



# Parts Manual

# 4500P

California Compliant  
Serial Number 4500P-AN01001 --



Revised 07/24/25  
09.20018 Rev. 38



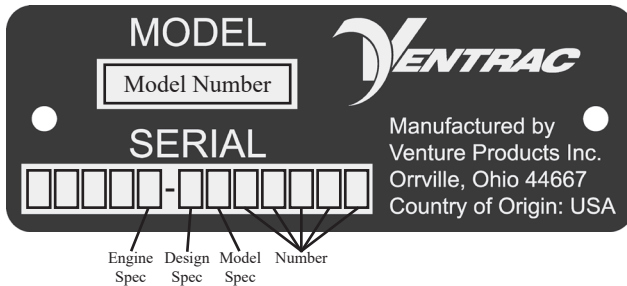
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Orrville Oh 44667  
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A downloadable operator's manual is also available.

## Serial Number Description



## Engine

P KAWASAKI 31 HP FD851D DFI GAS LC

## Notes

- If any component requires replacement, use only original Ventrac replacement parts.
- When ordering new components, be sure to order all required safety decals. All current safety decals must be affixed to the replacement components prior to installation of the component.

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# ELECTRICAL

## Wiring Diagram Reference Key

### Wire Reference Key

#### Harness Section Identifier

A = 32.0108 - Harness, Rear  
B = 32.0109 - Harness, Dash  
C = 32.0110 - Harness, Front  
D = 32.0107 - Harness, B&S Engine  
E = 32.0105 - Harness, Kawasaki Engine  
F = 32.0104 - Harness, Kubota Gas  
G = 32.0106 - Harness, Kubota Diesel  
H = 32.0134 - Harness, 4500 Front Headlight  
I =  
J = 32.0114 - Harness, Kit - 12v Front  
K = 32.0113 - Harness, Kit - 12v Rear  
L = 32.0120 - Harness, Kit - 12v Dual Hydraulic  
M = 32.0119 - Harness, Kit - Propane  
N = 32.0121 - Harness, Kit - PTO Remote  
O = 32.0115 - Harness, Kit - Horn  
P = 32.0122 - Harness, Kit - Backup Alarm  
Q = 32.0118 - Harness, Kit - Directional  
R = 32.0117 - Harness, Kit - Strobe Light  
S = 32.0116 - Harness, Kit - Work Light  
T = 32.0123 - Harness, Kit - Slope Indicator  
  
\*@ = 32.0160 - Harness, Kubota WG972  
" ^ = 32.0159 - Harness, Kawasaki FD851D Fused

----- = \*Black Wire  
\_\_\_\_\_ = White Wire  
|||\_\_\_\_\_ = Ground  
● = Splice or Connection

\* All black wires that are part of the wire harness are part of the ground circuit. However, some components such as lights may be wired where black may be positive.

All other wires colors are as shown

Anything outlined with a blue box is a Standard Feature

Anything outlined with a Green box is a Option

\* Actual wires not labeled on tractor harness

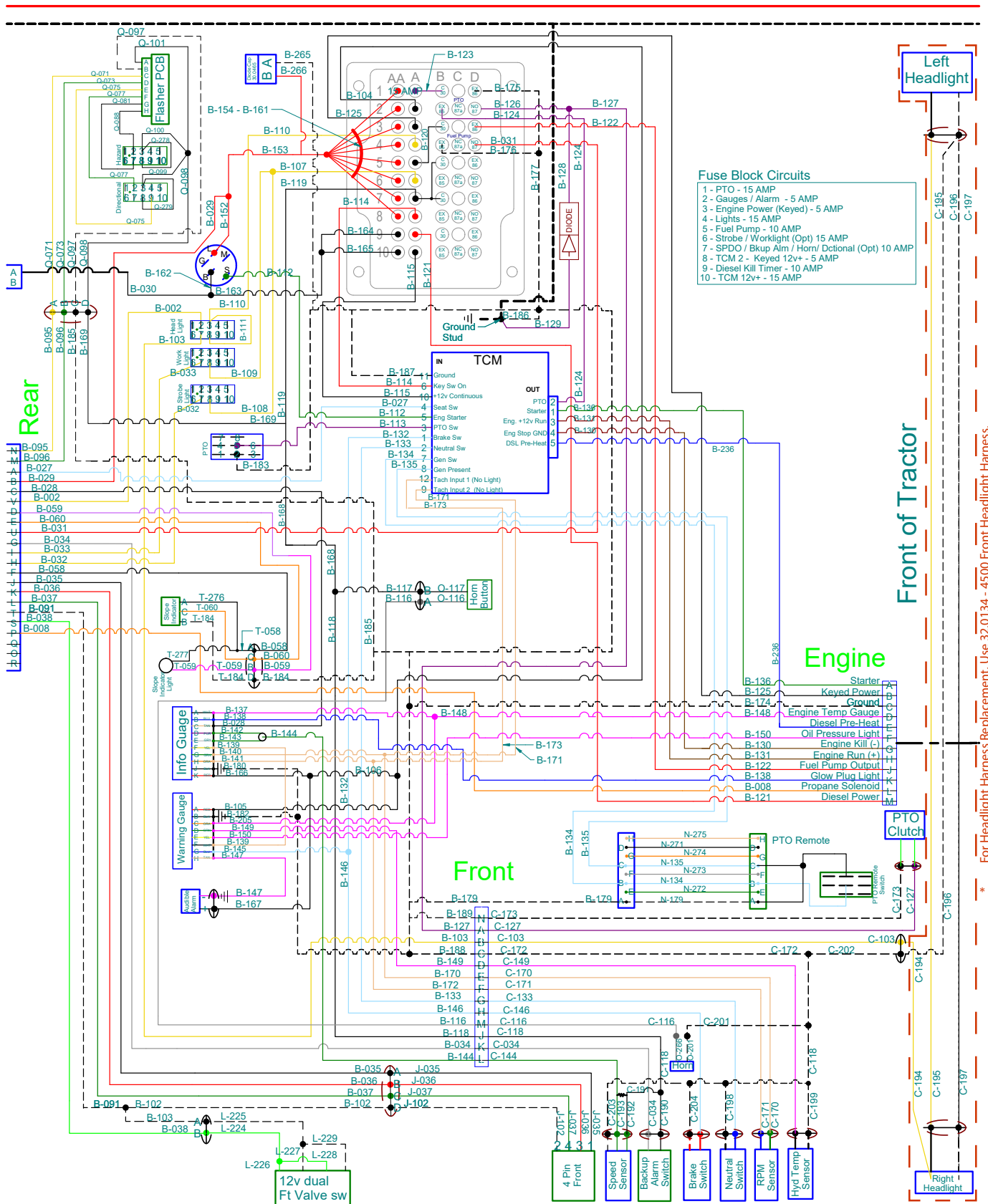
#### Wire Color & Circuit Type

Black = Ground  
Dark Blue = Pre-Heat  
Lt Blue = Safety Circuit  
Brown = Engine Run / Kill  
Gray = 12v Aux / Horn power  
Green = Start/Speed/Directional  
Lt Green = 12 Aux  
Orange = Propane / Slope  
Pink = Alarm  
Purple = PTO  
Red = Power  
Tan = RPM  
White = Power  
Yellow = Light/Directional

## Wiring Diagram - Rear Harness



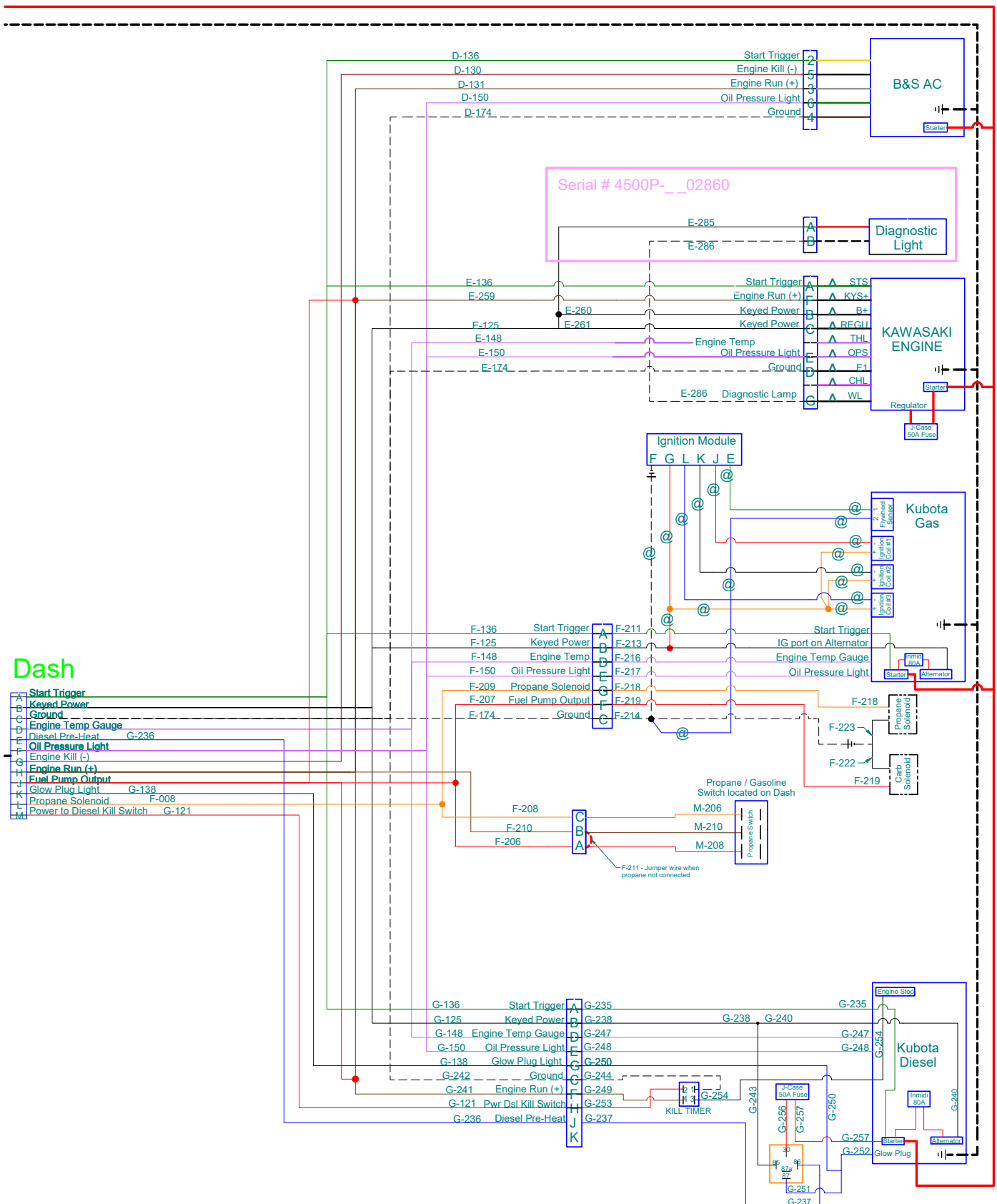
## Wiring Diagram - Front Harness



For Headlight Harness Replacement, Use 32.0134 - 4500 Front Headlight Harness.

# ELECTRICAL

## Wiring Diagram - Engine Harness



# ELECTRICAL

## Wiring Diagram - Optional 30.0219 4-Pin Female Socket & 30.0218 4-Pin Male Plug

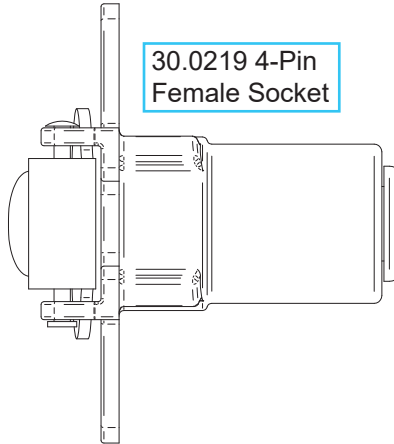
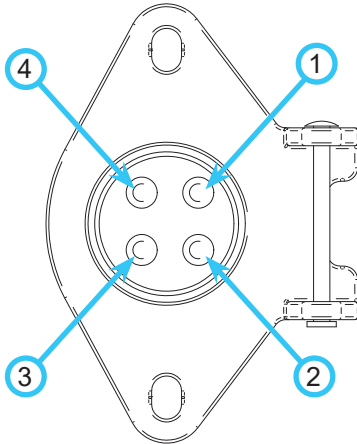


### Attention

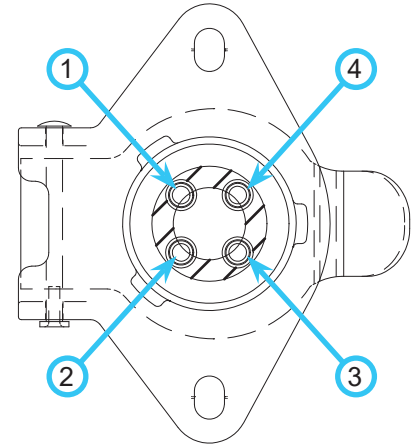
This connector (4-pin socket) is designed for use with Ventrac original equipment only. This connector (4-pin socket) is rated for 20 amp maximum current draw. Engine alternator and/or battery capacity determine allowable continuous draw.

30.0219 4-pin female socket is used in the 70.4104 12 Volt Front kit & 70.4105 12 Volt Rear Kit.

Front View of Socket  
Without Cover



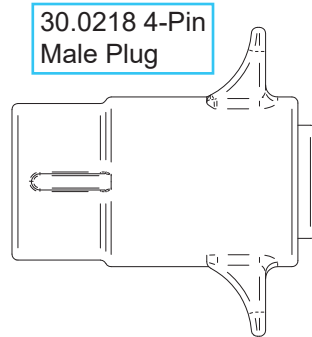
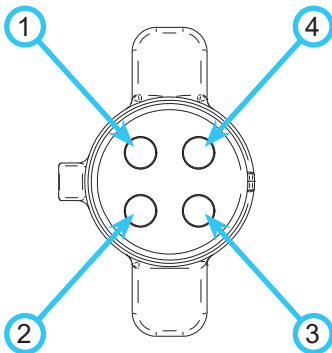
Rear View of Socket



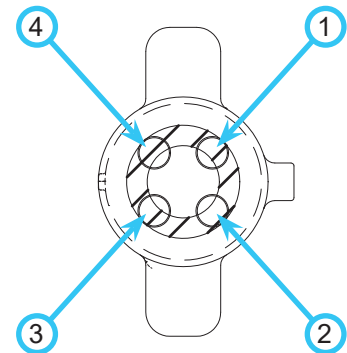
| Terminal Position | Wire Color     | Function                                         |
|-------------------|----------------|--------------------------------------------------|
| 1                 | White          | Positive (On/Off Switched)                       |
| 2                 | Black          | Negative (Constant)                              |
| 3                 | Red            | Positive/Negative (Momentary Switched Reversing) |
| 4                 | Green or Brown | Positive/Negative (Momentary Switched Reversing) |

30.0218 4-pin plug is used on attachments to connect to the 30.0219 socket on the power unit.

Front View of Plug



Rear View of Plug

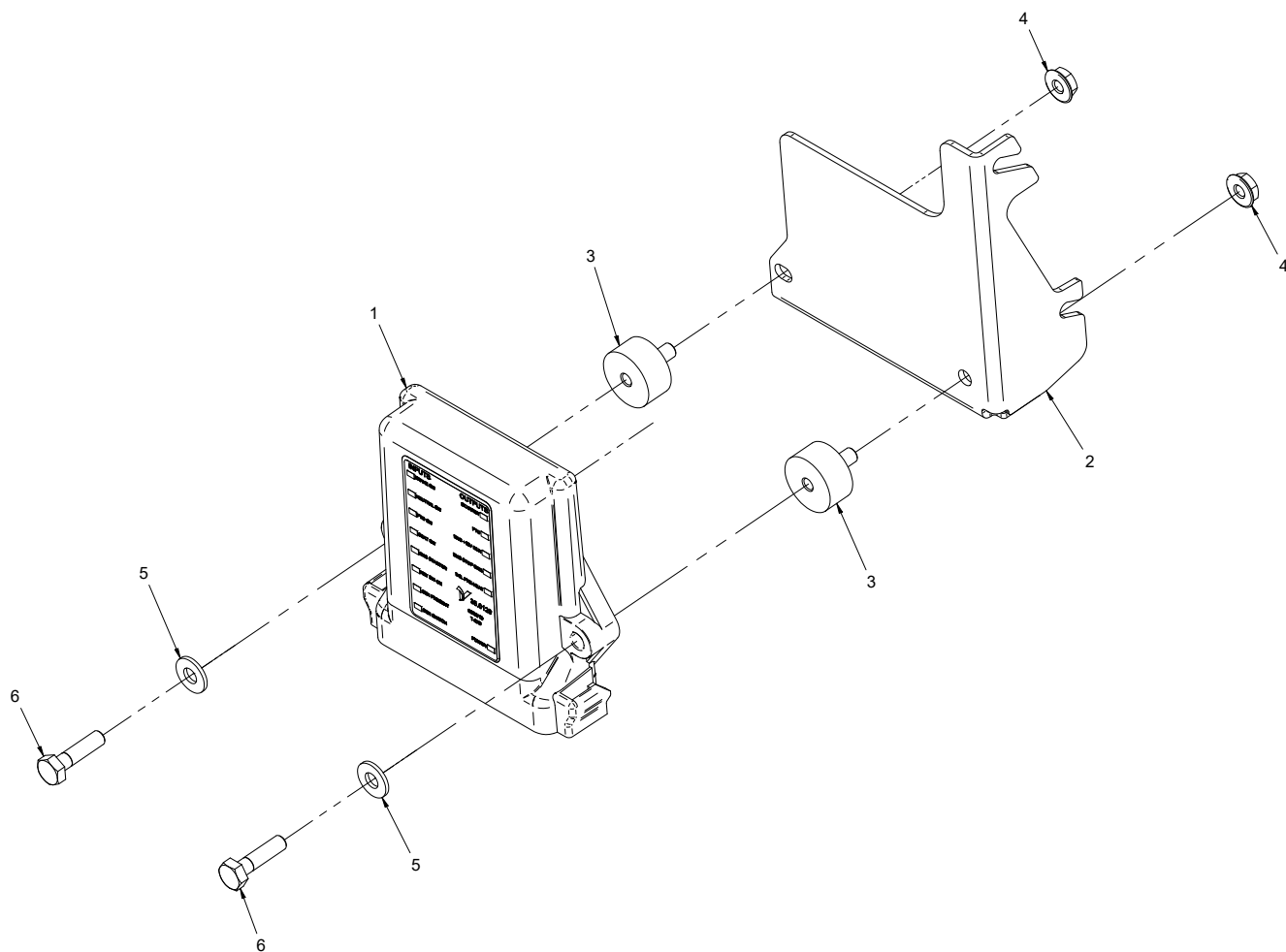


| Terminal Position | Wire Color     | Function                                         |
|-------------------|----------------|--------------------------------------------------|
| 1                 | Not Specified* | Positive (On/Off Switched)                       |
| 2                 | Not Specified* | Negative (Constant)                              |
| 3                 | Not Specified* | Positive/Negative (Momentary Switched Reversing) |
| 4                 | Not Specified* | Positive/Negative (Momentary Switched Reversing) |

\* Refer to the part diagram in the attachment's operator's manual for specific wire color and terminal position for each model.

## ILLUSTRATED DRAWING

### Tractor Control Module





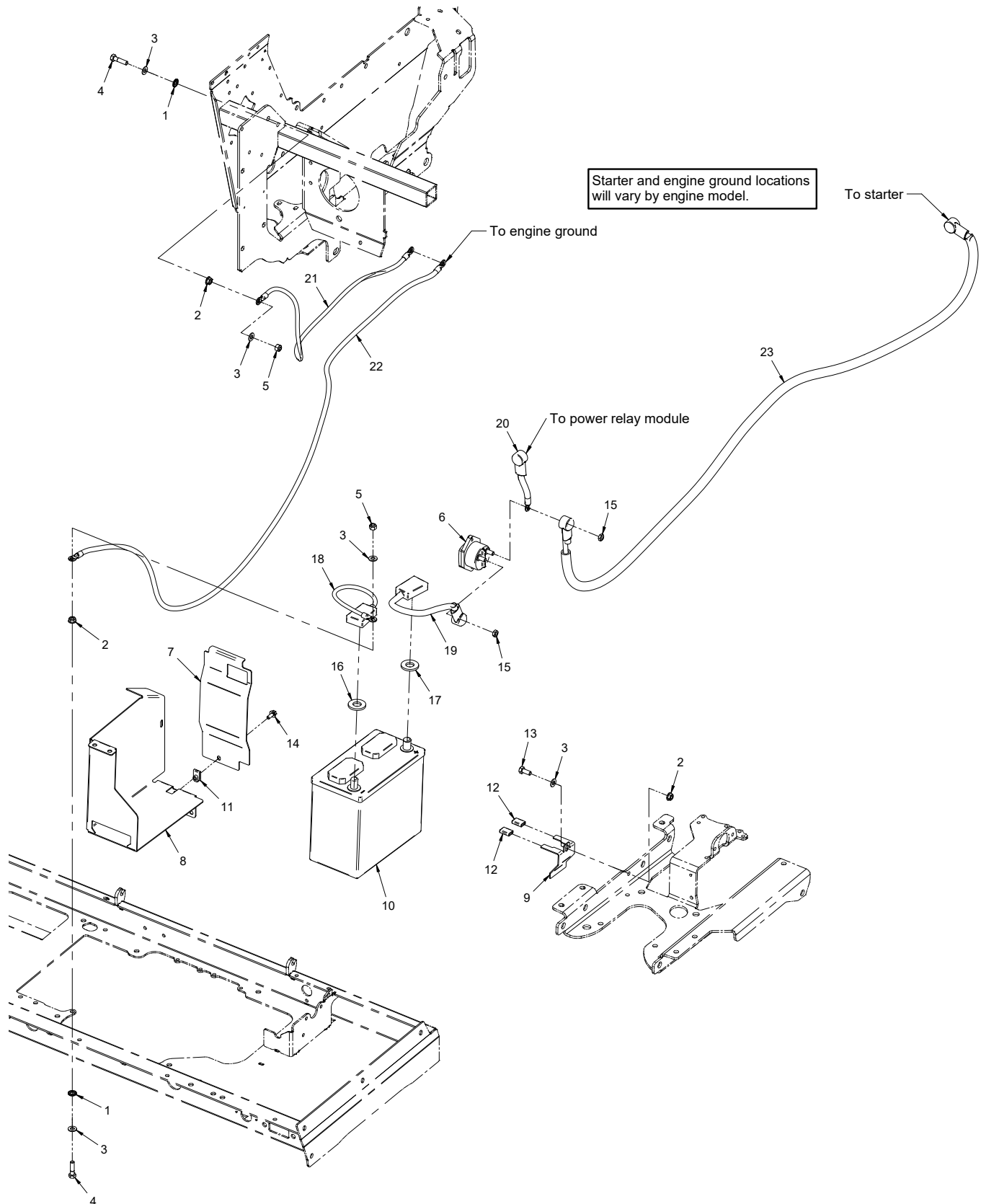
# ELECTRICAL

## Tractor Control Module

| REF. | PART NO. | DESCRIPTION                                    | QTY. |
|------|----------|------------------------------------------------|------|
| 1    | 35.0128  | MODULE, TRACTOR CONTROL (Serial # 01001-02478) | 1    |
| 1    | 35.0146  | MODULE, TRACTOR CONTROL (Serial # 02479-04921) | 1    |
| 1    | 35.0134  | MODULE, TRACTOR CONTROL (Serial # 04922)       | 1    |
| 2    | 64.1690  | BRACKET, TCM                                   | 1    |
| 3    | 05.0135  | ISOLATOR, 1/4-20 X 1/2 X 1" F/M                | 2    |
| 4    | 99.SF04  | NUT, SRF 1/4-20 USS                            | 2    |
| 5    | 95.04    | WASHER, FLAT 1/4 SAE                           | 2    |
| 6    | 90.0408  | BOLT, 1/4-20 USS X 1"                          | 2    |

# ELECTRICAL

## ILLUSTRATED DRAWING Battery, Power Cables, & Ground Cables



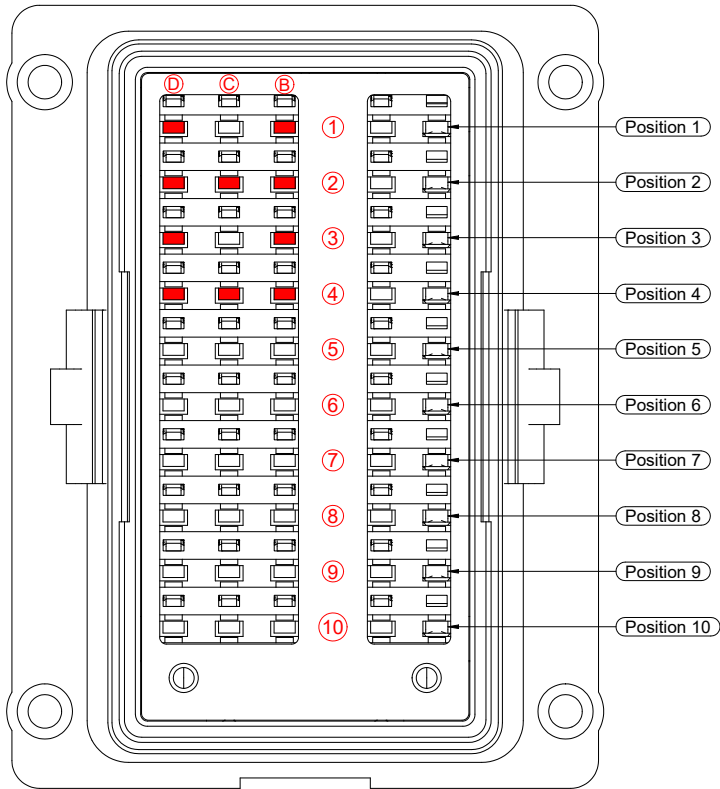
# ELECTRICAL

## Battery, Power Cables, & Ground Cables

| REF. | PART NO.    | DESCRIPTION                   | QTY. |
|------|-------------|-------------------------------|------|
| 1    | 99.G0003    | .WASHER, STAR-EXTERNAL 5/16   | 2    |
| 2    | 99.SF05     | .NUT, SRF 5/16-18 USS         | 3    |
| 3    | 95.05       | .WASHER, FLAT 5/16 SAE        | 5    |
| 4    | 90.0510     | .BOLT, 5/16-18 USS X 1-1/4"   | 2    |
| 5    | 99.A05N     | .LOCKNUT, NYLON 5/16-18 USS   | 2    |
| 6    | 30.0338     | .BREAKER, CIRCUIT 150 AMP     | 1    |
| 7    | 60.1117     | .PANEL, FOOT PLATFORM LEFT    | 1    |
| 8    | 60.1116     | .PANEL, BATTERY COMPARTMENT   | 1    |
| 9    | 64.1593     | .RETAINER, BATTERY HOLD DOWN  | 1    |
| 10   | 33.0060     | .BATTERY, GROUP 51-60         | 1    |
| 11   | 99.E0046    | .NUT, "U" 1/4-20 EXTRUDED     | 1    |
| 12   | 06.0044     | .CAP, PLASTIC 1/8 X 1/2 X 7/8 | 2    |
| 13   | 90.0506     | .BOLT, 5/16-18 USS X 3/4"     | 1    |
| 14   | 99.SF0405-1 | .BOLT, SMF 1/4-20 X 5/8       | 1    |
| 15   | 99.E0060    | .NUT, JAM 5/16-18 USS         | 2    |
| 16   | 05.0122     | .WASHER, ANTI CORROSION BLACK | 1    |
| 17   | 05.0121     | .WASHER, ANTI CORROSION RED   | 1    |
| 18   | 32.0101     | .CABLE, ASM NEG BATTERY 4GA   | 1    |
| 19   | 32.0100     | .CABLE, ASM POS BATTERY 4GA   | 1    |
| 20   | 32.0111     | .CABLE, ASM POS 6 GA          | 1    |
| 21   | 32.0112     | .CABLE, ASM NEG 4GA           | 1    |
| 22   | 32.0103     | .CABLE, ASM NEG 4GA           | 1    |
| 23   | 32.0102     | .CABLE, ASM POS 4GA           | 1    |

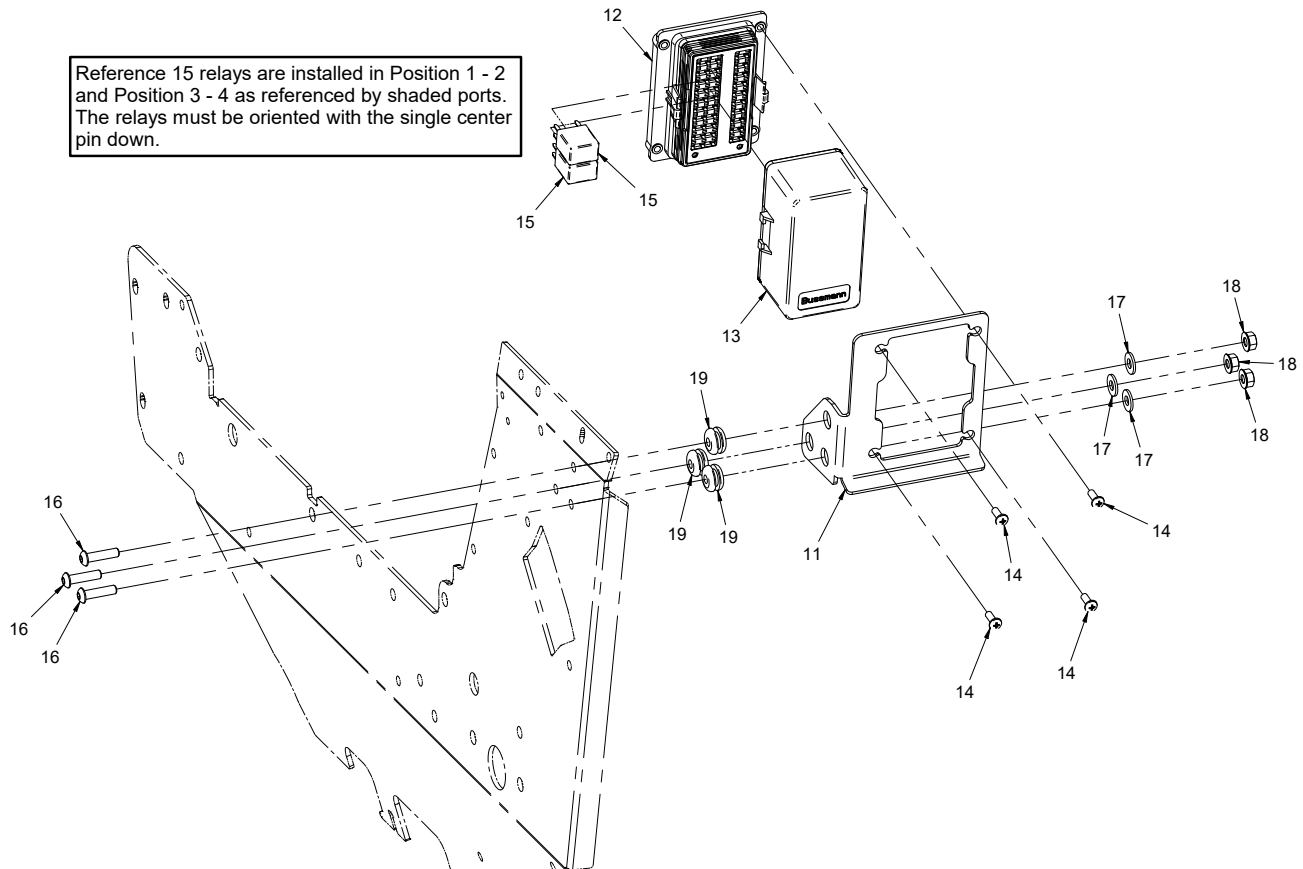
# ELECTRICAL

## ILLUSTRATED DRAWING Front Fuse Panel



| Ref. # / Position   | Circuit                                |
|---------------------|----------------------------------------|
| 1                   | PTO                                    |
| 2                   | Gauges                                 |
| 3                   | Engine                                 |
| 4                   | Lights                                 |
| 5                   | Fuel Pump                              |
| 6*                  | Work / Strobe Light                    |
| 7*                  | Backup Alarm / Horn / Direction Lights |
| 8                   | TCM 1                                  |
| 9^                  | Diesel Stop                            |
| 10                  | TCM 2                                  |
| *Optional Accessory |                                        |
| ^ Diesel Only       |                                        |

Reference 15 relays are installed in Position 1 - 2 and Position 3 - 4 as referenced by shaded ports. The relays must be oriented with the single center pin down.



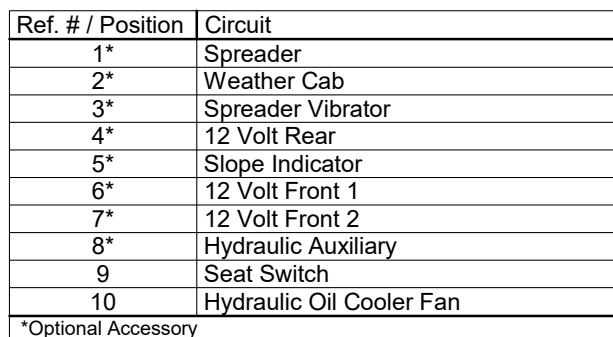
# ELECTRICAL

## Front Fuse Panel

| REF. | PART NO. | DESCRIPTION                     | QTY. |
|------|----------|---------------------------------|------|
| 1    | 30.0334  | .FUSE, 15 AMP MINI BLUE         | 1    |
| 2    | 30.0332  | .FUSE, 5 AMP MINI TAN           | 1    |
| 3    | 30.0332  | .FUSE, 5 AMP MINI TAN           | 1    |
| 4    | 30.0334  | .FUSE, 15 AMP MINI BLUE         | 1    |
| 5    | 30.0333  | .FUSE, 10 AMP MINI RED          | 1    |
| 6    | 30.0334  | .FUSE, 15 AMP MINI BLUE         | 1    |
| 7    | 30.0333  | .FUSE, 10 AMP MINI RED          | 1    |
| 8    | 30.0332  | .FUSE, 5 AMP MINI TAN           | 1    |
| 9    | 30.0333  | .FUSE, 10 AMP MINI RED          | 1    |
| 10   | 30.0334  | .FUSE, 15 AMP MINI BLUE         | 1    |
| 11   | 64.1648  | .BRACKET, FUSE PANEL MOUNT      | 1    |
| 12   | 30.0356  | .FUSE PANEL, MINI NON-BUSSED    | 1    |
| 13   | 30.0331  | .COVER, FUSE PANEL 30.0329      | 1    |
| 14   | 99.K0062 | .MACHINE SCREW, #10-32 X 1/2    | 4    |
| 15   | 35.0117  | .RELAY, 12V 35/20 AMP 280 MICRO | 2    |
| 16   | 99.0408  | .BOLT, 1/4-20 X 1 BSCS          | 3    |
| 17   | 95.04    | .WASHER, FLAT 1/4 SAE           | 3    |
| 18   | 99.E0101 | .NUT, LOCKING FLANGE 1/4-20     | 3    |
| 19   | 05.0146  | .GROMMET, 1/4ID, 3/4OD, 7/16THK | 3    |

## ILLUSTRATED DRAWING

### Rear Fuse Panel



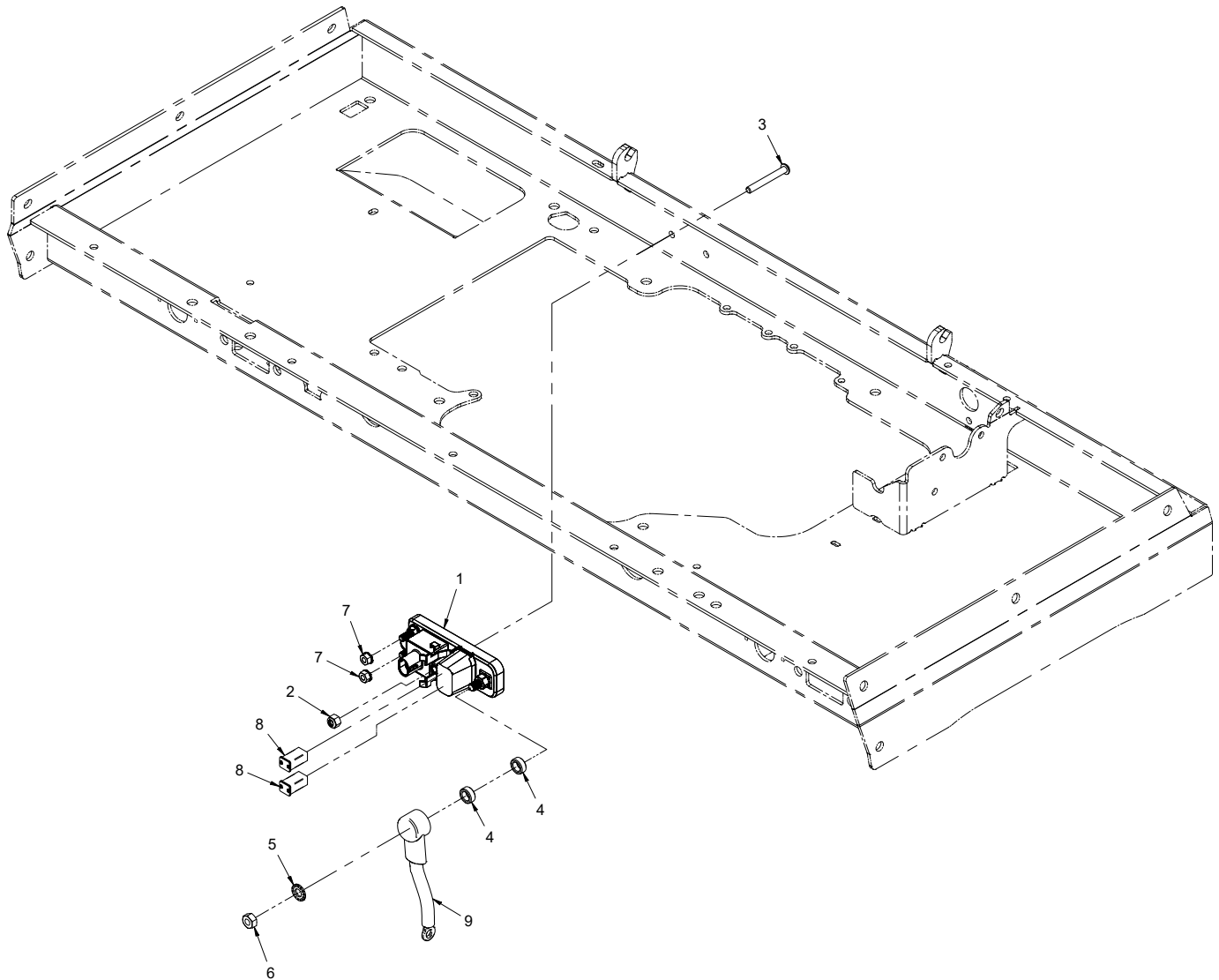
# ELECTRICAL

## Rear Fuse Panel

| REF. | PART NO. | DESCRIPTION                     | QTY. |
|------|----------|---------------------------------|------|
| 1    | 30.0429  | .BREAKER, CIRCUIT 25 AMP MINI   | 1    |
| 2    | 30.0445  | .BREAKER, CIRCUIT 30 AMP MINI   | 1    |
| 3    | 30.0333  | .FUSE, 10 AMP MINI RED.         | 1    |
| 4    | 30.0335  | .FUSE, 20 AMP MINI YELLOW.      | 1    |
| 5    | 30.0332  | .FUSE, 5 AMP MINI TAN           | 1    |
| 6    | 30.0332  | .FUSE, 5 AMP MINI TAN           | 1    |
| 7    | 30.0334  | .FUSE, 15 AMP MINI BLUE.        | 1    |
| 8    | 30.0333  | .FUSE, 10 AMP MINI RED.         | 1    |
| 9    | 30.0332  | .FUSE, 5 AMP MINI TAN           | 1    |
| 10   | 30.0429  | .BREAKER, CIRCUIT 25 AMP MINI   | 1    |
| 11   | 30.0356  | .FUSE PANEL, MINI NON-BUSSED    | 1    |
| 12   | 30.0331  | .COVER, FUSE PANEL 30.0329      | 1    |
| 13   | 99.K0062 | .MACHINE SCREW, #10-32 X 1/2.   | 4    |
| 14   | 35.0117  | .RELAY, 12V 35/20 AMP 280 MICRO | 1    |

# ELECTRICAL

## ILLUSTRATED DRAWING Power Relay Module





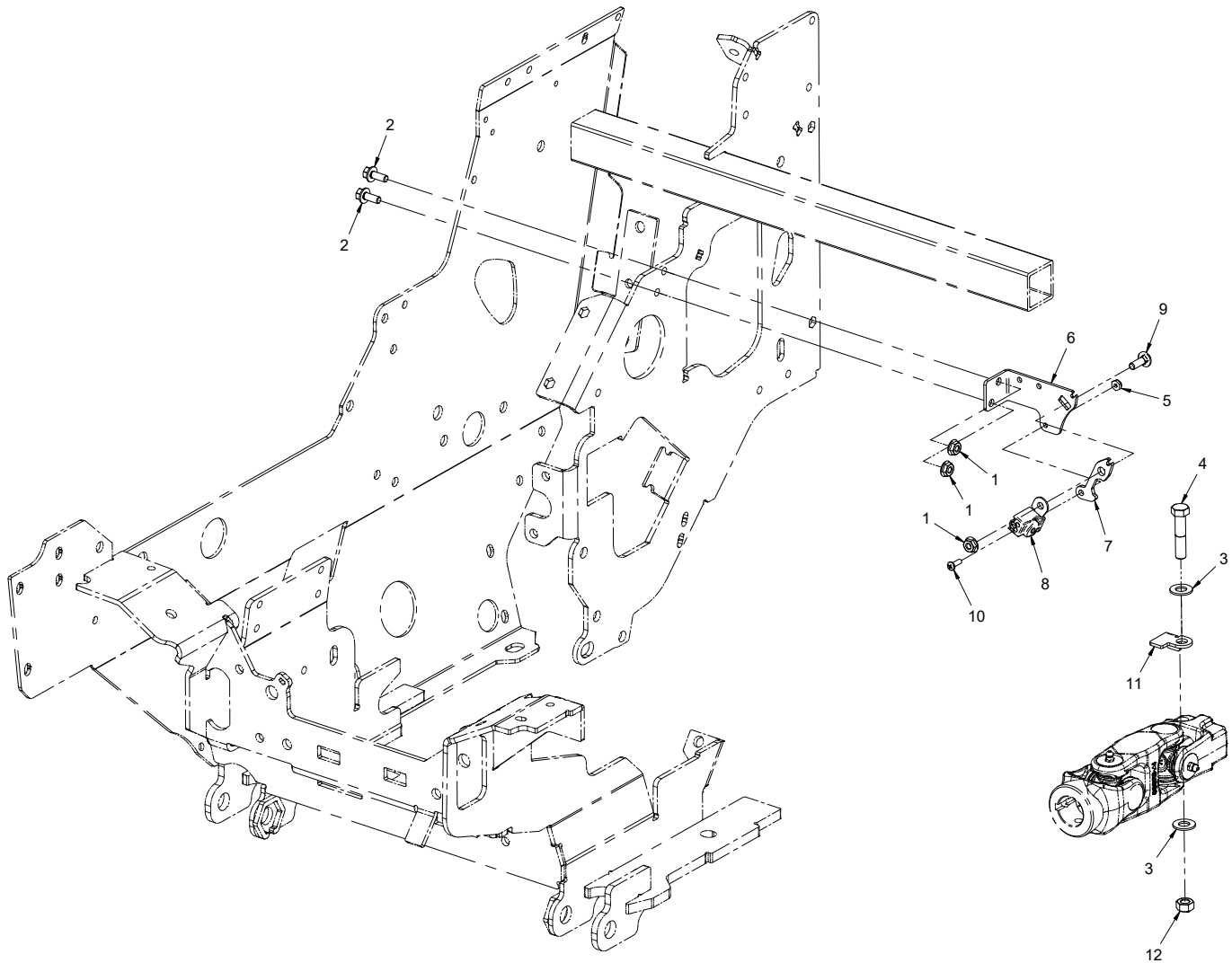
# ELECTRICAL

## Power Relay Module

| REF. | PART NO. | DESCRIPTION                  | QTY. |
|------|----------|------------------------------|------|
| 1    | 30.0339  | .MODULE, POWER RELAY         | 1    |
| 2    | 99.A04N  | .LOCKNUT, NYLON 1/4-20       | 1    |
| 3    | 99.0416  | .BOLT, 1/4-20 X 2 BSCS       | 1    |
| 4    | 64.0602  | .BUSHING, 3/8 X 5/8 X .265   | 2    |
| 5    | 99.G0003 | .WASHER, STAR-EXTERNAL 5/16  | 1    |
| 6    | 99.M0008 | .NUT, M8 X 1.25MM ZP         | 1    |
| 7    | 99.M0029 | .NUT, M6 X 1.0 W/LOCK WASHER | 2    |
| 8    | 30.0374  | .FUSE, 50A J-CASE ORANGE     | 2    |
| 9    | 32.0111  | .CABLE, ASM POS 6 GA.        | 1    |

# ELECTRICAL

## ILLUSTRATED DRAWING RPM Sensor



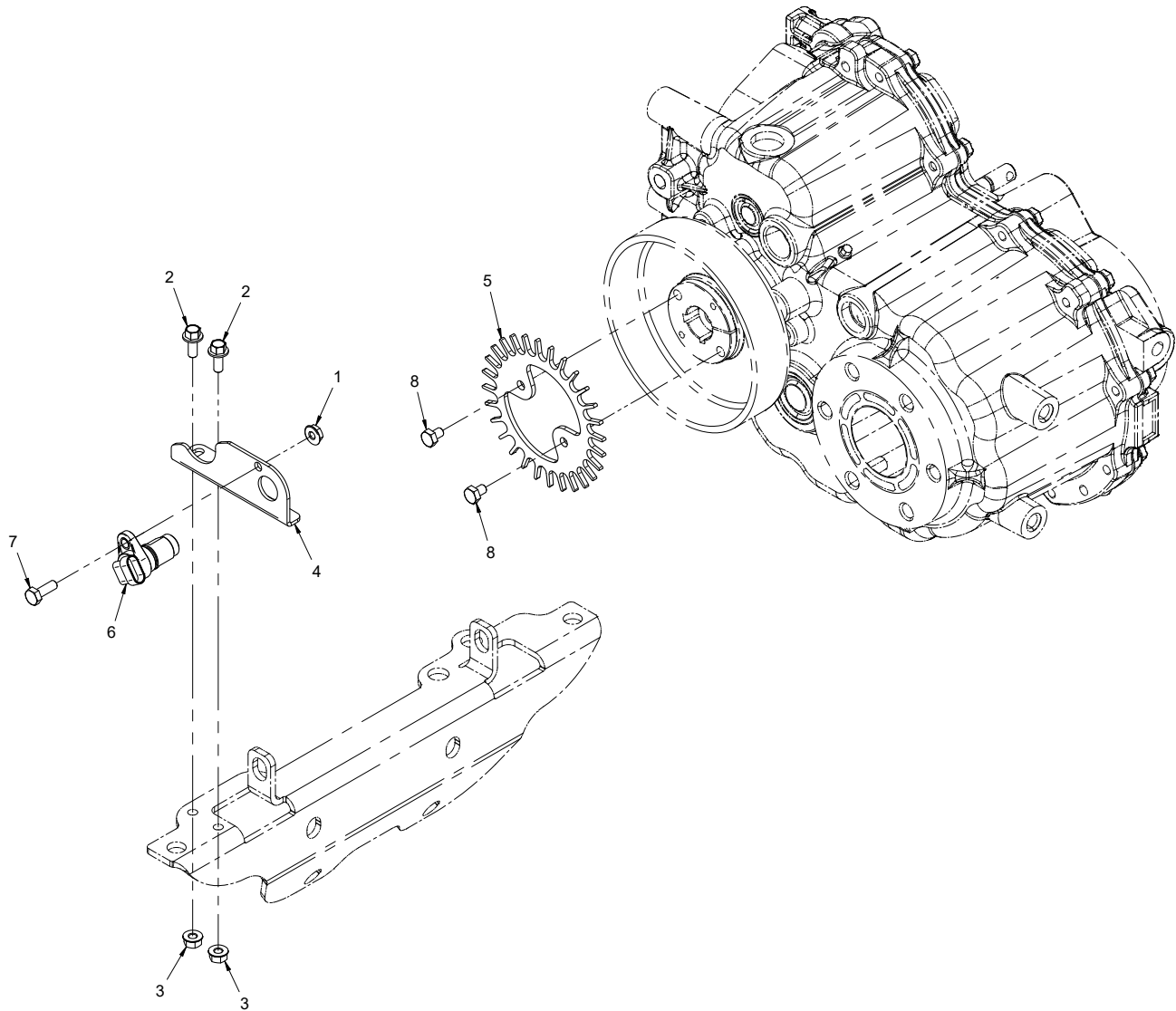
# ELECTRICAL

## RPM Sensor

| REF. | PART NO.    | DESCRIPTION                     | QTY. |
|------|-------------|---------------------------------|------|
| 1    | 99.SF04     | .NUT, SRF 1/4-20 USS            | 3    |
| 2    | 99.SF0405-1 | .BOLT, SMF 1/4-20 X 5/8         | 2    |
| 3    | 95.06       | .WASHER, FLAT 3/8 SAE           | 2    |
| 4    | 90.0614     | .BOLT, 3/8-16 USS X 1-3/4       | 1    |
| 5    | 99.E0062    | .NUT, SRF #8-32                 | 1    |
| 6    | 64.1653     | .BRACKET, RPM SENSOR MOUNT      | 1    |
| 7    | 64.1655     | .PLATE, TACH RPM SENSOR SPACER  | 1    |
| 8    | 13.0162     | .TRIGGER, IGNITION              | 1    |
| 9    | 97.0406     | .BOLT, CARRIAGE 1/4 X 3/4       | 1    |
| 10   | 99.K0041    | .MACHINE SCREW, #8-32 X 1/2     | 1    |
| 11   | 64.1654     | .PLATE, DRIVESHAFT TACH TRIGGER | 1    |
| 12   | 99.A06      | .LOCKNUT, STOVER 3/8-16 USS     | 1    |

# ELECTRICAL

## ILLUSTRATED DRAWING Speedometer Sensor



# ELECTRICAL

## Speedometer Sensor

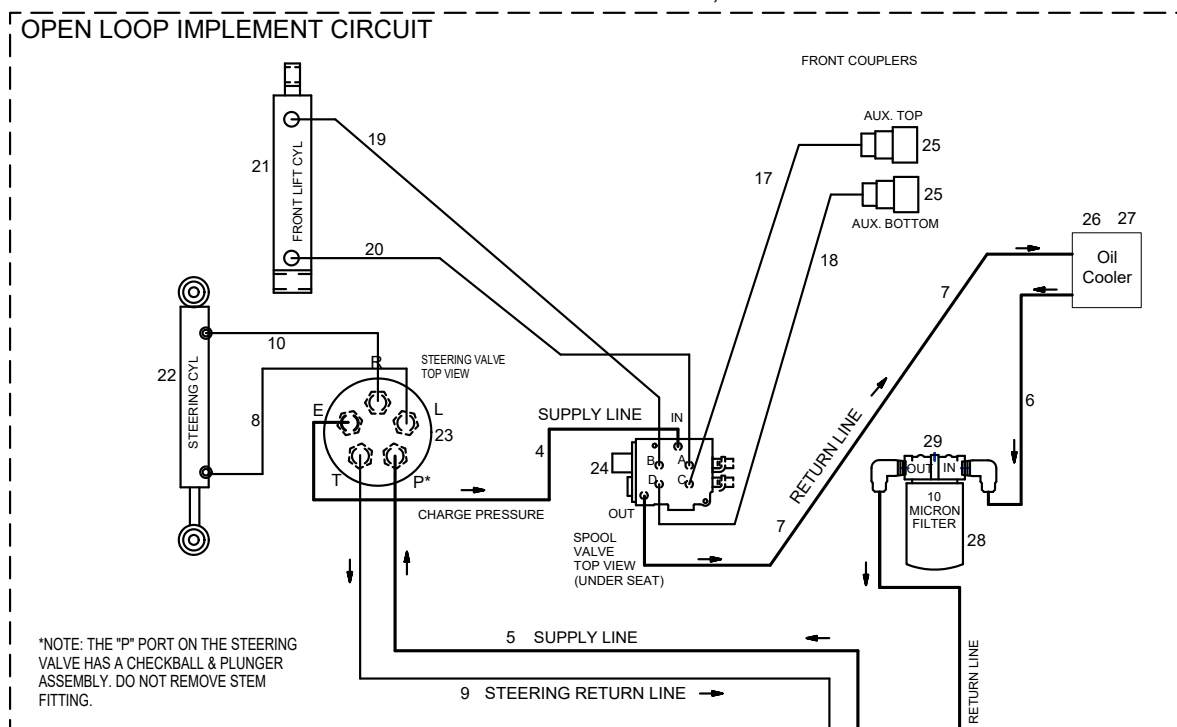
| REF. | PART NO.    | DESCRIPTION                  | QTY. |
|------|-------------|------------------------------|------|
| 1    | 99.SF04     | .NUT, SRF 1/4-20 USS.        | 1    |
| 2    | 99.SF0405-1 | .BOLT, SMF 1/4-20 X 5/8      | 2    |
| 3    | 99.E0101    | .NUT, LOCKING FLANGE 1/4-20  | 2    |
| 4    | 64.1604     | .BRACKET, SPEED SENSOR MOUNT | 1    |
| 5    | 64.1606     | .PLATE, SPEED INDICATOR      | 1    |
| 6    | 35.0121     | .SENSOR, GEAR TOOTH SPEED    | 1    |
| 7    | 90.0406     | .BOLT, 1/4-20 USS X 3/4"     | 1    |
| 8    | 90.0403     | .BOLT, 1/4-20 USS X 3/8      | 2    |

## ILLUSTRATED DRAWING

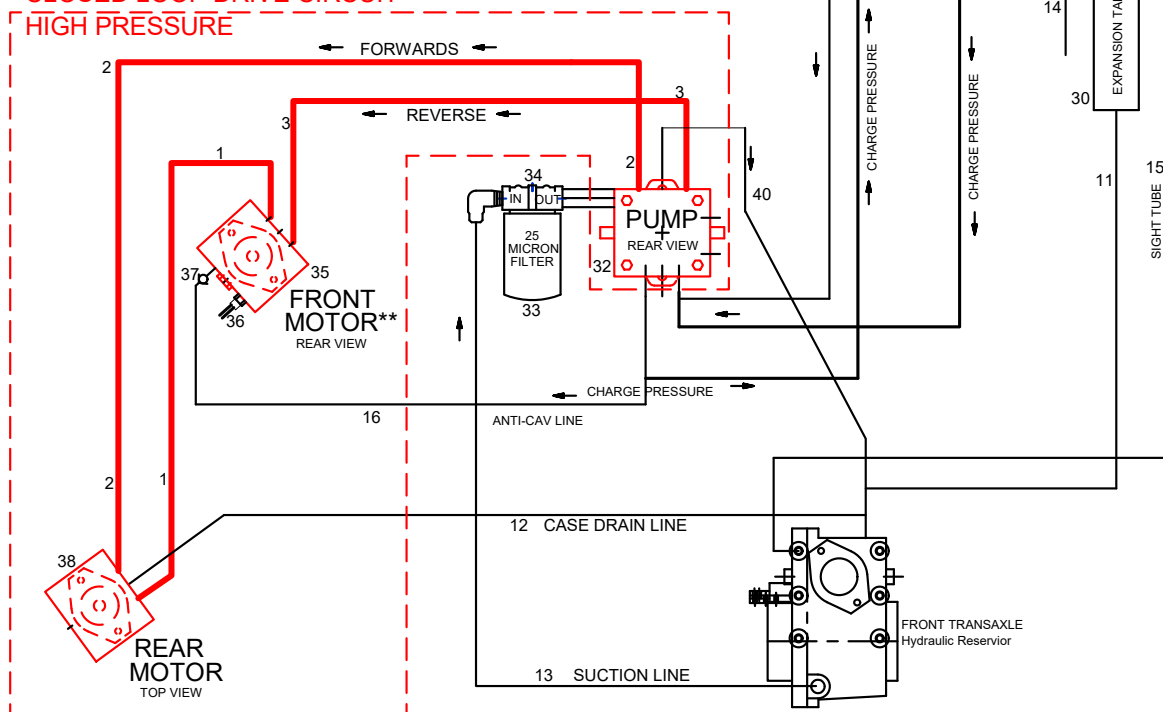
### Hydraulic Diagram

ALL VIEWS ARE FROM REAR OF TRACTOR, OR AS NOTED

## OPEN LOOP IMPLEMENT CIRCUIT



## CLOSED LOOP DRIVE CIRCUIT^ HIGH PRESSURE



**\*IF ANY PART OF THE CLOSED LOOP HYDROSTATIC DRIVE CIRCUIT (PUMP, FRONT DRIVE MOTOR, REAR DRIVE MOTOR, OR ANY OF THE THREE 1/2" HYDRAULIC LINES CONNECTING THEM TOGETHER) IS SERVICED OR REPLACED, THE VENTRAC CLOSED LOOP DRIVE CIRCUIT FLTRATION PROCEDURE MUST BE PERFORMED. THIS PROCEDURE REQUIRES A SPECIAL VENTRAC REMOTE FILTERING TOOL (KIT # 70.012) AND MUST BE PERFORMED BY A VENTRAC AUTHORIZED TECHNICIAN. FAILURE TO PERFORM THIS FILTERING PROCEDURE FOLLOWING A REPAIR CAN RESULT IN COMPONENT AND/OR COMPLETE SYSTEM FAILURE AND MAY VOID WARRANTY.**

**\*\*NOTE: THE FRONT TRANSAXLE IS PART OF THE HYDRAULIC SYSTEM, SO THE FRONT MOTOR MUST HAVE THE SEAL REMOVED. THE REAR TRANSAXLE IS SEPARATE FROM THE HYDRAULIC SYSTEM, SO THE SHAFT SEAL IN THE REAR MOTOR MUST NOT BE REMOVED.**

# HYDRAULICS, AXLES, & WHEELS

## Hydraulic Diagram

| REF. | PART NO.       | DESCRIPTION                     | QTY. |
|------|----------------|---------------------------------|------|
| 1    | 20.0295        | .HOSE, 1/2X55.00 SS BRAID PTFE  | 1    |
| 2    | 20.0296        | .HOSE, 1/2X74.50 SS BRAID PTFE  | 1    |
| 3    | 20.0297        | .HOSE, 1/2X18.38 SS BRAID PTFE  | 1    |
| 4    | 20.0298        | .HOSE, 3/8X56.00 SAE 100R17 AR  | 1    |
| 5    | 20.0155        | .HOSE, 3/8X19.00 SAE 100R17AR   | 1    |
| 6    | 20.0300        | .HOSE, 3/8X69.00 SAE 100R17 AR  | 1    |
| 7    | 20.0299        | .HOSE, 3/8X32.00 SAE 100R17 AR  | 1    |
| 8    | 20.0122        | .HOSE, 1/4X43.00 SAE 100R17AR   | 1    |
| 9    | 20.0123        | .HOSE, 1/4X19.50 SAE 100R17AR   | 1    |
| 10   | 20.0136        | .HOSE, 1/4X36.00 SAE 100R17AR   | 1    |
| 11   | 22.0052        | .HOSE, 1/2X22.00 PLK 250PSI CPE | 1    |
| 12   | 22.0058        | .HOSE, 3/8X54.00 PLK 250PSI CPE | 1    |
| 13   | 22.0050        | .HOSE, 3/4X22.00 PLK 250PSI CPE | 1    |
| 14   | 27.F04-30IN    | .HOSE, FUEL LINE 1/4 X 30"      | 1    |
| 15   | 27.T06-3-36IN. | .TUBE, SILICON 3/8" ID X 36"    | 1    |
| 16   | 20.0304        | .HOSE, 1/4X20.50 SAE 100R17 AR  | 1    |
| 17   | 20.0303        | .HOSE, 1/4X58.00 SAE 100R17 AR  | 1    |
| 18   | 20.0303        | .HOSE, 1/4X58.00 SAE 100R17 AR  | 1    |
| 19   | 20.0303        | .HOSE, 1/4X58.00 SAE 100R17 AR  | 1    |
| 20   | 20.0302        | .HOSE, 1/4X48.00 SAE 100R17 AR  | 1    |
| 21   | 23.0156        | .CYLINDER, 2-1/4" X 7" LIFT     | 1    |
| 22   | 23.0145        | .CYLINDER, 1-3/4" X 8 STEERING  | 1    |
| 23   | 23.0113        | .VALVE, STEERING-DANFOSS 100CC. | 1    |
| 24   | 23.0111-1      | .VALVE, HY 2 SPL W/LH FLT,RH SP | 1    |
| 25   | 23.0106        | .COUPLER, QUICK FEMALE 1/4      | 2    |
| 26   | 21.0121        | .COOLER, HYDRAULIC              | 1    |
| 27   | 13.0239        | .SWITCH, TEMPERATURE            | 1    |
| 28   | 21.0124        | .FILTER, HYD. 10 MICRON CEL     | 1    |
| 29   | 21.0123        | .FILTER, HEAD 06 ORB            | 1    |
| 30   | 47.0315        | .TANK, OIL                      | 1    |
| 31   | 47.0319        | .CAP, COOLANT RECOVERY TANK     | 1    |
| 32   | 21.0080        | .PUMP, HYDRAULIC                | 1    |
| 33   | 21.0122        | .FILTER, HYD. 25 MICRON SYN     | 1    |
| 34   | 21.0119        | .FILTER, HEAD -10 ORB PORTS     | 1    |
| 35   | 21.0081**      | .MOTOR, HYD. SUNDSTRAND         | 1    |
| 36   | 13.0254        | .SWITCH, TEMP -08 SAE ORB       | 1    |
| 37   | 23.0159        | .VALVE, CHECK VONBERG           | 1    |
| 38   | 21.0081**      | .MOTOR, HYD. SUNDSTRAND         | 1    |
| 39   | 20.0301        | .HOSE, 3/8X20.00 SAE 100R17 AR  | 1    |
| 40   | 22.0059        | .HOSE, 1/2X17.00 PLK 250PSI CPE | 1    |

\*\*When replacing the front motor, the shaft seal must be removed.

When replacing the rear motor, the shaft seal MUST NOT be removed.

# HYDRAULICS, AXLES, & WHEELS

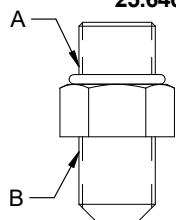
## O-Ring Chart

| Straight Thread O-Ring Boss - O-Ring Replacement Part Numbers |             |            |        |        |        |               |
|---------------------------------------------------------------|-------------|------------|--------|--------|--------|---------------|
| SAE Fitting Size                                              | Thread Size | VPI Part # | ID     | OD     | Width  | AS568A Dash # |
| -04                                                           | 7/16-20     | 26.0035    | 0.351" | 0.495" | 0.072" | 904           |
| -06                                                           | 9/16-18     | 26.0036    | 0.468" | 0.624" | 0.078" | 906           |
| -08                                                           | 3/4-16      | 26.0037    | 0.644" | 0.818" | 0.087" | 908           |
| -10                                                           | 7/8-14      | 26.0038    | 0.755" | 0.949" | 0.097" | 910           |
| -12                                                           | 1-1/16-12   | 26.0039    | 0.924" | 1.156" | 0.116" | 912           |
| -16                                                           | 1-5/16-12   | 26.0043    | 1.171" | 1.403" | 0.116" | 916           |

| O-Ring Face Seal Hose - O-Ring Replacement Part Numbers |             |            |        |        |        |               |
|---------------------------------------------------------|-------------|------------|--------|--------|--------|---------------|
| SAE Fitting Size                                        | Thread Size | VPI Part # | ID     | OD     | Width  | AS568A Dash # |
| -04                                                     | 9/16-18     | 26.0044    | 0.301" | 0.441" | 0.070" | 011           |
| -06                                                     | 11/16-16    | 26.0025    | 0.364" | 0.504" | 0.070" | 012           |
| -08                                                     | 13/16-16    | 26.0009    | 0.489" | 0.629" | 0.070" | 014           |
| -10                                                     | 1-14        | 26.0023    | 0.614" | 0.754" | 0.070" | 016           |
| -12                                                     | 1-3/16-12   | 26.0045    | 0.739" | 0.879" | 0.070" | 018           |
| -16                                                     | 1-7/16-12   | 26.0046    | 0.926" | 1.066" | 0.070" | 021           |

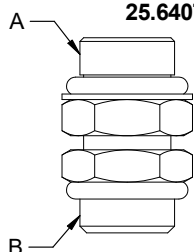
## Fitting Chart

25.6400-(xx)-(xx) Fitting



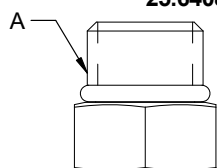
| Fitting End A    |             | O-Ring        |            | Fitting End B    |             | O-Ring        |            |
|------------------|-------------|---------------|------------|------------------|-------------|---------------|------------|
| SAE Fitting Size | Thread Size | AS568A Dash # | VPI Part # | SAE Fitting Size | Thread Size | AS568A Dash # | VPI Part # |
| -04              | 7/16-20     | 904           | 26.0035    | -04              | 7/16-20     | -             | -          |
| -06              | 9/16-18     | 906           | 26.0036    | -06              | 9/16-18     | -             | -          |
| -08              | 3/4-16      | 908           | 26.0037    | -08              | 3/4-16      | -             | -          |
| -10              | 7/8-14      | 910           | 26.0038    | -10              | 7/8-14      | -             | -          |
| -12              | 1-1/16-12   | 912           | 26.0039    | -12              | 1-1/16-12   | -             | -          |
| -16              | 1-5/16-12   | 916           | 26.0043    | -16              | 1-5/16-12   | -             | -          |

25.6407-(xx)-(xx) Fitting



| Fitting End A    |             | O-Ring        |            | Fitting End B    |             | O-Ring        |            |
|------------------|-------------|---------------|------------|------------------|-------------|---------------|------------|
| SAE Fitting Size | Thread Size | AS568A Dash # | VPI Part # | SAE Fitting Size | Thread Size | AS568A Dash # | VPI Part # |
| -04              | 7/16-20     | 904           | 26.0035    | -04              | 7/16-20     | 904           | 26.0035    |
| -06              | 9/16-18     | 906           | 26.0036    | -06              | 9/16-18     | 906           | 26.0036    |
| -08              | 3/4-16      | 908           | 26.0037    | -08              | 3/4-16      | 908           | 26.0037    |
| -10              | 7/8-14      | 910           | 26.0038    | -10              | 7/8-14      | 910           | 26.0038    |
| -12              | 1-1/16-12   | 912           | 26.0039    | -12              | 1-1/16-12   | 912           | 26.0039    |
| -16              | 1-5/16-12   | 916           | 26.0043    | -16              | 1-5/16-12   | 916           | 26.0043    |

25.6408-(xx) Plug



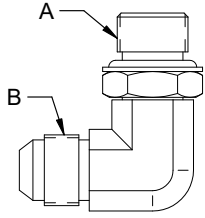
| Fitting End A    |             | O-Ring        |            |
|------------------|-------------|---------------|------------|
| SAE Fitting Size | Thread Size | AS568A Dash # | VPI Part # |
| -04              | 7/16-20     | 904           | 26.0035    |
| -06              | 9/16-18     | 906           | 26.0036    |
| -08              | 3/4-16      | 908           | 26.0037    |
| -10              | 7/8-14      | 910           | 26.0038    |
| -12              | 1-1/16-12   | 912           | 26.0039    |
| -16              | 1-5/16-12   | 916           | 26.0043    |



# HYDRAULICS, AXLES, & WHEELS

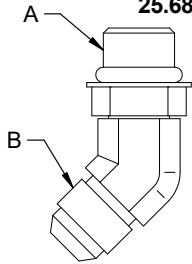
## Fitting Chart

**25.6801-(xx)-(xx) Fitting**



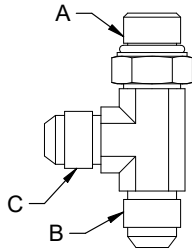
| Fitting End A    |             | O-Ring        |            | Fitting End B    |             | O-Ring        |            |
|------------------|-------------|---------------|------------|------------------|-------------|---------------|------------|
| SAE Fitting Size | Thread Size | AS568A Dash # | VPI Part # | SAE Fitting Size | Thread Size | AS568A Dash # | VPI Part # |
| -04              | 7/16-20     | 904           | 26.0035    | -04              | 7/16-20     | -             | -          |
| -06              | 9/16-18     | 906           | 26.0036    | -06              | 9/16-18     | -             | -          |
| -08              | 3/4-16      | 908           | 26.0037    | -08              | 3/4-16      | -             | -          |
| -10              | 7/8-14      | 910           | 26.0038    | -10              | 7/8-14      | -             | -          |
| -12              | 1-1/16-12   | 912           | 26.0039    | -12              | 1-1/16-12   | -             | -          |
| -16              | 1-5/16-12   | 916           | 26.0043    | -16              | 1-5/16-12   | -             | -          |

**25.6802-(xx)-(xx) Fitting**



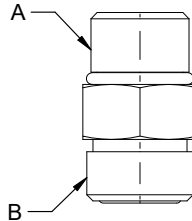
| Fitting End A    |             | O-Ring        |            | Fitting End B    |             | O-Ring        |            |
|------------------|-------------|---------------|------------|------------------|-------------|---------------|------------|
| SAE Fitting Size | Thread Size | AS568A Dash # | VPI Part # | SAE Fitting Size | Thread Size | AS568A Dash # | VPI Part # |
| -04              | 7/16-20     | 904           | 26.0035    | -04              | 7/16-20     | -             | -          |
| -06              | 9/16-18     | 906           | 26.0036    | -06              | 9/16-18     | -             | -          |
| -08              | 3/4-16      | 908           | 26.0037    | -08              | 3/4-16      | -             | -          |
| -10              | 7/8-14      | 910           | 26.0038    | -10              | 7/8-14      | -             | -          |
| -12              | 1-1/16-12   | 912           | 26.0039    | -12              | 1-1/16-12   | -             | -          |
| -16              | 1-5/16-12   | 916           | 26.0043    | -16              | 1-5/16-12   | -             | -          |

**25.6804-(x)-(x)-(x) Fitting**



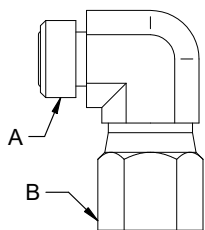
| Fitting End A    |             | O-Ring        |            | Fitting End B & C |             | O-Ring        |            |
|------------------|-------------|---------------|------------|-------------------|-------------|---------------|------------|
| SAE Fitting Size | Thread Size | AS568A Dash # | VPI Part # | SAE Fitting Size  | Thread Size | AS568A Dash # | VPI Part # |
| -04              | 7/16-20     | 904           | 26.0035    | -04               | 7/16-20     | -             | -          |
| -06              | 9/16-18     | 906           | 26.0036    | -06               | 9/16-18     | -             | -          |
| -08              | 3/4-16      | 908           | 26.0037    | -08               | 3/4-16      | -             | -          |
| -10              | 7/8-14      | 910           | 26.0038    | -10               | 7/8-14      | -             | -          |
| -12              | 1-1/16-12   | 912           | 26.0039    | -12               | 1-1/16-12   | -             | -          |
| -16              | 1-5/16-12   | 916           | 26.0043    | -16               | 1-5/16-12   | -             | -          |

**25.FF6400-(xx)-(xx) Fitting**



| Fitting End A    |             | O-Ring        |            | Fitting End B    |             | O-Ring        |            |
|------------------|-------------|---------------|------------|------------------|-------------|---------------|------------|
| SAE Fitting Size | Thread Size | AS568A Dash # | VPI Part # | SAE Fitting Size | Thread Size | AS568A Dash # | VPI Part # |
| -04              | 7/16-20     | 904           | 26.0035    | -04              | 9/16-18     | 011           | 26.0044    |
| -06              | 9/16-18     | 906           | 26.0036    | -06              | 11/16-16    | 012           | 26.0025    |
| -08              | 3/4-16      | 908           | 26.0037    | -08              | 13/16-16    | 014           | 26.0009    |
| -10              | 7/8-14      | 910           | 26.0038    | -10              | 1-14        | 016           | 26.0023    |
| -12              | 1-1/16-12   | 912           | 26.0039    | -12              | 1-3/16-12   | 018           | 26.0045    |
| -16              | 1-5/16-12   | 916           | 26.0043    | -16              | 1-7/16-12   | 021           | 26.0046    |

**25.FF6500-(xx)-(xx) Fitting**

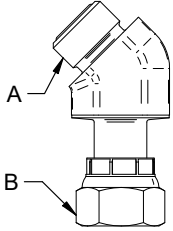


| Fitting End A    |             | O-Ring        |            | Fitting End B    |             | O-Ring        |            |
|------------------|-------------|---------------|------------|------------------|-------------|---------------|------------|
| SAE Fitting Size | Thread Size | AS568A Dash # | VPI Part # | SAE Fitting Size | Thread Size | AS568A Dash # | VPI Part # |
| -04              | 9/16-18     | 011           | 26.0044    | -04              | 9/16-18     | -             | -          |
| -06              | 11/16-16    | 012           | 26.0025    | -06              | 11/16-16    | -             | -          |
| -08              | 13/16-16    | 014           | 26.0009    | -08              | 13/16-16    | -             | -          |
| -10              | 1-14        | 016           | 26.0023    | -10              | 1-14        | -             | -          |
| -12              | 1-3/16-12   | 018           | 26.0045    | -12              | 1-3/16-12   | -             | -          |
| -16              | 1-7/16-12   | 021           | 26.0046    | -16              | 1-7/16-12   | -             | -          |

