Ignition Switch                   |
|      | 760000006       | Connector, AMA 7 Way 136104        | Connects to Hazard Switch                     |
|      | 760000005       | Connector, Molex 3-Pin 39-01-4036  | Connects to Temperature Control Potentiometer |
|      | 760000004       | Connector, Koch 5 Spade 754C3      | Connects to Fan Switch                        |
|      | 700000008       | Connector, 1/4" Female Spade       | Connects to A/C switch                        |
|      |                 |                                    |                                               |
|      | <b>70000532</b> | <b>Harness, Steering Column</b>    | <b>Complete Harness</b>                       |

# HVAC Harness

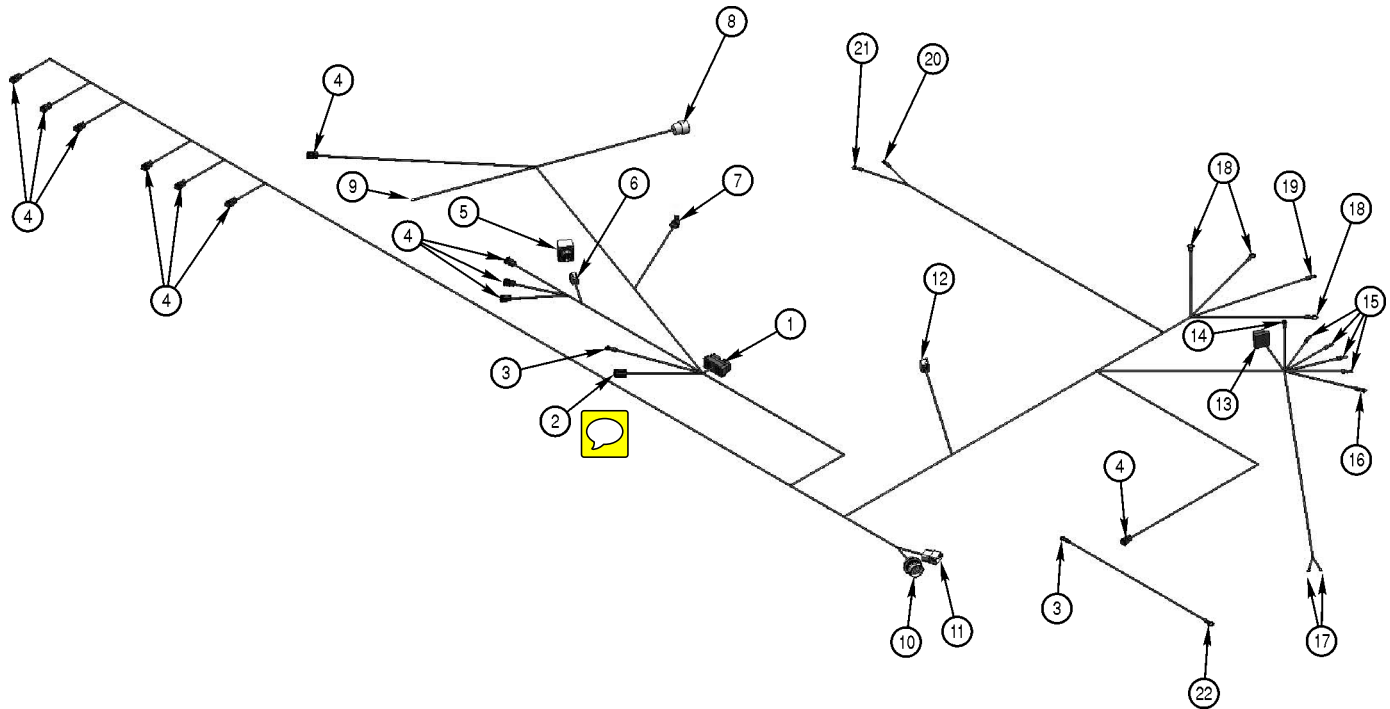
## All Models



| Item | Part Number | Description                      | Comments                                          |
|------|-------------|----------------------------------|---------------------------------------------------|
| 1    | 700000147   | Connector, Deutsch HDP24-24-19PN | Connects to Main Harness                          |
| 2    | 750000005   | Diode, 400V 6 Amp                | Medium / High Speed Signal Diode                  |
| 3    | 700000008   | Connector, 1/4" Female Spade     | Connects to Blower Speeds and Low Speed Rectifier |
| 4    | 760000032   | Connector, Delphi/Packard 2 Pos  | Connects to Thermostat                            |
| 5    | 700000092   | Connector, Relay Base 5-Way      | Connects to Blower Speeds                         |
|      |             |                                  |                                                   |
|      | 700000555   | Harness, HVAC                    | Complete Harness                                  |

# Cummins Engine Harness

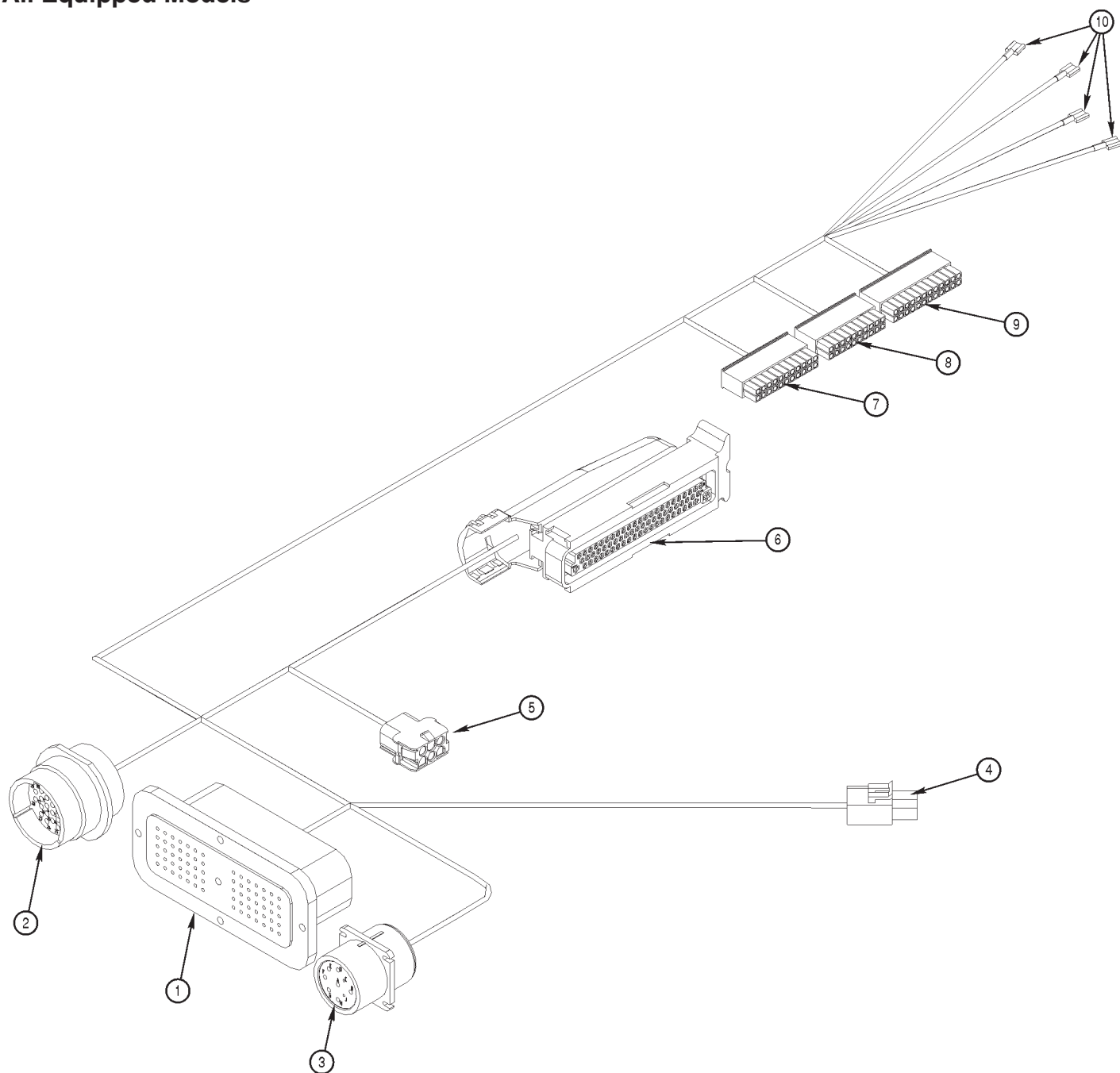
## All Models



| Item | Part Number      | Description                            | Comments                                                                              |
|------|------------------|----------------------------------------|---------------------------------------------------------------------------------------|
| 1    | 700000081        | Connector, Deutsch DRC26-50S04         | Connects to Engine ECU                                                                |
| 2    | 700000138        | Connector, Deutsch DTP06-4S            | Connects to ECU Power                                                                 |
| 3    | 770000004        | Ring Terminal, 5/16" 12-10 AWG         | Connects to ECU Ground, Alternator, Cold Start                                        |
| 4    | 700000099        | Connector, Deutsch DT06-2S             | Connects to Lights, Destroke Valve, Fan Reverse, Hydraulic Temp and Transmission Temp |
| 5    | 750000020        | Fan Control Module                     |                                                                                       |
| 6    | 700000007        | Connector, Deutsch DT06-6S             | Connects to Fan Control Module                                                        |
| 7    | 700000080        | Connector, Packard 15300027            | Connects to Coolant Level Sensor                                                      |
| 8    | 750000030        | Plug, Molded Trinary Switch            | Connects to Trinary Switch                                                            |
| 9    | 700060310        | Terminal 3/16" Bullet 16-14 AWG        | Connects to A/C Compressor                                                            |
| 10   | 700000063        | Connector, Deutsch HDP24-24-21PN       | Connects to Engine Harness                                                            |
| 11   | 700000057        | Connector, Deutsch DT04-12PA           | Connects to Accessory Harness                                                         |
| 12   | 760000011        | Connector, Carling 8 Pos VCH-01        | Connects to Fan Reverse Switch                                                        |
| 13   | 700000078        | Connector, Packard Relay 4-Pin         | Connects to Starter Relay                                                             |
| 14   | 770000003        | Ring Terminal 5/16" 6 AWG              | Connects to Cold Start Power                                                          |
| 15   | 700000060        | Connector, # 10 Ring Terminal          | Connects to Cold Start                                                                |
| 16   | 770000003        | Ring Terminal 5/16" 6 AWG              | Connects to Cold Start Power                                                          |
| 17   | 760000051        | Connector, 1/4" Female Spade 22-18 AWG | Connects to filter indicator                                                          |
| 18   | 770000007        | Ring Terminal 1/2" 4 AWG               | Connects to Alternator Ground and Charge, Engine Power                                |
| 19   | 700000058        | Ring Terminal, 1/4"                    | Connects to Alternator Ground, Starter Relay                                          |
| 20   | 770000008        | Ring Terminal,                         | Connects to Alternator Ground                                                         |
| 21   | 770000006        | Ring Terminal, 5/16" 4 AWG             | Connects to Alternator Charge                                                         |
| 22   | 700000059        | Connector, 1/2" Ring Terminal          | Connects to Block Ground                                                              |
|      | <b>700000567</b> | <b>Cummins Engine Harness</b>          | <b>Complete Harness</b>                                                               |

# ZF Console Harness

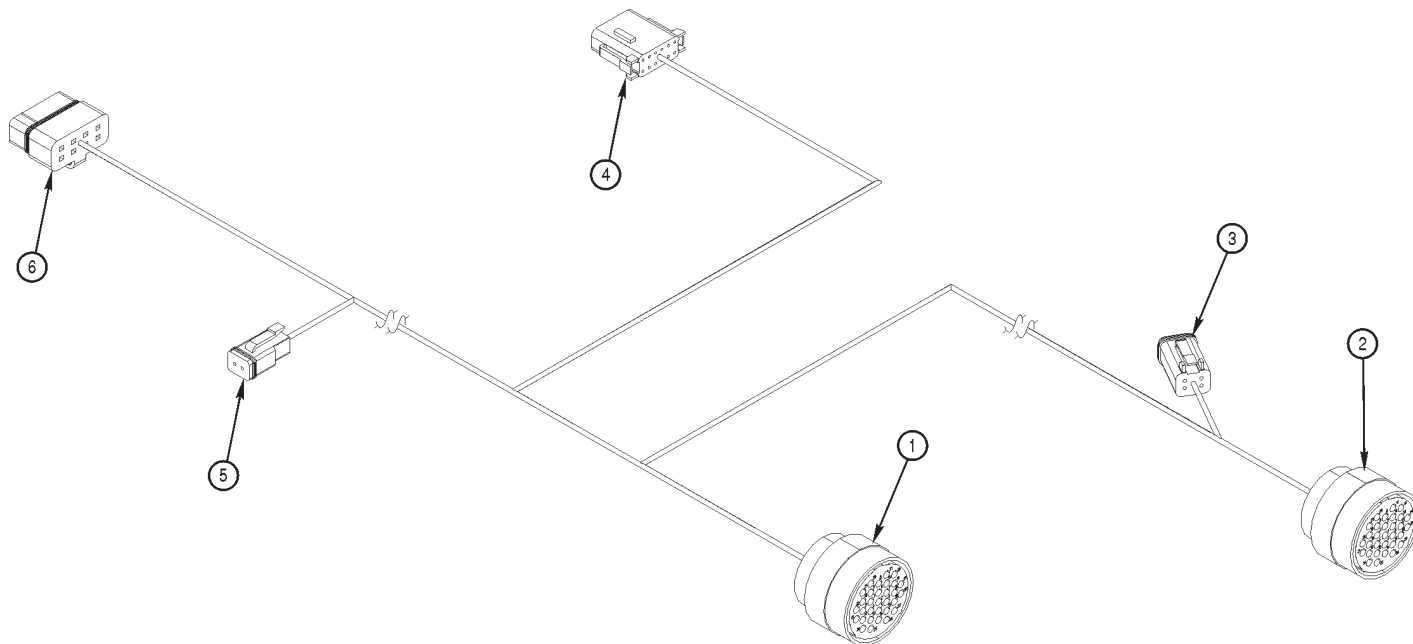
## All Equipped Models



| Item | Part Number      | Description                      | Comments                            |
|------|------------------|----------------------------------|-------------------------------------|
| 1    | 700000083        | Connector, Deutsch DRC12-70PA    | Connects to Cab Harness             |
| 2    | 760000002        | Connector, Deutsch HDP24-24-31PT | Connects to ZF Cab Harness          |
| 3    | 700000051        | Connector, PS760 Diagnostic      | Engine Diagnostic                   |
| 4    | 700000084        | Connector, Weatherpack 3 Pos     | Connects to Analog Throttle         |
| 5    | 760000020        | Connector, Amp MNL 6 Pos         | ZF Diagnostic                       |
| 6    | 760000019        | Connector, Amp Timer 68 Pos      | Connects to ZF TCU                  |
| 7    | 700000043        | Connector, Controller 22 Pin     | Connects to ECU Power               |
| 8    | 700000042        | Connector, Controller 20 Pin     | Connects to Boom Functions          |
| 9    | 700000044        | Connector, Controller 24 Pin     | Connects to Transmission            |
| 10   | 700000008        | Connector, 1/4" Female Spade     | Connects to Lighter and Power point |
|      | <b>700000541</b> | <b>Harness, ZF Console</b>       | <b>Complete Harness</b>             |

# ZF Cab Harness

## All Equipped Models

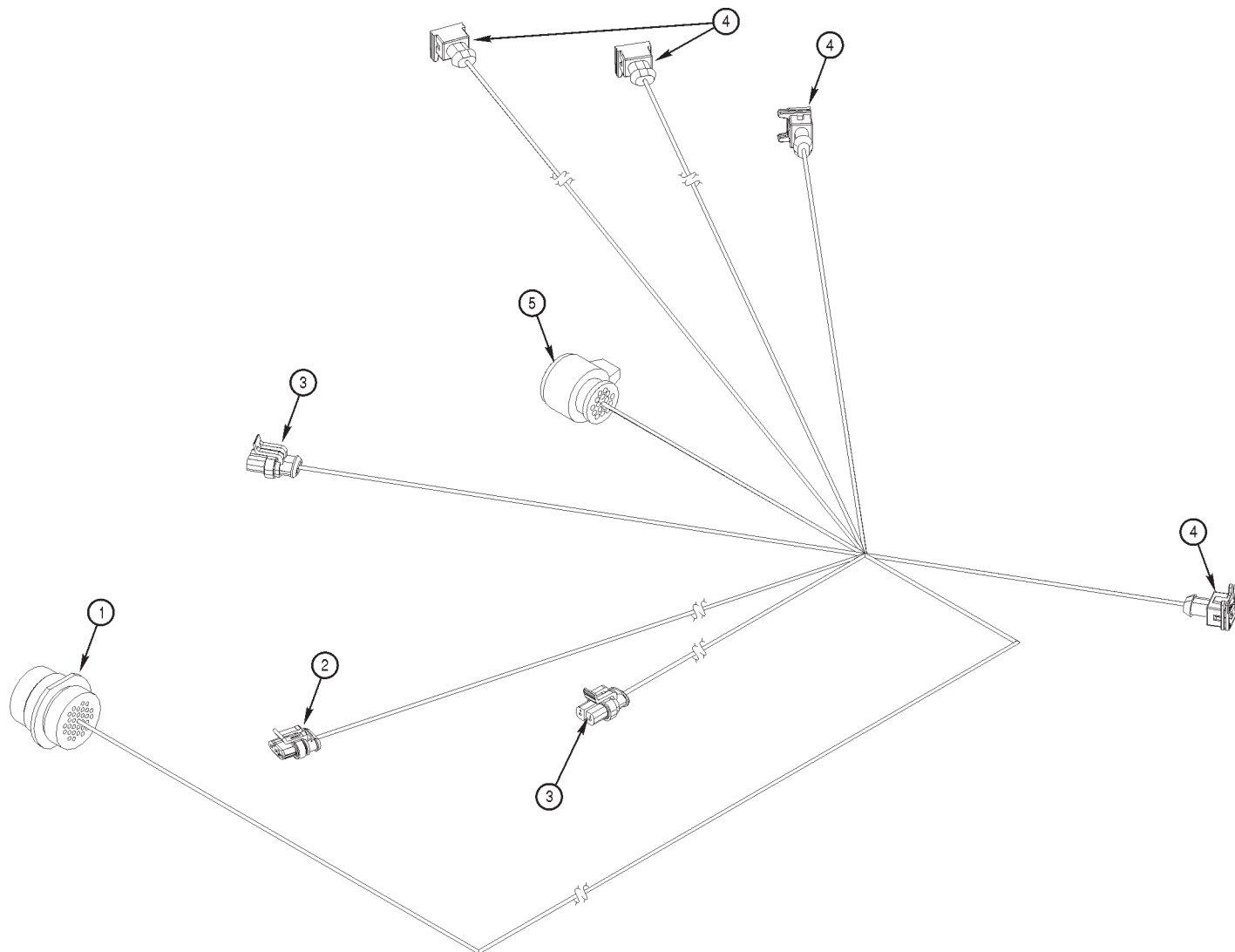


| Item | Part Number      | Description                      | Comments                   |
|------|------------------|----------------------------------|----------------------------|
| 1    | 700000206        | Connector, Deutsch HD36-24-31ST  | Connects to ZF Console     |
| 2    | 700000014        | Connector, Deutsch HDP26-24-31ST | Connects to Cab Floor      |
| 3    | 700000079        | Connector, Deutsch DT06-4S       | Connects to ZF Display     |
| 4    | 700000115        | Connector, Deutsch DTM06-12SA    | Connects to Converter      |
| 5    | 700000099        | Connector, Deutsch DT06-2S       | Connects to Ignition Trip  |
| 6    | 760000021        | Connector, Bussman 32006-E22     | Connects to Yellow Bussman |
|      | <b>700000542</b> | <b>Harness, ZF Cab</b>           | <b>Complete Harness</b>    |



