



Form No. 3473-434 Rev B

**Count on it.**

# Parts Catalog

## Groundsmaster® e3300 All-Wheel Drive

### Traction Unit

Model No. 31802—Serial No. 418200000 and Up



# Ordering Replacement Parts

To order replacement parts, please supply the part number, the quantity, and the description of each part desired.

## Understanding Reference Numbers

Each identified part in an illustration has a reference number. The reference number for a part also appears in the parts list, along with other information about the part.

This catalog uses two special reference number formats, one to indicate parts in a service assembly and another to indicate the quantity of a given part in an illustration.

## Service Assembly Reference Numbers

Parts in service assemblies have reference numbers in the form a:b. The a represents the reference number of the entire service assembly and the b represents a sequential number unique to each part within the service assembly.

For example, a wheel assembly might be identified by reference number 6, the tire by 6:1, the valve by 6:2, and the wheel by 6:3. When you order the assembly identified by reference number 6, you receive all parts identified by reference numbers 6:1, 6:2, and 6:3. However, you may also order any part individually. Reference numbers of this type appear in illustration and in parts lists.

## Reference Numbers Indicating Quantity

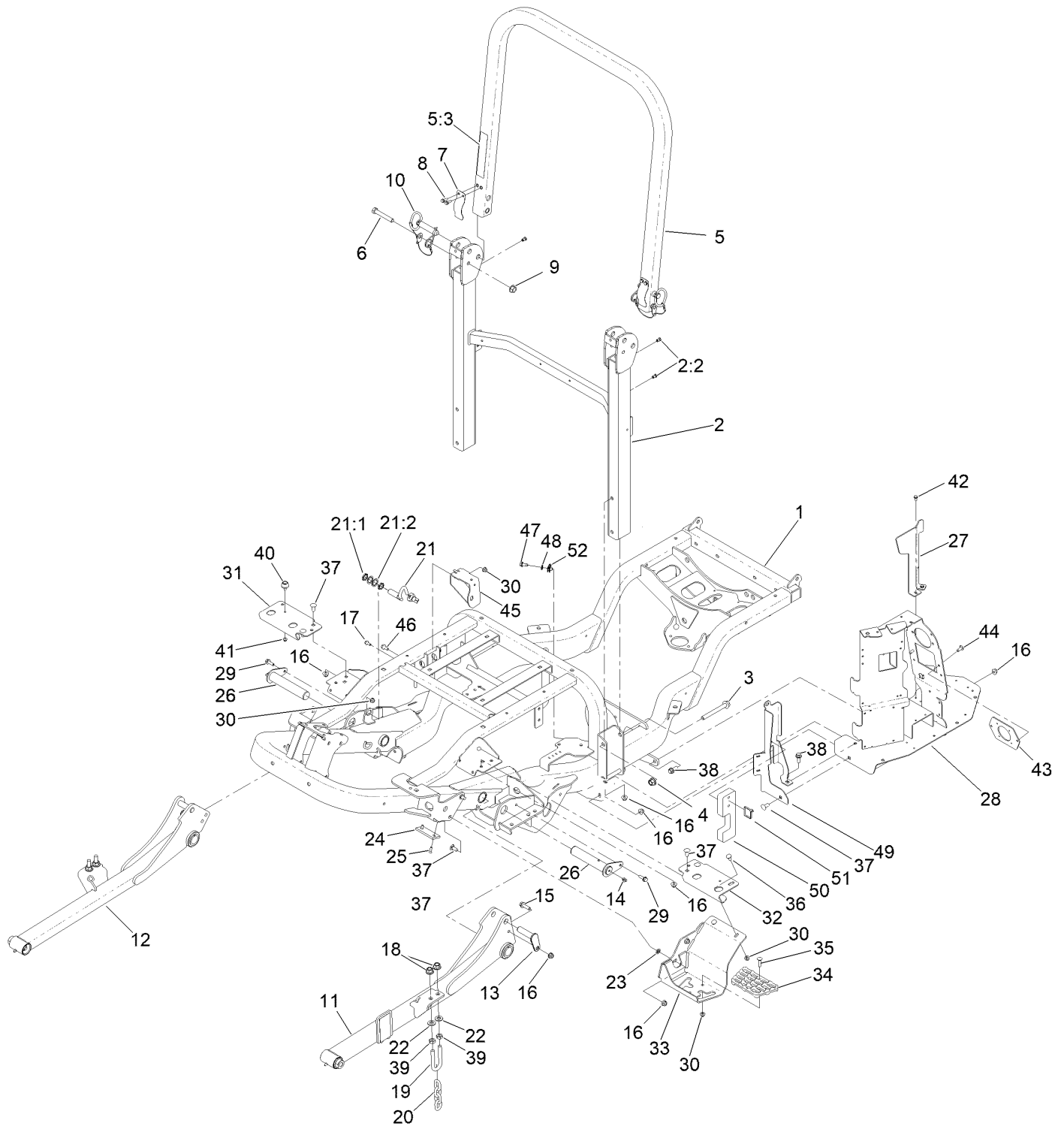
In an illustration, if a reference number indicates more than one part, the reference number has the form nX y. The n represents the quantity of the part, the X is the multiplication symbol, and the y represents the reference number.

For example, in an illustration, the reference number 2X 37 means that two of the parts identified by reference number 37 are indicated.

# Contents

|                                                      |    |
|------------------------------------------------------|----|
| Frame and Roll-Over Protection System Assembly ..... | 4  |
| LH Lift Arm Assembly No. 144-3943 .....              | 6  |
| RH Lift Arm Assembly No. 144-3942 .....              | 8  |
| Axle, Wheel and Motor/Generator Assembly .....       | 10 |
| Rear Axle Assembly .....                             | 12 |
| Tie Rod Assembly No. 144-3900 .....                  | 14 |
| Steering Cylinder Assembly No. 139-6277 .....        | 16 |
| Hydraulic Assembly .....                             | 18 |
| Gear Pump Assembly No. 147-5115 .....                | 20 |
| Steering/Lift Manifold Assembly No. 145-0939 .....   | 22 |
| Hydraulic Tank Assembly NO. 145-1053 .....           | 24 |
| Hydraulic Cylinder No. 139-0854 .....                | 26 |
| Steering Assembly .....                              | 28 |
| Steering Column Assembly No. 139-0857 .....          | 30 |
| Steering Valve Assembly No. 114-8119 .....           | 32 |
| Battery Assembly .....                               | 34 |
| Pedal Assembly .....                                 | 36 |
| Platform Assemnly .....                              | 38 |
| Control Console Assembly .....                       | 40 |
| Electrical Assembly .....                            | 42 |
| Wire Harness Assembly No. 122-3460 .....             | 44 |
| Hood Assembly .....                                  | 46 |
| 4WD Assembly .....                                   | 48 |
| Miscellaneous Parts Assembly .....                   | 50 |
| Air Ride Suspension Seat Assembly No. 161-0807 ..... | 52 |
| Attachments and Accessories .....                    | 54 |

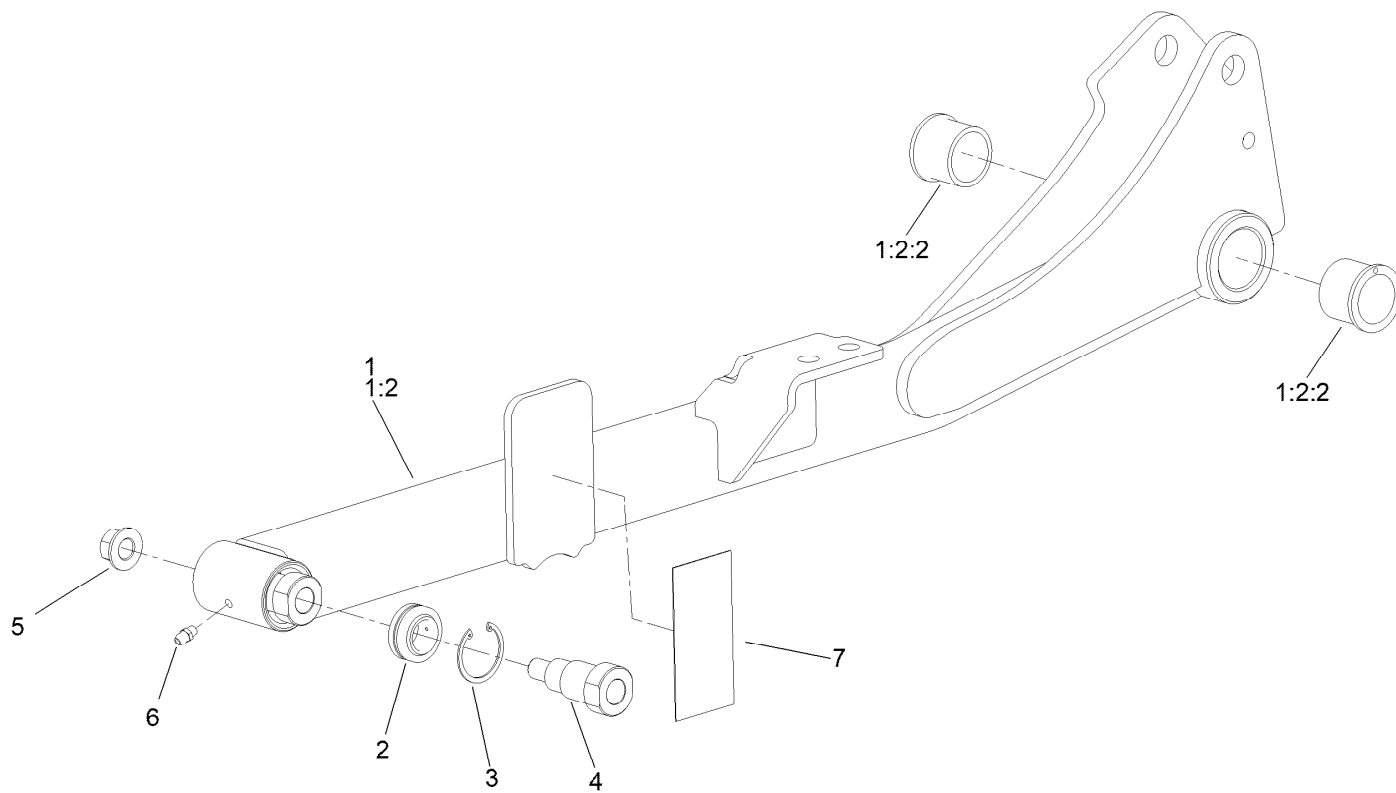
# Frame and Roll-Over Protection System Assembly