# HYDRAULICS, AXLES, & WHEELS

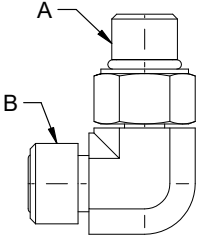
## Fitting Chart

**25.FF6502-(xx)-(xx) Fitting**



| Fitting End A    |             | O-Ring        |            | Fitting End B    |             | O-Ring        |            |
|------------------|-------------|---------------|------------|------------------|-------------|---------------|------------|
| SAE Fitting Size | Thread Size | AS568A Dash # | VPI Part # | SAE Fitting Size | Thread Size | AS586A Dash # | VPI Part # |
| -04              | 9/16-18     | 011           | 26.0044    | -04              | 9/16-18     | -             | -          |
| -06              | 11/16-16    | 012           | 26.0025    | -06              | 11/16-16    | -             | -          |
| -08              | 13/16-16    | 014           | 26.0009    | -08              | 13/16-16    | -             | -          |
| -10              | 1-14        | 016           | 26.0023    | -10              | 1-14        | -             | -          |
| -12              | 1-3/16-12   | 018           | 26.0045    | -12              | 1-3/16-12   | -             | -          |
| -16              | 1-7/16-12   | 021           | 26.0046    | -16              | 1-7/16-12   | -             | -          |

**25.FF6801-(xx)-(xx) Fitting**



| Fitting End A    |             | O-Ring        |            | Fitting End B    |             | O-Ring        |            |
|------------------|-------------|---------------|------------|------------------|-------------|---------------|------------|
| SAE Fitting Size | Thread Size | AS568A Dash # | VPI Part # | SAE Fitting Size | Thread Size | AS586A Dash # | VPI Part # |
| -04              | 7/16-20     | 904           | 26.0035    | -04              | 9/16-18     | 011           | 26.0044    |
| -06              | 9/16-18     | 906           | 26.0036    | -06              | 11/16-16    | 012           | 26.0025    |
| -08              | 3/4-16      | 908           | 26.0037    | -08              | 13/16-16    | 014           | 26.0009    |
| -10              | 7/8-14      | 910           | 26.0038    | -10              | 1-14        | 016           | 26.0023    |
| -12              | 1-1/16-12   | 912           | 26.0039    | -12              | 1-3/16-12   | 018           | 26.0045    |
| -16              | 1-5/16-12   | 916           | 26.0043    | -16              | 1-7/16-12   | 021           | 26.0046    |

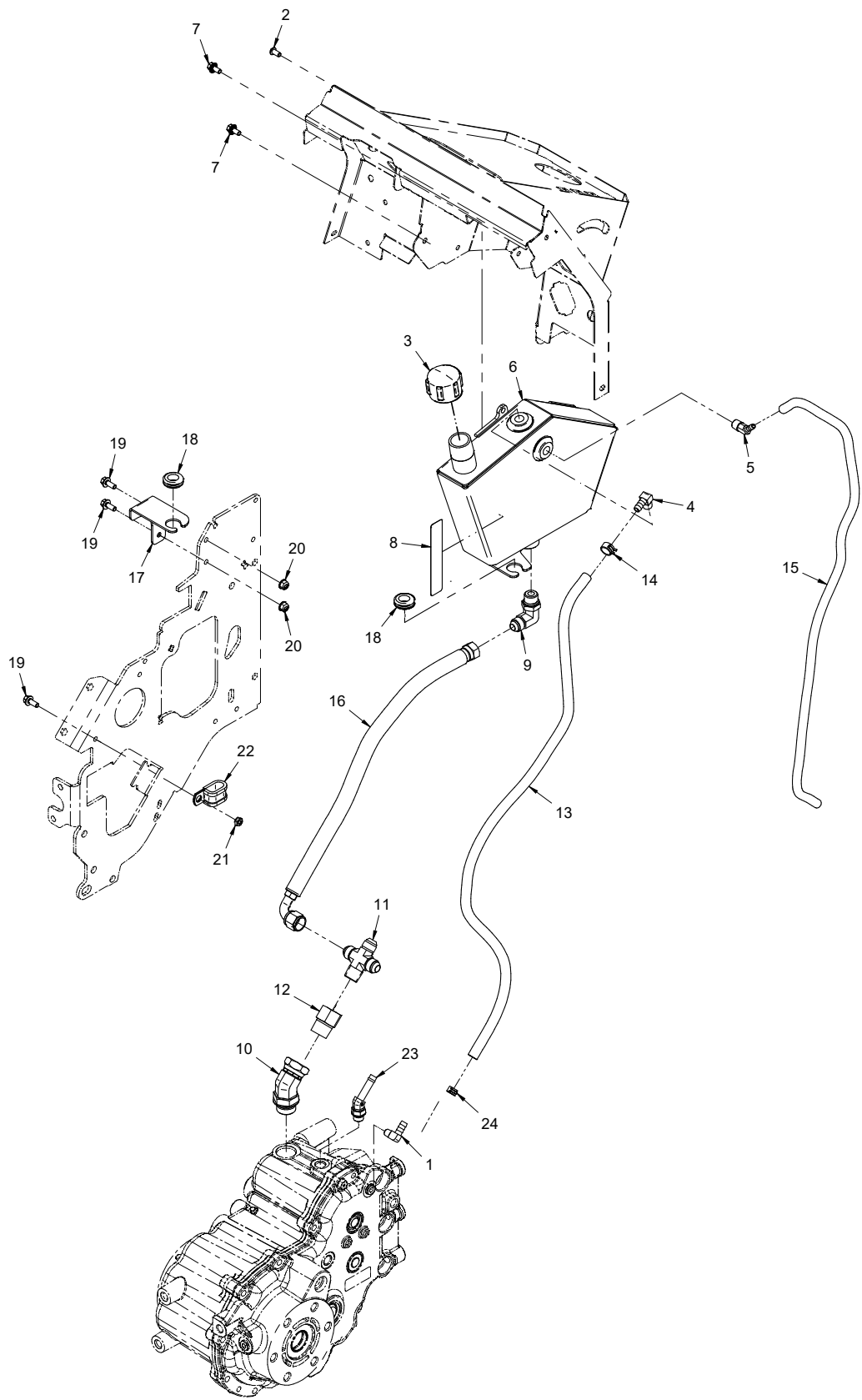
# HYDRAULICS, AXLES, & WHEELS

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# HYDRAULICS, AXLES, & WHEELS

## ILLUSTRATED DRAWING Hydraulic Oil Tank



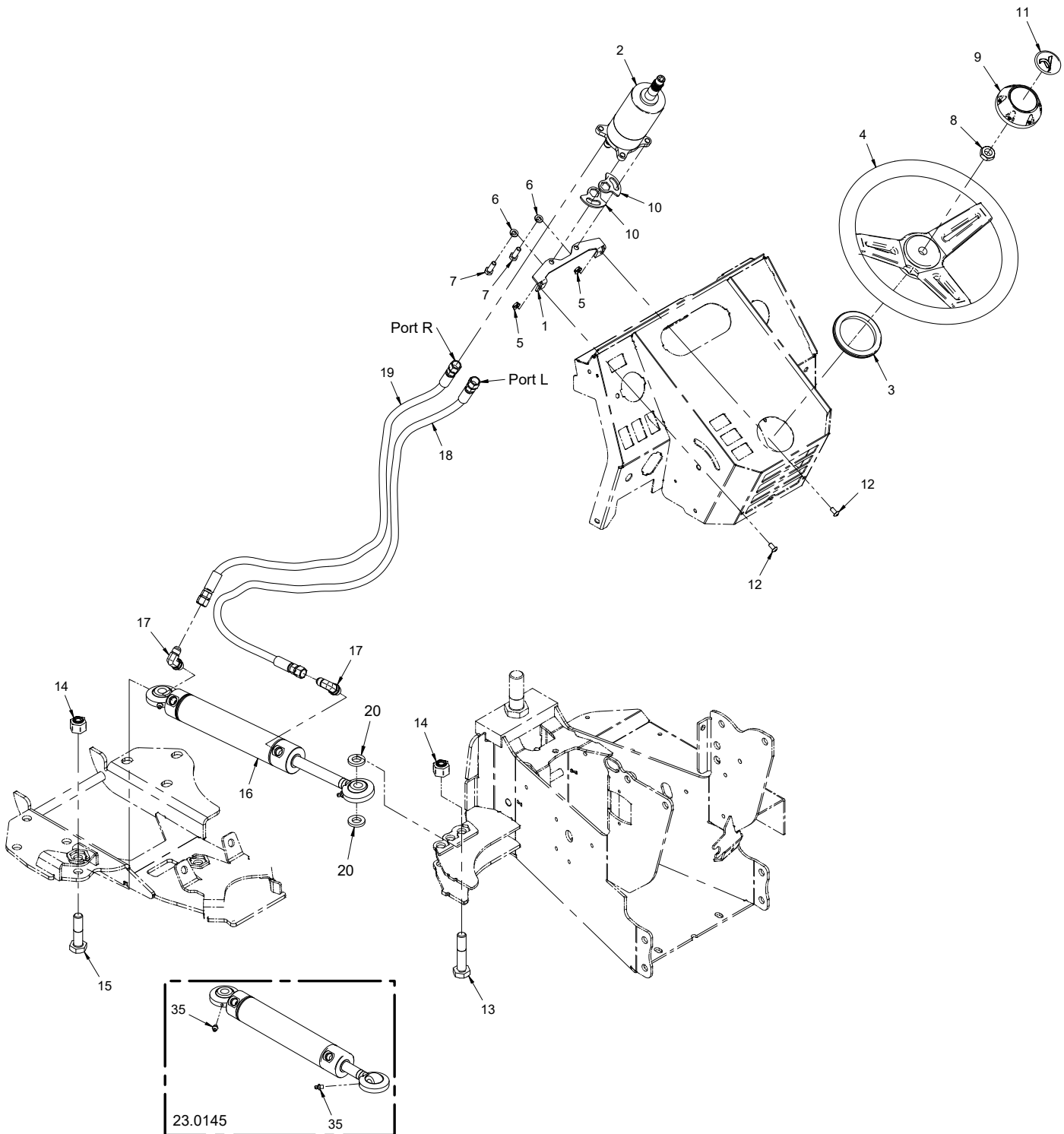
# HYDRAULICS, AXLES, & WHEELS

## Hydraulic Oil Tank

| REF. | PART NO.            | DESCRIPTION                                           | QTY. |
|------|---------------------|-------------------------------------------------------|------|
| 1    | 29.BF06MP0290-1     | .FITTING, 3/8 BARB X 1/8 MP 90 (Serial # 01001-12728) | 1    |
| 2    | 99.0404             | .BOLT, 1/4-20 X 1/2 BSCS (Serial # 01001-15171)       | 1    |
| 2    | 99.0403             | .BOLT, 1/4-20 X 3/8 BSCS (Serial # 15172-)            | 1    |
| 3    | 47.0319             | .CAP, COOLANT RECOVERY TANK (Serial # 01001-15171)    | 1    |
| 3    | 29.0126             | .FITTING, CAP 1" FP (Serial # 15172-)                 | 1    |
| 4    | 29.BF06MP0490       | .FITTING, 3/8 BARB X 1/4 MP 90                        | 1    |
| 5    | 29.BF04MP0445       | .FITTING, 1/4 BARB X 1/4 MP 45                        | 1    |
| 6    | 47.0315             | .TANK, OIL (Serial # 01001-15171)                     | 1    |
| 6    | KN-6051             | .TANK, STEEL HYDRAULIC (Serial # 15172-)              | 1    |
| 7    | 99.SF0404           | .BOLT, SRF 1/4-20 X 1/2 (Serial # 01001-15171)        | 2    |
| 7    | 99.SF0403           | .BOLT, SRF 1/4-20 X 3/8 (Serial # 15172-)             | 2    |
| 8    | 00.0340             | .DECAL, HYDRAULIC OIL                                 | 1    |
| 9    | 25.6801-08-08       | .FITTING, 90 ELBOW LONG 8MBX8MFF                      | 1    |
| 10   | 29.S4512            | .PIPE, STREET 45 ELBOW 3/4 (Serial # 01001-12728)     | 1    |
| 10   | 25.6902-12-12       | .FITTING, 45 MFE 3/4 X 3/4 (Serial # 12729-)          | 1    |
| 11   | 25.2651-08-08-08-08 | .FITTING, CROSS 08                                    | 1    |
| 12   | 25.5405-12-08       | .FITTING, REDUCER 3/4 X 1/2                           | 1    |
| 13   | 27.T06-3-36IN       | .TUBE, SILICON 3/8" ID X 36" (Serial # 01001-15171)   | 1    |
| 13   | 27.T06-3-33.5IN     | .TUBE, SILICON 3/8" ID X 33-1/2" (Serial # 15172-)    | 1    |
| 14   | 11.0048             | .CLAMP, HOSE BAND 9/16" OD HOSE                       | 1    |
| 15   | 27.F04-30IN         | .HOSE, FUEL LINE 1/4 X 30"                            | 1    |
| 16   | 22.0052             | .HOSE, 1/2X22.00 PLK 250PSI CPE                       | 1    |
| 17   | 64.1720             | .BRACKET, HOSE HOLDER (Serial # 01001-15171)          | 1    |
| 18   | 05.0140             | .GROMMET, 5/8 ID, 1-1/8 OD, 3/8T                      | 1    |
| 19   | 99.SF0405-1         | .BOLT, SMF 1/4-20 X 5/8 (Serial # 01001-15171)        | 3    |
| 19   | 99.SF0405-1         | .BOLT, SMF 1/4-20 X 5/8 (Serial # 15172-)             | 1    |
| 20   | 99.E0101            | .NUT, LOCKING FLANGE 1/4-20 (Serial # 01001-15171)    | 2    |
| 21   | 99.SF04             | .NUT, SRF 1/4-20 USS                                  | 1    |
| 22   | 11.0046             | .CLAMP, CUSHIONED METAL 1/2"                          | 1    |
| 23   | 25.4603-06-06       | .FITTING, 45 ME 06 HB X 06 MAORB (Serial # 12729-)    | 1    |
| 24   | 11.0049             | .CLAMP, HOSE BAND 1/2" OD HOSE                        | 1    |

## ILLUSTRATED DRAWING

### Hydraulic Steering System



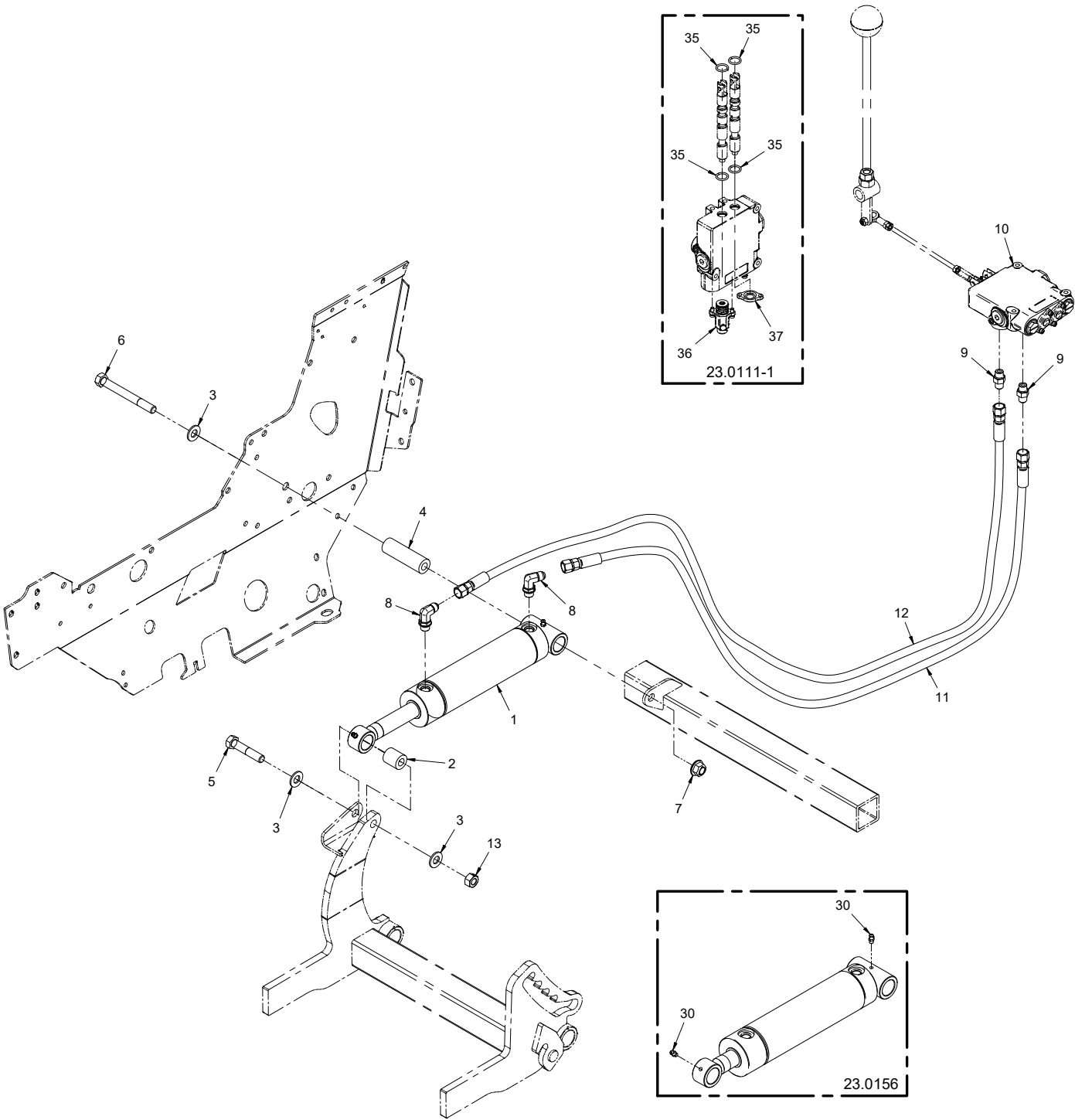
# HYDRAULICS, AXLES, & WHEELS

## Hydraulic Steering System

| REF. | PART NO.      | DESCRIPTION                         | QTY. |
|------|---------------|-------------------------------------|------|
| 1    | 64.1624       | .BRACKET, STEERING VALVE MT         | 1    |
| 2    | 23.0113       | .VALVE, STEERING-DANFOSS 100CC.     | 1    |
|      | 89.0095       | .KIT, SEAL 23.0113 STEER VALVE      | 1    |
| 3    | 05.0080       | .GROMMET, 2-3/4 ID, 3-5/8 OD, 5/16T | 1    |
| 4    | 47.0117       | .STEERING WHEEL, 16MM X 40T.        | 1    |
| 5    | 99.SF04       | .NUT, SRF 1/4-20 USS.               | 2    |
| 6    | 96.05         | .WASHER, LOCK 5/16.                 | 2    |
| 7    | 99.M0009      | .BOLT, M8 X 1.25 P X 25MM LONG      | 2    |
| 8    | 99.E0011      | .NUT, JAM 5/8 SAE                   | 1    |
| 9    | 47.0118       | .CAP, STEERING WHEEL.               | 1    |
| 10   | 64.1623       | .PLATE, FITTING LOCK                | 2    |
| 11   | 00.0207       | .DECAL, VENTRAC DOME.               | 1    |
| 12   | 99.0404       | .BOLT, 1/4-20 X 1/2 BSCS            | 2    |
| 13   | 99.K0132      | .BOLT, 5/8-11 X 3 GRD A325          | 1    |
| 14   | 99.E0095      | .LOCKNUT, 5/8-11 HEAVY NYLON        | 2    |
| 15   | 99.K0112      | .BOLT, 5/8-11 X 2-1/2 GRD A325      | 1    |
| 16   | 23.0145       | .CYLINDER, 1-3/4" X 8 STEERING      | 1    |
| 17   | 25.6801-06-06 | .FITTING, 90 ME 3/8 X 3/8.          | 2    |
| 18   | 20.0122       | .HOSE, 1/4X43.00 SAE 100R17AR.      | 1    |
| 19   | 20.0136       | .HOSE, 1/4X36.00 SAE 100R17AR.      | 1    |
| 20   | 64.1725       | .SPACER, STEERING CYLINDER.         | 2    |
| 35   | 29.GF0001     | .GREASE FTG, 1/4 SAE ST             | 2    |

# HYDRAULICS, AXLES, & WHEELS

## ILLUSTRATED DRAWING Front Hitch Hydraulic Lift





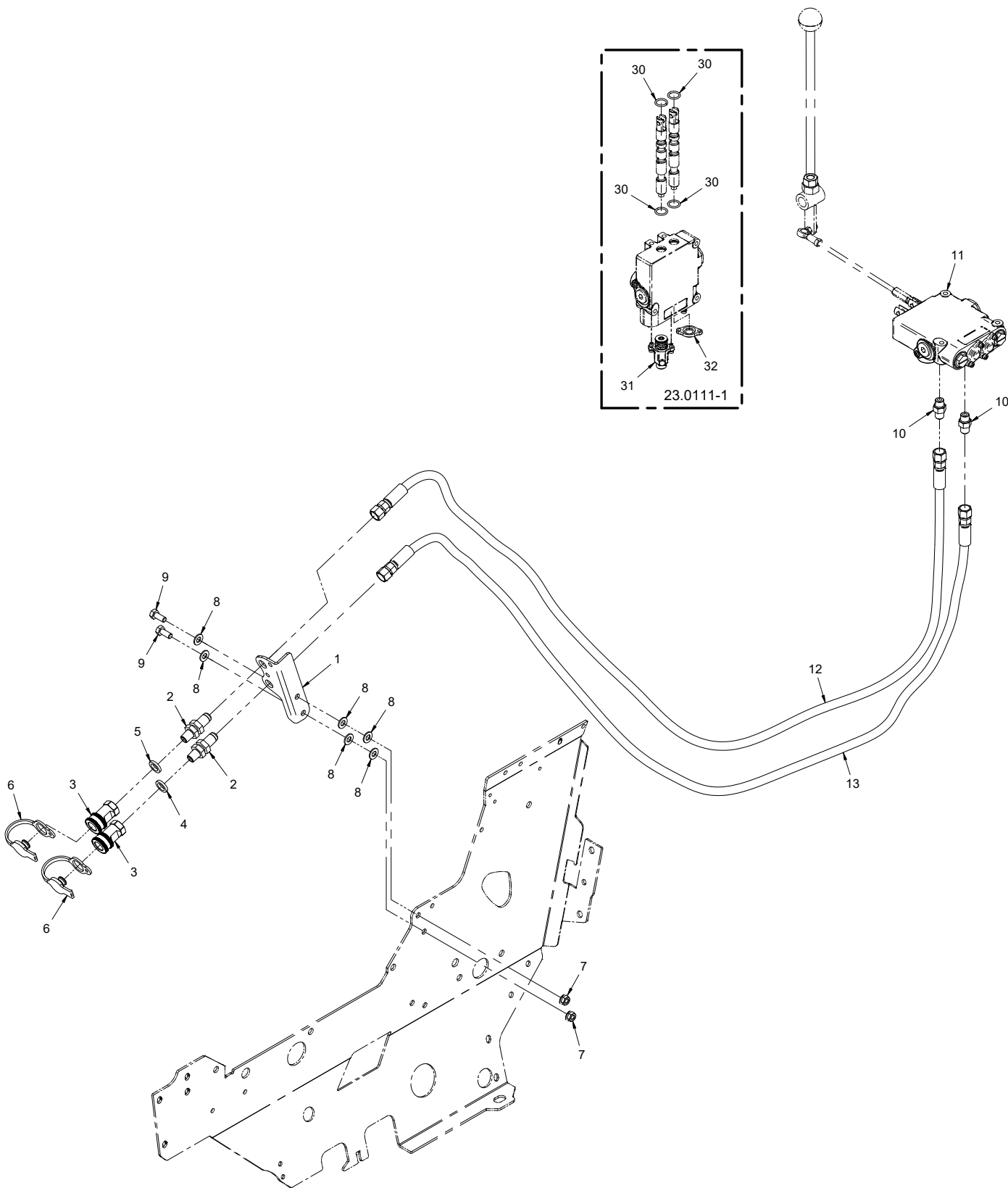
# HYDRAULICS, AXLES, & WHEELS

## Front Hitch Hydraulic Lift

| REF. | PART NO.      | DESCRIPTION                      | QTY. |
|------|---------------|----------------------------------|------|
| 1    | 23.0156       | .CYLINDER, 2-1/4" X 7" LIFT      | 1    |
| 2    | 64.1712       | .BUSHING, STEEL .516 X 1.000     | 1    |
| 3    | 95.08         | .WASHER, FLAT 1/2 SAE            | 3    |
| 4    | 64.1631       | .BUSHING, LIFT CYLINDER REAR     | 1    |
| 5    | 90.0820       | .BOLT, 1/2-13 USS X 2-1/2        | 1    |
| 6    | 90.0836       | .BOLT, 1/2-13 USS X 4-1/2        | 1    |
| 7    | 99.E0103      | .NUT, LOCKING FLANGE 1/2-13      | 1    |
| 8    | 25.6801-06-06 | .FITTING, 90 ME 3/8 X 3/8        | 2    |
| 9    | 25.6400-06-06 | .FITTING, M CONN 3/8 X 3/8       | 2    |
| 10   | 23.0111-1     | .VALVE, HY 2 SPL W/LH FLT, RH SP | 1    |
| 11   | 20.0302       | .HOSE, 1/4X48.00 SAE 100R17 AR   | 1    |
| 12   | 20.0303       | .HOSE, 1/4X58.00 SAE 100R17 AR   | 1    |
| 13   | 99.A08C       | .LOCKNUT, CENTER 1/2-13          | 1    |
| 30   | 29.GF0001     | .GREASE FTG, 1/4 SAE ST          | 2    |
| 35   | 26.0027       | .O-RING, 5/8ID X 13/16OD X 3/32  | 4    |
| 36   | 23.0111-7     | .KIT, SPOOL FLOAT HYD. VALVE     | 1    |
| 37   | 23.0111-8     | .CAP, VALVE                      | 1    |

# HYDRAULICS, AXLES, & WHEELS

## ILLUSTRATED DRAWING Auxiliary Hydraulic Quick Couplers



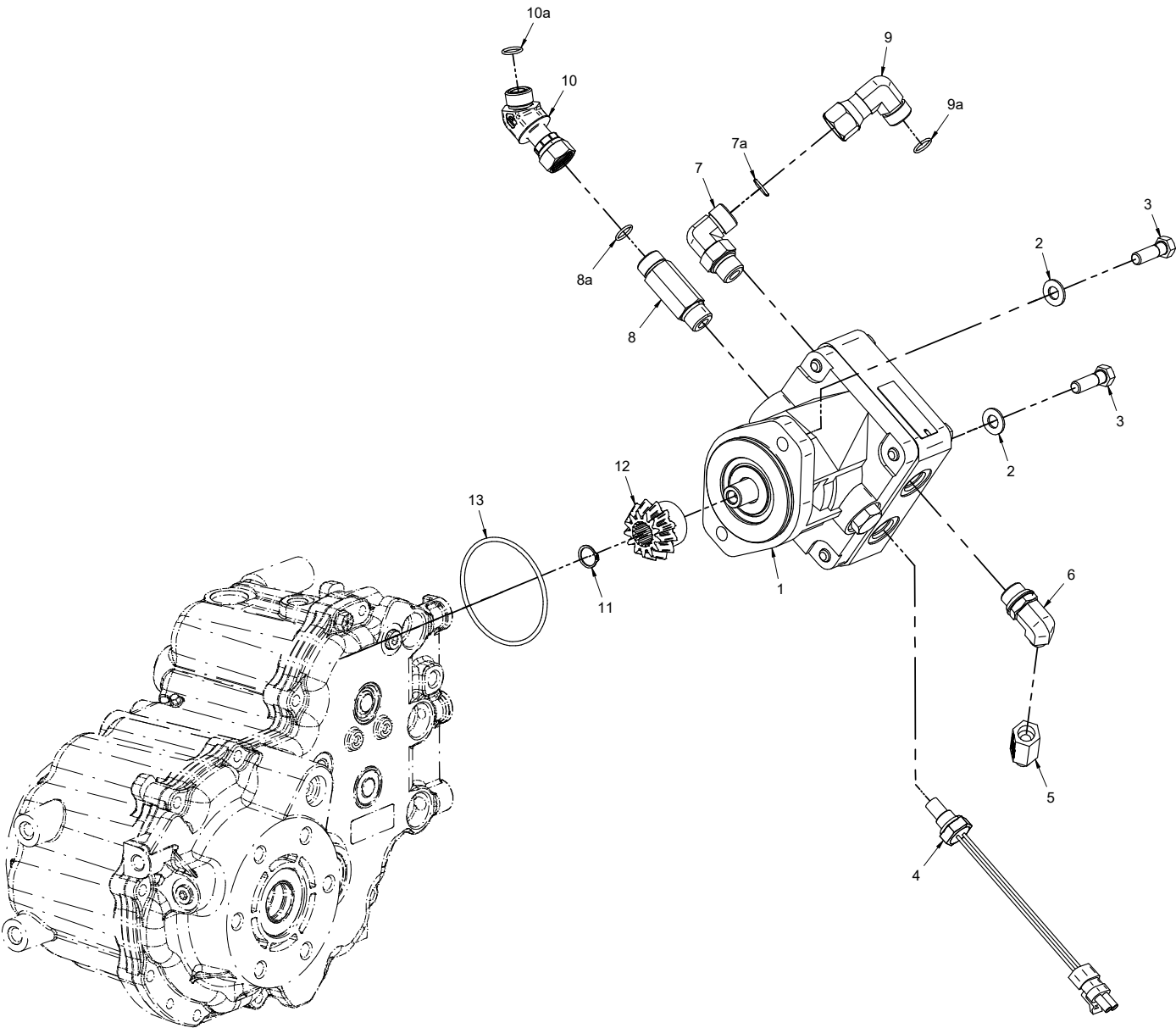
# HYDRAULICS, AXLES, & WHEELS

## Auxiliary Hydraulic Quick Couplers

| REF. | PART NO.        | DESCRIPTION                            | QTY. |
|------|-----------------|----------------------------------------|------|
| 1    | 64.1608         | .BRACKET, HYD COUPLER 2 POS.           | 1    |
| 2    | 25.2706-04-06LN | .FITTING, BULKHEAD W/ LOCKNUT          | 2    |
| 3    | 23.0106         | .COUPLER, HYDRAULIC QUICK - 1/4 FEMALE | 2    |
| 4    | 05.0116         | .WASHER, .544 ID X .817 X .14 RED      | 1    |
| 5    | 05.0117         | .WASHER, .544 ID X .817 X .14 YEL      | 1    |
| 6    | 23.0126         | .PLUG, DUST FOR 23.0106                | 2    |
| 7    | 99.SF05         | .NUT, SRF 5/16-18 USS.                 | 2    |
| 8    | 95.05           | .WASHER, FLAT 5/16 SAE                 | 6    |
| 9    | 90.0506         | .BOLT, 5/16-18 USS X 3/4"              | 2    |
| 10   | 25.6400-06-06   | .FITTING, M CONN 3/8 X 3/8             | 2    |
| 11   | 23.0111-1       | .VALVE, HY 2 SPL W/LH FLT, RH SP.      | 1    |
| 12   | 20.0303         | .HOSE, 1/4X58.00 SAE 100R17 AR         | 1    |
| 13   | 20.0303         | .HOSE, 1/4X58.00 SAE 100R17 AR         | 1    |
| 30   | 26.0027         | .O-RING, 5/8ID X 13/16OD X 3/32        | 4    |
| 31   | 23.0111-7       | .KIT, SPOOL FLOAT HYD. VALVE           | 1    |
| 32   | 23.0111-8       | .CAP, VALVE.                           | 1    |

# HYDRAULICS, AXLES, & WHEELS

## ILLUSTRATED DRAWING Front Hydraulic Motor Mount & Fittings



# HYDRAULICS, AXLES, & WHEELS

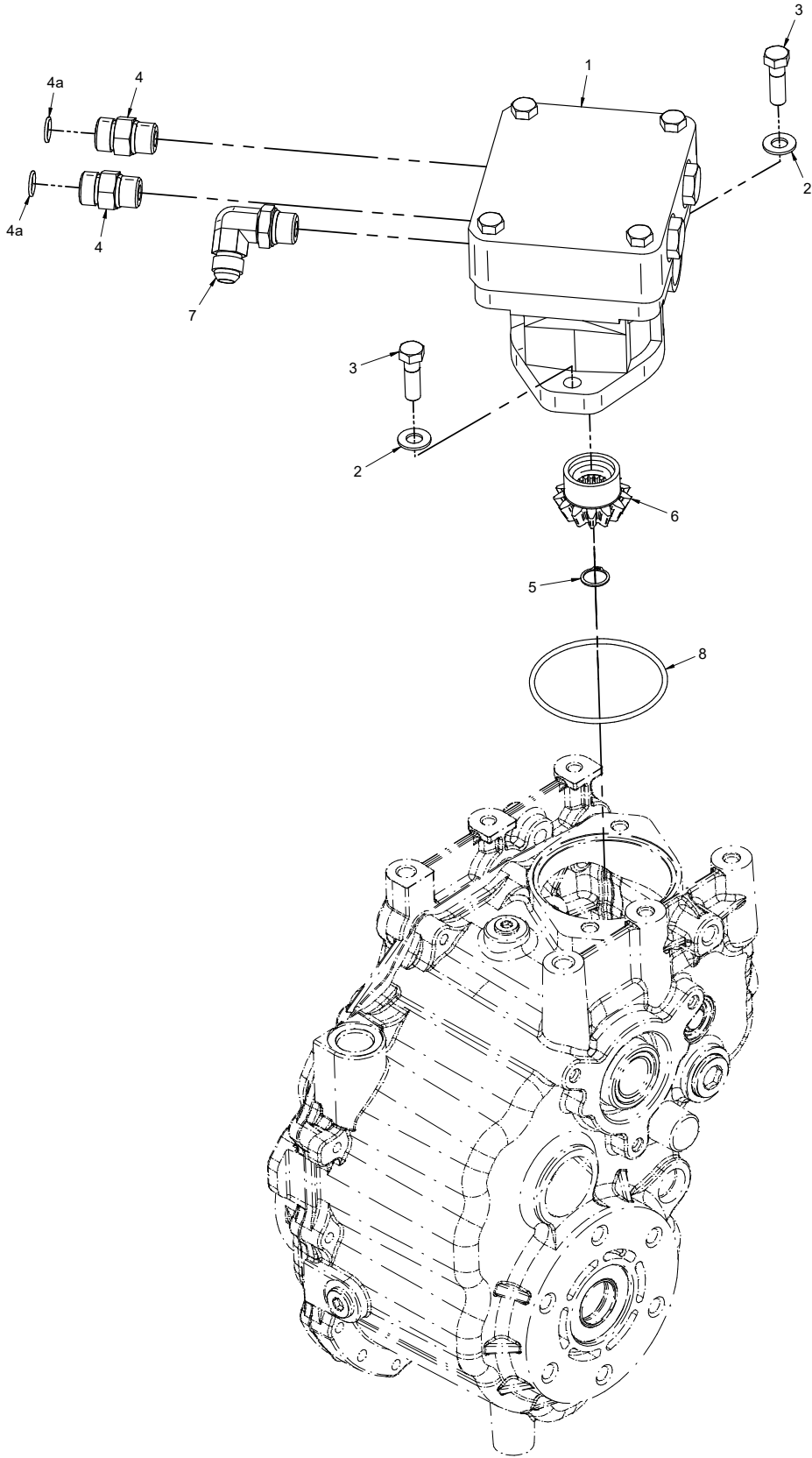
## Front Hydraulic Motor Mount & Fittings

| REF. | PART NO.            | DESCRIPTION                                   | QTY. |
|------|---------------------|-----------------------------------------------|------|
| 1    | 21.0081*            | MOTOR, HYD. SUNDSTRAND                        | 1    |
| 2    | 95.06               | WASHER, FLAT 3/8 SAE                          | 2    |
| 3    | 90.0610             | BOLT, 3/8-16 USS X 1-1/4                      | 2    |
| 4    | 13.0254             | SWITCH, TEMP -08 SAE ORB                      | 1    |
| 5    | 23.0159             | VALVE, CHECK VONBERG                          | 1    |
| 6    | 25.6801-06-08       | FITTING, 90 ME 3/8 X 1/2                      | 1    |
| 7    | 25.FF6801-08-08-V   | FITTING, 90 ELBOW 8MB X 8MFF                  | 1    |
| 7a   | 26.0009             | O-RING, -014 FOR MORF-08 VITON                | 1    |
| 8    | 25.FF6400-L-08-08-V | FITTING, CONNECTOR 8MFF X 8MB                 | 1    |
| 8a   | 26.0009             | O-RING, -014 FOR MORF-08 VITON                | 1    |
| 9    | 25.FF6500-08-08-V   | FITTING, 90 ELBOW 8MFF X 8FSX                 | 1    |
| 9a   | 26.0009             | O-RING, -014 FOR MORF-08 VITON                | 1    |
| 10   | 25.FF6502-08-08-V   | FITTING, 45 ELBOW 8MFF X 8FFS                 | 1    |
| 10a  | 26.0009             | O-RING, -014 FOR MORF-08 VITON                | 1    |
| 11   | 04.0015             | SNAP RING, EXT .039 X .588                    | 1    |
| 12   | 87.0165             | GEAR, PINION MOTOR TO AXLE                    | 1    |
| 13   | 26.0024             | O-RING, 3-1/8 X 3-3/8 X 1/8 (Serial # 12729-) | 1    |

\*When replacing the front motor, the shaft seal MUST be removed.

# HYDRAULICS, AXLES, & WHEELS

## ILLUSTRATED DRAWING Rear Hydraulic Motor Mount & Fittings



# HYDRAULICS, AXLES, & WHEELS

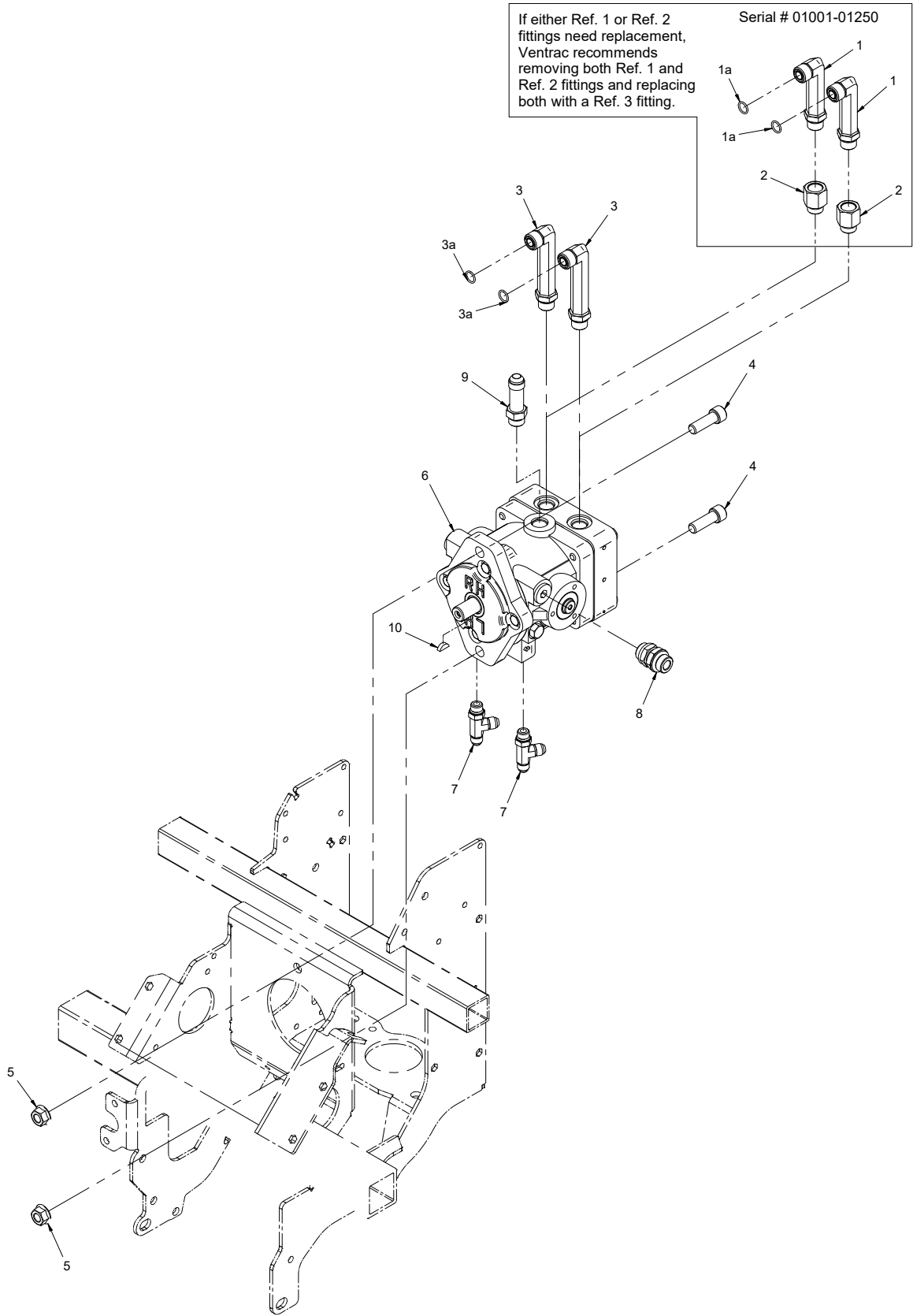
## Rear Hydraulic Motor Mount & Fittings

| REF. | PART NO.          | DESCRIPTION                                   | QTY. |
|------|-------------------|-----------------------------------------------|------|
| 1    | 21.0081*          | MOTOR, HYD. SUNDSTRAND                        | 1    |
| 2    | 95.06             | WASHER, FLAT 3/8 SAE                          | 2    |
| 3    | 90.0610           | BOLT, 3/8-16 USS X 1-1/4                      | 2    |
| 4    | 25.FF6400-08-08-V | FITTING, CONNECTOR 8MFF X 8MB                 | 2    |
| 4a   | 26.0009           | O-RING, -014 FOR MORF-08 VITON                | 1    |
| 5    | 04.0015           | SNAP RING, EXT .039 X .588                    | 1    |
| 6    | 87.0165           | GEAR, PINION MOTOR TO AXLE                    | 1    |
| 7    | 25.6801-08-08     | FITTING, 90 ELBOW LONG 8MBX8MFF               | 1    |
| 8    | 26.0024           | O-RING, 3-1/8 X 3-3/8 X 1/8 (Serial # 12729-) | 1    |

\*When replacing the rear motor, the shaft seal MUST NOT be removed.

# HYDRAULICS, AXLES, & WHEELS

## ILLUSTRATED DRAWING Hydraulic Pump Mount & Fittings





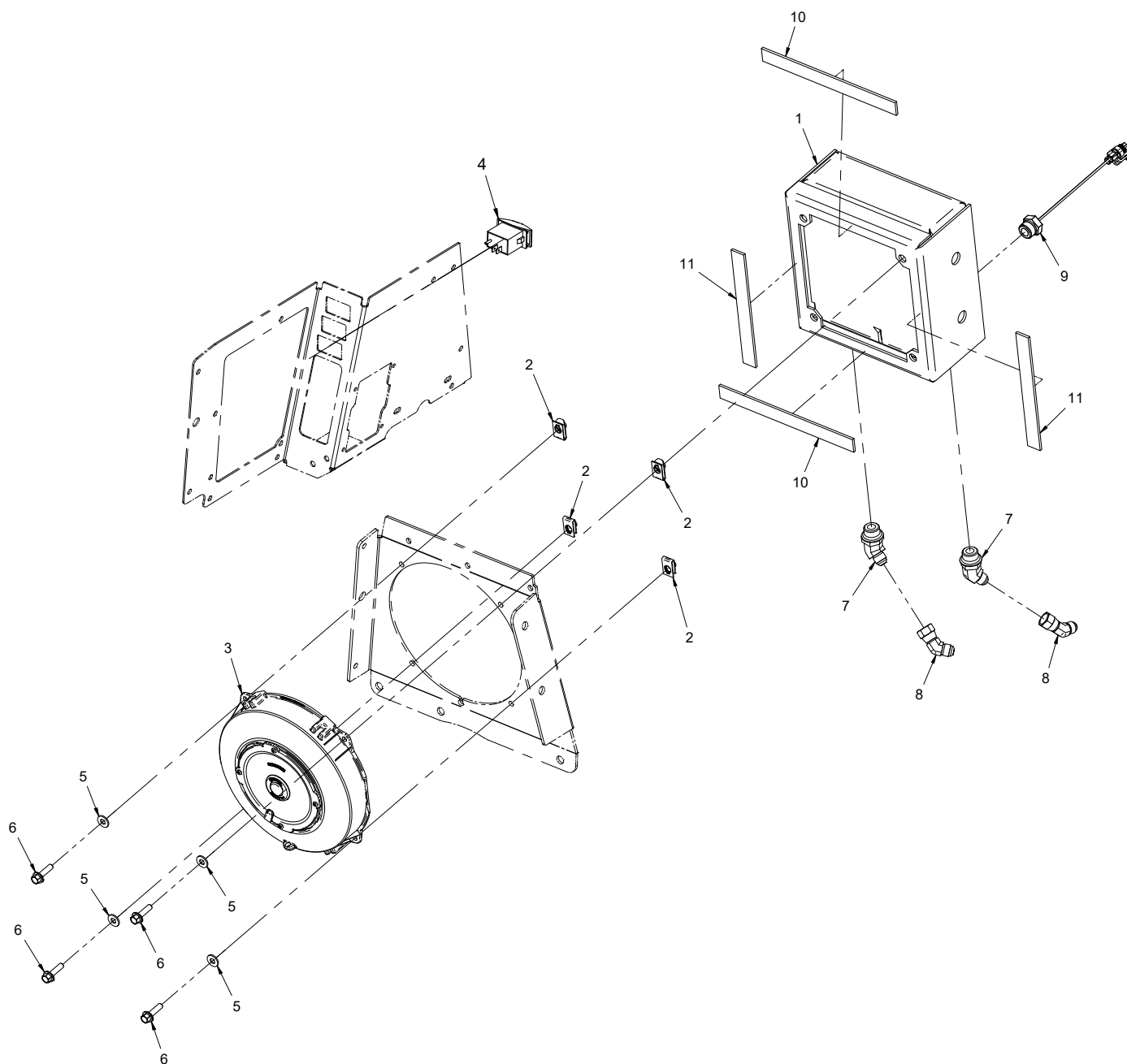
# HYDRAULICS, AXLES, & WHEELS

## Hydraulic Pump Mount & Fittings

| REF. | PART NO.                | DESCRIPTION                                             | QTY. |
|------|-------------------------|---------------------------------------------------------|------|
| 1    | 25.FF6801-LL-08-08-V    | .FITTING, 90 LBOW XLONG 8MBX8MFF (Serial # 01001-01250) | 2    |
| 1a   | 26.0009                 | .O-RING, -014 FOR MORF-08 VITON                         | 1    |
| 2    | 25.6410-08-08           | .FITTING, REDUCER 08MB X 08FB (Serial # 01001-01250)    | 2    |
| 3    | 25.FF6801-4.415-08-08-V | .FITTING, 90 LBOW XLNG 8MBX8MFF (Serial # 01251-)       | 2    |
| 3a   | 26.0009                 | .O-RING, -014 FOR MORF-08 VITON                         | 1    |
| 4    | 99.K0039                | .BOLT, SHCS 1/2 X 1 1/2                                 | 2    |
| 5    | 99.SF08                 | .NUT, SRF 1/2-13 USS                                    | 2    |
| 6    | 21.0080                 | .PUMP, HYDRAULIC                                        | 1    |
| 7    | 25.6804-6-6-6           | .FITTING, M TEE 3/8X3/8X3/8                             | 2    |
| 8    | 25.6407-10-10           | .FITTING, M. ADAPTER -10 X -10                          | 1    |
| 9    | 25.6400-L-08-08         | .FITTING, CONNECTOR 8MJ X 8MB                           | 1    |
| 10   | 85.W0305                | .KEY, WOODRUFF 3/16" X 5/8"                             | 1    |

# HYDRAULICS, AXLES, & WHEELS

## ILLUSTRATED DRAWING Hydraulic Oil Cooler & Fan



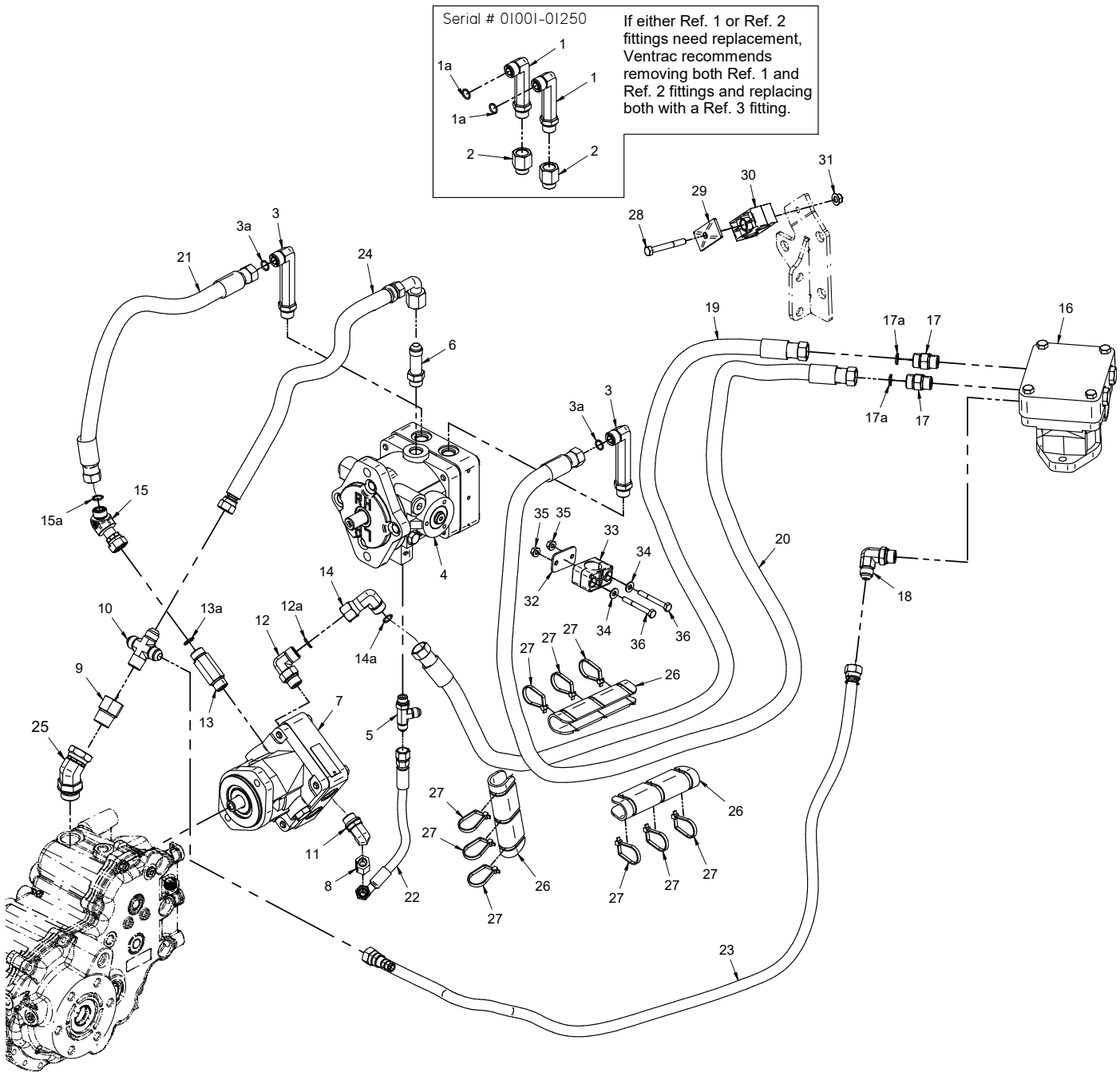
# HYDRAULICS, AXLES, & WHEELS

## Hydraulic Oil Cooler & Fan

| REF. | PART NO.       | DESCRIPTION                      | QTY. |
|------|----------------|----------------------------------|------|
| 1    | 21.0121        | COOLER, HYDRAULIC                | 1    |
| 2    | 99.E0046       | NUT, "U" 1/4-20 EXTRUDED         | 4    |
| 3    | 37.0057        | FAN, ELECTRIC 7.5"               | 1    |
| 4    | 31.0053        | SWITCH, ROCKER ON/OFF            | 1    |
| 5    | 95.04          | WASHER, FLAT 1/4 SAE             | 4    |
| 6    | 99.SF0408      | BOLT, SRF 1/4 X 1 USS            | 4    |
| 7    | 25.6802-06-08  | FITTING, 45 ME 3/8 X 1/2         | 2    |
| 8    | 25.6502-06-06  | FITTING, 45 MFE 3/8 X 3/8        | 2    |
| 9    | 13.0239        | SWITCH, TEMPERATURE 170F         | 1    |
| 10   | 06.0045-8IN    | WEATHERSTRIP, 1/8 X 3/4 X 8"     | 2    |
| 11   | 06.0045-6.75IN | WEATHERSTRIP, 1/8 X 3/4 X 6-3/4" | 2    |

# HYDRAULICS, AXLES, & WHEELS

## ILLUSTRATED DRAWING Hydraulic Drive Circuit Hoses



# HYDRAULICS, AXLES, & WHEELS

## Hydraulic Drive Circuit Hoses

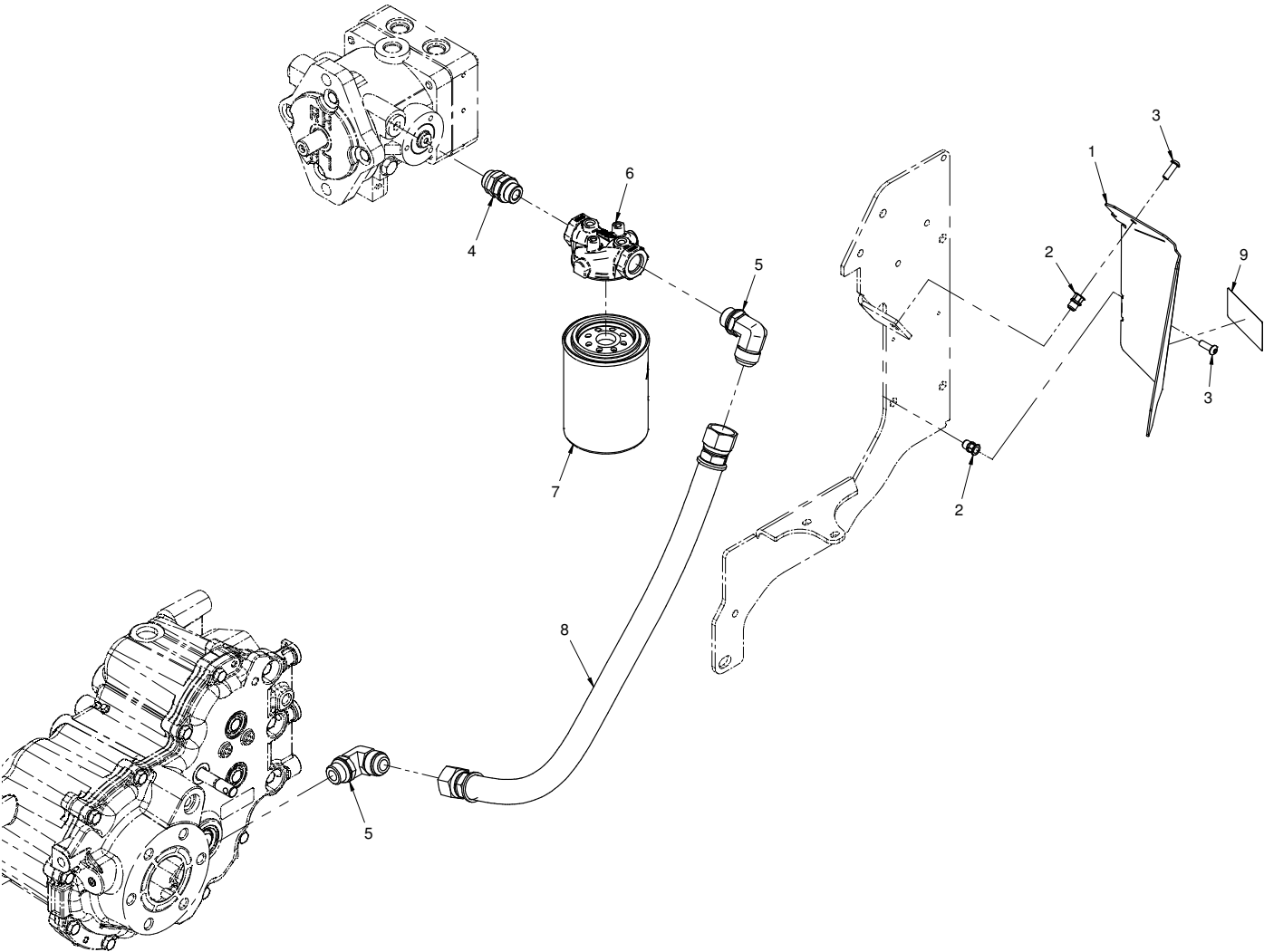
| REF. | PART NO.                | DESCRIPTION                                             | QTY. |
|------|-------------------------|---------------------------------------------------------|------|
| 1    | 25.FF6801-LL-08-08-V    | .FITTING, 90 LBOW XLONG 8MBX8MFF (Serial # 01001-01250) | 2    |
| 1a   | 26.0009                 | .O-RING, -014 FOR MORF-08 VITON                         | 1    |
| 2    | 25.6410-08-08           | .FITTING, REDUCER 08MB X 08FB (Serial # 01001-01250)    | 2    |
| 3    | 25.FF6801-4.415-08-08-V | .FITTING, 90 LBOW XLNG 8MBX8MFF (Serial # 01251-)       | 2    |
| 3a   | 26.0009                 | .O-RING, -014 FOR MORF-08 VITON                         | 1    |
| 4    | 21.0080                 | .PUMP, HYDRAULIC                                        | 1    |
| 5    | 25.6804-6-6-6           | .FITTING, M TEE 3/8X3/8X3/8                             | 1    |
| 6    | 25.6400-L-08-08         | .FITTING, CONNECTOR 8MJ X 8MB                           | 1    |
| 7    | 21.0081*                | .MOTOR, HYD. SUNDSTRAND                                 | 1    |
| 8    | 23.0159                 | .VALVE, CHECK VONBERG                                   | 1    |
| 9    | 25.5405-12-08           | .FITTING, REDUCER 3/4 X 1/2                             | 1    |
| 10   | 25.2651-08-08-08-08     | .FITTING, CROSS 08                                      | 1    |
| 11   | 25.6801-06-08           | .FITTING, 90 ME 3/8 X 1/2                               | 1    |
| 12   | 25.FF6801-08-08-V       | .FITTING, 90 ELBOW 8MB X 8MFF                           | 1    |
| 12a  | 26.0009                 | .O-RING, -014 FOR MORF-08 VITON                         | 1    |
| 13   | 25.FF6400-L-08-08-V     | .FITTING, CONNECTOR 8MFF X 8MB                          | 1    |
| 13a  | 26.0009                 | .O-RING, -014 FOR MORF-08 VITON                         | 1    |
| 14   | 25.FF6500-08-08-V       | .FITTING, 90 ELBOW 8MFF X 8FSX                          | 1    |
| 14a  | 26.0009                 | .O-RING, -014 FOR MORF-08 VITON                         | 1    |
| 15   | 25.FF6502-08-08-V       | .FITTING, 45 ELBOW 8MFF X 8FFS                          | 1    |
| 15a  | 26.0009                 | .O-RING, -014 FOR MORF-08 VITON                         | 1    |
| 16   | 21.0081*                | .MOTOR, HYD. SUNDSTRAND                                 | 1    |
| 17   | 25.FF6400-08-08-V       | .FITTING, CONNECTOR 8MFF X 8MB                          | 2    |
| 17a  | 26.0009                 | .O-RING, -014 FOR MORF-08 VITON                         | 1    |
| 18   | 25.6801-08-08           | .FITTING, 90 ELBOW LONG 8MBX8MFF                        | 1    |
| 19   | 20.0295                 | .HOSE, 1/2X55.00 SS BRAID PTFE                          | 1    |
| 20   | 20.0296                 | .HOSE, 1/2X74.50 SS BRAID PTFE                          | 1    |
| 21   | 20.0297                 | .HOSE, 1/2X18.38 SS BRAID PTFE                          | 1    |
| 22   | 20.0304                 | .HOSE 1/4X20.50 SAE 100R17 AR                           | 1    |
| 23   | 22.0058                 | .HOSE, 3/8X54.00 PLK 250PSI CPE                         | 1    |
| 24   | 22.0059                 | .HOSE, 1/2X17.00 PLK 250PSI CPE                         | 1    |
| 25   | 29.S4512                | .PIPE, STREET 45 ELBOW 3/4 (Serial # 01001-12728)       | 1    |
| 25   | 25.6902-12-12           | .FITTING, 45 MFE 3/4 X 3/4 (Serial # 12729-)            | 1    |
| 26   | 44.0224                 | .SLEEVE, HOSE PROTECTOR 6"                              | 3    |
| 27   | 30.0204                 | .TYTON TIE, #50 .190 X 12"                              | 9    |
| 28   | 90.0520                 | .BOLT, 5/16-18 USS X 2-1/2"                             | 1    |
| 29   | 44.0249                 | .COVER PLATE, 3D GROUP                                  | 1    |
| 30   | 44.0248                 | .CLAMP, HYD HOSE 21.3MM ID BLACK                        | 1    |
| 31   | 99.E0102                | .NUT, LOCKING FLANGE 5/16-18                            | 1    |
| 32   | 44.0321                 | .COVER PLATE, GROUP 3 (1)                               | 1    |
| 33   | 44.0320                 | .CLAMP, HYD HOSE 25.4MM ID                              | 1    |
| 34   | 95.04                   | .WASHER, FLAT 1/4 SAE                                   | 2    |
| 35   | 99.E0101                | .NUT, LOCKING FLANGE 1/4-20                             | 2    |
| 36   | 90.0418                 | .BOLT, 1/4-20 USS X 2-1/4"                              | 2    |

\*When replacing the front motor, the shaft seal MUST be removed.

When replacing the rear motor, the shaft seal MUST NOT be removed.

# HYDRAULICS, AXLES, & WHEELS

## ILLUSTRATED DRAWING Pump Supply Line & Main Hydraulic Filter



# HYDRAULICS, AXLES, & WHEELS

## Pump Supply Line & Main Hydraulic Filter

| REF. | PART NO.      | DESCRIPTION                       | QTY. |
|------|---------------|-----------------------------------|------|
| 1    | 60.1154       | .COVER, HYD FILTER ACCESS         | 1    |
| 2    | 99.E0105      | .NUT, INSERT 1/4-20 HEX           | 2    |
| 3    | 99.0406       | .BOLT, 1/4-20 X 3/4 BSCS          | 2    |
| 4    | 25.6407-10-10 | .FITTING, M. ADAPTER -10 X -10    | 1    |
| 5    | 25.6801-12-10 | .FITTING, 90 ME 3/4 X 5/8.        | 2    |
| 6    | 21.0119       | .FILTER, HEAD -10 ORB PORTS.      | 1    |
| 7    | 21.0122       | .FILTER, HYD. 25 MICRON SYN.      | 1    |
| 8    | 22.0050       | .HOSE, 3/4X22.00 PLK 250PSI CPE.  | 1    |
| 9    | 00.0518       | .DECAL, HYDRAULIC FILTER LOCATION | 1    |

### ILLUSTRATED DRAWING

#### Hydraulic Implement Circuit Supply & Return





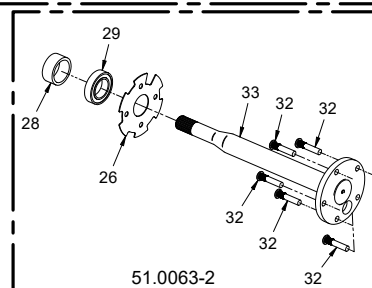
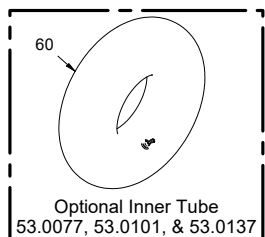
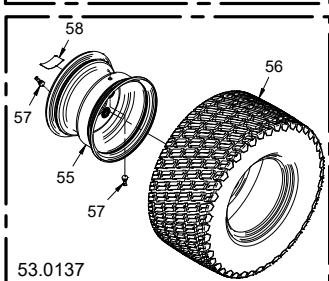
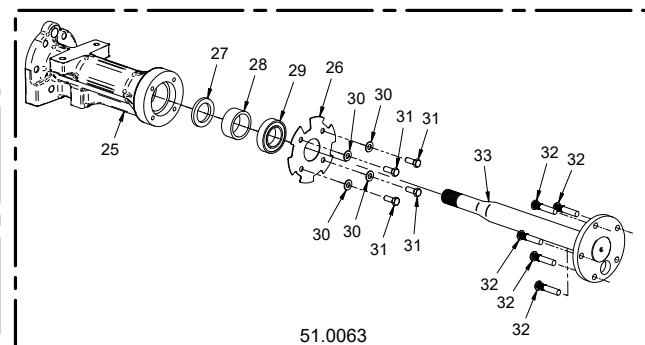
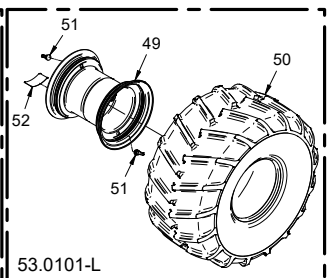
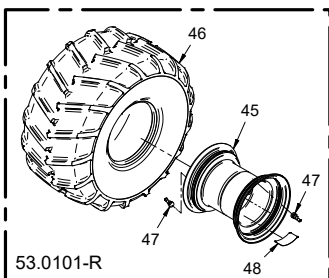
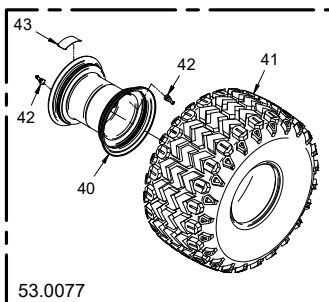
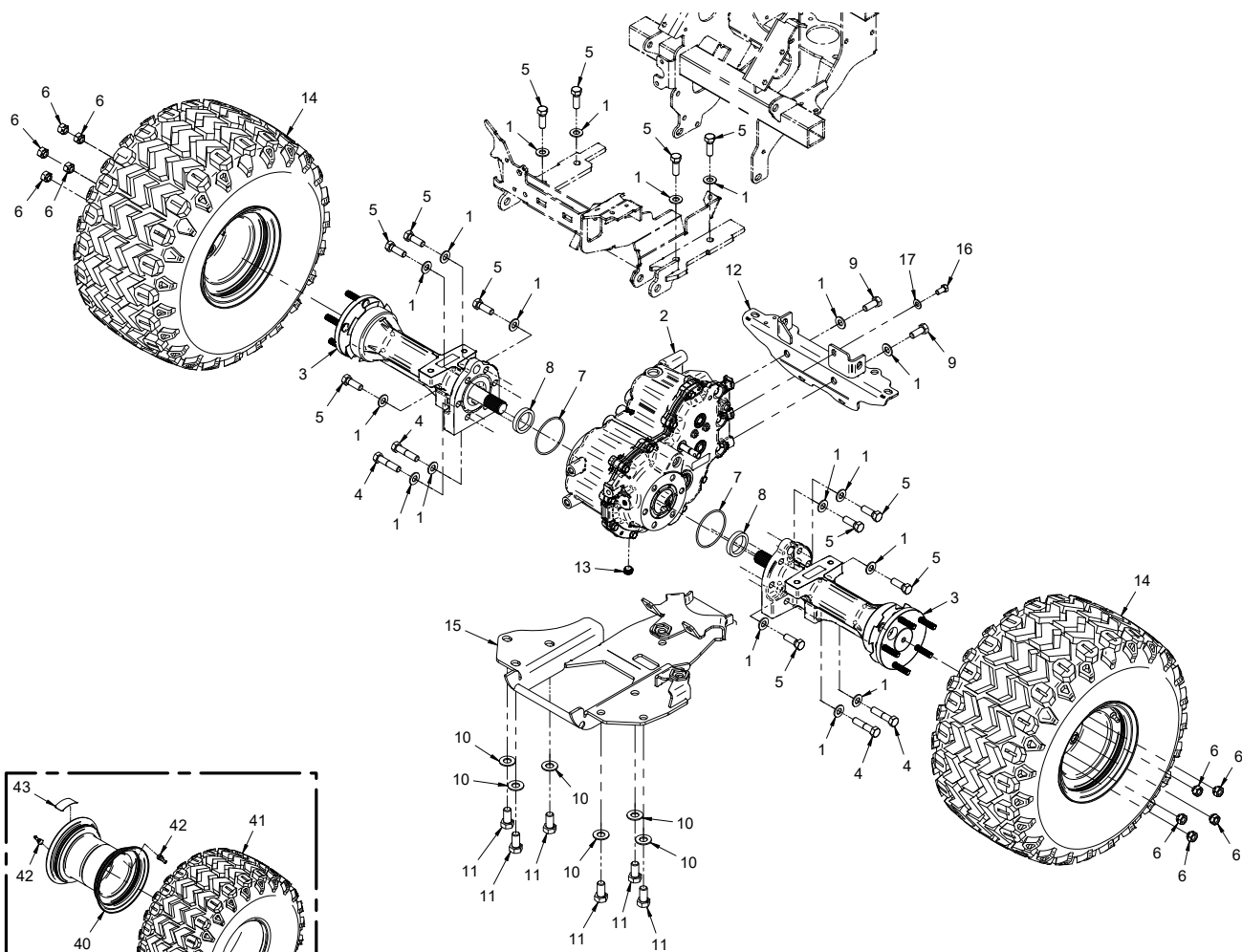
# HYDRAULICS, AXLES, & WHEELS

## Hydraulic Implement Circuit Supply & Return

| REF. | PART NO.      | DESCRIPTION                       | QTY. |
|------|---------------|-----------------------------------|------|
| 1    | 21.0080       | .PUMP, HYDRAULIC                  | 1    |
| 2    | 25.6804-6-6-6 | .FITTING, M TEE 3/8X3/8X3/8       | 2    |
| 3    | 23.0113       | .VALVE, STEERING-DANFOSS 100CC.   | 1    |
|      | 89.0095       | .KIT, SEAL 23.0113 STEER VALVE    | 1    |
| 4    | 25.6801-06-06 | .FITTING, 90 ME 3/8 X 3/8.        | 2    |
| 5    | 21.0123       | .FILTER, HEAD 06 ORB              | 1    |
| 6    | 21.0124       | .FILTER, HYD. 10 MICRON CEL.      | 1    |
| 7    | 99.SF0405-1   | .BOLT, SMF 1/4-20 X 5/8           | 2    |
| 8    | 21.0121       | .COOLER, HYDRAULIC                | 1    |
| 9    | 25.6802-06-08 | .FITTING, 45 ME 3/8 X 1/2.        | 2    |
| 10   | 25.6502-06-06 | .FITTING, 45 MFE 3/8 X 3/8        | 2    |
| 11   | 25.6400-06-08 | .FITTING, M CONN 3/8 X 1/2        | 1    |
| 12   | 25.6801-06-08 | .FITTING, 90 ME 3/8 X 1/2.        | 1    |
| 13   | 23.0111-1     | .VALVE, HY 2 SPL W/LH FLT, RH SP. | 1    |
| 14   | 20.0123       | .HOSE, 1/4X19.50 SAE 100R17AR.    | 1    |
| 15   | 20.0155       | .HOSE, 3/8X19.00 SAE 100R17AR.    | 1    |
| 16   | 20.0298       | .HOSE, 3/8X56.00 SAE 100R17 AR    | 1    |
| 17   | 20.0299       | .HOSE, 3/8X32.00 SAE 100R17 AR    | 1    |
| 18   | 20.0300       | .HOSE, 3/8X69.00 SAE 100R17 AR    | 1    |
| 19   | 20.0301       | .HOSE, 3/8X20.00 SAE 100R17 AR    | 1    |
| 30   | 26.0027       | .O-RING, 5/8ID X 13/16OD X 3/32   | 4    |
| 31   | 23.0111-7     | .KIT, SPOOL FLOAT HYD. VALVE      | 1    |
| 32   | 23.0111-8     | .CAP, VALVE.                      | 1    |