# ZF Transmission Harness

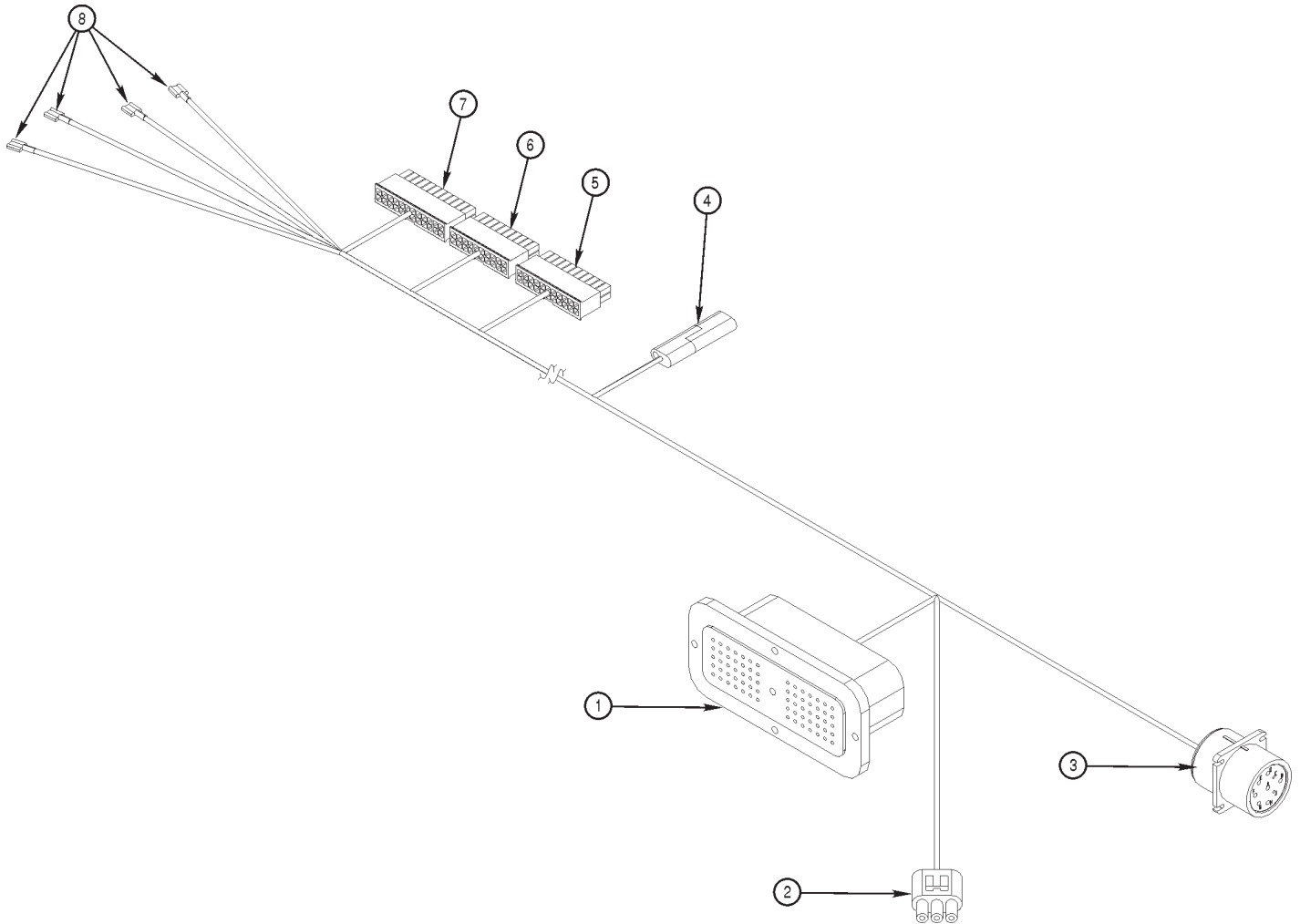
## All Equipped Models



| Item | Part Number      | Description                     | Comments                                                                             |
|------|------------------|---------------------------------|--------------------------------------------------------------------------------------|
| 1    | 700000207        | Connector, Deutsch HD34-24-31PT | Connects to ZF Cab                                                                   |
| 2    | 760000024        | Connector, Amp Superseal 3 Pos  | Connects to Output Speed                                                             |
| 3    | 760000023        | Connector, Amp Superseal 2 Pos  | Connects to Lockup Clutch and Filter Pressure                                        |
| 4    | 760000025        | Connector Mini-Timer 2 Pos      | Connects to Converter Temperature and Engine Speed, Turbine Speed and Internal Speed |
| 5    | 760000022        | Connector, Kostal 16 Pos        | Connects to ZF Manifold                                                              |
|      |                  |                                 |                                                                                      |
|      | <b>700000543</b> | <b>Harness, ZF Transmission</b> | <b>Complete Harness</b>                                                              |

# PS764 Console Harness

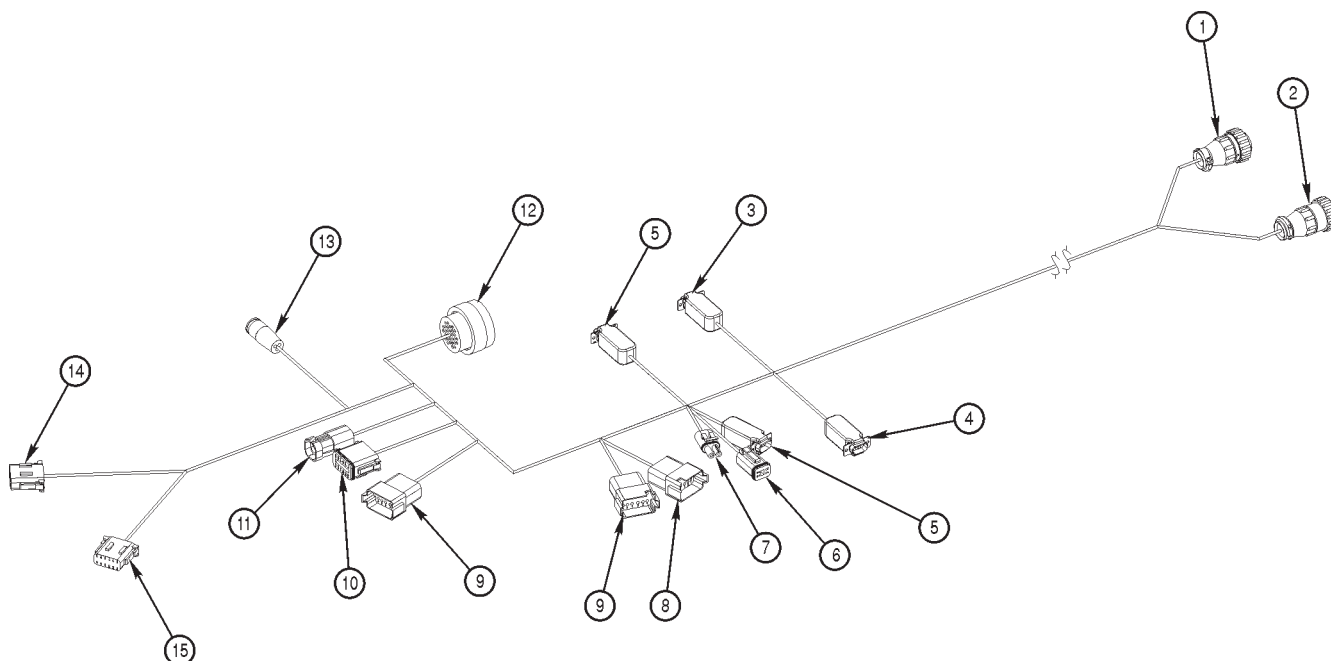
## AS720



| Item | Part Number      | Description                   | Comments                                                                |
|------|------------------|-------------------------------|-------------------------------------------------------------------------|
| 1    | 700000083        | Connector, Deutsch DRC12-70PA | Connects to Cab Harness                                                 |
| 2    | 700000084        | Connector, Weatherpack 3 Pos  | Connects to Analog Throttle                                             |
| 3    | 700000051        | Connector, PS760 Diagnostic   | Diagnostic Plug                                                         |
| 4    | 750000004        | Resistor 4.7K 1/4W            | Resistor between transmission speed power and transmission speed sense. |
| 5    | 700000043        | Connector, Controller 22-Pin  | Connects to ECU Power                                                   |
| 6    | 700000042        | Connector, Controller 20-Pin  | Connects to Boom Functions                                              |
| 7    | 700000044        | Connector, Controller 24-Pin  | Connects to Transmission                                                |
| 8    | 700000008        | Connector, 1/4" Female Spade  | Connects to Lighter and Power point                                     |
|      | <b>700000540</b> | <b>Harness, PS764 Console</b> | <b>Complete Harness</b>                                                 |

# Raven Cab Harness

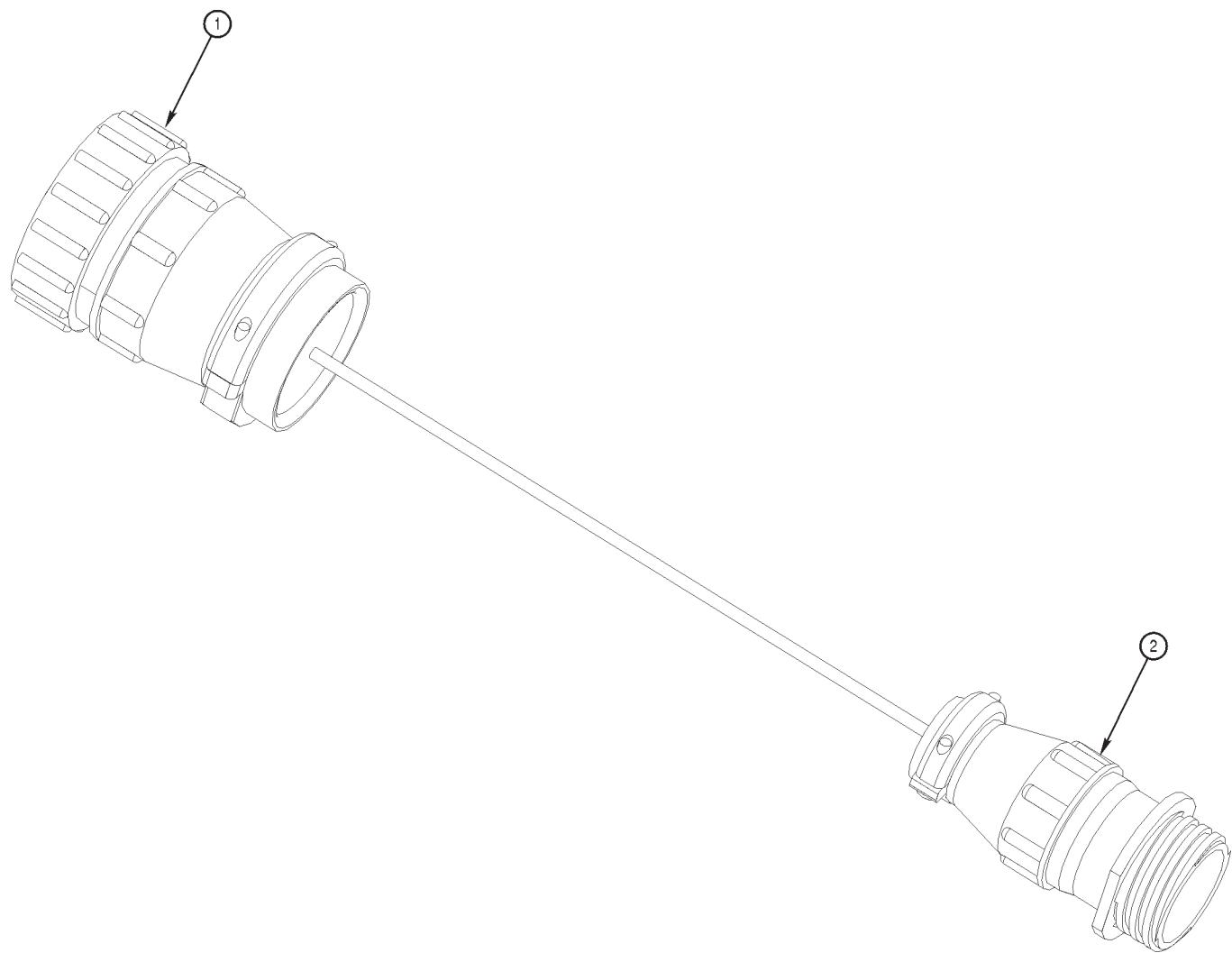
## All Models



| Item | Part Number | Description                           | Comments                       |
|------|-------------|---------------------------------------|--------------------------------|
| 1    | 700000117   | Connector, AMP 206037-1 16 Pin Plug   | Connects to Raven Console      |
| 2    | 700000133   | Connector, AMP 206044-1 14 Pin Socket | Connects to Raven Console      |
| 3    | 760000035   | Connector, 9 Pin Serial Receptacle    | Connects to DGPS Out           |
| 4    | 700000088   | Connector, 9 Pin Serial Receptacle    | Connects to Comm 2 Serial Port |
| 5    | 700000132   | Connector, 9 Pin Serial Plug          | Connects to Antenna/DGPS       |
| 6    | 700000079   | Connector, Deutsch DT06-4S            | Connects to Raven Can          |
| 7    | 700000005   | Connector, Weatherpack 2 Pos Tower    | Connects to Antenna Power      |
| 8    | 700000020   | Connector, Deutsch DT04-12PC-B016     | Connects to Switch box         |
| 9    | 700000156   | Connector Deutsch DT04-12PC-CE07      | Connects to Switch box         |
| 10   | 700000027   | Connector, Deutsch DT06-12SA          | Connects to Cab Harness        |
| 11   | 700000055   | Connector, Weatherpack 4 Pos SH SQ    | Connects to SmarTrax Power     |
| 12   | 760000041   | Connector, Deutsch HDP36-24-31SE      | Connects to Cab Floor          |
| 13   | 700000000   | Connector, Raven Radar                | Connects to Antenna Speed      |
| 14   | 700000116   | Connector, Deutsch DTM06-12SB         | Connects to Boom Node          |
| 15   | 700000115   | Connector, Deutsch DTM06-12SA         | Connects to Boom Node          |
|      |             |                                       |                                |
|      | 700000565   | Harness, Raven Cab                    | Complete Harness               |

5000 Adapter Harness

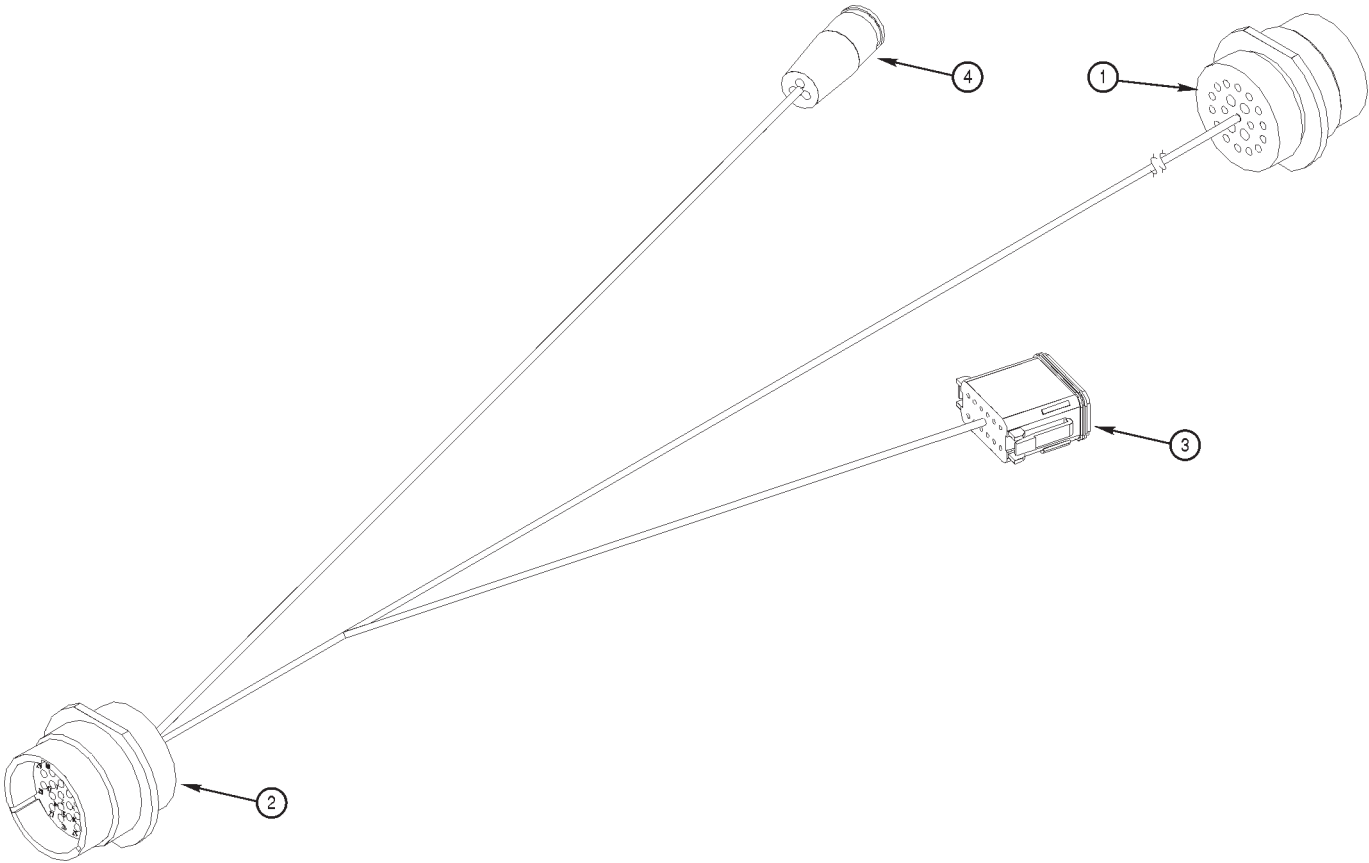
All Equipped Models



| Item | Part Number | Description                               | Comments             |
|------|-------------|-------------------------------------------|----------------------|
| 1    | 700000023   | Connector, Amp 37 Pin Plug                | Connects to Console  |
| 2    | 760000044   | Connector, AMP 206036-3 16 Pin Receptacle | Connects to Cab Main |
|      |             |                                           |                      |
|      | 700000566   | Harness, 5000 Adapter                     | Complete Harness     |