# Frame and Roll-Over Protection System Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>          | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>           |
|-------------|--------------------|-------------|-----------------------------|-------------|--------------------|-------------|------------------------------|
| 1           | 145-0980-03        | 1           | Frame ASM                   | 26          | 145-1130           | 2           | Pin                          |
| 2           | 139-6254           | 1           | Lower ROPS ASM              | 27          | 161-0822-0P        | 1           | Bracket-Deflector            |
| 2:2         | 138-2758           | 4           | Nut-Clinch,Hex              | 28          | 161-5120-03        | 1           | Panel-Charge                 |
| 3           | 117-3176           | 4           | Screw-HHF                   | 29          | 3234-29            | 2           | Screw-HHF                    |
| 4           | 99-5107            | 4           | Nut-HF Nylock               | 30          | 104-8300           | 6           | Nut-HF, NI                   |
| 5           | 138-7470           | 1           | ROPS ASM, Upper             | 31          | 139-0940-03        | 1           | Bracket-Tank Mount, Front RH |
| 5:3         | 108-2073           | 1           | Decal-Warning               | 32          | 138-7365-03        | 1           | Bracket-Tank Mount, Front LH |
| 6           | 325-13             | 2           | Screw-HH                    | 33          | 139-0927-01        | 1           | Bracket-Mount, Step          |
| 7           | 110-5696           | 2           | Spring-Leaf                 | 34          | 126-4781           | 1           | Step-Deck                    |
| 8           | 32105-15           | 4           | Screw-HWH                   | 35          | 3230-3             | 1           | Screw-CARR                   |
| 9           | 32128-23           | 2           | Nut-HF                      | 36          | 3230-23            | 2           | Bolt-CARR                    |
| 10          | 161-4477           | 2           | ROPS Pin ASM                | 37          | 3231-27            | 7           | Screw-CARR                   |
| 11          | 144-3943           | 1           | Lift Arm ASM. LH            | 38          | 3234-42            | 2           | Screw-HHF                    |
| 12          | 144-3942           | 1           | Lift Arm ASM. RH            | 39          | 3218-5             | 4           | Nut-Jam                      |
| 13          | 138-7489           | 2           | Pin (Machined)              | 40          | 109-2365           | 1           | Bumper-Rubber                |
| 14          | 302-40             | 2           | Fitting-Grease, 90 DEG      | 41          | 104-7201           | 2           | Nut-HF, NI                   |
| 15          | 119-4061           | 2           | Screw-HHF                   | 42          | 32144-4            | 2           | Screw-HWH                    |
| 16          | 104-8301           | 11          | Nut-HF, NI                  | 43          | 161-0851-03        | 1           | Adapter-Charger              |
| 17          | 99-6810            | 1           | Screw-HHF                   | 44          | 138-9753           | 2           | Screw                        |
| 18          | 99-5107            | 4           | Nut-HF Nylock               | 45          | 161-7639-0P        | 1           | Bracket-Cable                |
| 19          | 104-0108           | 2           | U-Bolt                      | 46          | 139-2598           | 1           | Screw-HHF                    |
| 20          | 95-6231            | 2           | Chain-HOC                   | 47          | 145-5783           | 1           | Screw-Sems                   |
| 21          | 115-5300           | 1           | Proximity Sensor ASM        | 48          | 3256-1             | 1           | Washer-Flat                  |
| 21:1        | 117-3207           | 2           | Nut-Hex                     | 49          | 161-7629-03        | 1           | Shield-Pdu                   |
| 21:2        | 117-3208           | 2           | Washer-Lock, Internal Tooth | 50          | 161-7628           | 1           | Foam-Seal, Cable             |
| 22          | 3256-26            | 4           | Washer-Flat                 | 51          | 3290-379           | 1           | Tie-Cable                    |
| 23          | 107-3154           | 2           | Nut-Push                    | 52          | 126-3739           | 1           | Nut-Retainer                 |
| 24          | 138-4452           | 2           | Pad-Stop, Deck              |             |                    |             |                              |
| 25          | 3289-4             | 4           | Screw-FH                    |             |                    |             |                              |

# LH Lift Arm Assembly No. 144-3943

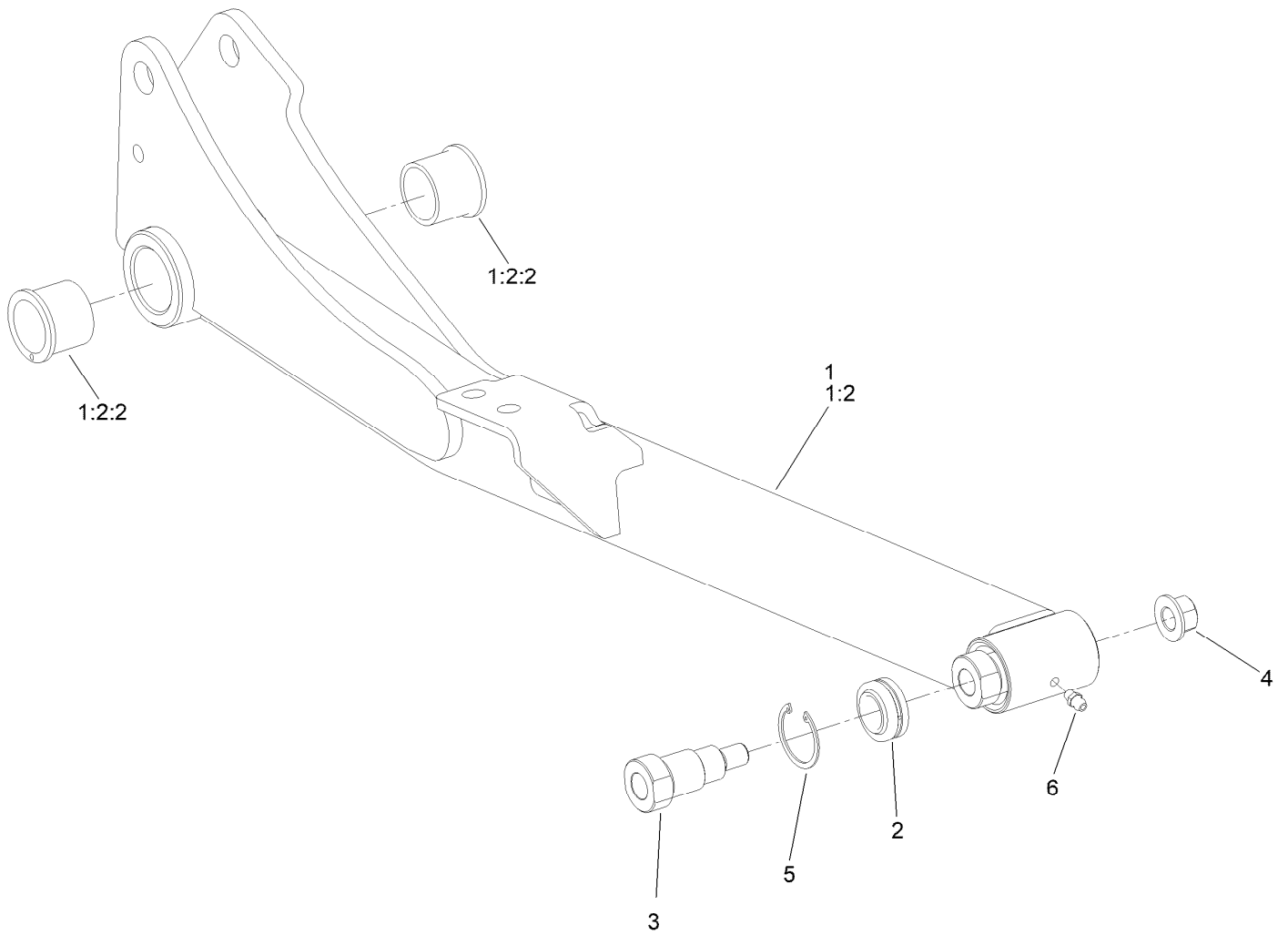


# LH Lift Arm Assembly No. 144-3943 (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|-------------|--------------------|-------------|--------------------|
| 1           |                    | 1           | Lift Arm ASM, LH ● | 4           | 139-0910           | 1           | Bolt-Shoulder      |
| 1:2         |                    | 1           | Hub-ASM ●          | 5           | 99-5107            | 1           | Nut-HF Nylock      |
| 1:2:2       | 104-0015           | 2           | Bushing-Flange     | 6           | 302-5              | 1           | Fitting-Grease     |
| 2           | 105-7441           | 1           | Bearing-Spherical  | 7           | 139-0948           | 1           | Pad-Ride, Pin      |
| 3           | 32151-34           | 1           | Ring-Retaining     |             |                    |             |                    |

● Not serviced separately

# RH Lift Arm Assembly No. 144-3942

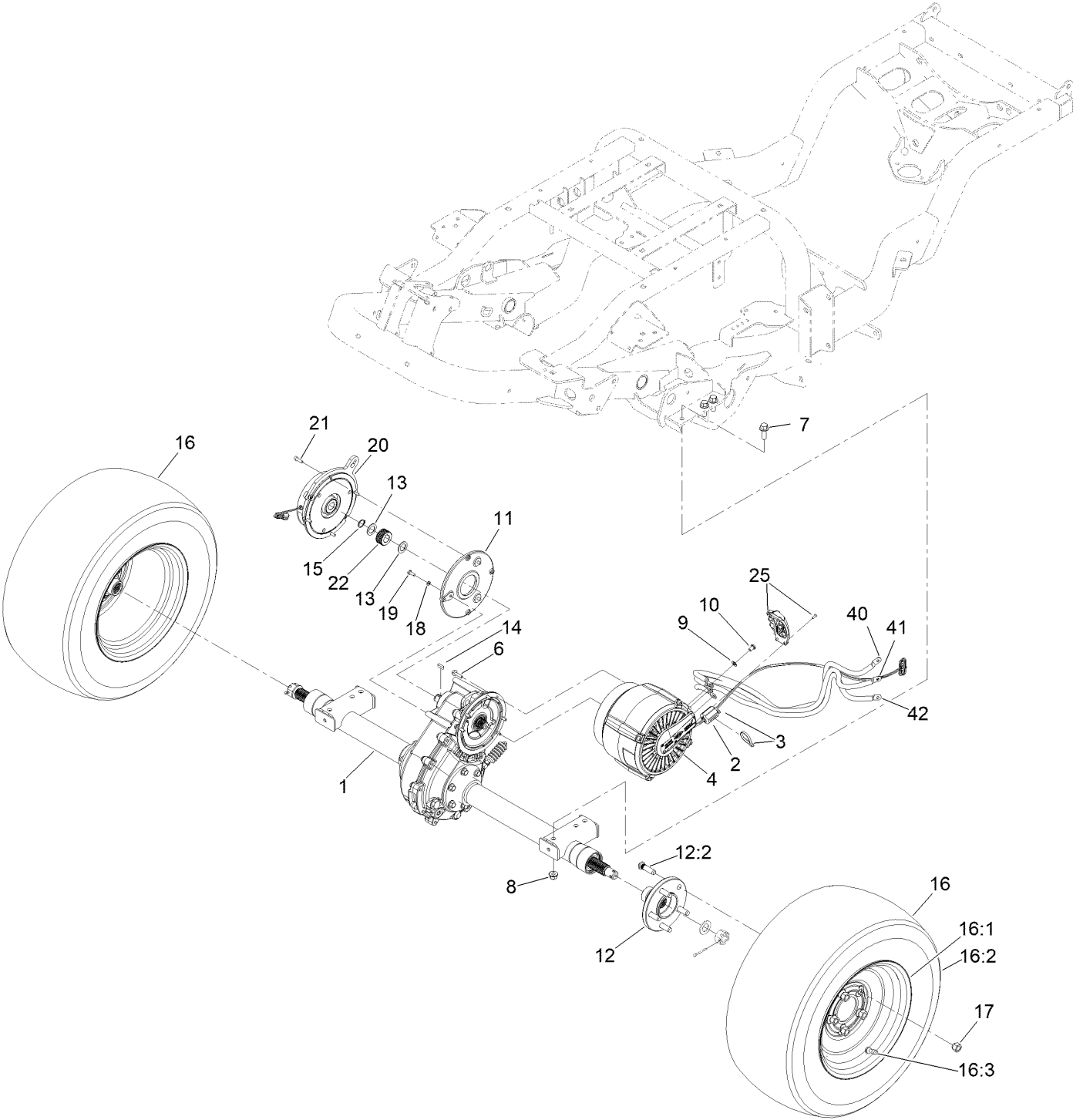


## RH Lift Arm Assembly No. 144-3942 (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|-------------|--------------------|-------------|--------------------|
| 1           |                    | 1           | Lift Arm ASM, RH ● | 3           | 139-0910           | 1           | Bolt-Shoulder      |
| 1:2         |                    | 1           | Hub-ASM ●          | 4           | 99-5107            | 1           | Nut-HF Nylock      |
| 1:2:2       | 104-0015           | 2           | Bushing-Flange     | 5           | 32151-34           | 1           | Ring-Retaining     |
| 2           | 105-7441           | 1           | Bearing-Spherical  | 6           | 302-5              | 1           | Fitting-Grease     |