# HYDRAULICS, AXLES, & WHEELS

## ILLUSTRATED DRAWING Front Transaxle & Wheels



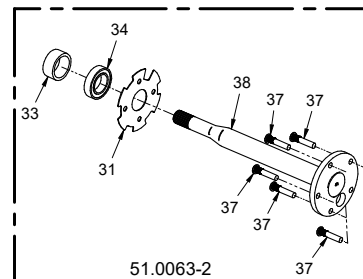
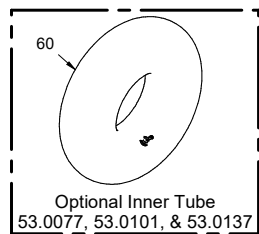
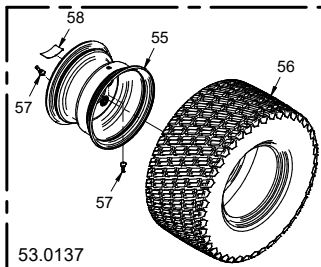
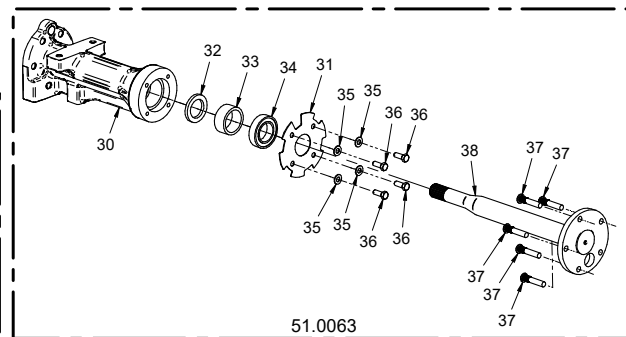
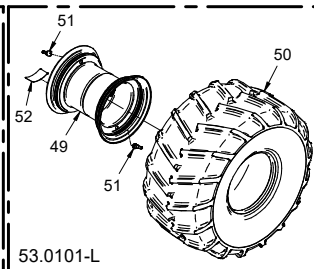
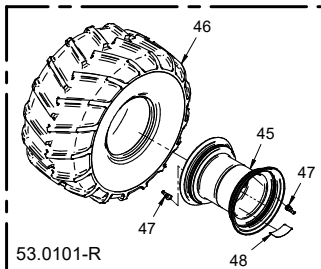
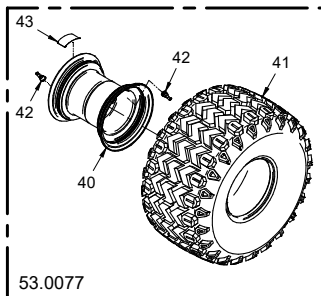
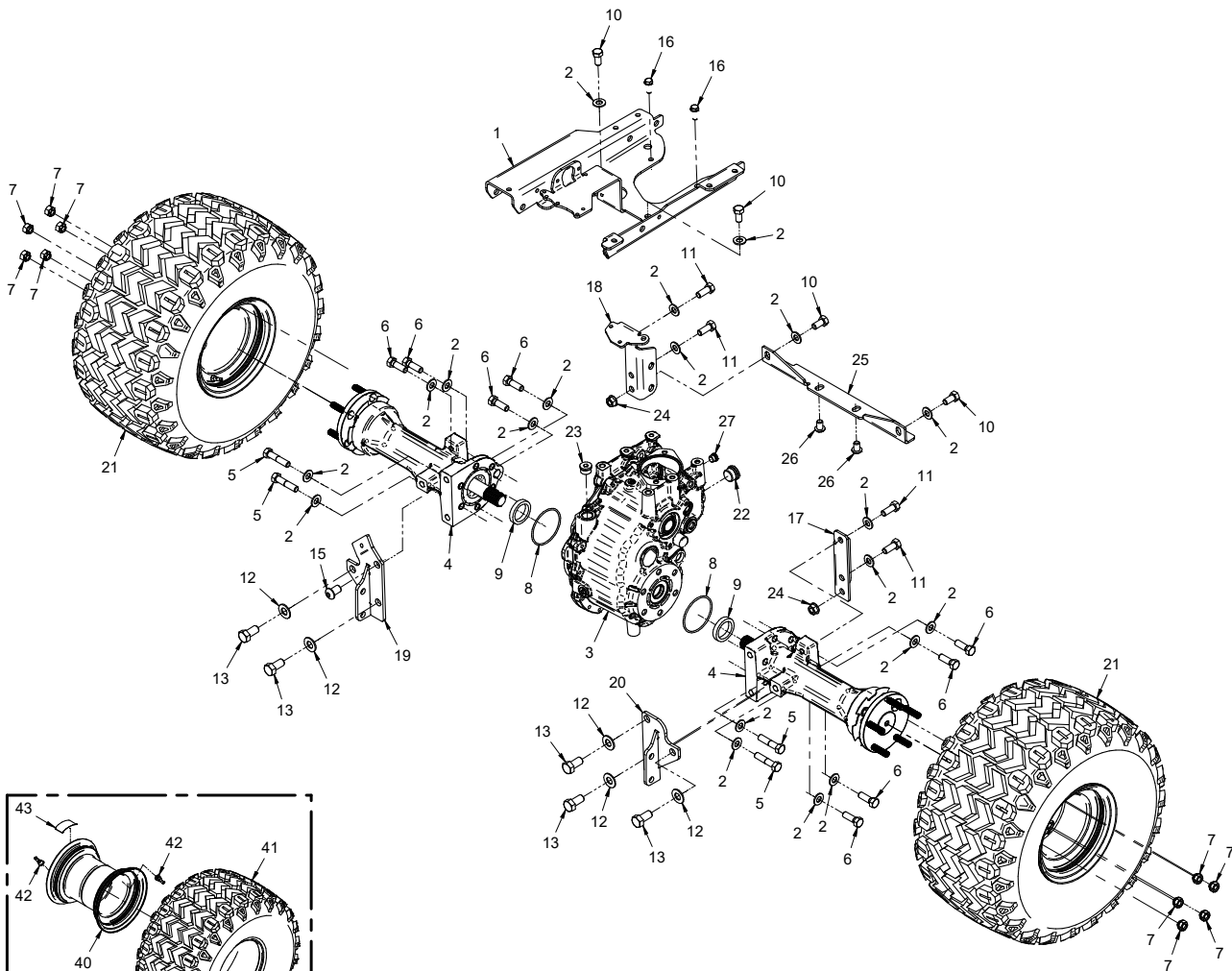
# HYDRAULICS, AXLES, & WHEELS

## Front Transaxle & Wheels

| REF. | PART NO.  | DESCRIPTION                                         | QTY. |
|------|-----------|-----------------------------------------------------|------|
| 1    | 95.08     | .WASHER, FLAT 1/2 SAE                               | 18   |
| 2    | 51.0020   | .TRANSAXLE, PEERLESS (Serial # 01001-12728)         | 1    |
| 2    | 51.0087   | .TRANSAXLE, PEERLESS (Serial # 12729-)              | 1    |
| 3    | 51.0063   | .AXLE, ASM 40MM FORGED SHAFT                        | 2    |
| 4    | 90.0818   | .BOLT, 1/2-13 USS X 2-1/4                           | 4    |
| 5    | 90.0812   | .BOLT, 1/2-13 USS X 1-1/2                           | 12   |
| 6    | 99.E0044  | .NUT, LUG 7/16-20 SAE                               | 10   |
| 7    | 26.0024   | .O-RING 3-1/8 X 3-3/8 X 1/8                         | 2    |
| 8    | 51.0022   | .SPACER, AXLE FOR HOUSING ASSY                      | 2    |
| 9    | 90.0810   | .BOLT, 1/2-13 USS X 1-1/4                           | 2    |
| 10   | 95.10     | .WASHER, FLAT 5/8 SAE                               | 6    |
| 11   | 90.1010   | .BOLT, 5/8-11 USS X 1-1/4                           | 6    |
| 12   | 64.1613   | .BRACKET, CONNECTOR FRAME MT (Serial # 01001-03011) | 1    |
| 12   | 64.1863   | .BRACKET, CONNECTOR FRAME MT (Serial # 03012-)      | 1    |
| 13   | 29.P06H   | .PIPE, PLUG 3/8 HEX ZP (Serial # 01001-12728)       | 1    |
| 14   | 53.0077   | .WHEEL, ASM 22 X 12 X 8 X 5B                        | 2    |
| 15   | 62.1371   | .FRAME, CONNECTOR LINK MOUNT                        | 1    |
| 16   | 90.0606   | .BOLT, 3/8-16 USS X 3/4 (Serial # 03012-)           | 1    |
| 17   | 95.06     | .WASHER, FLAT 3/8 SAE (Serial # 03012-)             | 1    |
| 25   | 51.0063-1 | .HOUSING, AXLE PEERLESS KT                          | 1    |
| 26   | 51.0063-4 | .PLATE, COVER PEERLESS AXLE                         | 1    |
| 27   | 89.0074   | .SEAL, OIL PEERLESS AXLE 51.0063                    | 1    |
| 28   | 51.0063-3 | .SPACER, AXLE PEERLESS KT                           | 1    |
| 29   | 55.0063   | .BEARING, AXLE PEERLESS 51.0063                     | 1    |
| 30   | 95.06     | .WASHER, FLAT 3/8 SAE                               | 4    |
| 31   | 90.0608   | .BOLT, 3/8-16 USS X 1                               | 4    |
| 32   | 99.K0100  | .BOLT, WHL/STD 7/16-20 X 2-1/8                      | 5    |
| 33   | 51.0063-2 | .SHAFT, AXLE ASM PEERLESS                           | 1    |
| 40   | 53.0090   | .RIM, 8 X 8.5, 5 ON 4.5 BC                          | 1    |
| 41   | 53.0089   | .TIRE, FIELD 22 X 12 X 8-NO RIM                     | 1    |
| 42   | 53.0139   | .VALVE STEM                                         | 2    |
| 43   | 00.0348   | .DECAL, WARNING HUB SIDE (Serial # 01001-14497)     | 1    |
| 43   | 00.0645   | .DECAL, HUB SIDE (Serial # 14498-)                  | 1    |
| 45   | 53.0090   | .RIM, 8 X 8.5, 5 ON 4.5 BC                          | 1    |
| 46   | 53.0114   | .TIRE, BAR 21X11X8 NO RIM                           | 1    |
| 47   | 53.0139   | .VALVE STEM                                         | 2    |
| 48   | 00.0348   | .DECAL, WARNING HUB SIDE (Serial # 01001-14497)     | 1    |
| 48   | 00.0645   | .DECAL, HUB SIDE (Serial # 14498-)                  | 1    |
| 49   | 53.0090   | .RIM, 8 X 8.5, 5 ON 4.5 BC                          | 1    |
| 50   | 53.0114   | .TIRE, BAR 21X11X8 NO RIM                           | 1    |
| 51   | 53.0139   | .VALVE STEM                                         | 2    |
| 52   | 00.0348   | .DECAL, WARNING HUB SIDE (Serial # 01001-14497)     | 1    |
| 52   | 00.0645   | .DECAL, HUB SIDE (Serial # 14498-)                  | 1    |
| 55   | 53.0138   | .RIM, 10 X 7 - 5 ON 4.5 BC                          | 1    |
| 56   | 53.0112   | .TIRE, TURFMASTR 22X11X10 NO RIM                    | 1    |
| 57   | 53.0139   | .VALVE STEM                                         | 2    |
| 58   | 00.0348   | .DECAL, WARNING HUB SIDE (Serial # 01001-14497)     | 1    |
| 58   | 00.0645   | .DECAL, HUB SIDE (Serial # 14498-)                  | 1    |
| 60   | 53.0142   | .TUBE, INNER 22 X 12 X 8                            | 4    |

# HYDRAULICS, AXLES, & WHEELS

## ILLUSTRATED DRAWING Rear Transaxle & Wheels



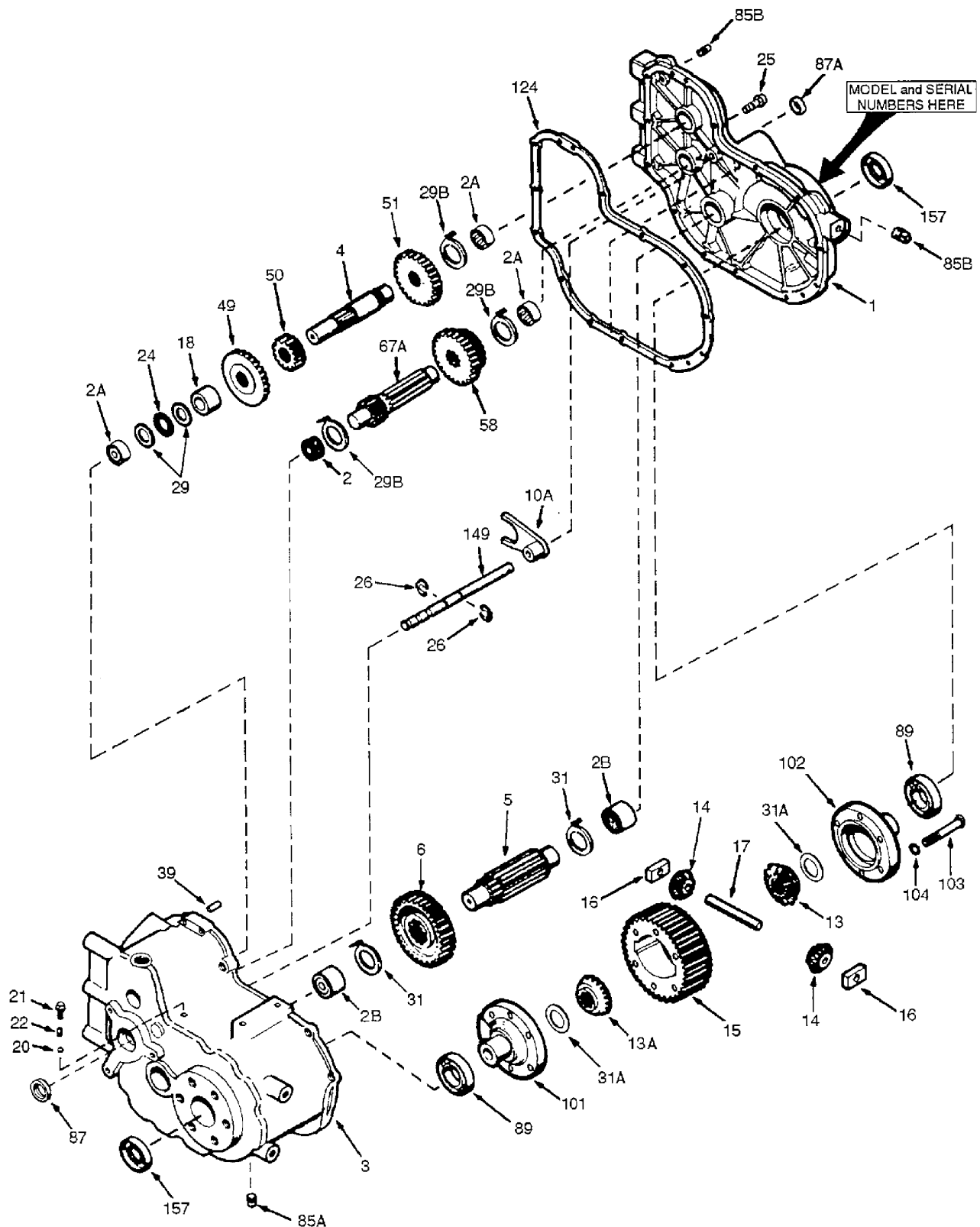
# HYDRAULICS, AXLES, & WHEELS

## Rear Transaxle & Wheels

| REF. | PART NO.     | DESCRIPTION                                          | QTY. |
|------|--------------|------------------------------------------------------|------|
| 1    | 62.1368      | .FRAME, REAR UPPER (Serial # 01001-01374)            | 1    |
| 1    | 62.1394      | .FRAME, REAR UPPER (Serial # 01375-)                 | 1    |
| 2    | 95.08        | .WASHER, FLAT 1/2 SAE                                | 20   |
| 3    | 51.0020      | .TRANSAXLE, PEERLESS (Serial # 01001-12728)          | 1    |
| 3    | 51.0087      | .TRANSAXLE, PEERLESS (Serial # 12729-)               | 1    |
| 4    | 51.0063      | .AXLE, ASM 40MM FORGED SHAFT                         | 2    |
| 5    | 90.0818      | .BOLT, 1/2-13 USS X 2-1/4                            | 4    |
| 6    | 90.0812      | .BOLT, 1/2-13 USS X 1 1/2                            | 8    |
| 7    | 99.E0044     | .NUT, LUG 7/16-20 SAE                                | 10   |
| 8    | 26.0024      | .O-RING 3-1/8 X 3-3/8 X 1/8                          | 2    |
| 9    | 51.0022      | .SPACER, AXLE FOR HOUSING ASSY                       | 2    |
| 10   | 90.0808      | .BOLT, 1/2-13 USS X 1                                | 4    |
| 11   | 90.0810      | .BOLT, 1/2-13 USS X 1-1/4                            | 4    |
| 12   | 95.10        | .WASHER, FLAT 5/8 SAE                                | 5    |
| 13   | 90.1010      | .BOLT, 5/8-11 USS X 1 1/4                            | 5    |
| 15   | 99.1008      | .BOLT, 5/8-11 X 1 BSCS                               | 1    |
| 16   | 99.SF0608    | .BOLT, SRF 3/8-16 USS X 1                            | 2    |
| 17   | 64.1592      | .BRACKET, REAR HITCH MT LEFT (Serial # 01001-02923)  | 1    |
| 17   | 64.1865      | .BRACKET, REAR HITCH MT LEFT (Serial # 02924-)       | 1    |
| 18   | 64.1591      | .BRACKET, REAR HITCH MT RIGHT (Serial # 01001-02923) | 1    |
| 18   | 64.1866      | .BRACKET, REAR HITCH MT RIGHT (Serial # 02924-)      | 1    |
| 19   | 64.1595      | .BRACKET, TRANSAXLE MOUNT RIGHT                      | 1    |
| 20   | 64.1594      | .BRACKET, TRANSAXLE MOUNT LEFT                       | 1    |
| 21   | 53.0077      | .WHEEL, ASM 22 X 12 X 8 X 5B                         | 2    |
| 22   | 29.P12G      | .PIPE, PLUG 3/4" GALV. SQ ZP (Serial # 01001-12728)  | 1    |
| 22   | 25.6408-H-12 | .FITTING, PLUG 12MB X HOLLOW ALLEN (Serial # 12729-) | 1    |
| 23   | 25.6408-H-10 | .FITTING, -10 MB X HOLLOW ALLEN                      | 1    |
| 24   | 99.SF08      | .NUT, SRF 1/2-13 USS (Serial # 02924-)               | 2    |
| 25   | 64.1864      | .BRACKET, REAR TRANSAXLE (Serial # 02924-)           | 1    |
| 26   | 99.0806      | .BOLT, 1/2-13 X 3/4 BSCS (Serial # 02924-)           | 2    |
| 27   | 25.6408-H-06 | .FITTING, PLUG 06MB X HOLLOW ALLEN (Serial # 12729-) | 1    |
| 30   | 51.0063-1    | .HOUSING, AXLE PEERLESS KT                           | 1    |
| 31   | 51.0063-4    | .PLATE, COVER PEERLESS AXLE                          | 1    |
| 32   | 89.0074      | .SEAL, OIL PEERLESS AXLE 51.0063                     | 1    |
| 33   | 51.0063-3    | .SPACER, AXLE PEERLESS KT                            | 1    |
| 34   | 55.0063      | .BEARING, AXLE PEERLESS 51.0063                      | 1    |
| 35   | 95.06        | .WASHER, FLAT 3/8 SAE                                | 4    |
| 36   | 90.0608      | .BOLT, 3/8-16 USS X 1                                | 4    |
| 37   | 99.K0100     | .BOLT, WHL/STD 7/16-20 X 2-1/8                       | 5    |
| 38   | 51.0063-2    | .SHAFT, AXLE ASM PEERLESS                            | 1    |
| 40   | 53.0090      | .RIM, 8 X 8.5, 5 ON 4.5 BC                           | 1    |
| 41   | 53.0089      | .TIRE, FIELD 22 X 12 X 8-NO RIM                      | 1    |
| 42   | 53.0139      | .VALVE STEM                                          | 2    |
| 43   | 00.0348      | .DECAL, WARNING HUB SIDE (Serial # 01001-14497)      | 1    |
| 43   | 00.0645      | .DECAL, HUB SIDE (Serial # 14498-)                   | 1    |
| 45   | 53.0090      | .RIM, 8 X 8.5, 5 ON 4.5 BC                           | 1    |
| 46   | 53.0114      | .TIRE, BAR 21X11X8 NO RIM                            | 1    |
| 47   | 53.0139      | .VALVE STEM                                          | 2    |
| 48   | 00.0348      | .DECAL, WARNING HUB SIDE (Serial # 01001-14497)      | 1    |
| 48   | 00.0645      | .DECAL, HUB SIDE (Serial # 14498-)                   | 1    |
| 49   | 53.0090      | .RIM, 8 X 8.5, 5 ON 4.5 BC                           | 1    |
| 50   | 53.0114      | .TIRE, BAR 21X11X8 NO RIM                            | 1    |
| 51   | 53.0139      | .VALVE STEM                                          | 2    |
| 52   | 00.0348      | .DECAL, WARNING HUB SIDE (Serial # 01001-14497)      | 1    |
| 52   | 00.0645      | .DECAL, HUB SIDE (Serial # 14498-)                   | 1    |
| 55   | 53.0138      | .RIM, 10 X 7 - 5 ON 4.5 BC                           | 1    |
| 56   | 53.0112      | .TIRE, TURFMASTR 22X11X10 NO RIM                     | 1    |
| 57   | 53.0139      | .VALVE STEM                                          | 2    |
| 58   | 00.0348      | .DECAL, WARNING HUB SIDE (Serial # 01001-14497)      | 1    |
| 58   | 00.0645      | .DECAL, HUB SIDE (Serial # 14498-)                   | 1    |
| 60   | 53.0142      | .TUBE, INNER 22 X 12 X 8                             | 4    |

# HYDRAULICS, AXLES, & WHEELS

## ILLUSTRATED DRAWING Model 2600 Transaxle (51.0020/51.0087)



# HYDRAULICS, AXLES, & WHEELS

## Model 2600 Transaxle (51.0020/51.0087)

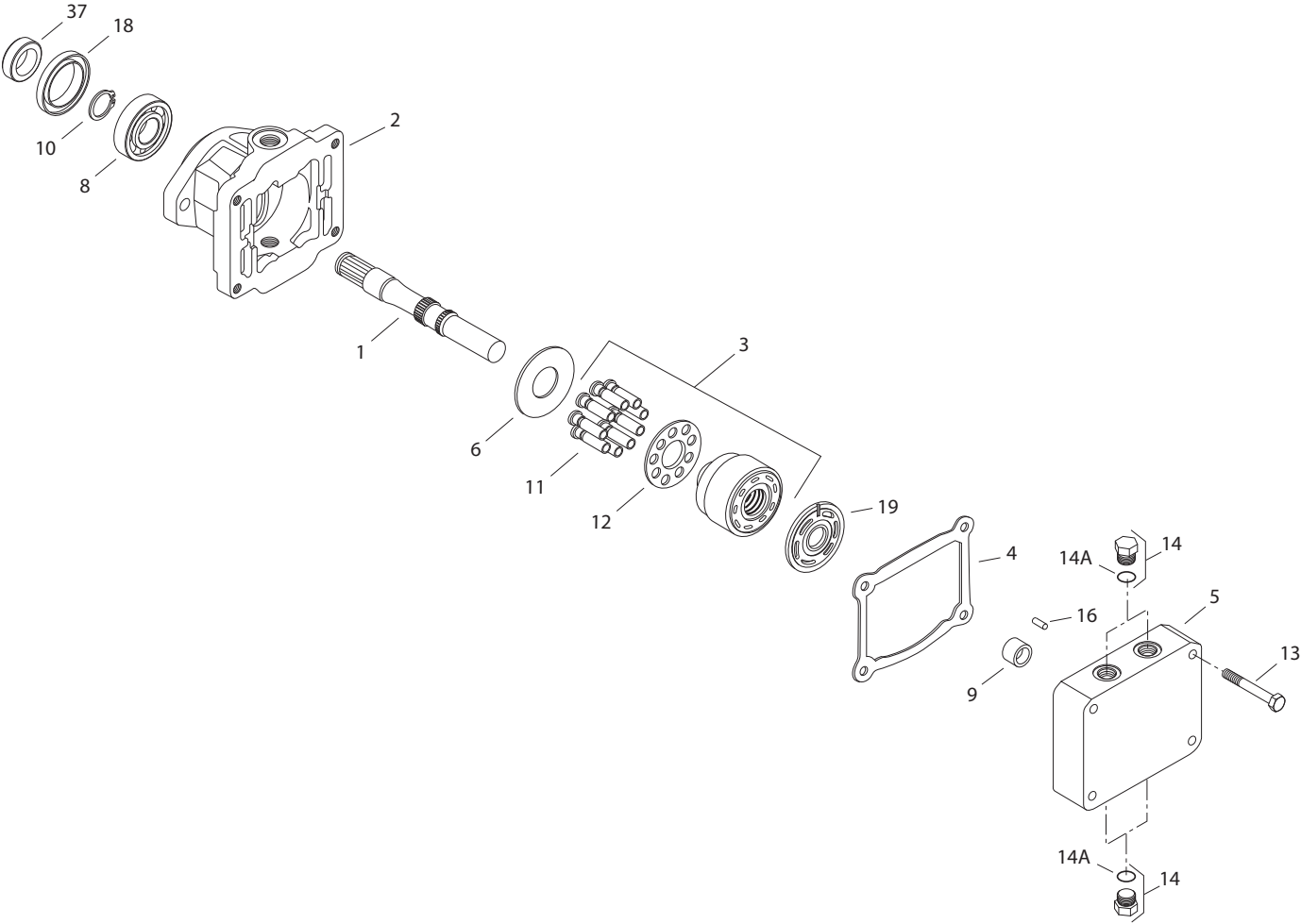
| REF. | PART NO.     | DESCRIPTION                                                       | QTY. |
|------|--------------|-------------------------------------------------------------------|------|
| 1    | 51.0026      | .COVER, 2600 TRANSAXLE (Includes 2A & 2B)* (Serial # 01001-12728) | 1    |
| 1    | 51.0088      | .COVER, 2600 TRANSAXLE (Includes 2A & 2B)* (Serial # 12729-)      | 1    |
| 2    | 55.0037      | .BEARING, 2600 NEEDLE 1.000 ID                                    | 1    |
| 2A   | 55.0038      | .BEARING, 2600 NEEDLE 1.000 ID                                    | 3    |
| 2B   | 55.0041      | .BEARING, 2600 NEEDLE 1.250 ID                                    | 2    |
| 3    | 51.0025      | .CASE, 2600 TRANSAXLE (Serial # 01001-12728)                      | 1    |
| 3    | 51.0089      | .CASE, 2600 TRANSAXLE (Serial # 12729-)                           | 1    |
| 5    | 51.0093      | .SHAFT, OUTPUT                                                    | 1    |
| 10A  | 51.0030      | .FORK, 2600 SHIFT                                                 | 1    |
| 13   | 51.0031      | .GEAR, 2600 BEVEL                                                 | 1    |
| 13A  | 51.0031      | .GEAR, 2600 BEVEL                                                 | 1    |
| 14   | 51.0033      | .PINION, 2600 BEVEL                                               | 2    |
| 24   | 51.0085      | .BEARING, THRUST 1.002 ID X .0781W                                | 1    |
| 29   | 51.0084      | .WASHER, THRUST 1.002 ID X .061W                                  | 2    |
| 29B  | 51.0032      | .WASHER, 2600 THRUST                                              | 3    |
| 31   | 51.0082      | .WASHER, THRUST 1.252 ID X .058W                                  | 2    |
| 31A  | 51.0028      | .WASHER, 2600 THRUST                                              | 2    |
| 39   | 51.0029      | .PIN, DOWEL 2600 5/16 X 3/4                                       | 2    |
| 85A  | 29.P06H      | .PIPE, PLUG 3/8 HEX ZP (Serial # 01001-12728)                     | 1    |
| 85A  | 25.6408-H-08 | .FITTING, -08 MB X HOLLOW ALLEN (Serial # 12729-)                 | 1    |
| 85B  | 29.P02-1     | .PIPE, PLUG 1/8 HEX SOCKET ZP (Serial # 01001-12728)              | 1    |
| 85B  | 25.6408-H-06 | .FITTING, -06 MB X HOLLOW ALLEN (Serial # 12729-)                 | 1    |
| 87   | 89.0046      | .SEAL, BRAKE SHAFT OIL                                            | 1    |
| 87A  | 89.0047      | .SEAL, SHIFTER ROD OIL                                            | 1    |
| 89   | 55.0039      | .BEARING, 2600 NEEDLE 1.5743 ID                                   | 1    |
| 124  | 89.0051      | .GASKET, CASE                                                     | 1    |
| 149  | 51.0027      | .ROD, 2600 SHIFT (HIGH/LOW)                                       | 1    |
| 157  | 89.0049      | .SEAL, OIL - AXLE PEERLESS                                        | 2    |

Listed items are stocked. Check for availability of unlisted parts.

\*Ref. 2 brake shaft bearing must be ordered separately.

# HYDRAULICS, AXLES, & WHEELS

## ILLUSTRATED DRAWING Model 15 Hydraulic Motor (21.0081)





# HYDRAULICS, AXLES, & WHEELS

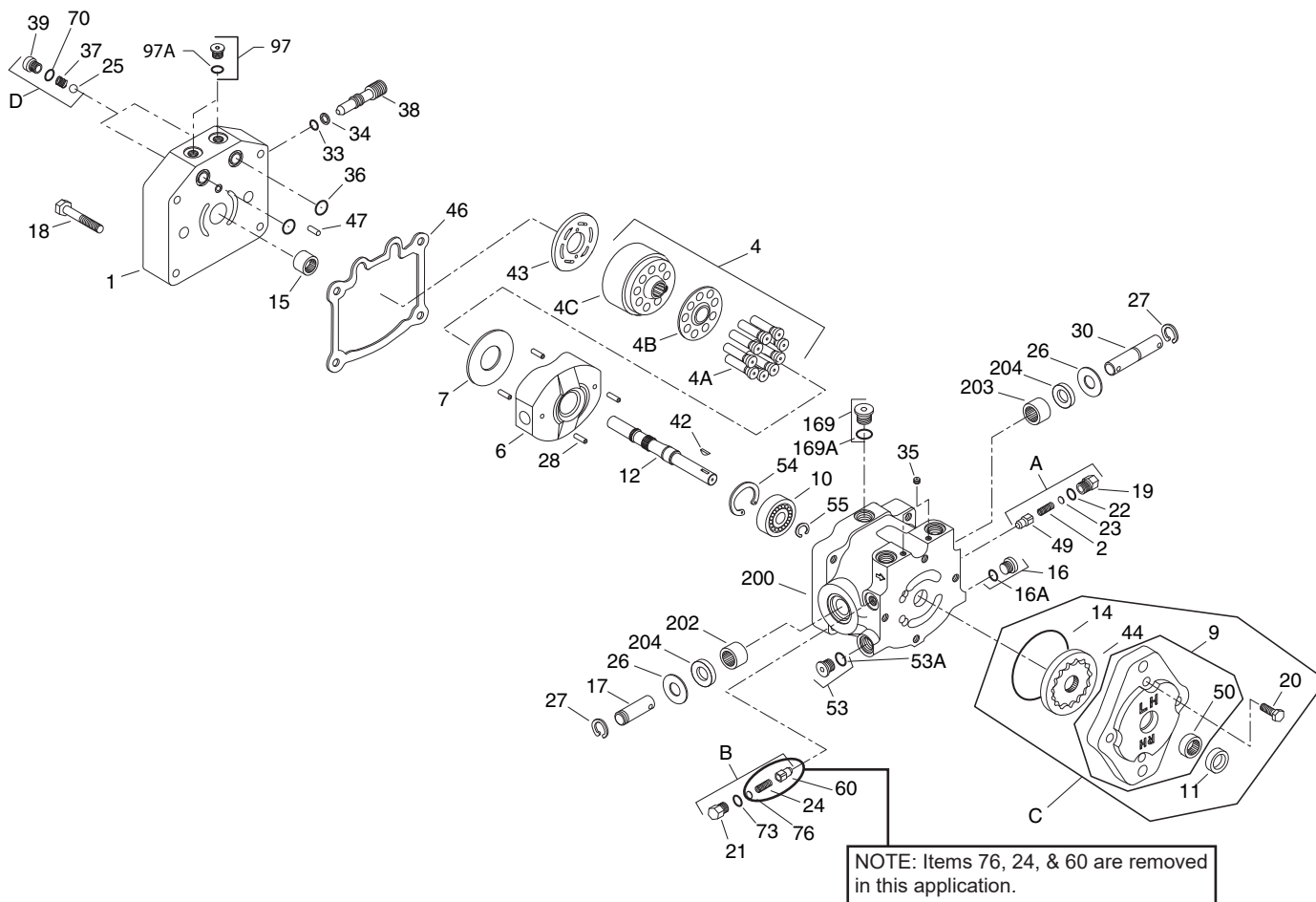
## Model 15 Hydraulic Motor (21.0081)

| REF. | PART NO.   | DESCRIPTION                     | QTY. |
|------|------------|---------------------------------|------|
| 3    | 21.0099    | .KIT, CYL BLOCK SUNDSTRAND      | 1    |
| 4    | 89.0055    | .GASKET, MOTOR 2 BOLT FLANGE    | 1    |
| 6    | 21.0019    | .PLATE, THRUST SUNDSTRAND       | 1    |
| 8    | 55.0031    | .BEARING, BALL-1500 SERIES SUND | 1    |
| 9    | 55.0036    | .BEARING, DU SUNDSTRAND         | 1    |
| 11   | 21.0099-1  | .PISTON, CYLINDER BLOCK         | 9    |
| 12   | 21.0099-2  | .RETAINER, PISTON CYLINDER BLCK | 1    |
| 14   | 25.6408-08 | .FITTING, PLUG 8MB              | 4    |
| 14a  | 26.0037    | .O-RING, -908 FOR MORB-08 VITON | 4    |
| 18   | 89.0062    | .SEAL, SHAFT-SERIES 15 MOTOR    | 1    |
| 19   | 21.0088    | .PLATE, VALVE (MOTOR)           | 1    |

Listed items are stocked. Check for availability of unlisted parts.

# HYDRAULICS, AXLES, & WHEELS

## ILLUSTRATED DRAWING Model 15 Hydraulic Pump (21.0080)



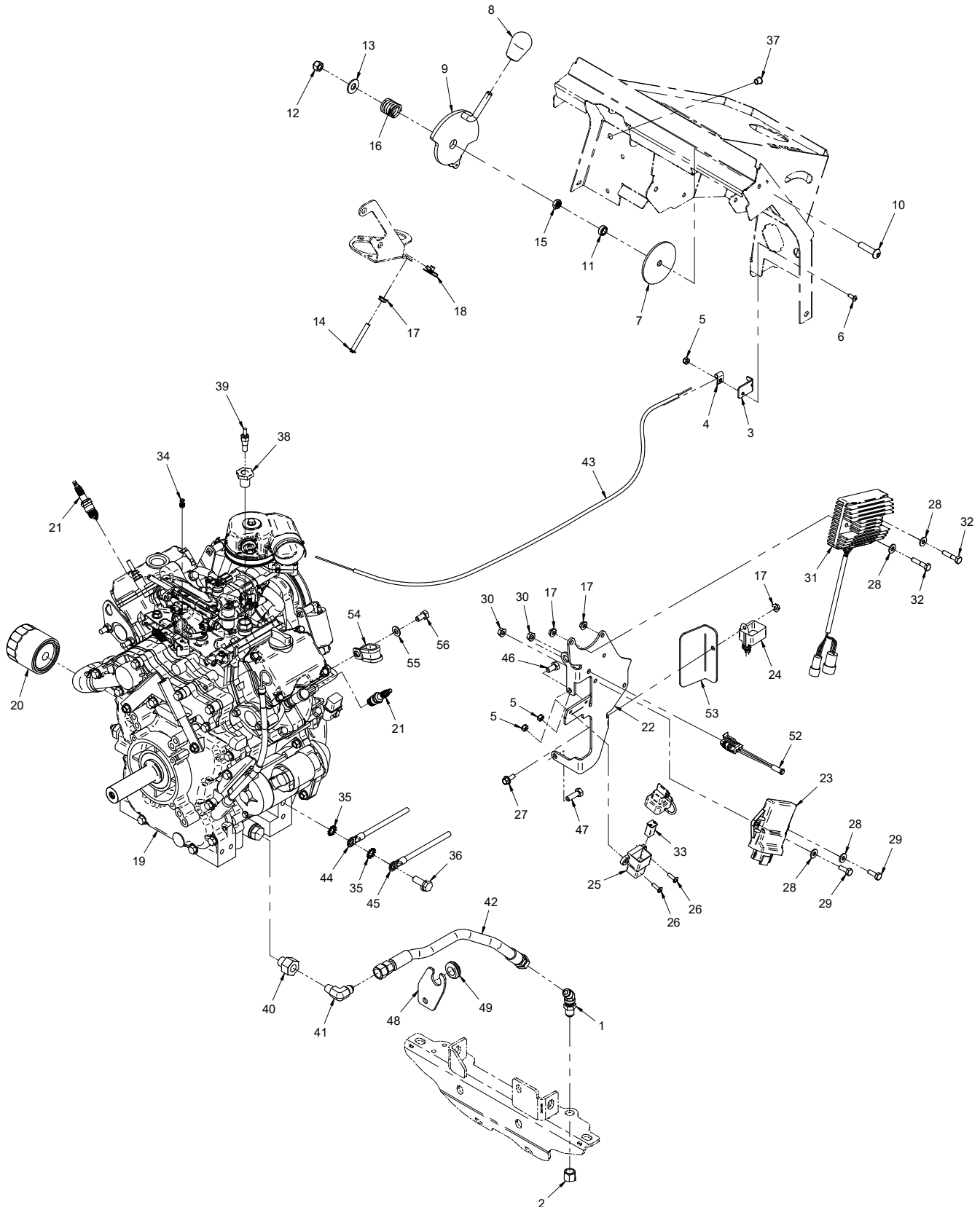
# HYDRAULICS, AXLES, & WHEELS

## Model 15 Hydraulic Pump (21.0080)

| REF. | PART NO.    | DESCRIPTION                                                | QTY. |
|------|-------------|------------------------------------------------------------|------|
| 1    | NOT STOCKED | CAP, END                                                   | 3    |
| 2    | 21.0087     | SPRING, IMPLEMENT RELIEF                                   | 1    |
| 4    | 21.0099     | KIT, CYL BLOCK SUNDSTRAND                                  | 1    |
| 4A   | 21.0099-1   | PISTON, CYLINDER BLOCK                                     | 9    |
| 4B   | 21.0099-2   | RETAINER, PISTON CYLINDER BLCK                             | 1    |
| 4C   | NOT STOCKED | BLOCK, CYLINDER                                            | 1    |
| 6    | 21.0101     | SWASHPLATE, SUNDSTRAND                                     | 1    |
| 7    | 21.0019     | PLATE, THRUST SUNDSTRAND                                   | 1    |
| 9    | 21.0032     | HOUSING, CHARGE PUMP (PUMP SERIAL # A063910905 OR EARLIER) | 1    |
| 9    | 21.0033     | HOUSING, CHARGE PUMP (PUMP SERIAL # A063910906-)           | 1    |
| 10   | 55.0034     | BEARING, BALL SUNDSTRAND                                   | 1    |
| 11   | 89.0052-1   | SEAL, 3/4 SFT X 1 1/4 VITON                                | 1    |
| 12   | 21.0028     | SHAFT, PUMP 15 PV                                          | 1    |
| 14   | 26.0008     | O-RING, 0.103 X 3.487ID X 3.693OD VITON                    | 1    |
| 15   | 55.0025     | BEARING, ROLLER .6875 X .937                               | 1    |
| 16   | NOT STOCKED | PLUG                                                       | 1    |
| 16A  | 26.0038     | O-RING, -910 FOR MORB-10 VITON                             | 1    |
| 17   | 21.0076     | SHAFT, TRUNNION SUNDSTRAND                                 | 1    |
| 18   | NOT STOCKED | SCREW                                                      | 4    |
| 19   | 21.0089     | PLUG, RELIEF VALVE SUNDSTRAND                              | 1    |
| 20   | NOT STOCKED | SCREW                                                      | 4    |
| 21   | NOT STOCKED | PLUG                                                       | 1    |
| 22   | 26.0013     | O-RING, -905 FOR MORB-05 VITON                             | 1    |
| 23   | 21.0093     | SHIM, .020 X 5/16 OD, HI-PRESS                             | 1    |
| 23   | 21.0094     | SHIM, .010 X 5/16 OD, HI-PRESS                             | 1    |
| 23   | 21.0106     | SHIM, .005 X 5/16 OD, HI-PRESS                             | 1    |
| 24   | 41.0091     | SPRING, COMP 1/4"OD X 1" LG                                | 1    |
| 25   | NOT STOCKED | BALL                                                       | 2    |
| 26   | 21.0049     | WASHER, .699 X 1.375 X .059                                | 2    |
| 27   | 04.0014     | SNAP RING, EXT. 11/16 SFT                                  | 2    |
| 28   | 02.CP0605C  | ROLL PIN, 3/16 X 5/8 COILED                                | 4    |
| 30   | 21.0075     | SHAFT, TRUNNION-CTRL-SERIES 15                             | 1    |
| 33   | 26.0025     | O-RING, -012 FOR MORF-06 VITON                             | 1    |
| 34   | 04.0039     | RING, BACK UP                                              | 1    |
| 35   | NOT STOCKED | PLUG, PIPE                                                 | 2    |
| 36   | 26.0009     | O-RING, .070 X .489 ID 90D                                 | 2    |
| 37   | NOT STOCKED | SPRING                                                     | 2    |
| 38   | 23.0165     | VALVE, BYPASS                                              | 1    |
| 39   | NOT STOCKED | PLUG                                                       | 2    |
| 42   | 85.W0305    | KEY, WOODRUFF 3/16" X 5/8"                                 | 1    |
| 43   | 21.0026     | PLATE, VALVE (LH) PUMP                                     | 1    |
| 44   | 21.0027     | GEROTOR, ASM PUMP                                          | 1    |
| 46   | 89.0054     | GASKET, PUMP SUNDSTR.SERIES 15                             | 1    |
| 47   | NOT STOCKED | PIN                                                        | 1    |
| 49   | NOT STOCKED | CONE, CHARGE RELIEF                                        | 1    |
| 50   | 55.0024     | BEARING, NEEDLE 3/4X1 SERIES15                             | 1    |
| 53   | NOT STOCKED | PLUG                                                       | 1    |
| 53A  | 26.0038     | O-RING, -910 FOR MORB-10 VITON                             | 1    |
| 54   | NOT STOCKED | RING, RETAINING                                            | 1    |
| 55   | NOT STOCKED | RING, RETAINING                                            | 1    |
| 60   | NOT STOCKED | CONE, CHARGE RELIEF                                        | 1    |
| 70   | 26.0013     | O-RING, -905 FOR MORB-05 VITON                             | 2    |
| 73   | 26.0013     | O-RING, -905 FOR MORB-05 VITON                             | 1    |
| 76   | 21.0093     | SHIM, .020 X 5/16 OD, HI-PRESS                             | 1    |
| 76   | 21.0094     | SHIM, .010 X 5/16 OD, HI-PRESS                             | 1    |
| 76   | 21.0106     | SHIM, .005 X 5/16 OD, HI-PRESS                             | 1    |
| 97   | NOT STOCKED | PLUG                                                       | 2    |
| 97A  | 26.0035     | O-RING, -904 FOR MORB-04 VITON                             | 2    |
| 169  | NOT STOCKED | PLUG                                                       | 1    |
| 169A | 26.0037     | O-RING, -908 FOR MORB-08 VITON                             | 1    |
| 200  | NOT STOCKED | ASSEMBLY, HOUSING                                          | 1    |
| 202  | 85.B0067    | BUSHING, BEARING JOURNAL                                   | 1    |
| 203  | 85.B0067    | BUSHING, BEARING JOURNAL                                   | 1    |
| 204  | 89.0053-1   | SEAL, .687 SFT X 1.19 VITON                                | 2    |
| A    | NOT STOCKED | KIT, IMPLEMENT RELIEF                                      | 1    |
| B    | NOT STOCKED | KIT, CHARGE RELIEF                                         | 1    |
| C    | NOT STOCKED | KIT, CHARGE PUMP                                           | 1    |
| D    | NOT STOCKED | KIT, CHECK VALVE                                           | 1    |

# ENGINES

## ILLUSTRATED DRAWING 4500P Kawasaki Engine



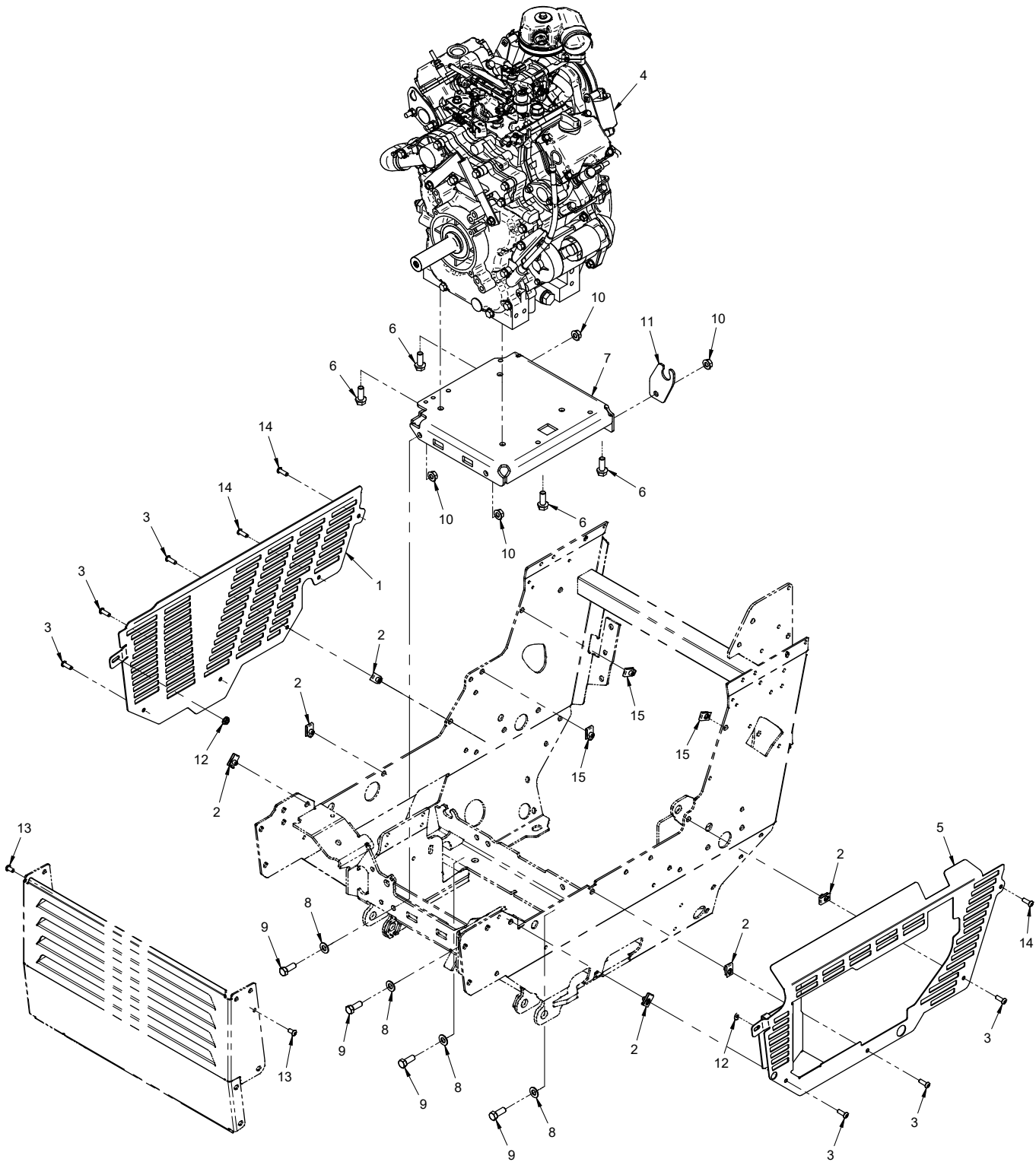
# ENGINES

## 4500P Kawasaki Engine

| REF. | PART NO.        | DESCRIPTION                                         | QTY. |
|------|-----------------|-----------------------------------------------------|------|
| 1    | 25.2702-06-06LN | .FITTING, BULKHEAD 3/8 W/LN 45                      | 1    |
| 2    | 25.304-C-06     | .FITTING, CAP 3/8 #6 JIC                            | 1    |
| 3    | 64.1700         | .BRACKET, CABLE END                                 | 1    |
| 4    | 45.0050         | .CLAMP, CABLE                                       | 1    |
| 5    | 99.A1032N       | .LOCKNUT, NYLON 10-32 STAINLESS                     | 3    |
| 6    | 99.K0062        | .MACHINE SCREW, #10-32 X 1/2                        | 1    |
| 7    | 05.0013         | .WASHER, FRIC. 3 OD X 13/32 ID                      | 1    |
| 8    | 47.0001         | .KNOB, SM. #80 3/8-16 THREAD                        | 1    |
| 9    | 40.0377         | .LEVER, THROTTLE                                    | 1    |
| 10   | 99.0614         | .BOLT, 3/8-16 X 1-3/4 BSCS                          | 1    |
| 11   | 64.0602         | .BUSHING, 3/8 X 5/8 X .265                          | 1    |
| 12   | 99.A06N         | .LOCKNUT, NYLON 3/8-16 USS                          | 1    |
| 13   | 94.06           | .WASHER, FLAT 3/8 USS                               | 1    |
| 14   | 99.0416         | .BOLT, 1/4-20 X 2 BSCS                              | 1    |
| 15   | 99.E0113        | .NUT, JAM 3/8-16 NYLON LOCK GR8                     | 1    |
| 16   | 41.0107         | .SPRING, COMP. .970" OD X 1" LG                     | 1    |
| 17   | 99.SF04         | .NUT, SRF 1/4-20 USS                                | 3    |
| 18   | 99.E0046        | .NUT, "U" 1/4-20 EXTRUDED                           | 1    |
| 19   | 13.0244         | .ENGINE, KAWASAKI 31 HP GAS LC                      | 1    |
| 20   | 13.0268         | .FILTER, ENGINE OIL KAWASAKI                        | 1    |
| 21   | 13.0284         | .PLUG, SPARK NGK BPR4ES                             | 2    |
| 22   | 64.1647         | .BRACKET, CDI, R&R MOUNT (Serial # 01001-03821)     | 1    |
| 22   | 64.1900         | .BRACKET, CDI, R&R MOUNT (Serial # 03822-)          | 1    |
| 23   | 13.211752065    | .ENGINE CONTROL UNIT (ECU)                          | 1    |
| 24   | 13.0302         | .RELAY ASSEMBLY, KAWASAKI                           | 1    |
| 25   | 30.0402         | .FUSE HOLDER, 50A J CASE                            | 1    |
| 26   | 99.K0071        | .MACHINE SCREW, #10-32 X 5/8                        | 2    |
| 27   | 99.SF0405-1     | .BOLT, SMF 1/4-20 X 5/8                             | 1    |
| 28   | 95.04           | .WASHER, FLAT 1/4 SAE                               | 4    |
| 29   | 90.0406         | .BOLT, 1/4-20 USS X 3/4                             | 2    |
| 30   | 99.E0101        | .NUT, LOCKING FLANGE 1/4-20                         | 2    |
| 31   | 13.0351         | .REGULATOR, 30 AMP KAWASAKI                         | 1    |
| 32   | 90.0410         | .BOLT, 1/4-20 USS X 1/1-4"                          | 2    |
| 33   | 30.0373         | .FUSE, 40A J-CASE GREEN                             | 1    |
| 34   | 47.0234         | .THROTTLE CONTROL, WIRE SWIVEL                      | 1    |
| 35   | 99.G0004        | .WASHER, STAR-EXTERNAL 3/8                          | 2    |
| 36   | 99.M0020        | .BOLT, M10 X 1.5 X 25MM FLANGE                      | 1    |
| 37   | 05.0087         | .PLUG, 3/8" HOLE, BLACK                             | 1    |
| 38   | 14.0049         | .ADAPTER, M16-1.5 X 1/8 FP (Serial # 01001-02476)   | 1    |
| 38   | 14.0052         | .ADAPTER, M16-1.5 X 1/8 FNPT (Serial # 02477-15488) | 1    |
| 38   | 14.0049         | .ADAPTER, M16-1.5 X 1/8 FP (Serial # 15489-)        | 1    |
| 39   | 13.0286         | .SENDING UNIT, TEMPERATURE (Serial # 01001-02476)   | 1    |
| 39   | 13.0309         | .SENDING UNIT, TEMPERATURE (Serial # 02477-15488)   | 1    |
| 39   | 13.0286         | .SENDING UNIT, TEMPERATURE (Serial # 15489)         | 1    |
| 40   | 14.0015         | .FITTING, ADAPTER 1/4 X M16                         | 1    |
| 41   | 25.2501-06-04   | .FITTING, 90 ME 3/8 X 1/4                           | 1    |
| 42   | 22.0060         | .HOSE, 3/8X15.50 PLK 250 PSI CPE                    | 1    |
| 43   | 47.0322         | .CABLE, THROTTLE KN                                 | 1    |
| 44   | 32.0103         | .CABLE, ASM NEG 4GA                                 | 1    |
| 45   | 32.0112         | .CABLE, ASM NEG 4GA                                 | 1    |
| 46   | 99.M0014        | .BOLT, M8 X 1.25 X 16MM                             | 1    |
| 47   | 99.M0009        | .BOLT, M8 X 1.25 P X 25MM LONG                      | 1    |
| 48   | 64.1728         | .BRACKET, OIL DRAIN HOSE                            | 1    |
| 49   | 05.0140         | .GROMMET, 5/8 ID, 1-1/8 OD, 3/8T                    | 1    |
| 52   | 33.0063-1       | .LIGHT, LED SUPER YELLOW (Serial # 02860-)          | 1    |
| 53   | 60.1266         | .SHIELD, WIRE PROTECTION (Serial # 03822-)          | 1    |
| 54   | 11.0046         | .CLAMP, CUSHIONED 1/2" 2-TUBE (Serial # 06269-)     | 1    |
| 55   | 95.05           | .WASHER, FLAT 5/16 SAE (Serial # 06269-)            | 1    |
| 56   | 99.M0014        | .BOLT, M8 X 1.25 X 16MM (Serial # 06269-)           | 1    |

# ENGINES

## ILLUSTRATED DRAWING 4500P Kawasaki Engine Mount



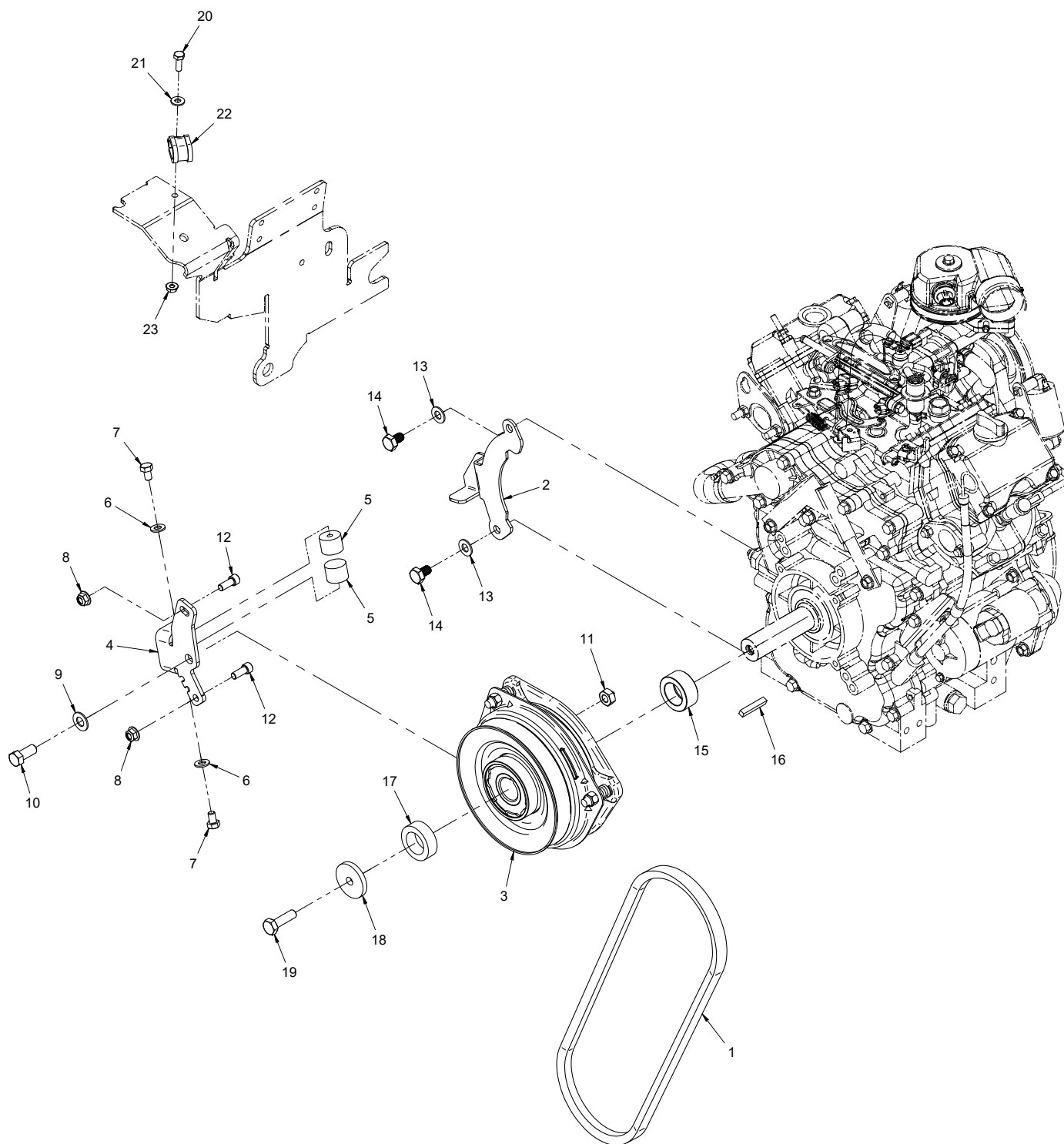
# ENGINES

## 4500P Kawasaki Engine Mount

| REF. | PART NO. | DESCRIPTION                                     | QTY. |
|------|----------|-------------------------------------------------|------|
| 1    | 60.1208  | .COVER, ENGINE RIGHT 4500                       | 1    |
| 2    | 99.E0046 | .NUT, "U" 1/4-20 EXTRUDED                       | 6    |
| 3    | 99.0406  | .BOLT, 1/4-20 X 3/4 BSCS                        | 6    |
| 4    | 13.0244  | .ENGINE, KAWASAKI 31 HP GAS LC                  | 1    |
| 5    | 60.1210  | .COVER, ENGINE LEFT 4500P                       | 1    |
| 6    | 99.M0020 | .BOLT, M10 X 1.5 X 25MM FLANGE                  | 4    |
| 7    | 64.1632  | .MOUNT, ENGINE 2 CYL                            | 1    |
| 8    | 95.06    | .WASHER, FLAT 3/8 SAE                           | 4    |
| 9    | 90.0608  | .BOLT, 3/8-16 USS X 1                           | 4    |
| 10   | 99.SF06  | .NUT, SRF 3/8-16 USS                            | 4    |
| 11   | 64.1728  | .BRACKET, OIL DRAIN HOSE                        | 1    |
| 12   | 99.SF04  | .NUT, SRF 1/4-20 USS                            | 2    |
| 13   | 99.0404  | .BOLT, 1/4-20 X 1/2 BSCS                        | 2    |
| 14   | 99.0404  | .BOLT, 1/4-20 X 1/2 BSCS (Serial # 01001-03966) | 3    |
| 14   | 99.0406  | .BOLT, 1/4-20 X 3/4 BSCS (Serial # 03967-)      | 3    |
| 15   | 99.SF04  | .NUT, SRF 1/4-20 USS (Serial # 01001-03966)     | 3    |
| 15   | 99.E0046 | .NUT, "U" 1/4-20 EXTRUDED (Serial # 03967-)     | 3    |

# ENGINES

## ILLUSTRATED DRAWING 4500P Kawasaki PTO Clutch





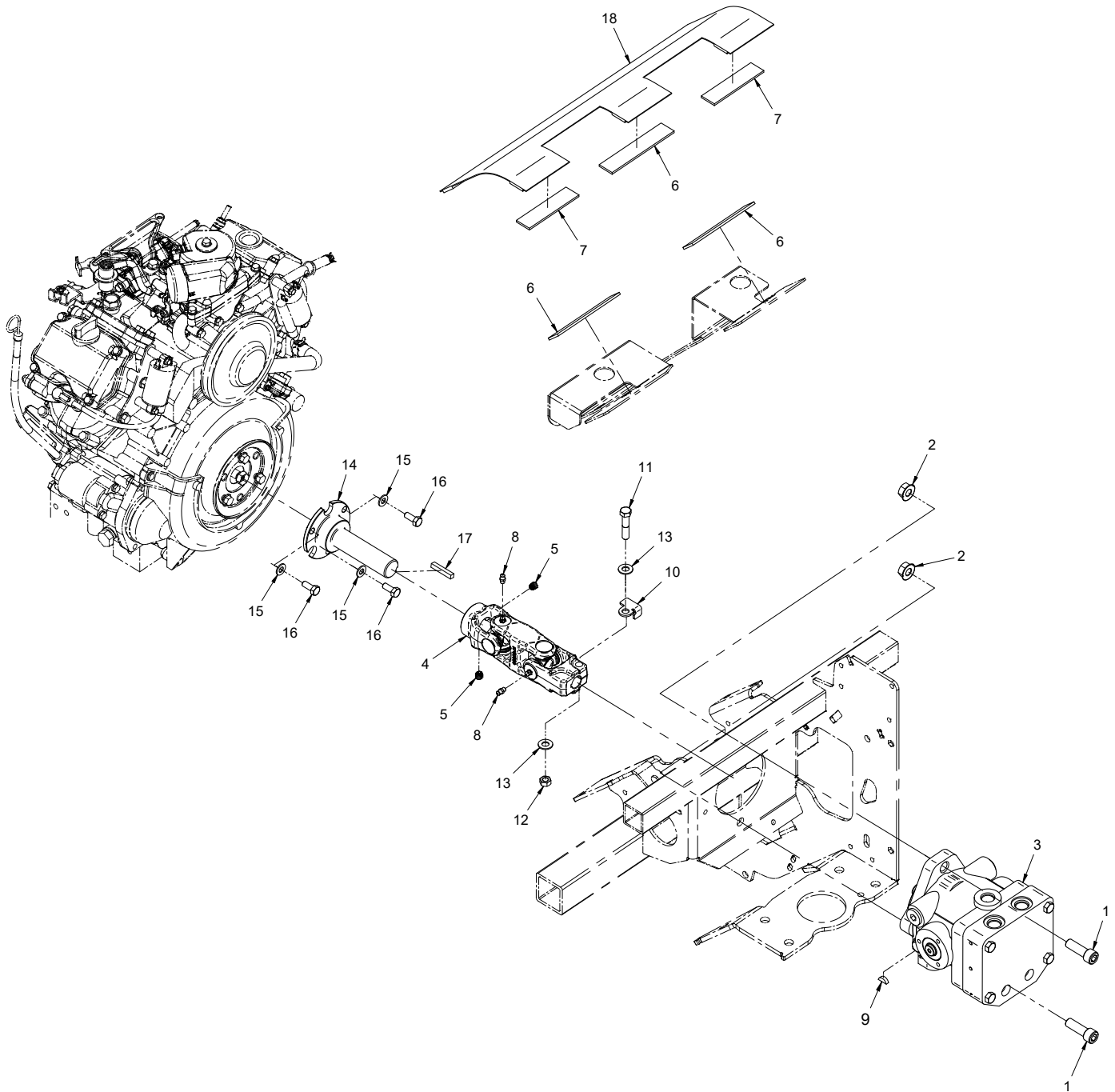
# ENGINES

## 4500P Kawasaki PTO Clutch

| REF. | PART NO. | DESCRIPTION                     | QTY. |
|------|----------|---------------------------------|------|
| 1    | 81.B038  | .BELT, B38                      | 1    |
| 2    | 64.1696  | .BRACKET, CLUTCH STOP           | 1    |
| 3    | 37.0060  | .CLUTCH, ELECTRIC OGURA GT3.5   | 1    |
| 4    | 64.1698  | .BRACKET, CLUTCH TORQUE         | 1    |
| 5    | 05.0110  | .BUMPER, RUBBER 1" DIA          | 2    |
| 6    | 95.05    | .WASHER, FLAT 5/16 SAE          | 2    |
| 7    | 90.0504  | .BOLT, 5/16-18 USS X 1/2"       | 2    |
| 8    | 99.E0102 | .NUT, LOCKING FLANGE 5/16-18    | 2    |
| 9    | 95.07    | .WASHER, FLAT 7/16 SAE          | 1    |
| 10   | 90.0708  | .BOLT, 7/16-14 USS X 1          | 1    |
| 11   | 99.A07   | .LOCKNUT, STOVER 7/16-14 USS    | 1    |
| 12   | 99.K0134 | .BOLT, SHCS 5/16-18 X 3/4       | 2    |
| 13   | 95.06    | .WASHER, FLAT 3/8 SAE           | 2    |
| 14   | 99.M0012 | .BOLT, M10 X 1.5 X 25MM         | 2    |
| 15   | 64.1172  | .SPACER, INNER CLUTCH           | 1    |
| 16   | 85.K0412 | .KEY, 1/4 X 1-1/2               | 1    |
| 17   | 64.1079  | .BUSHING, CLUTCH SPACER - OUTER | 1    |
| 18   | 99.B0065 | .WASHER, 1/4 X 1.75 X .406 HOLE | 1    |
| 19   | 99.M0017 | .BOLT, M10 X 1.5 X 35 MM        | 1    |
| 20   | 90.0406  | .BOLT, 1/4-20 USS X 3/4         | 1    |
| 21   | 95.04    | .WASHER, FLAT 1/4 SAE           | 1    |
| 22   | 11.0046  | .CLAMP, CUSHIONED 1/2" 2-TUBE   | 1    |
| 23   | 99.SF04  | .NUT, SRF 1/4-20 USS            | 1    |

# ENGINES

## ILLUSTRATED DRAWING 4500P Kawasaki Drive Shaft & Pump



# ENGINES

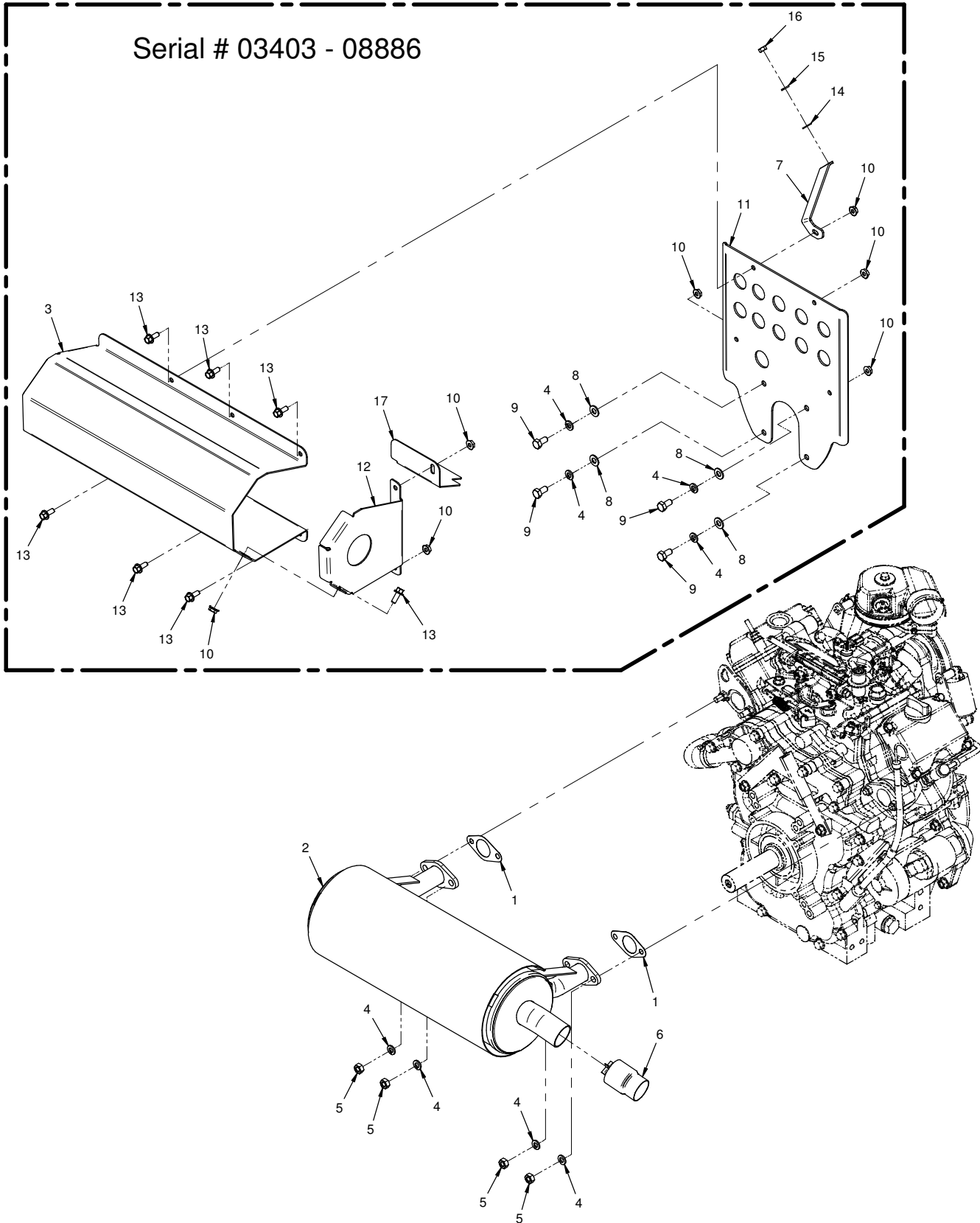
## 4500P Kawasaki Drive Shaft & Pump

| REF. | PART NO.    | DESCRIPTION                     | QTY. |
|------|-------------|---------------------------------|------|
| 1    | 99.K0039    | .BOLT, SHCS 1/2 X 1 1/2         | 2    |
| 2    | 99.SF08     | .NUT, SRF 1/2-13 USS            | 2    |
| 3    | 21.0080     | .PUMP, HYD. CCW 1000 PSI        | 1    |
| 4    | 87.0232     | .U-JOINT, 4500                  | 1    |
| 5    | 85.SS21     | .SET SCREW, 3/8-16 X 3/8        | 2    |
| 6    | 06.0065-5IN | .VELCRO, LOOP 1" BLACK X 5"     | 3    |
| 7    | 06.0065-4IN | .VELCRO, LOOP 1" BLACK X 4"     | 2    |
| 8    | 29.GF0001   | .GREASE FTG, 1/4 SAE ST         | 2    |
| 9    | 85.W0305    | .KEY, WOODRUFF 3/16" X 5/8"     | 1    |
| 10   | 64.1654     | .PLATE, DRIVESHAFT TACH TRIGGER | 1    |
| 11   | 90.0614     | .BOLT, 3/8-16 USS X 1-3/4       | 1    |
| 12   | 99.A06      | .LOCKNUT, STOVER 3/8-16 USS     | 1    |
| 13   | 95.06       | .WASHER, FLAT 3/8 SAE           | 2    |
| 14   | 13.0259     | .STUB SHAFT, PUMP DRIVE KAW     | 1    |
| 15   | 95.05       | .WASHER, FLAT 5/16 SAE          | 3    |
| 16   | 99.M0005    | .BOLT, M8 X 1.25 P X 20MM LONG  | 3    |
| 17   | 85.K0412    | .KEY, 1/4 X 1-1/2               | 1    |
| 18   | 44.0322     | .CANVAS, DEBRIS BARRIER         | 1    |

# ENGINES

## ILLUSTRATED DRAWING 4500P Kawasaki Muffler

Serial # 03403 - 08886



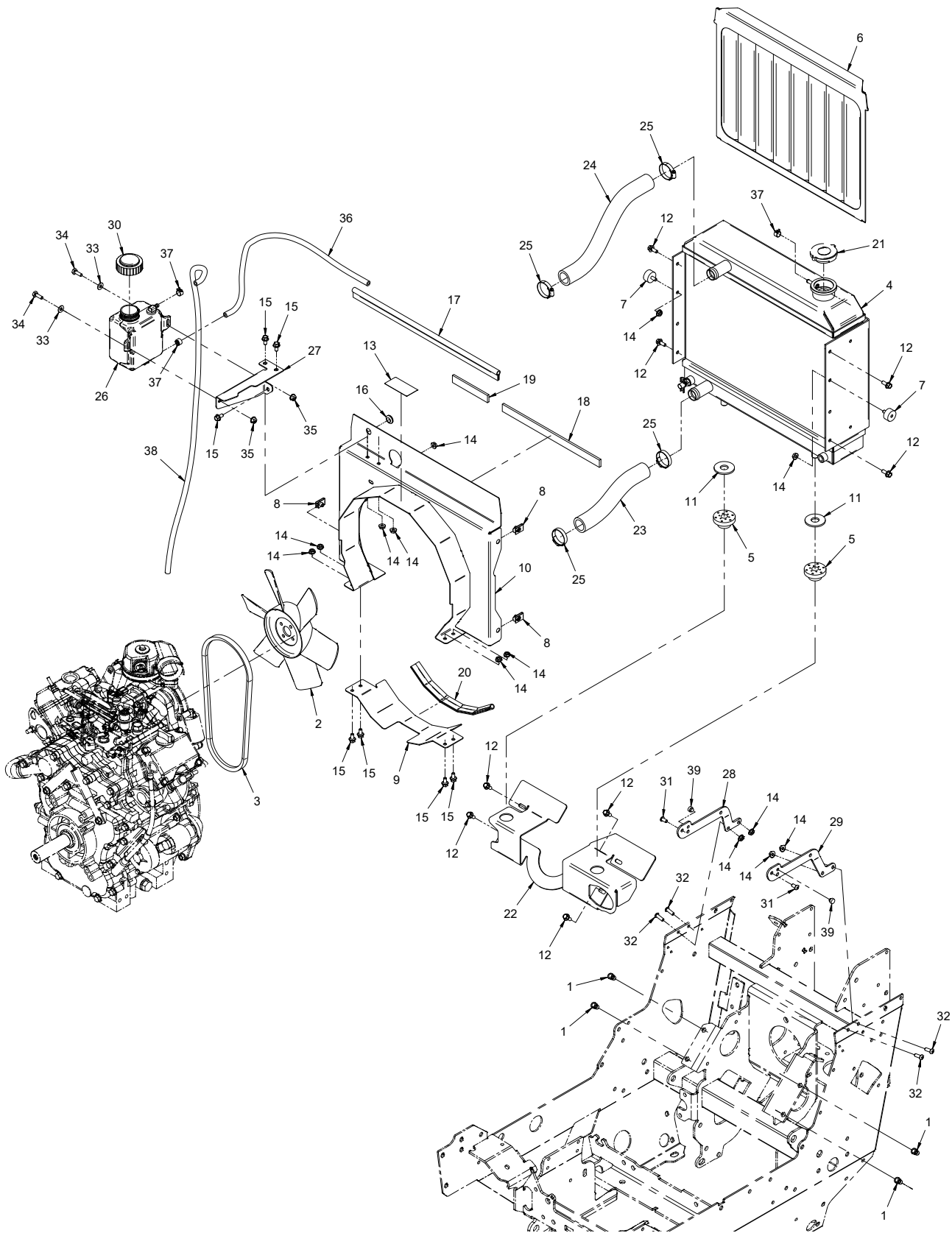
# ENGINES

## 4500P Kawasaki Muffler

| REF. | PART NO.    | DESCRIPTION                                         | QTY. |
|------|-------------|-----------------------------------------------------|------|
| 1    | 13.0197     | .GASKET, EXHAUST KAWASAKI                           | 2    |
| 2    | 13.0245     | .MUFFLER, KAWASAKI 31 HP GAS (Serial # 03403-08886) | 1    |
| 2    | 13.0314     | .MUFFLER, KAWASAKI FD851D (Serial # 08887-)         | 1    |
| 3    | 60.1255-1   | .SHIELD, MUFFLER W/HEAT TAPE (Serial # 03403-08886) | 1    |
| 4    | 96.05       | .WASHER, LOCK 5/16                                  | 8    |
| 5    | 99.M0008    | .NUT, M8 X 1.25MM ZP                                | 4    |
| 6    | 13.0307     | .TUBE, SPARK ARRESTOR 1.5"                          | 1    |
| 7    | 64.1858     | .BRACE, MUFFLER HEAT 4500P (Serial # 03403-08886)   | 1    |
| 8    | 95.05       | .WASHER, FLAT 5/16 SAE (Serial # 03403-08886)       | 4    |
| 9    | 99.M0014    | .BOLT, M8 X 1.25 X 16MM (Serial # 03403-08886)      | 4    |
| 10   | 99.SF04     | .NUT, SRF 1/4-20 USS (Serial # 03403-08886)         | 7    |
| 11   | 64.1859     | .MOUNT, MUFFLER HEAT 4500P (Serial # 03403-08886)   | 1    |
| 12   | 60.1264     | .SHIELD, END HEAT MUFFLER (Serial # 03403-08886)    | 1    |
| 13   | 99.SF0405-1 | .BOLT, SMF 1/4-20 X 5/8 (Serial # 03403-08886)      | 7    |
| 14   | 99.B0051    | .WASHER, FLAT #10 (Serial # 03403-08886)            | 1    |
| 15   | 96.04       | .WASHER, LOCK 1/4 (Serial # 03403-08886)            | 1    |
| 16   | 99.M0031    | .NUT, M6 X 1.0MM (Serial # 03403-08886)             | 1    |
| 17   | 60.1303-1   | .SHIELD, MUFFLER HEAT (Serial # 05606-08886))       | 1    |