# Raven Frame Harness

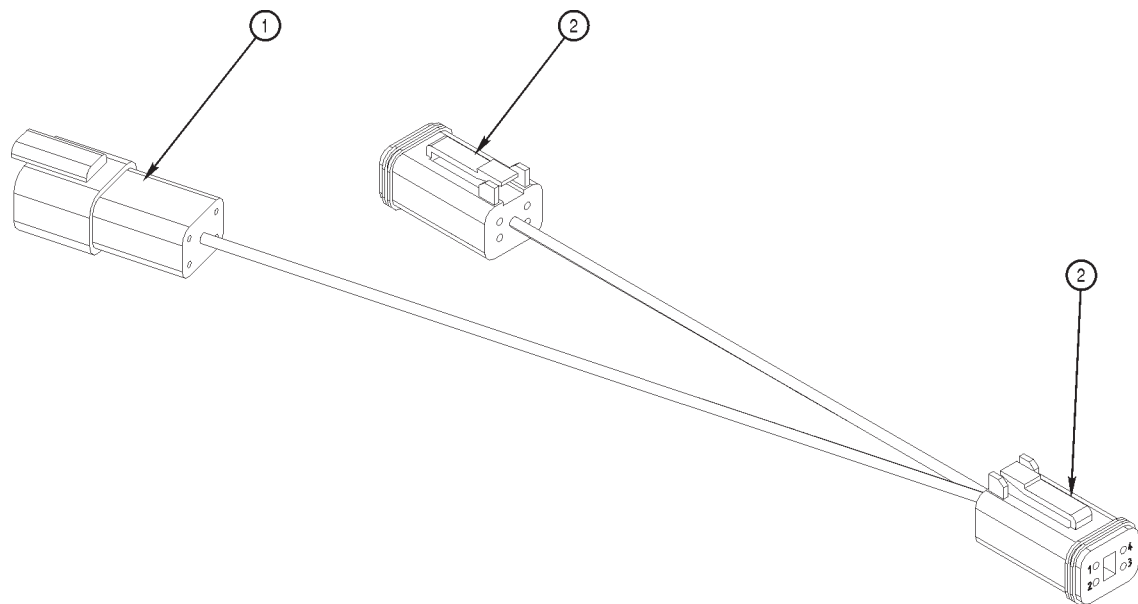
## All Models



| Item | Part Number | Description                      | Comments                    |
|------|-------------|----------------------------------|-----------------------------|
| 1    | 700000114   | Connector, Deutsch HD34-24-21PN  | Connects to Cab Floor       |
| 2    | 760000026   | Connector, Deutsch HDP24-24-31PE | Connects to Boom Connection |
| 3    | 760000027   | Connector, Deutsch DT06-12SB     | Connects to SmarTrax        |
| 4    | 700000000   | Connector, Raven Radar           | Connects to Radar           |
|      | 700000547   | Harness, Raven Frame             | Complete Harness            |

# CAN Tee Option Harness

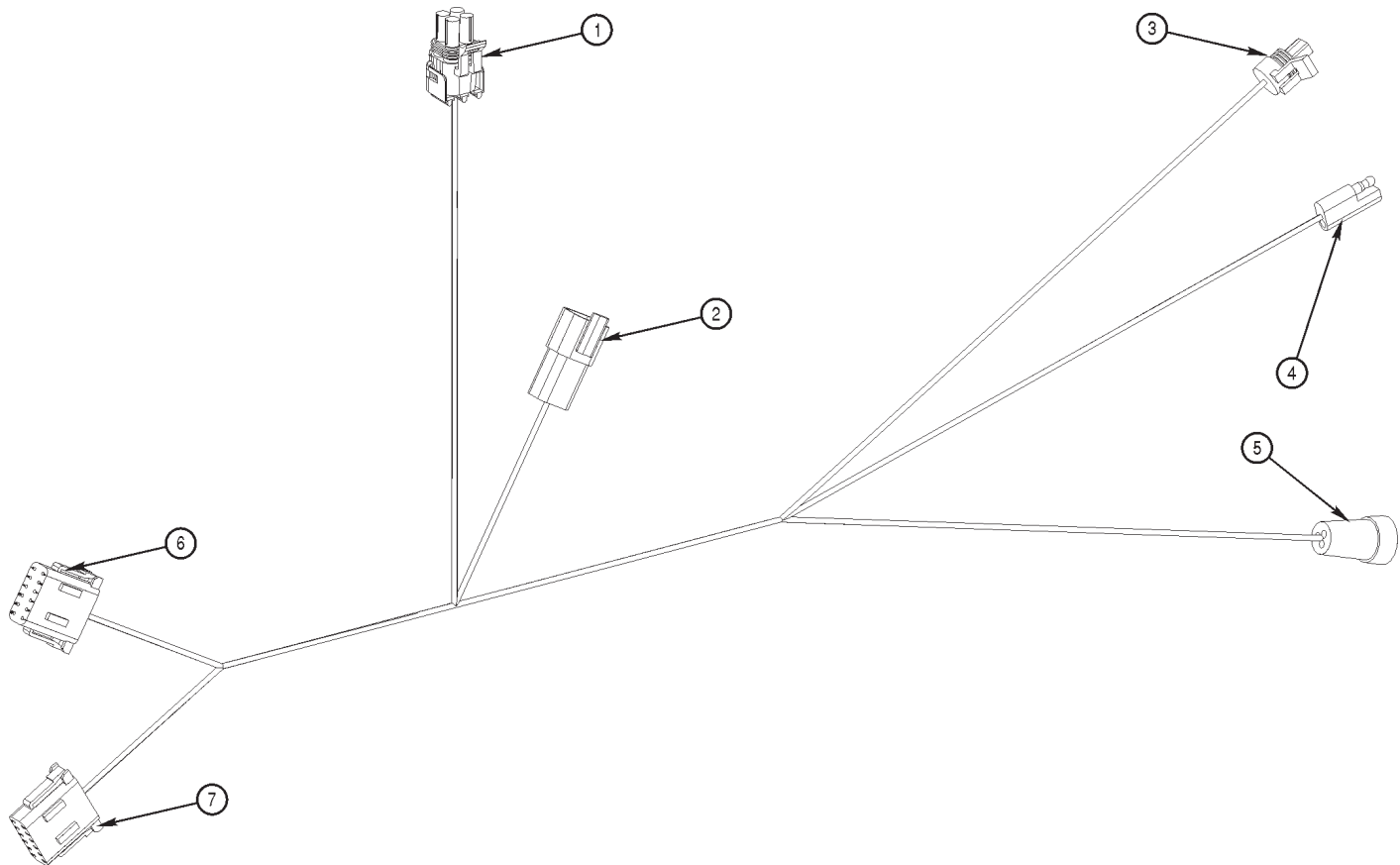
## All Models



| Item | Part Number | Description                         | Comments         |
|------|-------------|-------------------------------------|------------------|
| 1    | 700000085   | Connector, Deutsch 4-Way Receptacle | CAN Signal In    |
| 2    | 700000079   | Connector, Deutsch DT06-4S          | CAN Signal Out   |
|      | 740000047   | Terminator, CAN                     | Not shown        |
|      | 700000517   | Harness, CAN Tee Option             | Complete Harness |

# CAN Control Node Harness

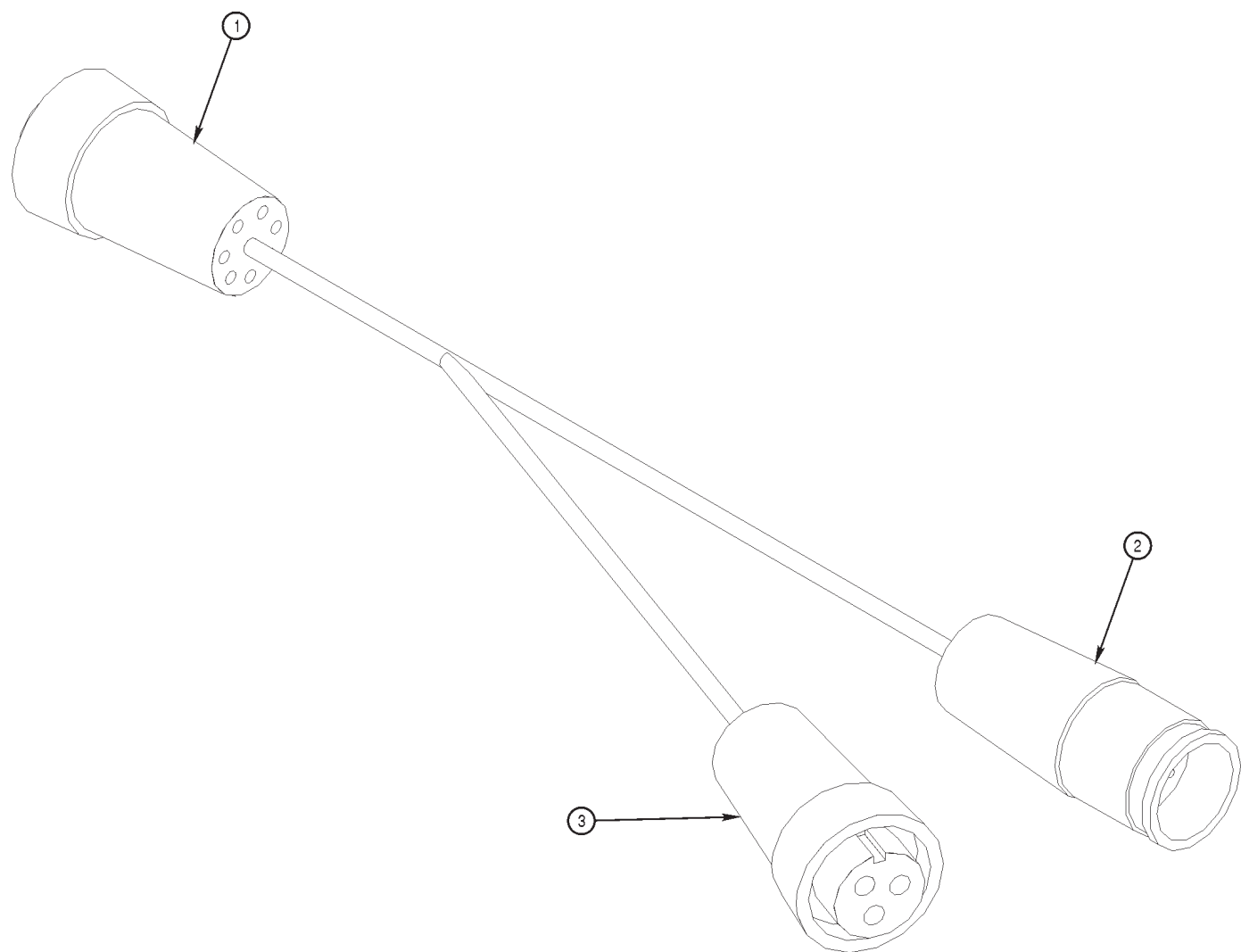
## All Models



| Item | Part Number      | Description                         | Comments                    |
|------|------------------|-------------------------------------|-----------------------------|
| 1    | 700000068        | Connector, Weatherpack 4 Pos TW SQ  | Connects to Power           |
| 2    | 700000085        | Connector, Deutsch 4 Way Receptacle | Connects to Can Connection  |
| 3    | 700000136        | Connector, Metri-Pack 3 Pos TO      | Connects to Pressure Sensor |
| 4    | 700000035        | Connector, Raven Control Valve      | Connects to Control Valve   |
| 5    | 700000034        | Connector, Raven Flow Meter         | Connects to flow Meter      |
| 6    | 700000115        | Connector, Deutsch DTM06-12SA       | Connects to Product Node 2  |
| 7    | 700000116        | Connector, Deutsch DTM06-12SB       | Connects to Product Node 1  |
|      | <b>700000497</b> | <b>Harness, Can Control Node</b>    | <b>Complete Harness</b>     |

Invicta Speed Adapter

All Equipped Models

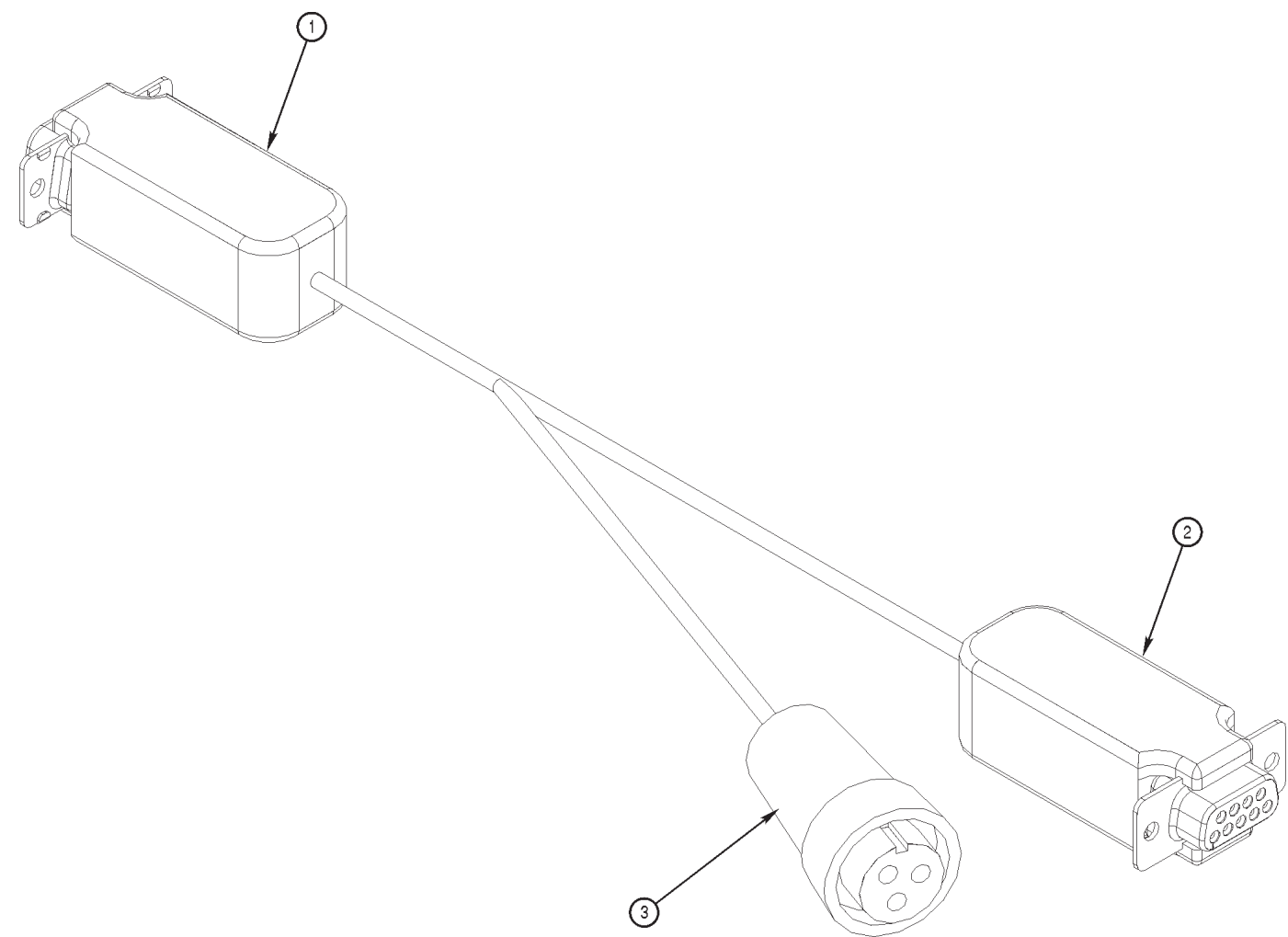


| Item | Part Number | Description                        | Comments                |
|------|-------------|------------------------------------|-------------------------|
| 1    | 760000039   | Connector, Mini-Con-x 7 Pos Male   | Connects to Antenna In  |
| 2    | 760000040   | Connector, Mini-Con-x 7 Pos Female | Connects to Antenna Out |
| 3    | 700000152   | Connector, Radar Raven             | Connects to Radar       |
|      | 700000559   | Adapter, Invicta Speed             | Complete Harness        |



# GPS Speed Adapter

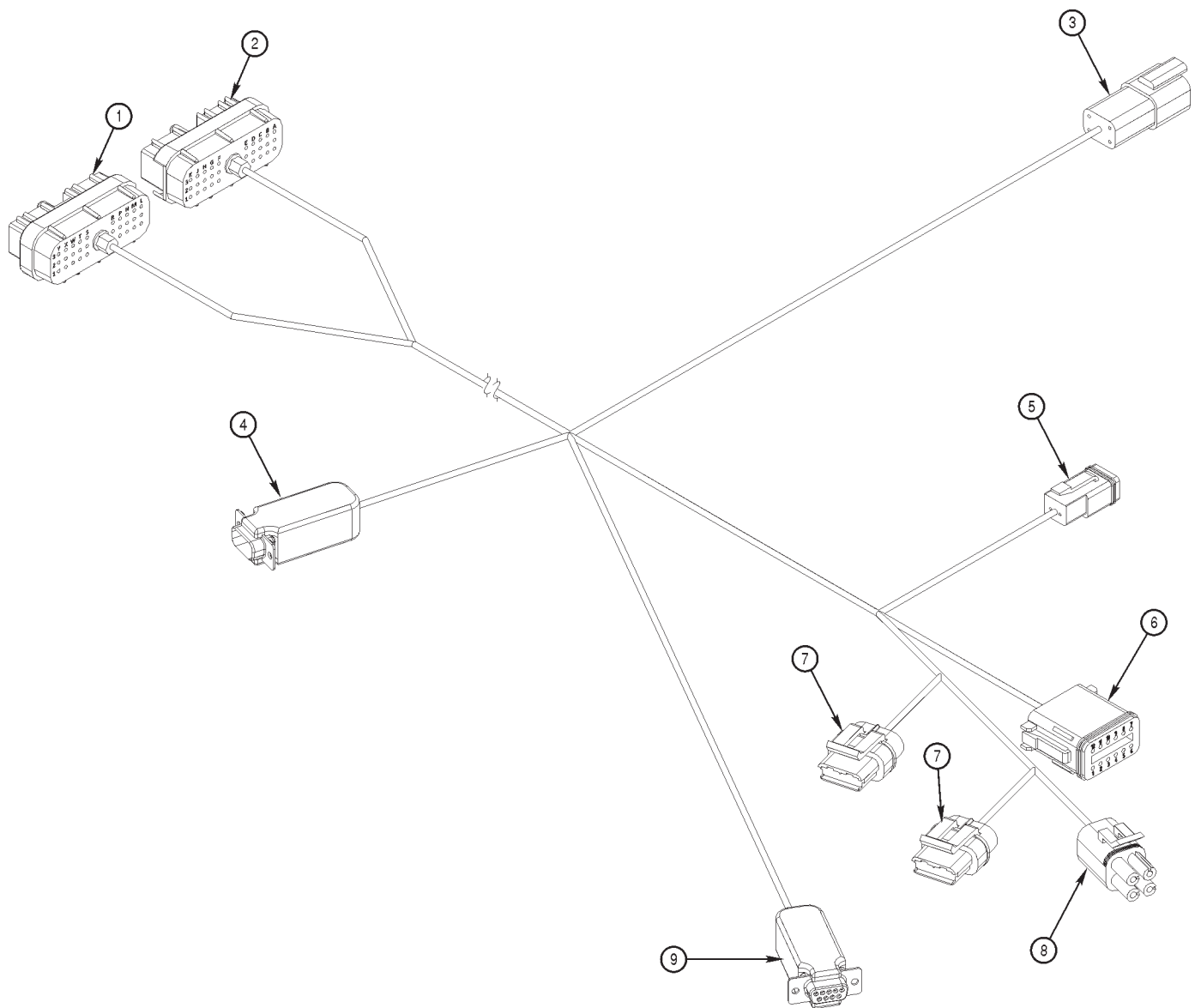
## All Equipped Models



| Item | Part Number | Description                        | Comments                |
|------|-------------|------------------------------------|-------------------------|
| 1    | 700000132   | Connector, 9 Pin Serial Plug       | Connects to Antenna In  |
| 2    | 760000035   | Connector, 9 Pin Serial Receptacle | Connects to Antenna Out |
| 3    | 700000152   | Connector, Radar                   | Connects to Radar       |
|      |             |                                    |                         |
|      | 700000558   | Adapter, GPS Speed                 | Complete Harness        |