● Not serviced separately

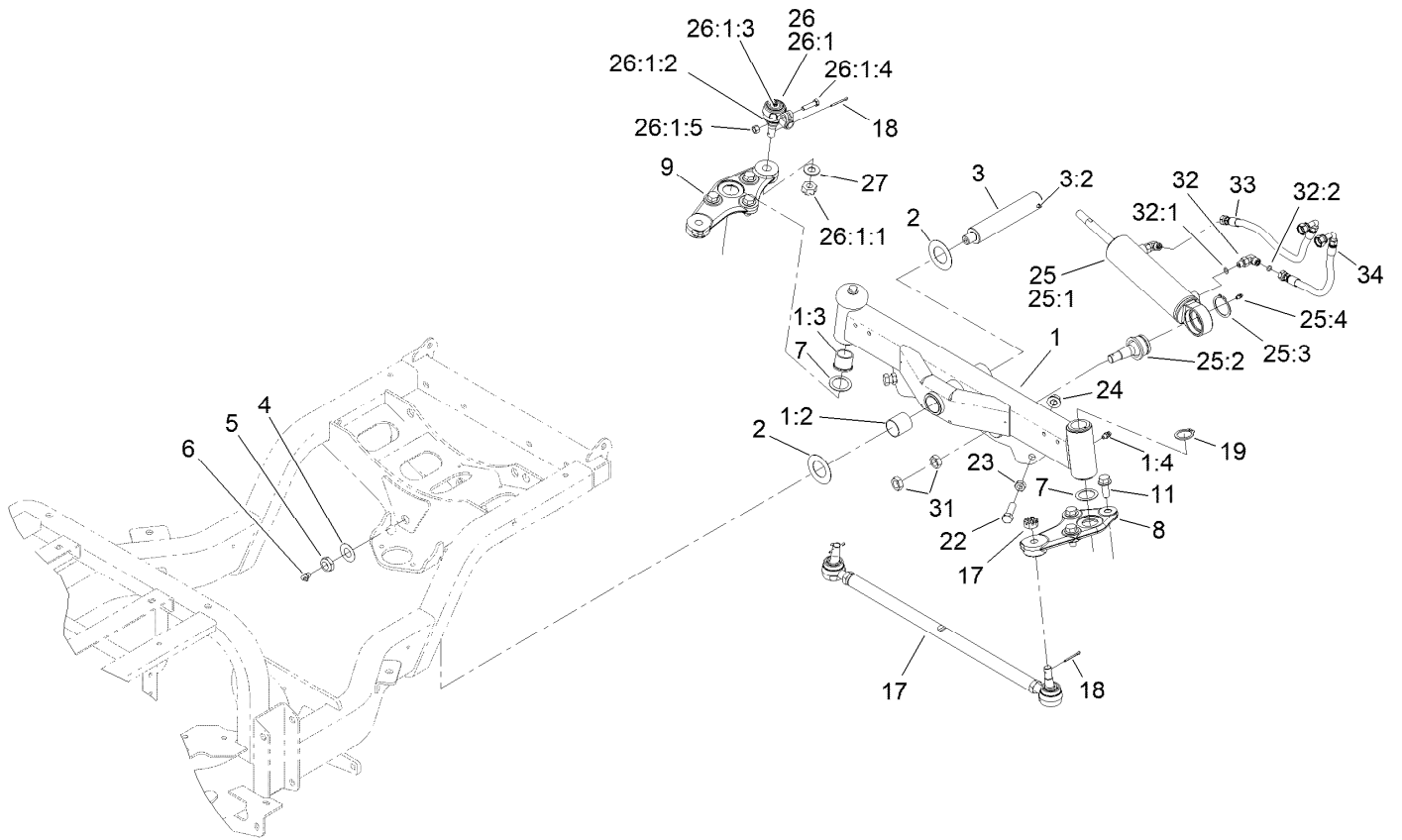
Axle, Wheel and Motor/Generator Assembly



## Axle, Wheel and Motor/Generator Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                    | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>    |
|-------------|--------------------|-------------|---------------------------------------|-------------|--------------------|-------------|-----------------------|
| 1           | 145-0905           | 1           | Schafer Axle ASM, 24E                 | 15          | 32120-15           | 1           | Ring-Snap, EXT        |
| 2           | 147-8183           | 1           | Ferrite, Snap-On                      | 16          | 137-2590           | 2           | Wheel ASM             |
| 3           | 3290-378           | 2           | Tie-Cable                             | 16:1        | 137-2594           | 1           | Tire                  |
| 4           | 161-7643SP         | 1           | Motor/Gen-48V, 9Kw                    | 16:2        | 137-2595           | 1           | Rim                   |
| 6           | 33103-025          | 6           | Screw-HHF                             | 16:3        | 232-27             | 1           | Stem-Valve            |
| 7           | 117-9035           | 6           | Screw-HHF                             | 17          | 139-2564           | 10          | Nut-Lug               |
| 8           | 144-2269           | 6           | Nut-Nylk,HF                           | 18          | 33093-00           | 3           | Washer-Flat           |
| 9           | 147-5054           | 3           | Washer-Belleville                     | 19          | 33113-016          | 3           | Screw-HH              |
| 10          | 147-5055           | 3           | Screw-HSBH                            | 20          | 145-1099           | 1           | Brake ASM, Electric   |
| 11          | 145-1132-0P        | 1           | Adapter-Brake [primed]                | 21          | 52-6290            | 4           | Screw-HSH             |
| 12          | 145-0938           | 2           | Wheel Hub ASM                         | 22          | 145-1134           | 1           | Hub-Splined           |
| 12:2        | 10-6830            | 5           | Stud-Type, Drive                      | 25          | 147-2120           | 1           | Kit-Terminal Cover    |
| 13          | 145-1139           | 2           | Washer-Poly                           | 40          | 122-2709           | 1           | Cable-Battery, Rd ASM |
| 14          | MSC15592           | 1           | Key-Square,6 MM X 20MM,<br>Din 6885-A | 41          | 122-2710           | 1           | Cable-Battery, Rd ASM |
|             |                    |             |                                       | 42          | 122-2711           | 1           | Cable-Battery, Rd ASM |

# Rear Axle Assembly

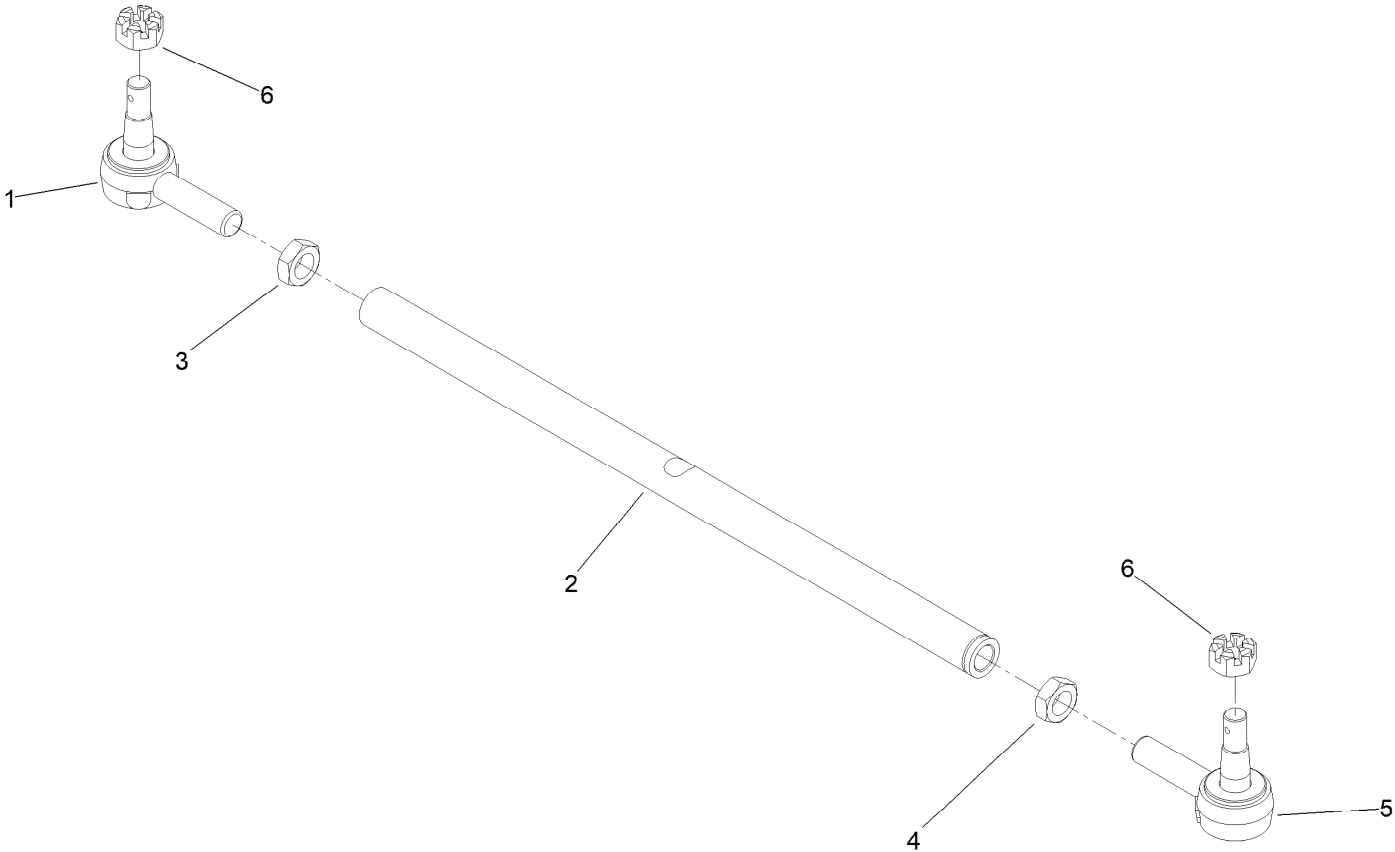


## Rear Axle Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>       | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>       |
|-------------|--------------------|-------------|--------------------------|-------------|--------------------|-------------|--------------------------|
| 1           | 161-2404           | 1           | Axle ASM                 | 25          | 161-5117           | 1           | Steering Cylinder ASM    |
| 1:2         | 99-6964            | 2           | Bushing-Axle             | 25:1        | 139-6277           | 1           | Steering Cylinder        |
| 1:3         | 104-0015           | 4           | Bushing-Flange           | 25:2        | 106-6774           | 1           | Joint-Ball               |
| 1:4         | 302-5              | 2           | Fitting-Grease           | 25:3        | 32151-104          | 1           | Ring-Retaining, External |
| 2           | 99-8432            | 2           | Washer-Thrust            | 25:4        | 302-5              | 1           | Fitting-Grease           |
| 3           | 140-6101           | 1           | Pin ASM-Axle Pivot       | 26          | 106-6895-03        | 1           | Ball Joint ASM           |
| 3:2         | 32121-32           | 1           | Pin-Roll                 | 26:1        |                    | 1           | Joint-Ball ●             |
| 4           | 71-4540            | 1           | Washer-Thrust            | 26:1:1      | 32136-13           | 1           | Nut-SHH                  |
| 5           | 3296-15            | 1           | Nut-Lock, NI             | 26:1:2      | 106-6896           | 1           | Seal                     |
| 6           | 302-33             | 1           | Fitting-Grease           | 26:1:3      | 302-5              | 1           | Fitting-Grease           |
| 7           | 76-2980            | 2           | Washer-Thrust            | 26:1:4      | 3210-7             | 1           | Screw-HH                 |
| 8           | 140-3144           | 1           | Link-Drag, LH            | 26:1:5      | 32152-5            | 1           | Nut-Hex                  |
| 9           | 140-3142           | 1           | Link-Drag, RH            | 27          | 69-8980            | 1           | Washer                   |
| 11          | 3234-38            | 6           | Screw-HHF                | 31          | 3220-6             | 2           | Nut-Jam                  |
| 17          | 144-3900           | 1           | Tie Rod ASM              | 32          | 340-132            | 2           | Fitting-Elbow, 90 DEG    |
| 18          | 3272-12            | 3           | Pin-Cotter               | 32:1        | 237-78             | 1           | O-Ring                   |
| 19          | 32151-77           | 2           | Ring-Retaining, External | 32:2        | 237-21             | 1           | O-Ring                   |
| 22          | 325-7              | 2           | Screw-HH                 | 33          | 115-0383           | 1           | Hose ASM                 |
| 23          | 3218-5             | 2           | Nut-Jam                  | 34          | 137-2584           | 1           | Hose ASM                 |
| 24          | 99-5107            | 2           | Nut-HF Nylock            |             |                    |             |                          |