# ENGINES

## ILLUSTRATED DRAWING 4500P Kawasaki Cooling System



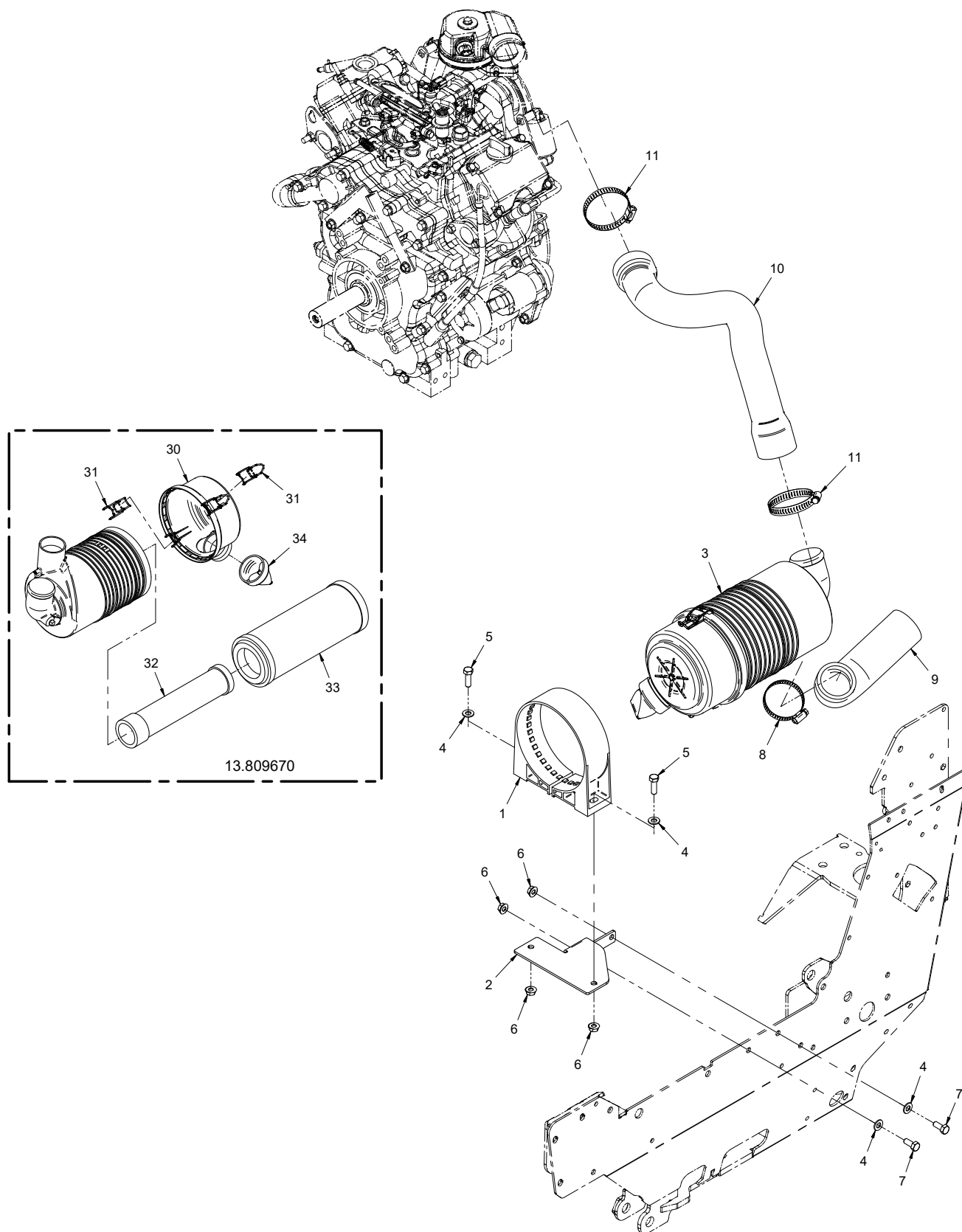
# ENGINES

## 4500P Kawasaki Cooling System

| REF. | PART NO.        | DESCRIPTION                                      | QTY. |
|------|-----------------|--------------------------------------------------|------|
| 1    | 99.E0105        | .NUT, INSERT 1/4-20 HEX                          | 4    |
| 2    | 13.0189         | .FAN, KAWASAKI 11"                               | 1    |
| 3    | 81.0132         | .BELT, FAN KAWASAKI                              | 1    |
| 4    | 47.0321         | .RADIATOR, KN KAWASAKI                           | 1    |
| 5    | 05.0107         | .ISOLATOR, 9/16 ID X 1-29/32 OD                  | 2    |
| 6    | 64.1620         | .SCREEN, RADIATOR - 47.0302                      | 2    |
| 7    | 05.0135         | .ISOLATOR, 1/4-20 X 1/2 X 1" F/M                 | 2    |
| 8    | 99.E0046        | .NUT, "U" 1/4-20 EXTRUDED                        | 4    |
| 9    | 64.1644         | .BRACKET, RADIATOR SHROUD                        | 1    |
| 10   | 60.1155         | .SHROUD, RADIATOR - 47.0321                      | 1    |
| 11   | 94.10           | .WASHER, FLAT 5/8 USS                            | 2    |
| 12   | 99.SF0405-1     | .BOLT, SMF 1/4-20 X 5/8                          | 8    |
| 13   | 00.0341         | .DECAL, WARNING FAN (Serial # 01001-14497)       | 1    |
| 13   | 00.0638         | .DECAL, FAN BLADE HAZARD (Serial # 14498-)       | 1    |
| 14   | 99.SF04         | .NUT, SRF 1/4-20 USS                             | 13   |
| 15   | 99.SF0404-1     | .BOLT, SMF 1/4-20 X 1/2                          | 7    |
| 16   | 05.0136         | .GROMMET, 7/16ID, 3/4OD, 1/4THK                  | 1    |
| 17   | 06.0043-17.5IN  | .TRIM, TRIM SEAL W/ BULB X 17-1/2"               | 1    |
| 18   | 06.0045-11.75IN | .WEATHERSTRIP, 1/8 X 3/4 X 11-3/4"               | 1    |
| 19   | 06.0045-4.25IN  | .WEATHERSTRIP, 1/8 X 3/4 X 4-1/4"                | 1    |
| 20   | 06.0043-10IN    | .TRIM, TRIM SEAL W/ BULB X 10"                   | 1    |
| 21   | 47.0334         | .CAP, RADIATOR 14#                               | 1    |
| 22   | 64.1704         | .BRACKET, RADIATOR MOUNT BOTTOM                  | 1    |
| 23   | 13.0261         | .HOSE, RADIATOR LOWER KAW                        | 1    |
| 24   | 13.0260         | .HOSE, RADIATOR UPPER KAW                        | 1    |
| 25   | 11.0052         | .CLAMP, HOSE SS 13/16 X 1-1/2                    | 4    |
| 26   | 47.0317         | .TANK, COOLANT RECOVER                           | 1    |
| 27   | 64.1640         | .BRACKET, COOLANT RECOVERY TANK                  | 1    |
| 28   | 64.1629         | .BRACKET, RADIATOR MOUNT RIGHT                   | 1    |
| 29   | 64.1642         | .BRACKET, RADIATOR MOUNT LEFT                    | 1    |
| 30   | 47.0319         | .CAP, COOLANT RECOVERY TANK                      | 1    |
| 31   | 99.0404         | .BOLT, 1/4-20 X 1/2 BSCS                         | 2    |
| 32   | 99.0406         | .BOLT, 1/4-20 X 3/4 BSCS                         | 4    |
| 33   | 95.04           | .WASHER, FLAT 1/4 SAE                            | 2    |
| 34   | 90.0406         | .BOLT, 1/4-20 USS X 3/4"                         | 2    |
| 35   | 99.E0101        | .NUT, LOCKING FLANGE 1/4-20                      | 2    |
| 36   | 27.A04-21IN     | .HOSE, NEOP BLACK 1/4 X 7/16 X 21"               | 1    |
| 37   | 11.0049         | .CLAMP, HOSEBAND 1/4X1/2 HOSE                    | 3    |
| 38   | 27.A04-36IN     | .HOSE, NEOP BLACK 1/4 X 7/16 X 36"               | 1    |
| 39   | 05.0120         | .BUMPER, NEOPRENE 10 GA - 1/4 (Serial # 01323 -) | 2    |

# ENGINES

## ILLUSTRATED DRAWING 4500P Kawasaki Air Intake





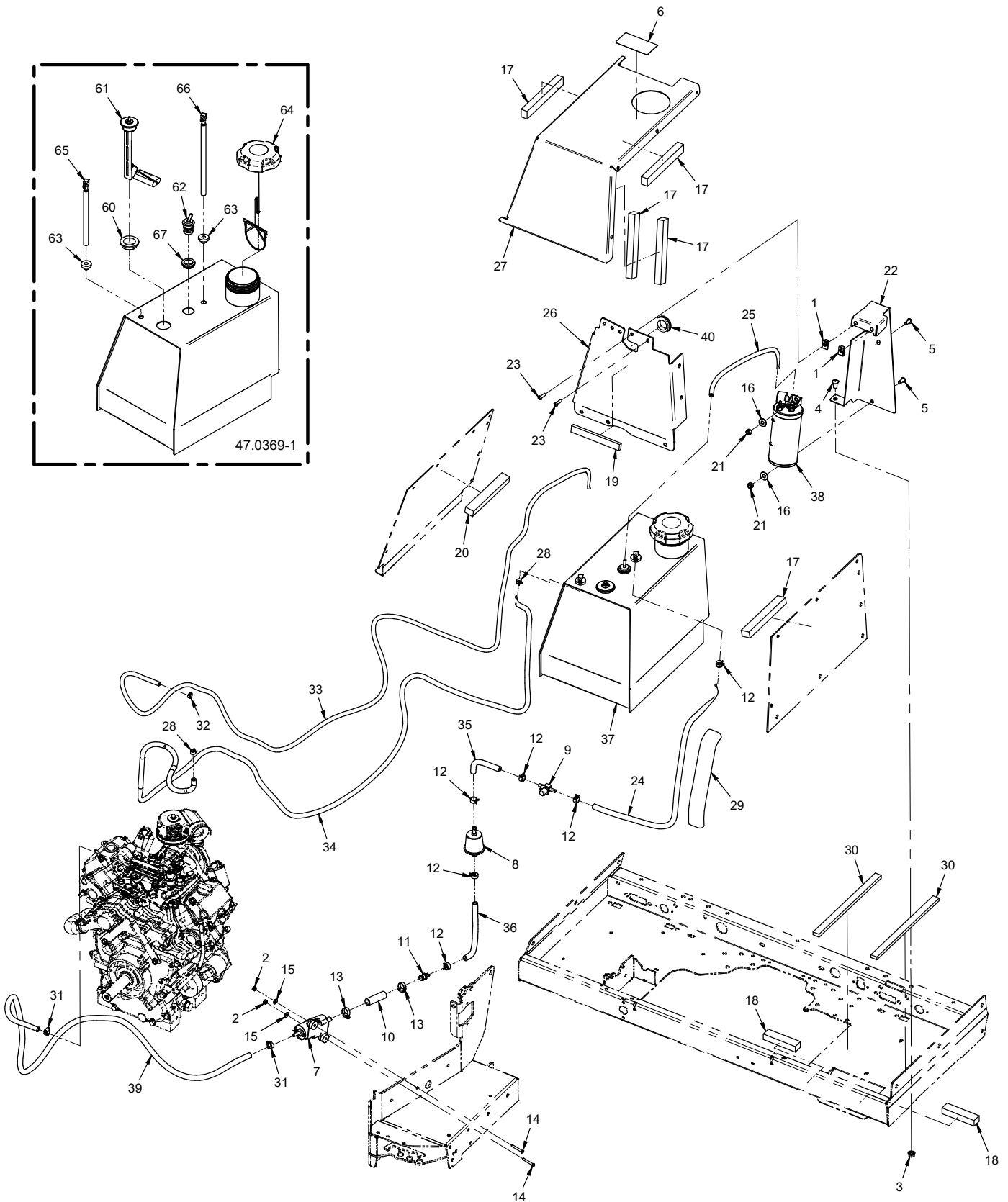
# ENGINES

## 4500P Kawasaki Air Intake

| REF. | PART NO.  | DESCRIPTION                    | QTY. |
|------|-----------|--------------------------------|------|
| 1    | 13.0231   | .CLAMP, AIR FILTER 5" PLASTIC  | 1    |
| 2    | 64.1694   | .BRACKET, AIR CLEANER MOUNT    | 1    |
| 3    | 13.809670 | .CLEANER, AIR ASM.             | 1    |
| 4    | 95.05     | .WASHER, FLAT 5/16 SAE         | 4    |
| 5    | 90.0508   | .BOLT, 5/16-18 USS X 1"        | 2    |
| 6    | 99.SF05   | .NUT, SRF 5/16-18 USS.         | 4    |
| 7    | 90.0506   | .BOLT, 5/16-18 USS X 3/4"      | 2    |
| 8    | 11.0044   | .CLAMP, HOSE S/S 1-9/16- 2-1/2 | 1    |
| 9    | 14.0026-4 | .HOSE, AIR CLEANER             | 1    |
| 10   | 13.0272   | .HOSE, INTAKE 4500P            | 1    |
| 11   | 11.0050   | .CLAMP, HOSE S/S 2 1/16 X 3"   | 2    |
| 30   | 13.533761 | .CLEANER, AIR ASM - KUBOTA CAP | 1    |
| 31   | 13.538928 | .LATCH                         | 2    |
| 32   | 13.0061   | .FILTER, AIR-ELEMENT SAFETY    | 1    |
| 33   | 13.0060   | .FILTER, AIR-ELEMENT PRIMARY   | 1    |
| 34   | 13.522958 | .VALVE, DRAIN                  | 1    |

# ENGINES

## ILLUSTRATED DRAWING 4500P Kawasaki Fuel System (Serial # 01001-12813)



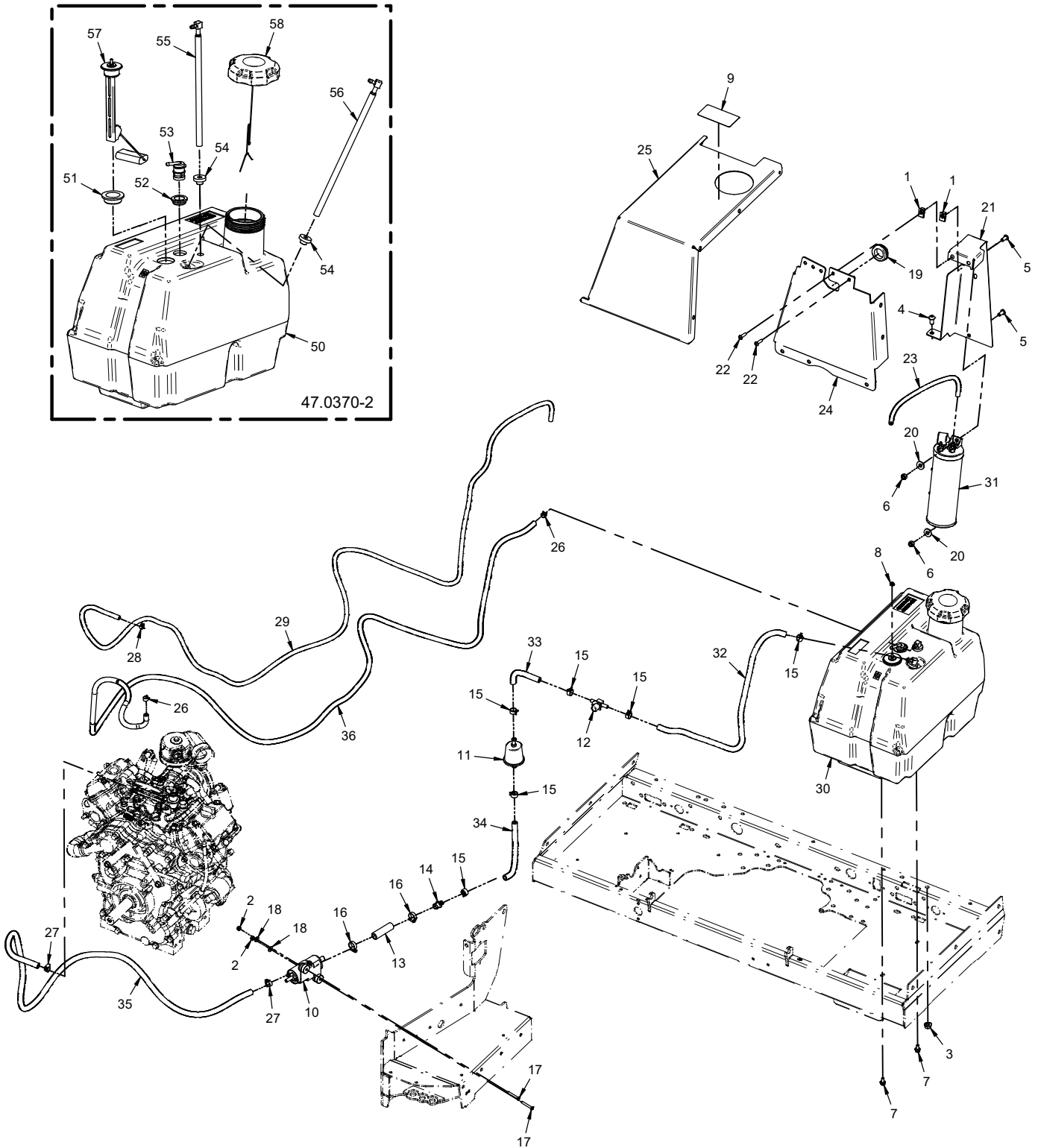
# ENGINES

## 4500P Kawasaki Fuel System (Serial # 01001-12813)

| REF. | PART NO.       | DESCRIPTION                            | QTY. |
|------|----------------|----------------------------------------|------|
| 1    | 99.E0046       | NUT, "U" 1/4-20 EXTRUDED               | 2    |
| 2    | 99.A1032N      | LOCKNUT, NYLON 10-32 STAINLESS         | 2    |
| 3    | 99.SF06        | NUT, SRF 3/8-16 USS                    | 1    |
| 4    | 99.0606        | BOLT, 3/8-16 X 3/4 BSCS                | 1    |
| 5    | 99.0506        | BOLT, 5/16-18 X 3/4 BSCS               | 2    |
| 6    | 00.0332        | DECAL, GASOLINE ONLY                   | 1    |
| 7    | 13.0269        | PUMP, FUEL KAW - P                     | 1    |
| 8    | 13.0053        | FILTER, FUEL - IN LINE 5/16"           | 1    |
| 9    | 47.0328        | VALVE, FUEL SHUT OFF 5/16"             | 1    |
| 10   | 27.F08-1-2.5IN | HOSE, FUEL LINE 1/2" LOW PERM X 2-1/2" | 1    |
| 11   | 13.59071-2141  | FITTING, ADAPTER FUEL PUMP             | 1    |
| 12   | 11.0048        | CLAMP, HOSE BAND 9/16" OD HOSE         | 6    |
| 13   | 11.0032        | CLAMP, HOSE S/S 7/16-25/32             | 2    |
| 14   | 99.K0067       | MACHINE SCREW, #10-32 X 1-1/2          | 2    |
| 15   | 99.B0051       | WASHER, FLAT #10                       | 2    |
| 16   | 94.05          | WASHER, FLAT 5/16 USS                  | 2    |
| 17   | 06.0073-8IN    | WEATHERSTRIP, 3/4X 3/4 X 8"            | 5    |
| 18   | 06.0074-4IN    | WEATHERSTRIP, 1 X 3/4 X 4"             | 2    |
| 19   | 06.0055-6IN    | WEATHERSTRIP, 3/8 X 3/4 X 6"           | 1    |
| 20   | 06.0074-7IN    | WEATHERSTRIP, 1 X 3/4 X 7"             | 1    |
| 21   | 99.A05N        | LOCKNUT, NYLON 5/16-18 USS             | 2    |
| 22   | 60.1260        | PANEL, CANISTER MOUNT                  | 1    |
| 23   | 99.0408        | BOLT, 1/4-20 X 1 BSCS                  | 2    |
| 24   | 27.F05-1-30IN  | HOSE, FUEL LINE 5/16" LOW PERM X 30"   | 1    |
| 25   | 27.F03-14IN    | HOSE, FUEL LINE X 3/16 X 14"           | 1    |
| 26   | 60.1259        | PANEL, SEATBOX REAR LEFT               | 1    |
| 27   | 60.1258        | COVER, FUEL TANK MAIN                  | 1    |
| 28   | 11.0049        | CLAMP, HOSE BAND 1/2" OD HOSE          | 2    |
| 29   | 44.0340        | SLEEVE, 2X15 PROTECTOR BUNDLIN         | 1    |
| 30   | 06.0055-12IN   | WEATHERSTRIP, 3/8 X 3/4 X 12"          | 2    |
| 31   | 11.0038        | CLAMP, HOSES S/S 7/32 - 5/8            | 2    |
| 32   | 11.0073        | CLAMP, HOSE BAND 7/16" OD HOSE         | 1    |
| 33   | 27.F03-114IN   | HOSE, FUEL LINE X 3/16 X 114"          | 1    |
| 34   | 27.F04-1-108IN | HOSE, FUEL LINE 1/4" LOW PERM X 108"   | 1    |
| 35   | 27.F05-1-7IN   | HOSE, FUEL LINE 5/16" LOW PERM X 7"    | 1    |
| 36   | 27.F05-1-7IN   | HOSE, FUEL LINE 5/16" LOW PERM X 7"    | 1    |
| 37   | 47.0369-1      | TANK, ASM 4500 GAS STEEL               | 1    |
| 38   | 13.0311        | FILTER, CARBON CANISTER                | 1    |
| 39   | 27.F05-1-56IN  | HOSE, FUEL LINE 5/16" LOW PERM X 56"   | 1    |
| 40   | 05.0060        | GROMMET, 1-1/8 ID, 1-3/4 OD            | 1    |
| 60   | 05.0134        | GROMMET, TANK FUEL SENDER              | 1    |
| 61   | 35.0120        | SENDING UNIT, FUEL                     | 1    |
| 62   | 29.0100        | VALVE, FUEL VENT                       | 1    |
| 63   | 05.0133        | GROMMET, TANK FITTING                  | 2    |
| 64   | 47.0309        | CAP, FUEL 3-1/2" UNVENTED              | 1    |
| 65   | 29.0102        | FITTING, 1/4" TANK RETURN              | 1    |
| 66   | 29.0101        | FITTING, TANK 5/16 WITHDRAW            | 1    |
| 67   | 05.0162        | GROMMET, FUEL VENT VALVE               | 1    |

# ENGINES

## ILLUSTRATED DRAWING 4500P Kawasaki Fuel System (Serial # 12814-)



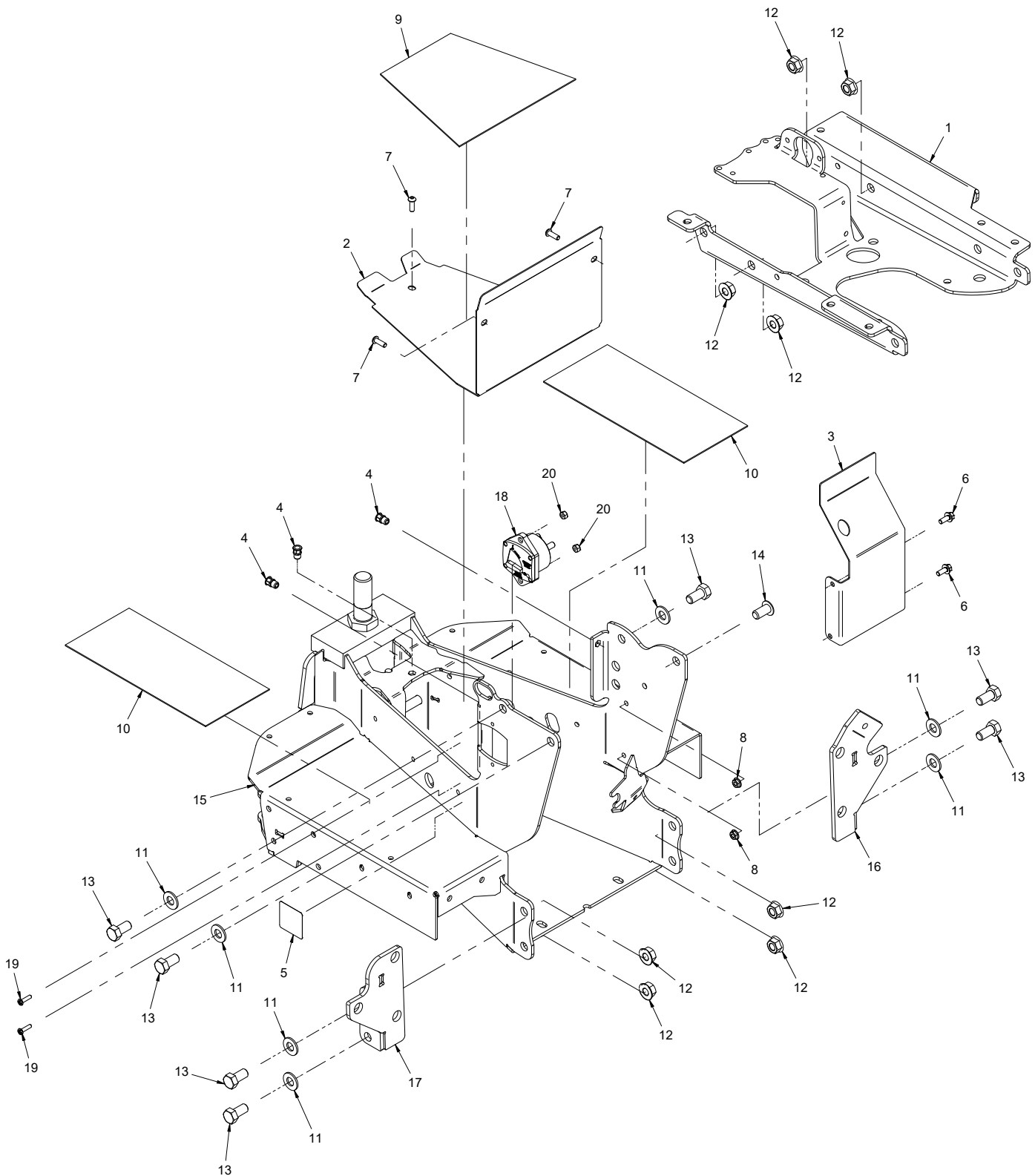
# ENGINES

## 4500P Kawasaki Fuel System (Serial # 12814-)

| REF. | PART NO.       | DESCRIPTION                                 | QTY. |
|------|----------------|---------------------------------------------|------|
| 1    | 99.E0046       | NUT, "U" 1/4-20 EXTRUDED                    | 2    |
| 2    | 99.A1032N      | LOCKNUT, NYLON 10-32 STAINLESS              | 2    |
| 3    | 99.SF06        | NUT, SRF 3/8-16 USS                         | 1    |
| 4    | 99.0606        | BOLT, 3/8-16 X 3/4 BSCS                     | 1    |
| 5    | 99.0506        | BOLT, 5/16-18 X 3/4 BSCS                    | 2    |
| 6    | 99.A05N        | LOCKNUT, NYLON 5/16-18 USS                  | 2    |
| 7    | 99.SF0404-1    | BOLT, SMF 1/4-20 X 1/2                      | 2    |
| 8    | 99.E0049       | NUT, WASHER #10-32 (STAR NUT)               | 1    |
| 9    | 00.0332        | DECAL, GASOLINE ONLY (Serial # 01001-14497) | 1    |
| 9    | 00.0457        | DECAL, GASOLINE SAFETY (Serial # 14498-)    | 1    |
| 10   | 13.0269        | PUMP, FUEL KAW - P.                         | 1    |
| 11   | 13.0053        | FILTER, FUEL - IN LINE 5/16"                | 1    |
| 12   | 47.0328        | VALVE, FUEL SHUT OFF 5/16"                  | 1    |
| 13   | 27.F08-1-2.5IN | HOSE, FUEL LINE 1/2" LOW PERM X 2-1/2"      | 1    |
| 14   | 13.59071-2141  | FITTING, ADAPTER FUEL PUMP                  | 1    |
| 15   | 11.0048        | CLAMP, HOSE BAND 9/16" OD HOSE              | 6    |
| 16   | 11.0032        | CLAMP, HOSE SS 7/16 TO 25/32                | 2    |
| 17   | 99.K0067       | MACHINE SCREW, #10-32 X 1-1/2               | 2    |
| 18   | 99.B0051       | WASHER, FLAT #10                            | 2    |
| 19   | 05.0060        | GROMMET, 1-1/8 ID, 1-3/4 OD                 | 1    |
| 20   | 94.05          | WASHER, FLAT 5/16 USS                       | 2    |
| 21   | 60.1260        | PANEL, CANISTER MOUNT                       | 1    |
| 22   | 99.0408        | BOLT, 1/4-20 X 1 BSCS                       | 2    |
| 23   | 27.F03-14IN    | HOSE, FUEL LINE X 3/16 X 14"                | 1    |
| 24   | 60.1259        | PANEL, SEATBOX REAR LEFT                    | 1    |
| 25   | 60.1301        | COVER, FUEL TANK MAIN                       | 1    |
| 26   | 11.0049        | CLAMP, HOSE BAND 1/2" OD HOSE               | 2    |
| 27   | 11.0038        | CLAMP, HOSES SS 7/32 TO 5/8                 | 2    |
| 28   | 11.0073        | CLAMP, HOSE BAND 7/16" OD HOSE              | 1    |
| 29   | 27.F03-114IN   | HOSE, FUEL LINE X 3/16 X 114"               | 1    |
| 30   | 47.0370-2      | TANK, ASM 4500 GAS W/RETURN                 | 1    |
| 31   | 13.0340        | FILTER, CARBON CANISTER                     | 1    |
| 32   | 27.F05-1-26IN  | HOSE, FUEL LINE 5/16" LOW PERM X 26"        | 1    |
| 33   | 27.F05-1-7IN   | HOSE, FUEL LINE 5/16" LOW PERM X 7"         | 1    |
| 34   | 27.F05-1-7IN   | HOSE, FUEL LINE 5/16" LOW PERM X 7"         | 1    |
| 35   | 27.F05-1-56IN  | HOSE, FUEL LINE 5/16" LOW PERM X 56"        | 1    |
| 36   | 27.F04-1-114IN | HOSE, FUEL LINE 1/4" LOW PERM X 114"        | 1    |
| 50   | N/A            | TANK, FUEL 4500 GASOLINE                    | 1    |
| 51   | 05.0134        | GROMMET, FUEL TANK SENDER                   | 1    |
| 52   | 05.0162        | GROMMET, FUEL VENT VALVE                    | 1    |
| 53   | 29.0100        | VALVE, FUEL VENT                            | 1    |
| 54   | 05.0133        | GROMMET, TANK FITTING                       | 2    |
| 55   | 29.0096        | FITTING, TANK 1/4, RETURN                   | 1    |
| 56   | 29.0097        | FITTING, TANK 5/16 WITHDRAW                 | 1    |
| 57   | 35.0120        | SENDING UNIT, FUEL                          | 1    |
| 58   | 47.0309        | CAP, FUEL 3-1/2" UNVENTED                   | 1    |

# FRAMES / SHEET METAL

## ILLUSTRATED DRAWING Lower Rear Frame



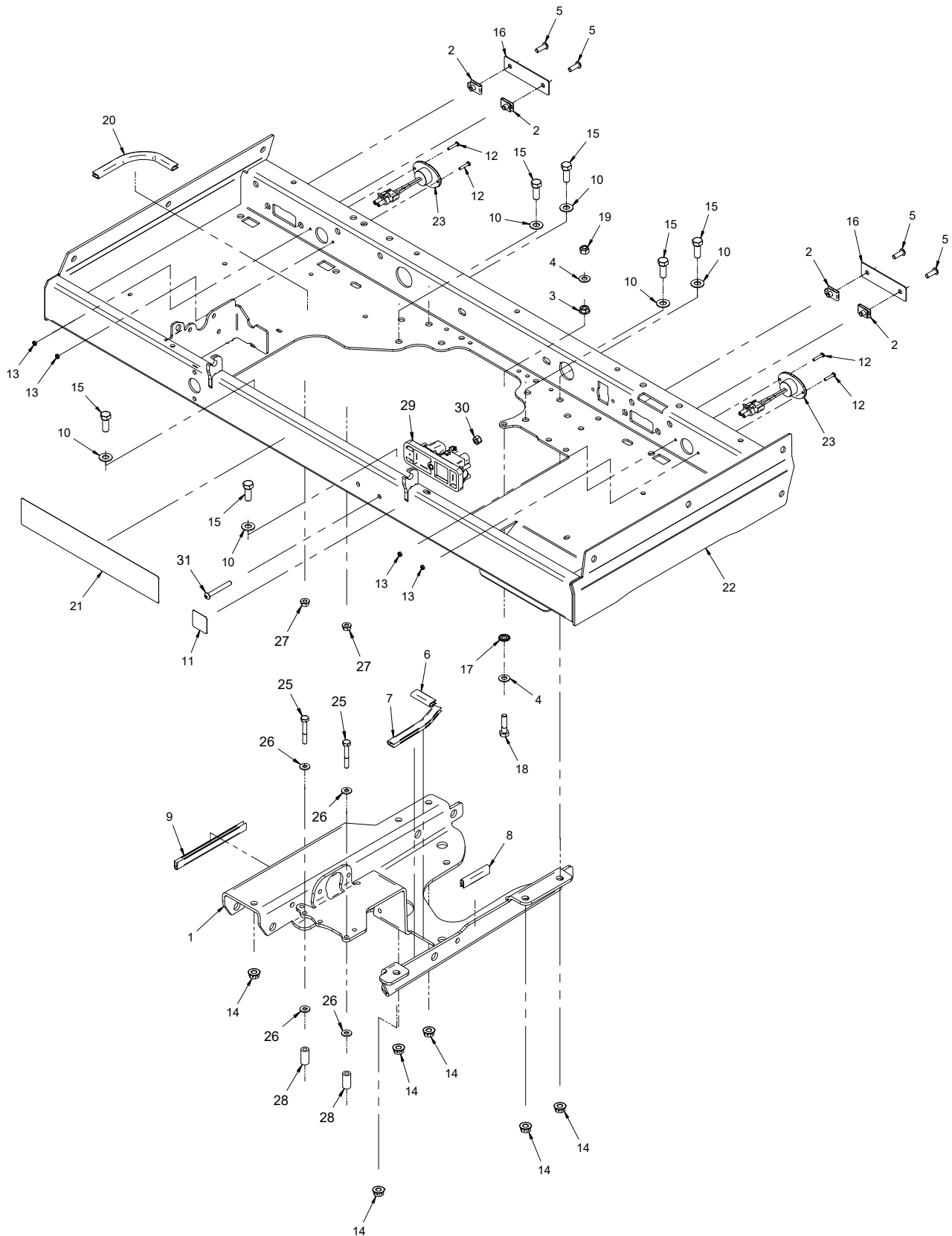
# FRAMES / SHEET METAL

## Lower Rear Frame

| REF. | PART NO.    | DESCRIPTION                               | QTY. |
|------|-------------|-------------------------------------------|------|
| 1    | 62.1368     | .FRAME, REAR UPPER (Serial # 01001-01374) | 1    |
| 1    | 62.1394     | .FRAME, REAR UPPER (Serial # 01375-)      | 1    |
| 2    | 60.1118     | .COVER, REAR LOWER FRAME                  | 1    |
| 3    | 60.1119     | .PANEL, FOOT PLATFORM RIGHT               | 1    |
| 4    | 99.E0105    | .NUT, INSERT 1/4-20 HEX                   | 3    |
| 5    | 00.0315     | .DECAL, BATTERY DISCONNECT                | 1    |
| 6    | 99.SF0405-1 | .BOLT, SMF 1/4-20 X 5/8                   | 2    |
| 7    | 99.0406     | .BOLT, 1/4-20 X 3/4 BSCS                  | 3    |
| 8    | 99.SF04     | .NUT, SRF 1/4-20 USS                      | 2    |
| 9    | 44.0220     | .FLEX TREAD, TUNNEL COVER                 | 1    |
| 10   | 44.0331     | .FLEX TREAD, FOOT PLATFORM KN             | 2    |
| 11   | 95.08       | .WASHER, FLAT 1/2 SAE                     | 7    |
| 12   | 99.SF08     | .NUT, SRF 1/2-13 USS                      | 8    |
| 13   | 90.0808     | .BOLT, 1/2-13 USS X 1                     | 7    |
| 14   | 99.0808     | .BOLT, 1/2-13 X 1 BSCS                    | 1    |
| 15   | 62.1369     | .FRAME, REAR LOWER                        | 1    |
| 16   | 64.1595     | .BRACKET, TRANSAXLE MOUNT RIGHT           | 1    |
| 17   | 64.1594     | .BRACKET, TRANSAXLE MOUNT LEFT            | 1    |
| 18   | 30.0338     | .BREAKER, CIRCUIT 150 AMP                 | 1    |
| 19   | 99.K0047    | .MACHINE SCREW, #10-32 X 3/4              | 2    |
| 20   | 99.A1032N   | .LOCKNUT, NYLON 10-32 STAINLESS           | 2    |

# FRAMES / SHEET METAL

## ILLUSTRATED DRAWING Seat Box & Upper Rear Frame





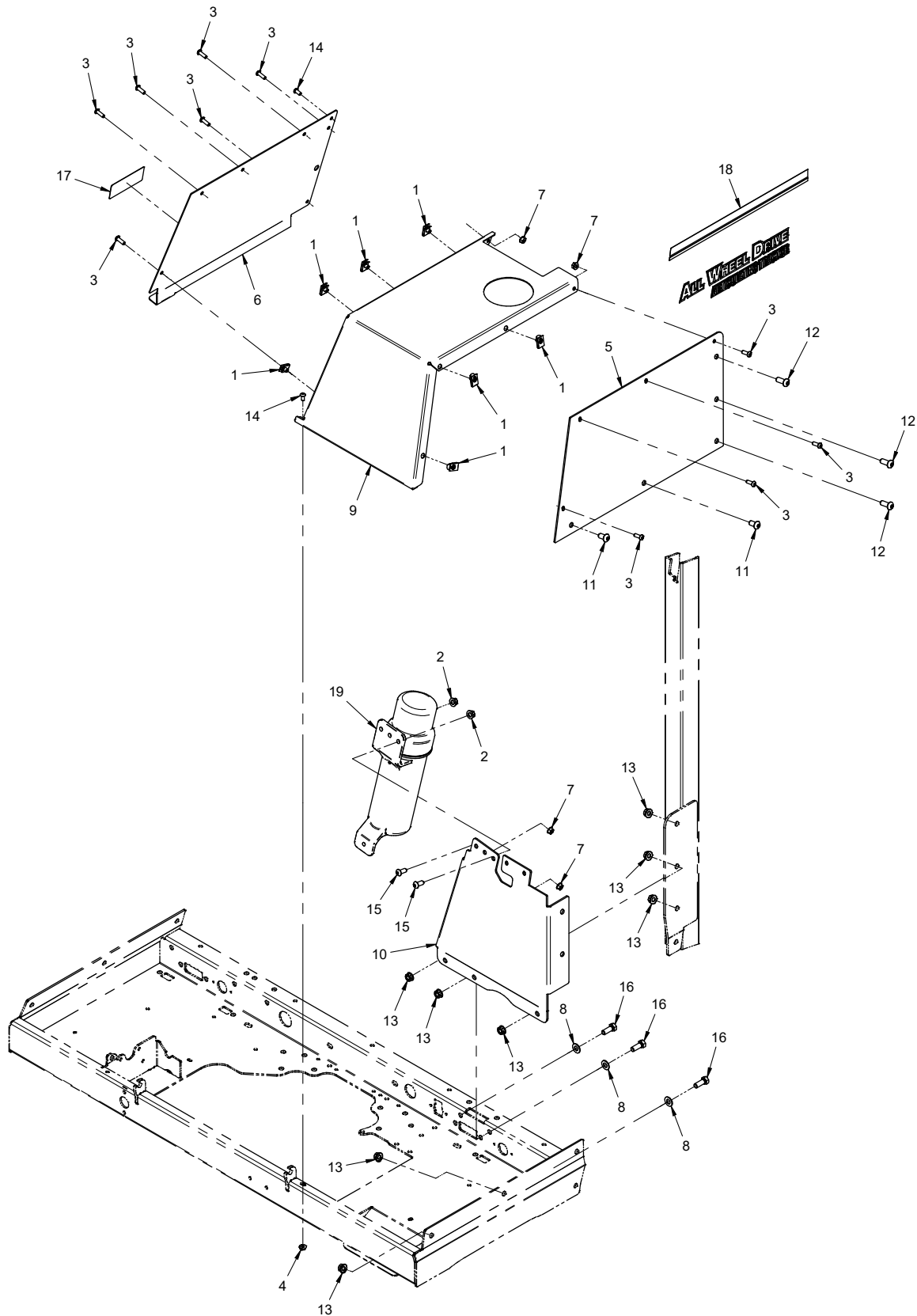
# FRAMES / SHEET METAL

## Seat Box & Upper Rear Frame

| REF. | PART NO.       | DESCRIPTION                               | QTY. |
|------|----------------|-------------------------------------------|------|
| 1    | 62.1368        | .FRAME, REAR UPPER (Serial # 01001-01374) | 1    |
| 1    | 62.1394        | .FRAME, REAR UPPER (Serial # 01375-)      | 1    |
| 2    | 99.E0046       | .NUT, "U" 1/4-20 EXTRUDED                 | 4    |
| 3    | 99.SF05        | .NUT, SRF 5/16-18 USS.                    | 5    |
| 4    | 95.05          | .WASHER, FLAT 5/16 SAE                    | 6    |
| 5    | 99.0406        | .BOLT, 1/4-20 X 3/4 BSCS                  | 4    |
| 6    | 06.0050-1.63IN | .TRIM, TRIM LOC 1/2 X 3/16 X 1-5/8"       | 1    |
| 7    | 06.0050-4.5IN  | .TRIM, TRIM LOC 1/2 X 3/16 X 4-1/2"       | 1    |
| 8    | 06.0050-2.25IN | .TRIM, TRIM LOC 1/2 X 3/16 X 2-1/4"       | 1    |
| 9    | 06.0050-6IN    | .TRIM, TRIM LOC 1/2 X 3/16 X 6"           | 1    |
| 10   | 95.06          | .WASHER, FLAT 3/8 SAE                     | 6    |
| 11   | 00.0334        | .DECAL, FUEL ON/OFF                       | 1    |
| 12   | 99.K0060       | .MACHINE SCREW, #6-32 X 3/4.              | 4    |
| 13   | 99.E0085       | .LOCKNUT, NYLON #6-32.                    | 4    |
| 14   | 99.E0082       | .NUT, LOCKING FLANGE 3/8-16               | 6    |
| 15   | 90.0608        | .BOLT, 3/8-16 USS X 1.                    | 6    |
| 16   | 60.1174        | .COVER, OPT. LIGHT KIT HOLE               | 2    |
| 17   | 99.G0003       | .WASHER, STAR-EXTERNAL 5/16               | 1    |
| 18   | 90.0510        | .BOLT, 5/16-18 USS X 1-1/4"               | 1    |
| 19   | 99.A05N        | .LOCKNUT, NYLON 5/16-18 USS               | 1    |
| 20   | 06.0050-6IN    | .TRIM, TRIM LOC 1/2 X 3/16 X 6"           | 1    |
| 21   | 00.0336        | .DECAL, SAFETY 4500                       | 1    |
| 22   | 62.1370        | .FRAME, SEATBOX.                          | 1    |
| 23   | 33.0061        | .LIGHT, MARKER RED OVAL                   | 2    |
| 25   | 90.0414        | .BOLT, 1/4-20 USS X 1-3/4"                | 2    |
| 26   | 95.04          | .WASHER, FLAT 1/4 SAE                     | 4    |
| 27   | 99.E0101       | .NUT, LOCKING FLANGE 1/4-20               | 2    |
| 28   | 05.0065        | .SPACER, 1/4 ID X 1/2 OD X 1 LG           | 2    |
| 29   | 30.0339        | .MODULE, POWER RELAY                      | 1    |
| 30   | 99.A04N        | .LOCKNUT, NYLON 1/4-20                    | 1    |
| 31   | 99.0416        | .BOLT, 1/4-20 X 2 BSCS                    | 1    |

# FRAMES / SHEET METAL

## ILLUSTRATED DRAWING Left Seat Box Panels



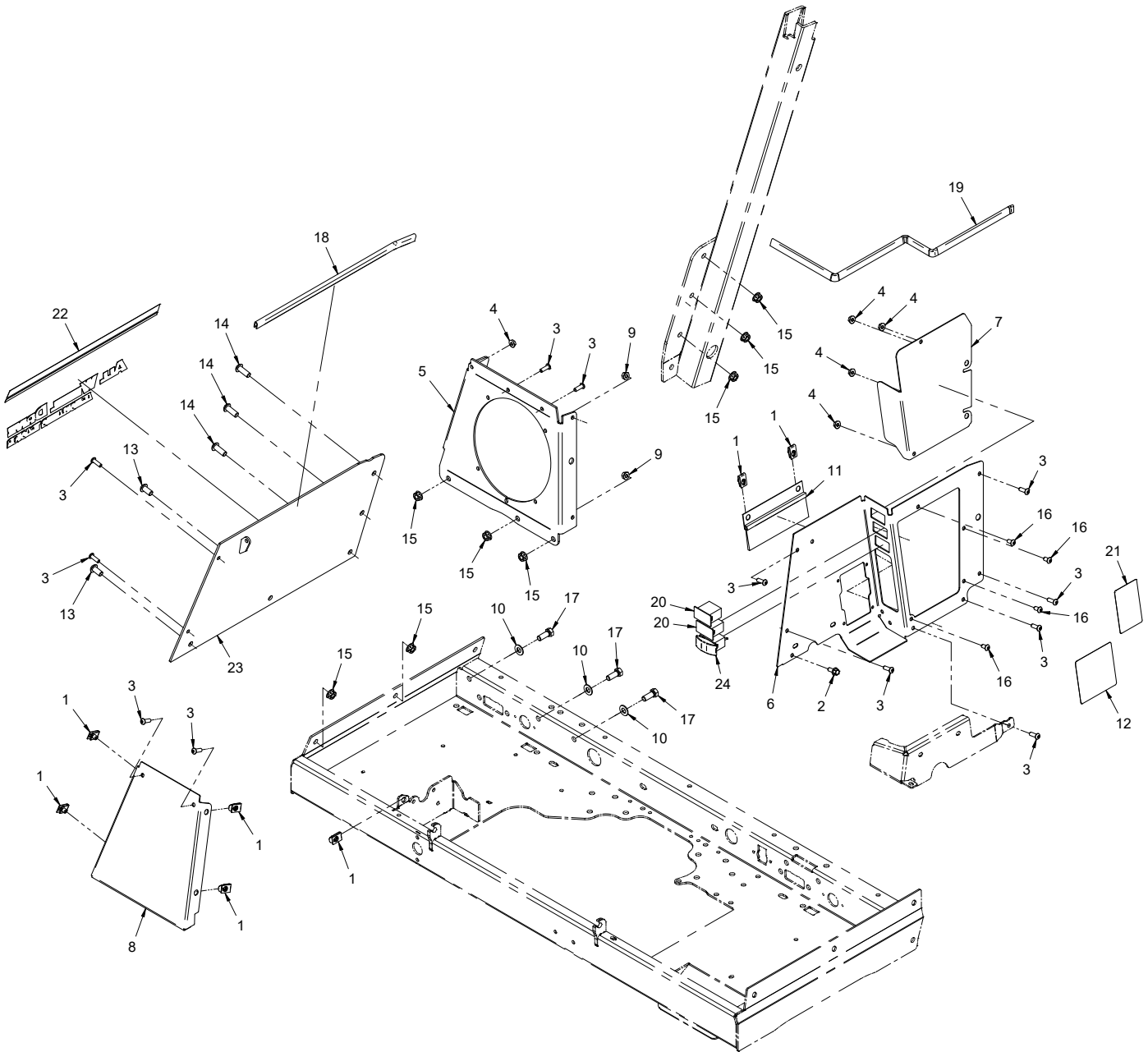
# FRAMES / SHEET METAL

## Left Seat Box Panels

| REF. | PART NO. | DESCRIPTION                                   | QTY. |
|------|----------|-----------------------------------------------|------|
| 1    | 99.E0046 | .NUT, "U" 1/4-20 EXTRUDED                     | 7    |
| 2    | 99.E0102 | .NUT, LOCKING FLANGE 5/16-18                  | 2    |
| 3    | 99.0406  | .BOLT, 1/4-20 X 3/4 BSCS                      | 10   |
| 4    | 99.SF04  | .NUT, SRF 1/4-20 USS                          | 1    |
| 5    | 60.1148  | .PANEL, SEATBOX LEFT                          | 1    |
| 6    | 60.1125  | .COVER, FUEL TANK INNER                       | 1    |
| 7    | 99.E0101 | .NUT, LOCKING FLANGE 1/4-20                   | 4    |
| 8    | 95.06    | .WASHER, FLAT 3/8 SAE                         | 3    |
| 9    | 60.1258  | .COVER, FUEL TANK MAIN (Serial # 01001-12813) | 1    |
| 9    | 60.1301  | .COVER, FUEL TANK MAIN (Serial # 12814-)      | 1    |
| 10   | 60.1259  | .PANEL, SEATBOX REAR LEFT                     | 1    |
| 11   | 99.0606  | .BOLT, 3/8-16 X 3/4 BSCS                      | 2    |
| 12   | 99.0608  | .BOLT, 3/8-16 X 1 BSCS                        | 3    |
| 13   | 99.E0082 | .NUT, LOCKING FLANGE 3/8-16                   | 8    |
| 14   | 99.0404  | .BOLT, 1/4-20 X 1/2 BSCS                      | 2    |
| 15   | 99.0506  | .BOLT, 5/16-18 X 3/4 BSCS                     | 2    |
| 16   | 90.0608  | .BOLT, 3/8-16 USS X 1                         | 3    |
| 17   | 00.0345  | .DECAL, DANGER BATTERY (Serial # 01001-14497) | 1    |
| 17   | 00.0629  | .DECAL, BATTERY HAZARD (Serial # 14498-)      | 1    |
| 18   | 00.0301  | .DECAL, REAR LEFT                             | 1    |
| 19   | 47.0323  | .CONTAINER, MANUAL HOLDER                     | 1    |

# FRAMES / SHEET METAL

## ILLUSTRATED DRAWING Right Seat Box Panels



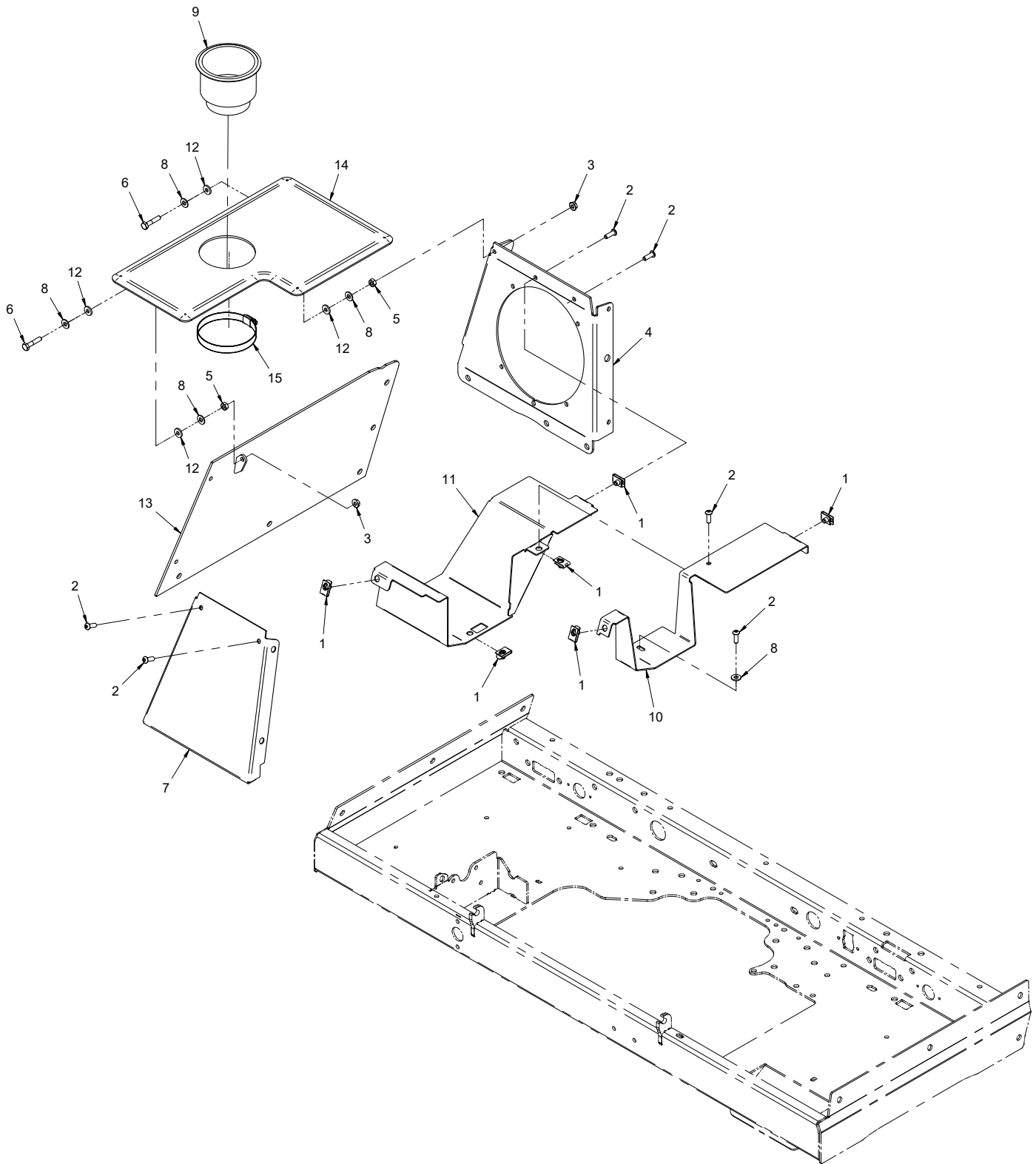
# FRAMES / SHEET METAL

## Right Seat Box Panels

| REF. | PART NO.       | DESCRIPTION                          | QTY. |
|------|----------------|--------------------------------------|------|
| 1    | 99.E0046       | .NUT, "U" 1/4-20 EXTRUDED            | 7    |
| 2    | 99.SF0405-1    | .BOLT, SMF 1/4-20 X 5/8              | 1    |
| 3    | 99.0406        | .BOLT, 1/4-20 X 3/4 BSCS             | 12   |
| 4    | 99.SF04        | .NUT, SRF 1/4-20 USS                 | 5    |
| 5    | 60.1150        | .PANEL, SEATBOX REAR RIGHT           | 1    |
| 6    | 60.1124        | .PANEL, TOOLBOX INNER                | 1    |
| 7    | 64.1596        | .SCREEN, HYD. OIL COOLER             | 1    |
| 8    | 60.1128        | .PANEL, TOOLBOX FRONT BASIC          | 1    |
| 9    | 99.E0101       | .NUT, LOCKING FLANGE 1/4-20          | 2    |
| 10   | 95.06          | .WASHER, FLAT 3/8 SAE                | 3    |
| 11   | 79.0093        | .BRUSH, SIDE PANEL W/HOLDER          | 1    |
| 12   | 00.0316        | .DECAL, SDLA                         | 1    |
| 13   | 99.0606        | .BOLT, 3/8-16 X 3/4 BSCS             | 2    |
| 14   | 99.0608        | .BOLT, 3/8-16 X 1 BSCS               | 3    |
| 15   | 99.E0082       | .NUT, LOCKING FLANGE 3/8-16          | 8    |
| 16   | 99.0404        | .BOLT, 1/4-20 X 1/2 BSCS             | 4    |
| 17   | 90.0608        | .BOLT, 3/8-16 USS X 1                | 3    |
| 18   | 06.0050-16.5IN | .TRIM, TRIM LOC 1/2 X 3/16 X 16-1/2" | 1    |
| 19   | 06.0042-24.5IN | .TRIM, TRIM LOC 1/2 X 1/16 X 24-1/2" | 1    |
| 20   | 05.0131        | .PLUG, SWITCH OTTO K5                | 2    |
| 21   | 00.0306        | .DECAL, REAR CONTROL                 | 1    |
| 22   | 00.0302        | .DECAL, REAR RIGHT                   | 1    |
| 23   | 60.1147        | .PANEL, SEATBOX RIGHT                | 1    |
| 24   | 31.0053        | .SWITCH, ROCKER ON/OFF               | 1    |

# FRAMES / SHEET METAL

## ILLUSTRATED DRAWING Tool Box Lid & Liner Panels



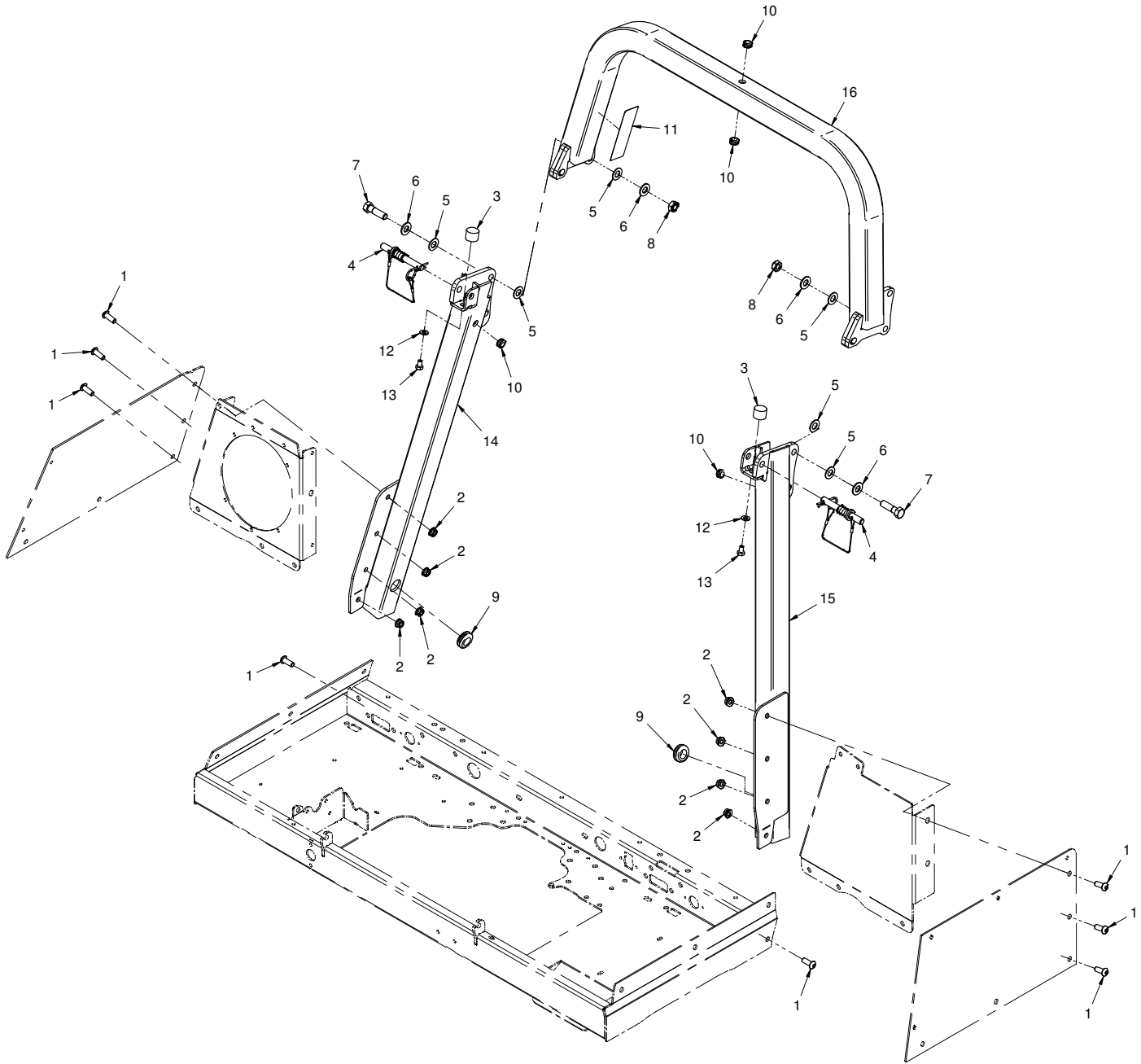
# FRAMES / SHEET METAL

## Tool Box Lid & Liner Panels

| REF. | PART NO. | DESCRIPTION                                 | QTY. |
|------|----------|---------------------------------------------|------|
| 1    | 99.E0046 | .NUT, "U" 1/4-20 EXTRUDED                   | 6    |
| 2    | 99.0406  | .BOLT, 1/4-20 X 3/4 BSCS                    | 6    |
| 3    | 99.SF04  | .NUT, SRF 1/4-20 USS                        | 2    |
| 4    | 60.1150  | .PANEL, SEATBOX REAR RIGHT                  | 1    |
| 5    | 92.04    | .NUT, 1/4-20 USS                            | 2    |
| 6    | 90.0410  | .BOLT, 1/4-20 USS X 1/1-4"                  | 2    |
| 7    | 60.1128  | .PANEL, TOOLBOX FRONT BASIC                 | 1    |
| 8    | 95.04    | .WASHER, FLAT 1/4 SAE                       | 5    |
| 9    | 47.0185  | .HOLDER, CUP 3.586 OD X 3-1/4 DP            | 1    |
| 10   | 60.1152  | .PANEL, TOOLBOX LINER LEFT                  | 1    |
| 11   | 60.1153  | .PANEL, TOOLBOX LINER RIGHT                 | 1    |
| 12   | 05.0126  | .WASHER, NEOPRENE 1/4 X 5/8                 | 4    |
| 13   | 60.1147  | .PANEL, SEATBOX RIGHT                       | 1    |
| 14   | 60.1126  | .COVER, TOOLBOX                             | 1    |
| 15   | 11.0077  | .CLAMP, HOSE 3-1/16" - 4" (Serial # 03012-) | 1    |

# FRAMES / SHEET METAL

## ILLUSTRATED DRAWING Roll Bar





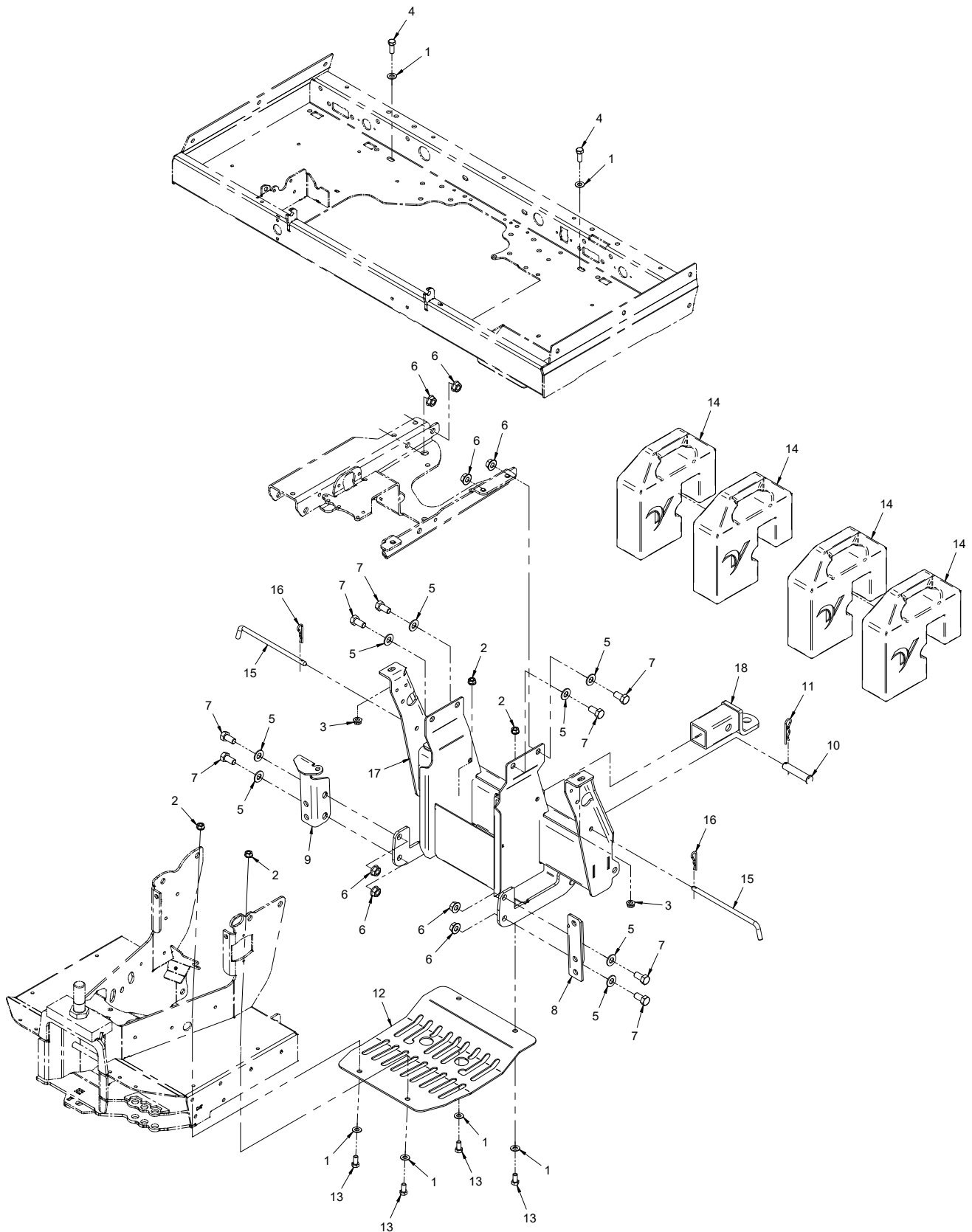
# FRAMES / SHEET METAL

## Roll Bar

| REF. | PART NO. | DESCRIPTION                                       | QTY. |
|------|----------|---------------------------------------------------|------|
| 1    | 99.0608  | .BOLT, 3/8-16 X 1 BSCS                            | 8    |
| 2    | 99.E0082 | .NUT, LOCKING FLANGE 3/8-16                       | 8    |
| 3    | 05.0110  | .BUMPER, RUBBER 1" DIA                            | 2    |
| 4    | 03.0037  | .PIN, KNURLED W/SPRING & LANYARD                  | 2    |
| 5    | 05.0145  | .WASHER .55ID X 1.03OD X .062T                    | 6    |
| 6    | 95.08    | .WASHER, FLAT 1/2 SAE                             | 4    |
| 7    | 90.0814  | .BOLT, 1/2-13 USS X 1-3/4                         | 2    |
| 8    | 99.A08   | .LOCKNUT, STOVER 1/2-13 USS                       | 2    |
| 9    | 05.0045  | .GROMMET, 3/4ID, 1 3/8OD, 1/2THK                  | 2    |
| 10   | 05.0138  | .GROMMET, 7/16ID, 11/16OD, 3/8THK                 | 4    |
| 11   | 00.0331  | .DECAL, ROPS CERTIFICATION (Serial # 01001-14497) | 1    |
| 11   | 00.0644  | .DECAL, ROPS 4500 CERTIFICATION (Serial # 14498-) | 1    |
| 12   | 95.05    | .WASHER, FLAT 5/16 SAE                            | 2    |
| 13   | 90.0504  | .BOLT, 5/16-18 USS X 1/2"                         | 2    |
| 14   | 62.1381  | .ROLLBAR, FOLD DOWN RIGHT                         | 1    |
| 15   | 62.1382  | .ROLLBAR, FOLD DOWN LEFT                          | 1    |
| 16   | 62.1380  | .ROLLBAR, FOLD DOWN TOP                           | 1    |

# FRAMES / SHEET METAL

## ILLUSTRATED DRAWING Standard Rear Hitch



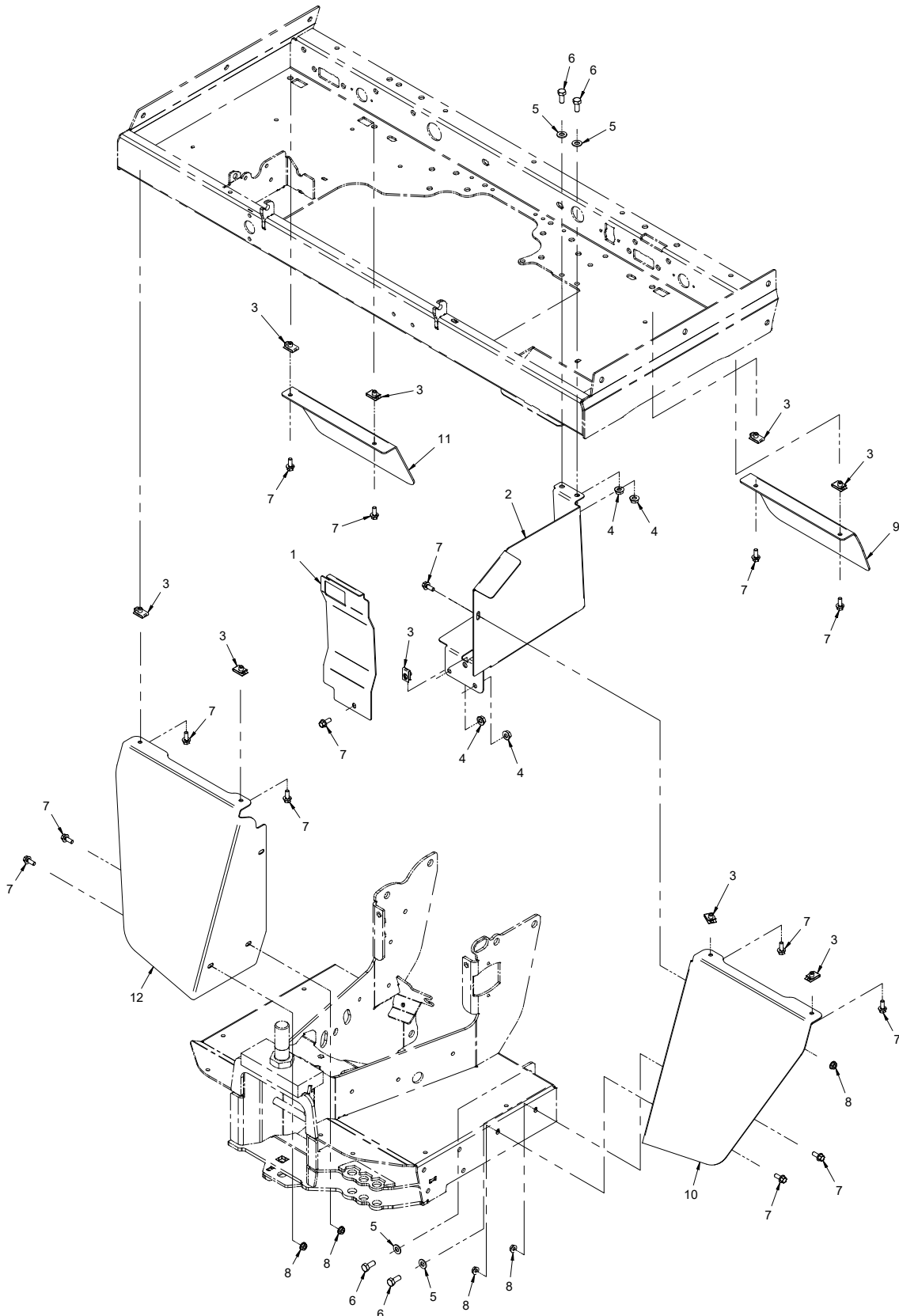
# FRAMES / SHEET METAL

## Standard Rear Hitch

| REF. | PART NO.  | DESCRIPTION                                          | QTY. |
|------|-----------|------------------------------------------------------|------|
| 1    | 95.06     | .WASHER, FLAT 3/8 SAE                                | 6    |
| 2    | 99.SF06   | .NUT, SRF 3/8-16 USS.                                | 4    |
| 3    | 99.E0082  | .NUT, LOCKING FLANGE 3/8-16                          | 2    |
| 4    | 90.0608   | .BOLT, 3/8-16 USS X 1.                               | 2    |
| 5    | 95.08     | .WASHER, FLAT 1/2 SAE                                | 8    |
| 6    | 99.SF08   | .NUT, SRF 1/2-13 USS.                                | 8    |
| 7    | 90.0808   | .BOLT, 1/2-13 USS X 1.                               | 8    |
| 8    | 64.1592   | .BRACKET, REAR HITCH MT LEFT (Serial # 01001-02923). | 1    |
| 8    | 64.1865   | .BRACKET, REAR HITCH MT LEFT (Serial # 02924-).      | 1    |
| 9    | 64.1591   | .BRACKET, REAR HITCH MT RIGHT (Serial # 01001-02923) | 1    |
| 9    | 64.1866   | .BRACKET, REAR HITCH MT RIGHT (Serial # 02924-)      | 1    |
| 10   | 03.1024   | .CLEVIS PIN, 5/8 X 3 OAL.                            | 1    |
| 11   | 02.HP0420 | .HAIRPIN, 1/8 X 2 1/2.                               | 1    |
| 12   | 64.1679   | .PLATE, REAR AXLE SKID NO3PT (Serial # 01001-02923)  | 1    |
| 12   | 64.1867   | .PLATE, REAR AXLE SKID NO3PT (Serial # 02924-)       | 1    |
| 13   | 90.0606   | .BOLT, 3/8-16 USS X 3/4                              | 4    |
| 14   | 47.0115-1 | .WEIGHT, SUITCASE - 42 LBS (Optional For 4500K)      | 4    |
| 15   | 64.0761   | .PIN, WEIGHT SECURE 7.3" USEABLE                     | 2    |
| 16   | 02.HP0416 | .HAIRPIN, 1/8 X 2.                                   | 2    |
| 17   | 62.1363   | .FRAME, REAR WEIGHT BAR/HITCH                        | 1    |
| 18   | 62.0968   | .HITCH, REAR                                         | 2    |