# SmarTrax Cab Harness

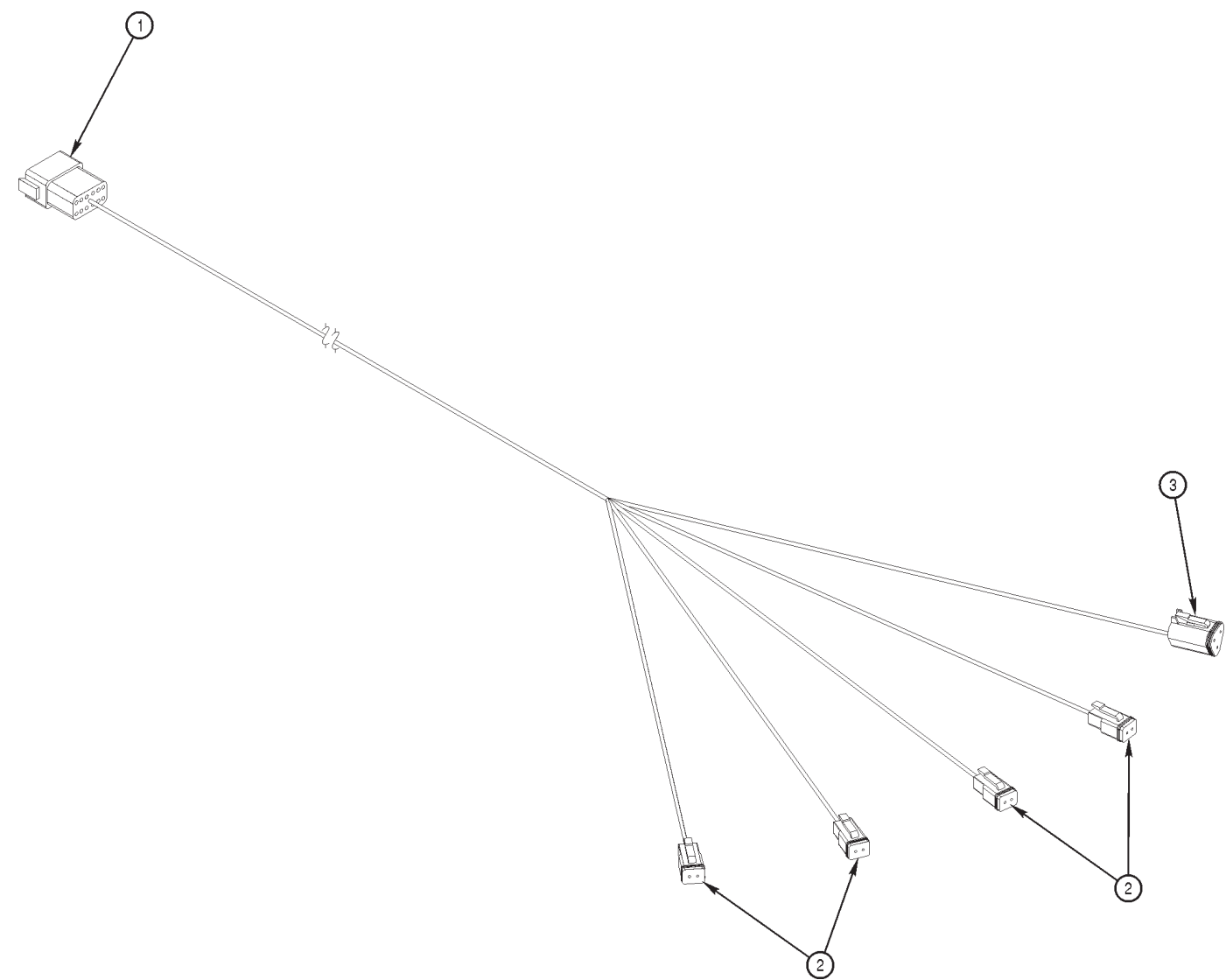
## All Equipped Models



| Item | Part Number      | Description                        | Comments                   |
|------|------------------|------------------------------------|----------------------------|
| 1    | 760000001        | Connector, Metri-Pack 30 Pin B     | SmarTrax Node #2           |
| 2    | 760000000        | Connector, Metri-Pack 30 Pin A     | SmarTrax Node #1           |
| 3    | 700000139        | Connector, Deutsch DTP04-4P        | Can Connection             |
| 4    | 700000132        | Connector, 9 Pin Serial Plug       | DGPS                       |
| 5    | 700000099        | Connector, Deutsch DT06-2S         | Foot Switch                |
| 6    | 760000027        | Connector, Deutsch DT06-12SB       | Raven Cab Harness          |
| 7    | 700000080        | Connector, Packard 15300027        | Low and High Current Power |
| 8    | 700000068        | Connector, Weatherpack 4 Pos TW SQ | Power                      |
| 9    | 760000035        | Connector 9 Pin Serial Receptacle  | DGPS out                   |
|      | <b>700000561</b> | <b>Harness, SmarTrax Cab</b>       | <b>Complete Harness</b>    |

# SmarTrax Valve Harness

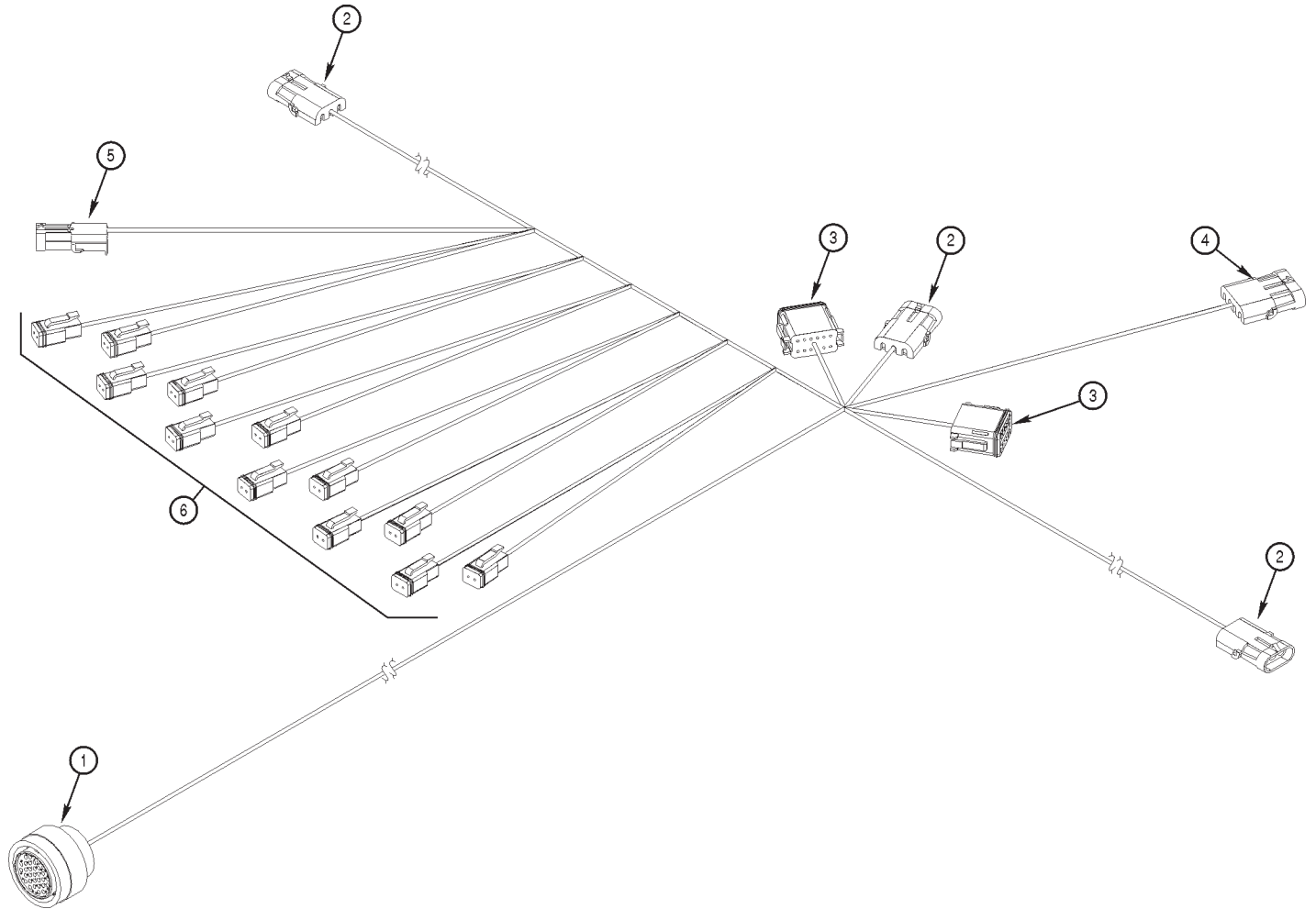
## All Equipped Models



| Item | Part Number | Description                  | Comments                               |
|------|-------------|------------------------------|----------------------------------------|
| 1    | 700100159   | Connector, Deutsch DT04-12PB | Raven Frame Harness                    |
| 2    | 700000099   | Connector, Deutsch DT06-2S   | Left Inner, Right outer,Port 1A and 1B |
| 3    | 700000143   | Connector, Deutsch DT06-3S   | PSI                                    |
|      |             |                              |                                        |
|      | 700000562   | Harness, SmarTrax Valve      | Complete Harness                       |

# Boom Harness

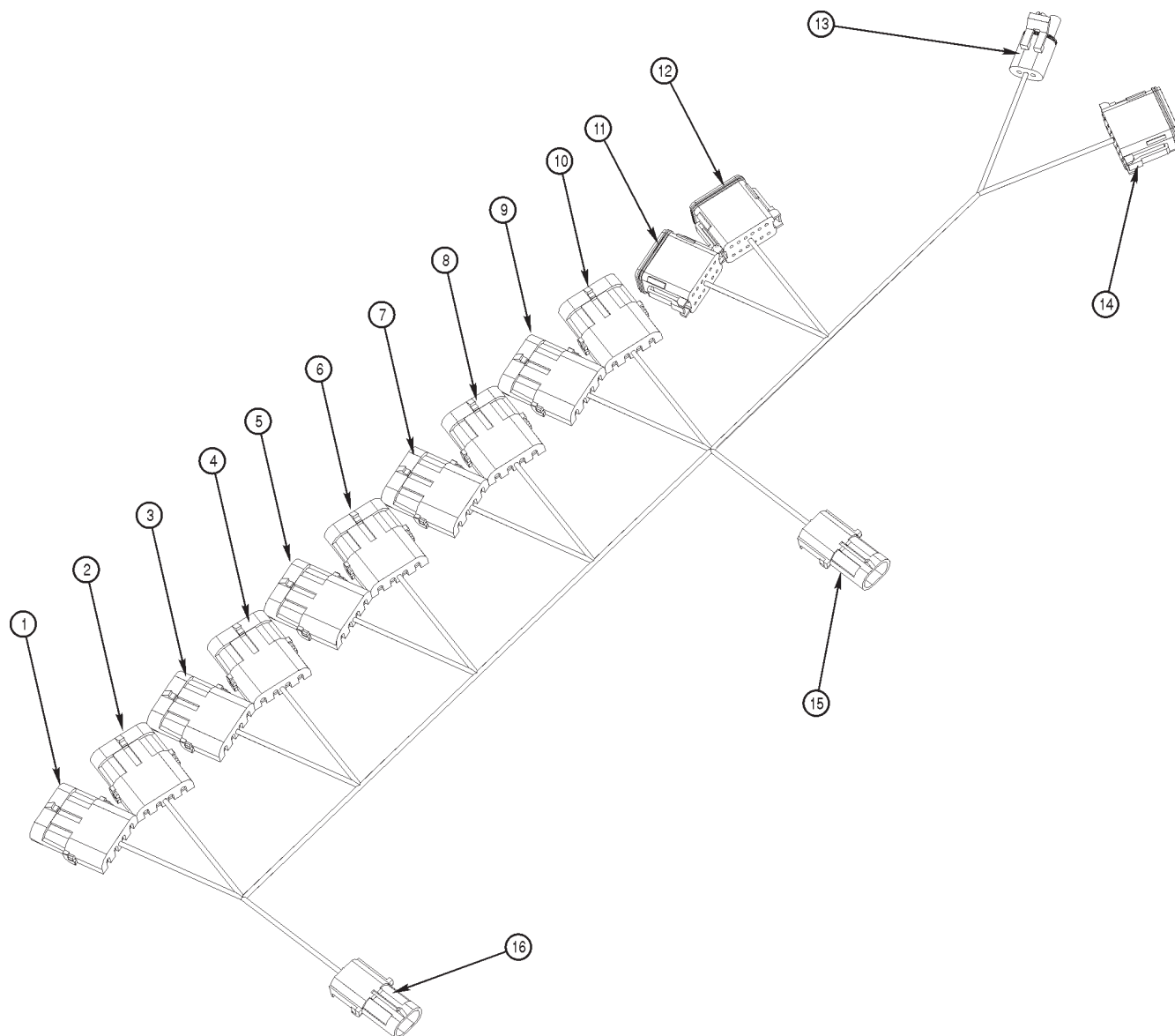
## All Models



| Item | Part Number      | Description                     | Comments                                |
|------|------------------|---------------------------------|-----------------------------------------|
| 1    | 700000206        | Connector, Deutsch HD36-24-31ST | Connects to Main Harness                |
| 2    | 700000031        | Connector, Weatherpack 3 Pos    | Connects to Foamer, Left and Right Turn |
| 3    | 700000027        | Connector, Deutsch DT06-12SA    | Ground Junction 1 and 2                 |
| 4    | 700000054        | Connector, Weatherpack 4 Pos    | Connects to Flowback                    |
| 5    | 700000026        | Connector, Weatherpack 2 Pos    | Connects to Boom Valve Power            |
| 6    | 700000099        | Connector, Deutsch DT06-2S      | Boom IN and OUT Functions               |
|      | <b>700000544</b> | <b>Harness, Boom</b>            | <b>Complete Harness</b>                 |

# Boom Section Harness

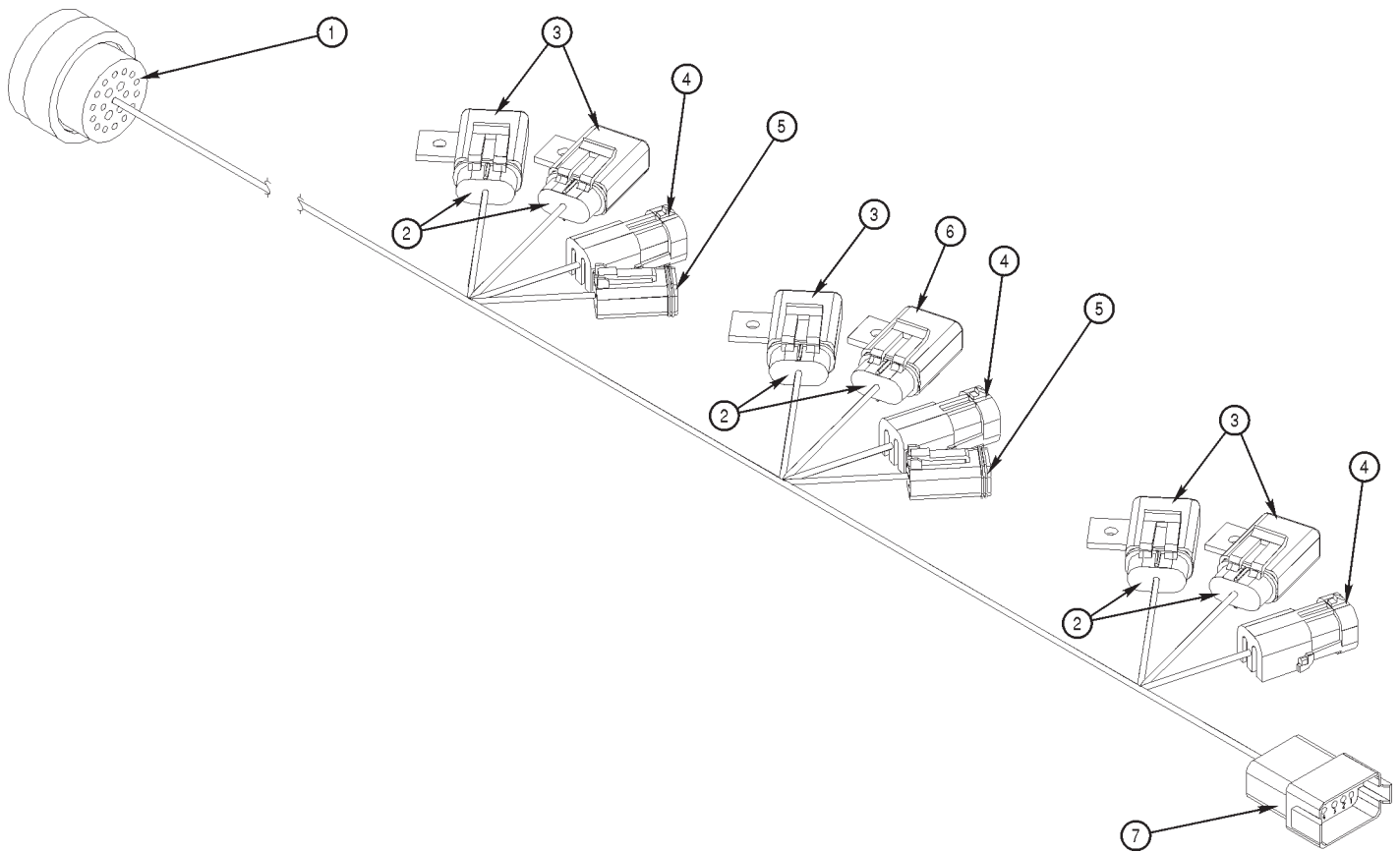
## All Models



| Item | Part Number      | Description                         | Comments                    |
|------|------------------|-------------------------------------|-----------------------------|
| 1    | 700000054        | Connector, Weatherpack 4 Pos Shroud | Connects to Boom Section 1  |
| 2    | 700000054        | Connector, Weatherpack 4 Pos Shroud | Connects to Boom Section 2  |
| 3    | 700000054        | Connector, Weatherpack 4 Pos Shroud | Connects to Boom Section 3  |
| 4    | 700000054        | Connector, Weatherpack 4 Pos Shroud | Connects to Boom Section 4  |
| 5    | 700000054        | Connector, Weatherpack 4 Pos Shroud | Connects to Boom Section 5  |
| 6    | 700000054        | Connector, Weatherpack 4 Pos Shroud | Connects to Boom Section 6  |
| 7    | 700000054        | Connector, Weatherpack 4 Pos Shroud | Connects to Boom Section 7  |
| 8    | 700000054        | Connector, Weatherpack 4 Pos Shroud | Connects to Boom Section 8  |
| 9    | 700000054        | Connector, Weatherpack 4 Pos Shroud | Connects to Boom Section 9  |
| 10   | 700000054        | Connector, Weatherpack 4 Pos Shroud | Connects to Boom Section 10 |
| 11   | 700000027        | Connector, Deutsch DT06-12SA        | Connects to Power Junction  |
| 12   | 700000027        | Connector, Deutsch DT06-12SA        | Connects to Ground Junction |
| 13   | 700000005        | Connector, Weatherpack 2 Pos Tower  | Connects to Power/Ground    |
| 14   | 700000027        | Connector, Deutsch DT06-12SA        | Connects to Boom Logic      |
| 15   | 700000026        | Connector, Weatherpack 2 Pos Shroud | Connects to Right Fence Row |
| 16   | 700000026        | Connector, Weatherpack 2 Pos Shroud | Connects to Left Fence Row  |
|      | <b>700000528</b> | <b>Harness, Boom Section</b>        | <b>Complete Harness</b>     |