● Not serviced separately

# Tie Rod Assembly No. 144-3900

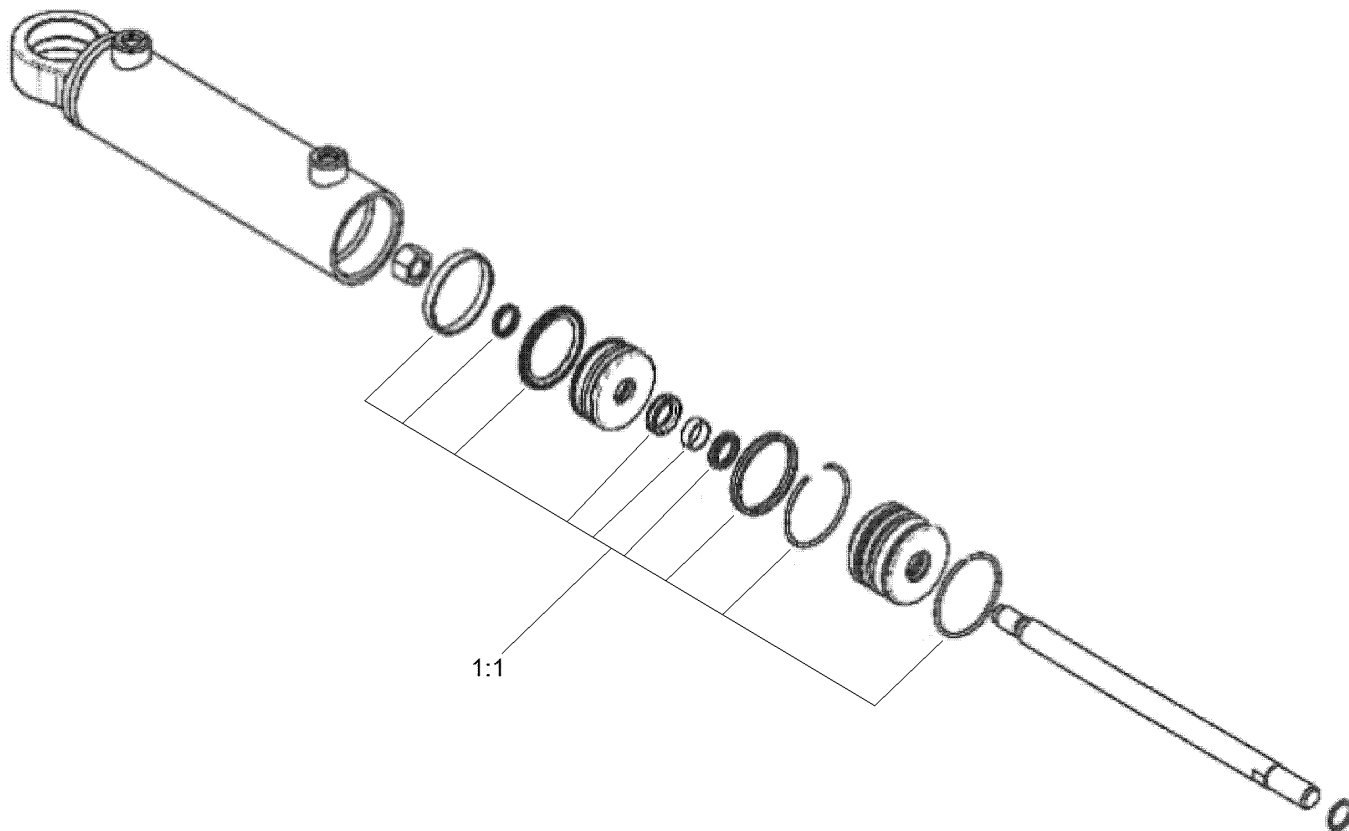


## Tie Rod Assembly No. 144-3900 (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | 144-3901           | 1           | End-Rod, Tie       |
| 2           | 133-6463           | 1           | Tie-Rod            |
| 3           | 84-5300            | 1           | Nut-Jam            |

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 4           | 110-5337           | 1           | Nut-Jam            |
| 5           | 144-3902           | 1           | End-Rod, Tie       |
| 6           | 140-6135           | 2           | Nut-Hex, Slotted   |

# Steering Cylinder Assembly No. 139-6277

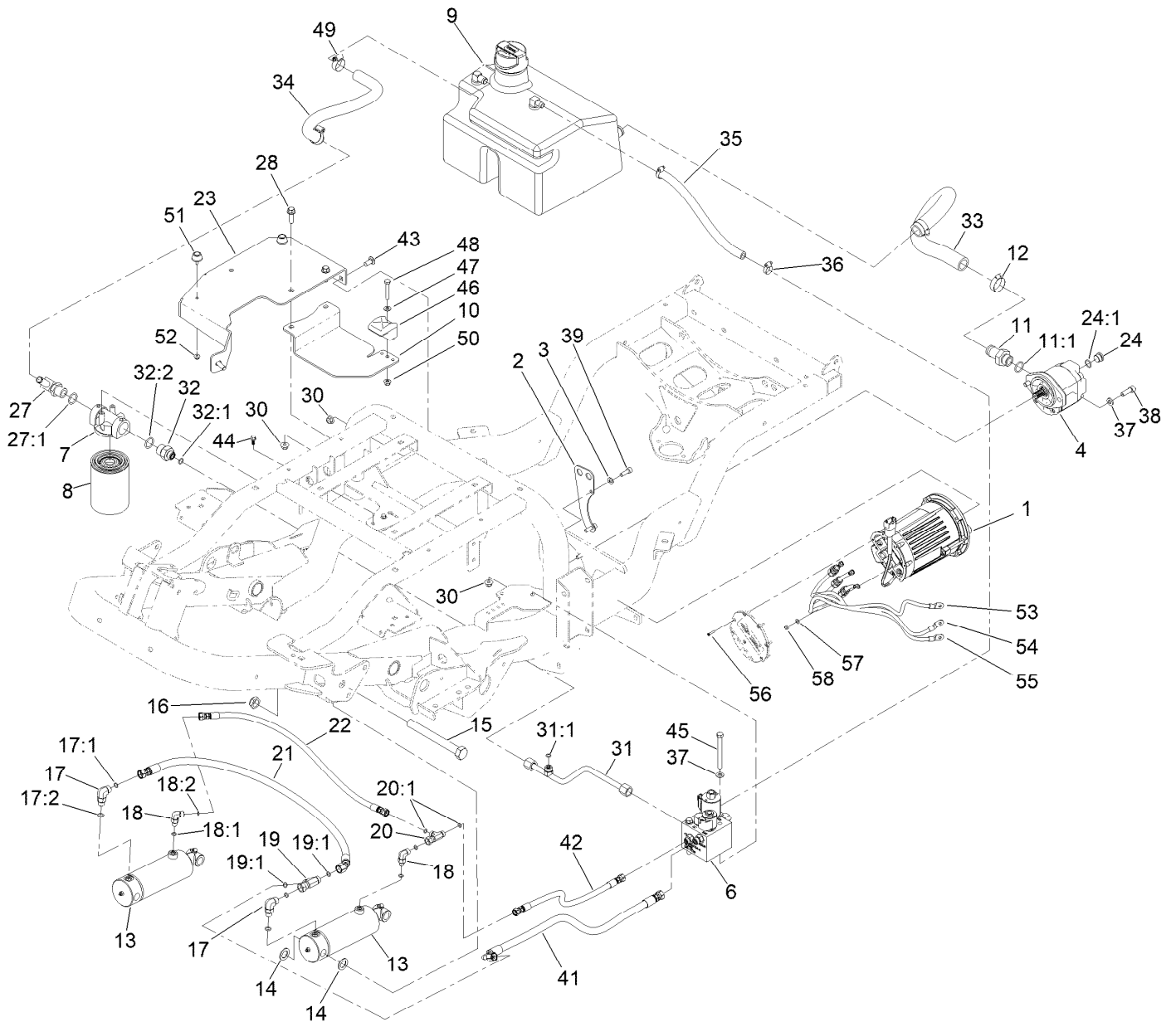


## Steering Cylinder Assembly No. 139-6277 (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1:1         | 140-3120           | 1           | Kit-Seal ●         |