# FRAMES / SHEET METAL

## ILLUSTRATED DRAWING Rear Fenders & Battery Compartment



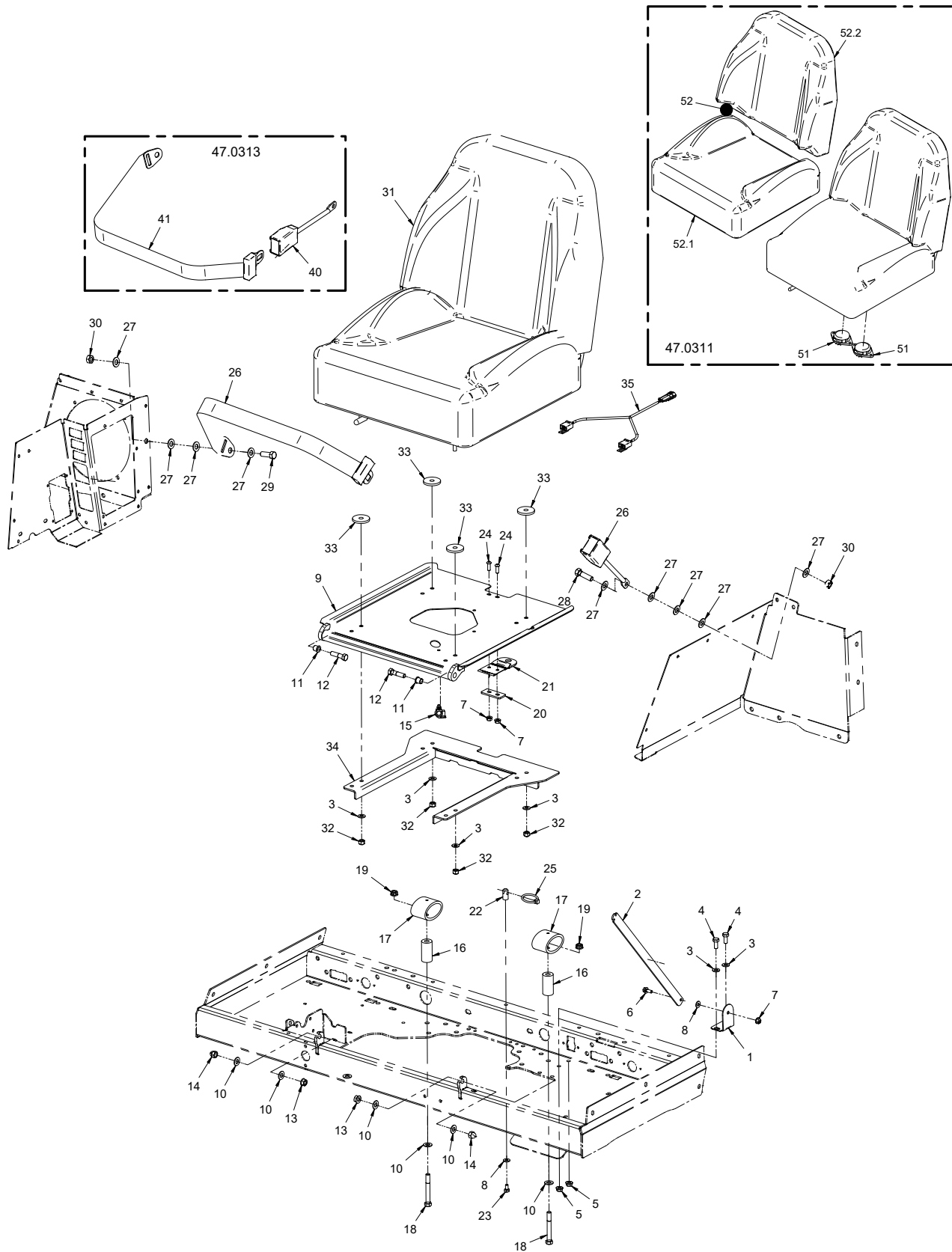
# FRAMES / SHEET METAL

## Rear Fenders & Battery Compartment

| REF. | PART NO.    | DESCRIPTION                 | QTY. |
|------|-------------|-----------------------------|------|
| 1    | 60.1117     | .PANEL, FOOT PLATFORM LEFT  | 1    |
| 2    | 60.1116     | .PANEL, BATTERY COMPARTMENT | 1    |
| 3    | 99.E0046    | .NUT, "U" 1/4-20 EXTRUDED   | 9    |
| 4    | 99.SF05     | .NUT, SRF 5/16-18 USS.      | 4    |
| 5    | 95.05       | .WASHER, FLAT 5/16 SAE      | 4    |
| 6    | 90.0506     | .BOLT, 5/16-18 USS X 3/4"   | 4    |
| 7    | 99.SF0405-1 | .BOLT, SMF 1/4-20 X 5/8     | 14   |
| 8    | 99.SF04     | .NUT, SRF 1/4-20 USS.       | 5    |
| 9    | 60.1127     | .FENDER, REAR FLAP LEFT     | 1    |
| 10   | 60.1130     | .FENDER, REAR LEFT          | 1    |
| 11   | 60.1146     | .FENDER, REAR FLAP RIGHT    | 1    |
| 12   | 60.1131     | .FENDER, REAR RIGHT         | 1    |

# FRAMES / SHEET METAL

## ILLUSTRATED DRAWING Standard Seat Assembly



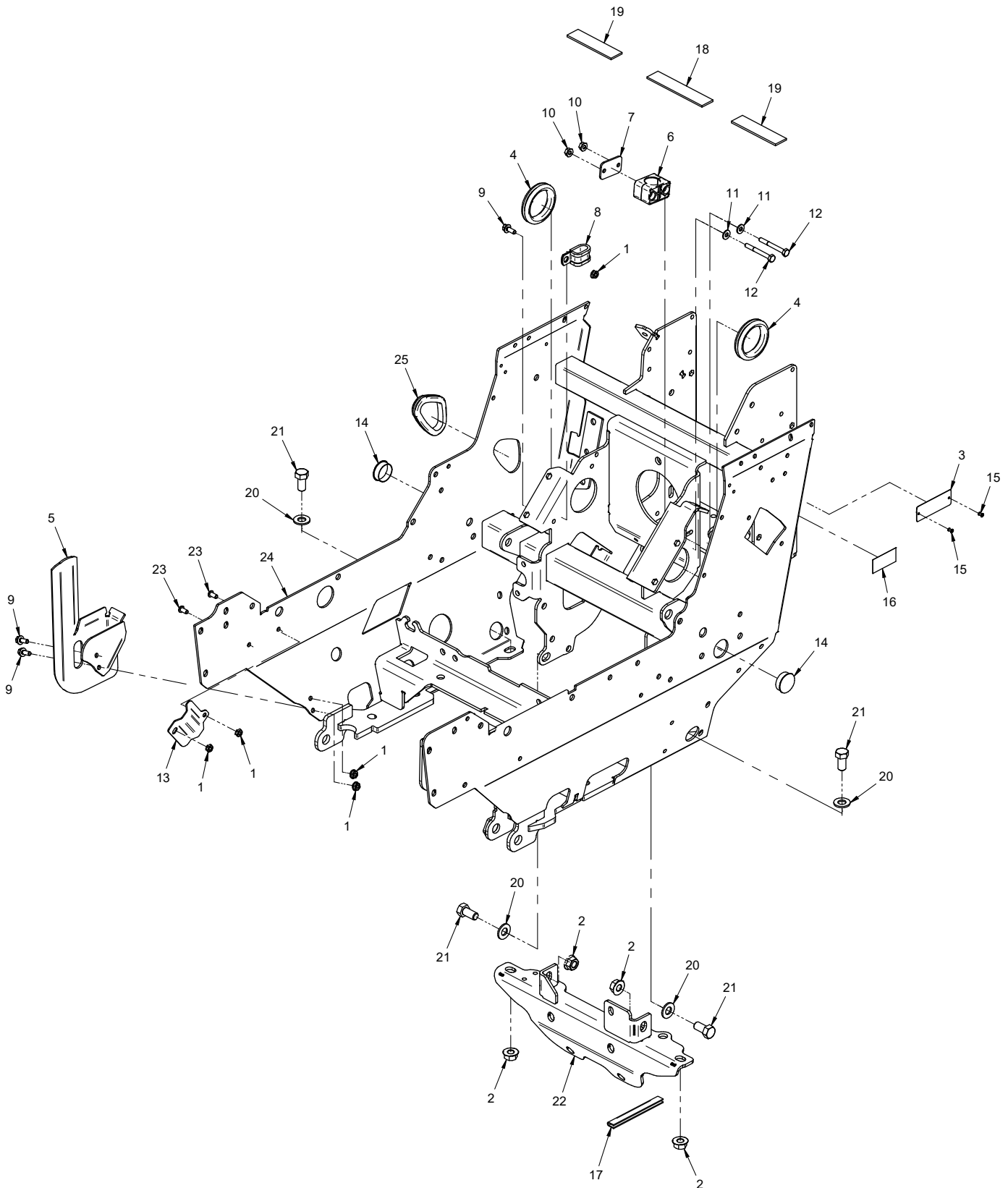
# FRAMES / SHEET METAL

## Standard Seat Assembly

| REF. | PART NO.    | DESCRIPTION                     | QTY. |
|------|-------------|---------------------------------|------|
| 1    | 64.1598     | .BRACKET, SEAT PROP.            | 1    |
| 2    | 64.1599     | .PLATE, SEAT PROP.              | 1    |
| 3    | 95.05       | .WASHER, FLAT 5/16 SAE          | 6    |
| 4    | 90.0506     | .BOLT, 5/16-18 USS X 3/4"       | 2    |
| 5    | 99.SF05     | .NUT, SRF 5/16-18 USS           | 2    |
| 6    | 99.SF0405-1 | .BOLT, SMF 1/4-20 X 5/8         | 1    |
| 7    | 99.E0101    | .NUT, LOCKING FLANGE 1/4-20     | 3    |
| 8    | 95.04       | .WASHER, FLAT 1/4 SAE           | 2    |
| 9    | 64.1597     | .MOUNT, SEAT                    | 1    |
| 10   | 95.06       | .WASHER, FLAT 3/8 SAE           | 7    |
| 11   | 85.B0068    | .BUSHING, 3/8 X 1/2 OD X 1/2 LG | 2    |
| 12   | 90.0612     | .BOLT, 3/8-16 USS X 1-1/2       | 2    |
| 13   | 99.SF06     | .NUT, SRF 3/8-16 USS            | 2    |
| 14   | 99.E0100    | .NUT, ACORN 3/8-16              | 2    |
| 15   | 30.0135     | .CLAMP, LOOM 3/8 ROSEBUD MOUNT  | 1    |
| 16   | 64.1681     | .TUBE, SEAT BUMPER              | 2    |
| 17   | 05.0137     | .BUMPER, ELASTOMER 3.4"         | 2    |
| 18   | 90.0624     | .BOLT, 3/8-16 USS X 3           | 2    |
| 19   | 99.E0082    | .NUT, LOCKING FLANGE 3/8-16     | 2    |
| 20   | 64.1723     | .CLAMP, SEAT LATCH STRAP        | 1    |
| 21   | 47.0335     | .STRAP, SEAT LATCH              | 1    |
| 22   | 03.0019     | .PIN, SEAT LATCH                | 1    |
| 23   | 90.0404     | .BOLT, 1/4-20 USS X 1/2"        | 1    |
| 24   | 99.0406     | .BOLT, 1/4-20 X 3/4 BSCS        | 2    |
| 25   | 03.0021     | .PIN, LINCH                     | 1    |
| 26   | 47.0313     | .SEAT BELT, LAP W/BUCKLE        | 1    |
| 27   | 95.07       | .WASHER, FLAT 7/16 SAE          | 9    |
| 28   | 90.0712     | .BOLT, 7/16-14 USS X 1-1/2      | 1    |
| 29   | 90.0710     | .BOLT, 7/16-14 USS X 1-1/4      | 1    |
| 30   | 99.A07      | .LOCKNUT, STOVER 7/16-14 USS    | 2    |
| 31   | 47.0311     | .SEAT, DELUXE HIGH BACK         | 1    |
| 32   | 99.A05N     | .LOCKNUT, NYLON 5/16-18 USS     | 4    |
| 33   | 99.B0076    | .WASHER, .140T X .395ID X 1.5OD | 4    |
| 34   | 64.1684     | .BRACKET, SEAT SUPPORT          | 1    |
| 35   | 32.0143     | .HARNESS, 3400/4500 SEAT        | 1    |
| 40   | 47.0313-2   | .SEAT BELT, BUCKLE              | 1    |
| 41   | 47.0313-1   | .SEAT BELT, LAP BELT            | 1    |
| 51   | 31.0060     | .SWITCH, SEAT                   | 2    |
| 52   | 47.0347     | .COVER, SEAT BOTTOM & BACK      | 1    |
| 52.1 | 47.0366     | .COVER, SEAT BOTTOM             | 1    |
| 52.2 | 47.0409     | .COVER, SEAT BACK FOR 47.0311   | 1    |

# FRAMES / SHEET METAL

## ILLUSTRATED DRAWING Front Frame, Frame Connector Bracket, Hose Retainer





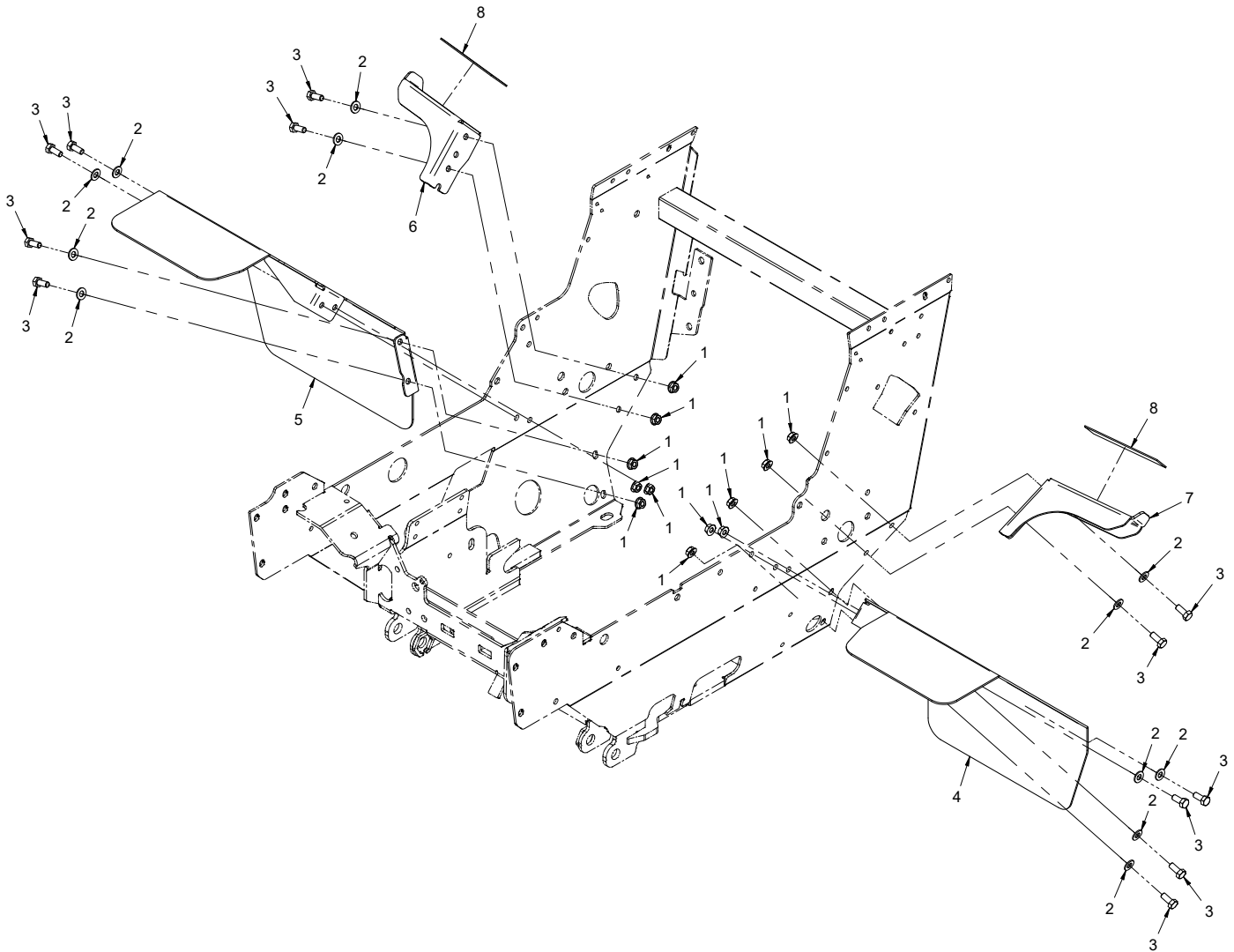
# FRAMES / SHEET METAL

## Front Frame, Frame Connector Bracket, Hose Retainer

| REF. | PART NO.      | DESCRIPTION                                         | QTY. |
|------|---------------|-----------------------------------------------------|------|
| 1    | 99.SF04       | .NUT, SRF 1/4-20 USS                                | 5    |
| 2    | 99.SF08       | .NUT, SRF 1/2-13 USS                                | 4    |
| 3    | N/A           | .PLATE, VENTRAC SERIAL NUMBER                       | 1    |
| 4    | 05.0073       | .GROMMET, 2 ID, 2-3/4 OD 9/16 T                     | 2    |
| 5    | 64.1827       | .BRACKET, HOSE RETAINER                             | 1    |
| 6    | 44.0320       | .CLAMP, HYD HOSE 25.4MM ID                          | 1    |
| 7    | 44.0321       | .COVER PLATE, GROUP 3 (1)                           | 1    |
| 8    | 11.0046       | .CLAMP, CUSHIONED METAL 1/2"                        | 1    |
| 9    | 99.SF0405-1   | .BOLT, SMF 1/4-20 X 5/8                             | 3    |
| 10   | 99.E0101      | .NUT, LOCKING FLANGE 1/4-20                         | 2    |
| 11   | 95.04         | .WASHER, FLAT 1/4 SAE                               | 2    |
| 12   | 90.0418       | .BOLT, HEX 1/4-20 UNC X 2-1/4"                      | 2    |
| 13   | 64.1729       | .RETAINER, WIRE LOOM                                | 1    |
| 14   | 05.0091       | .PLUG, 1-1/4" HOLE, BLK PLASTIC                     | 2    |
| 15   | 04.0029       | .RIVET, POP 1/8" X 1/4"                             | 2    |
| 16   | 00.0100       | .DECAL, MADE IN USA                                 | 1    |
| 17   | 06.0050-4.5IN | .TRIM, TRIM LOC 1/2 X 3/16 X 4.50"                  | 1    |
| 18   | 06.0065-5IN   | .VELCRO, LOOP 1" BLACK X 5"                         | 1    |
| 19   | 06.0065-4IN   | .VELCRO, LOOP 1" BLACK X 4"                         | 2    |
| 20   | 95.08         | .WASHER, FLAT 1/2 SAE                               | 4    |
| 21   | 90.0808       | .BOLT, 1/2-13 USS X 1                               | 4    |
| 22   | 64.1613       | .BRACKET, CONNECTOR FRAME MT (Serial # 01001-03011) | 1    |
| 22   | 64.1863       | .BRACKET, CONNECTOR FRAME MT (Serial # 03012-)      | 1    |
| 23   | 99.0404       | .BOLT, 1/4-20 X 1/2 BSCS                            | 2    |
| 24   | 62.1373       | .FRAME, MAIN FRONT                                  | 1    |
| 25   | 05.0148       | .GROMMET, 2-1/2ID, 3-1/8OD, 3/8T                    | 1    |

# FRAMES / SHEET METAL

## ILLUSTRATED DRAWING Front Fenders & Foot Pegs



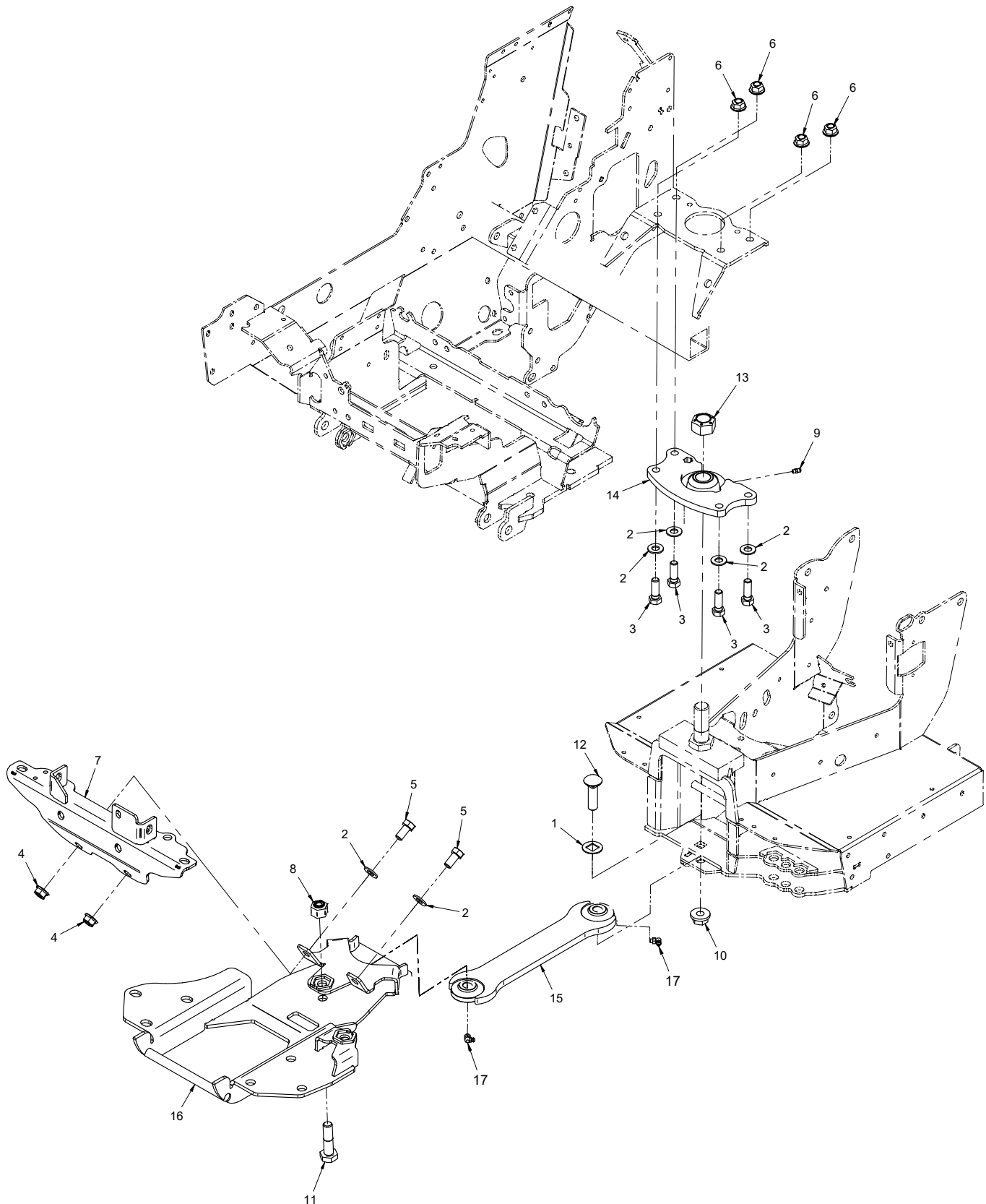
## FRAMES / SHEET METAL

### Front Fenders & Foot Pegs

| REF. | PART NO. | DESCRIPTION               | QTY. |
|------|----------|---------------------------|------|
| 1    | 99.SF05  | .NUT, SRF 5/16-18 USS.    | 12   |
| 2    | 95.05    | .WASHER, FLAT 5/16 SAE    | 12   |
| 3    | 90.0506  | .BOLT, 5/16-18 USS X 3/4" | 12   |
| 4    | 60.1133  | .FENDER, FRONT LEFT       | 1    |
| 5    | 60.1134  | .FENDER, FRONT RIGHT      | 1    |
| 6    | 64.1707  | .FOOT PEG, RIGHT          | 1    |
| 7    | 64.1708  | .FOOT PEG, LEFT           | 1    |
| 8    | 44.0330  | .FLEX TREAD, FOOT PEG     | 2    |

# FRAMES / SHEET METAL

## ILLUSTRATED DRAWING Center Pivot & Connector Link



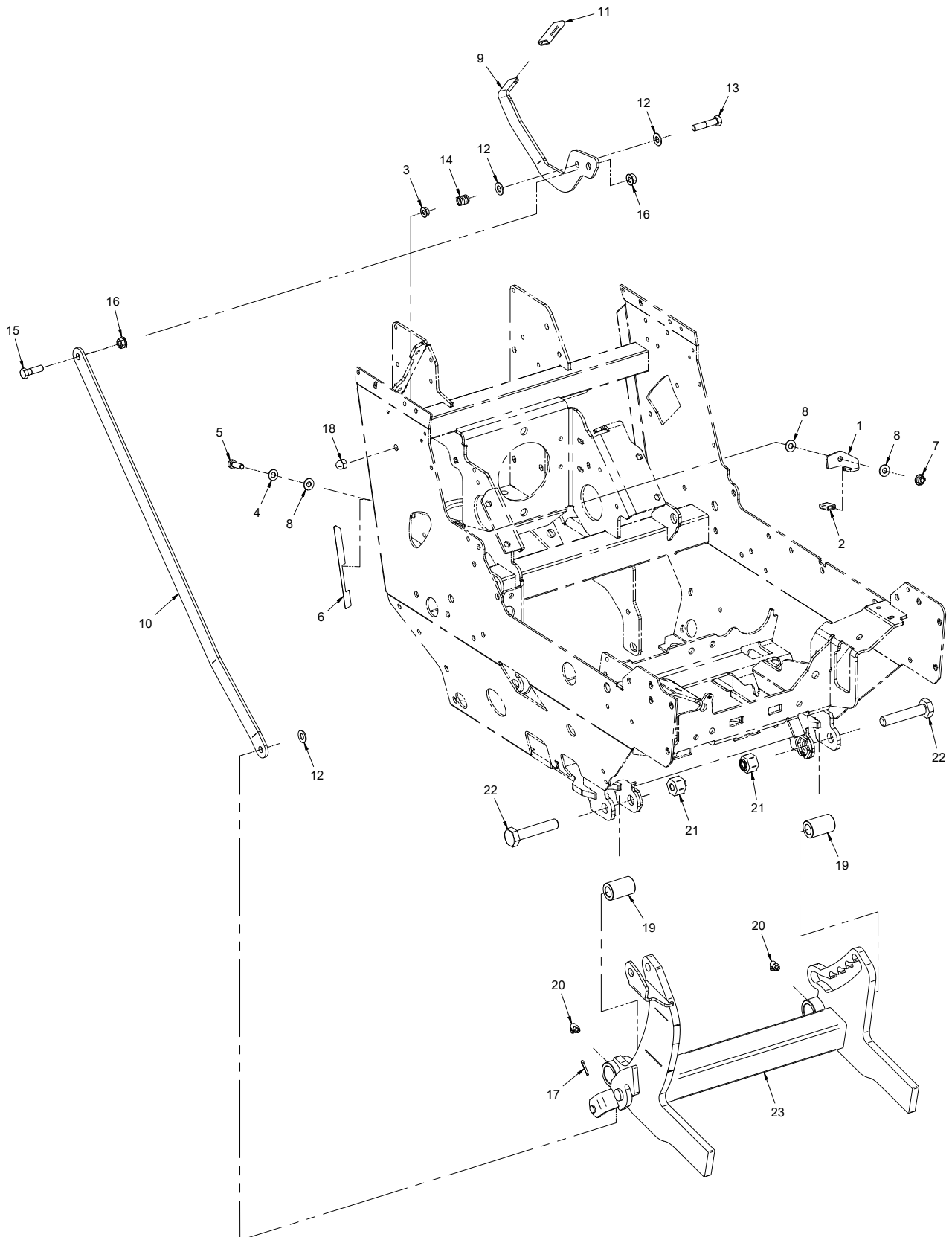
# FRAMES / SHEET METAL

## Center Pivot & Connector Link

| REF. | PART NO.  | DESCRIPTION                                         | QTY. |
|------|-----------|-----------------------------------------------------|------|
| 1    | 64.1724   | .SPACER, CONNECTOR LINK BOLT                        | 1    |
| 2    | 95.08     | .WASHER, FLAT 1/2 SAE                               | 6    |
| 3    | 90.0812   | .BOLT, 1/2-13 USS X 1-1/2                           | 4    |
| 4    | 99.SF08   | .NUT, SRF 1/2-13 USS                                | 2    |
| 5    | 90.0808   | .BOLT, 1/2-13 USS X 1                               | 2    |
| 6    | 99.E0103  | .NUT, LOCKING FLANG 1/2-13                          | 4    |
| 7    | 64.1613   | .BRACKET, CONNECTOR FRAME MT (Serial # 01001-03011) | 1    |
| 7    | 64.1863   | .BRACKET, CONNECTOR FRAME MT (Serial # 03012-)      | 1    |
| 8    | 99.E0095  | .LOCKNUT, 5/8-11 HEAVY NYLON                        | 1    |
| 9    | 29.GF0001 | .GREASE FTG, 1/4 SAE ST                             | 1    |
| 10   | 99.E0094  | .LOCKNUT, 5/8-11 FLANGED STOVER                     | 1    |
| 11   | 99.K0112  | .BOLT, 5/8-11 X 2-1/2 GRD A325                      | 1    |
| 12   | 97.1018   | .BOLT, CARRIAGE 5/8-11 X 2-1/4 GR5                  | 1    |
| 13   | 99.A16NF  | .LOCKNUT, STOVER 1" SAE                             | 1    |
| 14   | 42.0553   | .PIVOT, CENTER MAIN                                 | 1    |
| 15   | 42.0560   | .LINK, FRONT/REAR CONNECTOR                         | 1    |
| 16   | 62.1371   | .FRAME, CONNECTOR LINK MOUNT                        | 1    |
| 17   | 29.GF0002 | .GREASE, FTG. 1/4 SAE 90                            | 2    |

# FRAMES / SHEET METAL

## ILLUSTRATED DRAWING Front Hitch



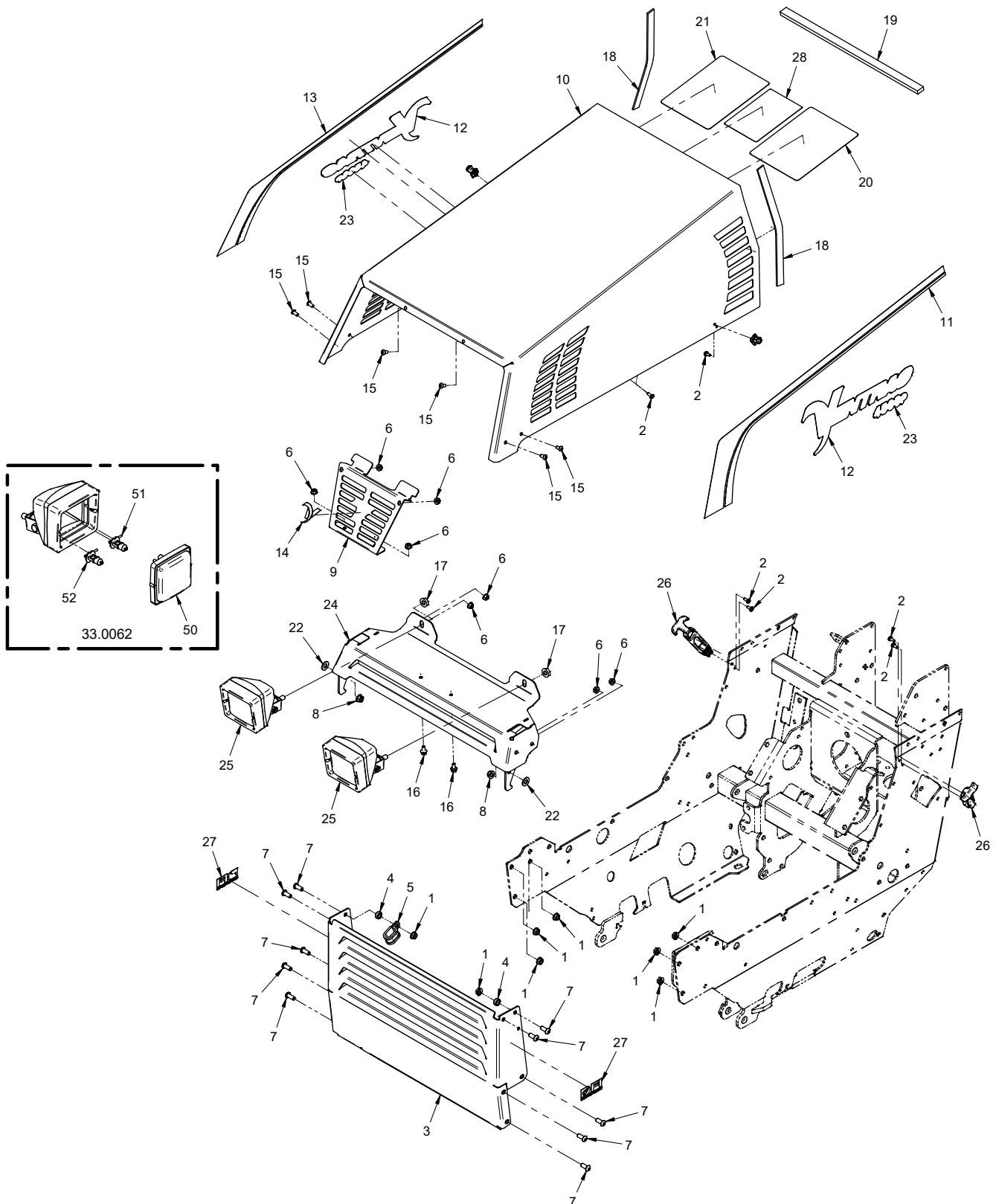
# FRAMES / SHEET METAL

## Front Hitch

| REF. | PART NO.  | DESCRIPTION                     | QTY. |
|------|-----------|---------------------------------|------|
| 1    | 64.1617   | .LOCK, FRONT HITCH LEVER        | 1    |
| 2    | 06.0044   | .CAP, PLASTIC 1/8 X 1/2 X 7/8   | 1    |
| 3    | 99.SF05   | .NUT, SRF 5/16-18 USS           | 1    |
| 4    | 95.05     | .WASHER, FLAT 5/16 SAE          | 1    |
| 5    | 90.0508   | .BOLT, 5/16-18 USS X 1"         | 1    |
| 6    | 00.0317   | .DECAL, FRONT HITCH LOCK        | 1    |
| 7    | 99.E0102  | .NUT, LOCKING FLANGE 5/16-18    | 1    |
| 8    | 05.0055   | .WASHER, NYLON .34 X .74 X .062 | 3    |
| 9    | 40.0376   | .LEVER, FRONT HITCH LATCH       | 1    |
| 10   | 42.0558   | .LINK, FRONT HITCH LATCH        | 1    |
| 11   | 06.0051   | .CAP, 3/16 X 15/16 X 1-3/4 FE   | 1    |
| 12   | 95.06     | .WASHER, FLAT 3/8 SAE           | 3    |
| 13   | 90.0614   | .BOLT, HEX 3/8-16 UNC X 1-3/4   | 1    |
| 14   | 41.0039   | .SPRING, COMP. 9/16 OD X 5/8    | 1    |
| 15   | 90.0610   | .BOLT, 3/8-16 USS X 1-1/4       | 1    |
| 16   | 99.SF06   | .NUT, SRF 3/8-16 USS            | 2    |
| 17   | 02.CP0406 | .COTTER PIN, 1/8 X 3/4          | 1    |
| 18   | 99.E0100  | .NUT, ACORN 3/8-16              | 1    |
| 19   | 64.1609   | .BUSHING, FRONT HITCH PIVOT     | 2    |
| 20   | 29.GF0002 | .GREASE FTG, 1/4 SAE 90         | 2    |
| 21   | 99.E0095  | .LOCKNUT, 5/8-11 HEAVY NYLON    | 2    |
| 22   | 99.K0121  | .BOLT, 5/8-11 X 3-1/4 GRD A325  | 2    |
| 23   | 62.1374   | .FRAME, FRONT HITCH             | 1    |

# FRAMES / SHEET METAL

## ILLUSTRATED DRAWING Hood, Grill, & Headlights





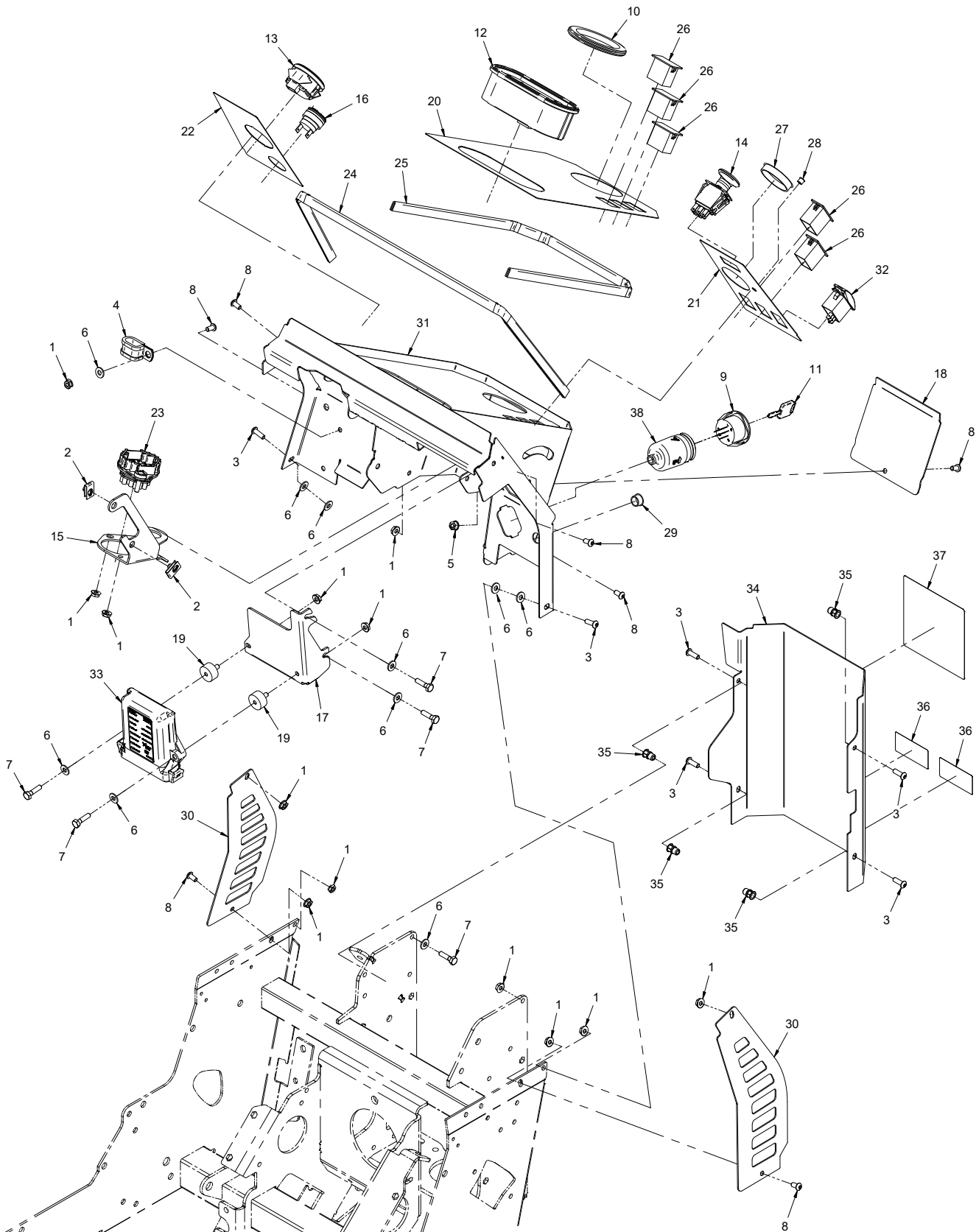
# FRAMES / SHEET METAL

## Hood, Grill, & Headlights

| REF. | PART NO.     | DESCRIPTION                                | QTY. |
|------|--------------|--------------------------------------------|------|
| 1    | 99.SF05      | .NUT, SRF 5/16-18 USS.                     | 8    |
| 2    | 99.K0072     | .MACHINE SCREW, 10-24 X 1/2 ZP.            | 6    |
| 3    | 62.1372      | .BUMPER, FRONT.                            | 1    |
| 4    | 64.0602      | .BUSHING, 3/8 X 5/8 X .265                 | 2    |
| 5    | 11.0046      | .CLAMP, CUSHIONED METAL 1/2"               | 1    |
| 6    | 99.E0101     | .NUT, LOCKING FLANGE 1/4-20                | 8    |
| 7    | 99.0506      | .BOLT, 5/16-18 X 3/4 BSCS.                 | 10   |
| 8    | 99.E0102     | .NUT, LOCKING FLANGE 5/16-18               | 2    |
| 9    | 60.1145      | .GRILL, FRONT FILLER                       | 1    |
| 10   | 60.1144      | .HOOD, ENGINE 4500.                        | 1    |
| 11   | 00.0299      | .DECAL, HOOD LEFT                          | 1    |
| 12   | 00.0308      | .DECAL, VENTRAC.                           | 2    |
| 13   | 00.0300      | .DECAL, HOOD RIGHT.                        | 1    |
| 14   | 00.0326      | .DECAL, "V" RAISED.                        | 1    |
| 15   | 99.0404      | .BOLT, 1/4-20 X 1/2 BSCS.                  | 6    |
| 16   | 99.SF0404-1  | .BOLT, SMF 1/4-20 X 1/2                    | 2    |
| 17   | 99.M0021     | .NUT, SMF M10 X 1.5.                       | 2    |
| 18   | 06.0045-12IN | .WEATHERSTRIP, 1/8 X 3/4 X 12.             | 2    |
| 19   | 06.0055-17IN | .WEATHERSTRIP, 3/8 X 3/4 X 17.             | 1    |
| 20   | 00.0307      | .DECAL, MAINTENANCE                        | 1    |
| 21   | 00.0337      | .DECAL, QUICK REFERENCE 4500               | 1    |
| 22   | 05.0083      | .WASHER, PVC .375ID X .875 X .0625.        | 2    |
| 23   | 00.0310      | .DECAL, 4500P.                             | 2    |
| 24   | 60.1253      | .GRILL, FRONT                              | 1    |
| 25   | 33.0062      | .LIGHT, WORK 3 X 3                         | 2    |
| 26   | 47.0127      | .LATCH, RUBBER DRAW T-HANDLE               | 2    |
| 27   | 00.0321      | .DECAL, DFI.                               | 2    |
| 28   | 00.0385      | .DECAL, MAINTENANCE ENGINE OIL.            | 1    |
| 50   | 33.0054      | .OPTICAL UNIT, LENS/REFLECTOR              | 1    |
| 51   | 33.0055      | .BULB, LIGHT (ONLY) FOR 55 WATT            | 1    |
| 52   | 33.0056      | .BULB, LIGHT (ONLY) FOR 35 WATT (Optional) | 1    |

# FRAMES / SHEET METAL

## ILLUSTRATED DRAWING Dash, Dash Brackets, Decals, & Switches



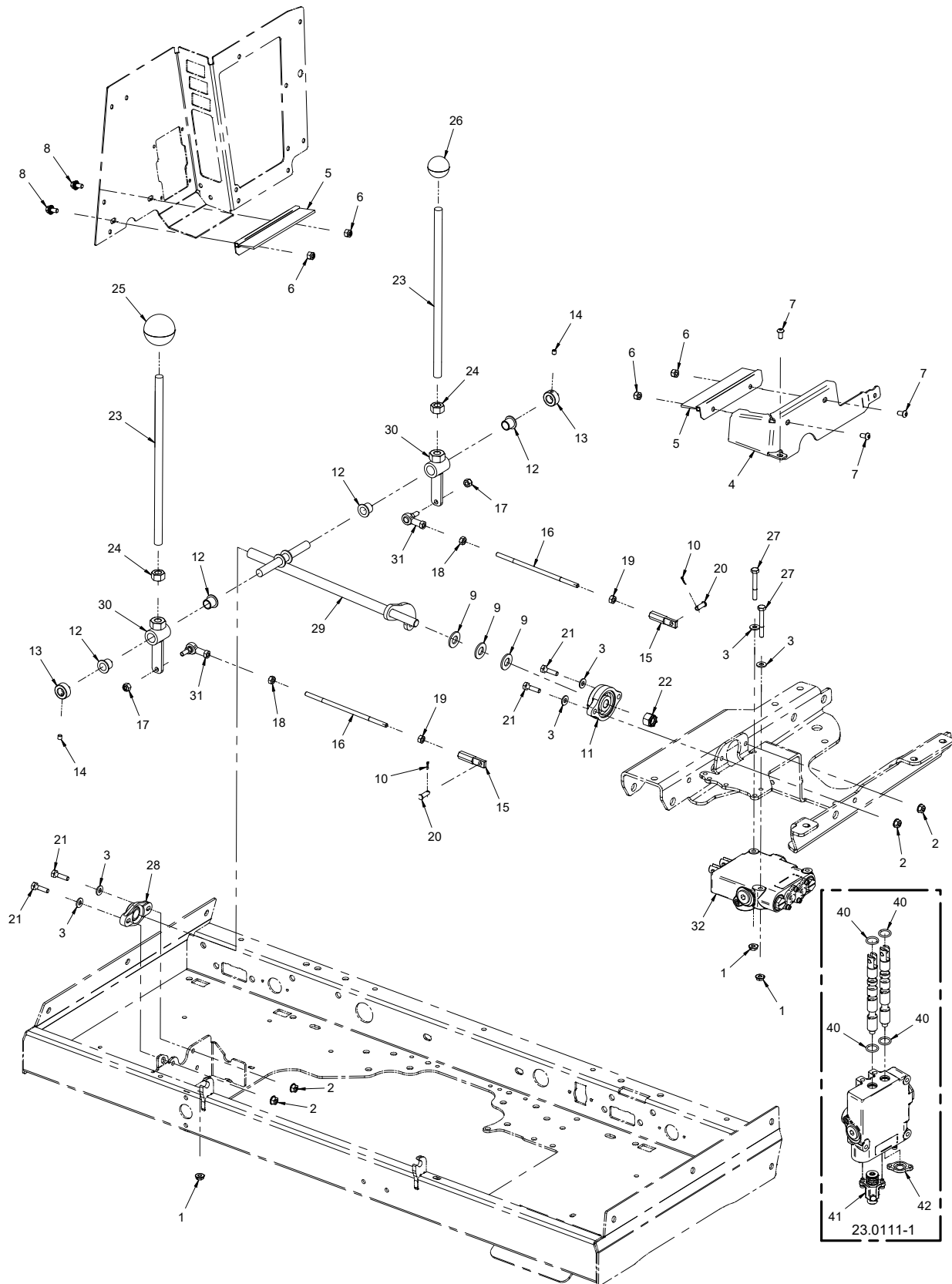
# FRAMES / SHEET METAL

## Dash, Dash Brackets, Decals, & Switches

| REF. | PART NO.        | DESCRIPTION                                        | QTY. |
|------|-----------------|----------------------------------------------------|------|
| 1    | 99.SF04         | .NUT, SRF 1/4-20 USS                               | 13   |
| 2    | 99.E0046        | .NUT, "U" 1/4-20 EXTRUDED                          | 2    |
| 3    | 99.0406         | .BOLT, 1/4-20 X 3/4 BSCS                           | 6    |
| 4    | 11.0046         | .CLAMP, CUSHIONED METAL 1/2"                       | 1    |
| 5    | 99.E0101        | .NUT, LOCKING FLANGE 1/4-20                        | 1    |
| 6    | 95.04           | .WASHER, FLAT 1/4 SAE                              | 10   |
| 7    | 90.0408         | .BOLT, 1/4-20 USS X 1"                             | 5    |
| 8    | 99.0404         | .BOLT, 1/4-20 X 1/2 BSCS                           | 7    |
| 9    | 13.0078         | .SWITCH, IGNITION DELTA                            | 1    |
| 10   | 05.0080         | .GROMMET, 2-3/4 ID, 3-5/8 OD, 5/16T                | 1    |
| 11   | 13.0080         | .KEY, IGNITION DELTA                               | 1    |
| 12   | 35.0147         | .GAUGE, CLUSTER INFORMATION                        | 1    |
| 13   | 35.0123         | .GAUGE, CLUSTER WARNING                            | 1    |
| 14   | 31.0043         | .SWITCH, PTO - PUSH / PULL                         | 1    |
| 15   | 64.1691         | .BRACKET, HARNESS CONNECTOR                        | 1    |
| 16   | 35.0124         | .ALARM, AUDIBLE CONT. PANEL MT                     | 1    |
| 17   | 64.1690         | .BRACKET, TCM                                      | 1    |
| 18   | 60.1132         | .COVER, STEERING VALVE                             | 1    |
| 19   | 05.0135         | .ISOLATOR, 1/4-20 X 1/2 X 1" F/M                   | 2    |
| 20   | 00.0304         | .DECAL, DASH CENTER                                | 1    |
| 21   | 00.0303         | .DECAL, DASH LEFT                                  | 1    |
| 22   | 00.0305         | .DECAL, DASH RIGHT                                 | 1    |
| 23   | 30.0351         | .CONNECTOR, TOWER 22 PIN SEAL                      | 1    |
| 24   | 06.0042-33.5IN  | .TRIM, TRIM LOC 1/2 X 1/16 X 33-1/2"               | 1    |
| 25   | 06.0042-34.88IN | .TRIM, TRIM LOC 1/2 X 1/16 X 34-7/8"               | 1    |
| 26   | 05.0131         | .PLUG, SWITCH OTTO K5                              | 5    |
| 27   | 05.0058         | .PLUG, 2" HOLE, NYLON                              | 1    |
| 28   | 05.0147         | .PLUG, 5/16" HOLE, NYLON BLACK                     | 1    |
| 29   | 05.0139         | .PLUG, 5/8" HOLE, BLK PLASTIC                      | 1    |
| 30   | 60.1141         | .PANEL, DASH ACCESS                                | 2    |
| 31   | 62.1376         | .DASH, MAIN PANEL                                  | 1    |
| 32   | 31.0053         | .SWITCH, ROCKER ON/OFF                             | 1    |
| 33   | 35.0128         | .MODULE, TRACTOR CONTROL (Serial # 01001-02478)    | 1    |
| 33   | 35.0146         | .MODULE, TRACTOR CONTROL (Serial # 02479-04921)    | 1    |
| 33   | 35.0134         | .MODULE, TRACTOR CONTROL (Serial # 04922)          | 1    |
| 34   | 60.1136         | .COVER, PUMP                                       | 1    |
| 35   | 99.E0105        | .NUT, INSERT 1/4-20 HEX                            | 4    |
| 36   | 00.0342         | .DECAL, WARNING PINCH POINT (Serial # 01001-14497) | 2    |
| 36   | 00.0639         | .DECAL, PINCHING HAZARD FOOT (Serial # 14498-)     | 2    |
| 37   | 00.0347         | .DECAL, 4500 SLOPE WARNING (Serial # 01001-14497)  | 1    |
| 37   | 00.0642         | .DECAL, SLOPE WARNING (Serial # 14498-)            | 1    |
| 38   | 30.0469         | .COVER, SPLASHGUARD IG SWITCH (Serial # 03834-)    | 1    |

# CONTROLS & LINKAGE

## ILLUSTRATED DRAWING SDLA Control Levers



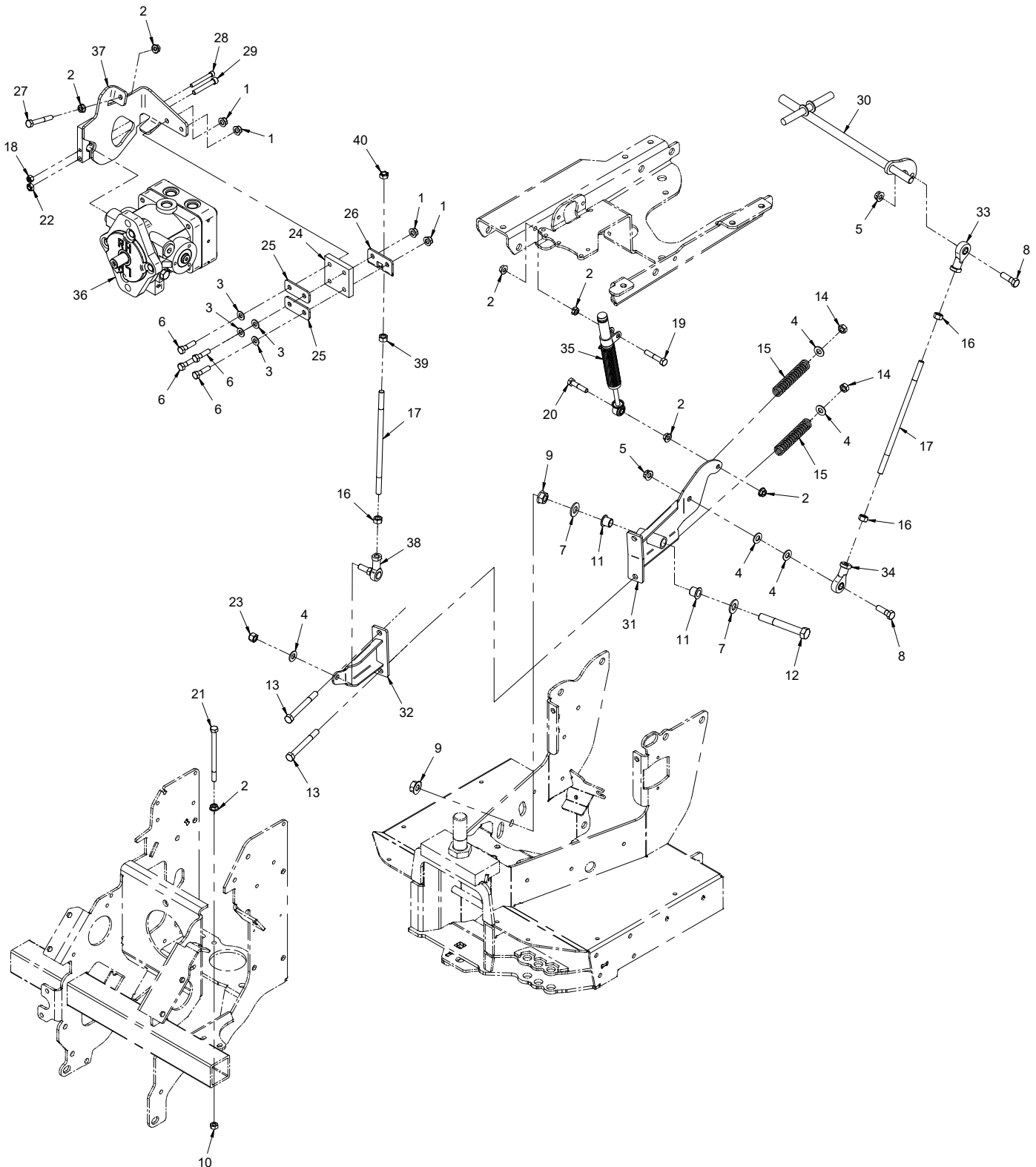
# CONTROLS & LINKAGE

## SDLA Control Levers

| REF. | PART NO.   | DESCRIPTION                      | QTY. |
|------|------------|----------------------------------|------|
| 1    | 99.SF04    | .NUT, SRF 1/4-20 USS.            | 3    |
| 2    | 99.E0101   | .NUT, LOCKING FLANGE 1/4-20      | 4    |
| 3    | 95.04      | .WASHER, FLAT 1/4 SAE            | 6    |
| 4    | 60.1120    | .COVER, SDLA PIVOT               | 1    |
| 5    | 79.0091    | .BRUSH, SDLA COVER W/HOLDER.     | 2    |
| 6    | 99.A04N    | .LOCKNUT, NYLON 1/4-20           | 4    |
| 7    | 99.0404    | .BOLT, 1/4-20 X 1/2 BSCS         | 3    |
| 8    | 99.SF0404  | .BOLT, SRF 1/4-20 X 1/2          | 2    |
| 9    | 95.08      | .WASHER, FLAT 1/2 SAE            | 3    |
| 10   | 02.CP0204  | .COTTER PIN, 1/16 X 1/2          | 2    |
| 11   | 55.FB16008 | .BEARING, FLANGE BLCK 1/2 ID     | 1    |
| 12   | 85.B0027   | .BUSHING, 1/2 ID X 5/8 OD X 5/8  | 4    |
| 13   | 85.SC08    | .SET COLLAR, 1/2"                | 2    |
| 14   | 85.SS19    | .SET SCREW, 1/4-20 X 1/4"        | 2    |
| 15   | 43.004-4   | .ROD END, 1/4-28LH YZP VAL CTRL  | 2    |
| 16   | 42.0563    | .ROD, THREAD 1/4-28x7-1/2 RH/LH  | 2    |
| 17   | 99.A04NFN  | .LOCKNUT, NYLON 1/4-28           | 2    |
| 18   | 93.04      | .NUT, 1/4-28 SAE                 | 2    |
| 19   | 99.E0081   | .NUT, 1/4-28 LH GRADE 8 YZ       | 2    |
| 20   | 03.0406    | .CLEVIS PIN, 1/4 X 3/4           | 2    |
| 21   | 90.0408    | .BOLT, 1/4-20 USS X 1"           | 4    |
| 22   | 99.A08N    | .LOCKNUT, NYLON 1/2-13 USS       | 1    |
| 23   | 40.0240    | .HANDLE, F/R CONTROL             | 2    |
| 24   | 92.08      | .NUT, 1/2-13 USS                 | 2    |
| 25   | 47.0003    | .KNOB, ROUND 2" X 1/2-13 THREAD  | 1    |
| 26   | 47.0329    | .KNOB, ROUND 1-3/8 X 1/2-13      | 1    |
| 27   | 90.0416    | .BOLT, 1/4-20 USS X 2"           | 2    |
| 28   | 55.0081    | .BEARING, FLANGE IGUS 5/8"       | 1    |
| 29   | 40.0372    | .ARM, SDLA PIVOT                 | 1    |
| 30   | 42.0562    | .PIVOT, SDLA LIFT LEVER          | 2    |
| 31   | 43.004S    | .ROD END, 1/4 SPHERICAL W/STUD   | 2    |
| 32   | 23.0111-1  | .VALVE, HY 2 SPL W/LH FLT, RH SP | 1    |
| 40   | 26.0027    | .O-RING, 5/8ID X 13/16OD X 3/32  | 4    |
| 41   | 23.0111-7  | .KIT, SPOOL FLOAT HYD. VALVE     | 1    |
| 42   | 23.0111-8  | .CAP, VALVE                      | 1    |

# CONTROLS & LINKAGE

## ILLUSTRATED DRAWING SDLA Linkage



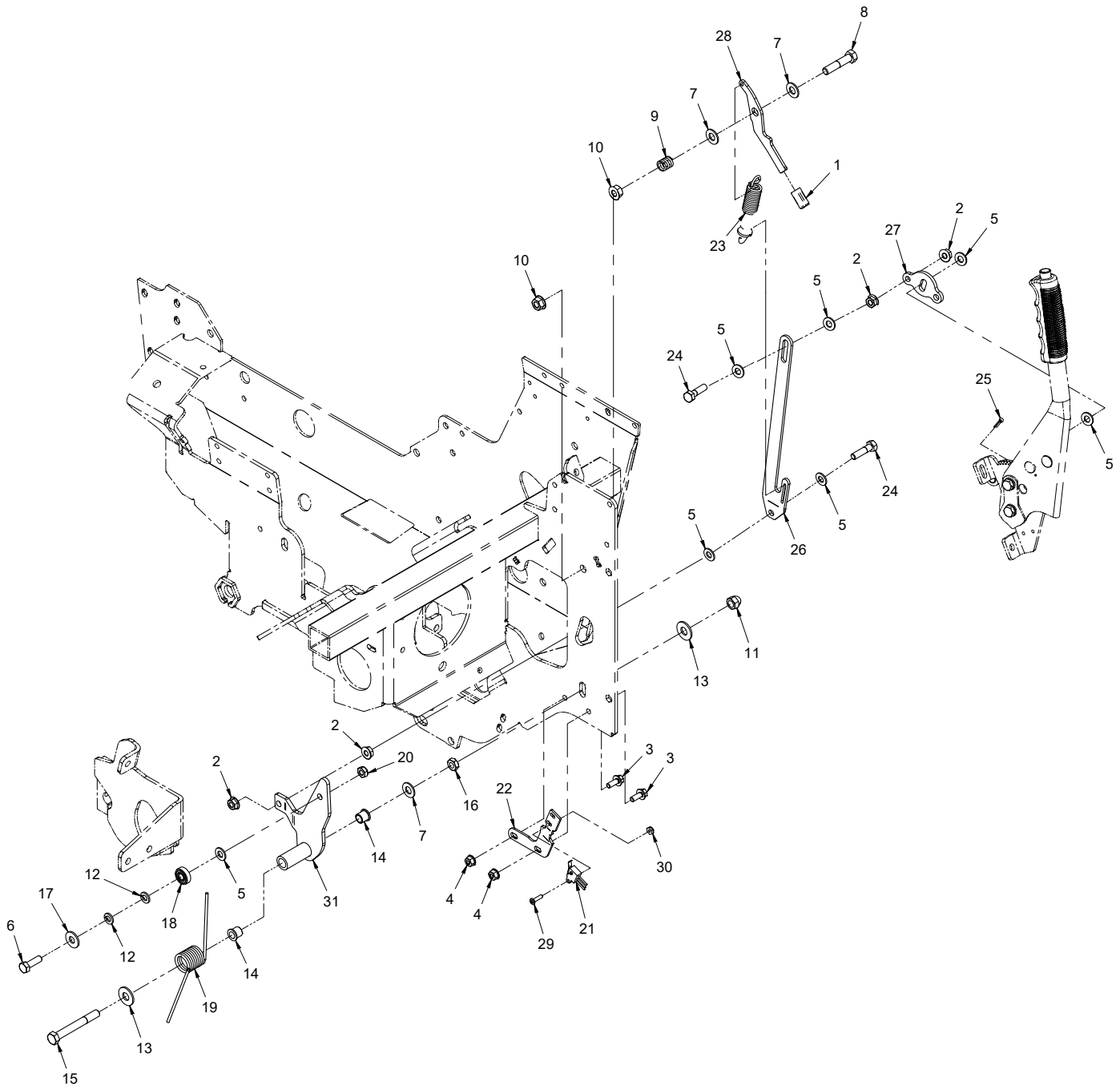
# CONTROLS & LINKAGE

## SDLA Linkage

| REF. | PART NO.  | DESCRIPTION                      | QTY. |
|------|-----------|----------------------------------|------|
| 1    | 99.E0102  | NUT, LOCKING FLANGE 5/16-18      | 4    |
| 2    | 99.SF05   | NUT, SRF 5/16-18 USS             | 7    |
| 3    | 95.05     | WASHER, FLAT 5/16 SAE            | 4    |
| 4    | 95.06     | WASHER, FLAT 3/8 SAE             | 5    |
| 5    | 99.E0082  | NUT, LOCKING FLANGE 3/8-16       | 2    |
| 6    | 90.0510   | BOLT, 5/16-18 USS X 1-1/4"       | 4    |
| 7    | 95.08     | WASHER, FLAT 1/2 SAE             | 2    |
| 8    | 90.0610   | BOLT, 3/8-16 USS X 1-1/4         | 2    |
| 9    | 99.SF08   | NUT, SRF 1/2-13 USS              | 2    |
| 10   | 92.05     | NUT, 5/16-18 USS                 | 1    |
| 11   | 85.B0027  | BUSHING, 1/2 ID X 5/8 OD X 5/8   | 2    |
| 12   | 90.0830   | BOLT, 1/2-13 USS X 3-3/4         | 1    |
| 13   | 90.0628   | BOLT, 3/8-16 USS X 3-1/2         | 2    |
| 14   | 99.A06    | LOCKNUT, STOVER 3/8-16 USS       | 2    |
| 15   | 41.0063   | SPRING, COMP. 3/4 OD X 4" LG     | 2    |
| 16   | 93.06     | NUT, 3/8-24 SAE                  | 3    |
| 17   | 42.0550   | ROD, THREAD 3/8-24 X 9" RH/LH ZP | 2    |
| 18   | 99.A04NFN | LOCKNUT, NYLON 1/4-28            | 1    |
| 19   | 90.0514   | BOLT, 5/16-18 USS X 1-3/4"       | 1    |
| 20   | 90.0512   | BOLT, 5/16-18 USS X 1-1/2"       | 1    |
| 21   | 90.0538-2 | BOLT, 5/16-18 X 4-3/4 ALL THRD   | 1    |
| 22   | 99.A05    | LOCKNUT, STOVER 5/16-18 USS      | 1    |
| 23   | 99.A06NFN | LOCKNUT, NYLON 3/8-24 SAE ZP     | 1    |
| 24   | 44.0161   | LINK, RUBBER FOR SHIFT LINKAGE   | 1    |
| 25   | 64.0763   | CLAMP, RUBBER CONNECTOR          | 2    |
| 26   | 64.0764   | BRACKET, PUMP CONTROL LINK       | 1    |
| 27   | 90.0518   | BOLT, 5/16-18 USS X 2-1/4"       | 1    |
| 28   | 99.K0076  | BOLT, SHCS 1/4-28 X 2 GRADE 8    | 1    |
| 29   | 99.K0123  | BOLT, SHCS 5/16-18 X 2 GRADE 8   | 1    |
| 30   | 40.0372   | ARM, SDLA PIVOT                  | 1    |
| 31   | 40.0371   | ARM, ROCKER F/R REAR             | 1    |
| 32   | 40.0370   | ARM, ROCKER F/R FRONT            | 1    |
| 33   | 43.006    | ROD END, 3/8 SPHERICAL, FEMALE   | 1    |
| 34   | 43.006L   | ROD END, 3/8 SPHERICAL, LH THRD  | 1    |
| 35   | 47.0316   | DAMPER, 3.187 STROKE GAS SHOCK   | 1    |
| 36   | 21.0080   | PUMP, HYD. CCW 1000 PSI          | 1    |
| 37   | 40.0375   | ARM, CONTROL/SWASH PLATE         | 1    |
| 38   | 43.006S   | ROD END, 3/8 SPHERICAL W/ STUD   | 1    |
| 39   | 99.E0114  | NUT, 3/8-24 LH ZP                | 1    |
| 40   | 99.E0107  | LOCKNUT, 3/8-24 LH ZP            | 1    |

# CONTROLS & LINKAGE

## ILLUSTRATED DRAWING Neutral Assist Lever & Neutral Switch





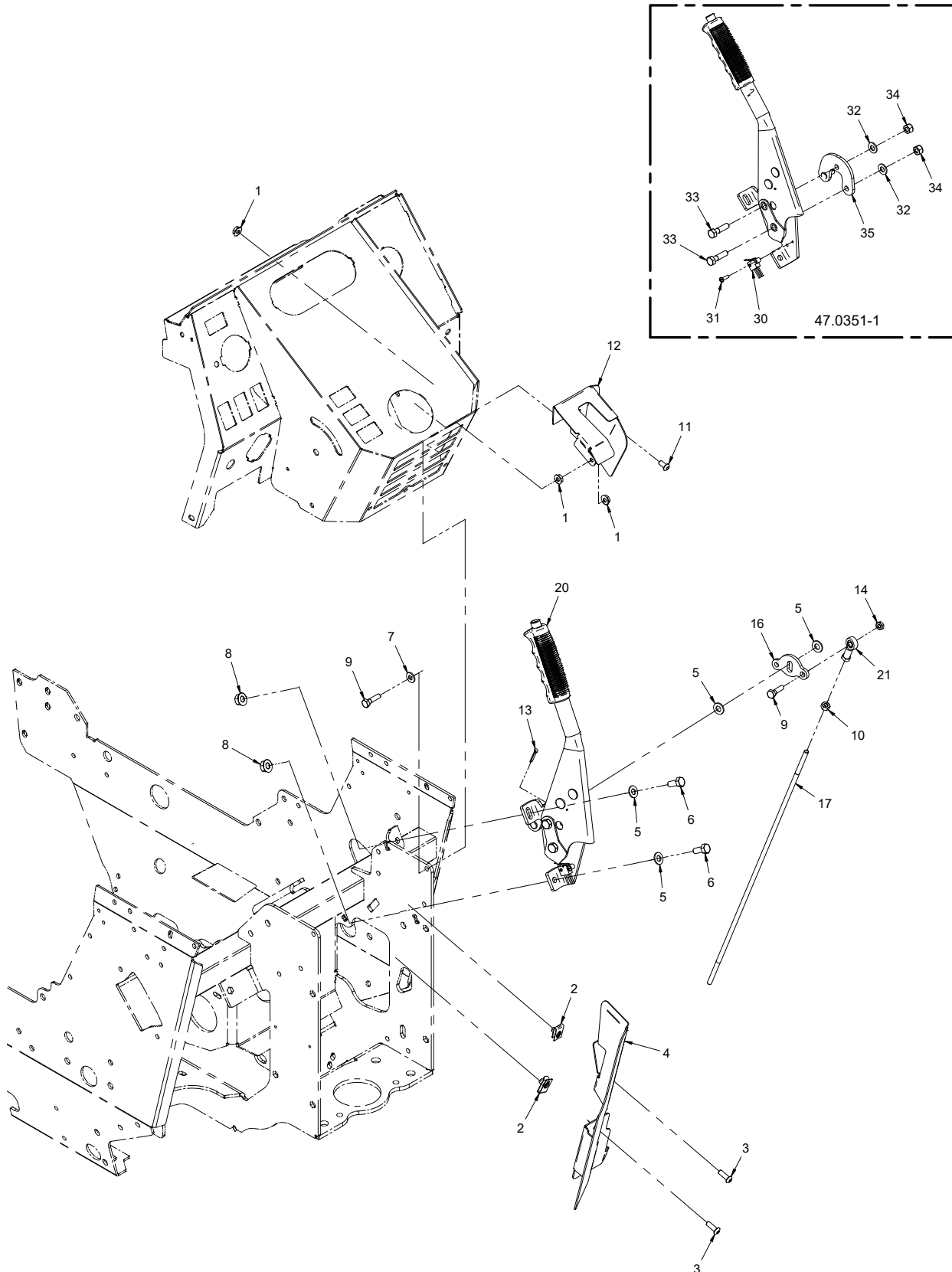
# CONTROLS & LINKAGE

## Neutral Assist Lever & Neutral Switch

| REF. | PART NO.    | DESCRIPTION                       | QTY. |
|------|-------------|-----------------------------------|------|
| 1    | 06.0044     | .CAP, PLASTIC 1/8 X 1/2 X 7/8     | 1    |
| 2    | 99.SF05     | .NUT, SRF 5/16-18 USS             | 4    |
| 3    | 99.SF0405-1 | .BOLT, SMF 1/4-20 X 5/8           | 2    |
| 4    | 99.E0101    | .NUT, LOCKING FLANGE 1/4-20       | 2    |
| 5    | 95.05       | .WASHER, FLAT 5/16 SAE            | 7    |
| 6    | 90.0508     | .BOLT, 5/16-18 USS X 1"           | 1    |
| 7    | 95.06       | .WASHER, FLAT 3/8 SAE             | 3    |
| 8    | 90.0614     | .BOLT, 3/8-16 USS X 1-3/4         | 1    |
| 9    | 41.0039     | .SPRING, COMP. 9/16 OD X 5/8      | 1    |
| 10   | 99.SF06     | .NUT, SRF 3/8-16 USS              | 2    |
| 11   | 99.E0100    | .NUT, ACORN 3/8-16                | 1    |
| 12   | 96.05       | .WASHER, LOCK 5/16                | 2    |
| 13   | 94.06       | .WASHER, FLAT 3/8 USS             | 2    |
| 14   | 85.B0068    | .BUSHING, 3/8 X 1/2 OD X 1/2 LG   | 2    |
| 15   | 90.0624     | .BOLT, 3/8-16 USS X 3             | 1    |
| 16   | 99.E0037    | .NUT, JAM 3/8-16 USS              | 1    |
| 17   | 94.05       | .WASHER, FLAT 5/16 USS            | 1    |
| 18   | 55.0022     | .BEARING, BALL .315 ID X .8661 OD | 1    |
| 19   | 41.0105     | .SPRING, TORSION LH .83"ID SS     | 1    |
| 20   | 99.E0109    | .NUT, JAM 5/16-18 NYLON LOCK      | 1    |
| 21   | 31.0058-2   | .SWITCH, MICRO NEUTRAL            | 1    |
| 22   | 64.1652     | .BRACKET, NEUTRAL SWITCH MOUNT    | 1    |
| 23   | 41.0106     | .SPRING, EXT 3/4 OD X 4 LG        | 1    |
| 24   | 90.0510     | .BOLT, 5/16-18 USS X 1-1/4"       | 2    |
| 25   | 02.CP0404   | .COTTER PIN, 1/8 X 1/2            | 1    |
| 26   | 42.0556     | .LINK, NEUTRAL ASSIST             | 1    |
| 27   | 64.1626     | .ROCKER, PARK BRAKE TENSIONER     | 1    |
| 28   | 40.0374     | .LEVER, NEUTRAL ASSIST            | 1    |
| 29   | 99.K0133    | .MACHINE SCREW, #8-32 X 5/8       | 1    |
| 30   | 99.E0104    | .NUT, JAM #8-32 NYLON LOCK        | 1    |
| 31   | 64.1628     | .ROCKER, NEUTRAL ASSIST           | 1    |