# Raven Control Boom Harness

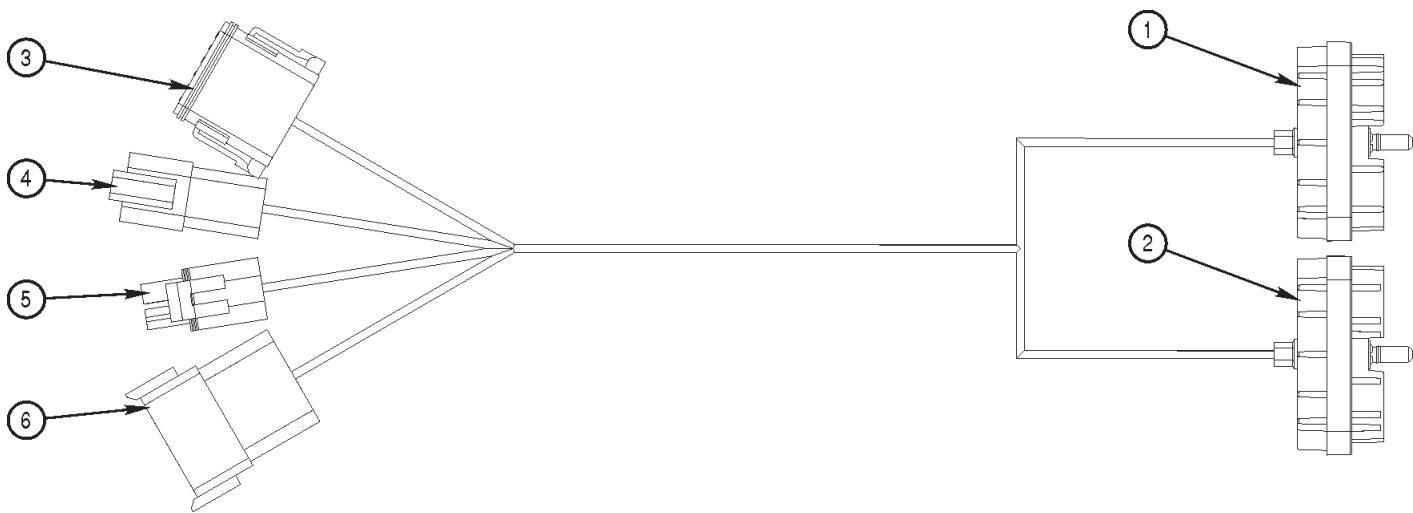
## All Models



| Item | Part Number      | Description                        | Comments                                         |
|------|------------------|------------------------------------|--------------------------------------------------|
| 1    | 700000149        | Connector, Deutsch                 | Connects to Raven Frame Harness                  |
| 2    | 700000154        | Connector, Fuse Holder             | AutoBoom/AccuBoom Control Logic and High Current |
| 3    | 700000113        | Cap, In-line fuse                  | AutoBoom/AccuBoom Control Logic and High Current |
| 4    | 700000055        | Connector, Weatherpack 4 Pos SH SQ | Connects to AccuBoom Power                       |
| 5    | 700000079        | Connector, Deutsch DT06-4S         | Connects to CAN 1 and 2                          |
| 6    | 700000065        | Connector, Fuse Holder Cummins     | Connects to AutoBoom High Current                |
| 7    | 700000057        | Connector, Deutsch DT04-12PA       | Connects to Boom Logic                           |
|      | <b>700000487</b> | <b>Harness, Raven Control Boom</b> | <b>Complete Harness</b>                          |

# AccuBoom Harness

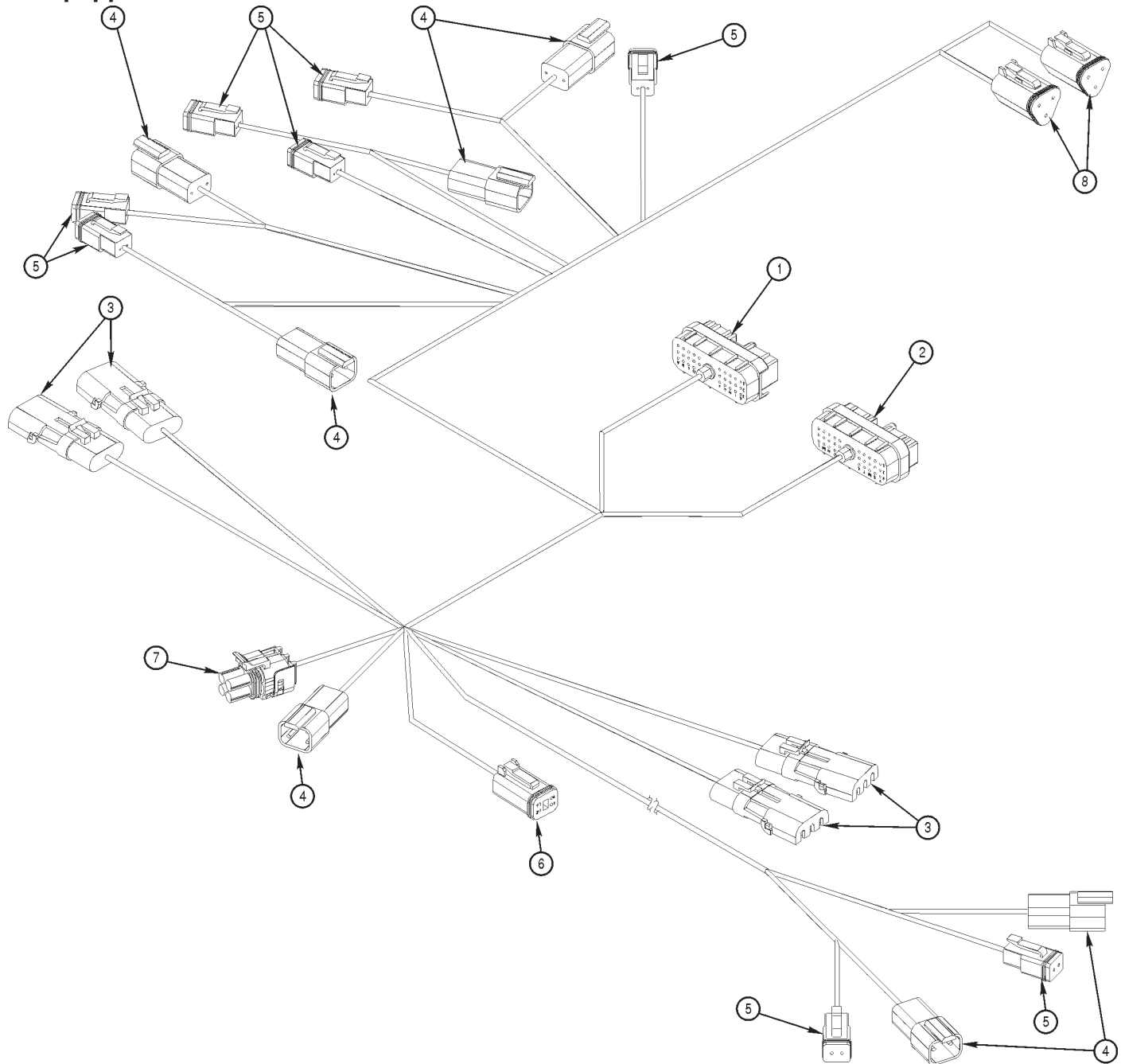
## All Equipped Models



| Item | Part Number | Description                         | Comments                    |
|------|-------------|-------------------------------------|-----------------------------|
| 1    | 760000000   | Connector, Metri-Pack 30 Pin A      | Connects to AccuBoom Node   |
| 2    | 760000001   | Connector, Metri-Pack 30 Pin B      | Connects to AccuBoom Node   |
| 3    | 700000027   | Connector, Deutsch DT06-12SA        | Connects to Control Harness |
| 4    | 700000085   | Connector, Deutsch 4-Way Receptacle | Connects to CAN Connection  |
| 5    | 700000068   | Connector, Weatherpack 4 Pos TW SQ  | Connects Power              |
| 6    | 700000057   | Connector, Deutsch DT04-12PA        | Connects to Boom Harness    |
|      |             |                                     |                             |
|      | 700000491   | Harness, AccuBoom                   | Complete Harness            |

# AutoBoom Harness

## All Equipped Models

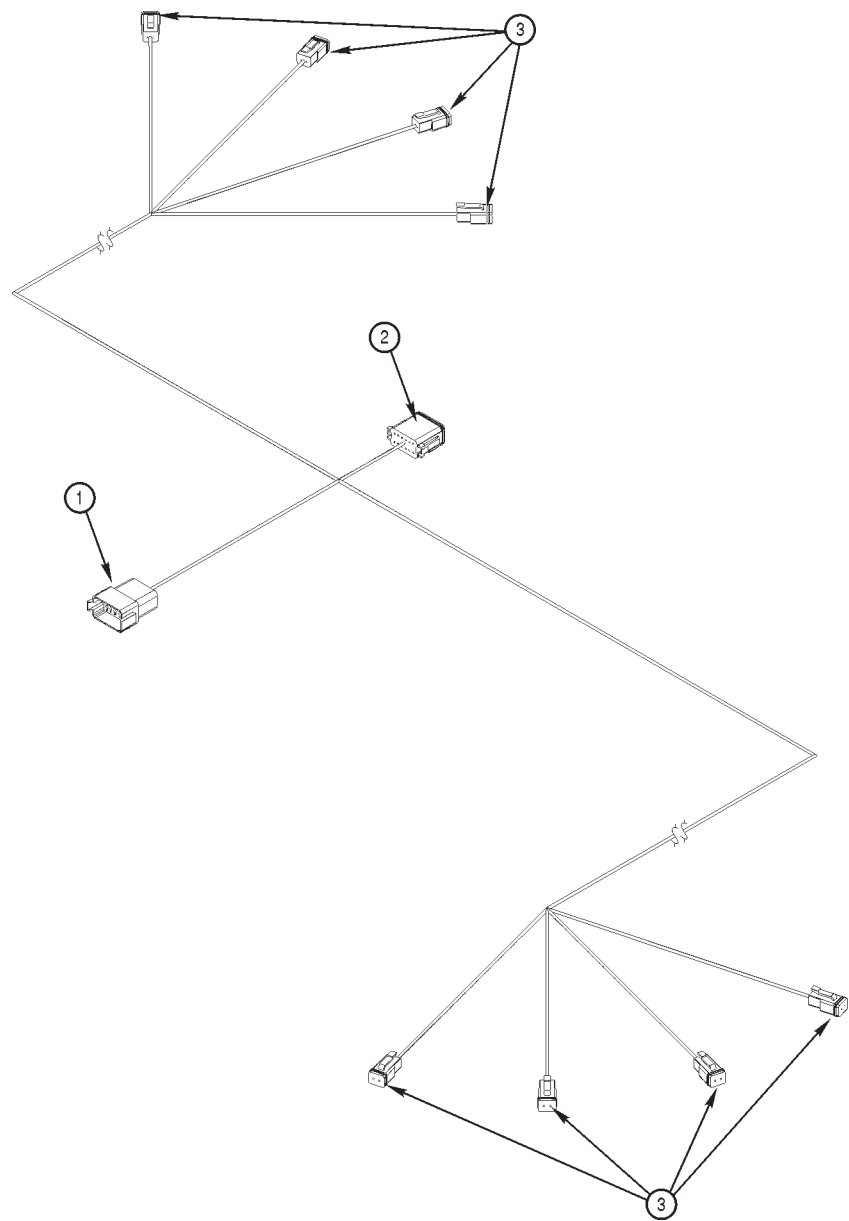


| Item | Part Number      | Description                    | Comments                                                 |
|------|------------------|--------------------------------|----------------------------------------------------------|
| 1    | 760000000        | Connector, Metri-Pack 30 Pin A | Connects to AutoBoom Node                                |
| 2    | 760000001        | Connector, Metri-Pack 30 Pin B | Connects to AutoBoom Node                                |
| 3    | 700000084        | Connector, Weatherpack 3 Pos   | Connects to L and R Inner and Outer Sensors              |
| 4    | 700000024        | Connector, Deutsch DT04-2P     | Connects to L and R Solenoid Jump, Center Rack Up/ Down  |
| 5    | 700000099        | Connector, Deutsch DT06-2S     | Rack Up/Down, L and R Prop Valve, L and R Sense Solenoid |
| 6    | 700000079        | Connector, Deutsch DT06-4S     | Connects to Center Rack Sensor                           |
| 7    | 700000068        | Connector, Weatherpack 4 Pos   | Connects to Power                                        |
| 8    | 700000143        | Connector, Deutsch DT03-3P     |                                                          |
|      | <b>700000549</b> | <b>Harness, AutoBoom</b>       | <b>Complete Harness</b>                                  |



# Adjust On the Go Harness

## All Equipped Models



| Item | Part Number | Description                  | Comments                    |
|------|-------------|------------------------------|-----------------------------|
| 1    | 700000057   | Connector, Deutsch DT04-12PA | Connects to Main Harness    |
| 2    | 700000027   | Connector, Deutsch DT06-12SA | Connects to Ground Junction |
| 3    | 700000099   | Connector, Deutsch DT06-2S   | Wheels IN and OUT Functions |
|      |             |                              |                             |
|      | 700000545   | Harness, Adjust on the Go    | Complete Harness            |



## Tier 4 Components

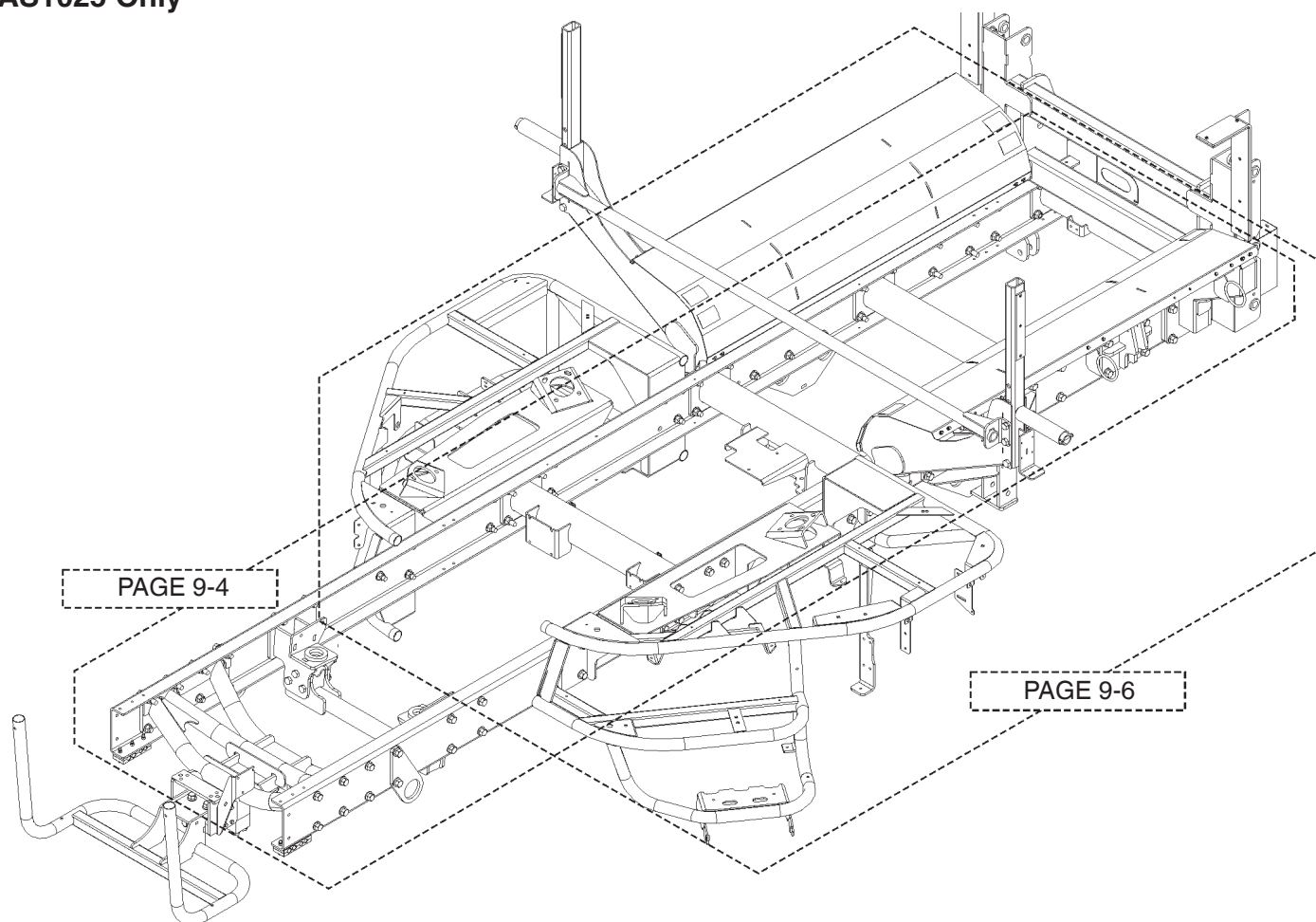
### Specifications

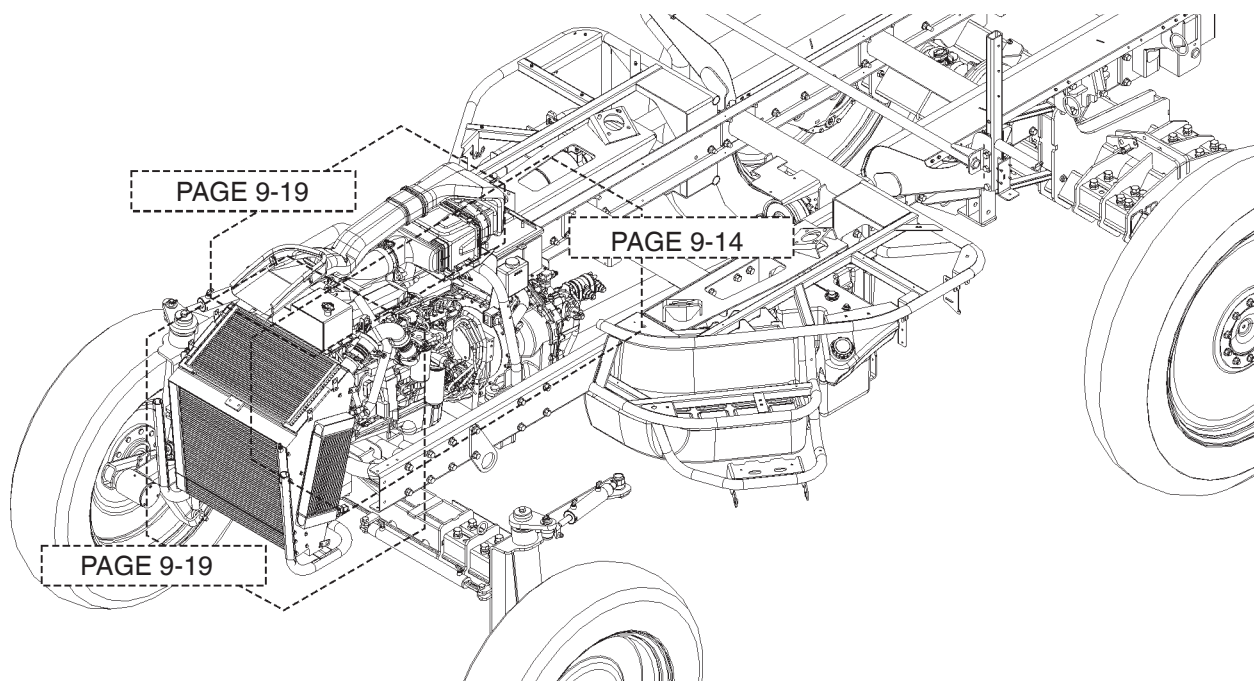
#### AS1025 Only

|                          |                                                                                                                                                                                                             |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tank Capacity . . . . .  | 1000 gallons [3785.4 liters]                                                                                                                                                                                |
| Engine . . . . .         | 173 Cummins Interim Tier IV                                                                                                                                                                                 |
| Transmission . . . . .   | Standard: ZF PowerShift 6-speed with lock-up torque converter                                                                                                                                               |
| Speed Ranges . . . . .   | 1st 0 to 5 mph [8.04 km/h]<br>2nd 0 to 7 mph [11.27 km/h]<br>3rd 0 to 11 mph [17.7 km/h]<br>4th 0 to 17 mph [27.36 km/h]<br>5th 0 to 27 mph [43.45 km/h]<br>6th 0 to 35 mph [56.3 km/h]                     |
| Brakes . . . . .         | Internal, wet disc self-adjusting                                                                                                                                                                           |
| Suspension. . . . .      | Front axle: Center oscillation with independent hydraulic accumulation<br>Rear axle: Patented hydraulic load suspension with compensating anti-sway control, self-adjusting for diminishing/increasing load |
| Cab. . . . .             | ET custom pressurized cab                                                                                                                                                                                   |
| Crop Clearance . . . . . | 42 in. [106.6 cm] or 50 in. [127 cm]                                                                                                                                                                        |
| Axles. . . . .           | 120 to 160 in. [304.8 to 406.4 cm] Adjustable Axle Width with optional hydraulic adjust<br>120 in. [304.8 cm] Fixed Axle Width (Standard)                                                                   |
| Final Drive . . . . .    | ITL/JCB Planetary Gear Set (42 in. [106.6 cm] CC)<br>Gear Drive Drop Box (50 in. [127 cm] CC)                                                                                                               |
| Weight . . . . .         | 18,500 lbs [8391.4 kg] (dry weight)                                                                                                                                                                         |
| Fuel Capacity . . . . .  | 100 gallons [379 liters]                                                                                                                                                                                    |
| Width . . . . .          | 12 ft [3.6 m]                                                                                                                                                                                               |
| Length . . . . .         | 24 ft [7.3 m]                                                                                                                                                                                               |
| Height. . . . .          | 143 in. [363 cm]                                                                                                                                                                                            |
| Wheel Base . . . . .     | 15 ft [4.6 m]                                                                                                                                                                                               |
| Turning Radius . . . . . | 17 ft [5.1 m]                                                                                                                                                                                               |
| Tires . . . . .          | Standard Front: 380/80R38<br>Standard Rear: 380/90R46                                                                                                                                                       |
| Booms . . . . .          | 80 ft [24.3 m]<br>90 ft [27.4 m]<br>100 ft [30.4 m],<br>60 / 80 ft [18.2 / 24.3 m]<br>60 / 90 ft [18.2 / 27.4 m]                                                                                            |
| Boom Height. . . . .     | 14 to 74 in. [35.5 to 187.9 cm] (42 in. [106.6 cm] CC: )<br>22 to 82 in. [55.9 to 208.3 cm] (50 in. [127 cm] CC: )                                                                                          |
| Product Pump. . . . .    | Hypro 9306C HM1C, hydraulically driven centrifugal pump                                                                                                                                                     |
| Roto-Flush . . . . .     | Pump pressured                                                                                                                                                                                              |