● Not illustrated

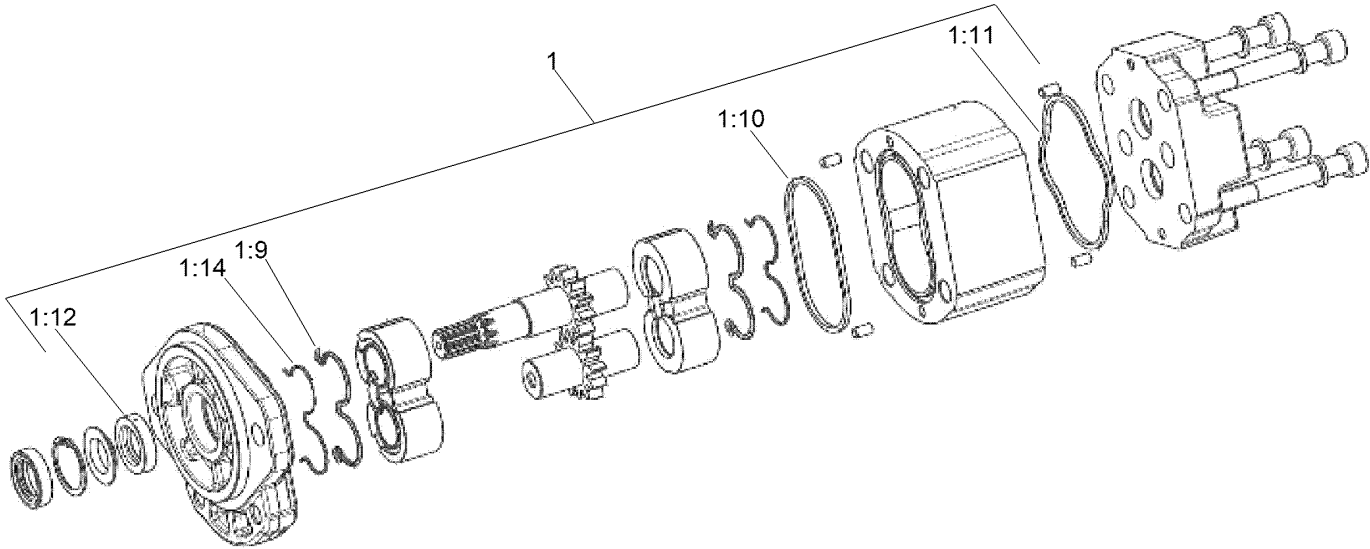
# Hydraulic Assembly



## Hydraulic Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>    |
|-------------|--------------------|-------------|-----------------------------------|-------------|--------------------|-------------|-----------------------|
| 1           | 145-0995SP         | 1           | *obs* Electric Motor,<br>Ashwoods | 27:1        | 237-81             | 1           | O-Ring                |
| 2           | 147-2054-0P        | 1           | Plate-Bulkhead                    | 28          | 119-4061           | 1           | Screw-HHF             |
| 3           | 33094-00           | 4           | Washer-Plain                      | 30          | 104-8301           | 6           | Nut-HF, NI            |
| 4           | 147-5115           | 1           | Pump-Gear                         | 31          | 145-1088           | 1           | Hydraulic Tube ASM    |
| 6           | 145-0939           | 1           | Manifold-Steering/Lift            | 31:1        | 237-42             | 1           | O-Ring                |
| 7           | 92-5821            | 1           | Head-Filter                       | 32          | 100-4240           | 1           | Fitting-STR           |
| 8           | 86-3010            | 1           | Filter-Oil                        | 32:1        | 237-30             | 1           | O-Ring                |
| 9           | 145-1053           | 1           | Tank ASM                          | 32:2        | 237-81             | 1           | O-Ring                |
| 10          | 145-0934-03        | 1           | Bracket-Tank, Hydraulic           | 33          | 145-1051           | 1           | Hose-Suction          |
| 11          | 99-3017            | 1           | Fitting                           | 34          | 145-1052           | 1           | Hose-Return           |
| 11:1        | 237-81             | 1           | O-Ring                            | 35          | 114-8438           | 1           | Hose-HYD              |
| 12          | 2412-34            | 2           | Clamp-Hose                        | 36          | 2412-36            | 2           | Clamp-Hose            |
| 13          | 139-0854           | 2           | Cylinder-Hydraulic                | 37          | 139-6293           | 4           | Washer                |
| 14          | 126-7888           | 4           | Washer-Nylon                      | 38          | AU862-10030        | 2           | Screw-HSH             |
| 15          | 328-23             | 2           | Screw-HH                          | 39          | 98-5828            | 4           | Screw-HSH             |
| 16          | HDW02059           | 2           | Nut-Hex                           | 41          | 145-1136           | 1           | Hose ASM              |
| 17          | 340-77             | 2           | Fitting-Elbow, 90 DEG             | 42          | 145-1135           | 1           | Hose ASM              |
| 17:1        | 237-22             | 1           | O-Ring                            | 43          | 3231-25            | 3           | Bolt-CARR             |
| 17:2        | 237-42             | 1           | O-Ring                            | 44          | 99-6810            | 2           | Screw-HHF             |
| 18          | 340-132            | 2           | Fitting-Elbow, 90 DEG             | 45          | 323-42             | 2           | Screw-HH              |
| 18:1        | 237-78             | 1           | O-Ring                            | 46          | 107-4543           | 1           | Clamp                 |
| 18:2        | 237-21             | 1           | O-Ring                            | 47          | 3256-23            | 1           | Washer-Plain          |
| 19          | 340-115            | 1           | Fitting-Tee                       | 48          | 322-10             | 1           | Screw-HH              |
| 19:1        | 237-22             | 2           | O-Ring                            | 49          | 2412-129           | 2           | Clamp-Hose            |
| 20          | 340-151            | 1           | Fitting-Tee                       | 50          | 104-8300           | 1           | Nut-HF, NI            |
| 20:1        | 237-21             | 2           | O-Ring                            | 51          | 109-2365           | 2           | Bumper-Rubber         |
| 21          | 137-5844           | 1           | Hose ASM                          | 52          | 104-7201           | 2           | Nut-HF, NI            |
| 22          | 137-5845           | 1           | Hose ASM                          | 53          | 122-2712           | 1           | Cable-Battery, Rd ASM |
| 23          | 145-1105-03        | 1           | Brkt-Storage Bin                  | 54          | 122-2713           | 1           | Cable-Battery, Rd ASM |
| 24          | 353-988            | 1           | Plug-Hex                          | 55          | 122-2714           | 1           | Cable-Battery, Rd ASM |
| 24:1        | 237-79             | 1           | O-Ring                            | 56          | 147-6042           | 6           | Screw-Tfh             |
| 27          | 117-3681           | 1           | Fitting-Elb 90                    | 57          | 1-303435           | 3           | Washer-Spring         |
|             |                    |             |                                   | 58          | HDW21408           | 3           | Nut-Hex               |

**Gear Pump Assembly No. 147-5115**



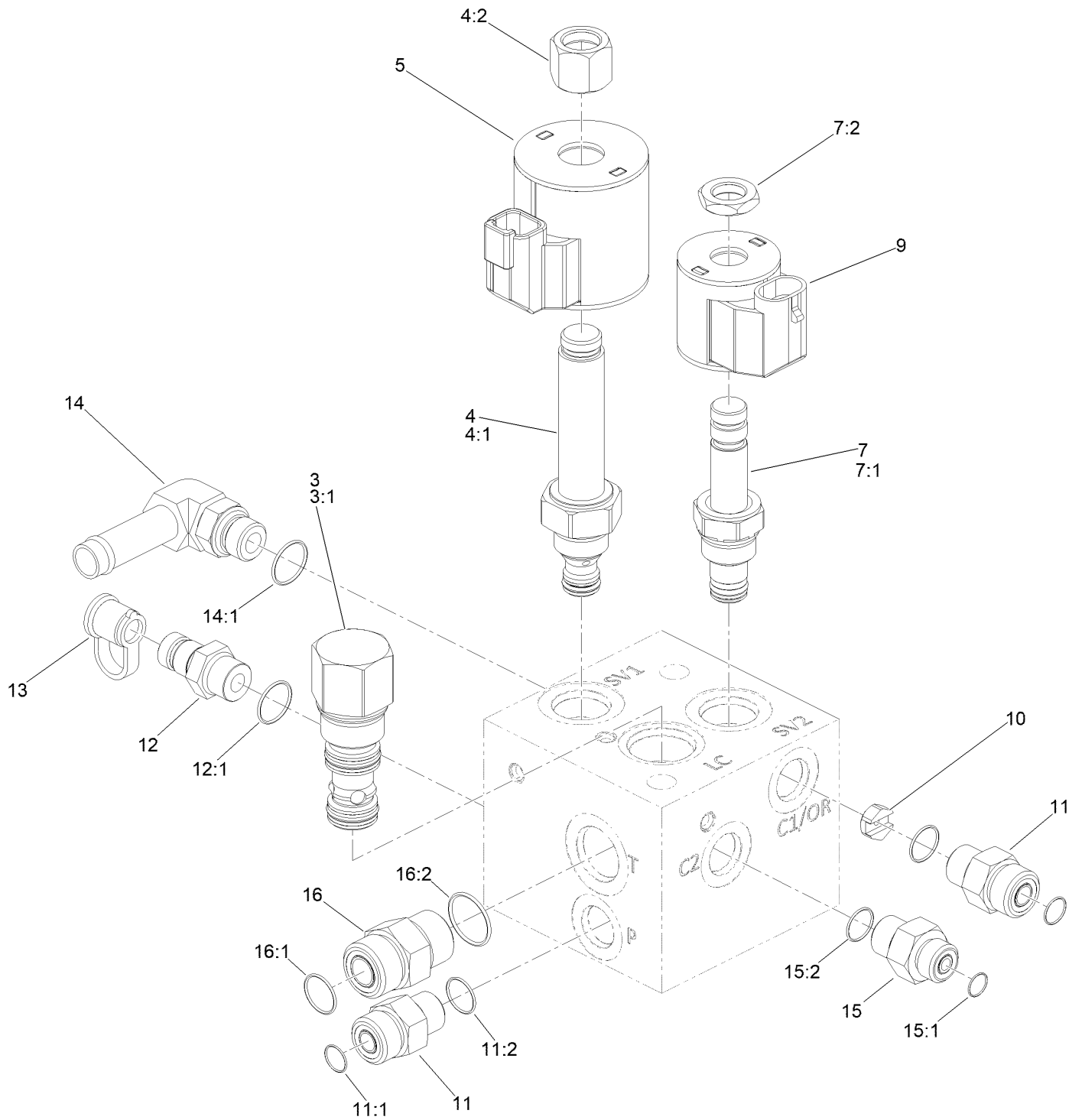
## Gear Pump Assembly No. 147-5115 (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | 139-6299           | 1           | Kit-Seal           |
| 1:9         |                    | 1           | Seal ●             |
| 1:10        |                    | 1           | Seal-Standard ●    |

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1:11        |                    | 1           | Seal-Square ●      |
| 1:12        |                    | 1           | Seal-Shaft ●       |
| 1:14        |                    | 1           | Anti Extrusion ●   |

● Not serviced separately

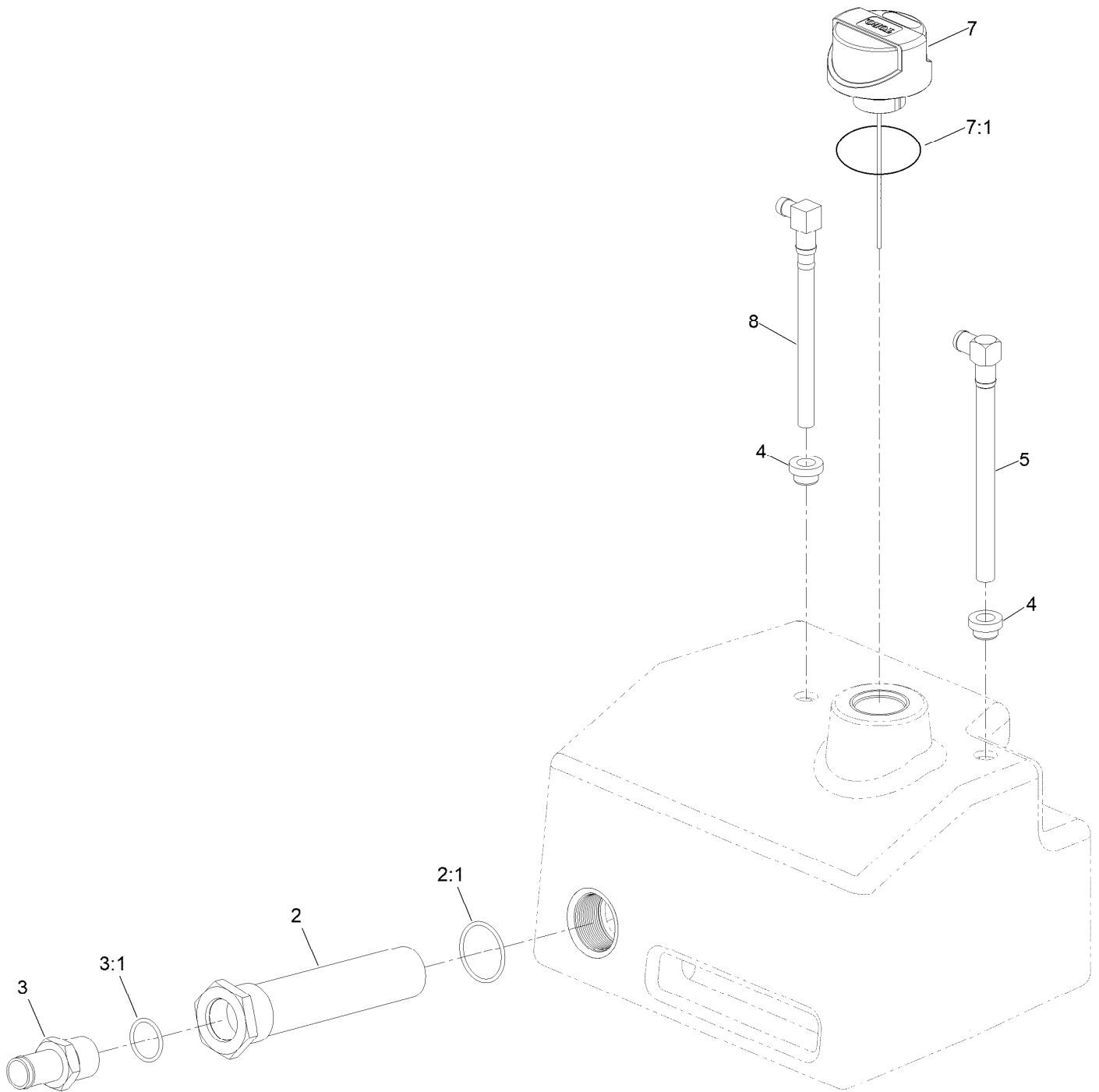
# Steering/Lift Manifold Assembly No. 145-0939



## Steering/Lift Manifold Assembly No. 145-0939 (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>         | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|----------------------------|-------------|--------------------|-------------|--------------------|
| 3           | 105-9153           | 1           | Element-Logic, Vented      | 11:2        | 237-42             | 1           | O-Ring             |
| 3:1         | 119-2159           | 1           | Seal Kit                   | 12          | 59-7410            | 1           | Fitting-Diagnostic |
| 4           | 147-2117           | 1           | Valve-Relief, Proportional | 12:1        | 237-42             | 1           | O-Ring             |
| 4:1         | 126-9388           | 1           | Seal Kit                   | 13          | 354-79             | 1           | Cap-Dust           |
| 4:2         | 130-8180           | 1           | Nut-Coil (9/16-24 Unef-2B) | 14          | 109-6449           | 1           | Fitting-Elbow, 90  |
| 5           | 119-4619           | 1           | Coil-Solenoid              | 14:1        | 237-42             | 1           | O-Ring             |
| 7           | 112-9206           | 1           | Solenoid Valve ASM         | 15          | 340-1              | 1           | Fitting-Straight   |
| 7:1         | 105-9156           | 1           | Seal Kit                   | 15:1        | 237-21             | 1           | O-Ring             |
| 7:2         | 110-2634           | 1           | Nut-Coil                   | 15:2        | 237-42             | 1           | O-Ring             |
| 9           | 110-0497           | 1           | Coil-Solenoid              | 16          | 340-4              | 1           | Fitting-Straight   |
| 10          | 139-6296           | 1           | Orifice-Check 0.100 DIA    | 16:1        | 237-30             | 1           | O-Ring             |
| 11          | 340-2              | 2           | Fitting-Straight           | 16:2        | 237-79             | 1           | O-Ring             |
| 11:1        | 237-22             | 1           | O-Ring                     |             |                    |             |                    |