# CONTROLS & LINKAGE

## ILLUSTRATED DRAWING Parking Brake Handle, Brake Rod, & Shields



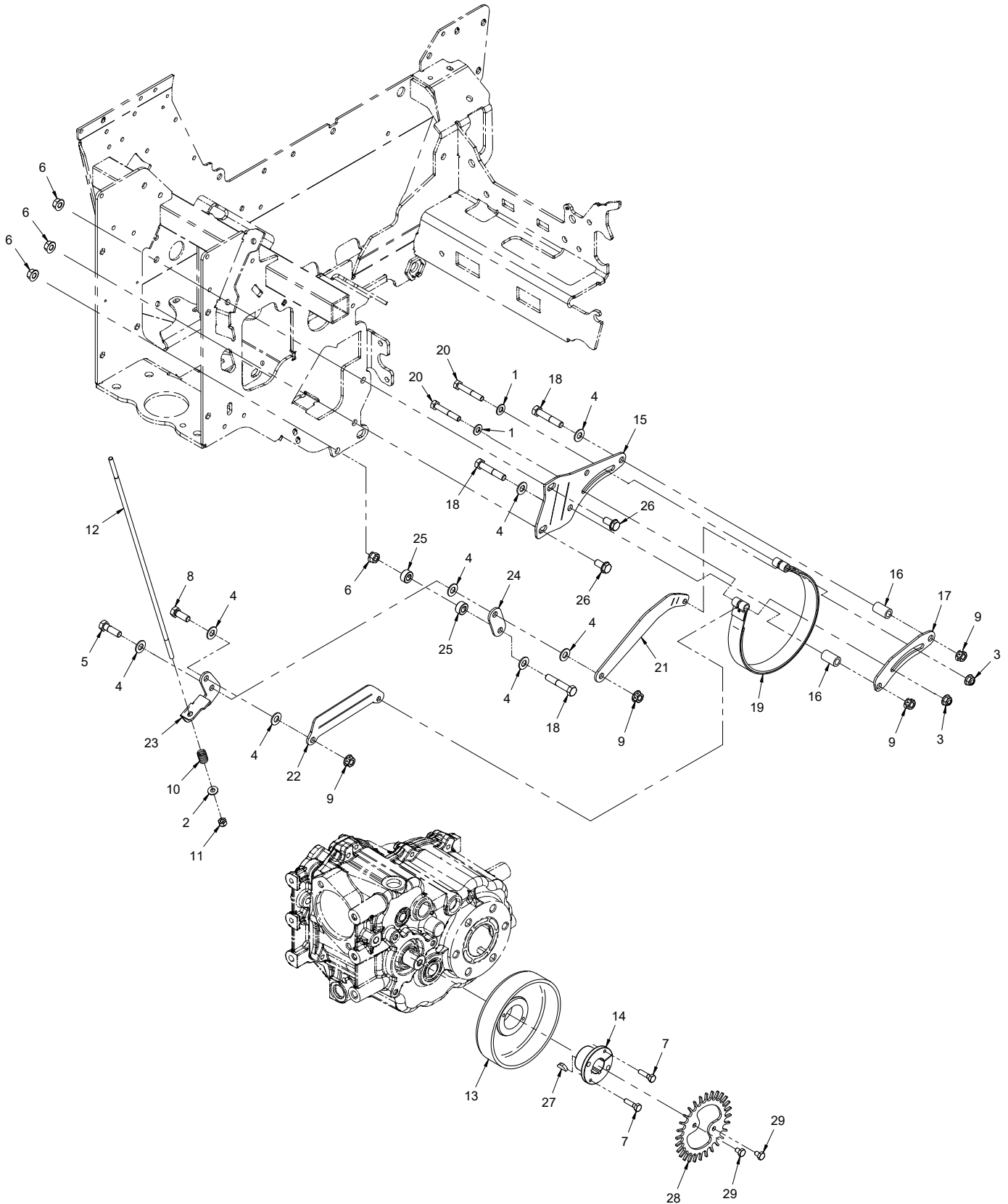
# CONTROLS & LINKAGE

## Parking Brake Handle, Brake Rod, & Shields

| REF. | PART NO.  | DESCRIPTION                      | QTY. |
|------|-----------|----------------------------------|------|
| 1    | 99.SF04   | .NUT, SRF 1/4-20 USS.            | 3    |
| 2    | 99.E0046  | .NUT, "U" 1/4-20 EXTRUDED        | 2    |
| 3    | 99.0406   | .BOLT, 1/4-20 X 3/4 BSCS         | 2    |
| 4    | 60.1151   | .COVER, PUMP ACCESS RIGHT        | 1    |
| 5    | 95.05     | .WASHER, FLAT 5/16 SAE           | 4    |
| 6    | 90.0506   | .BOLT, 5/16-18 USS X 3/4"        | 2    |
| 7    | 95.04     | .WASHER, FLAT 1/4 SAE            | 1    |
| 8    | 99.SF05   | .NUT, SRF 5/16-18 USS            | 2    |
| 9    | 90.0408   | .BOLT, 1/4-20 USS X 1"           | 2    |
| 10   | 99.E0081  | .NUT, 1/4-28 LH GRADE 8 YZ       | 1    |
| 11   | 99.0404   | .BOLT, 1/4-20 X 1/2 BSCS         | 1    |
| 12   | 60.1142   | .COVER, PARKING BRAKE            | 1    |
| 13   | 02.CP0406 | .COTTER PIN, 1/8 X 3/4           | 1    |
| 14   | 99.A04    | .LOCKNUT, STOVER 1/4-20 USS      | 1    |
| 16   | 64.1626   | .ROCKER, PARK BRAKE TENSIONER.   | 1    |
| 17   | 42.0551   | .ROD, THREAD 1/4-28 X 20" RH/LH. | 1    |
| 20   | 47.0351-1 | .LEVER, PARKING BRAKE.           | 1    |
| 21   | 43.004L   | .ROD END, 1/4 SPHERICAL LH.      | 1    |
| 30   | 31.0058-1 | .SWITCH, MICRO PARKING BRAKE     | 1    |
| 31   | 99.M0033  | .MACHINE SCREW, M4-0.7 X 14MM.   | 1    |
| 32   | 95.05     | .WASHER, FLAT 5/16 SAE           | 2    |
| 33   | 91.0510   | .BOLT, 5/16-24 SAE X 1-1/4.      | 2    |
| 34   | 99.A05NFN | .LOCKNUT, NYLON 5/16-24 SAE ZP.  | 2    |
| 35   | 64.1633   | .MOUNT, PARK BRAKE ROCKER.       | 1    |

# CONTROLS & LINKAGE

## ILLUSTRATED DRAWING Parking Brake Linkage & Brake Drum



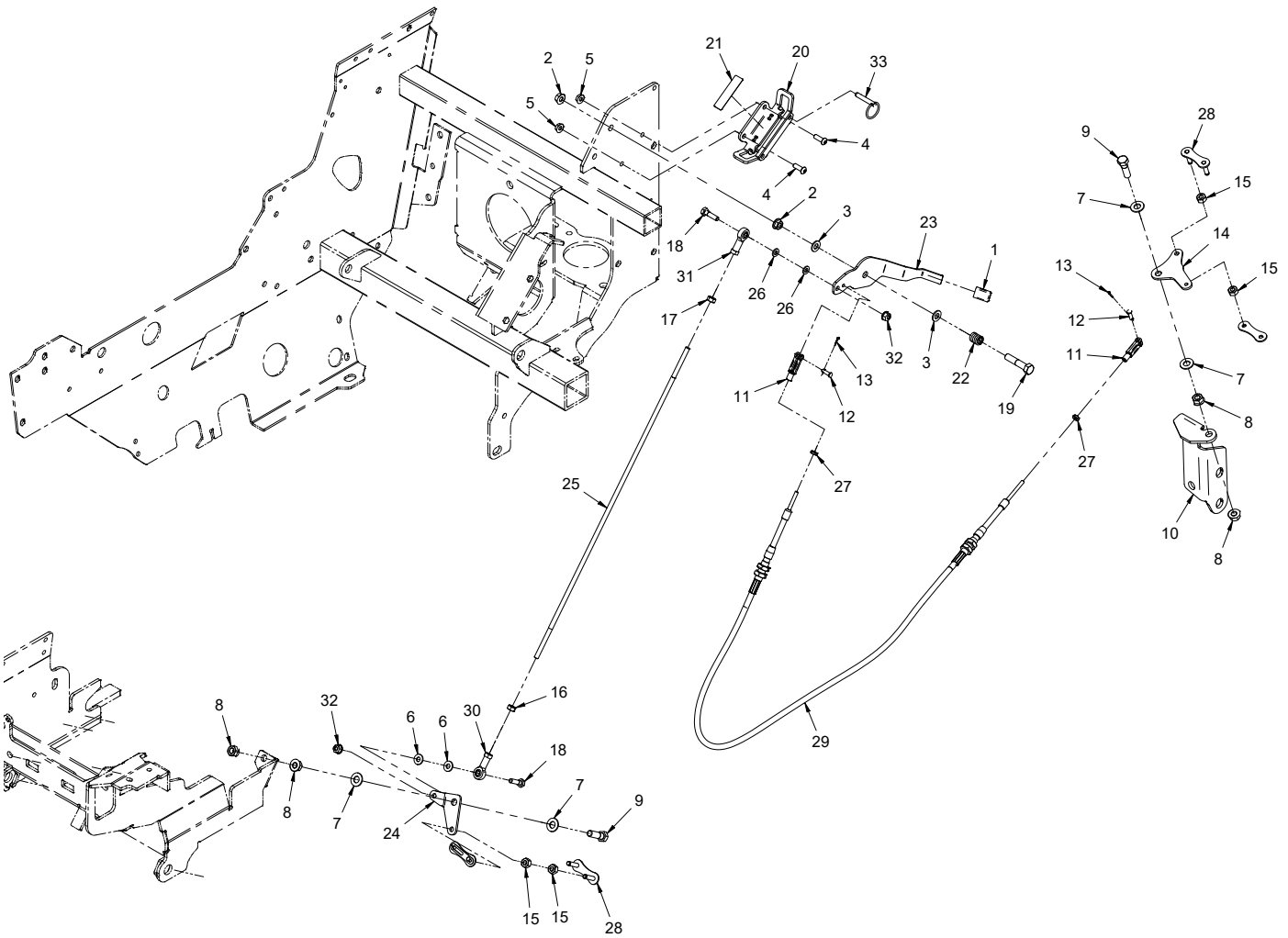
# CONTROLS & LINKAGE

## Parking Brake Linkage & Brake Drum

| REF. | PART NO.  | DESCRIPTION                         | QTY. |
|------|-----------|-------------------------------------|------|
| 1    | 95.05     | .WASHER, FLAT 5/16 SAE              | 2    |
| 2    | 95.04     | .WASHER, FLAT 1/4 SAE               | 1    |
| 3    | 99.E0102  | .NUT, LOCKING FLANGE 5/16-18        | 2    |
| 4    | 95.06     | .WASHER, FLAT 3/8 SAE               | 8    |
| 5    | 90.0610   | .BOLT, 3/8-16 USS X 1-1/4           | 1    |
| 6    | 99.SF06   | .NUT, SRF 3/8-16 USS                | 4    |
| 7    | 90.0408   | .BOLT, 1/4-20 USS X 1               | 2    |
| 8    | 90.0608   | .BOLT, 3/8-16 USS X 1               | 1    |
| 9    | 99.E0082  | .NUT, LOCKING FLANGE 3/8-16         | 4    |
| 10   | 41.0108   | .SPRING, COMP. .531 OD X .780 LG    | 1    |
| 11   | 99.A04NFN | .LOCKNUT, NYLON 1/4-28              | 1    |
| 12   | 42.0551   | .ROD, THREAD 1/4-28 X 20" RH/LH     | 1    |
| 13   | 53.0134   | .DRUM, 6" BRAKE - W/TAPER HUB       | 1    |
| 14   | 83.H16S-2 | .BUSHING, 1" SPLIT 3/16 * & 1/4 KEY | 1    |
| 15   | 64.1614   | .PLATE, BRAKE ANCHOR INNER          | 1    |
| 16   | 64.0718   | .TUBE, RD .385 X 5/8 X 1-1/16L      | 2    |
| 17   | 64.0920   | .PLATE, PARK BK MOUNT ALIGNMENT     | 1    |
| 18   | 90.0616   | .BOLT, 3/8-16 USS X 2               | 3    |
| 19   | 53.0076   | .BAND, BRAKE FOR 6" DRUM            | 1    |
| 20   | 90.0516   | .BOLT, 5/16-18 USS X 2"             | 2    |
| 21   | 42.0441   | .LINK, PARK BK PULL                 | 1    |
| 22   | 42.0442   | .LINK, PARK BK PUSH                 | 1    |
| 23   | 64.1603   | .ROCKER, PARK BRAKE                 | 1    |
| 24   | 42.0443   | .LINK, PARK BK TORQUE               | 1    |
| 25   | 85.SC06   | .SET COLLAR, 3/8"                   | 2    |
| 26   | 99.SF0606 | .BOLT, FLANGE 3/8-16 UNC X 3/4      | 2    |
| 27   | 85.W0306  | .KEY, WOODRUFF 3/16 X 3/4           | 1    |
| 28   | 64.1606   | .PLATE, SPEED INDICATOR             | 1    |
| 29   | 90.0403   | .BOLT, 1/4-20 USS X 3/8             | 2    |

# CONTROLS & LINKAGE

## ILLUSTRATED DRAWING High/Low Range Shift Linkage



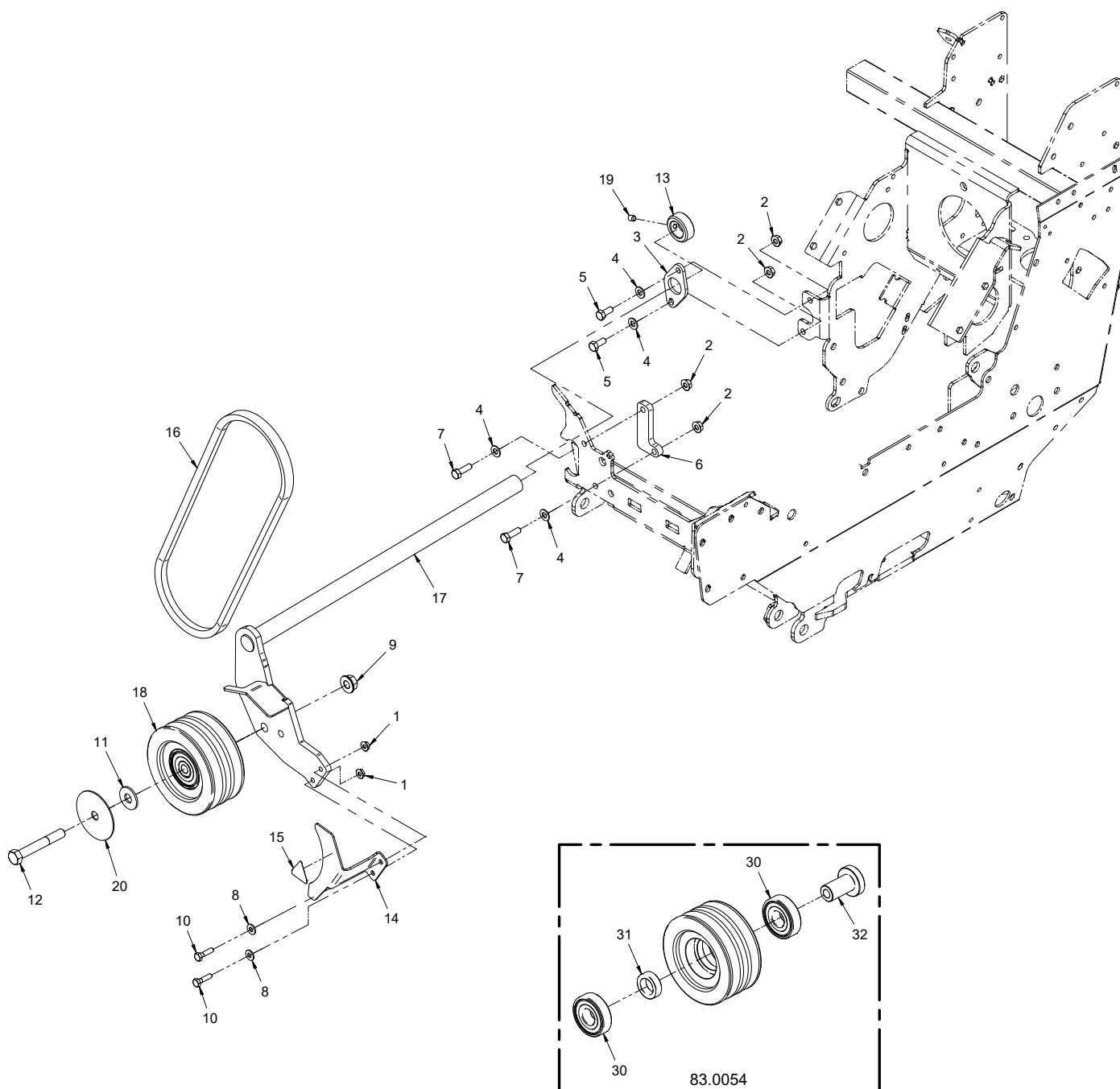
# CONTROLS & LINKAGE

## High/Low Range Shift Linkage

| REF. | PART NO.  | DESCRIPTION                                            | QTY. |
|------|-----------|--------------------------------------------------------|------|
| 1    | 06.0044   | .CAP, PLASTIC 1/8 X 1/2 X 7/8                          | 1    |
| 2    | 99.SF05   | .NUT, SRF 5/16-18 USS                                  | 2    |
| 3    | 95.05     | .WASHER, FLAT 5/16 SAE                                 | 2    |
| 4    | 99.0406   | .BOLT, 1/4-20 X 3/4 BSCS                               | 2    |
| 5    | 99.SF04   | .NUT, SRF 1/4-20 USS                                   | 2    |
| 6    | 95.04     | .WASHER, FLAT 1/4 SAE                                  | 2    |
| 7    | 95.06     | .WASHER, FLAT 3/8 SAE                                  | 4    |
| 8    | 99.SF06   | .NUT, SRF 3/8-16 USS                                   | 4    |
| 9    | 90.0610   | .BOLT, 3/8-16 USS X 1-1/4                              | 2    |
| 10   | 64.1591   | .BRACKET, REAR HITCH MT RIGHT                          | 1    |
| 11   | 43.C10-32 | .CLEVIS END, #10-32 3/16 HOLE                          | 2    |
| 12   | 03.0305   | .CLEVIS PIN, 3/16 X 5/8 ZP                             | 2    |
| 13   | 02.CP0204 | .COTTER PIN, 1/16 X 1/2                                | 2    |
| 14   | 40.0373   | .ARM, HIGH/LOW SHIFT ROCKER                            | 1    |
| 15   | 92.05     | .NUT, 5/16-18 USS                                      | 4    |
| 16   | 93.04     | .NUT, 1/4-28 SAE                                       | 1    |
| 17   | 99.E0081  | .NUT, 1/4-28 LH GRADE 8 YZ                             | 1    |
| 18   | 90.0408   | .BOLT, 1/4-20 USS X 1"                                 | 2    |
| 19   | 90.0614   | .BOLT, 3/8-16 USS X 1-3/4                              | 1    |
| 20   | 64.1618   | .BRACKET, HIGH/LOW SHIFT SELECT (Serial # 01001-01745) | 1    |
| 20   | 64.1784   | .BRACKET, HIGH/LOW SHIFT LOCK (Serial # 01746-)        | 1    |
| 21   | 00.0313   | .DECAL, HIGH/LOW RANGE                                 | 1    |
| 22   | 41.0039   | .SPRING, COMP. 9/16 OD X 5/8                           | 1    |
| 23   | 40.0379   | .LEVER, HIGH/LOW SHIFT                                 | 1    |
| 24   | 64.0703   | .PLATE, FRONT SHIFT PIVOT                              | 1    |
| 25   | 42.0561   | .ROD, THREAD 1/4-28X21.00 RH/LH                        | 1    |
| 26   | 99.B0109  | .WASHER, 1/4ID, .50 OD X .062T                         | 2    |
| 27   | 99.E0034  | .NUT, #10-32                                           | 2    |
| 28   | 81.0124   | .LINK, CONN #60 DOUBLE PITCH                           | 2    |
| 29   | 47.0122   | .CABLE, HI-LOW SHIFT                                   | 1    |
| 30   | 43.004    | .ROD END, 1/4 SPHERICAL                                | 1    |
| 31   | 43.004L   | .ROD END, 1/4 SPHERICAL LH                             | 1    |
| 32   | 99.E0101  | .NUT, LOCKING FLANGE 1/4-20                            | 2    |
| 33   | 03.0022   | .PIN, BALL 1/4" X 1" (Serial # 01746-)                 | 1    |

# CONTROLS & LINKAGE

## ILLUSTRATED DRAWING PTO Idler Pulley & Idler Arm





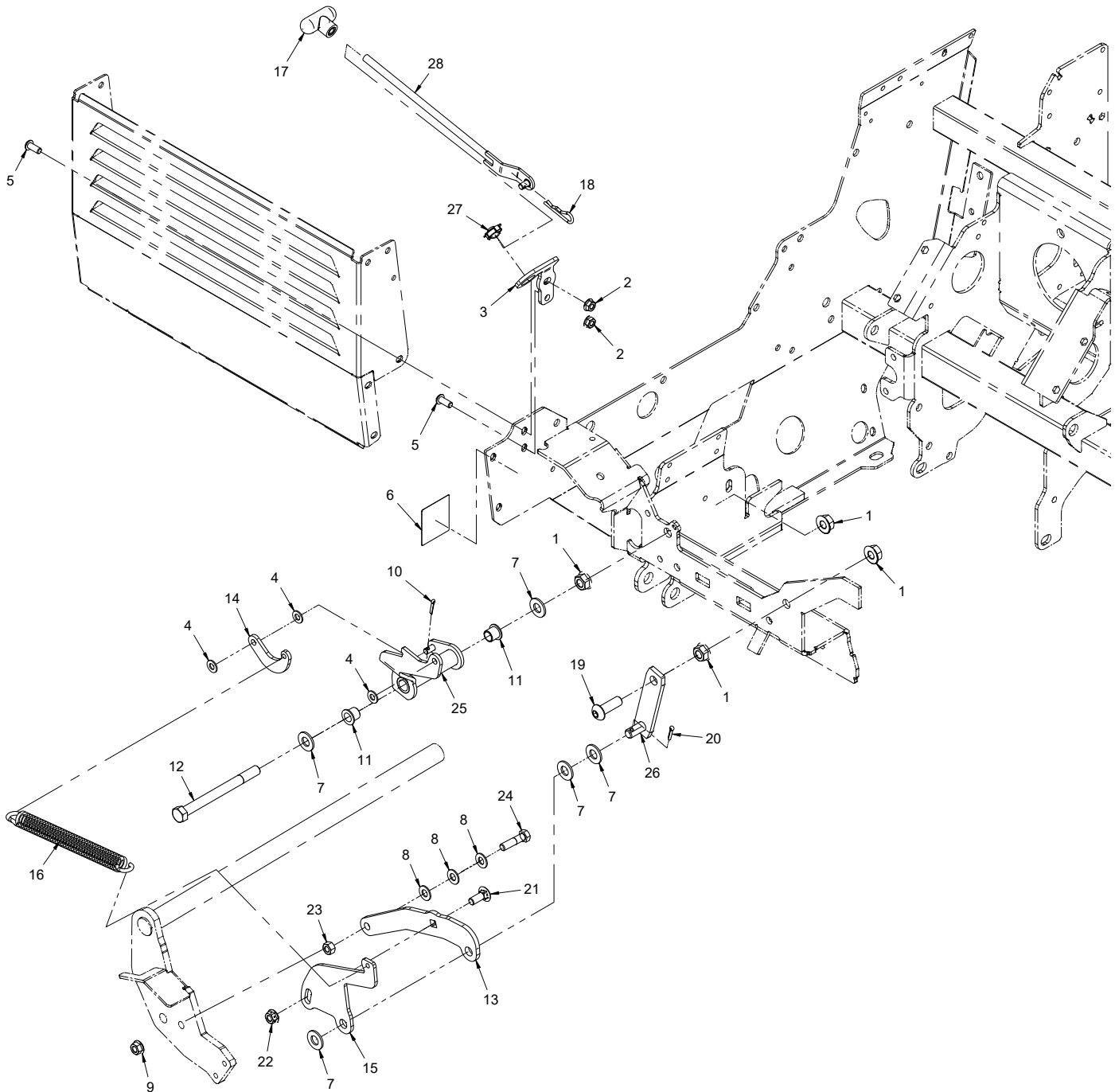
# CONTROLS & LINKAGE

## PTO Idler Pulley & Idler Arm

| REF. | PART NO.   | DESCRIPTION                      | QTY. |
|------|------------|----------------------------------|------|
| 1    | 99.SF04    | .NUT, SRF 1/4-20 USS.            | 2    |
| 2    | 99.SF05    | .NUT, SRF 5/16-18 USS.           | 4    |
| 3    | 64.1702    | .PLATE, PTO ARM HANGER           | 1    |
| 4    | 95.05      | .WASHER, FLAT 5/16 SAE           | 4    |
| 5    | 90.0506    | .BOLT, HEX 5/16-18 UNC X 3/4"    | 2    |
| 6    | 64.1699    | .PLATE, PTO WEARBAR              | 1    |
| 7    | 90.0508    | .BOLT, 5/16-18 USS X 1"          | 2    |
| 8    | 95.04      | .WASHER, FLAT 1/4 SAE            | 2    |
| 9    | 99.E0103   | .NUT, LOCKING FLANGE 1/2-13      | 1    |
| 10   | 90.0408    | .BOLT, 1/4-20 USS X 1"           | 2    |
| 11   | 94.08      | .WASHER, FLAT 1/2 USS            | 1    |
| 12   | 90.0828    | .BOLT, 1/2-13 USS X 3-1/2.       | 1    |
| 13   | 85.SC16-1. | .SET COLLAR, 1.015"              | 1    |
| 14   | 60.1135    | .GUARD, PTO IDLER PULLEY.        | 1    |
| 15   | 00.0339    | .DECAL, MOVING PARTS             | 1    |
| 16   | 81.B038    | .BELT, B38                       | 1    |
| 17   | 40.0378    | .ARM, PTO IDLER                  | 1    |
| 18   | 83.0054    | .PULLEY, IDLER 2 GROOVE ASM.     | 1    |
| 19   | 85.SS18    | .SET SCREW, 5/16-18 X 3/8        | 1    |
| 20   | 60.1279    | .COVER, PULLEY (Serial # 04776-) | 1    |
| 30   | 55.0064    | .BEARING, BALL 25 MM X 62 MM     | 2    |
| 31   | 85.B0085   | .BUSHING, BEARING SPACER.        | 1    |
| 32   | 85.B0084   | .BUSHING, DRIVE PULLEY           | 1    |

# CONTROLS & LINKAGE

## ILLUSTRATED DRAWING PTO Belt Tension Linkage



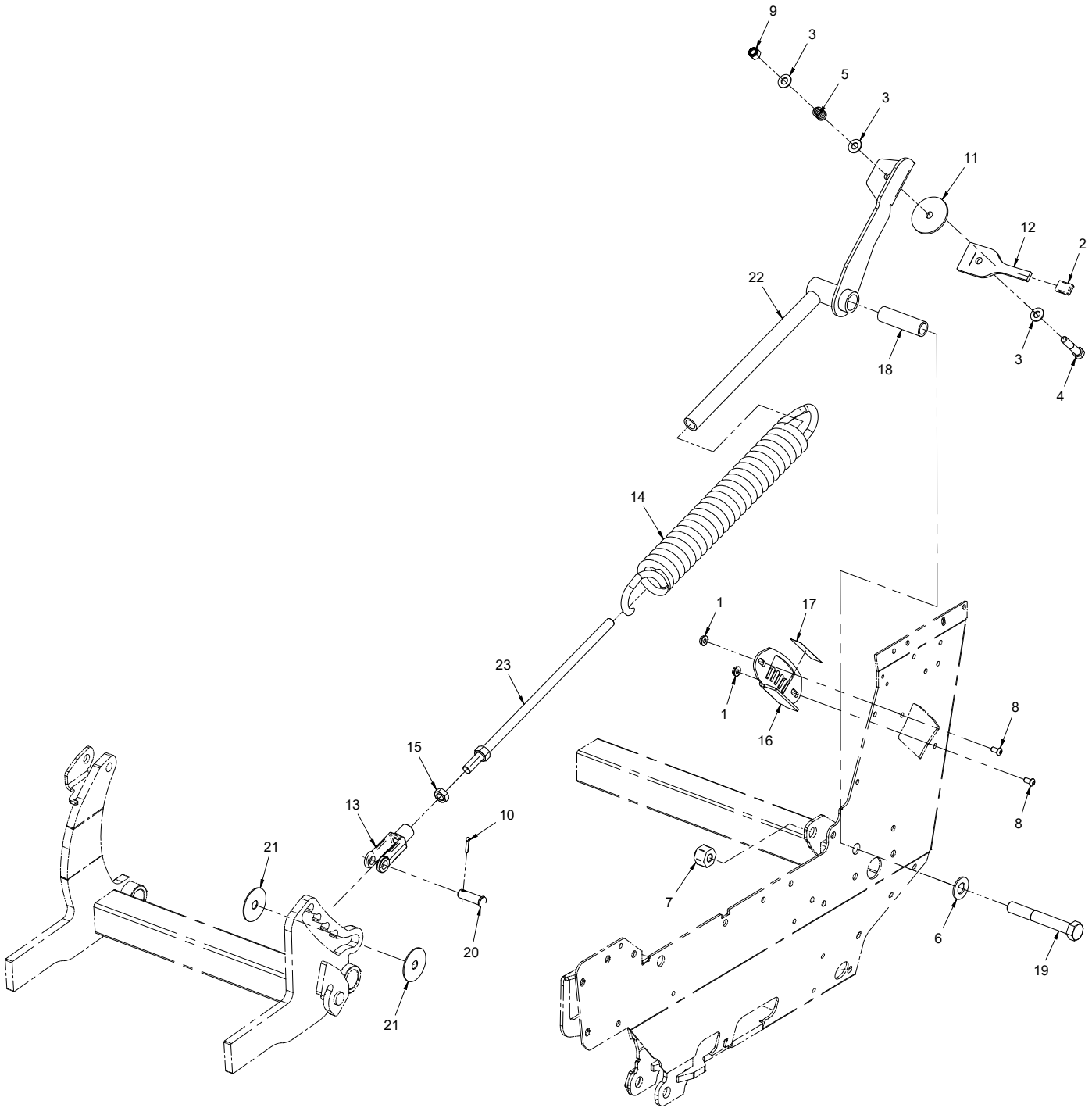
# CONTROLS & LINKAGE

## PTO Belt Tension Linkage

| REF. | PART NO.  | DESCRIPTION                                       | QTY. |
|------|-----------|---------------------------------------------------|------|
| 1    | 99.SF08   | .NUT, SRF 1/2-13 USS.                             | 4    |
| 2    | 99.SF05   | .NUT, SRF 5/16-18 USS.                            | 2    |
| 3    | 64.1616   | .BRACKET, BELT RELEASE PIVOT                      | 1    |
| 4    | 95.05     | .WASHER, FLAT 5/16 SAE                            | 3    |
| 5    | 99.0506   | .BOLT, 5/16-18 X 3/4 BSCS                         | 2    |
| 6    | 00.0319   | .DECAL, PTO TENSION                               | 1    |
| 7    | 95.08     | .WASHER, FLAT 1/2 SAE                             | 5    |
| 8    | 95.06     | .WASHER, FLAT 3/8 SAE                             | 3    |
| 9    | 99.SF06   | .NUT, SRF 3/8-16 USS.                             | 1    |
| 10   | 02.CP0406 | .COTTER PIN, 1/8 X 3/4                            | 1    |
| 11   | 85.B0027  | .BUSHING, 1/2 ID X 5/8 OD X 5/8.                  | 2    |
| 12   | 90.0844   | .BOLT, 1/2-13 USS X 5-1/2.                        | 1    |
| 13   | 42.0552   | .LINK, PTO IDLER PUSH ARM (Serial # 01001-05178). | 1    |
| 13   | 42.0584   | .LINK, PTO IDLER PUSH ARM (Serial # 05179-).      | 1    |
| 14   | 42.0557   | .LINK, PTO BELT TENSIONER                         | 1    |
| 15   | 42.0559   | .LINK, PTO TENSIONER ADJUSTER                     | 1    |
| 16   | 41.0056   | .SPRING, EXT 7/8 OD X 8-1/2 LNG                   | 1    |
| 17   | 47.0330   | .KNOB, BAR 2-1/4 X 3/8-16.                        | 1    |
| 18   | 02.HP0416 | .HAIRPIN, 1/8 X 2.                                | 1    |
| 19   | 99.0812   | .BOLT, 1/2-13 X 1-1/2 BSCS                        | 1    |
| 20   | 02.CP0506 | .COTTER PIN, 5/32 X 3/4                           | 1    |
| 21   | 90.0608   | .BOLT, 3/8-16 USS X 1 (Serial # 01001-05178).     | 1    |
| 21   | 97.0608   | .BOLT, CARRIAGE 3/8 X 1 (Serial # 05179-)         | 1    |
| 22   | 99.E0082  | .NUT, LOCKING FLANGE 3/8-16                       | 1    |
| 23   | 92.06     | .NUT, 3/8-16 USS                                  | 1    |
| 24   | 90.0612   | .BOLT, 3/8-16 USS X 1-1/2.                        | 1    |
| 25   | 64.1627   | .ROCKER, PTO IDLER ARM TENSION.                   | 1    |
| 26   | 64.1610   | .ROCKER, PTO TENSIONER.                           | 1    |
| 27   | 55.0082   | .BEARING, SPHERICAL 10MM ID                       | 1    |
| 28   | 42.0554   | .ROD, PTO BELT TENSIONER                          | 1    |

# CONTROLS & LINKAGE

## ILLUSTRATED DRAWING Weight Transfer



# CONTROLS & LINKAGE

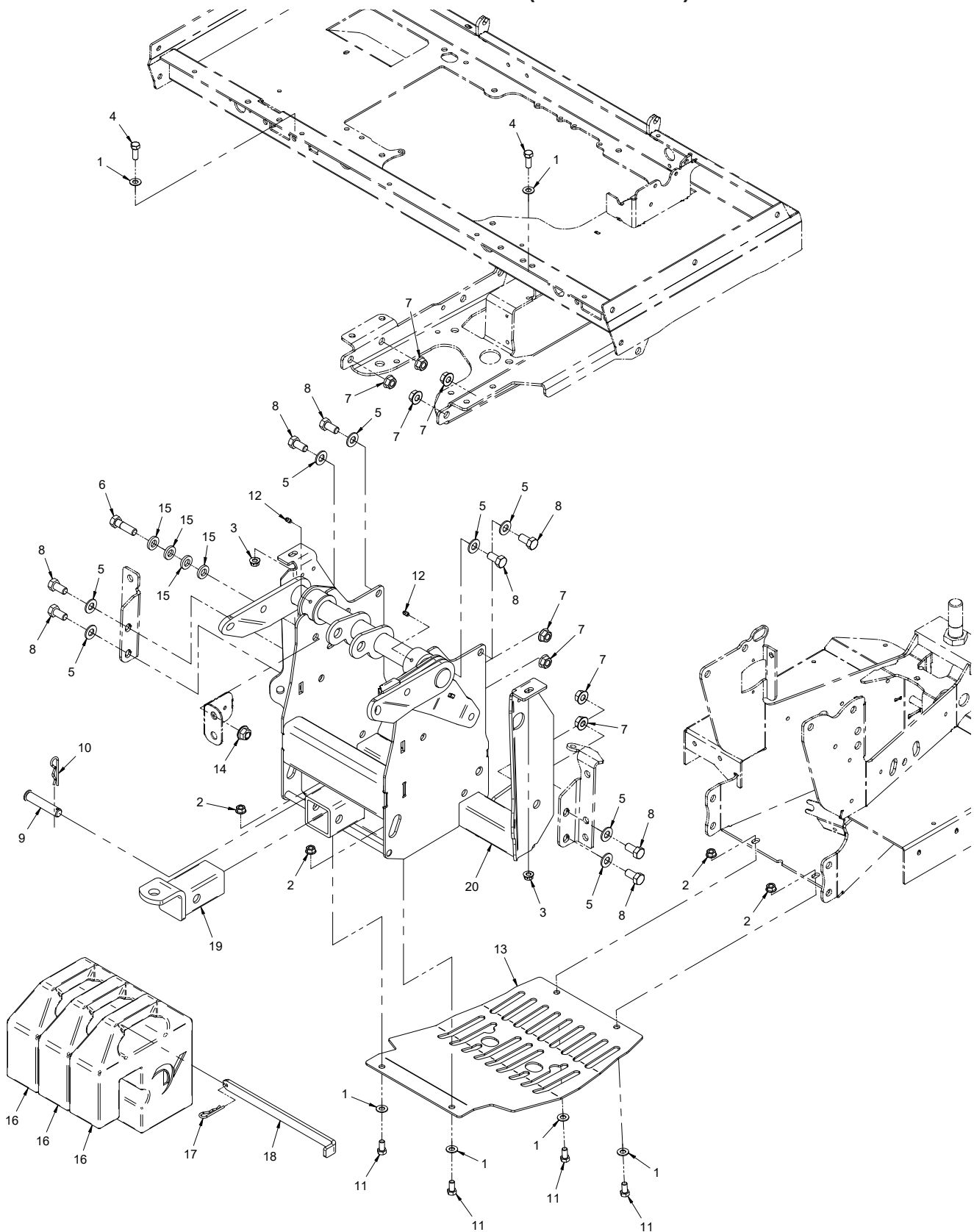
## Weight Transfer

| REF. | PART NO.    | DESCRIPTION                      | QTY. |
|------|-------------|----------------------------------|------|
| 1    | 99.SF04     | .NUT, SRF 1/4-20 USS.            | 2    |
| 2    | 06.0044     | .CAP, PLASTIC 1/8 X 1/2 X 7/8    | 1    |
| 3    | 95.06       | .WASHER, FLAT 3/8 SAE            | 3    |
| 4    | 90.0614     | .BOLT, 3/8-16 USS X 1-3/4.       | 1    |
| 5    | 41.0039     | .SPRING, COMP. 9/16 OD X 5/8.    | 1    |
| 6    | 95.10       | .WASHER, FLAT 5/8 SAE            | 1    |
| 7    | 99.E0095    | .LOCKNUT, 5/8-11 HEAVY NYLON     | 1    |
| 8    | 99.0404     | .BOLT, 1/4-20 X 1/2 BSCS         | 2    |
| 9    | 99.A06N     | .LOCKNUT, NYLON 3/8-16 USS.      | 1    |
| 10   | 02.CP0506   | .COTTER PIN, 5/32 X 3/4          | 1    |
| 11   | 05.0002     | .WASHER, FRIC. 2-1/4 X 13/32.    | 1    |
| 12   | 40.0381     | .LEVER, WEIGHT TRANSFER SELECT.  | 1    |
| 13   | 43.C08-1R-B | .CLEVIS END, 1/2-20 RH MOD.      | 1    |
| 14   | 70.4115*    | .KIT, WEIGHT TRANSFER 4500.      | 1    |
| 15   | 99.E0079    | .NUT, JAM 1/2-20 RH ZP           | 1    |
| 16   | 64.1619     | .BRACKET, WT. TRANSFER SELECTOR. | 1    |
| 17   | 00.0314     | .DECAL, WEIGHT TRANSFER.         | 1    |
| 18   | 64.1612     | .BUSHING, PIVOT WEIGHT TRANSFER  | 1    |
| 19   | 90.1036     | .BOLT, 5/8-11 USS X 4-1/2.       | 1    |
| 20   | 03.0812     | .CLEVIS PIN, 1/2 X 1-1/2.        | 1    |
| 21   | 99.B0099    | .WASHER, FENDER 1/2" X 2" OD ZP  | 2    |
| 22   | 40.0380     | .ARM, WEIGHT TRANSFER.           | 1    |
| 23   | 42.0555     | .ROD, WEIGHT TRANSFER ADJUSTER   | 1    |

\*Weight transfer spring cannot be replaced separately. Order kit # 70.4115 and follow the kit instructions to replace with pre-assembled components.

# OPTIONS

## ILLUSTRATED DRAWING 3 Point Hitch Frame (Kit #70.4100)



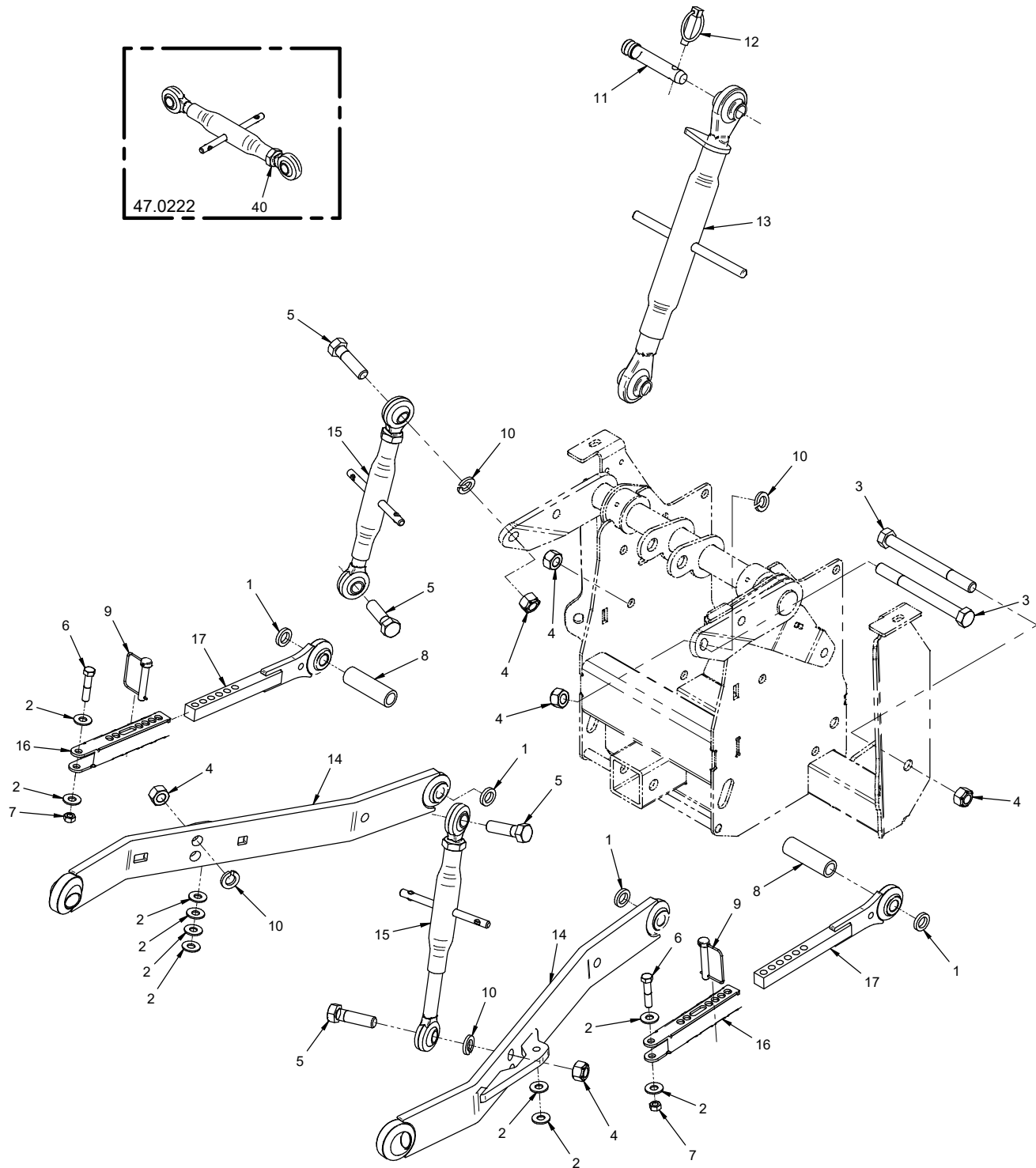
# OPTIONS

## 3 Point Hitch Frame (Kit #70.4100)

| REF. | PART NO.  | DESCRIPTION                    | QTY. |
|------|-----------|--------------------------------|------|
| 1    | 95.06     | .WASHER, FLAT 3/8 SAE          | 6    |
| 2    | 99.SF06   | .NUT, SRF 3/8-16 USS.          | 4    |
| 3    | 99.E0082  | .NUT, LOCKING FLANGE 3/8-16    | 2    |
| 4    | 90.0608   | .BOLT, 3/8-16 USS X 1.         | 2    |
| 5    | 95.08     | .WASHER, FLAT 1/2 SAE          | 8    |
| 6    | 90.0814   | .BOLT, 1/2-13 USS X 1-3/4.     | 1    |
| 7    | 99.SF08   | .NUT, SRF 1/2-13 USS.          | 8    |
| 8    | 90.0808   | .BOLT, 1/2-13 USS X 1.         | 8    |
| 9    | 03.1024   | .CLEVIS PIN, 5/8 X 3 OAL.      | 1    |
| 10   | 02.HP0420 | .HAIRPIN, 1/8 X 2 1/2.         | 1    |
| 11   | 90.0606   | .BOLT, 3/8-16 USS X 3/4        | 4    |
| 12   | 29.GF0001 | .GREASE FTG, 1/4 SAE ST        | 2    |
| 13   | 64.1868   | .PLATE, REAR AXLE SKID W/3PT.  | 1    |
| 14   | 99.E0103  | .NUT, LOCKING FLANGE 1/2-13    | 1    |
| 15   | 99.B0092  | .WASHER, 17/32ID X 1"OD X .165 | 4    |
| 16   | 47.0115-1 | .WEIGHT, SUITCASE - 42 LBS     | 3    |
| 17   | 02.HP0416 | .HAIRPIN, 1/8 X 2.             | 1    |
| 18   | 64.1312   | .PIN, WEIGHT RETAINER          | 1    |
| 19   | 62.0968   | .HITCH, REAR                   | 2    |
| 20   | 62.1365   | .FRAME, MAIN 3-POINT HITCH.    | 1    |

# OPTIONS

## ILLUSTRATED DRAWING 3 Point Hitch Arms (Kit #70.4100)





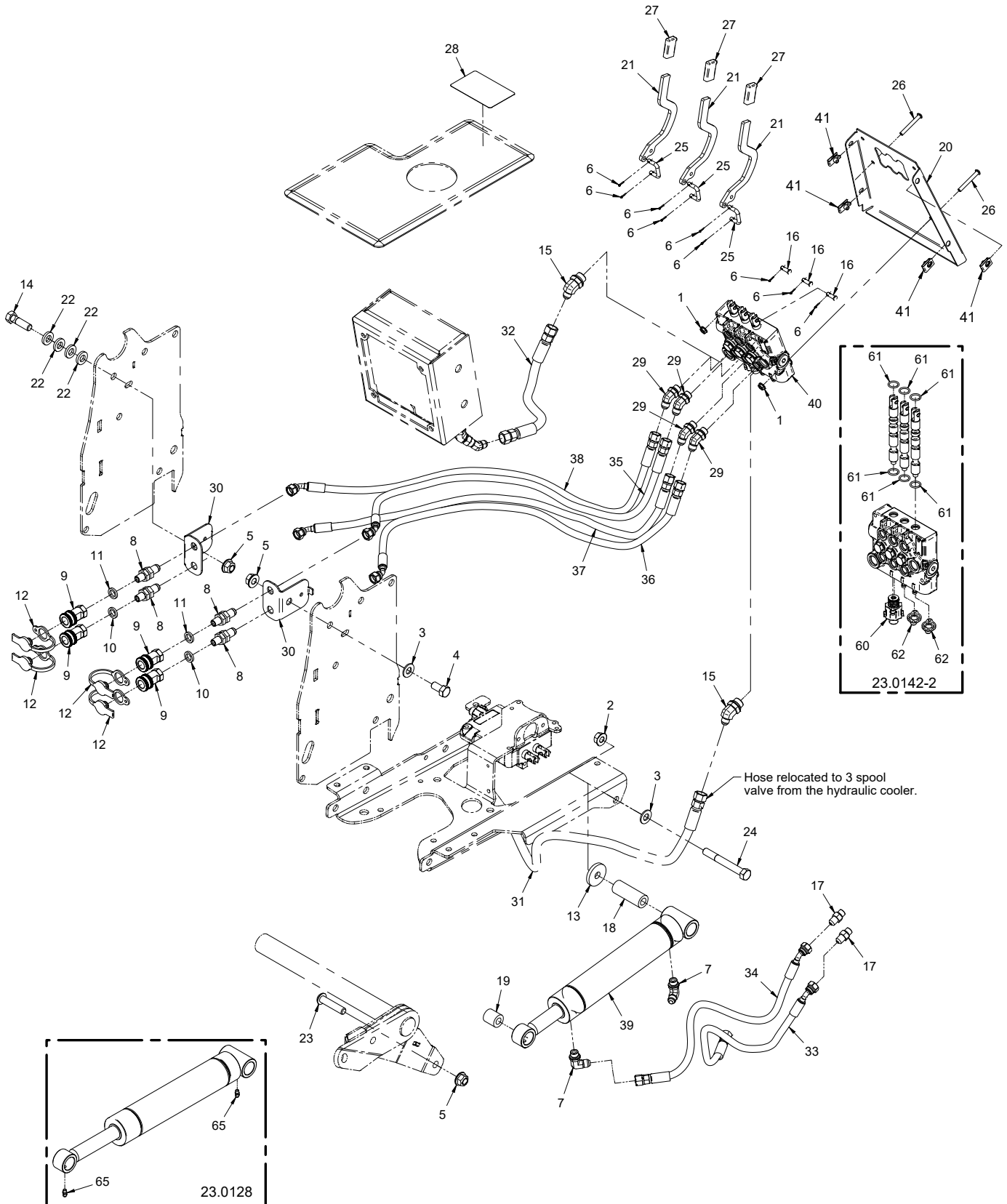
# OPTIONS

## 3 Point Hitch Arms (Kit #70.4100)

| REF. | PART NO. | DESCRIPTION                                     | QTY. |
|------|----------|-------------------------------------------------|------|
| 1    | 99.B0061 | .WASHER, 3/16 X 21/32 X 1 1/32                  | 4    |
| 2    | 94.06    | .WASHER, FLAT 3/8 USS                           | 10   |
| 3    | 90.1052  | .BOLT, 5/8-11 UNC X 6-1/2                       | 2    |
| 4    | 99.A10   | .LOCKNUT, STOVER 5/8-11 USS                     | 6    |
| 5    | 90.1018  | .BOLT, 5/8-11 USS X 2-1/4                       | 4    |
| 6    | 90.0614  | .BOLT, 3/8-16 USS X 1-3/4                       | 2    |
| 7    | 99.A06   | .LOCKNUT, STOVER 3/8-16 USS                     | 2    |
| 8    | 64.1247  | .BUSHING, HITCH ARM SPACER                      | 2    |
| 9    | 03.0001  | .PIN, SAFETY SNAP 3/8 X 1-3/4"                  | 2    |
| 10   | 96.10    | .WASHER, LOCK 5/8                               | 4    |
| 11   | 03.0004  | .PIN, TOP LINK CATEGORY 1                       | 1    |
| 12   | 03.0005  | .PIN, LINCH                                     | 1    |
| 13   | 42.0406  | .LINK, TOP CAT #1 COMPLETE                      | 1    |
| 14   | 40.0365  | .ARM, UNIVERSAL LIFT                            | 2    |
| 15   | 47.0222  | .TOP LINK, CAT. #0, ADJUSTABLE                  | 2    |
| 16   | 42.0402  | .LINK, SWAYBAR 3-PT FEMALE                      | 2    |
| 17   | 42.0403  | .LINK, SWAYBAR 3PT MALE (Superseded by KN-6089) | 2    |
| 17   | KN-6089  | .LINK, SWAYBAR 3PT MALE                         | 2    |
| 40   | 99.E0087 | .NUT, JAM 3/4-10 USS                            | 1    |

# OPTIONS

## ILLUSTRATED DRAWING 3 Point Hitch Hydraulics (Kit #70.4100)



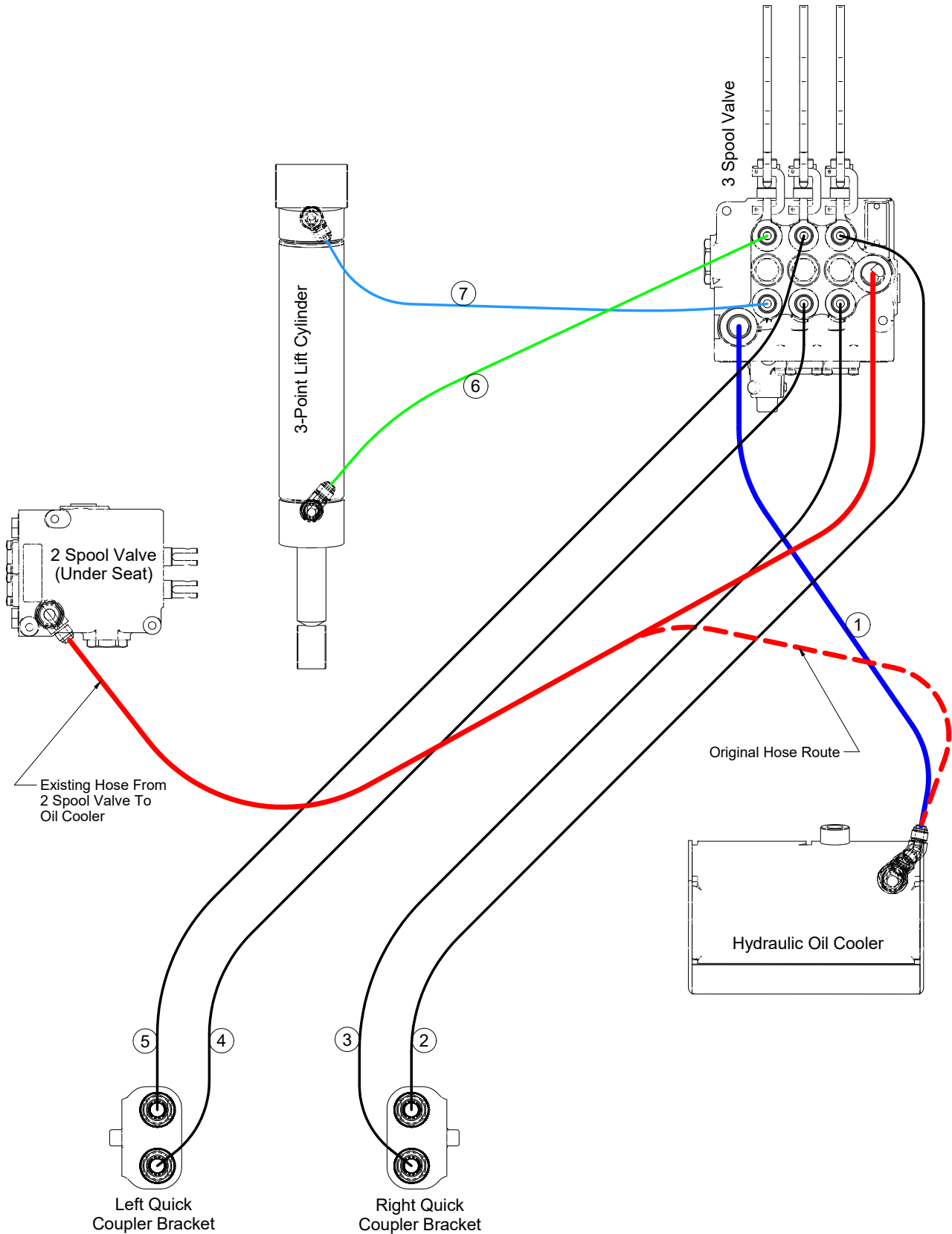
# OPTIONS

## 3 Point Hitch Hydraulics (Kit #70.4100)

| REF. | PART NO.        | DESCRIPTION                            | QTY. |
|------|-----------------|----------------------------------------|------|
| 1    | 99.SF04         | .NUT, SRF 1/4-20 USS.                  | 2    |
| 2    | 99.SF08         | .NUT, SRF 1/2-13 USS.                  | 1    |
| 3    | 95.08           | .WASHER, FLAT 1/2 SAE                  | 2    |
| 4    | 90.0808         | .BOLT, 1/2-13 USS X 1.                 | 1    |
| 5    | 99.E0103        | .NUT, LOCKING FLANGE 1/2-13            | 3    |
| 6    | 02.CP0204       | .COTTER PIN, 1/16 X 1/2                | 9    |
| 7    | 25.6801-06-06   | .FITTING, 90 ME 3/8 X 3/8.             | 2    |
| 8    | 25.2706-04-06LN | .FITTING, BULKHEAD W/ LOCKNUT          | 4    |
| 9    | 23.0106         | .COUPLER, HYDRAULIC QUICK - 1/4 FEMALE | 4    |
| 10   | 05.0116         | .WASHER, .544 ID X .817 X .14 RED      | 2    |
| 11   | 05.0117         | .WASHER, .544 ID X .817 X .14 YEL      | 2    |
| 12   | 23.0126         | .PLUG, DUST FOR 23.0106                | 4    |
| 13   | 99.B0064        | .WASHER, 1/4 X 1.75 X .531 HOLE        | 1    |
| 14   | 90.0814         | .BOLT, 1/2-13 USS X 1-3/4.             | 1    |
| 15   | 25.6802-06-08   | .FITTING, 45 ME 3/8 X 1/2.             | 2    |
| 16   | 03.0406         | .CLEVIS PIN, 1/4 X 3/4                 | 3    |
| 17   | 25.6400-06-06   | .FITTING, M CONN 3/8 X 3/8             | 2    |
| 18   | 64.1722         | .BUSHING, STEEL .563 X 1.000.          | 1    |
| 19   | 64.0749         | .BUSHING, STEEL 0.516 X 1.000.         | 1    |
| 20   | 60.1129         | .PANEL, TOOLBOX FRONT 3PT              | 1    |
| 21   | 40.0382         | .LEVER, KN 3PT HYD HANDLE.             | 3    |
| 22   | 99.B0092        | .WASHER, 17/32ID X 1"OD X .165         | 4    |
| 23   | 99.0818         | .BOLT, 1/2-13 X 2-1/4 BSCS             | 1    |
| 24   | 90.0832         | .BOLT, 1/2-13 USS X 4.                 | 1    |
| 25   | 23.0142-6       | .LINK, VALVE HANDLE "C"                | 3    |
| 26   | 99.0416         | .BOLT, 1/4-20 X 2 BSCS                 | 2    |
| 27   | 06.0058         | .CAP, PLASTIC 1/4 X 5/8 X 1-1/2        | 3    |
| 28   | 00.0327         | .DECAL, 3PT HITCH                      | 1    |
| 29   | 25.6802-06-06   | .FITTING, 45 ME 3/8 X 3/8.             | 4    |
| 30   | 64.1701         | .BRACKET, HYD. QUICK COUPLER.          | 2    |
| 31   | 20.0299         | .HOSE, 3/8X32.00 SAE 100R17 AR.        | 1    |
| 32   | 20.0307         | .HOSE, 3/8X12.00 SAE 100R17 AR         | 1    |
| 33   | 20.0308         | .HOSE, 1/4X23.00 SAE 100R17 AR         | 1    |
| 34   | 20.0308         | .HOSE, 1/4X23.00 SAE 100R17 AR         | 1    |
| 35   | 20.0309         | .HOSE, 1/4X33.00 SAE 100R17 AR         | 1    |
| 36   | 20.0309         | .HOSE, 1/4X33.00 SAE 100R17 AR         | 1    |
| 37   | 20.0309         | .HOSE, 1/4X33.00 SAE 100R17 AR         | 1    |
| 38   | 20.0309         | .HOSE, 1/4X33.00 SAE 100R17 AR         | 1    |
| 39   | 23.0128         | .CYLINDER, 2" X 8" LIFT.               | 1    |
| 40   | 23.0142-2       | .VALVE, 3 SPOOL W/RH FLOAT             | 1    |
| 41   | 99.E0046        | .NUT, "U" 1/4-20 EXTRUDED              | 4    |
| 60   | 23.0111-7       | .KIT, SPOOL FLOAT HYD. VALVE           | 1    |
| 61   | 26.0027         | .O-RING, 5/8ID X 13/16OD X 3/32        | 6    |
| 62   | 23.0111-8       | .CAP, VALVE.                           | 2    |
| 65   | 29.GF0001       | .GREASE FTG, 1/4 SAE ST                | 2    |

# OPTIONS

## ILLUSTRATED DRAWING 3 Point Hitch Hydraulic Diagram (Kit #70.4100)



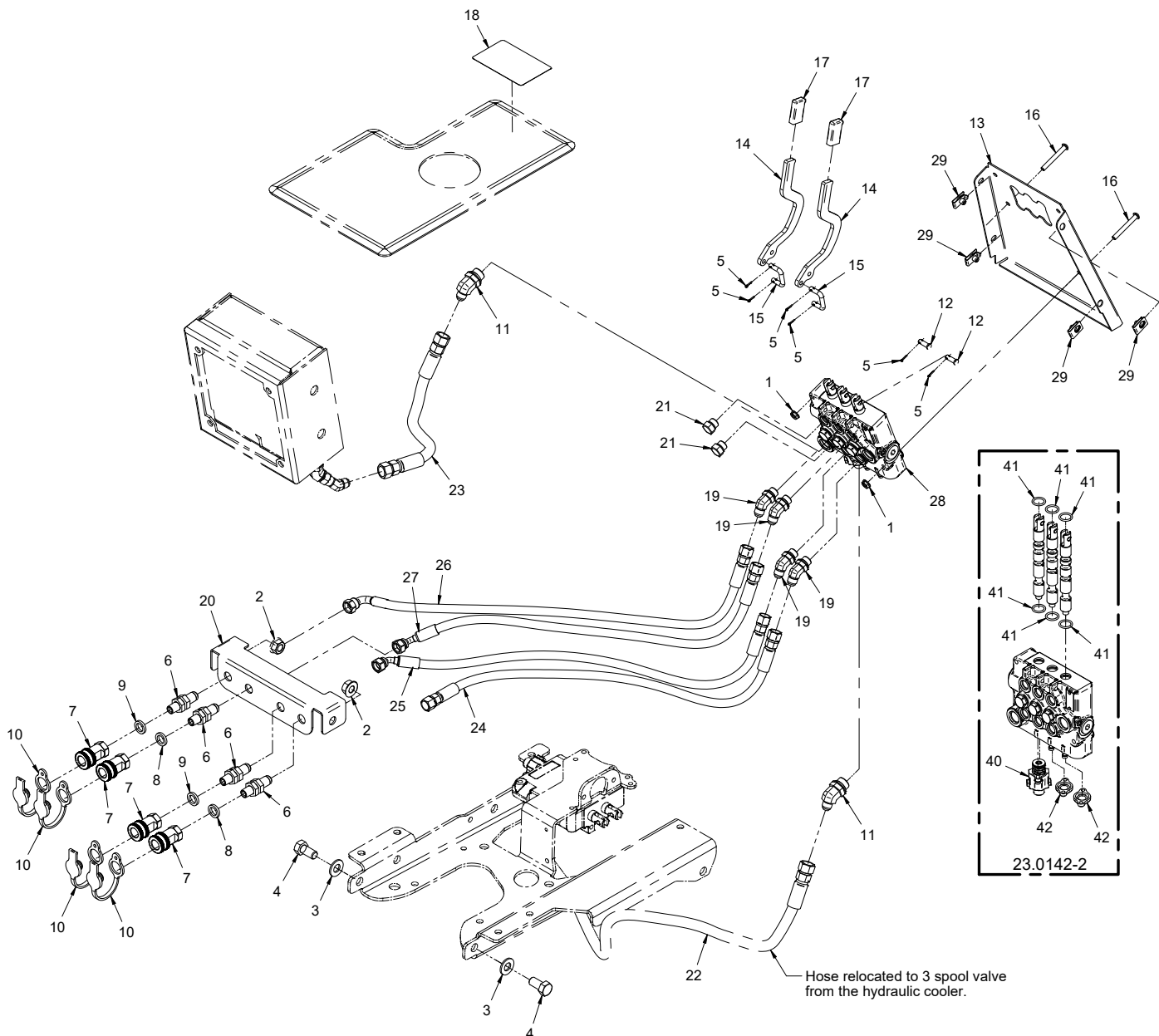
# OPTIONS

## 3 Point Hitch Hydraulic Diagram (Kit #70.4100)

| REF. | PART NO. | DESCRIPTION                    | QTY. |
|------|----------|--------------------------------|------|
| 1    | 20.0307  | .HOSE, 3/8X12.00 SAE 100R17 AR | 1    |
| 2    | 20.0309  | .HOSE, 1/4X33.00 SAE 100R17 AR | 1    |
| 3    | 20.0309  | .HOSE, 1/4X33.00 SAE 100R17 AR | 1    |
| 4    | 20.0309  | .HOSE, 1/4X33.00 SAE 100R17 AR | 1    |
| 5    | 20.0309  | .HOSE, 1/4X33.00 SAE 100R17 AR | 1    |
| 6    | 20.0308  | .HOSE, 1/4X23.00 SAE 100R17 AR | 1    |
| 7    | 20.0308  | .HOSE, 1/4X23.00 SAE 100R17 AR | 1    |

# OPTIONS

## ILLUSTRATED DRAWING Rear Hydraulic Valve (Kit # 70.4126)



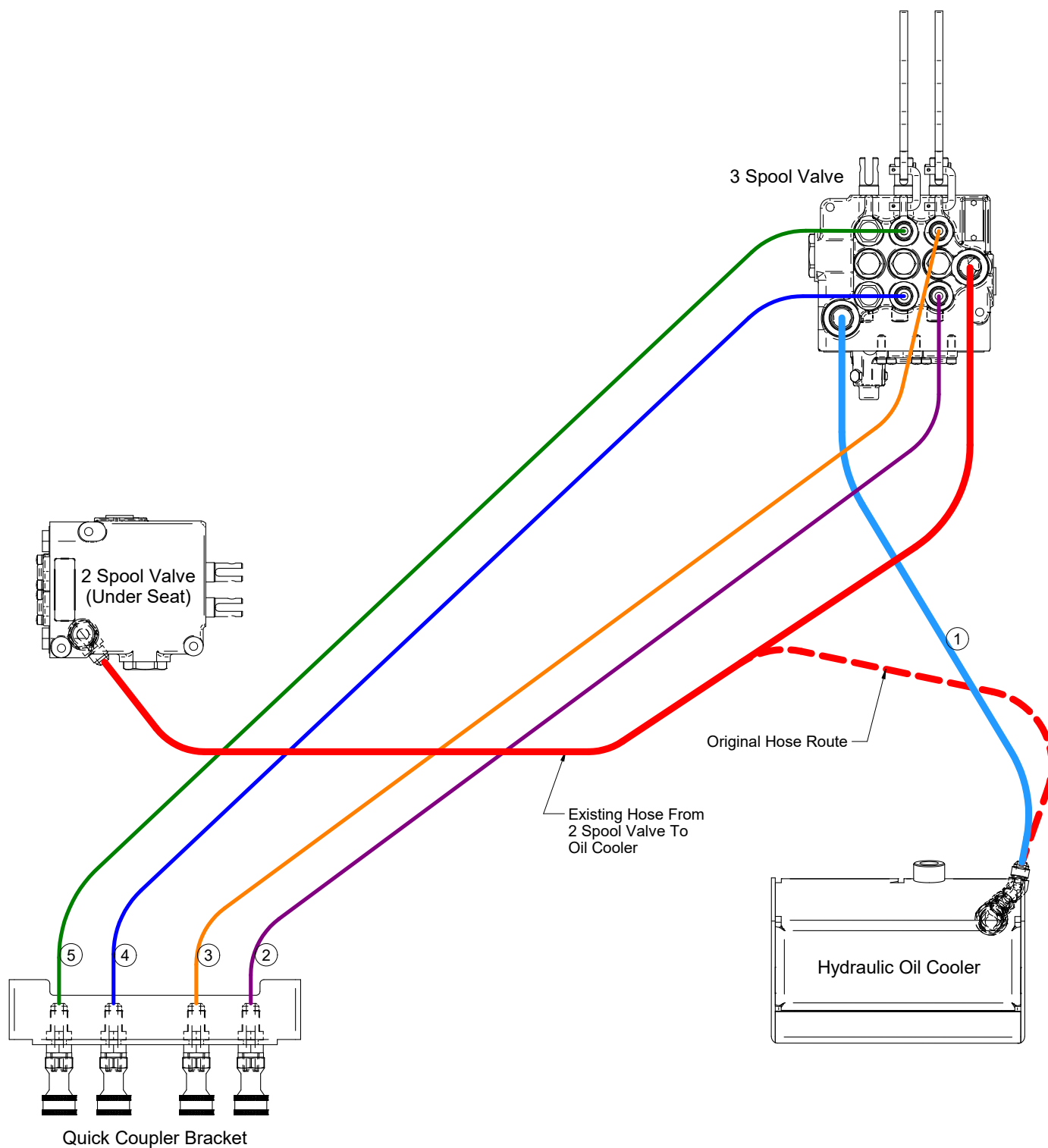
# OPTIONS

## Rear Hydraulic Valve (Kit # 70.4126)

| REF. | PART NO.        | DESCRIPTION                            | QTY. |
|------|-----------------|----------------------------------------|------|
| 1    | 99.SF04         | .NUT, SRF 1/4-20 USS.                  | 2    |
| 2    | 99.SF08         | .NUT, SRF 1/2-13 USS.                  | 2    |
| 3    | 95.08           | .WASHER, FLAT 1/2 SAE                  | 2    |
| 4    | 90.0808         | .BOLT, 1/2-13 USS X 1.                 | 2    |
| 5    | 02.CP0204       | .COTTER PIN, 1/16 X 1/2                | 6    |
| 6    | 25.2706-04-06LN | .FITTING, BULKHEAD W/ LOCKNUT          | 4    |
| 7    | 23.0106         | .COUPLER, HYDRAULIC QUICK - 1/4 FEMALE | 4    |
| 8    | 05.0116         | .WASHER, .544 ID X .817 X .14 RED      | 2    |
| 9    | 05.0117         | .WASHER, .544 ID X .817 X .14 YEL      | 2    |
| 10   | 23.0126         | .PLUG, DUST FOR 23.0106                | 4    |
| 11   | 25.6802-06-08   | .FITTING, 45 ME 3/8 X 1/2.             | 2    |
| 12   | 03.0406         | .CLEVIS PIN, 1/4 X 3/4                 | 2    |
| 13   | 60.1129         | .PANEL, TOOLBOX FRONT 3PT              | 1    |
| 14   | 40.0382         | .LEVER, KN 3PT HYD HANDLE              | 2    |
| 15   | 23.0142-6       | .LINK, VALVE HANDLE "C"                | 2    |
| 16   | 99.0416         | .BOLT, 1/4-20 X 2 BSCS                 | 2    |
| 17   | 06.0058         | .CAP, PLASTIC 1/4 X 5/8 X 1-1/2        | 2    |
| 18   | 00.0327         | .DECAL, 3PT HITCH                      | 1    |
| 19   | 25.6802-06-06   | .FITTING, 45 ME 3/8 X 3/8.             | 4    |
| 20   | 64.1772         | .BRACKET, HYD COUPLER REAR 4           | 1    |
| 21   | 25.6408-06      | .FITTING, O-RING PLUG 3/8              | 2    |
| 22   | 20.0299         | .HOSE, 3/8X32.00 SAE 100R17 AR.        | 1    |
| 23   | 20.0307         | .HOSE, 3/8X12.00 SAE 100R17 AR         | 1    |
| 24   | 20.0258         | .HOSE, 1/4X27.50 SAE 100R17 AR         | 1    |
| 25   | 20.0188         | .HOSE, 1/4X30.00 SAE 100R17 AR         | 1    |
| 26   | 20.0246         | .HOSE, 1/4X31.00 SAE 100R17 AR         | 1    |
| 27   | 20.0188         | .HOSE, 1/4X30.00 SAE 100R17 AR         | 1    |
| 28   | 23.0142-2       | .VALVE, 3 SPOOL W/RH FLOAT             | 1    |
| 29   | 99.E0046        | .NUT, "U" 1/4-20 EXTRUDED              | 4    |
| 40   | 23.0111-7       | .KIT, SPOOL FLOAT HYD. VALVE           | 1    |
| 41   | 26.0027         | .O-RING, 5/8ID X 13/16OD X 3/32        | 6    |
| 42   | 23.0111-8       | .CAP, VALVE                            | 2    |

# OPTIONS

## ILLUSTRATED DRAWING Rear Hydraulic Valve Diagram (Kit # 70.4126)





# OPTIONS

## Rear Hydraulic Valve Diagram (Kit # 70.4126)

| REF. | PART NO. | DESCRIPTION                    | QTY. |
|------|----------|--------------------------------|------|
| 1    | 20.0307  | .HOSE, 3/8X12.00 SAE 100R17 AR | 1    |
| 2    | 20.0258  | .HOSE, 1/4X27.50 SAE 100R17 AR | 1    |
| 3    | 20.0188  | .HOSE, 1/4X30.00 SAE 100R17 AR | 1    |
| 4    | 20.0188  | .HOSE, 1/4X30.00 SAE 100R17 AR | 1    |
| 5    | 20.0246  | .HOSE, 1/4X31.00 SAE 100R17 AR | 1    |