## Overview

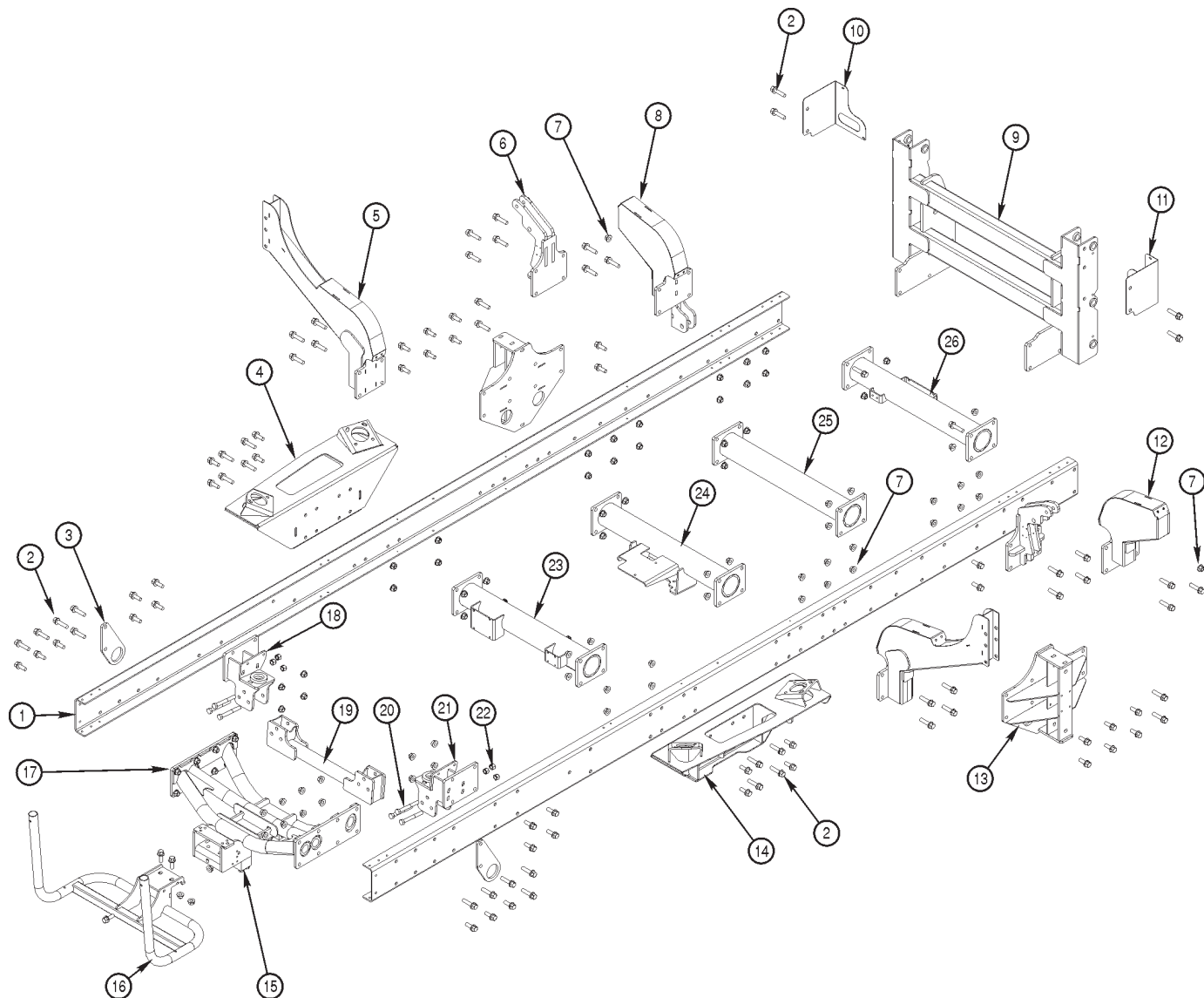
### AS1025 Only





# Frame Rails

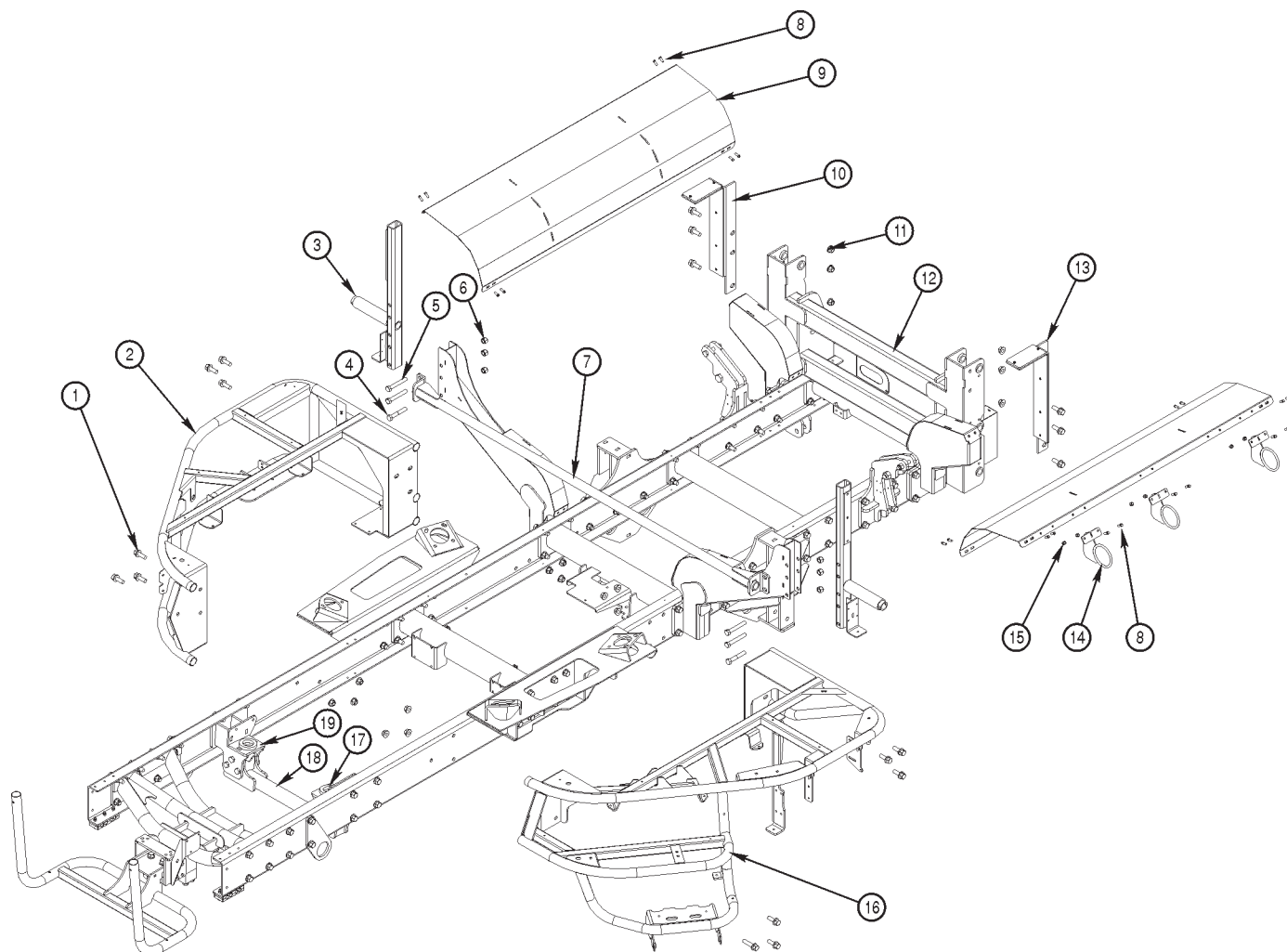
AS1025 Only



| Item | Part Number | Qty | Description                        | Comments                                           |
|------|-------------|-----|------------------------------------|----------------------------------------------------|
| 1    | 100100030   | 2   | Frame Rail 2011                    |                                                    |
| 2    | 100100006   | A/R | Bolt, 3/4-10 X 2" G8 Salt Bath     |                                                    |
| 2A   | 100100007   | A/R | Bolt, 3/4-10 X 2 1/2" G8 Salt Bath |                                                    |
| 2B   | 100100008   | A/R | Bolt, 3/4-10 X 3" G8 Salt Bath     |                                                    |
| 2C   | 100100010   | A/R | Bolt, 3/4-10 X 3 1/2" G8 Salt Bath |                                                    |
| 3    | 100108005   | 2   | Bracket, Tie down                  |                                                    |
| 4    | 100100661   | 1   | Support, Cab, Right                |                                                    |
| 5    | 601000053   | 2   | Support, Boom, Front Lower         |                                                    |
| 6    | 100108024   | 2   | Suspension, Cylinder Bracket       |                                                    |
| 7    | 100100005   | A/R | Nut, 3/4-10 G8 Salt Bath           |                                                    |
| 8    | 601000056   | 1   | Support, Tank, Rear R/H            |                                                    |
| 9    | 601000080   | 1   | Back Rack, 2012                    |                                                    |
| 10   | 100108007   | 1   | Cover, R/H Bracket Rear Frame      |                                                    |
| 11   | 100108008   | 1   | Cover, L/H Bracket Rear Frame      |                                                    |
| 12   | 601000057   | 1   | Support, Tank, Rear L/H            |                                                    |
| 13   | 100108023   | 2   | Suspension, Torque Arm Bracket     |                                                    |
| 14   | 100100660   | 1   | Support, Cab, Left                 |                                                    |
| 15   | 100105239   | 2   | Bearing, Carrier, Lower            | Uses 8 - 900011877 Bolts and 8 - 902000100 Washers |
| 16   | 201200145   | 1   | Support Frame, Radiator            |                                                    |
| 17   | 100105238   | 1   | Bolster, Engine                    |                                                    |
| 18   | 100100120   | 1   | Engine To Frame Mount R/H T3/T4i   |                                                    |
| 19   | 100100122   | 1   | Crossmember Engine Mount T3/T4i    |                                                    |
| 20   | 900004013   | 6   | Bolt, HHCS 3/4-10 x 6 G5 ZP        |                                                    |
| 21   | 100100121   | 1   | Engine To Frame Mount L/H T3/T4i   |                                                    |
| 22   | 901003074   | 6   | Nut, Nylock 3/4-10                 |                                                    |
| 23   | 100100115   | 1   | Frame Cross Member, Front 2012     |                                                    |
| 24   | 100100106   | 1   | Frame Cross Member,Hydraulic Tank  |                                                    |
| 25   | 100100103   | 1   | Frame Cross Member                 |                                                    |
| 26   | 100100116   | 1   | Frame Cross Member, Rear 2012      |                                                    |

# Outriggers

AS1025 Only

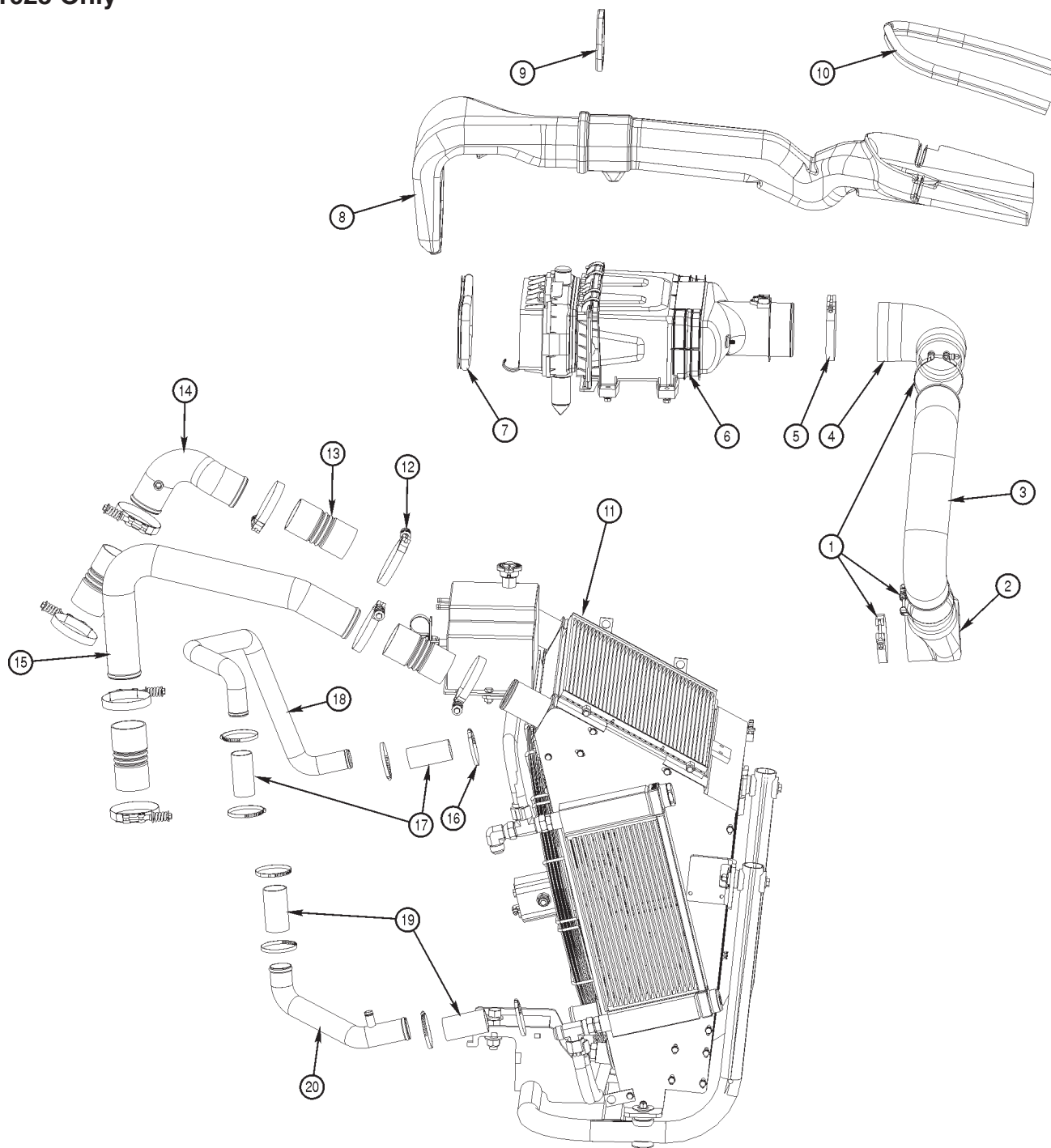




| Item | Part Number | Qty | Description                              | Comments |
|------|-------------|-----|------------------------------------------|----------|
| 1    | 100100006   | A/R | Bolt, 3/4-10 X 2" G8 Salt Bath           |          |
| 1A   | 100100007   | A/R | Bolt, 3/4-10 X 2 1/2" G8 Salt Bath       |          |
| 1B   | 100100008   | A/R | Bolt, 3/4-10 X 3" G8 Salt Bath           |          |
| 1C   | 100100010   | A/R | Bolt, 3/4-10 X 3 1/2" G8 Salt Bath       |          |
| 2    | 100100663   | 1   | Outrigger Frame, R/H                     |          |
| 3    | 601000054   | 2   | Support, Boom, Front Upper               |          |
| 4    | 900006675   | 2   | Bolt, HHCS 3/4-16 X 5 G5 ZP              |          |
| 5    | 900006665   | 4   | Bolt, HHCS 3/4-16 X 4 1/2 G5 ZP          |          |
| 6    | 901003075   | 6   | Nut, Nylock 3/4-16 ZP                    |          |
| 7    | 601000061   | 1   | Cross Bar, Product tank support          |          |
| 8    | 900106537   | 32  | Bolt, 3/8-16 X 1" Flanged Head Salt Bath |          |
| 9    | 601000055   | 2   | Support, Tank, Side                      |          |
| 10   | 601000058   | 1   | Rinse Tank Hold Down, R/H                |          |
| 11   | 100100005   | A/R | Nut, 3/4-10 G8 Salt Bath                 |          |
| 12   | 601000080   | 1   | Back Rack, 2012                          |          |
| 13   | 601000059   | 1   | Rinse Tank Hold Down, L/H                |          |
| 14   | 690000304   | 3   | Retainer, Product hose                   |          |
| 15   | 901003020   | 6   | Nut, Nylock 3/8-16 ZP                    |          |
| 16   | 100100662   | 1   | Outrigger Frame, L/H                     |          |
| 17   | 100100121   | 1   | Engine To Frame Mount L/H T3/T4i         |          |
| 18   | 100100122   | 1   | Crossmember Engine Mount T3/T4i          |          |
| 19   | 100100120   | 1   | Engine To Frame Mount R/H T3/T4i         |          |