# Hydraulic Tank Assembly N0. 145-1053

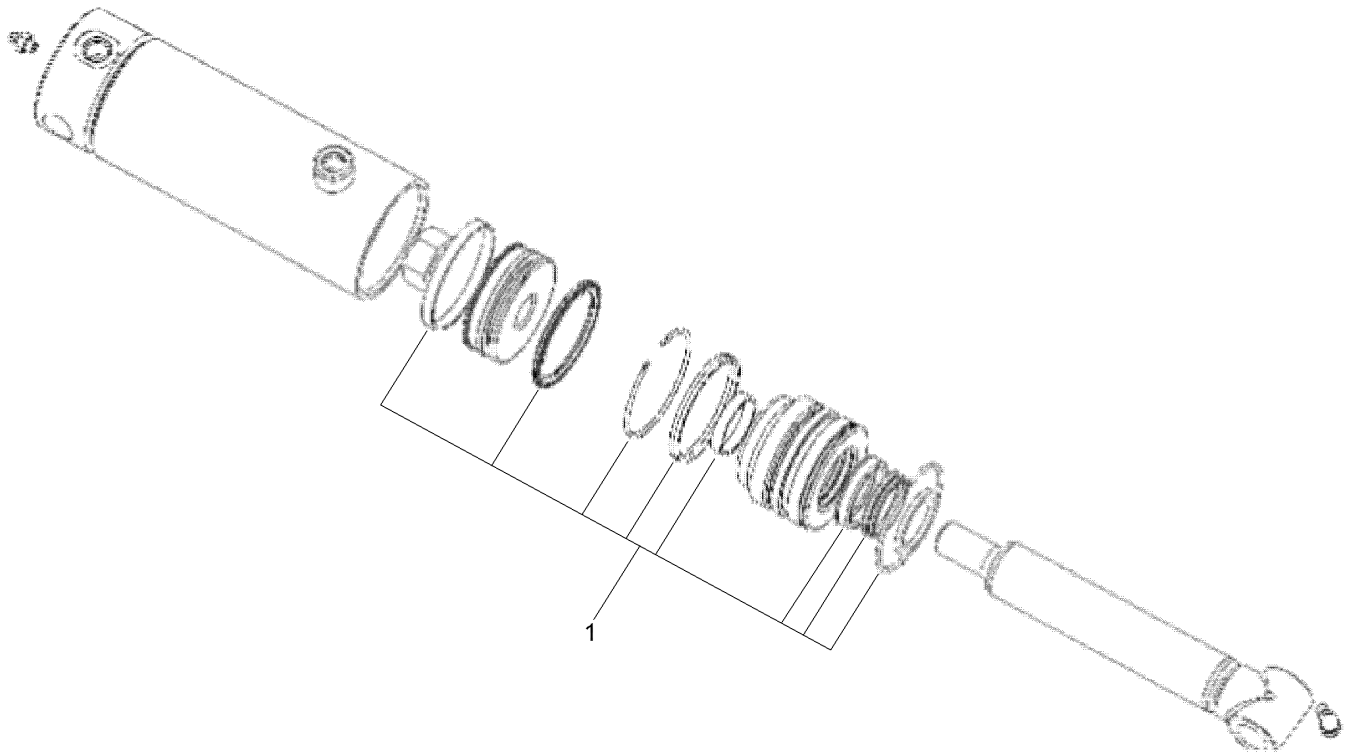


## Hydraulic Tank Assembly N0. 145-1053 (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 2           | 115-2230           | 1           | Strainer-In Tank   |
| 2:1         | 340-136            | 1           | O-Ring             |
| 3           | 354-78             | 1           | Fitting-STR        |
| 3:1         | 237-146            | 1           | O-Ring             |
| 4           | 104-0790           | 2           | Bushing            |

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>   |
|-------------|--------------------|-------------|----------------------|
| 5           | 132-1384           | 1           | Tube-Drop            |
| 7           | 147-5070           | 1           | Cap-Filler, Breather |
| 7:1         | 237-101            | 1           | O-Ring               |
| 8           | 104-0791           | 1           | Pipe-Stand           |

# Hydraulic Cylinder No. 139-0854

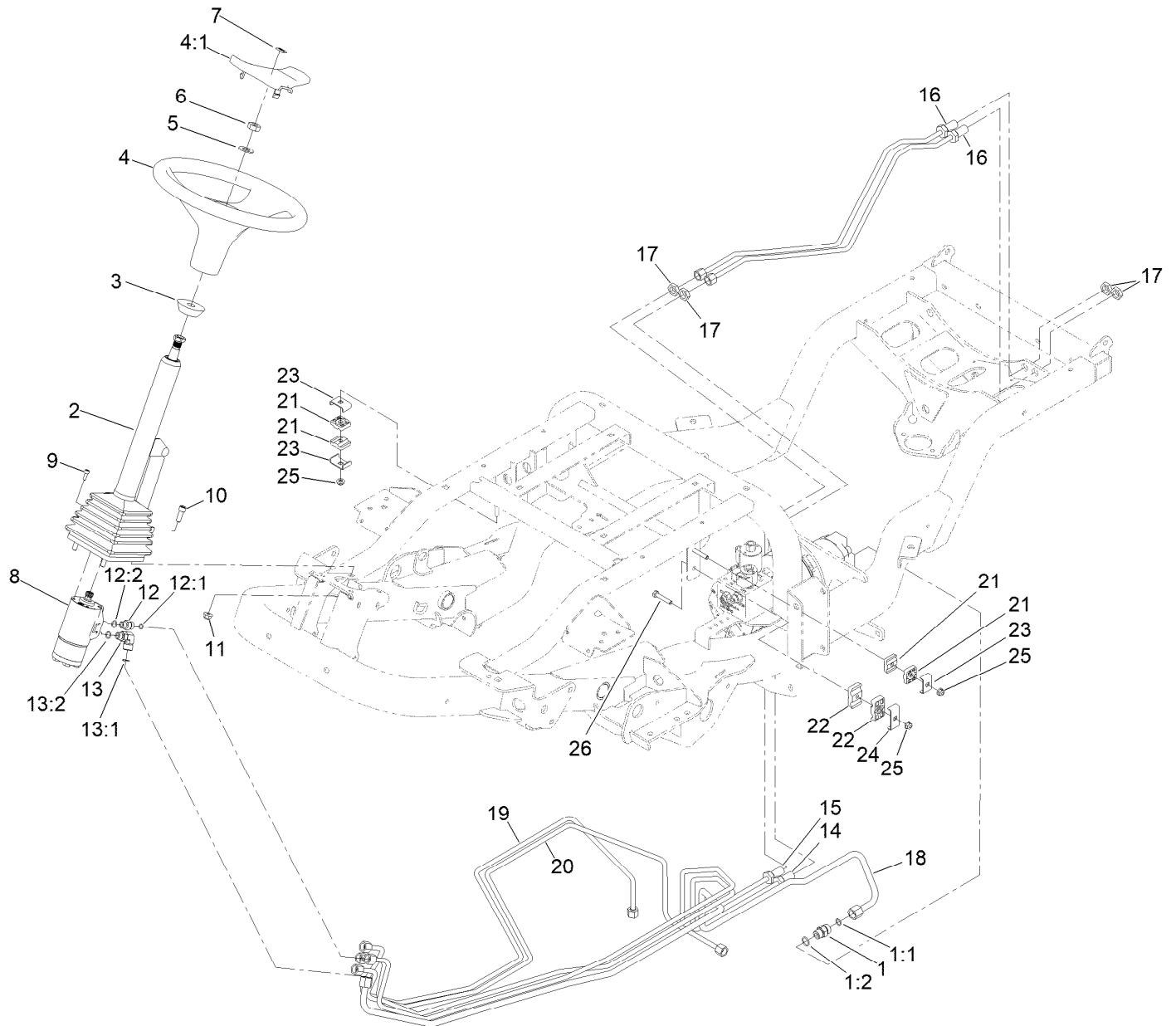


## Hydraulic Cylinder No. 139-0854 (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | 140-3110           | 1           | Kit-Seal ●         |

● Not illustrated

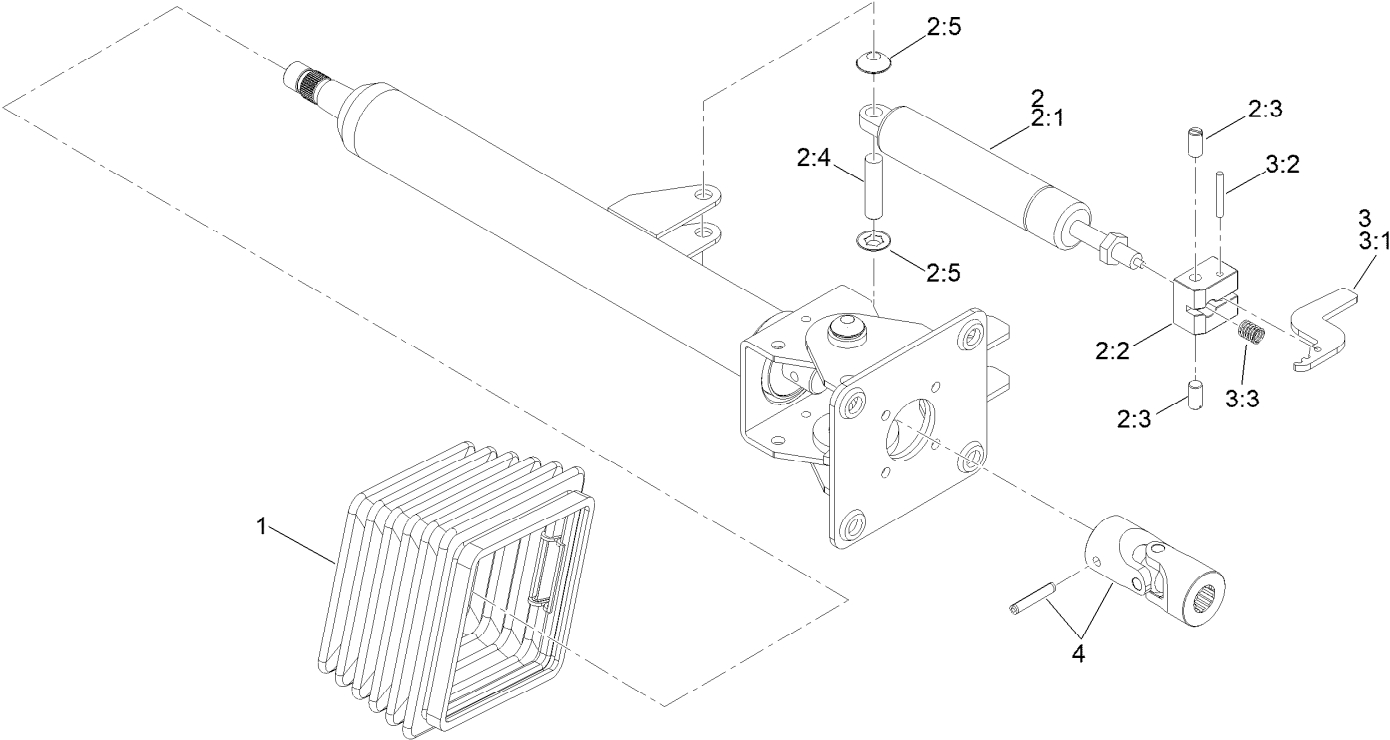
# Steering Assembly



## Steering Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>    | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>  |
|-------------|--------------------|-------------|-----------------------|-------------|--------------------|-------------|---------------------|
| 1           | 340-4              | 1           | Fitting-Straight      | 13          | 340-99             | 1           | Fitting-HYD, 90 DEG |
| 1:1         | 237-30             | 1           | O-Ring                | 13:1        | 237-30             | 1           | O-Ring              |
| 1:2         | 237-79             | 1           | O-Ring                | 13:2        | 237-42             | 1           | O-Ring              |
| 2           | 139-0857           | 1           | Column-Steering, Tilt | 14          | 147-2050           | 1           | Hydraulic Line ASM  |
| 3           | 93-5429            | 1           | Collar-Foam           | 15          | 147-2052           | 1           | Hydraulic Line ASM  |
| 4           | 98-1471            | 1           | Wheel-Steering        | 16          | 147-2051           | 2           | Hydraulic Line ASM  |
| 4:1         | 98-1468            | 1           | Cover-Wheel, Steering | 17          | 340-70             | 4           | Nut-Lock            |
| 5           | 3256-27            | 1           | Washer-Flat           | 18          | 147-2055           | 1           | Hydraulic Line ASM  |
| 6           | 3296-33            | 1           | Nut-Lock, NI          | 19          | 147-2057           | 1           | Hydraulic Line ASM  |
| 7           | 98-1459            | 1           | Decal                 | 20          | 147-2058           | 1           | Hydraulic Line ASM  |
| 8           | 114-8119           | 1           | Steering Valve ASM    | 21          | 56-7973            | 4           | Clamp-Tube          |
| 9           | 105-2409           | 4           | Screw-HSH             | 22          | 56-7976            | 2           | Clamp-Tube          |
| 10          | 3274-7             | 4           | Screw-HSH             | 23          | 119-1418           | 3           | Plate-Clamp, Short  |
| 11          | 104-8301           | 4           | Nut-HF, NI            | 24          | 119-1419           | 1           | Plate-Clamp         |
| 12          | 340-2              | 4           | Fitting-Straight      | 25          | 104-8300           | 3           | Nut-HF, NI          |
| 12:1        | 237-22             | 1           | O-Ring                | 26          | 322-9              | 2           | Screw-HH            |
| 12:2        | 237-42             | 1           | O-Ring                |             |                    |             |                     |