# OPTIONS

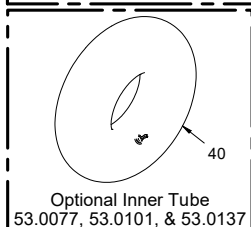
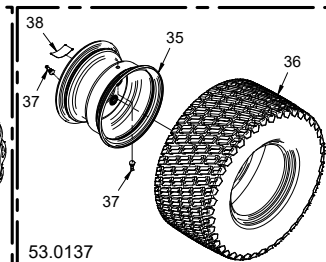
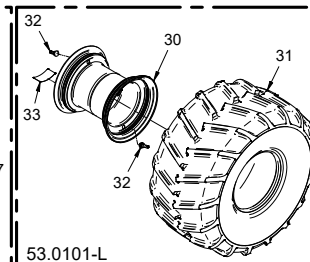
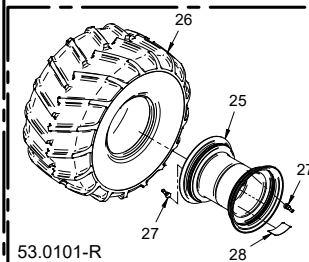
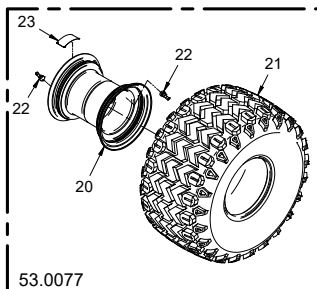
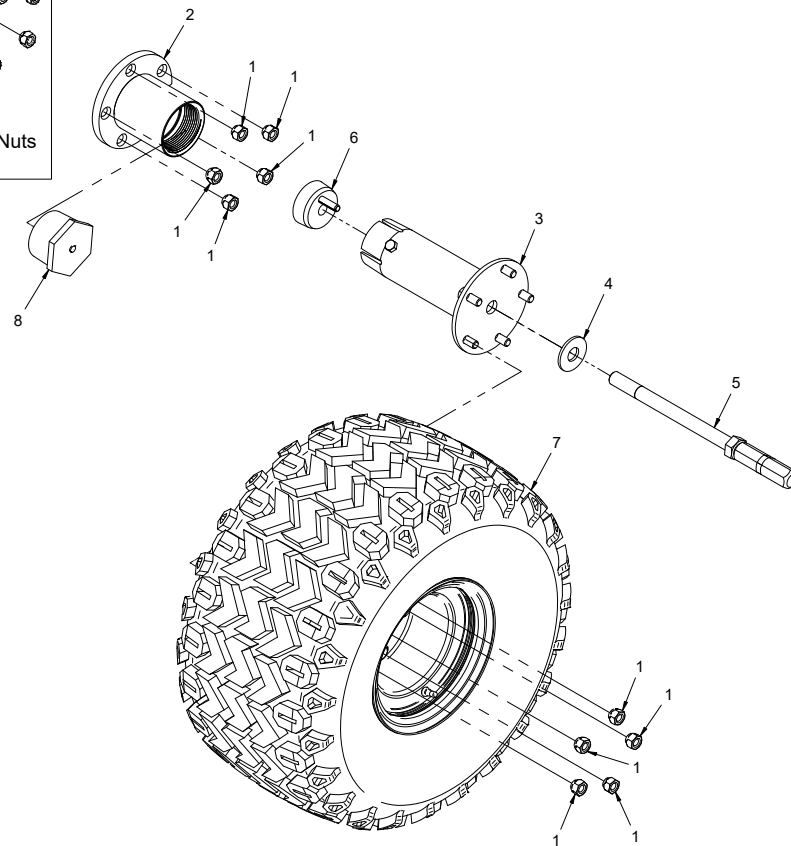
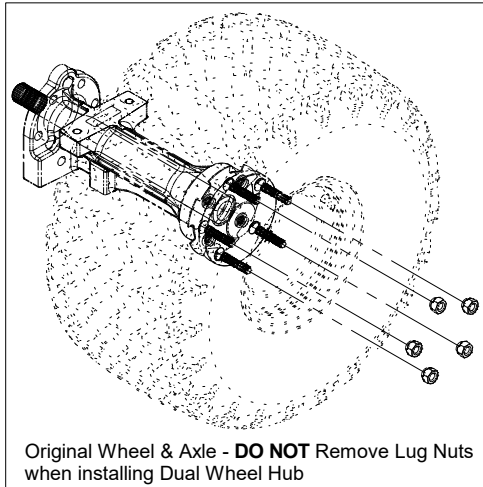
## ILLUSTRATED DRAWING

### Dual Wheels

Field Trax Dual Wheel Kit - # 70.4067

Turf Master Dual Wheel Kit - # 70.4068

Bar Tire Dual Wheel Kit - # 70.4069



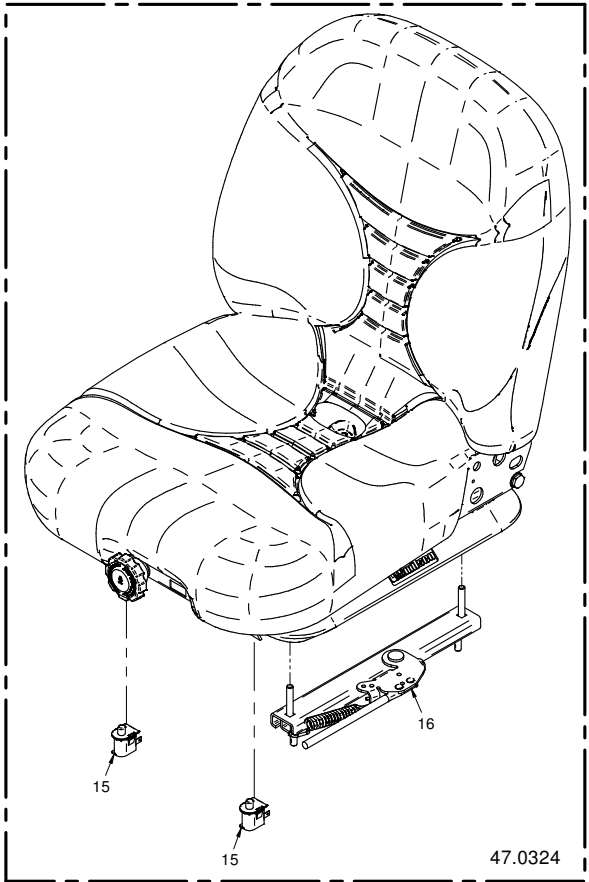
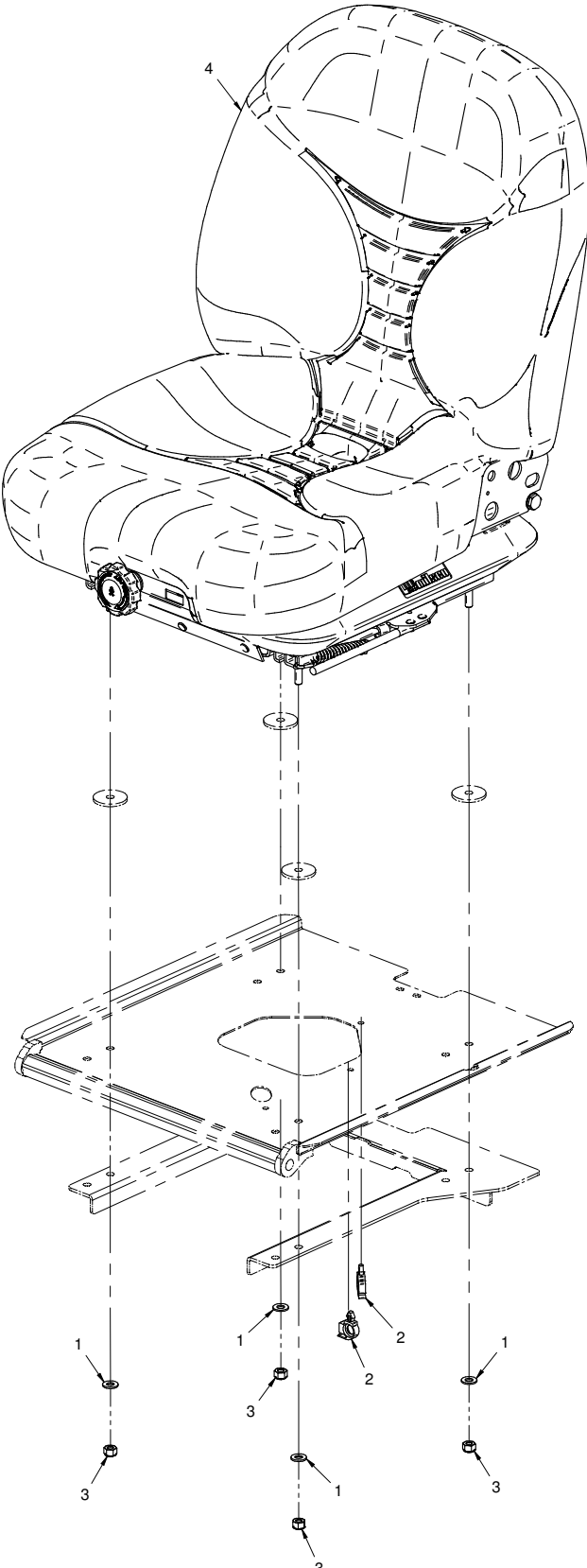
# OPTIONS

## Dual Wheels

| REF. | PART NO.  | DESCRIPTION                                     | QTY. |
|------|-----------|-------------------------------------------------|------|
| 1    | 99.E0044  | .NUT, LUG 7/16-20 SAE                           | 40   |
| 2    | 50.0190   | .HUB, DUAL WHEEL                                | 4    |
| 3    | 50.0061   | .EXTENSION, DUAL WHEEL KT                       | 4    |
| 4    | 94.12     | .WASHER, FLAT 3/4 USS                           | 4    |
| 5    | 64.0672   | .BOLT, 3/4" DRAWBOLT DUALS                      | 4    |
| 6    | 50.0063   | .CONE, 3/4 DRAWCONE DUALS                       | 4    |
| 7    | 53.0077   | .WHEEL, ASM 22 X 12 X 8 X 5B                    | 4    |
| 7    | 53.0101-L | .WHEEL, ASM 21 X 11 X 8 X 5B BAR                | 2    |
| 7    | 53.0101-R | .WHEEL, ASM 21 X 11 X 8 X 5B BAR                | 2    |
| 7    | 53.0137   | .WHEEL, ASM 22 X 11 X 10 X 5B TURF              | 4    |
| 8    | 05.0093   | .PLUG, 2-1/2 NPT M, WHT PLASTIC                 | 4    |
| 20   | 53.0090   | .RIM, 8 X 8.5, 5 ON 4.5 BC                      | 1    |
| 21   | 53.0089   | .TIRE, FIELD 22 X 12 X 8-NO RIM                 | 1    |
| 22   | 53.0139   | .VALVE STEM                                     | 2    |
| 23   | 00.0348   | .DECAL, WARNING HUB SIDE (Serial # 01001-14497) | 1    |
| 23   | 00.0645   | .DECAL, HUB SIDE (Serial # 14498-)              | 1    |
| 25   | 53.0090   | .RIM, 8 X 8.5, 5 ON 4.5 BC                      | 1    |
| 26   | 53.0114   | .TIRE, BAR 21X11X8 NO RIM                       | 1    |
| 27   | 53.0139   | .VALVE STEM                                     | 2    |
| 28   | 00.0348   | .DECAL, WARNING HUB SIDE (Serial # 01001-14497) | 1    |
| 28   | 00.0645   | .DECAL, HUB SIDE (Serial # 14498-)              | 1    |
| 30   | 53.0090   | .RIM, 8 X 8.5, 5 ON 4.5 BC                      | 1    |
| 31   | 53.0114   | .TIRE, BAR 21X11X8 NO RIM                       | 1    |
| 32   | 53.0139   | .VALVE STEM                                     | 2    |
| 33   | 00.0348   | .DECAL, WARNING HUB SIDE (Serial # 01001-14497) | 1    |
| 33   | 00.0645   | .DECAL, HUB SIDE (Serial # 14498-)              | 1    |
| 35   | 53.0138   | .RIM, 10 X 7 - 5 ON 4.5 BC                      | 1    |
| 36   | 53.0112   | .TIRE, TURFMASTR 22X11X10 NO RIM                | 1    |
| 37   | 53.0139   | .VALVE STEM                                     | 2    |
| 38   | 00.0348   | .DECAL, WARNING HUB SIDE (Serial # 01001-14497) | 1    |
| 38   | 00.0645   | .DECAL, HUB SIDE (Serial # 14498-)              | 1    |
| 40   | 53.0142   | .TUBE, INNER 22 X 12 X 8                        | 1    |

# OPTIONS

## ILLUSTRATED DRAWING 70.4111 Suspension Seat Kit



47.0324

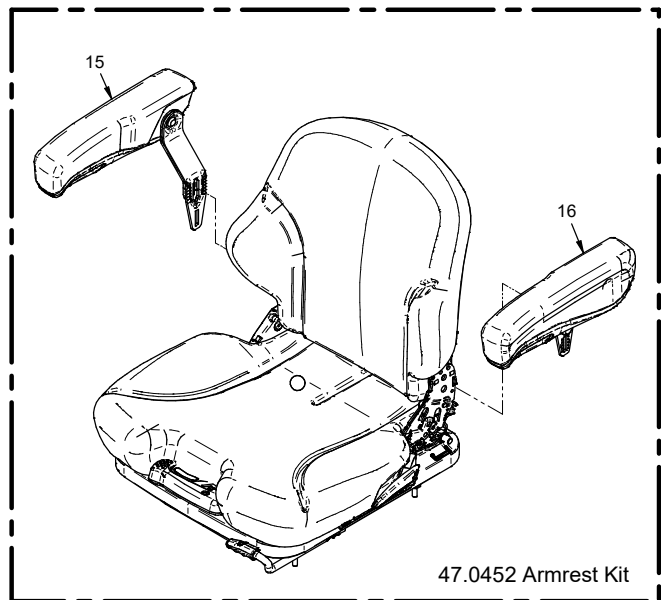
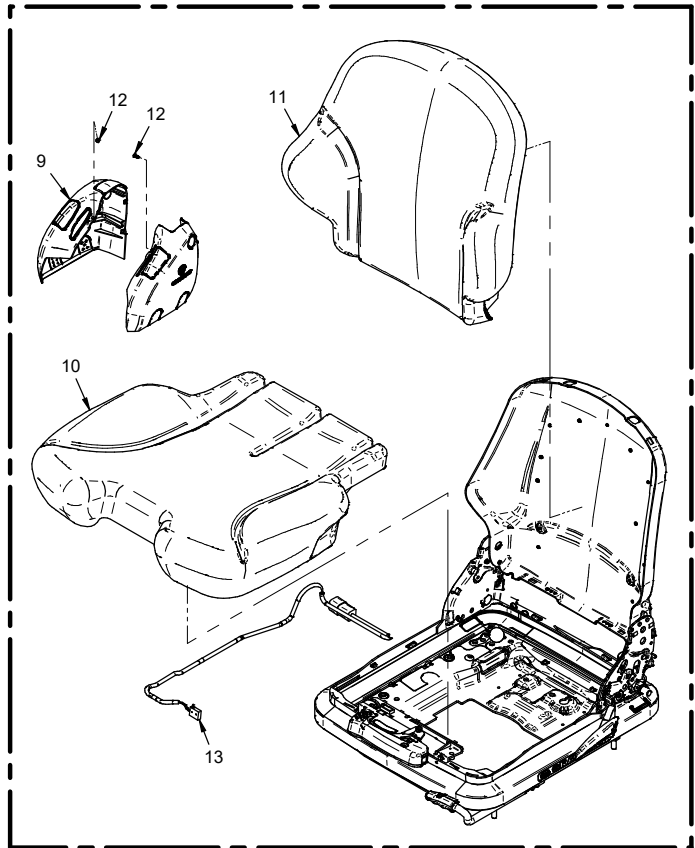
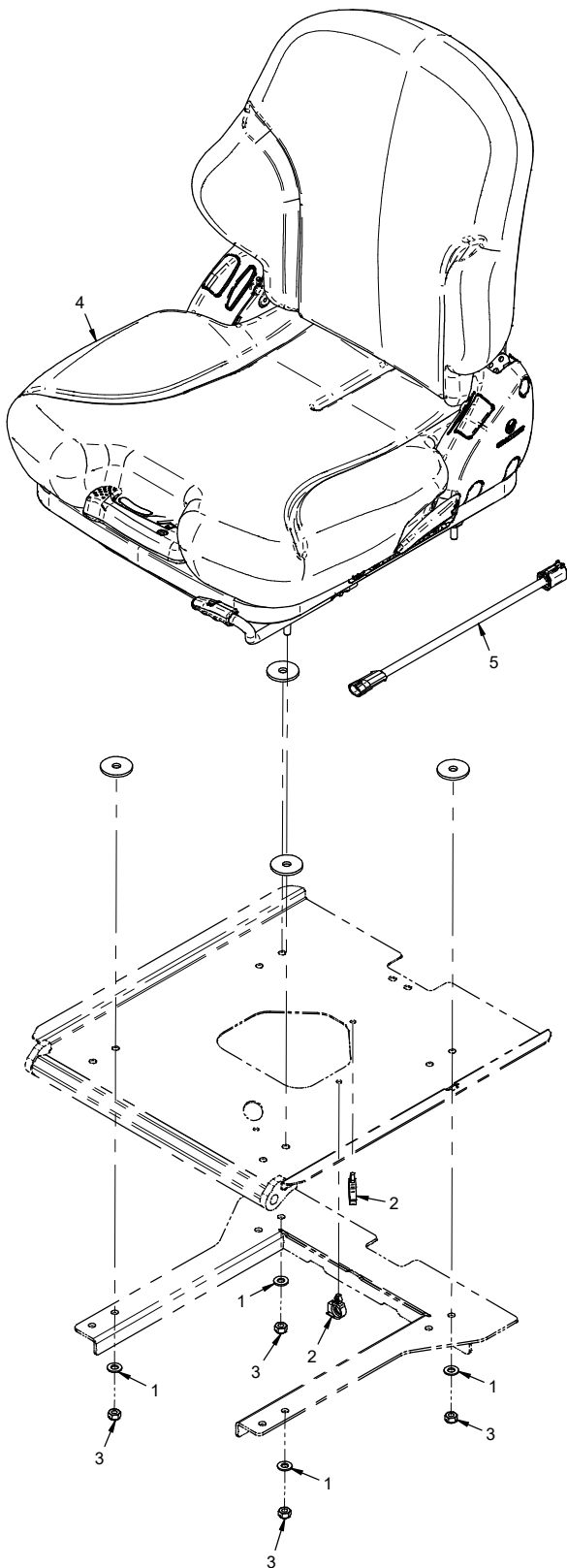
# OPTIONS

## 70.4111 Suspension Seat Kit

| REF. | PART NO.  | DESCRIPTION                            | QTY. |
|------|-----------|----------------------------------------|------|
| 1    | 95.05     | .WASHER, FLAT 5/16 SAE                 | 4    |
| 2    | 30.0135   | .CLAMP, LOOM 3/8 ROSEBUD MOUNT         | 2    |
| 3    | 99.A05N   | .LOCKNUT, NYLON 5/16-18 USS            | 4    |
| 4    | 47.0324   | .SEAT, SUSPENSION                      | 1    |
| 15   | 31.0062   | .SWITCH, SEAT WITH RUBBER BOOT         | 2    |
| 16   | 57.0324-1 | .SEAT SLIDE, LEFT W/ ADJUSTMENT HANDLE | 1    |

# OPTIONS

## ILLUSTRATED DRAWING 70.4154 Suspension Seat Kit



47.0452 Armrest Kit

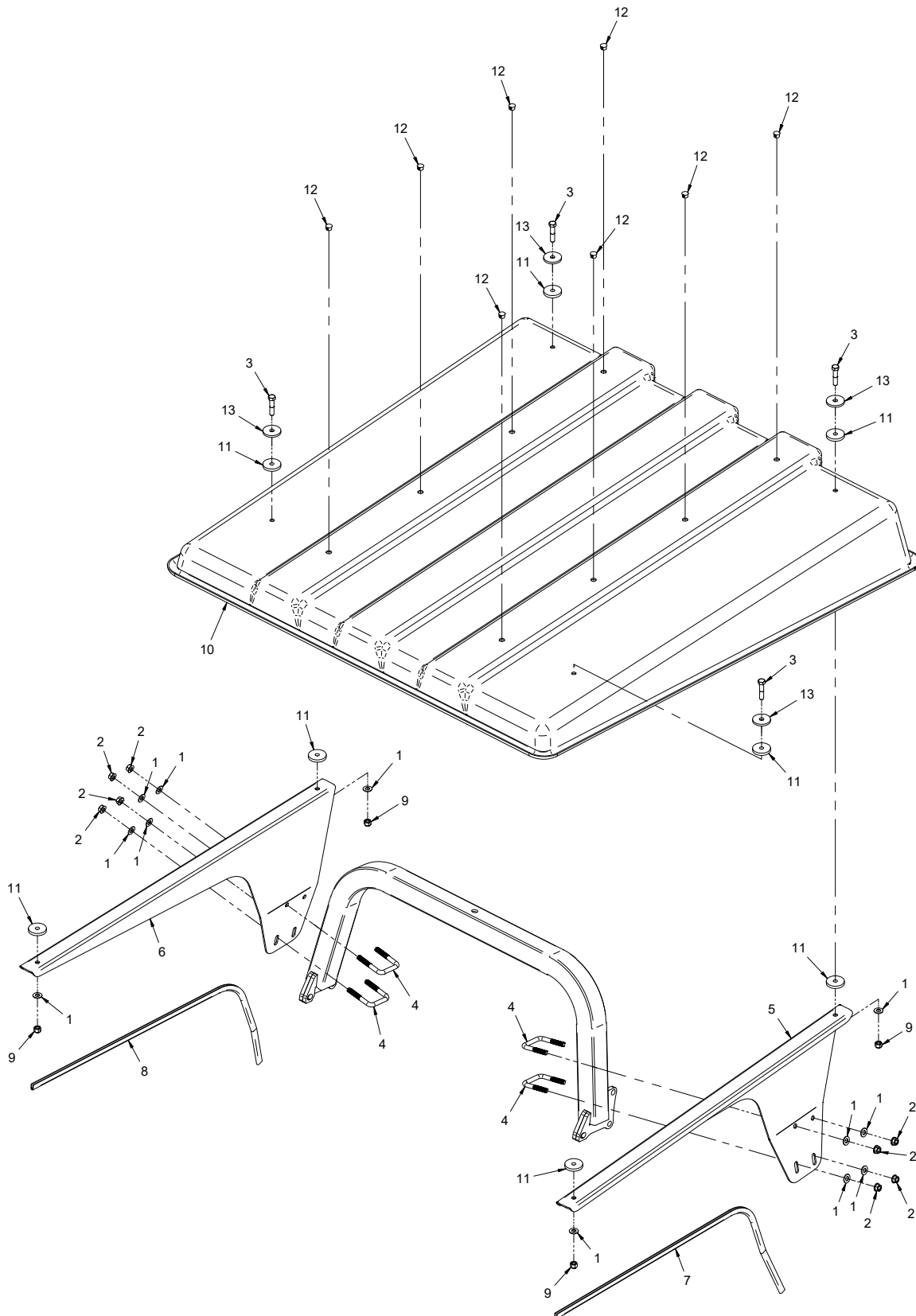
# OPTIONS

## 70.4154 Suspension Seat Kit

| REF. | PART NO.  | DESCRIPTION                          | QTY. |
|------|-----------|--------------------------------------|------|
| 1    | 95.05     | .WASHER, FLAT 5/16 SAE               | 4    |
| 2    | 30.0135   | .CLAMP, LOOM 3/8 ROSEBUD MOUNT       | 2    |
| 3    | 99.M0068  | .NUT, M8 X 1.25 NYLON LOCK           | 4    |
| 4    | 70.4154   | .KIT, SUSPENSION SEAT                | 1    |
| 5    | 32.0212   | .HARNESS, WIRE GRAMMER SEAT          | 1    |
| 9    | 47.0482   | .COVER, LEFT & RIGHT SIDE (SET)      | 1    |
| 10   | 47.0467   | .CUSHION, SEAT                       | 1    |
| 11   | 47.0468   | .CUSHION, BACKREST                   | 1    |
| 12   | 04.0049   | .RIVET, SIDE COVERS FOR GRAMMER SEAT | 2    |
| 13   | 31.0075   | .SWITCH, SEAT                        | 1    |
| 15   | 47.0452-R | .ARMREST, RIGHT - SUSPENSION SEAT    | 1    |
| 16   | 47.0452-L | .ARMREST, LEFT - SUSPENSION SEAT     | 1    |

# OPTIONS

## ILLUSTRATED DRAWING 70.0098 Canopy Kit





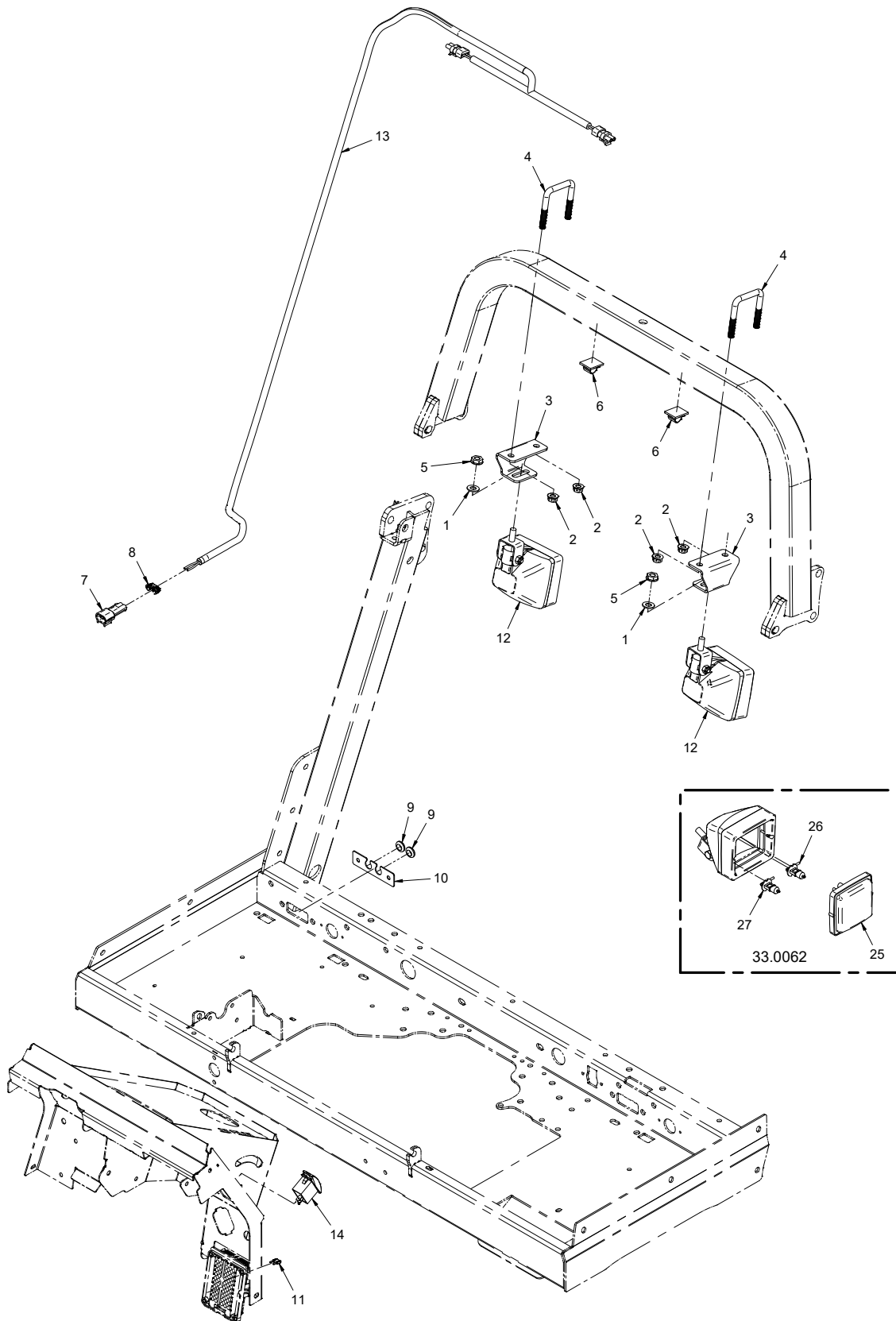
# OPTIONS

## 70.0098 Canopy Kit

| REF. | PART NO.     | DESCRIPTION                         | QTY. |
|------|--------------|-------------------------------------|------|
| 1    | 95.06        | .WASHER, FLAT 3/8 SAE               | 12   |
| 2    | 99.SF06      | .NUT, SRF 3/8-16 USS.               | 8    |
| 3    | 90.0614      | .BOLT, 3/8-16 USS X 1-3/4.          | 4    |
| 4    | 11.0053      | .U-BOLT, 3/8-16 2-1/16" ID SQ BEND. | 4    |
| 5    | 62.0915      | .FRAME, CANOPY LEFT SIDE            | 1    |
| 6    | 62.0914      | .FRAME, CANOPY RIGHT SIDE           | 1    |
| 7    | 06.0050-41IN | .TRIM, TRIM LOC 1/2 X 3/16 X 41"    | 1    |
| 8    | 06.0050-41IN | .TRIM, TRIM LOC 1/2 X 3/16 X 41"    | 1    |
| 9    | 99.A06N      | .LOCKNUT, NYLON 3/8-16 USS.         | 4    |
| 10   | 47.0186      | .CANOPY, SHELL ONLY, WHITE          | 1    |
| 11   | 05.0085      | .WASHER, NEOPRENE                   | 8    |
| 12   | 05.0086      | .PLUG, 1/2" HOLE, NYLON-WHITE       | 8    |
| 13   | 99.B0076     | .WASHER, .185 X 13/32 ID X 1-5/8.   | 4    |

# OPTIONS

## ILLUSTRATED DRAWING 70.4113 Work Light Kit



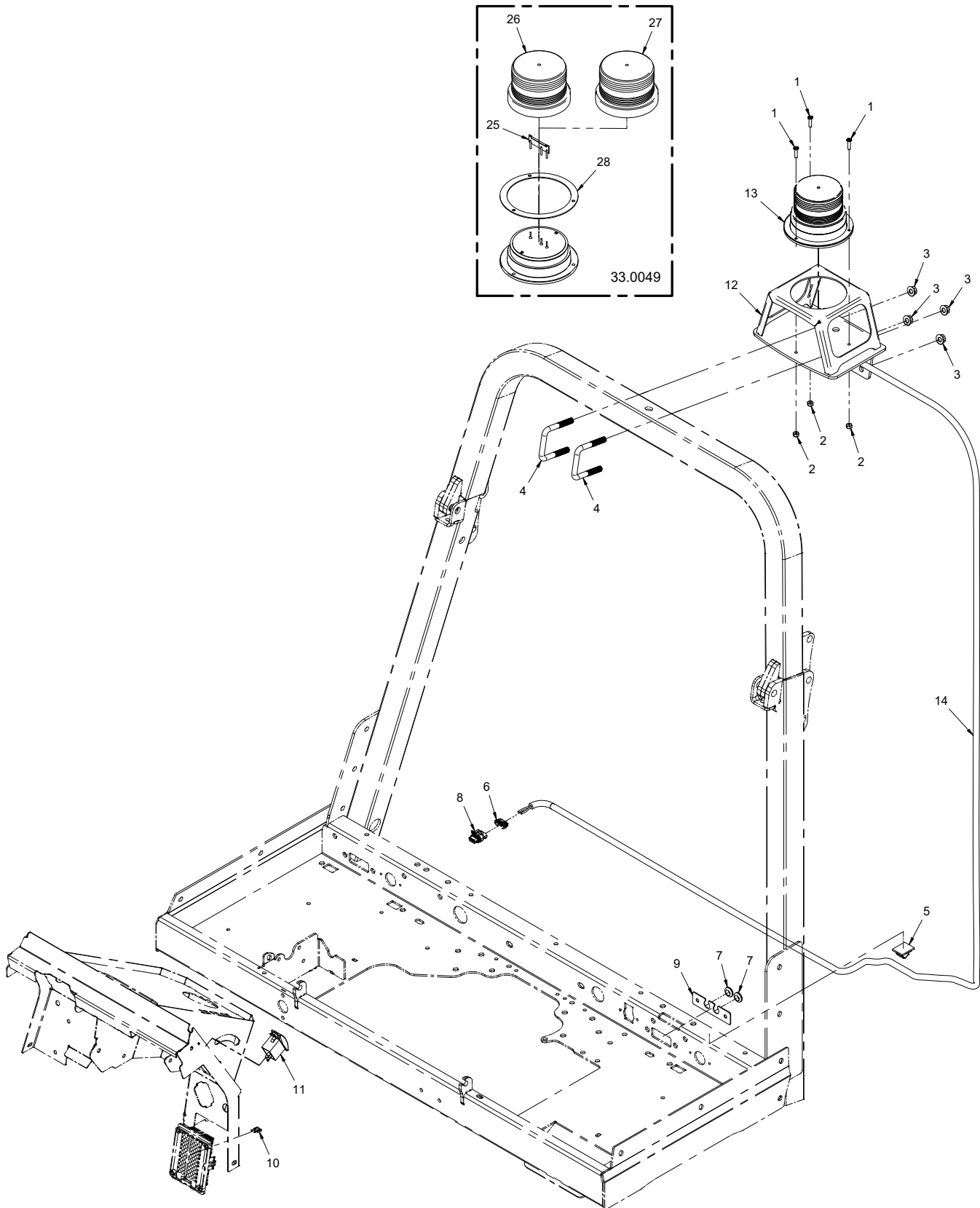
# OPTIONS

## 70.4113 Work Light Kit

| REF. | PART NO. | DESCRIPTION                                | QTY. |
|------|----------|--------------------------------------------|------|
| 1    | 95.06    | .WASHER, FLAT 3/8 SAE                      | 2    |
| 2    | 99.E0082 | .NUT, LOCKING FLANGE 3/8-16                | 4    |
| 3    | 64.1706  | .BRACKET, WORKLIGHT MOUNT KN               | 2    |
| 4    | 11.0053  | .U-BOLT, 3/8-16 2-1/16" ID SQ BEND         | 2    |
| 5    | 99.M0021 | .NUT, SMF M10 X 1.5                        | 2    |
| 6    | 30.0217  | .CLAMP, WIRE MT ADH. 1/2 GRAY              | 2    |
| 7    | 30.0322  | .CONNECTOR, MP280 MALE BODY                | 1    |
| 8    | 30.0326  | .CLIP, MP280 CONNECTOR                     | 1    |
| 9    | 05.0136  | .GROMMET, 7/16ID, 3/4OD, 1/4THK            | 2    |
| 10   | 60.1175  | .COVER, OPT. LIGHT KIT ACCESS              | 1    |
| 11   | 30.0334  | .FUSE, 15 AMP MINI BLUE                    | 1    |
| 12   | 33.0062  | .LIGHT, WORK 3 X 3                         | 2    |
| 13   | 32.0116  | .HARNESS, WIRE WORK LIGHT                  | 1    |
| 14   | 31.0053  | .SWITCH, ROCKER ON/OFF                     | 1    |
| 25   | 33.0054  | .OPTICAL UNIT, LENS/REFLECTOR              | 1    |
| 26   | 33.0055  | .BULB, LIGHT (ONLY) FOR 55 WATT            | 1    |
| 27   | 33.0056  | .BULB, LIGHT (ONLY) FOR 35 WATT (Optional) | 1    |

# OPTIONS

## ILLUSTRATED DRAWING 70.4114 Strobe Light Kit



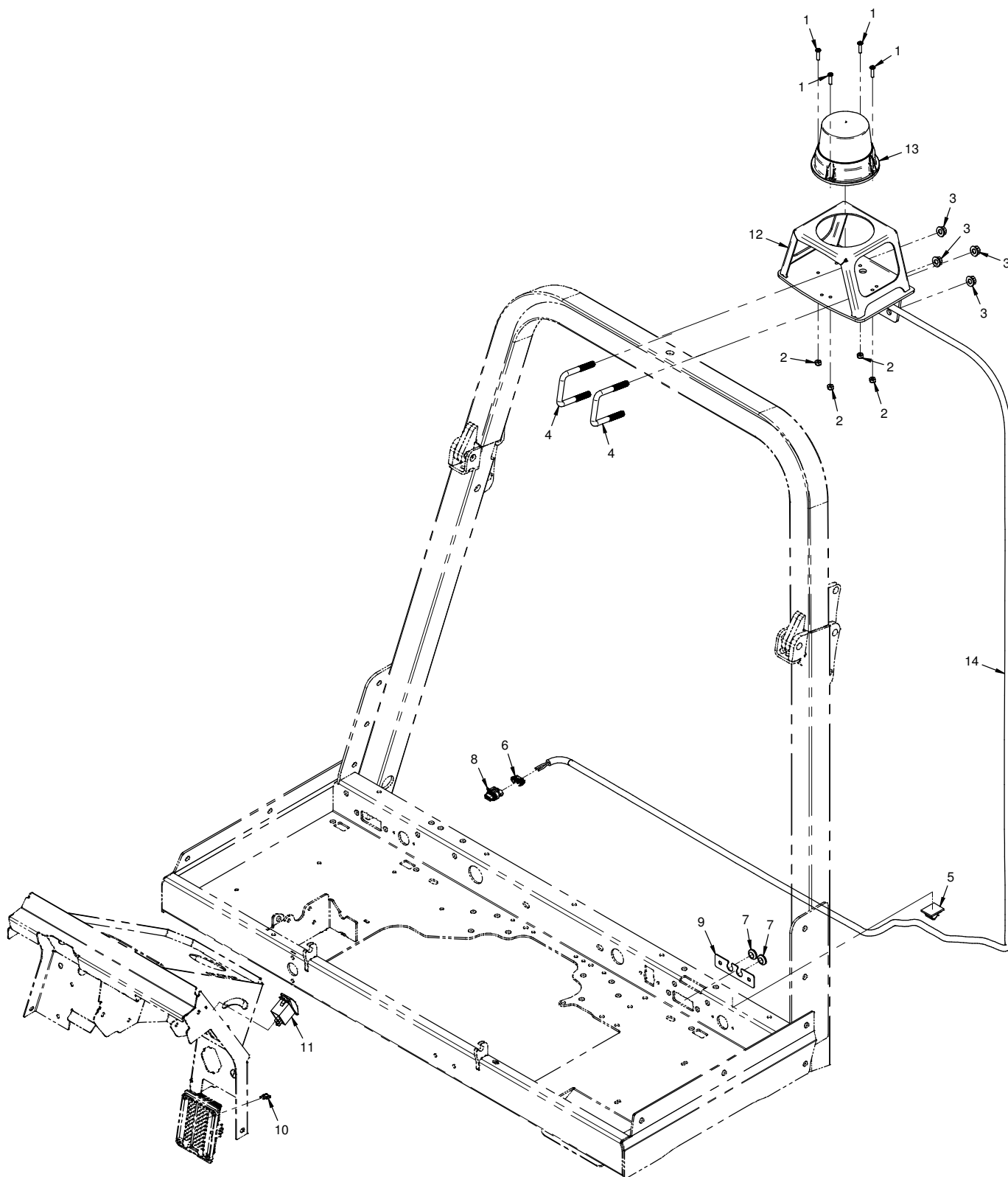
# OPTIONS

## 70.4114 Strobe Light Kit

| REF. | PART NO.  | DESCRIPTION                            | QTY. |
|------|-----------|----------------------------------------|------|
| 1    | 99.K0047  | .MACHINE SCREW, #10-32 X 3/4           | 3    |
| 2    | 99.A1032N | .LOCKNUT, NYLON 10-32 STAINLESS        | 3    |
| 3    | 99.E0082  | .NUT, LOCKING FLANGE 3/8-16            | 4    |
| 4    | 11.0053   | .U-BOLT, 3/8-16 2-1/16" ID SQ BEND     | 2    |
| 5    | 30.0217   | .CLAMP, WIRE MT ADH. 1/2 GRAY          | 1    |
| 6    | 30.0326   | .CLIP, MP280 CONNECTOR                 | 1    |
| 7    | 05.0136   | .GROMMET, 7/16ID, 3/4OD, 1/4THK        | 2    |
| 8    | 30.0323   | .CONNECTOR, MP280 FEMALE BODY          | 1    |
| 9    | 60.1175   | .COVER, OPT. LIGHT KIT ACCESS          | 1    |
| 10   | 30.0334   | .FUSE, 15 AMP MINI BLUE                | 1    |
| 11   | 31.0053   | .SWITCH, ROCKER ON/OFF                 | 1    |
| 12   | 62.1383   | .FRAME, LIGHT BAR                      | 1    |
| 13   | 33.0049   | .LIGHT, STROBE AMBER                   | 1    |
| 14   | 32.0117   | .HARNESS, WIRE STROBE LIGHT            | 1    |
| 25   | 33.0052   | .BULB, STROBE LIGHT FOR 33.0049        | 1    |
| 26   | 33.0050   | .LENS, STROBE - AMBER 3-1/2"           | 1    |
| 27   | 33.0051   | .LENS, STROBE - BLUE 3-1/2" (Optional) | 1    |
| 28   | 33.0049-1 | .RING, CLAMP                           | 1    |

# OPTIONS

## ILLUSTRATED DRAWING 70.4155 Strobe Light Kit



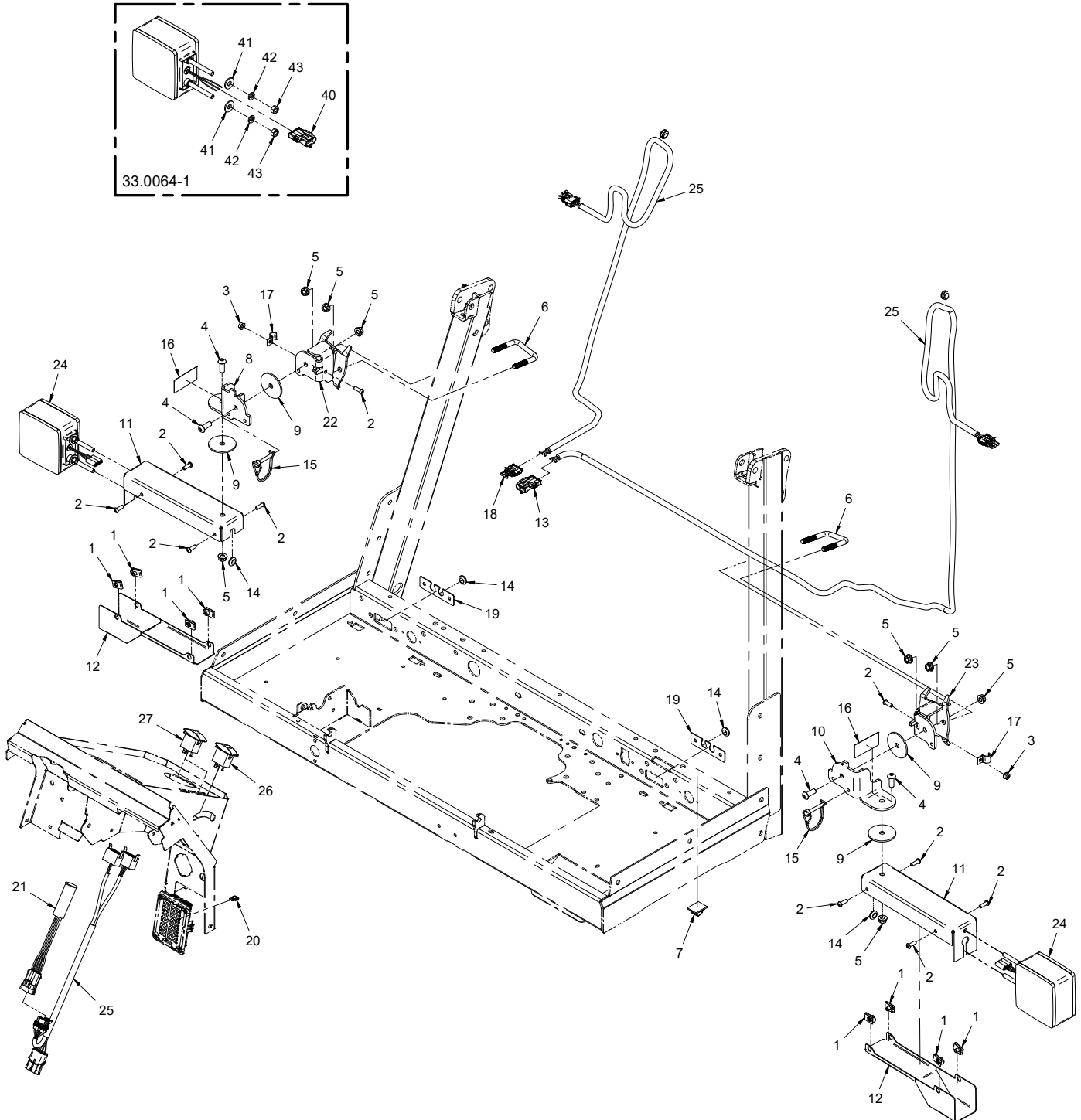
# OPTIONS

## 70.4155 Strobe Light Kit

| REF. | PART NO.  | DESCRIPTION                       | QTY. |
|------|-----------|-----------------------------------|------|
| 1    | 99.K0047  | MACHINE SCREW, #10-32 X 3/4       | 4    |
| 2    | 99.A1032N | LOCKNUT, NYLON 10-32 STAINLESS    | 4    |
| 3    | 99.E0082  | NUT, LOCKING FLANGE 3/8-16        | 4    |
| 4    | 11.0053   | U-BOLT, 3/8-16 2-1/16" ID SQ BEND | 2    |
| 5    | 30.0217   | CLAMP, WIRE MT ADH. 1/2 GRAY      | 1    |
| 6    | 30.0326   | CLIP, MP280 CONNECTOR             | 1    |
| 7    | 05.0136   | GROMMET, 7/16ID, 3/4OD, 1/4THK    | 2    |
| 8    | 30.0323   | CONNECTOR, MP280 FEMALE BODY      | 1    |
| 9    | 60.1175   | COVER, OPT. LIGHT KIT ACCESS      | 1    |
| 10   | 30.0334   | FUSE, 15 AMP MINI BLUE            | 1    |
| 11   | 31.0053   | SWITCH, ROCKER ON/OFF             | 1    |
| 12   | 62.1383   | FRAME, STROBE LIGHT               | 1    |
| 13   | 33.0073   | LIGHT, STROBE AMBER               | 1    |
| 14   | 32.0117   | HARNESS, WIRE STROBE LIGHT        | 1    |

# OPTIONS

## ILLUSTRATED DRAWING 70.4119 Directional / Hazard Light Kit





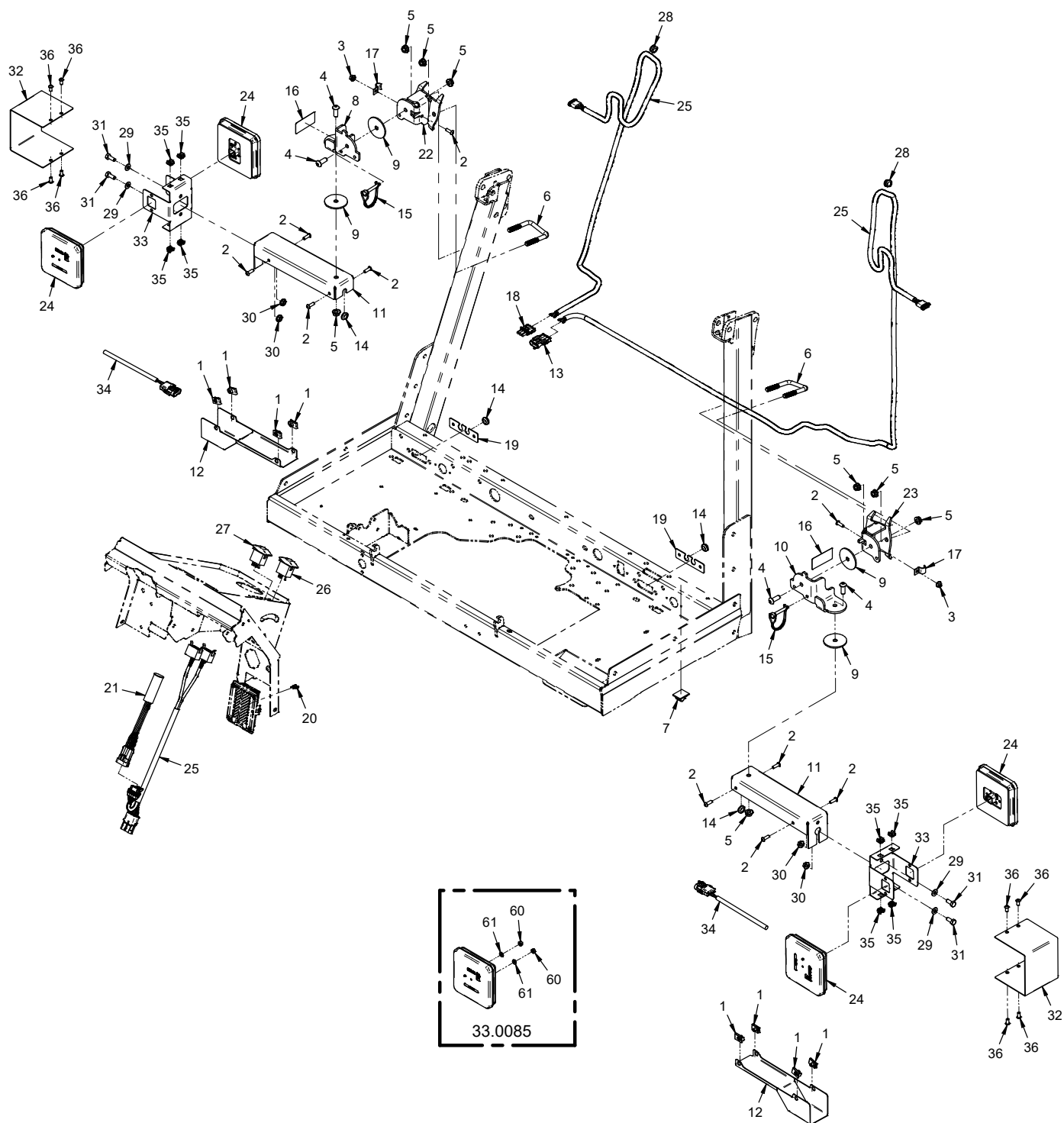
# OPTIONS

## 70.4119 Directional / Hazard Light Kit

| REF. | PART NO.  | DESCRIPTION                                                              | QTY. |
|------|-----------|--------------------------------------------------------------------------|------|
| 1    | 99.E0046  | .NUT, "U" 1/4-20 EXTRUDED                                                | 8    |
| 2    | 99.0406   | .BOLT, 1/4-20 X 3/4 BSCS                                                 | 10   |
| 3    | 99.E0101  | .NUT, LOCKING FLANGE 1/4-20                                              | 2    |
| 4    | 99.0608   | .BOLT, 3/8-16 X 1 BSCS                                                   | 4    |
| 5    | 99.E0082  | .NUT, LOCKING FLANGE 3/8-16                                              | 8    |
| 6    | 11.0053   | .U-BOLT, 3/8-16 2-1/16" ID SQ BEND                                       | 2    |
| 7    | 30.0217   | .CLAMP, WIRE MT ADH. 1/2 GRAY                                            | 1    |
| 8    | 64.1713   | .BRACKET, DIRECTIONAL PIVOT RH                                           | 1    |
| 9    | 05.0002   | .WASHER, FRIC. 2-1/4 X 13/32                                             | 4    |
| 10   | 64.1714   | .BRACKET, DIRECTIONAL PIVOT LH                                           | 1    |
| 11   | 40.0388   | .ARM, DIRECTIONAL LIGHT                                                  | 2    |
| 12   | 60.1176   | .COVER, DIRECTONAL SIGNAL ARM                                            | 2    |
| 13   | 30.0423   | .CONNECTOR, WPAK 3 POS MALE                                              | 1    |
| 14   | 05.0136   | .GROMMET, 7/16ID, 3/4OD, 1/4THK                                          | 4    |
| 15   | 03.0009   | .PIN, SAFETY SNAP 1/4 X 1-3/8                                            | 2    |
| 16   | 00.0218   | .DECAL, WARNING PINCH POINT                                              | 2    |
| 17   | 11.0072   | .CLAMP, 1/2 LOOP VINYL                                                   | 2    |
| 18   | 30.0422   | .CONNECTOR, WPAK 3 POS FEMALE                                            | 1    |
| 19   | 60.1175   | .COVER, OPT. LIGHT KIT ACCESS                                            | 2    |
| 20   | 30.0333   | .FUSE, 10 AMP MINI RED                                                   | 1    |
| 21   | 35.0127   | .MODULE, DIRECTIONAL LIGHT                                               | 1    |
| 22   | 64.1715   | .BRACKET, ROLLBAR MOUNT RH                                               | 1    |
| 23   | 64.1716   | .BRACKET, ROLLBAR MOUNT LH                                               | 1    |
| 24   | 33.0064-1 | .LIGHT, LED DOUBLE FACE - AMBER                                          | 2    |
| 25   | 32.0118   | .HARNESS, WIRE DIRECTIONAL (Includes Splitter & Front Switch Connectors) | 1    |
| 26   | 31.0055   | .SWITCH, ROCKER ON/OFF/ON                                                | 1    |
| 27   | 31.0053   | .SWITCH, ROCKER ON/OFF                                                   | 1    |
| 40   | 30.0423   | .CONNECTOR, WPAK 3 POS MALE                                              | 1    |
| 41   | 94.05     | .WASHER, FLAT 5/16 USS                                                   | 2    |
| 42   | 96.05     | .WASHER, LOCK 5/16                                                       | 2    |
| 43   | 92.05     | .NUT, 5/16-18 USS                                                        | 2    |

# OPTIONS

## ILLUSTRATED DRAWING 70.4156 Directional / Hazard ECE Light Kit



# OPTIONS

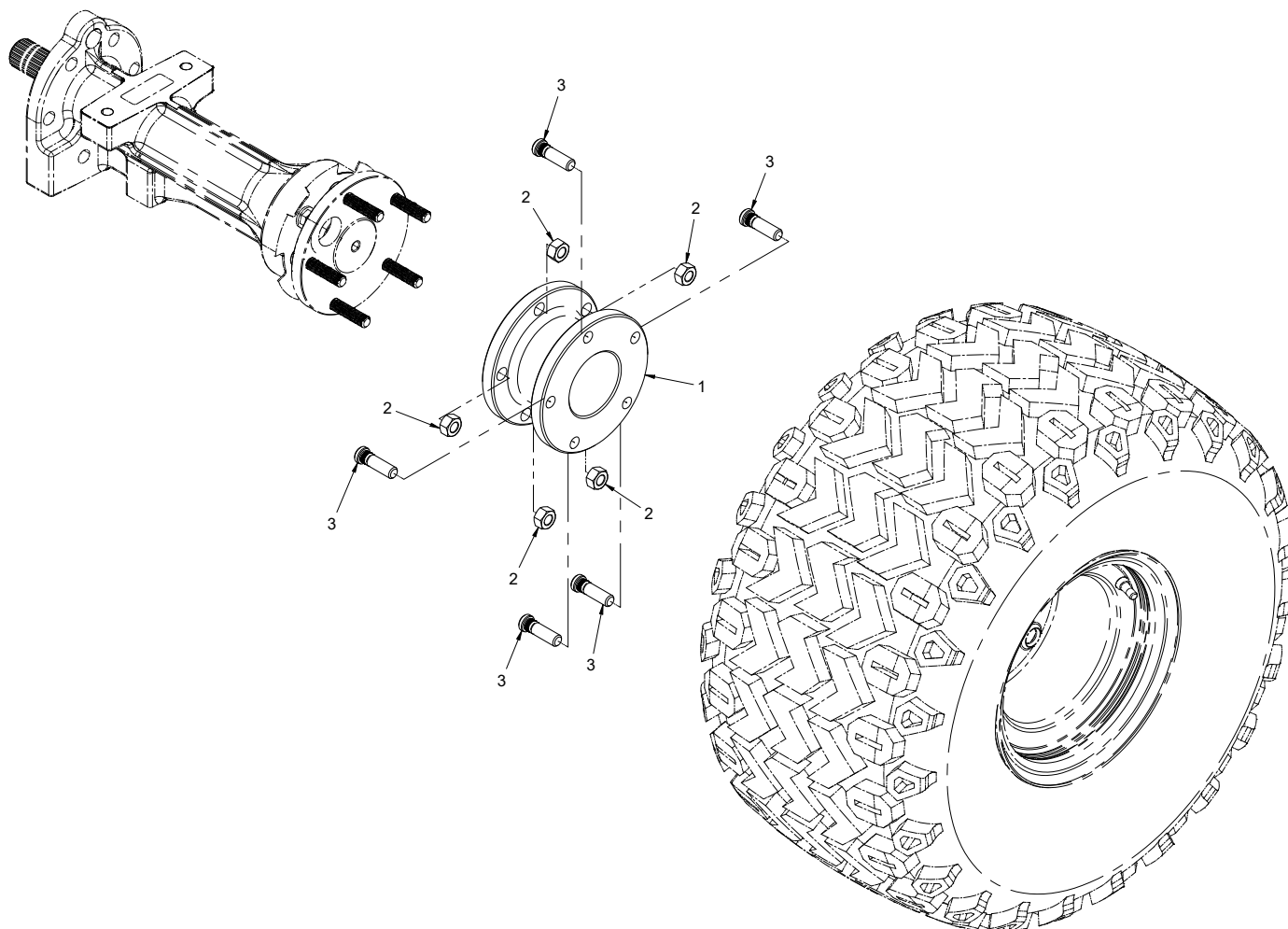
## 70.4156 Directional / Hazard ECE Light Kit

| REF. | PART NO.    | DESCRIPTION                                                             | QTY. |
|------|-------------|-------------------------------------------------------------------------|------|
| 1    | 99.E0046    | .NUT, "U" 1/4-20 EXTRUDED                                               | 8    |
| 2    | 99.0406     | .BOLT, 1/4-20 X 3/4 BSCS                                                | 10   |
| 3    | 99.E0101    | .NUT, LOCKING FLANGE 1/4-20                                             | 2    |
| 4    | 99.SF0608-1 | .BOLT, SMF 3/8-16 X 1                                                   | 4    |
| 5    | 99.E0082    | .NUT, LOCKING FLANGE 3/8-16                                             | 8    |
| 6    | 11.0053     | .U-BOLT, 3/8-16 2-1/16" ID SQ BEND                                      | 2    |
| 7    | 30.0217     | .CLAMP, WIRE MT ADH. 1/2 GRAY                                           | 1    |
| 8    | 64.1713     | .BRACKET, DIRECTIONAL PIVOT RH                                          | 1    |
| 9    | 05.0002     | .WASHER, FRIC. 2-1/4 X 13/32                                            | 4    |
| 10   | 64.1714     | .BRACKET, DIRECTIONAL PIVOT                                             | 1    |
| 11   | 40.0388     | .ARM, DIRECTIONAL LIGHT                                                 | 2    |
| 12   | 60.1176     | .COVER, DIRECTIONAL SIGNAL ARM                                          | 2    |
| 13   | 30.0423     | .CONNECTOR, WPAK 3 POS MALE                                             | 1    |
| 14   | 05.0136     | .GROMMET, 7/16ID, 3/4OD, 1/4THK                                         | 4    |
| 15   | 03.0009     | .PIN, SAFETY SNAP 1/4 X 1-3/8                                           | 2    |
| 16   | 00.0218     | .DECAL, WARNING PINCH POINT (Serial # 01001-14497)                      | 2    |
| 16   | 00.0364     | .DECAL, PINCH POINT HAZARD (Serial # 14498-)                            | 2    |
| 17   | 11.0072     | .CLAMP, 1/2 LOOP VINYL                                                  | 2    |
| 18   | 30.0422     | .CONNECTOR, WPAK 3 POS FEMALE                                           | 1    |
| 19   | 60.1175     | .COVER, OPT. LIGHT KIT ACCESS                                           | 2    |
| 20   | 30.0333     | .FUSE, 10 AMP MINI RED                                                  | 1    |
| 21   | 35.0161     | .MODULE, DIRECTIONAL/HAZARD LIGHT                                       | 1    |
| 22   | 64.1715     | .BRACKET, ROLLBAR MOUNT RH                                              | 1    |
| 23   | 64.1716     | .BRACKET, ROLLBAR MOUNT LH                                              | 1    |
| 24   | 33.0085     | .LIGHT, ASM LED SINGLE FACE - AMBER                                     | 4    |
| 25   | 32.0118     | .HARNES, WIRE DIRECTIONAL (Includes Splitter & Front Switch Connectors) | 1    |
| 26   | 31.0055     | .SWITCH, ROCKER ON/OFF/ON                                               | 1    |
| 27   | 31.0053     | .SWITCH, ROCKER ON/OFF                                                  | 1    |
| 28   | 05.0138     | .GROMMET, 7/16ID, 11/16OD, 3/8THK                                       | 2    |
| 29   | 95.05       | .WASHER, FLAT 5/16 SAE                                                  | 4    |
| 30   | 99.SF05     | .NUT, SRF 5/16-18 USS                                                   | 4    |
| 31   | 90.0506     | .BOLT, 5/16-18 USS X 3/4"                                               | 4    |
| 32   | 64.2015     | .COVER, SIGNAL LIGHT                                                    | 2    |
| 33   | 64.2016     | .BRACKET, SIGNAL LIGHT                                                  | 2    |
| 34   | 32.0217     | .HARNES, 4500 DIRECTIONAL/HAZARD ECE                                    | 2    |
| 35   | 99.E0145    | .NUT, CAGE 1/4-20 (.025-.063")                                          | 8    |
| 36   | 99.0404     | .BOLT, 1/4-20 X 1/2 BSCS                                                | 8    |
| 60   | 99.M0031    | .NUT, M6 X 1.00                                                         | 2    |
| 61   | 96.04       | .WASHER, LOCK 1/4                                                       | 2    |

# OPTIONS

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## ILLUSTRATED DRAWING 70.4098 Wheel Extension Kit



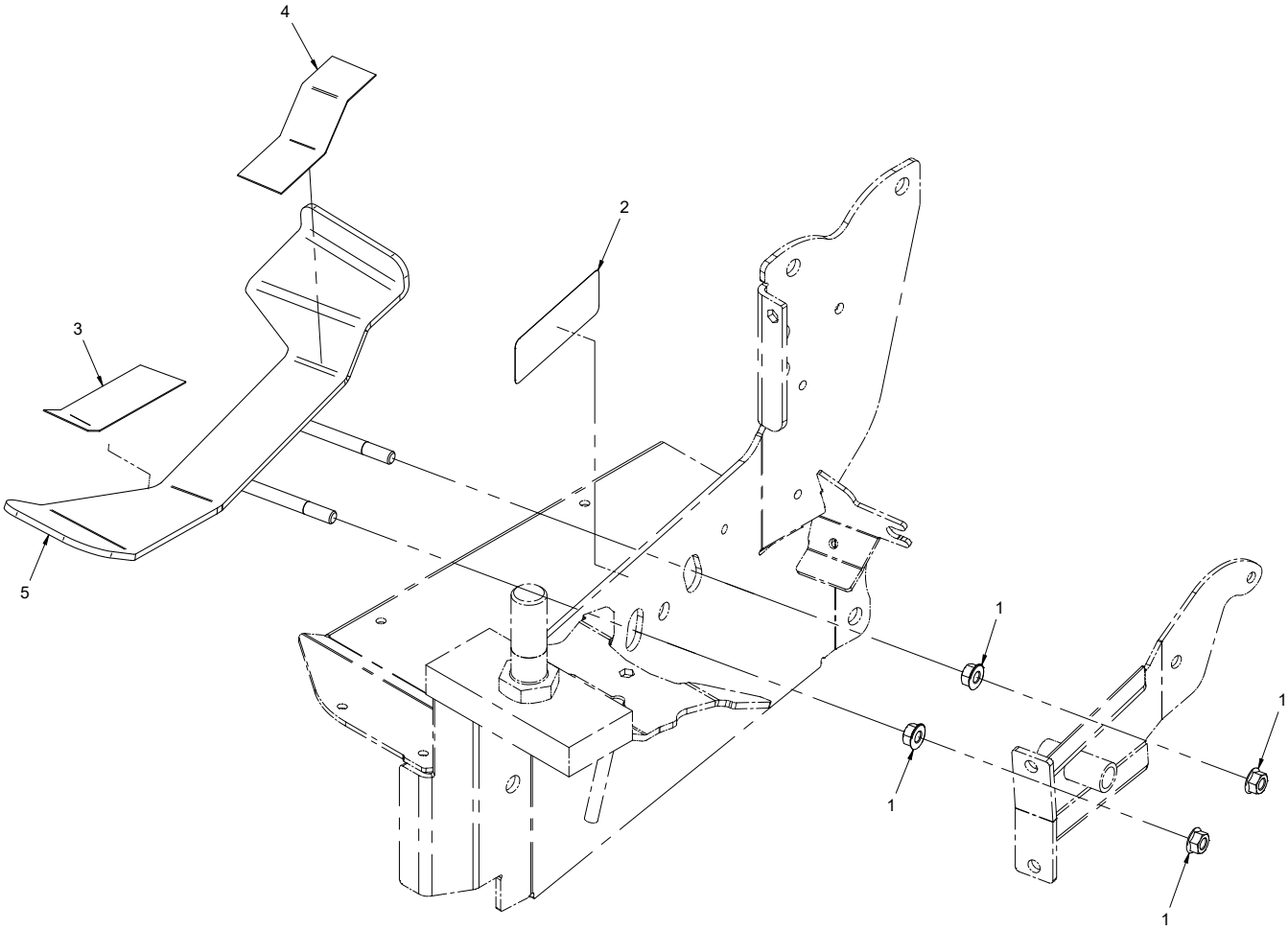
## OPTIONS

### 70.4098 Wheel Extension Kit

| REF. | PART NO. | DESCRIPTION                    | QTY. |
|------|----------|--------------------------------|------|
| 1    | 53.0144  | HUB, 3" WHEEL EXTENSION        | 4    |
| 2    | 93.07    | NUT, 7/16-20 SAE               | 20   |
| 3    | 99.K0120 | BOLT, 7/16-20 X 1-1/2 WHL STUD | 20   |

# OPTIONS

## ILLUSTRATED DRAWING 70.4107 Foot Control Kit



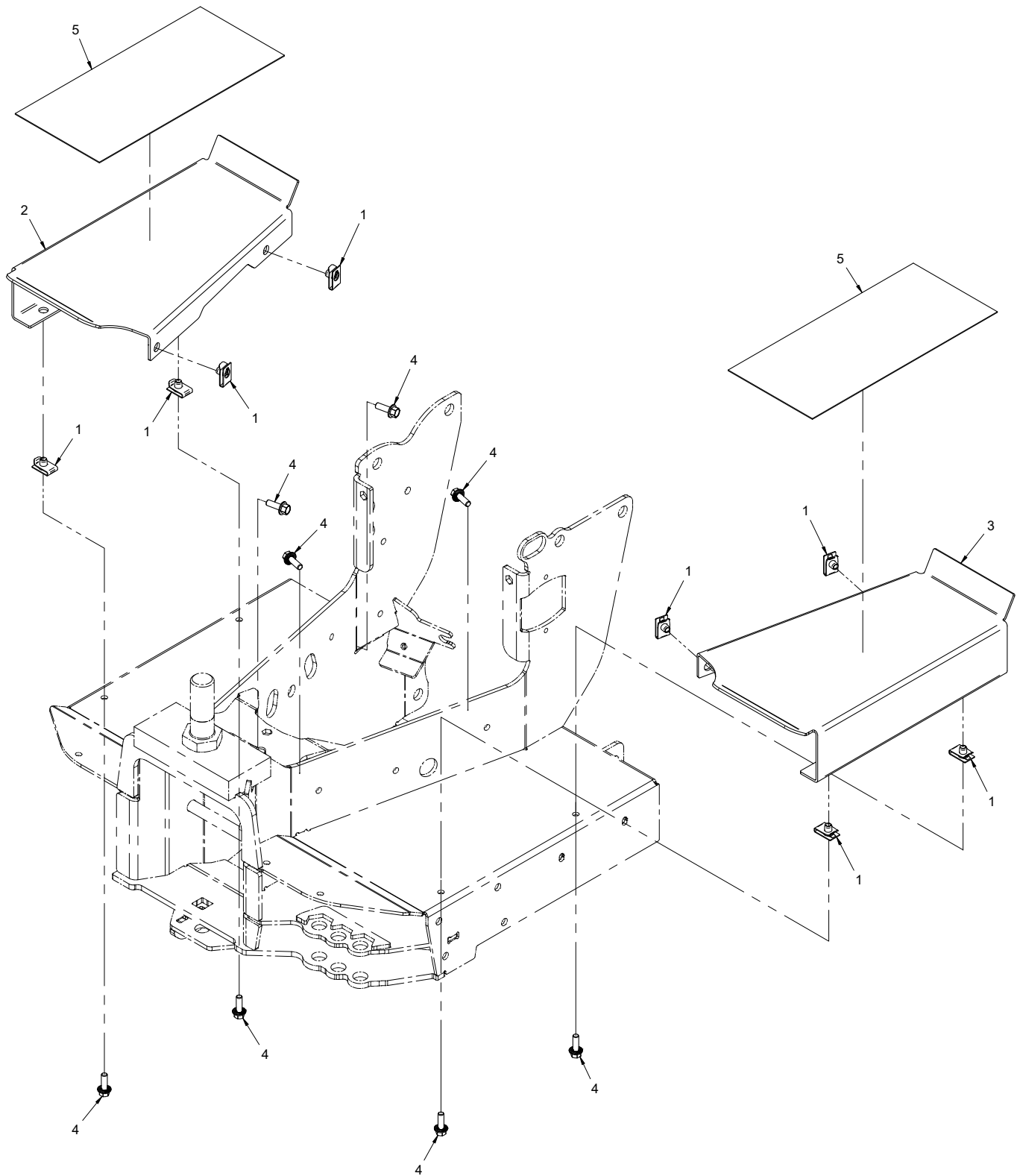
## OPTIONS

### 70.4107 Foot Control Kit

| REF. | PART NO.      | DESCRIPTION                          | QTY. |
|------|---------------|--------------------------------------|------|
| 1    | 99.SF06       | NUT, SRF 3/8-16 USS.                 | 4    |
| 2    | 00.0338       | DECAL, FOOT CONTROL                  | 1    |
| 3    | 56.0055-1.5IN | FLEX TREAD, 5" BLACK COARSE X 1-1/2" | 1    |
| 4    | 56.0055-1.5IN | FLEX TREAD, 5" BLACK COARSE X 1-1/2" | 1    |
| 5    | 62.1377       | PEDAL, FOOT KN.                      | 1    |

# OPTIONS

## ILLUSTRATED DRAWING 70.4108 Raised Platform Kit





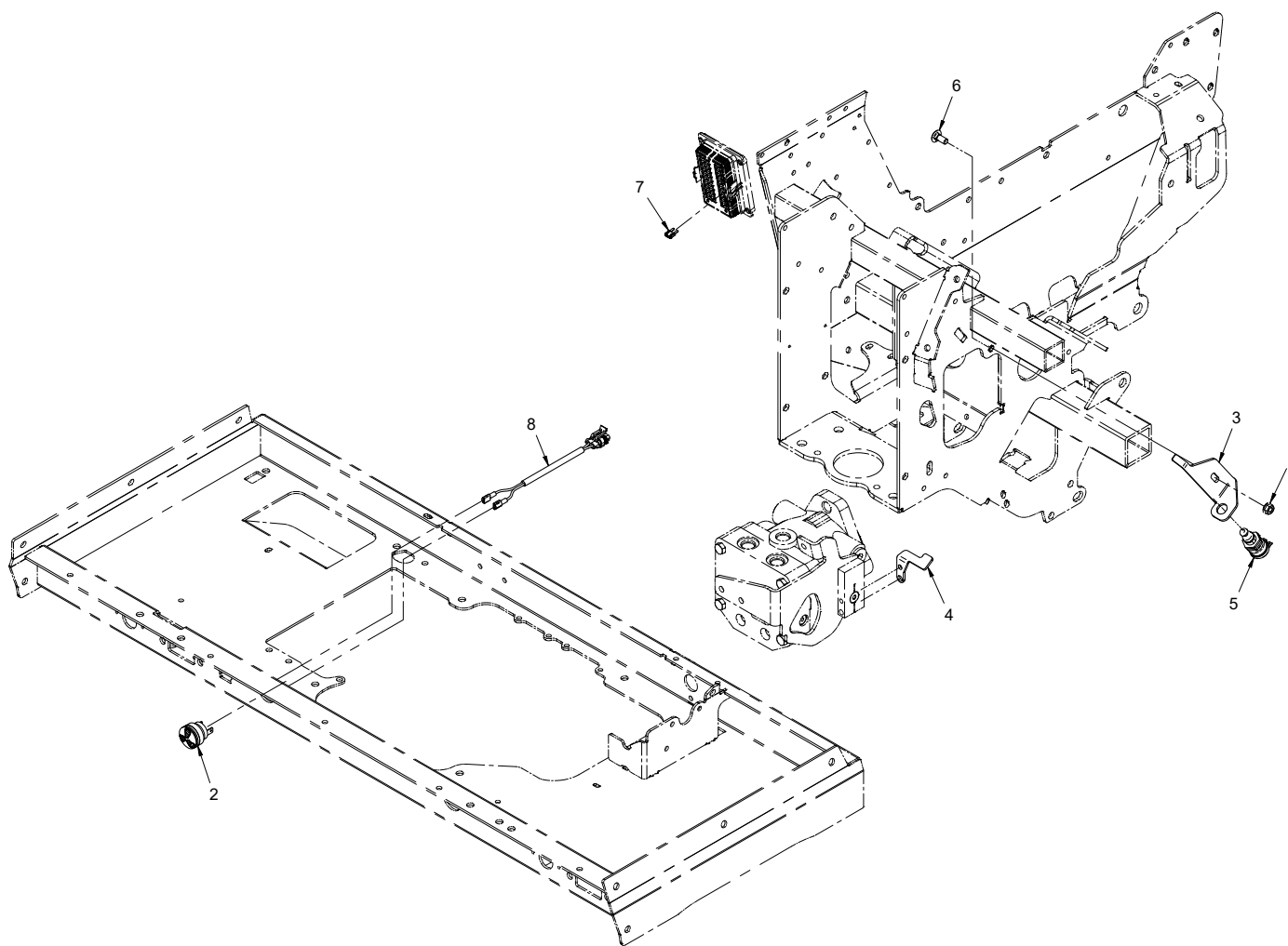
## OPTIONS

### 70.4108 Raised Platform Kit

| REF. | PART NO.     | DESCRIPTION                        | QTY. |
|------|--------------|------------------------------------|------|
| 1    | 99.E0046     | .NUT, "U" 1/4-20 EXTRUDED          | 8    |
| 2    | 62.1384      | .FRAME, RAISED PLATFORM RH         | 1    |
| 3    | 62.1388      | .FRAME, RAISED PLATFORM LH         | 1    |
| 4    | 99.SF0406    | .BOLT, SRF 1/4-20 X 3/4            | 8    |
| 5    | 56.0055-11IN | .FLEX TREAD, 5" BLACK COARSE X 11" | 2    |