# Intake Air and Cooling Piping

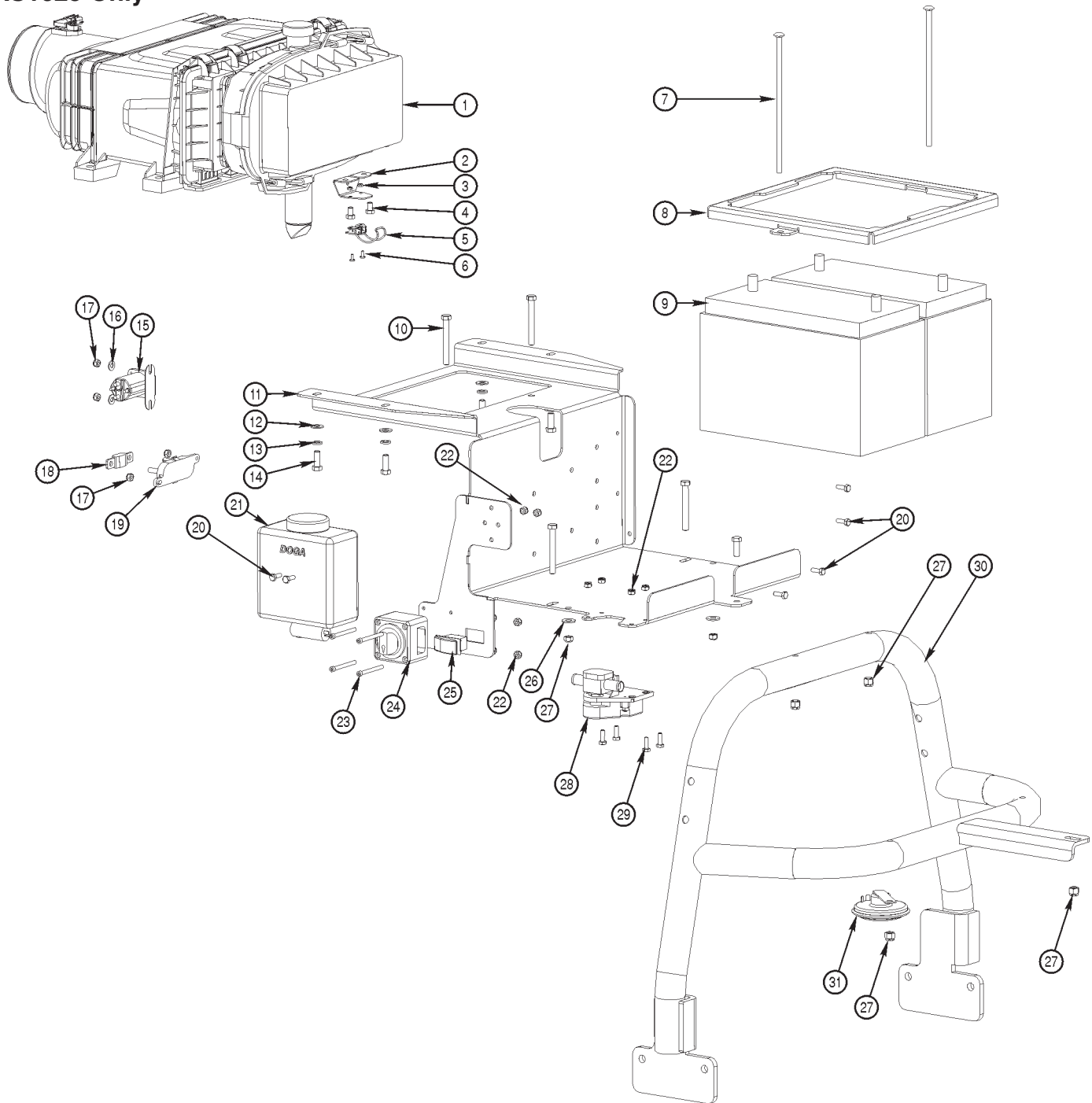
AS1025 Only



| Item | Part Number | Qty | Description                       | Comments                                                                                     |
|------|-------------|-----|-----------------------------------|----------------------------------------------------------------------------------------------|
| 1    | 201300001   | 3   | Clamp, T-Bolt 4" Dia              |                                                                                              |
| 2    | 201300120   | 1   | Elbow, 90 Cobra-Head 4"           |                                                                                              |
| 3    | 201200186   | 1   | Tube, Intake T4i 2012             |                                                                                              |
| 4    | 201300071   | 1   | Elbow, 90 Deg 5" to 4"            |                                                                                              |
| 5    | 201300002   | 1   | Clamp, T-Bolt 5" Dia              |                                                                                              |
| 6    | 201300121   | 1   | Air Cleaner Assembly, Direct Flow | Primary filter P/N 201300140 - Secondary filter P/N 201300141                                |
| 7    | 201300134   | 1   | Seal ,Intake Adapter              |                                                                                              |
| 8    | 201300142   | 1   | Intake, Cold Air, T4i             |                                                                                              |
| 9    | 201300133   | 1   | Seal, Intake expansion            |                                                                                              |
| 10   | 201300132   | 1   | Seal, Inlet Cowl                  |                                                                                              |
| 11   | 201200183   | 1   | Cooling Package                   | Starting with S/N 9110397 - If ordering for a S/N prior - must also order 1 of P/N 800302497 |
| 12   | 201200008   | 8   | Clamp, Nomex 3.00"                |                                                                                              |
| 13   | 201200007   | 4   | Coupler, Nomex 3.00"ID x 6" long  |                                                                                              |
| 14   | 201200188   | 1   | Tube, CAC Return T4i 2012         |                                                                                              |
| 15   | 201200187   | 1   | Tube, CAC Supply T4i 2012         |                                                                                              |
| 16   | 915001303   | 8   | Clamp, Screw #32 38-62 mm         |                                                                                              |
| 17   | 520400104   | 2   | Hose, 1.75" Silicone              | Two 4" pieces are used - ordered in inches                                                   |
| 18   | 201200189   | 1   | Tube, Radiator Upper T4i 2012     |                                                                                              |
| 19   | 201199098   | 2   | Hose, 2" Silicone                 | Two 4" pieces are used - ordered in inches                                                   |
| 20   | 201200190   | 1   | Tube, Radiator Lower T4i 2012     |                                                                                              |
|      |             |     |                                   |                                                                                              |
|      | 750000007   | 1   | Sensor, CAC Temp                  | Not shown                                                                                    |

# Firewall

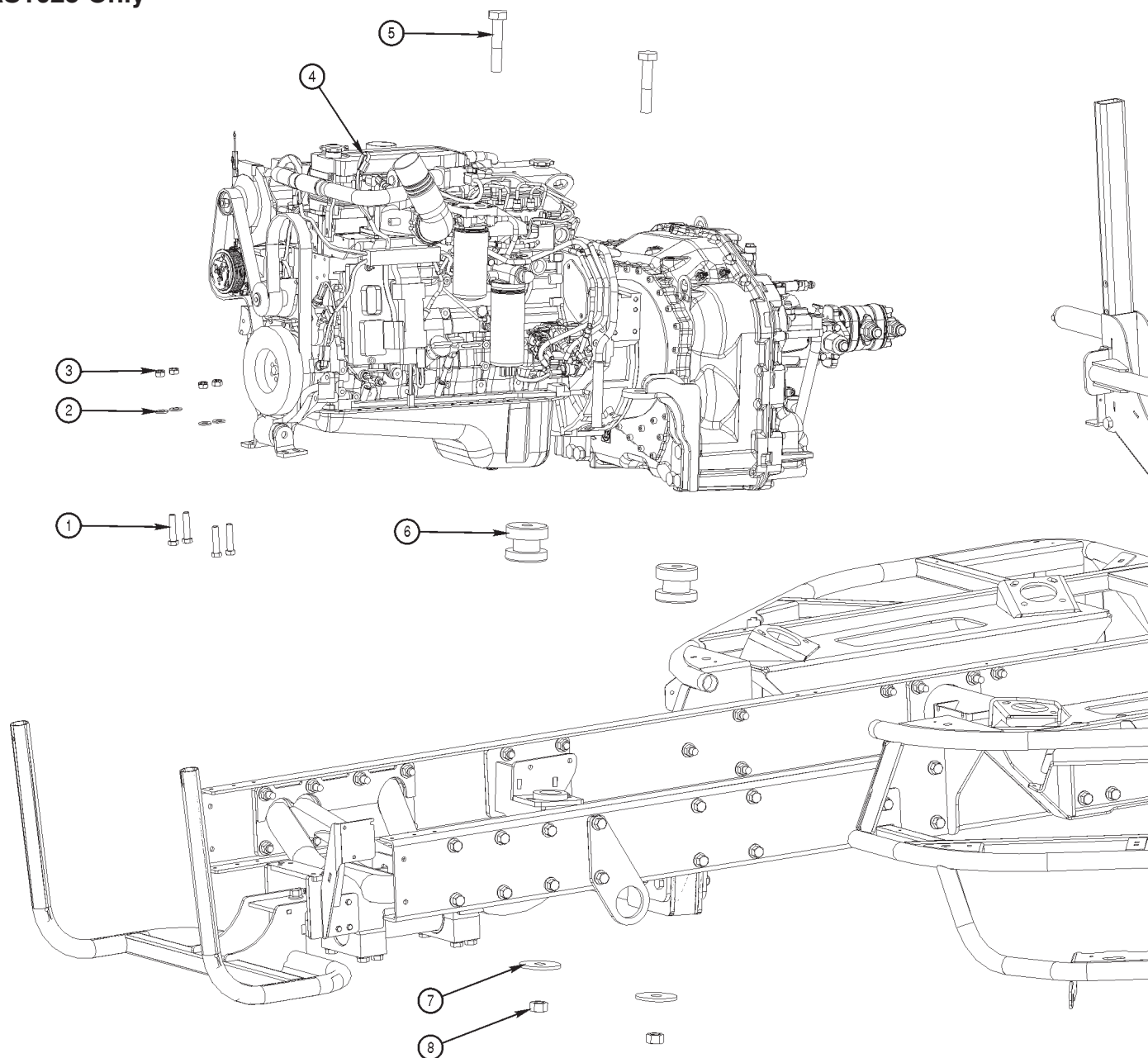
## AS1025 Only



| Item | Part Number | Qty | Description                                   | Comments                                |
|------|-------------|-----|-----------------------------------------------|-----------------------------------------|
| 1    | 201300121   | 1   | Air Cleaner Assembly, Direct Flow             |                                         |
| 2    | 201300143   | 1   | Plate, Intake T4i Latch                       |                                         |
| 3    | 903302606   | 2   | Nut, Nylock 8-32 ZP                           |                                         |
| 4    | 900000612   | 2   | Bolt, HHCS 5/16-18 x 1/2 G5                   |                                         |
| 5    | 201300131   | 1   | Latch, Intake                                 |                                         |
| 6    | 903302602   | 2   | Screw, 8-32 X 3/4 PHIL                        |                                         |
| 7    | 900032036   | 2   | Bolt, Carriage 5/16-18 x 9"                   |                                         |
| 8    | 290000803   | 1   | Bracket, Battery Hold Down                    |                                         |
| 9    | 720000000   | 2   | Battery, 12V Post HDC                         |                                         |
| 10   | 900002865   | 4   | Bolt, HHCS 3/8-16 X 3 G5 ZP                   |                                         |
| 11   | 290000806   | 1   | Bracket, Batt/Air Cleaner T4i                 |                                         |
| 12   | 900100303   | 4   | Washer, Flat M8                               |                                         |
| 13   | 900100302   | 4   | Washer, Lock M8                               |                                         |
| 14   | 900100301   | 4   | Bolt, HHCS M8 x 1.25 x 25                     |                                         |
| 15   | 700100200   | 1   | Solenoid, 12VDC 200 AMP                       |                                         |
| 16   | 902003035   | 4   | Washer, Flat 1/4-20                           |                                         |
| 17   | 901003000   | 4   | Nut, Nylock 1/4-20                            |                                         |
| 18   | 700100201   | 1   | Fuse, AMG 250 AMP                             |                                         |
| 19   | 700100130   | 1   | Fuse Holder, Bussman                          | Fuse Holder, Bussman                    |
| 20   | 900002395   | 6   | Bolt, HHCS 1/4-20 X 3/4 G5 ZP                 |                                         |
| 21   | 400000895   | 1   | Bottle, Windshield Washer                     |                                         |
| 22   | 901003000   | 10  | Nut, Nylock 1/4-20                            |                                         |
| 23   | 900002437   | 4   | Screw, 10-24 x 2 1/2 SS Socket Head Cap Screw | Also used for suspension limit switches |
| 24   | 700100303   | 1   | Battery Disconnect                            |                                         |
| 25   | 700300002   | 1   | Switch, Fan Reverse                           |                                         |
| 26   | 902003045   | 4   | Washer, Flat 3/8 ZP                           |                                         |
| 27   | 901003020   | 8   | Nut, Nylock 3/8-16 ZP                         |                                         |
| 28   | 700000725   | 1   | Water Valve 2012                              |                                         |
| 29   | 900002435   | 4   | Bolt, HHCS 1/4-20 X 2 G5 ZP                   |                                         |
| 30   | 290000805   | 1   | Bracket Batt/Air Cleaner 2012                 |                                         |
| 31   | 430100000   | 1   | Horn                                          |                                         |

# Engine Mounting

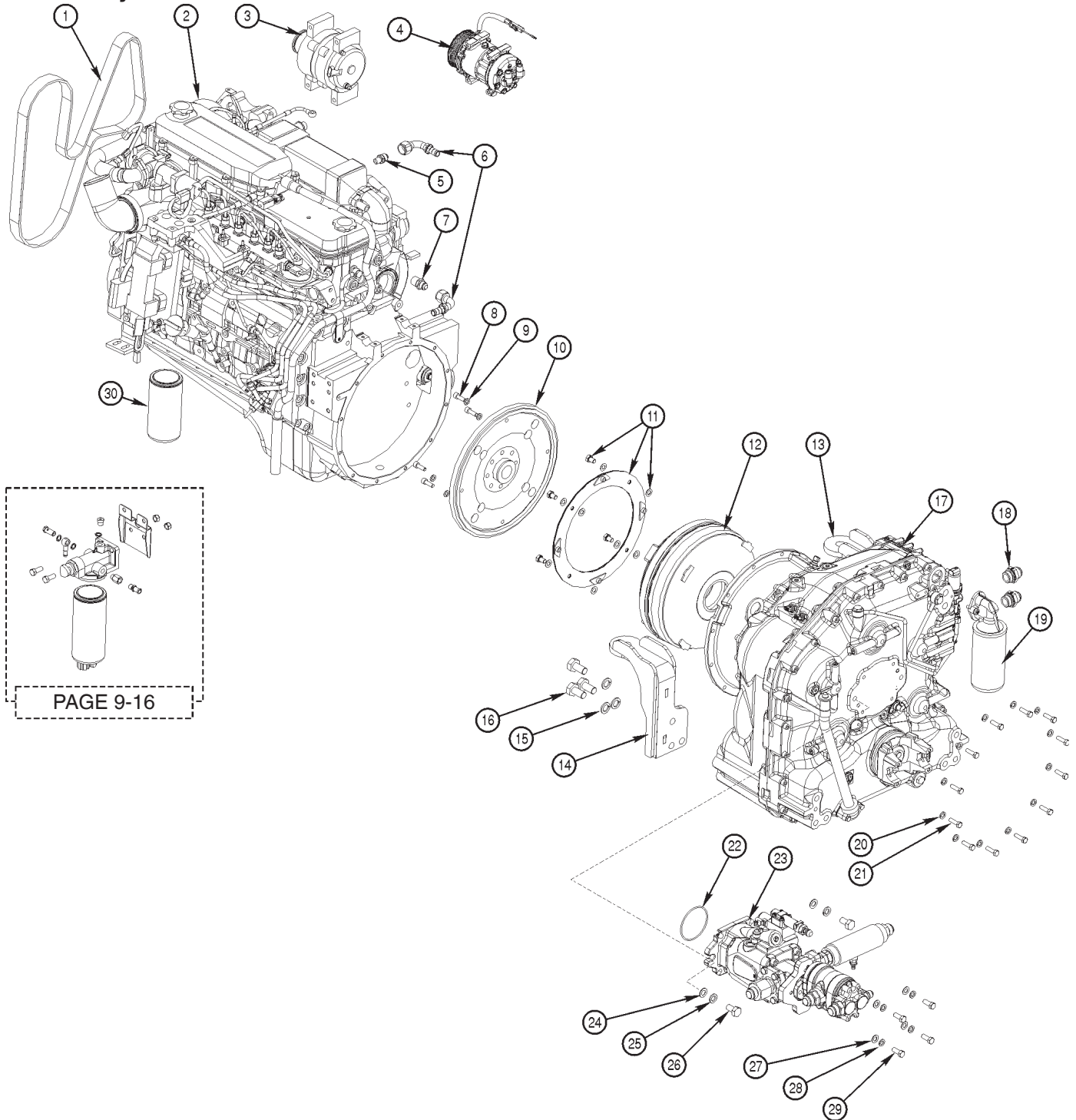
AS1025 Only



| Item | Part Number | Qty | Description                                        | Comments |
|------|-------------|-----|----------------------------------------------------|----------|
| 1    | 900102332   | 4   | Bolt, M12 x 1.75 x 45                              |          |
| 2    | 901100467   | 4   | Washer, Flat M12                                   |          |
| 3    | 901100466   | 4   | Nut, M12 x 1.75 G10.9                              |          |
| 4    | 200000004   | 1   | Engine, Cummins QSB 173HP T4i                      |          |
| 5    | 900006884   | 2   | Bolt, HHCS 7/8-14 x 4 1/2" G5 ZP                   |          |
| 6    | 290001030   | 2   | Isolator, Universal Mount Engine                   |          |
| 7    | 290001031   | 2   | Washer, Snubbing 3" OD x 0.94" ID x 0.25"<br>THICK |          |
| 8    | 901003085   | 2   | Nut, Nylock 7/8-14                                 |          |