Steering Column Assembly No. 139-0857



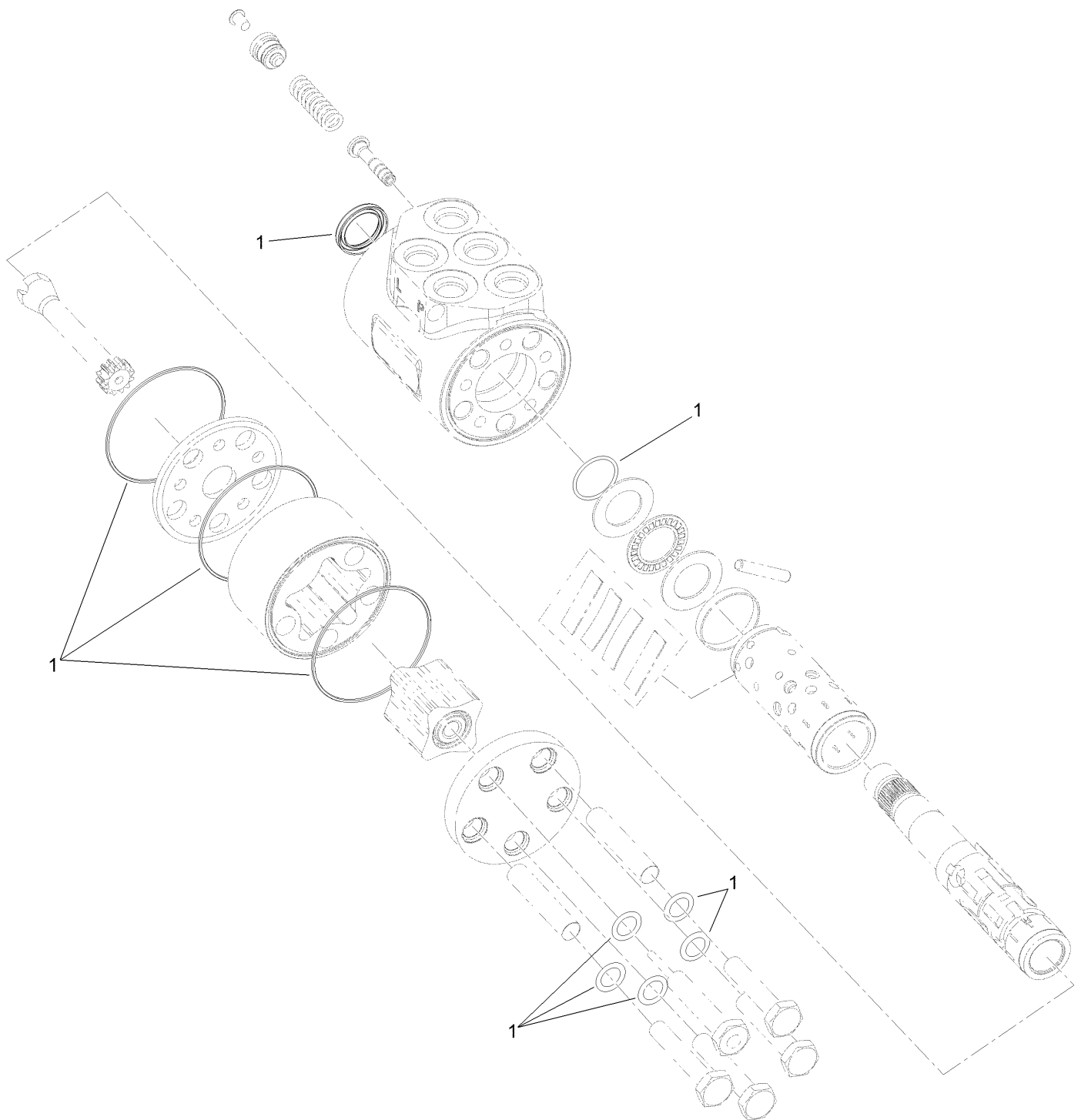
## Steering Column Assembly No. 139-0857 (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>   |
|-------------|--------------------|-------------|----------------------|
| 1           | 110-6462           | 1           | Bellows-Rubber       |
| 2           | 110-6463           | 1           | Cylinder Service Kit |
| 2:1         |                    | 1           | Cylinder-Gas ●       |
| 2:2         |                    | 1           | Block-Pedal ●        |
| 2:3         |                    | 2           | Bolt ●               |
| 2:4         |                    | 1           | Pin ●                |

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>  |
|-------------|--------------------|-------------|---------------------|
| 2:5         |                    | 2           | Washer-Lock ●       |
| 3           | 136-4385           | 1           | Pedal Service Kit   |
| 3:1         |                    | 1           | Pedal ●             |
| 3:2         |                    | 1           | Pin ●               |
| 3:3         |                    | 1           | Spring ●            |
| 4           | 120-6256           | 1           | Universal Joint Kit |

● Not serviced separately

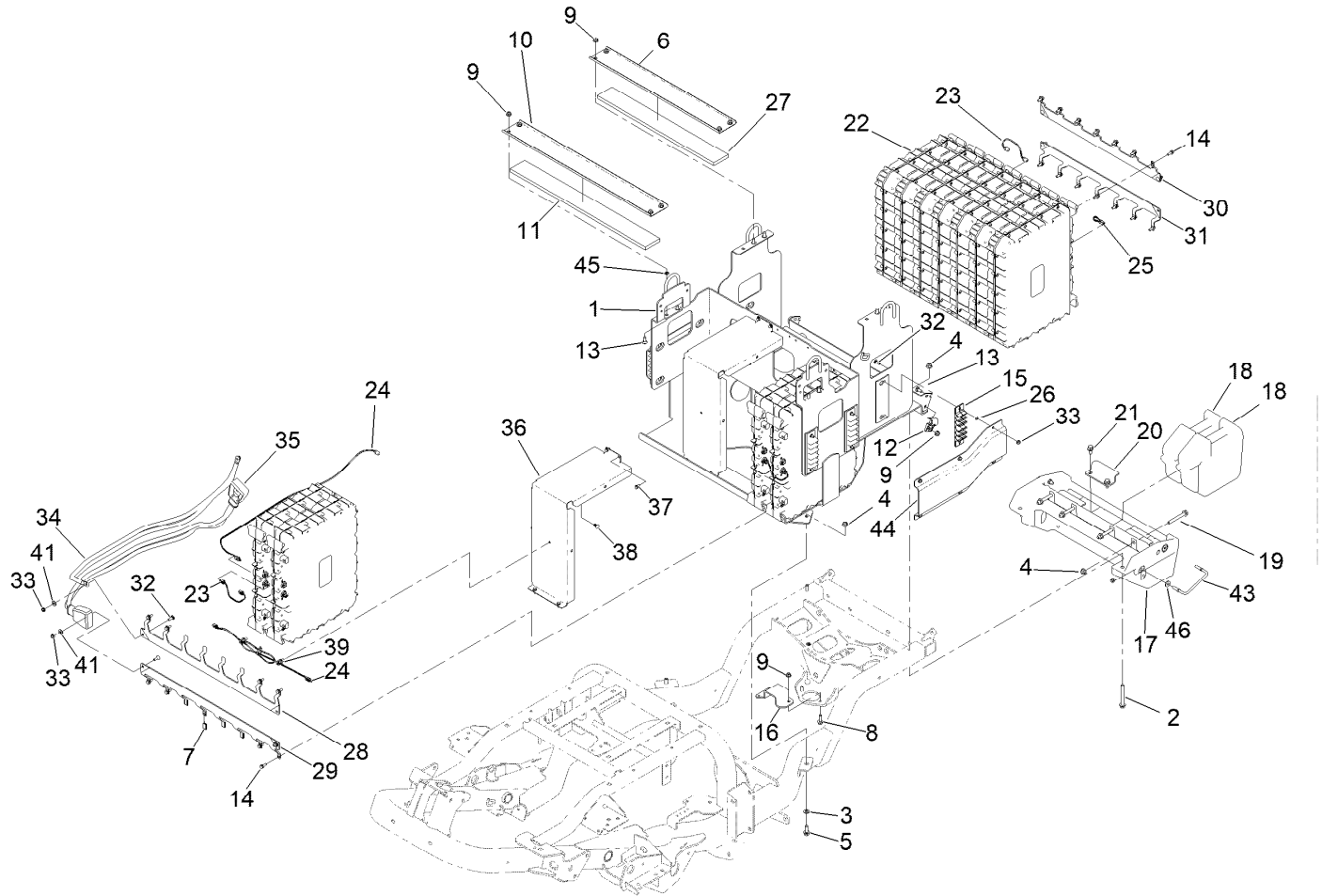
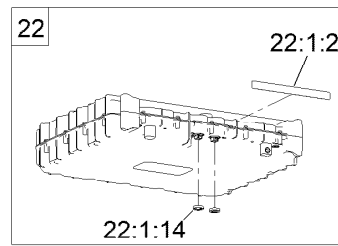
# Steering Valve Assembly No. 114-8119



## Steering Valve Assembly No. 114-8119 (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | 106-6716           | 1           | Seal Kit           |