# OPTIONS

## ILLUSTRATED DRAWING 70.4101 Backup Alarm Kit



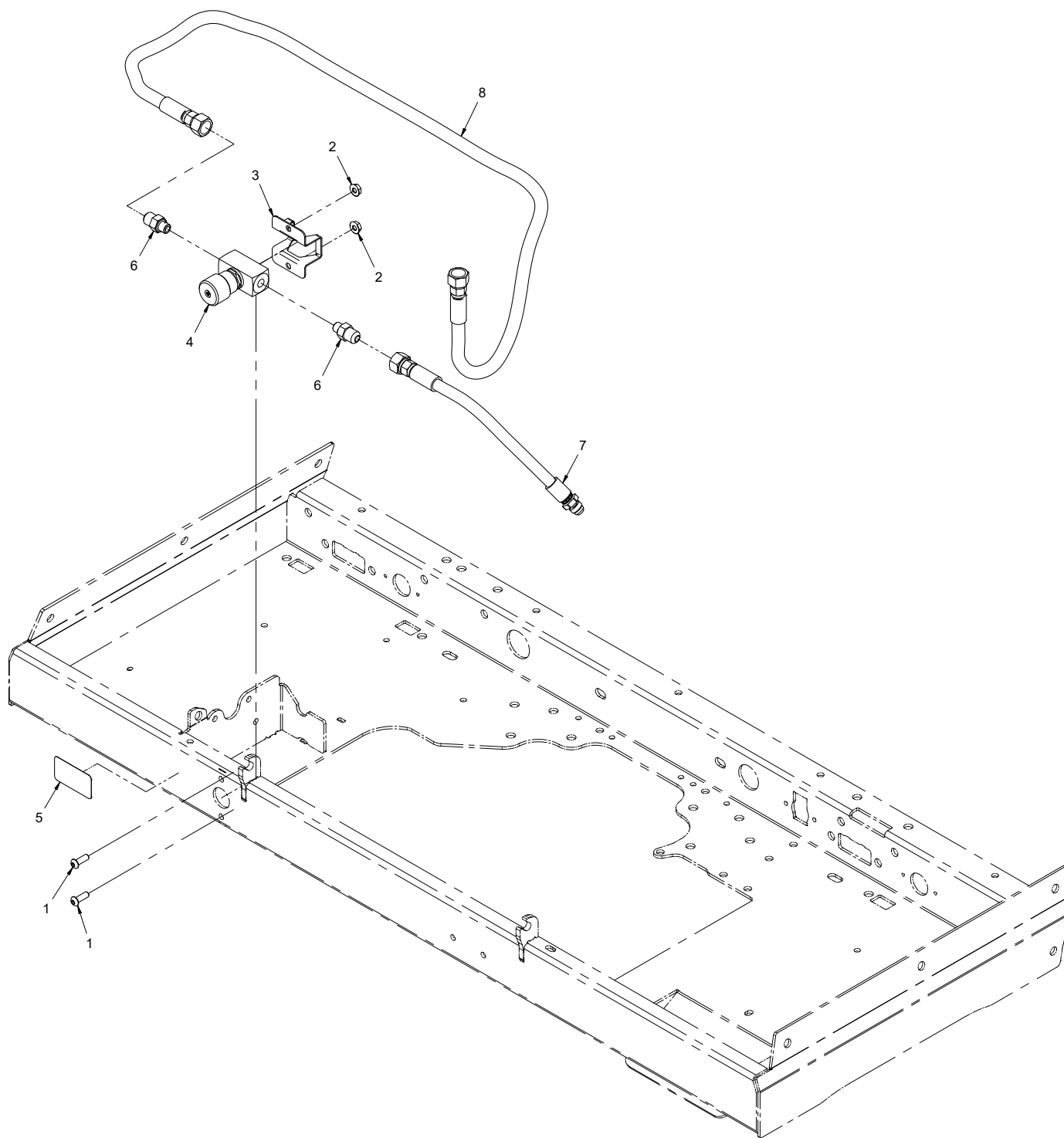
# OPTIONS

## 70.4101 Backup Alarm Kit

| REF. | PART NO. | DESCRIPTION                       | QTY. |
|------|----------|-----------------------------------|------|
| 1    | 99.SF05  | .NUT, SRF 5/16-18 USS.            | 1    |
| 2    | 35.0125  | .ALARM, AUDIBLE CONT. PANEL MT.   | 1    |
| 3    | 64.1601  | .BRACKET, BACKUP SWITCH MOUNT     | 1    |
| 4    | 64.1600  | .BRACKET, BACKUP SWITCH ACTUATOR. | 1    |
| 5    | 31.0044  | .SWITCH, PUSH BUTTON - NEUTRAL.   | 1    |
| 6    | 97.0506  | .BOLT, CARRIAGE 5/16 X 3/4.       | 1    |
| 7    | 30.0333  | .FUSE, 10 AMP MINI RED.           | 1    |
| 8    | 32.0122  | .HARNESS, WIRE BACKUP ALARM.      | 1    |

# OPTIONS

## ILLUSTRATED DRAWING 70.4121 Front Hitch Lock Valve Kit



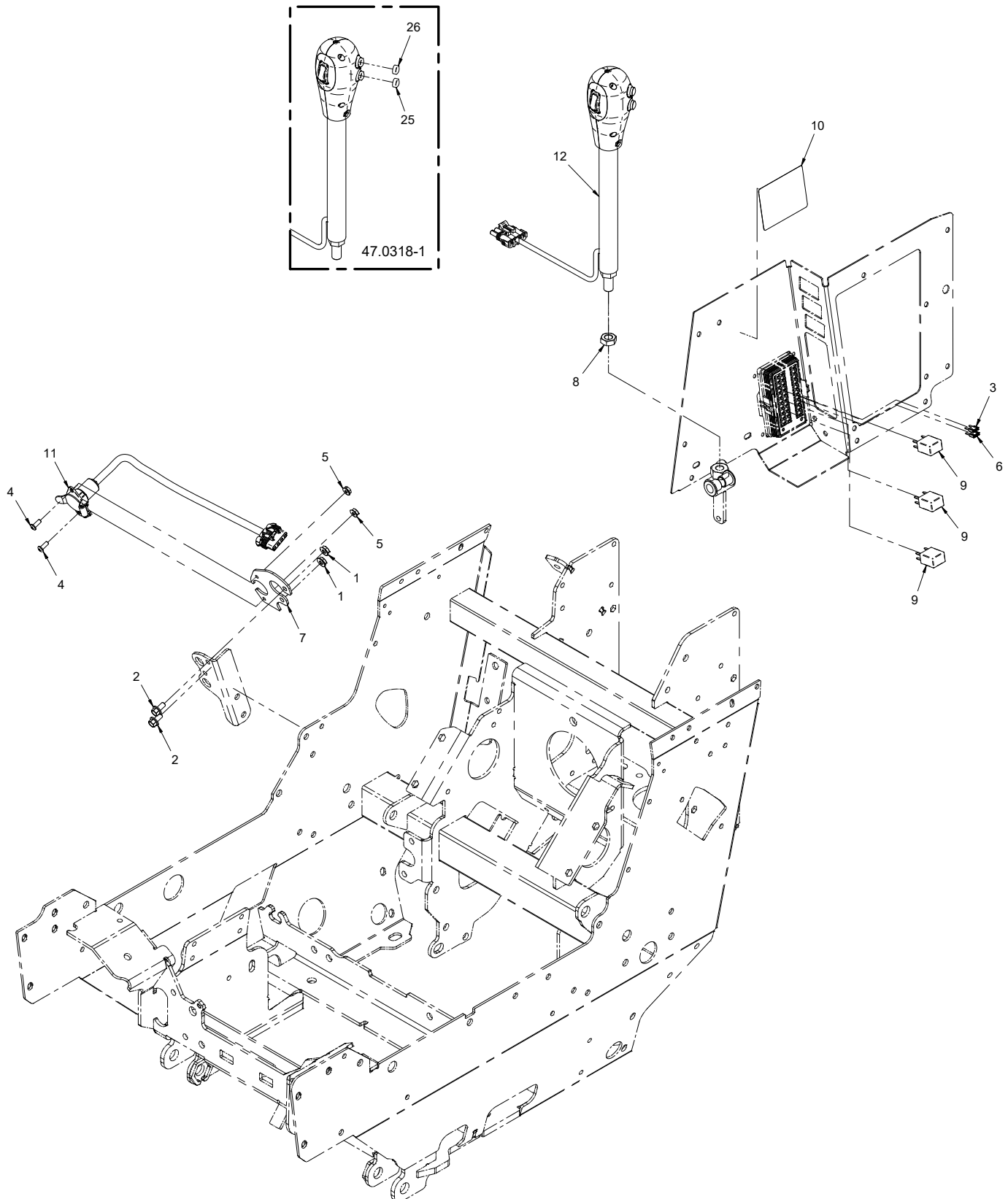
# OPTIONS

## 70.4121 Front Hitch Lock Valve Kit

| REF. | PART NO.       | DESCRIPTION                    | QTY. |
|------|----------------|--------------------------------|------|
| 1    | 99.0406        | .BOLT, 1/4-20 X 3/4 BSCS       | 2    |
| 2    | 99.SF04        | .NUT, SRF 1/4-20 USS.          | 2    |
| 3    | 64.1719        | .BRACKET, NEEDLE VALVE         | 1    |
| 4    | 23.0161        | .VALVE, NEEDLE.                | 1    |
| 5    | 00.0329        | .DECAL, FRONT HITCH VALVE.     | 1    |
| 6    | 25.6400-06-04. | .FITTING, M CONN 3/8 X 1/4     | 2    |
| 7    | 20.0311        | .HOSE, 1/4X8.00 SAE 100R17AR.  | 1    |
| 8    | 20.0302        | .HOSE, 1/4X48.00 SAE 100R17 AR | 1    |

# OPTIONS

## ILLUSTRATED DRAWING 70.4104 12 Volt Front Plug Kit



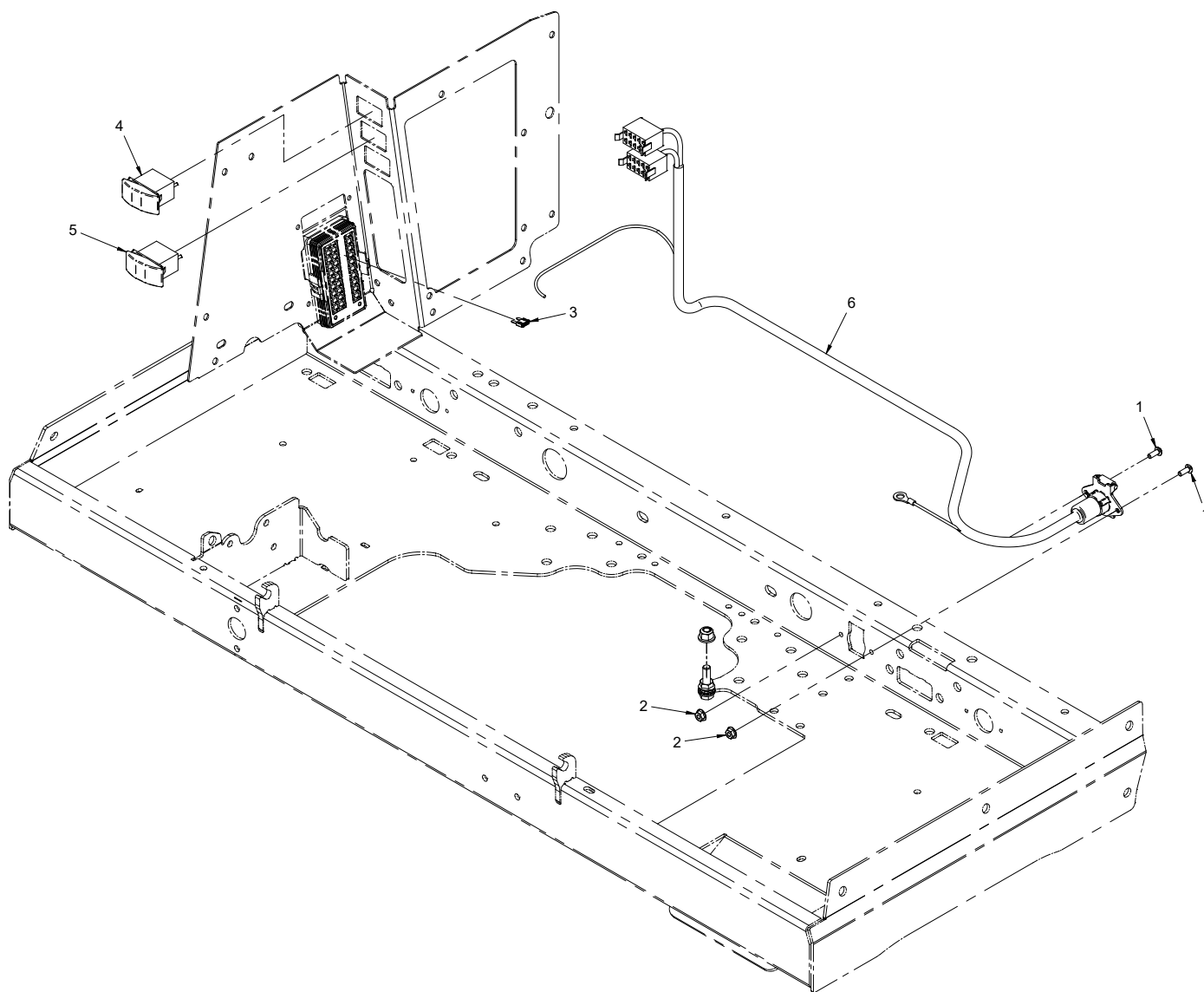
# OPTIONS

## 70.4104 12 Volt Front Plug Kit

| REF. | PART NO.    | DESCRIPTION                        | QTY. |
|------|-------------|------------------------------------|------|
| 1    | 99.SF04     | .NUT, SRF 1/4-20 USS.              | 2    |
| 2    | 99.SF0404-1 | .BOLT, SMF 1/4-20 X 1/2            | 2    |
| 3    | 30.0332     | .FUSE, 5 AMP MINI TAN              | 1    |
| 4    | 99.K0062    | .MACHINE SCREW, #10-32 X 1/2       | 2    |
| 5    | 99.E0035    | .NUT, SRF #10-32                   | 2    |
| 6    | 30.0334     | .FUSE, 15 AMP MINI BLUE.           | 1    |
| 7    | 64.1605     | .BRACKET, 12V 4 PIN SOCKET MT      | 1    |
| 8    | 92.08       | .NUT, JAM 1/2-13 USS.              | 1    |
| 9    | 35.0117     | .RELAY, 12V 35/20 AMP 280 MICRO    | 3    |
| 10   | 00.0328     | .DECAL, HANDLE 12V                 | 1    |
| 11   | 32.0114     | .HARNESS, WIRE 12V FRONT           | 1    |
| 12   | 47.0318-1   | .HANDLE, SDLA GRIP & POST          | 1    |
| 25   | 47.0349     | .BUTTON, SWITCH ORANGE (1/4" TALL) | 1    |
| 25   | 47.0427     | .BUTTON, SWITCH ORANGE (1/8" TALL) | 1    |
| 26   | 47.0348     | .BUTTON, SWITCH YELLOW (1/4" TALL) | 1    |
| 26   | 47.0426     | .BUTTON, SWITCH YELLOW (1/8" TALL) | 1    |

# OPTIONS

## ILLUSTRATED DRAWING 70.4105 12 Volt Rear Plug Kit





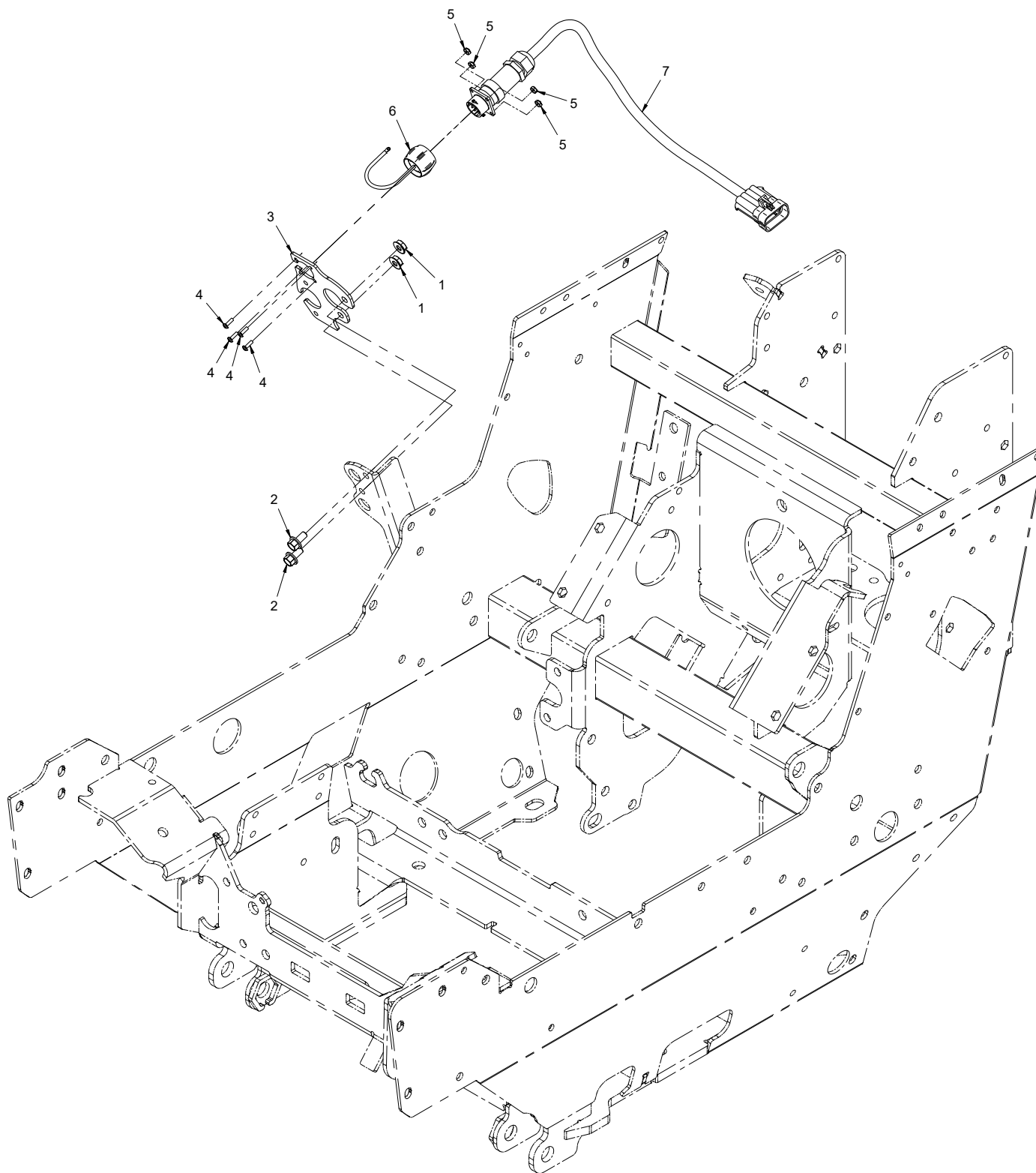
# OPTIONS

## 70.4105 12 Volt Rear Plug Kit

| REF. | PART NO. | DESCRIPTION                   | QTY. |
|------|----------|-------------------------------|------|
| 1    | 99.K0062 | .MACHINE SCREW, #10-32 X 1/2  | 2    |
| 2    | 99.E0035 | .NUT, SRF #10-32              | 2    |
| 3    | 30.0335  | .FUSE, 20 AMP MINI YELLOW     | 1    |
| 4    | 31.0053  | .SWITCH, ROCKER ON/OFF        | 1    |
| 5    | 31.0056  | .SWITCH, ROCKER (ON)/OFF/(ON) | 1    |
| 6    | 32.0113  | .HARNESS, WIRE 12V REAR       | 1    |

# OPTIONS

## ILLUSTRATED DRAWING 70.4106 PTO Remote Kit



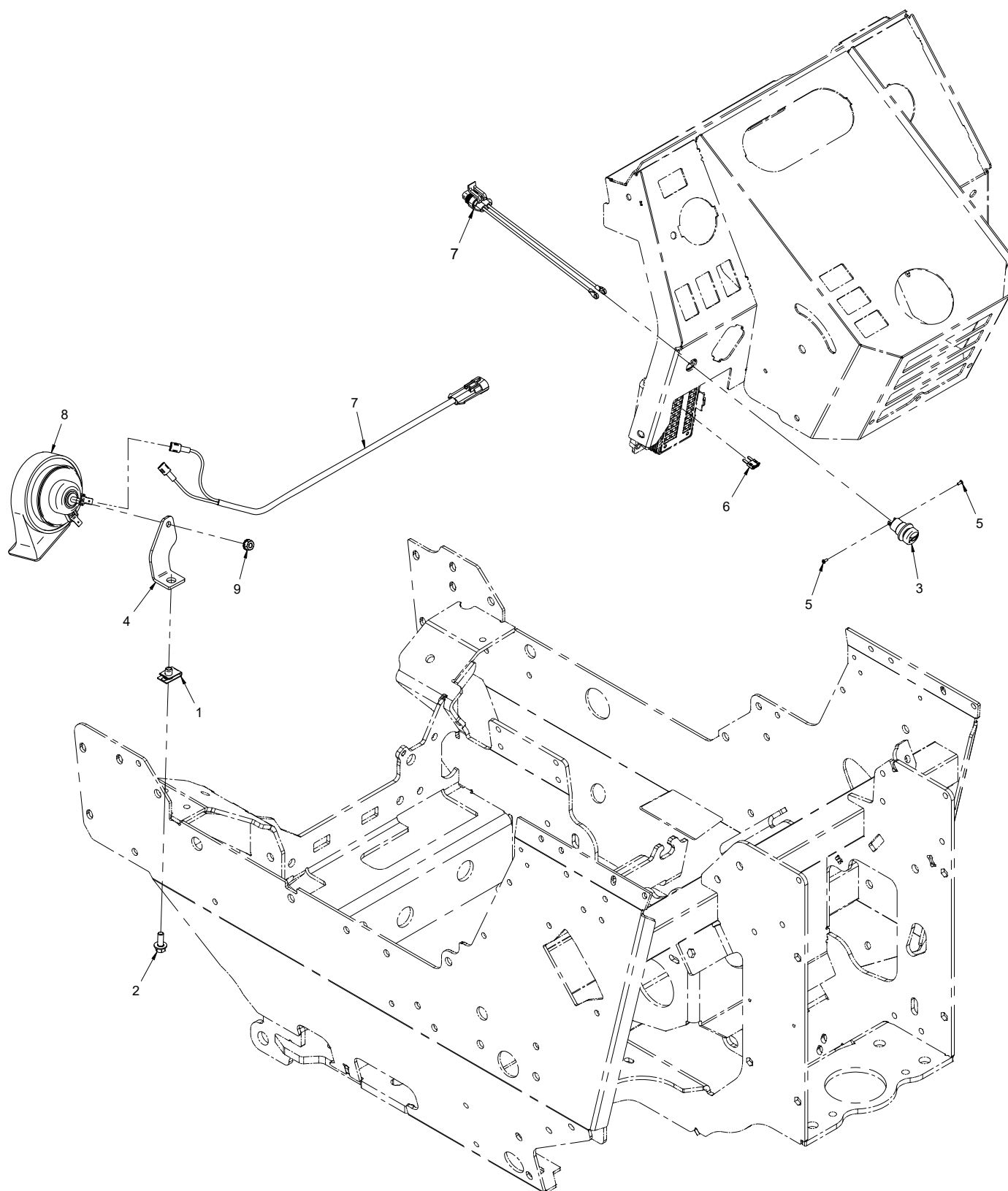
# OPTIONS

## 70.4106 PTO Remote Kit

| REF. | PART NO.    | DESCRIPTION                    | QTY. |
|------|-------------|--------------------------------|------|
| 1    | 99.SF04     | .NUT, SRF 1/4-20 USS.          | 2    |
| 2    | 99.SF0404-1 | .BOLT, SMF 1/4-20 X 1/2        | 2    |
| 3    | 64.1607     | .BRACKET, 12V DUAL SOCKETMOUNT | 1    |
| 4    | 99.K0130    | .MACHINE SCREW, #4-40 X 3/8.   | 4    |
| 5    | 99.E0110    | .NUT, JAM #4-40 NYLON LOCK.    | 4    |
| 6    | 30.0441     | .CAP, UTS MALE CONNECTOR       | 1    |
| 7    | 32.0121     | .HARNESS, WIRE PTO REMOTE      | 1    |

# OPTIONS

## ILLUSTRATED DRAWING 70.4120 Horn Kit



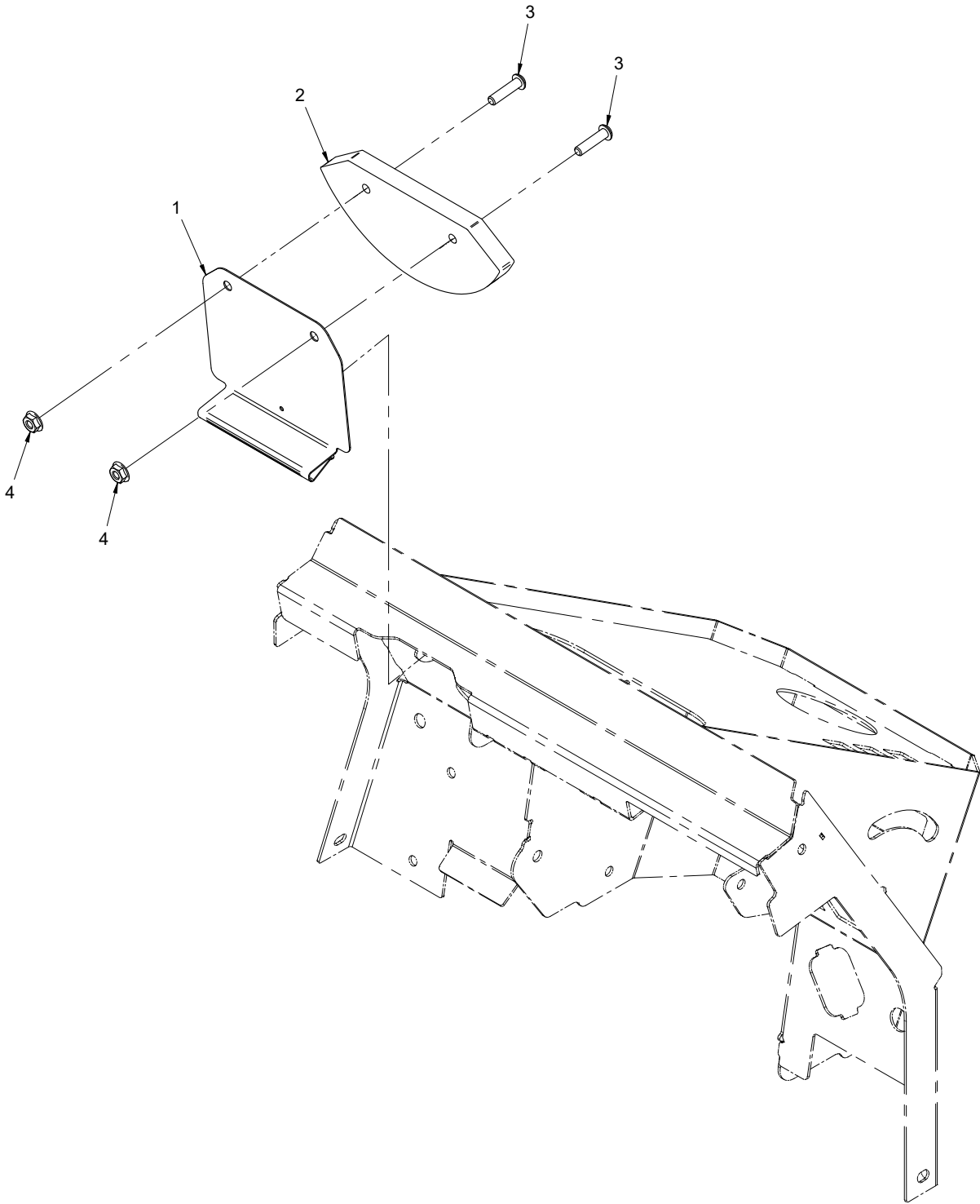
# OPTIONS

## 70.4120 Horn Kit

| REF. | PART NO.    | DESCRIPTION                  | QTY. |
|------|-------------|------------------------------|------|
| 1    | 99.E0046    | .NUT, "U" 1/4-20 EXTRUDED    | 1    |
| 2    | 99.SF0405-1 | .BOLT, SMF 1/4-20 X 5/8      | 1    |
| 3    | 31.0057     | .SWITCH, HORN                | 1    |
| 4    | 64.1711     | .BRACKET, HORN               | 1    |
| 5    | 99.K0125    | .MACHINE SCREW, #2-56 X 3/16 | 2    |
| 6    | 30.0332     | .FUSE, 5 AMP MINI TAN        | 1    |
| 7    | 32.0115     | .HARNESS, WIRE HORN          | 1    |
| 8    | 33.0019     | .HORN, LOW TONE              | 1    |
| 9    | 99.M0029    | .NUT, M6 X 1.0 W/LOCK WASHER | 1    |

# OPTIONS

## ILLUSTRATED DRAWING 70.4135 Slope Indicator Kit



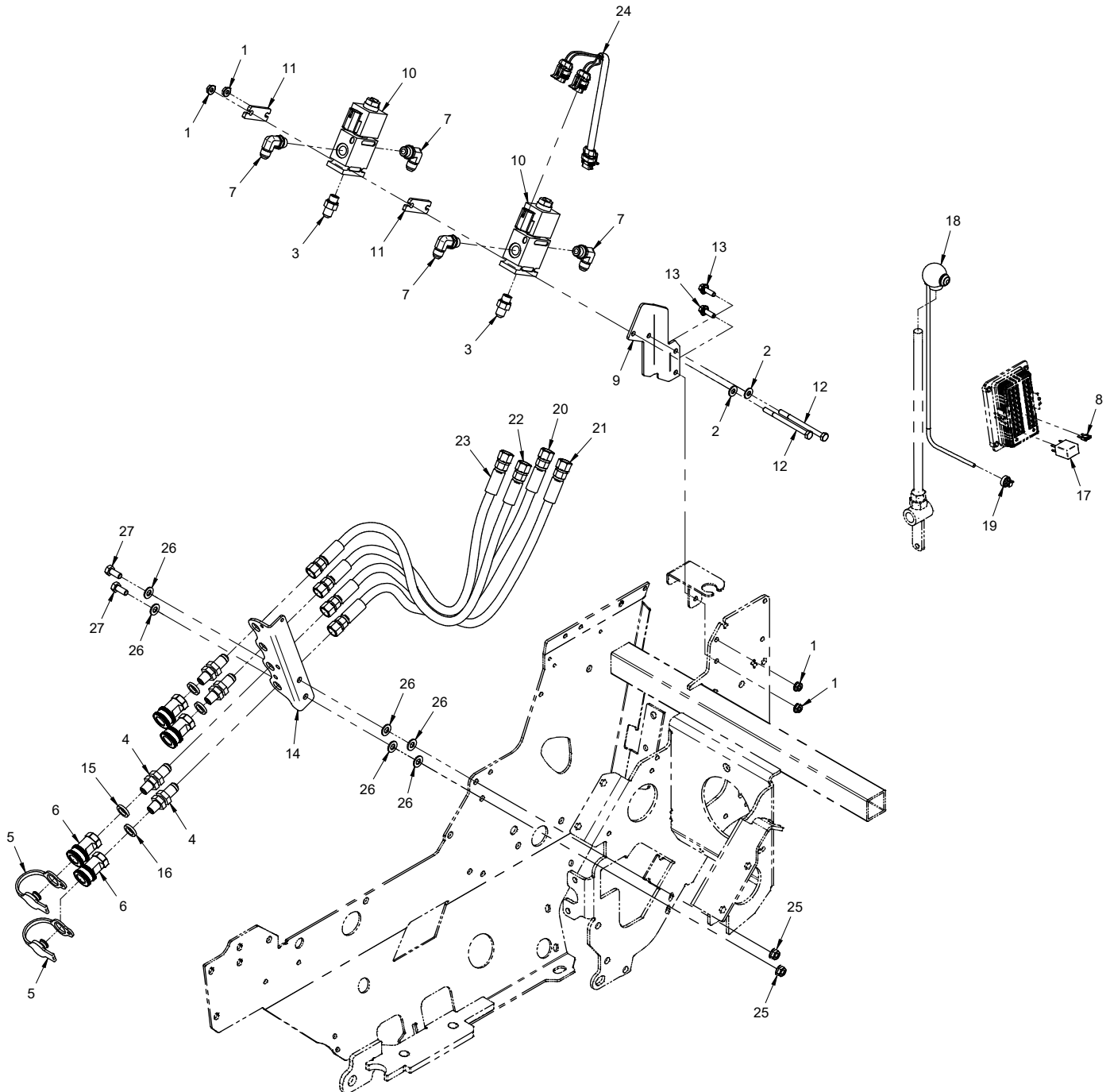
## OPTIONS

### 70.4135 Slope Indicator Kit

| REF. | PART NO. | DESCRIPTION                    | QTY. |
|------|----------|--------------------------------|------|
| 1    | 64.1844  | .BRACKET, SLOPE INDICATOR 4500 | 1    |
| 2    | 35.0105  | .INDICATOR, SLOPE DEGREE       | 1    |
| 3    | 99.0408  | .BOLT, 1/4-20 X 1 BSCS         | 2    |
| 4    | 99.SF04  | .NUT, SRF 1/4-20 USS           | 2    |

# OPTIONS

## ILLUSTRATED DRAWING 70.4109 Dual Front Hydraulic Auxiliary Kit





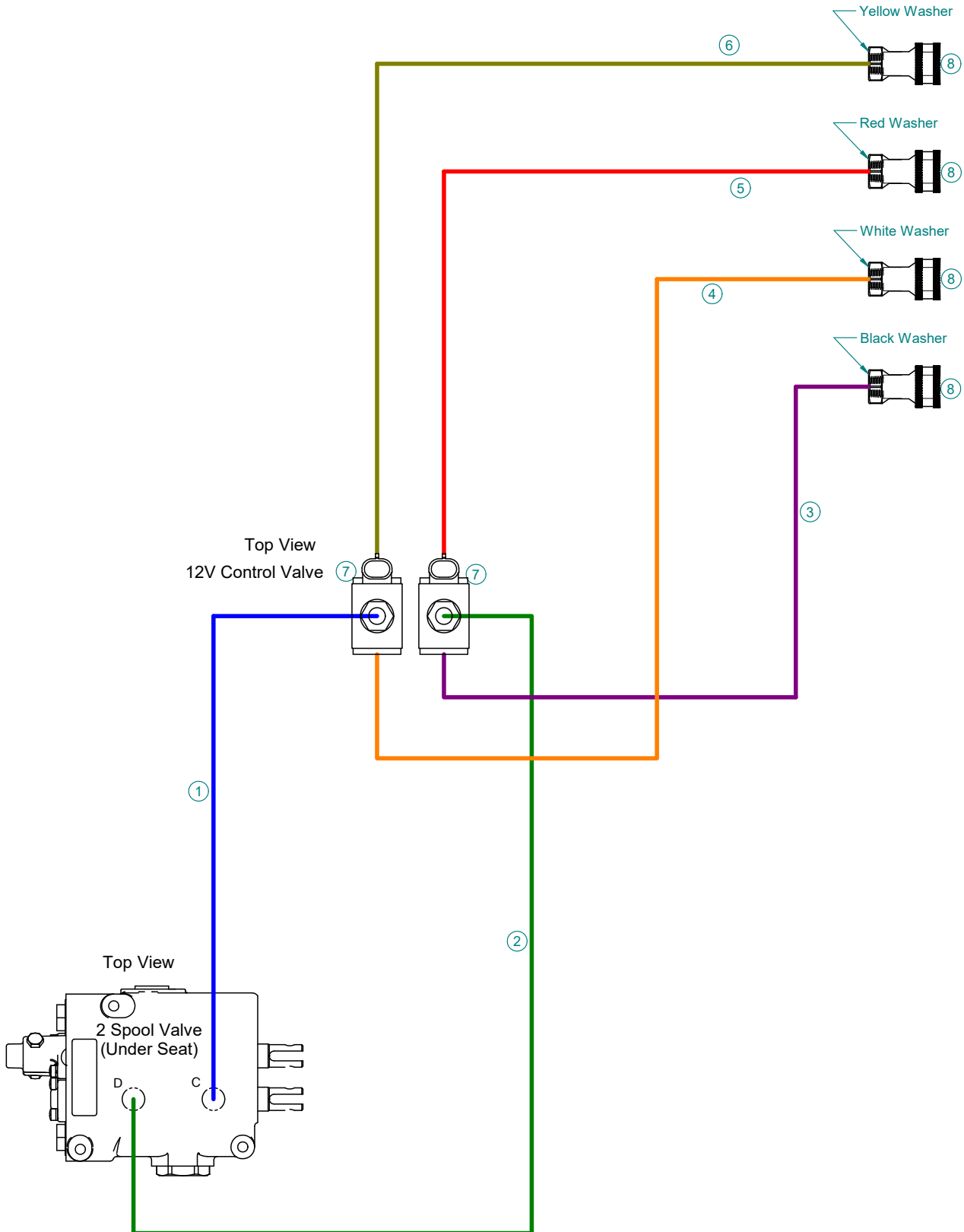
# OPTIONS

## 70.4109 Dual Front Hydraulic Auxiliary Kit

| REF. | PART NO.        | DESCRIPTION                            | QTY. |
|------|-----------------|----------------------------------------|------|
| 1    | 99.SF04         | .NUT, SRF 1/4-20 USS                   | 4    |
| 2    | 95.04           | .WASHER, FLAT 1/4 SAE                  | 2    |
| 3    | 25.6400-06-06   | .FITTING, M CONN 3/8 X 3/8             | 2    |
| 4    | 25.2706-04-06LN | .FITTING, BULKHEAD W/ LOCKNUT          | 2    |
| 5    | 23.0126         | .PLUG, DUST FOR 23.0106                | 2    |
| 6    | 23.0106         | .COUPLER, HYDRAULIC QUICK - 1/4 FEMALE | 2    |
| 7    | 25.6801-06-06   | .FITTING, 90 ME 3/8 X 3/8              | 4    |
| 8    | 30.0333         | .FUSE, 10 AMP MINI RED                 | 1    |
| 9    | 64.1650         | .BRACKET, DUAL VALVE MOUNT             | 1    |
| 10   | 23.0164         | .VALVE, DIRECTIONAL 12V                | 2    |
| 11   | 64.1649         | .PLATE, SPACER HYD VALVE               | 2    |
| 12   | 90.0428         | .BOLT, 1/4-20 USS X 3-1/2"             | 2    |
| 13   | 99.SF0406-1     | .BOLT, SMF 1/4-20 X 3/4                | 2    |
| 14   | 64.1602         | .BRACKET, HYD COUPLER 4 POS            | 1    |
| 15   | 05.0156         | .WASHER, .544ID X .817 X 14 NAT        | 1    |
| 16   | 05.0157         | .WASHER, .544 X .817 X 14 BLK          | 1    |
| 17   | 35.0117         | .RELAY, 12V 35/20 AMP 280 MICRO        | 1    |
| 18   | 47.0336         | .HANDLE, GRIP W/SWITCH                 | 1    |
| 19   | 30.0037         | .TYTON TIE, #50 .18 X 8 BLACK          | 2    |
| 20   | 20.0306         | .HOSE, 1/4X25.00 SAE 100R17 AR         | 1    |
| 21   | 20.0306         | .HOSE, 1/4X25.00 SAE 100R17 AR         | 1    |
| 22   | 20.0306         | .HOSE, 1/4X25.00 SAE 100R17 AR         | 1    |
| 23   | 20.0306         | .HOSE, 1/4X25.00 SAE 100R17 AR         | 1    |
| 24   | 32.0120         | .HARNESS, WIRE DUAL HYDRAULIC          | 1    |
| 25   | 99.SF05         | .NUT, SRF 5/16-18 USS                  | 2    |
| 26   | 95.05           | .WASHER, FLAT 5/16 SAE                 | 6    |
| 27   | 90.0506         | .BOLT, 5/16-18 USS X 3/4"              | 2    |

# OPTIONS

## ILLUSTRATED DRAWING Dual Front Hydraulic Auxiliary Diagram



# OPTIONS

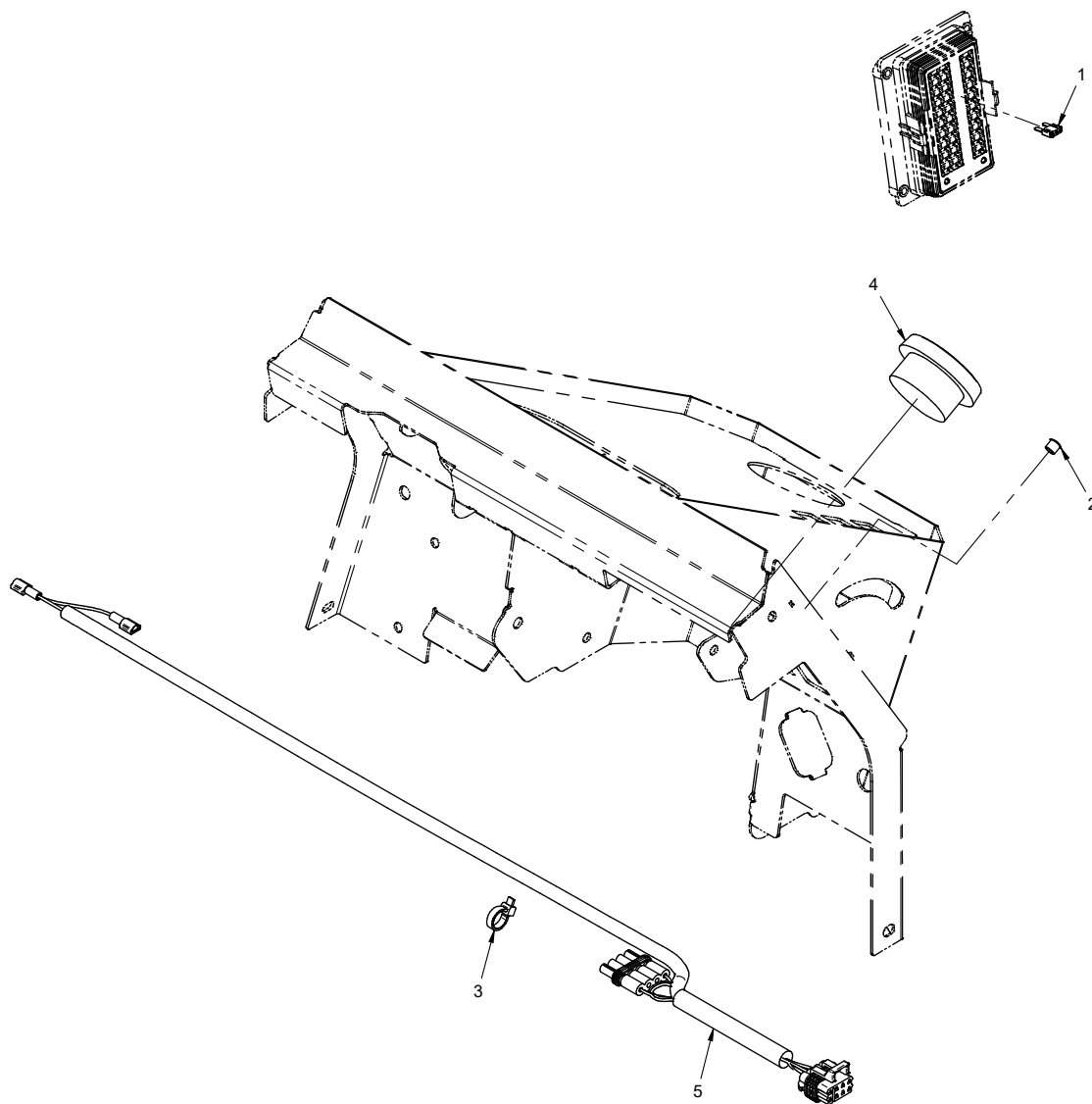
## Dual Front Hydraulic Auxiliary Diagram

| REF. | PART NO. | DESCRIPTION                            | QTY. |
|------|----------|----------------------------------------|------|
| 1    | 20.0303  | .HOSE, 1/4X58.00 SAE 100R17 AR         | 1    |
| 2    | 20.0303  | .HOSE, 1/4X58.00 SAE 100R17 AR         | 1    |
| 3    | 20.0306  | .HOSE, 1/4X25.00 SAE 100R17 AR         | 1    |
| 4    | 20.0306  | .HOSE, 1/4X25.00 SAE 100R17 AR         | 1    |
| 5    | 20.0306  | .HOSE, 1/4X25.00 SAE 100R17 AR         | 1    |
| 6    | 20.0306  | .HOSE, 1/4X25.00 SAE 100R17 AR         | 1    |
| 7    | 23.0164  | .VALVE, DIRECTIONAL 12V                | 2    |
| 8    | 23.0106  | .COUPLER, HYDRAULIC QUICK - 1/4 FEMALE | 4    |

# OPTIONS

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## ILLUSTRATED DRAWING 70.4140 Slope Indicator Kit



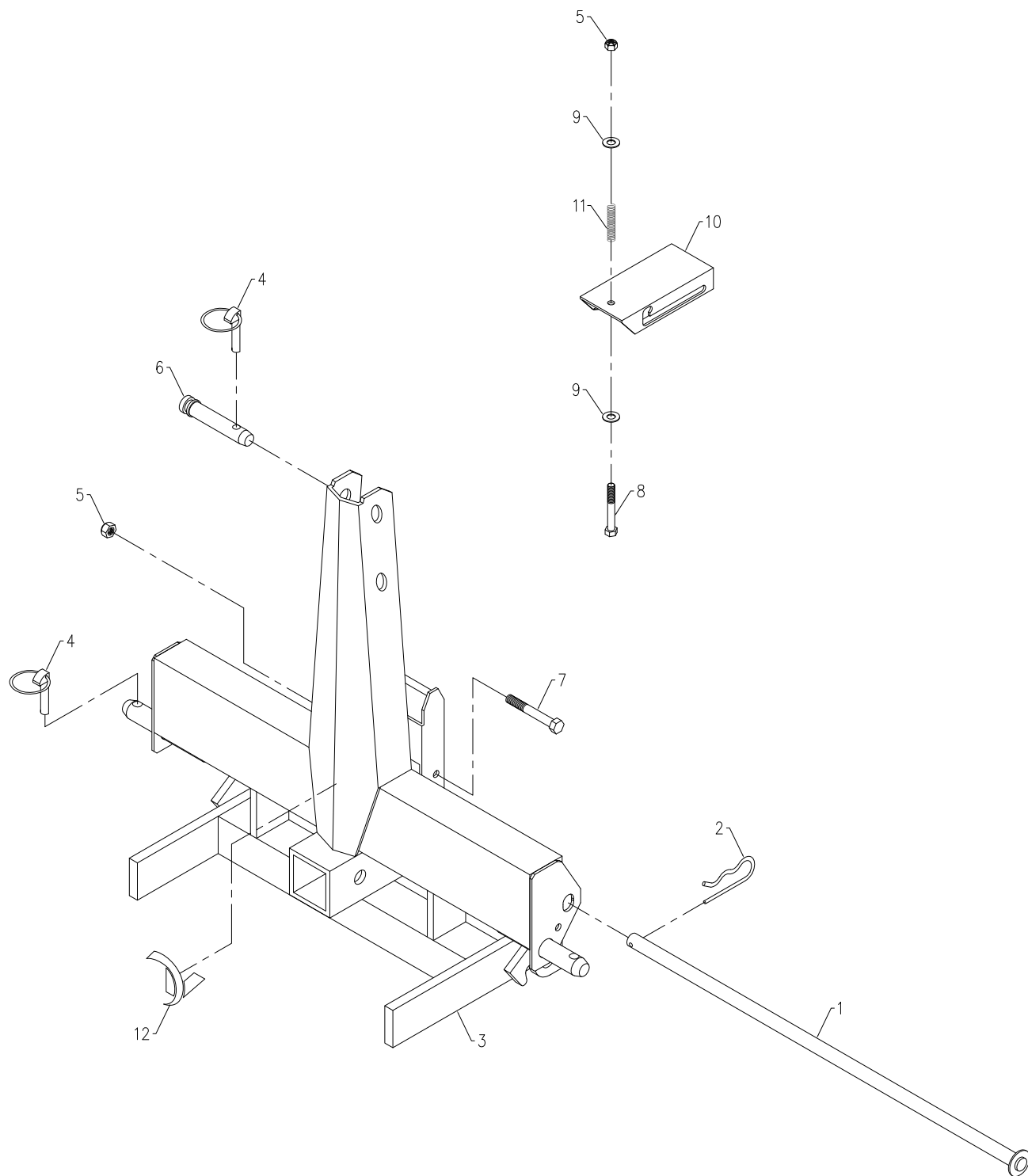
# OPTIONS

## 70.4140 Slope Indicator Kit

| REF. | PART NO. | DESCRIPTION                    | QTY. |
|------|----------|--------------------------------|------|
| 1    | 30.0332  | .FUSE, 5 AMP MINI TAN          | 1    |
| 2    | 05.0147  | .PLUG, 5/16" HOLE, NYLON BLACK | 1    |
| 3    | 30.0037  | .TYTON TIE, #50 .18 X 8 BLACK  | 4    |
| 4    | 35.0145  | .GAUGE, SLOPE INDICATOR        | 1    |
| 5    | 32.0166  | .HARNESS, WIRE SLOPE INDICATOR | 1    |

# OPTIONS

## ILLUSTRATED DRAWING 39.56114 3N1 Hitch



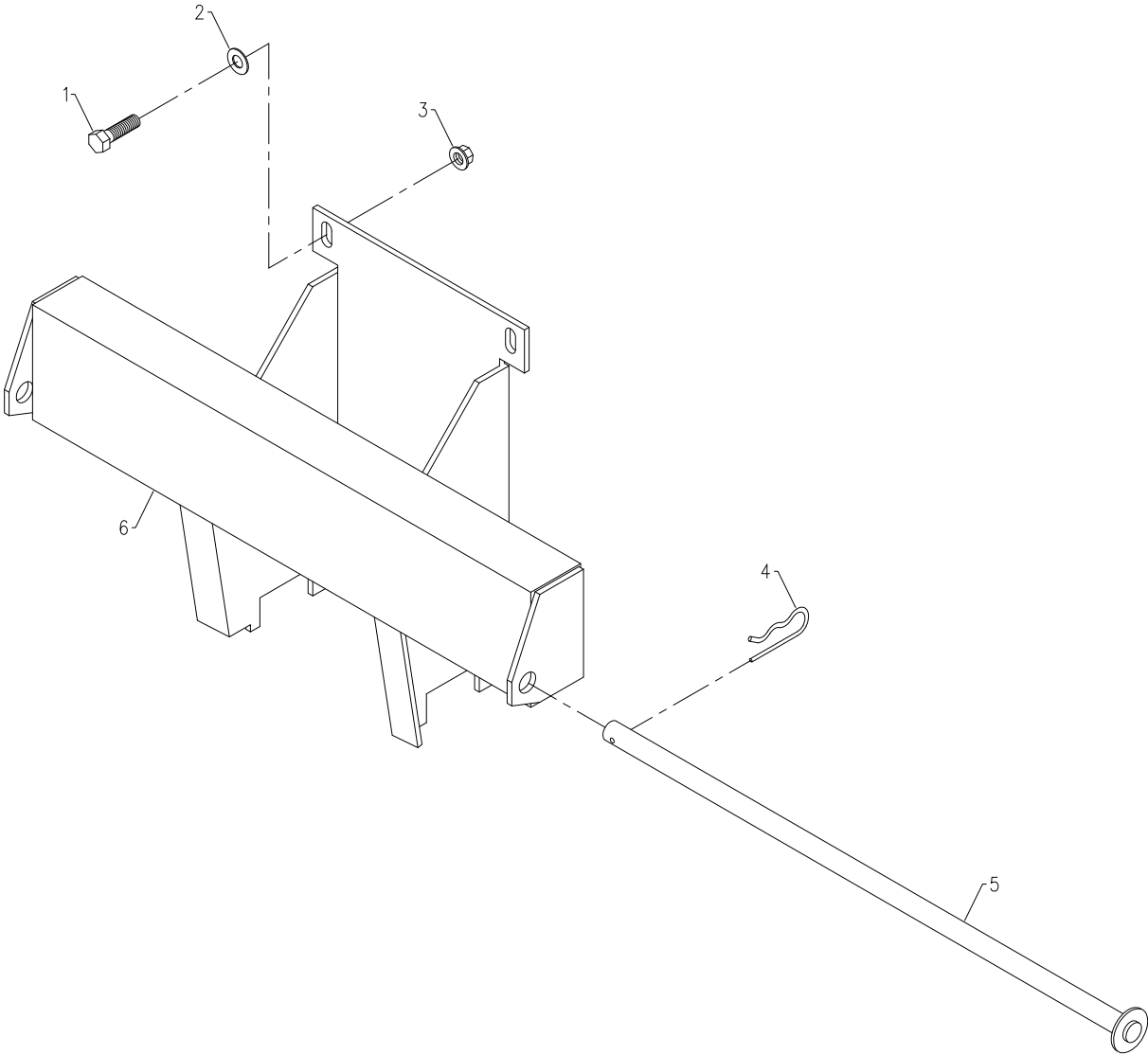
# OPTIONS

## 39.56114 3N1 Hitch

| REF. | PART NO.  | DESCRIPTION                     | QTY. |
|------|-----------|---------------------------------|------|
| 1    | 64.1017   | .PIN, SECURE WEIGHTS 5/8 X 24"L | 1    |
| 2    | 02.HP0420 | .HAIRPIN, 1/8 X 2 1/2.          | 1    |
| 3    | 62.0925   | .FRAME, 3N1 TOW HITCH           | 1    |
| 4    | 03.0005   | .PIN, LINCH                     | 3    |
| 5    | 99.A05    | .LOCKNUT, STOVER 5/16-18 USS    | 2    |
| 6    | 03.0004   | .PIN, TOP LINK CATEGORY 1       | 1    |
| 7    | 90.0526   | .BOLT, 5/16-18 USS X 3-1/4.     | 1    |
| 8    | 90.0524   | .BOLT, 5/16-18 USS X 3.         | 1    |
| 9    | 95.05     | .WASHER, FLAT 5/16 SAE          | 2    |
| 10   | 64.1101   | .LATCH, LEVER LOCK              | 1    |
| 11   | 41.0021   | .SPRING, COMP 1/2 OD X 2-3/4 LG | 1    |
| 12   | 00.0192   | .DECAL, V-DECAL DIE CUT BLUE    | 1    |

# OPTIONS

## ILLUSTRATED DRAWING 39.56116 Rear Counterweight Bar





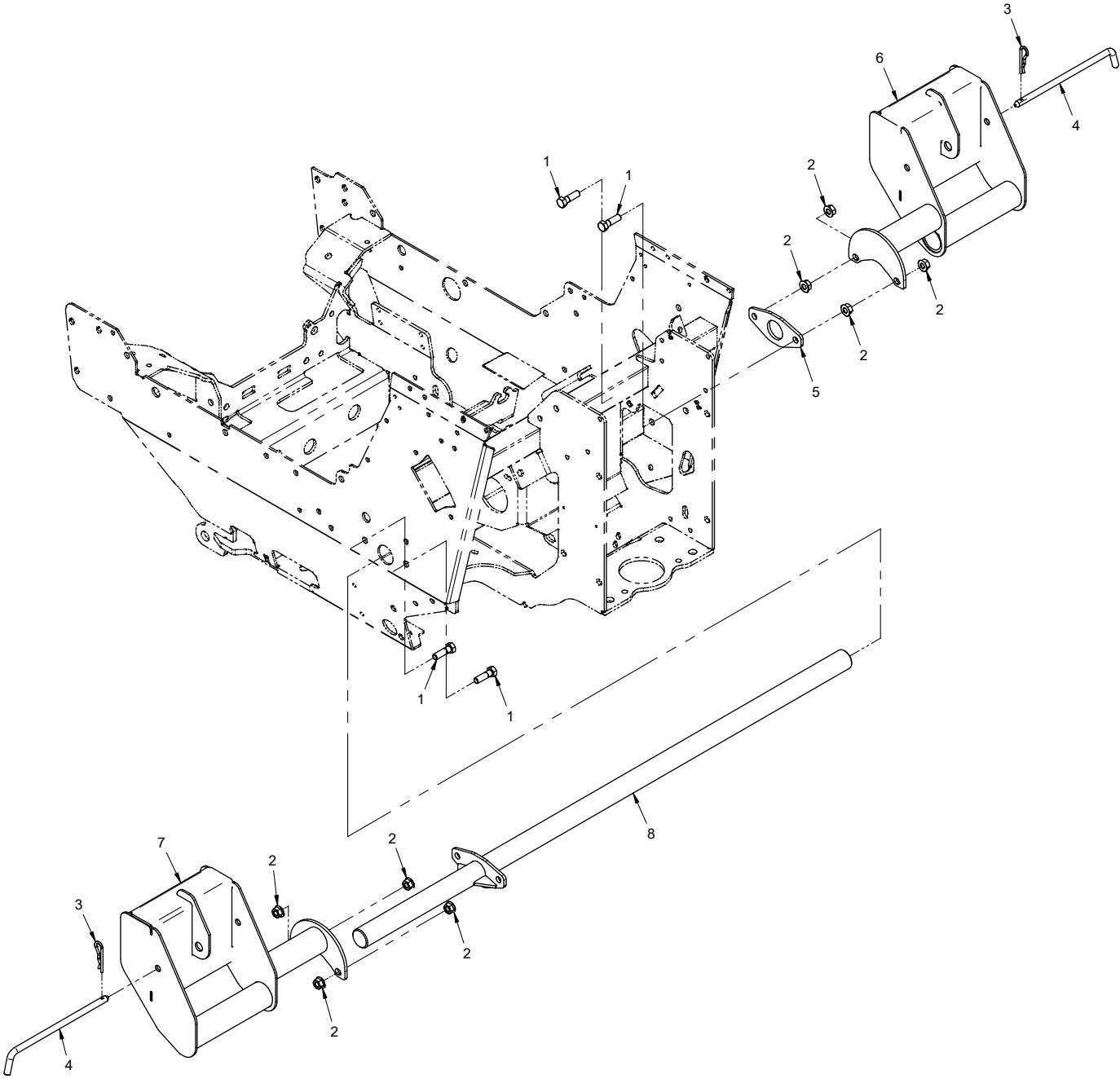
# OPTIONS

## 39.56116 Rear Counterweight Bar

| REF. | PART NO.  | DESCRIPTION              | QTY. |
|------|-----------|--------------------------|------|
| 1    | 90.0606   | .BOLT, 3/8-16 USS X 3/4  | 2    |
| 2    | 95.06     | .WASHER, FLAT 3/8 SAE    | 2    |
| 3    | 99.SF06   | .NUT, SRF 3/8-16 USS     | 2    |
| 4    | 02.HP0420 | .HAIRPIN, 1/8 X 2 1/2    | 1    |
| 5    | 64.1040   | .PIN, WEIGHT SECURE 21"L | 1    |
| 6    | 62.0955   | .FRAME, REAR WT BRACKET  | 1    |

# OPTIONS

## ILLUSTRATED DRAWING 70.4137 Mid Weight Bar 4500 Kit



## OPTIONS

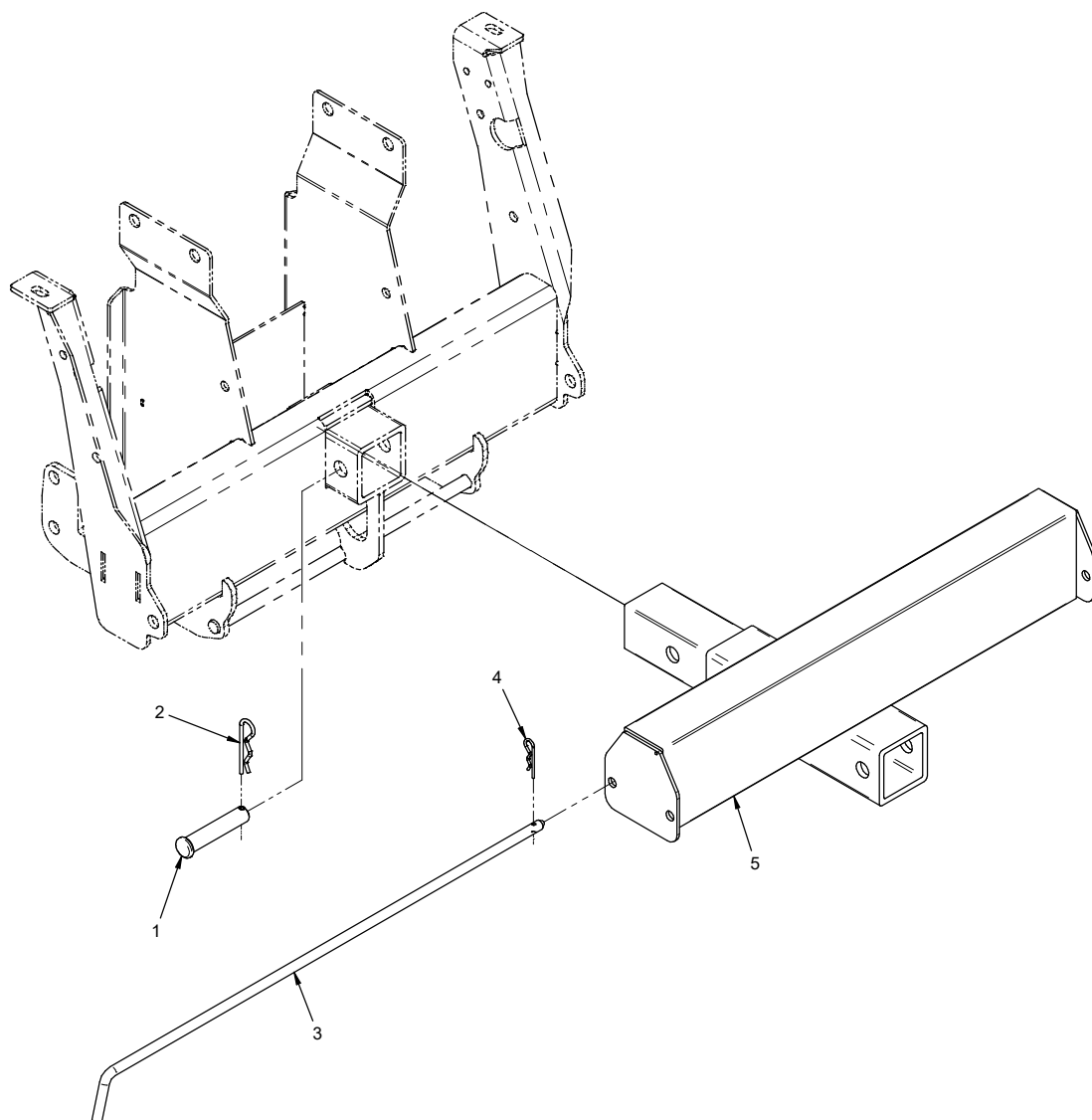
### 70.4137 Mid Weight Bar 4500 Kit

| REF. | PART NO.  | DESCRIPTION                     | QTY. |
|------|-----------|---------------------------------|------|
| 1    | 90.0610   | .BOLT, 3/8-16 USS X 1-1/4.      | 4    |
| 2    | 99.SF06   | .NUT, SRF 3/8-16 USS.           | 8    |
| 3    | 02.HP0416 | .HAIRPIN, 1/8 X 2.              | 2    |
| 4    | 64.0761   | .PIN, WEIGHT SECURE 7.3" USABLE | 2    |
| 5    | 64.1029   | .PLATE, REAR CLAMP CROSSBAR MT. | 1    |
| 6    | 62.1449   | .FRAME, WEIGHT MID RIGHT.       | 1    |
| 7    | 62.1448   | .FRAME, WEIGHT MID LEFT.        | 1    |
| 8    | 42.0455   | .SHAFT, REAR ANCHOR MOUNT.      | 1    |

# OPTIONS

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## ILLUSTRATED DRAWING 70.4144 Rear Weight Bar Kit



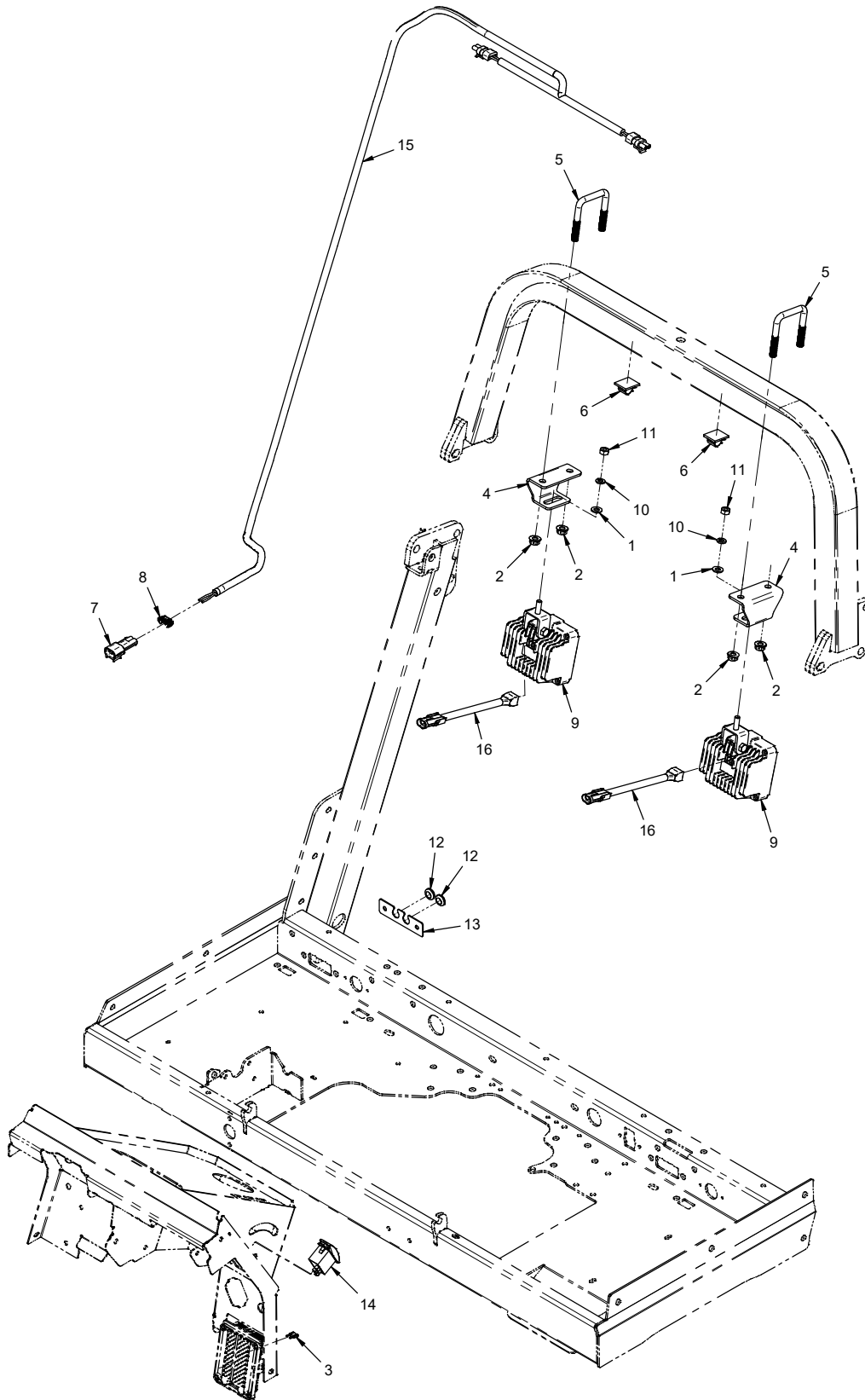
# OPTIONS

## 70.4144 Rear Weight Bar Kit

| REF. | PART NO.  | DESCRIPTION                     | QTY. |
|------|-----------|---------------------------------|------|
| 1    | 03.1024   | CLEVIS PIN, 5/8 X 3 OAL.        | 1    |
| 2    | 02.HP0420 | HAIRPIN, 1/8 X 2 1/2.           | 1    |
| 3    | 64.1912   | PIN, WEIGHT SECURE 22.5" USABLE | 1    |
| 4    | 02.HP0313 | HAIRPIN, 3/32 X 1-5/8           | 1    |
| 5    | 62.1454   | FRAME, REAR WEIGHT BAR.         | 1    |

# OPTIONS

## ILLUSTRATED DRAWING 70.4133 LED Work Light Kit



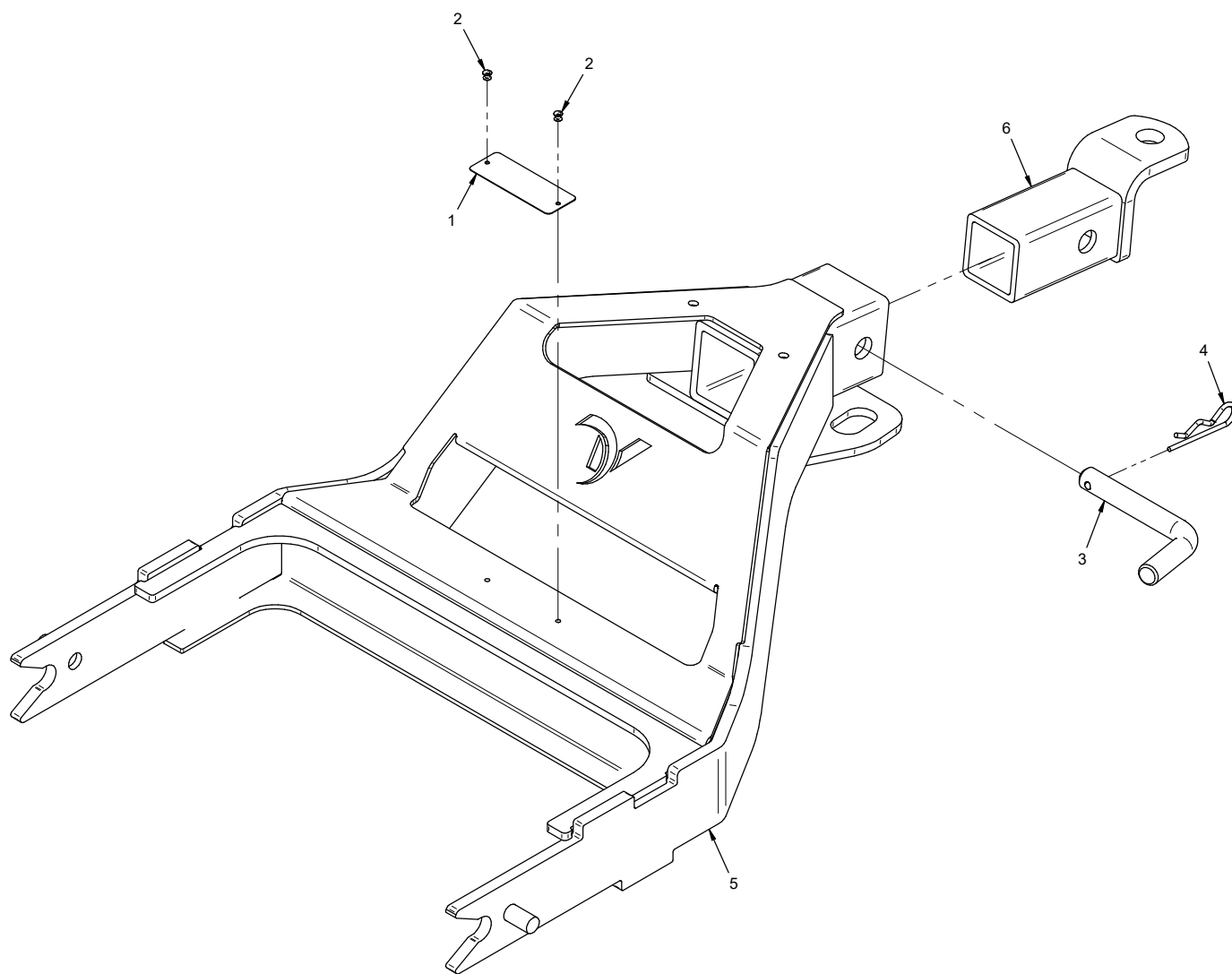
# OPTIONS

## 70.4133 LED Work Light Kit

| REF. | PART NO. | DESCRIPTION                     | QTY. |
|------|----------|---------------------------------|------|
| 1    | 95.05    | .WASHER, FLAT 5/16 SAE          | 2    |
| 2    | 99.E0082 | .NUT, LOCKING FLANGE 3/8-16     | 4    |
| 3    | 30.0334  | .FUSE, 15 AMP MINI BLUE         | 1    |
| 4    | 64.1706  | .BRACKET, WORKLIGHT MOUNT KN    | 2    |
| 5    | 11.0053  | .U-BOLT, 3/8-16 2-1/16 ID SQ.   | 2    |
| 6    | 30.0217  | .CLAMP, WIRE MT ADH. 1/2 GRAY   | 2    |
| 7    | 30.0322  | .CONNECTOR, MP280 2 POS MALE    | 1    |
| 8    | 30.0326  | .CLIP, MP280 CONNECTOR 2 POS.   | 1    |
| 9    | 33.0069  | .LIGHT, WORK 3 X 3 LED          | 2    |
| 10   | 96.05    | .WASHER, LOCK 5/16              | 2    |
| 11   | 99.M0025 | .NUT, M8 X 1.25M                | 2    |
| 12   | 05.0136  | .GROMMET, 7/16ID, 3/4OD, 1/4THK | 2    |
| 13   | 60.1175  | .COVER, OPT. LIGHT KIT ACCESS   | 1    |
| 14   | 31.0053  | .SWITCH, ROCKER ON/OFF          | 1    |
| 15   | 32.0116  | .HARNESS, WIRE WORK LIGHT.      | 1    |
| 16   | 32.0162  | .HARNESS, WIRE 33.0069 WP       | 2    |

# OPTIONS

## ILLUSTRATED DRAWING 70.2016 Trailer Mover Hitch





# OPTIONS

## 70.2016 Trailer Mover Hitch

| REF. | PART NO.  | DESCRIPTION                     | QTY. |
|------|-----------|---------------------------------|------|
| 1    | N/A       | .PLATE, VENTRAC SERIAL NUMBER   | 1    |
| 2    | 04.0007   | .RIVET, POP DOME 1/8 X 1/8 S.S. | 2    |
| 3    | 03.0014   | .PIN, HITCH 5/8" X 3" USABLE    | 1    |
| 4    | 02.HP0420 | .HAIRPIN, 1/8 X 2 1/2.          | 1    |
| 5    | 62.1461   | .FRAME, TOW HITCH               | 1    |
| 6    | 62.0968   | .HITCH, REAR                    | 1    |