# Engine and Transmission

AS1025 Only

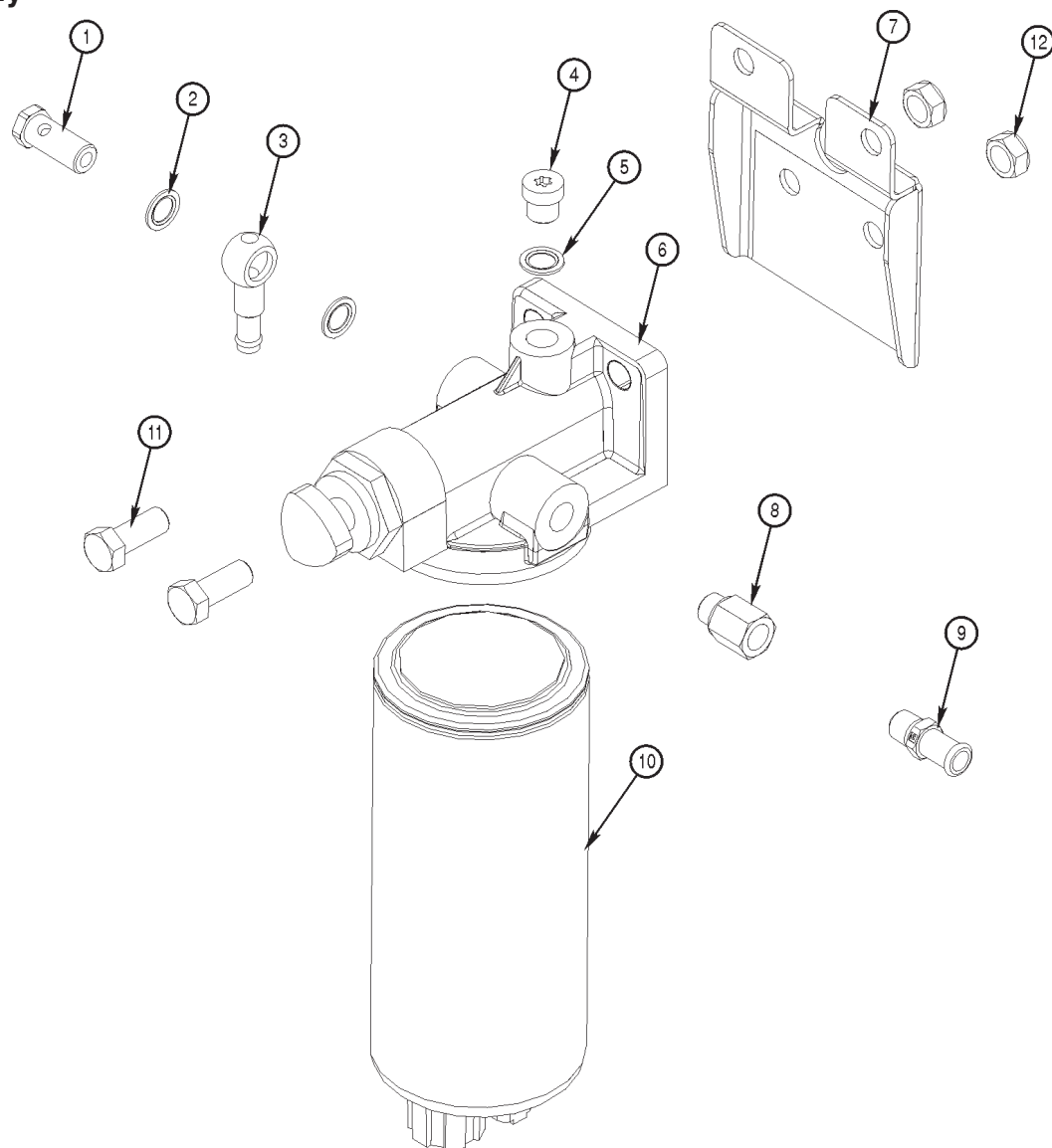




| Item | Part Number | Qty | Description                             | Comments                                                 |
|------|-------------|-----|-----------------------------------------|----------------------------------------------------------|
| 1    | 200100034   | 1   | Belt, Serpentine QSB 6.7                |                                                          |
| 2    | 200000004   | 1   | Engine, Cummins QSB 173HP T4i           |                                                          |
| 3    | 201450509   | 1   | Alternator                              |                                                          |
| 4    | 420100006   | 1   | Compressor, A/C                         |                                                          |
| 5    | 800302218   | 1   | Fitting, 10 FLM X 8 PM                  |                                                          |
| 6    | 800302221   | 2   | Fitting, 10 FLF X 10 HB 90              |                                                          |
| 7    | 800302219   | 1   | Fitting, 10 FLM x 12 PM                 |                                                          |
| 8    | 900100004   | 4   | Bolt, M10 x 1.50 x 35 Metric Allen Head |                                                          |
| 9    | 902100100   | 4   | Washer, Lock M10                        |                                                          |
| 10   | 200100082   | 1   | Flywheel, Cummins with ZF 2012          |                                                          |
| 11   | 301010200   | 1   | Flex Plate, ZF                          |                                                          |
| 12   | 301010201   | 1   | Converter, Torque, ZF                   |                                                          |
| 13   | 290000894   | 1   | Mount, ZF Transmission R/H T3/T4i       |                                                          |
| 14   | 290000895   | 1   | Mount, ZF Transmission L/H T3/T4i       |                                                          |
| 15   | 901100763   | 6   | Washer, Lock M20                        |                                                          |
| 16   | 901100764   | 6   | Bolt, M20 x 2.5 x 40                    |                                                          |
| 17   | 301100020   | 1   | Transmission, ZF                        |                                                          |
| 18   | 800404245   | 2   | Fitting,, 16 FLM x M33 x 2 ORM          |                                                          |
| 19   | 310100001   | 1   | Filter, ZF Transmission                 |                                                          |
| 20   | 902100100   | 12  | Washer, Lock M10                        |                                                          |
| 21   | 900100003   | 12  | Bolt, HHCS M10 x 1.50 x 40              |                                                          |
| 22   | 350000317   | 1   | O-ring                                  |                                                          |
| 23   | 860000036   | 1   | Pump, Assembly ZF                       | Piston Pump P/N 860000030 Tandem Gear Pump P/N 860000037 |
| 24   | 900100799   | 2   | Bolt, HHCS M16 x 2.0 x 35               |                                                          |
| 25   | 902003046   | 2   | Washer, Lock M16                        |                                                          |
| 26   | 902003044   | 2   | Washer, Flat M16                        |                                                          |
| 27   | 901100467   | 4   | Washer, Flat M12                        |                                                          |
| 28   | 902003047   | 4   | Washer, Lock M12                        |                                                          |
| 29   | 900102334   | 4   | Bolt, HHCS M12 x 1.75 x 35              |                                                          |
| 30   | 201450304   | 1   | Fuel Filter, Secondary Cummins T4i      | Fuel Filter, Primary Cummins T4i - P/N 201450303         |

## Primary Fuel Filter Head

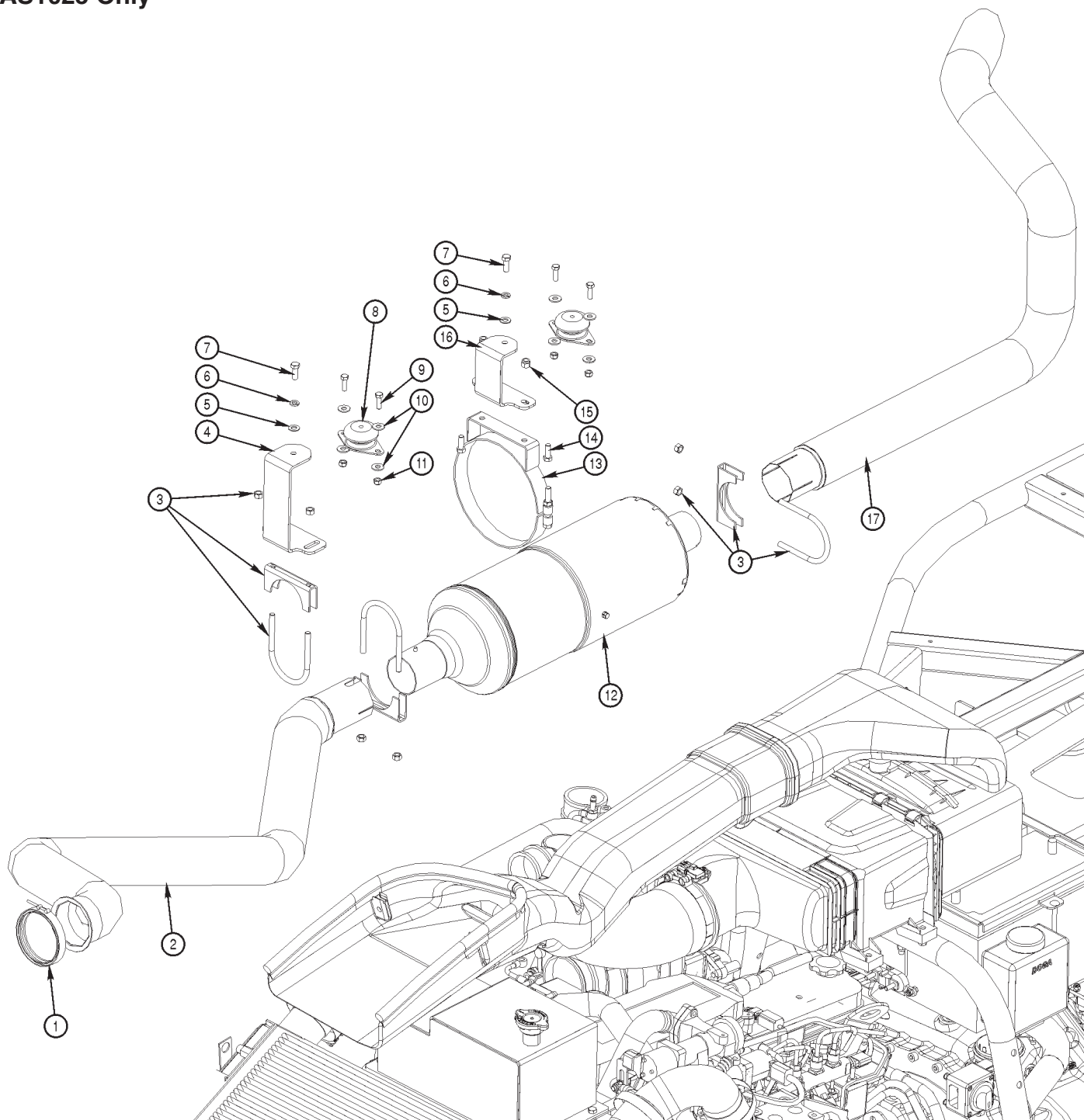
AS1025 Only



| Item | Part Number | Qty | Description                            | Comments                             |
|------|-------------|-----|----------------------------------------|--------------------------------------|
| 1    | 290000937   | 1   | Fitting, M14 Banjo Bolt                |                                      |
| 2    | 290000938   | 2   | Washer, M14 Copper                     |                                      |
| 3    | 290000936   | 1   | Fitting, M14 Banjo x 6 HB              |                                      |
| 4    | 201450308   | 1   | Plug, M14x1.5x16 Fuel Filter T4i       |                                      |
| 5    | 201450309   | 1   | Seal, O-Ring M14 Fuel Filter T4i       |                                      |
| 6    | 201450307   | 1   | Head, Fuel Filter T4i                  |                                      |
| 7    | 290000933   | 1   | Bracket Fuel/Water Cummins T4i         |                                      |
| 8    | 290000935   | 1   | Fitting, M14 Male x 1/4 Pipe Female    |                                      |
| 9    | 290000934   | 1   | Fitting, 8 HB x 4 PM                   |                                      |
| 10   | 201450303   | 1   | Fuel filter, Primary                   | Fuel Filter, Secondary P/N 201450304 |
| 11   | 900100585   | 2   | Bolt, HHCS M12 30 1.75 9 ZP            |                                      |
| 12   | 901100466   | 2   | Nut, M12 x 1.75 G10.9                  |                                      |
|      | 201450310   |     | Adapter, Fuel Filter Head T4i          | Not shown                            |
|      | 201450311   |     | Seal, Rectangular Ring Fuel Filter T4i | Not shown                            |
|      | 201450312   |     | Adapter, Fuel Filter T4i               | Not shown                            |

# Exhaust Piping

AS1025 Only



| Item | Part Number | Qty | Description                                  | Comments |
|------|-------------|-----|----------------------------------------------|----------|
| 1    | 290000755   | 1   | Clamp, 3.00" V-band Exhaust                  |          |
| 2    | 201100052   | 1   | Tube, Exhaust Turbo Out T4i                  |          |
| 3    | 290000700   | 3   | Clamp, 3" Exhaust Heavy Duty                 |          |
| 4    | 201100051   | 1   | Bracket, Exhaust Hanger (front) T4i          |          |
| 5    | 902003200   | 2   | Washer, Flat 3/8"                            |          |
| 6    | 900002806   | 2   | Washer, Lock 3/8"                            |          |
| 7    | 900002815   | 4   | Bolt, HHCS 3/8-16 X 1 G5 ZP                  |          |
| 8    | 290001020   | 2   | Mount, Vibration, Control Exhaust            |          |
| 9    | 900002610   | 4   | Bolt, HHCS 5/16-18 X 1 G5 ZP                 |          |
| 10   | 902003195   | 8   | Washer, Flat 5/16"                           |          |
| 11   | 901003010   | 4   | Nut, Nylock 5/16"                            |          |
| 12   | 201100050   | 1   | Aftertreatment, T4i Cummins Compact Catalyst |          |
| 13   | 201100056   | 1   | Mount, Cummins CCC Band 8.25"                |          |
| 14   | 900002815   | 4   | Bolt, HHCS 3/8-16 X 1 G5 ZP                  |          |
| 15   | 901003020   | 2   | Nut, Nylock 3/8-16                           |          |
| 16   | 201100055   | 1   | Bracket, Exhaust Hanger (rear) T4i           |          |
| 17   | 201100053   | 1   | Tube, Exhaust Outlet T4i                     |          |

# Appendix

## Additional Information

### 2012 Apache Filters, Hydraulic Cylinders, Seal Kits and Belts

#### Filters

| ET Part Number | Description                   | Vendor              | Vendor Part Number | Apache Model             |
|----------------|-------------------------------|---------------------|--------------------|--------------------------|
| 201450241      | Engine Oil Filter             | Fleetguard          | LF3970             | All Models               |
| 201450242      | Engine Fuel Filter            | Fleetguard          | FS19732            | All Models except AS1025 |
| 201450303      | Engine Fuel Filter, Primary   | Cummins             | FS1065             | AS1025 Only              |
| 201450243      | Engine Fuel Filter            | Cummins             | 3978040            | All Models except AS1025 |
| 201450304      | Engine Fuel Filter, Secondary | Cummins             | FS5632             | AS1025 Only              |
| 201300116      | Air Filter, Primary           | Donaldson           | P608676            | All Models except AS1025 |
| 201300140      | Air Filter, Primary           | Cummins             | AF55005            | AS1025 Only              |
| 201300117      | Air Filter, Secondary         | Donaldson           | 321925753          | All Models except AS1025 |
| 201300141      | Air Filter, Secondary         | Cummins             | AF55308            | AS1025 Only              |
| 300000101      | Transmission Filter           | Filter ITL(JCB)     | 581/18092          | AS720                    |
| 310100001      | Transmission Filter (ZF)      | Cross not available |                    | AS1020 and 1220          |
| 880000026      | Hydraulic Filter              | Cross not available |                    | All Models               |
| 840000010      | Hydraulic Strainer (In Tank)  | Cross not available |                    | All Models               |
| 490003651      | Cab Charcoal Filter           | Cross not available |                    | All Models               |
| 490006661      | Cab Recirculation Filter      | Cross not available |                    | All Models               |
| 201450291      | Fuel Filter (In Line)         | Cross not available |                    | All Models               |
| 201450001      | Fuel Tank Strainer            | Cross not available |                    | All Models               |
| 201450306      | Crankcase Breather            | Cummins             | CV52001            | AS1025 Only              |

#### Hydraulic Cylinders and Seals

| ET Part Number | Description                         | Seal Kit Part Number | Apache Model                 |
|----------------|-------------------------------------|----------------------|------------------------------|
| 600901510      | Boom tilt up/down                   | 600901515            | All Models                   |
| 600901510      | Boom fold in/out                    | 600901515            | All Models                   |
| 600901511      | Boom tip in/out                     | 600901516            | All Models                   |
| 600901406      | Boom Rack up/down                   | 600901408            | All Models                   |
| 100106052      | Rear Suspension Leveling (small)    | 100106056            | All Models                   |
| 100106063      | Rear Suspension Load (large)        | 100106065            | All Models                   |
| 850000124      | Ladder Cylinder                     | Kit not available    | All Models                   |
| 850000129      | Steering Cylinder (Adjustable axle) | 850000132            | All Adjustable Axle Machines |
| 850000130      | Steering Cylinder (Fixed Axle)      | Kit not available    | All Fixed Axle Machines      |
| 100106514      | Front Strut                         | 100106515            | All Models                   |

Note: Part Numbers are stamped into the barrel of all cylinders on 2012 Apaches.

#### Belts

| ET Part Number | Description     | Vendor  | Vendor Part Number | Apache Model |
|----------------|-----------------|---------|--------------------|--------------|
| 200100034      | Serpentine Belt | Cummins | 3289963            | All Models   |
|                |                 |         |                    |              |
|                |                 |         |                    |              |

## **Spare Parts Return Policy**

Equipment Technologies Inc. (ETI) will accept spare parts returned from our dealers under the following conditions:

- The returning dealer must obtain return goods authorization number (RMA) by contacting the Product Support Manager at ETI Prior to returning any parts.
- The RMA # must be visible on the outside of the shipping container and on any accompanying paper work.
- Any parts returned without an RMA # will be returned to the dealer. The dealer will be responsible for any freight charges.
- All parts returned must be clean, new, and in original packaging.
- Parts must have been purchased from ETI within the last twelve months.
- The returning dealer will pay all freight.
- A 15% restocking fee will be charged to the returning dealer on all spare parts returned.
- ETI will allow a dealer to return up to 20% of the total spare parts purchased from ETI in the last calendar year.
- ETI will not accept any returns of any special order parts.
- Any spare parts shipped to a dealer mistakenly by ETI maybe returned to ETI without a restocking fee. ETI will ship the correct parts freight free. The dealer must still obtain an RMA # before returning the parts.
- Any parts ordered by a dealer for work required by a service bulletin/update that were unused maybe returned to ETI without a restocking fee. The parts must be returned within six months of purchase. The dealer must obtain an RMA # prior to returning the parts.
- ETI will inspect all returned parts. ETI will determine the condition of all returned parts. ETI reserves the right to refuse any parts that do not meet the above guidelines.

Any questions concerning the spare parts return policy or to return spare parts please contact Brian Holtane, Product Support, at (317) 834-4500 or Email: [brian.holtane@etsprayers.com](mailto:brian.holtane@etsprayers.com)

## Option Kits for 2012 Apache Sprayers

The following is a list of kits to add options to the 2012 Apaches after market. The kits include all parts to add the option to the Apache including mounting brackets and hardware.

| Part Number | Description                                                       |
|-------------|-------------------------------------------------------------------|
| K65000171   | Kit, Fence Row Nozzle One Side 60/80 and 80 ft 2010 - 2012 Models |
| K65000172   | Kit, Fence Row Nozzle One Side 90 and 100 ft 2010 - 2012 Models   |
| K65000181   | Kit, Teejet Flow Back Valve 5 Bank                                |
| K65000190   | Kit, Cab Filters 2011 - 2012 Models                               |
| K65000191   | Kit, Sprayer Survival 2011 - 2012 Models                          |
| K65000196   | Kit, Chemical Eductor Poly 2011- 2012 Models                      |
| K65000197   | Kit, Foam Marker Combo 2011 - 2012 Models                         |
| K65000198   | Kit, Foam Marker Straight 2011 - 2012 Models                      |
| K65000202   | Kit, Front Fenders 42" and 50" CC 2011 - 2012 Models              |
| K65000203   | Kit, Rear Fender 42" CC 2011 - 2012 Models                        |
| K65000204   | Kit, Rear Fenders 50" CC 2011 - 2012 Models                       |
| K65000205   | Kit, 3" Quick Fill Poly Tank 2011 - 2012 Models                   |
| K65000209   | Kit, Hydraulic Filter without Oil                                 |
| K65000210   | Kit, Hydraulic Filter with Oil                                    |
| K65000212   | Kit, Raven Flow Max Flowmeter                                     |
| K65000213   | Kit, Auto Boom Wheels with Mount Brackets                         |
| K65000214   | Rear Differential, Complete ZF Flipped Low Speed                  |
| K65000222   | Kit, Adjust On The Go 2011 Models                                 |
| K65000223   | Kit, 5000 Console 2012                                            |
| K65000224   | Kit, Envizio Pro 2 Console 2012                                   |
| K65000225   | Kit, Viper Pro Console 2012                                       |
| K65000226   | Kit, Console Ready 2012                                           |
| K65000227   | Kit, Antenna Phoenix 200 2012                                     |
| K65000228   | Kit, Antenna Phoenix 300 with Viper 2012                          |
| K65000229   | Kit, AutoSteer 2012 Models                                        |
| K65000230   | Kit, Accuboom 2012 Models                                         |
| K65000231   | Kit, PPG AutoBoom 2012 Models                                     |
| K65000232   | Kit, UltraGlide 2012 Models                                       |
| K65000233   | Kit, UltraGlide with Wheels 2011 Models                           |
| K65000234   | Kit, Yearly Service Filter 2012 AS720                             |
| K65000235   | Kit, Yearly Service Filter 2012 AS1020 and AS1220                 |
| K65000236   | Kit, UG with 5 Eyes 2012                                          |
| K65000237   | Kit, PG with Center Eye 2012                                      |
| K65000238   | Kit, 3" Quick Fill S.S. Tank 2012 Models                          |
| K65000239   | Kit, PG To UG Conversion 2012                                     |
| K65000240   | Kit, Chemical Eductor S.S. 2012                                   |
| K65000241   | Kit, Sight Tube, Product Tank 2012                                |



Please take time to make use of the form below. We are supplying this form so that we can get both feedback, and find any changes that may be necessary. You may use this form for any parts book, both present and future. If you have an idea on how to improve the presentation of the information, we would appreciate the input. If you come across a change that needs to be made, please email or fax a completed copy of this form to the attention of Tim Stamper.

[illegible]