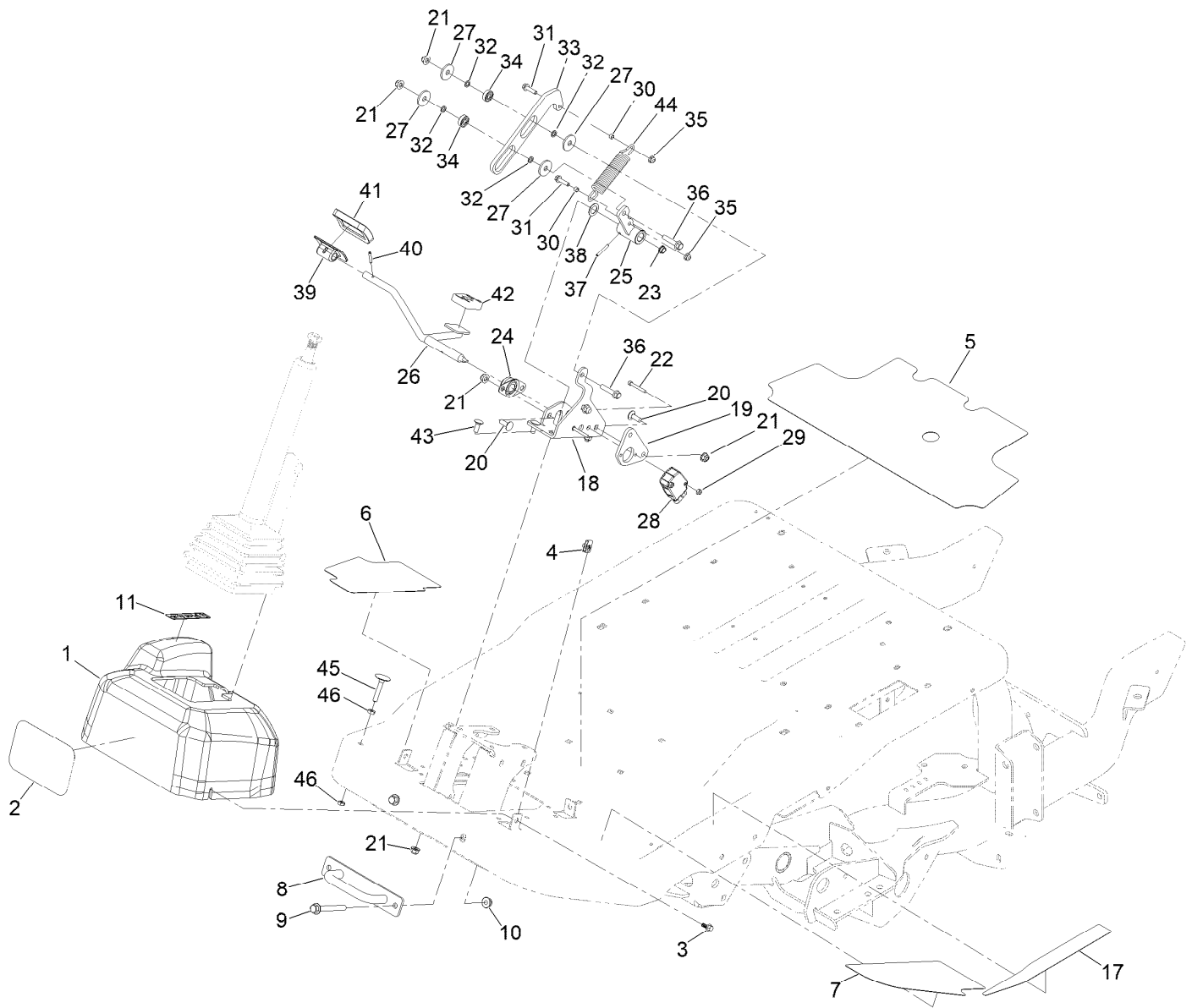
# Battery Assembly



## Battery Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>            | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                  |
|-------------|--------------------|-------------|-------------------------------|-------------|--------------------|-------------|-------------------------------------|
| 1           | 147-0105-03        | 1           | Tray-Battery                  | 23          | 140-9565           | 8           | Harness-Wire, Data Interface        |
| 2           | 3234-41            | 2           | Screw-HHF                     | 24          | 122-2412           | 2           | Harness-Wire,Data Interface,34.5 In |
| 3           | 3256-24            | 2           | Washer-Plain                  | 25          | 122-2323           | 1           | Harness-Wire, Can Terminator        |
| 4           | 104-8301           | 8           | Nut-HF, NI                    | 26          | 1-803037           | 12          | Nut-Retaining                       |
| 5           | 3234-42            | 2           | Screw-HHF                     | 27          | 147-5051           | 1           | Pad-Foam, Short                     |
| 6           | 147-2149-03        | 1           | Channel-Support, Short        | 28          | 147-2131           | 1           | Busbar-8, Bk                        |
| 7           | 147-5053           | 8           | Cap-Vinyl                     | 29          | 147-2132           | 1           | Busbar-8, Rd                        |
| 8           | 115-5142           | 2           | Screw-HHF, Patch              | 30          | 147-2133           | 1           | Busbar-7, Bk                        |
| 9           | 104-8300           | 16          | Nut-HF, NI                    | 31          | 147-2134           | 1           | Busbar-7, Rd                        |
| 10          | 147-2148-03        | 1           | Channel-Support, Long         | 32          | 1-807512           | 18          | Bolt-CARR                           |
| 11          | 147-5050           | 1           | Pad-Foam, Long                | 33          | 104-7201           | 18          | Nut-HF, NI                          |
| 12          | 145-6985           | 2           | Mount-Cable                   | 34          | 122-4038           | 1           | Cable-Battery Bk ASM                |
| 13          | 3230-23            | 10          | Bolt-CARR                     | 35          | 122-4039           | 1           | Cable-Battery Rd ASM                |
| 14          | 145-5783           | 22          | Screw-Sems                    | 36          | 147-5052-0P        | 2           | Case-Battery Spacer                 |
| 15          | 147-0197           | 6           | Guide-Cable                   | 37          | 32144-4            | 8           | Screw-HWH                           |
| 16          | 145-0977-03        | 1           | Bracket-Support               | 38          | 133-0875           | 2           | Rivet-Push                          |
| 17          | 147-3589SP         | 1           | Bumper-Rear                   | 39          | 32180-030          | 2           | Clip-Tie                            |
| 18          | 114-4096           | 2           | Weight                        | 41          | 3256-2             | 6           | Washer-Flat                         |
| 19          | 139-2429           | 4           | Screw-HHF                     | 43          | 161-2491           | 2           | Guide-Hose                          |
| 20          | 161-8910           | 3           | Bracket-Weight Retainer       | 44          | 147-0198           | 2           | Cover-Cable                         |
| 21          | 3234-1             | 6           | Screw-HHF                     | 45          | 109-5667           | 8           | Nut-Push                            |
| 22          | 145-5385           | 11          | Battery ASM                   | 46          | 88-7200            | 4           | Washer-Flat                         |
| 22:1:2      | 145-5338           | 1           | Decal-Warning, Battery        |             |                    |             |                                     |
| 22:1:14     | 32180-466          | 2           | Nut-Mounting, Jwpf Panel Lock |             |                    |             |                                     |

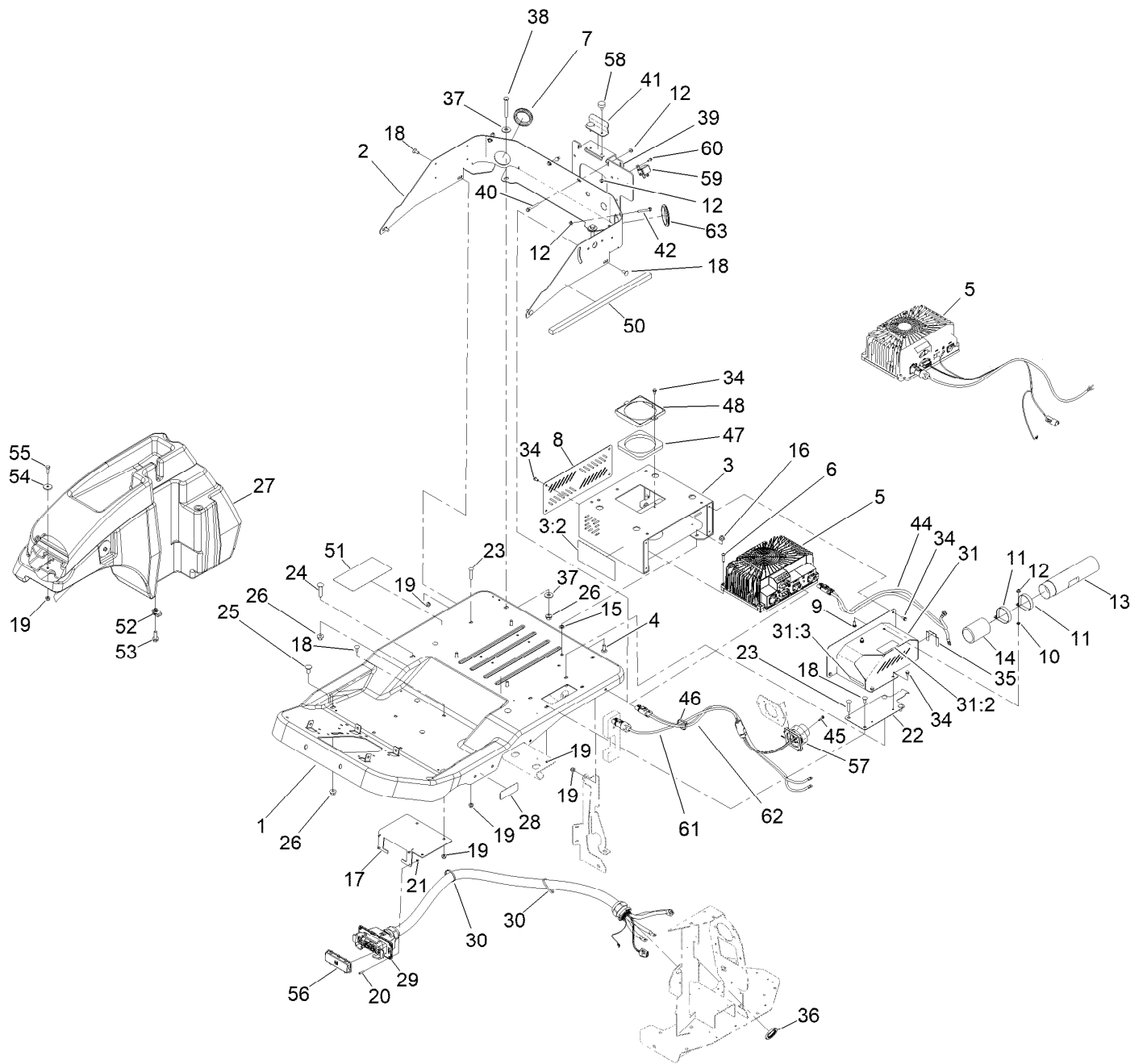
# Pedal Assembly



## Pedal Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>         | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|----------------------------|-------------|--------------------|-------------|--------------------|
| 1           | 145-1079           | 1           | Cover-Steering             | 27          | 107675             | 4           | Washer             |
| 2           | 105-1217           | 1           | Decal                      | 28          | 122-0917           | 1           | Sensor-Position    |
| 3           | 99-6810            | 4           | Screw-HHF                  | 29          | 3296-2             | 2           | Nut-Lock, NI       |
| 4           | 107069             | 4           | Clip                       | 30          | 121-2015           | 2           | Spacer             |
| 5           | 147-5071           | 1           | Tread-Foot, Main           | 31          | 120-4654           | 2           | Screw-HHF          |
| 6           | 139-0885           | 1           | Tread-Foot, Front RH       | 32          | 75-5470            | 4           | Spacer-Bearing     |
| 7           | 139-0886           | 1           | Tread-Foot, Front LH       | 33          | 145-1063           | 1           | Link-Connecting    |
| 8           | 138-0288           | 1           | Bracket-Down, Tie          | 34          | 251-259            | 2           | Bearing-Ball       |
| 9           | 3234-41            | 2           | Screw-HHF                  | 35          | 104-7201           | 2           | Nut-HF, NI         |
| 10          | 104-8301           | 2           | Nut-HF, NI                 | 36          | 115-1794           | 2           | Screw-HHF          |
| 11          | 140-1460           | 1           | Decal-Traction Pedal       | 37          | 32121-6            | 1           | Pin-Roll, Slotted  |
| 17          | 139-0859           | 1           | Tread-Foot, Side           | 38          | 137-2601           | 1           | Washer             |
| 18          | 145-0958-01        | 1           | Bracket-Traction Pedal     | 39          | 117-9507           | 1           | Pedal-Accelerator  |
| 19          | 145-0959-03        | 1           | Shim                       | 40          | 32121-45           | 1           | Pin-Spring         |
| 20          | 3230-10            | 4           | Bolt-CARR                  | 41          | 74-9100            | 1           | Pad-Pedal, Forward |
| 21          | 104-8300           | 10          | Nut-HF, NI                 | 42          | 74-9110            | 1           | Pad-Pedal, Reverse |
| 22          | 3274-59            | 2           | Screw-HSH                  | 43          | 3230-23            | 4           | Bolt-CARR          |
| 23          | 139-1525           | 1           | Bushing-Flanged Nylon      | 44          | 137-7944           | 1           | Spring-Extension   |
| 24          | 256-236            | 1           | Bearing-Mount, Flange      | 45          | 115-8240           | 1           | Screw-Elevator     |
| 25          | 145-0957-03        | 1           | Hub-Traction Pedal [black] | 46          | 3218-2             | 2           | Nut-Hex Jam        |
| 26          | 145-0953           | 1           | Traction Pedal             |             |                    |             |                    |

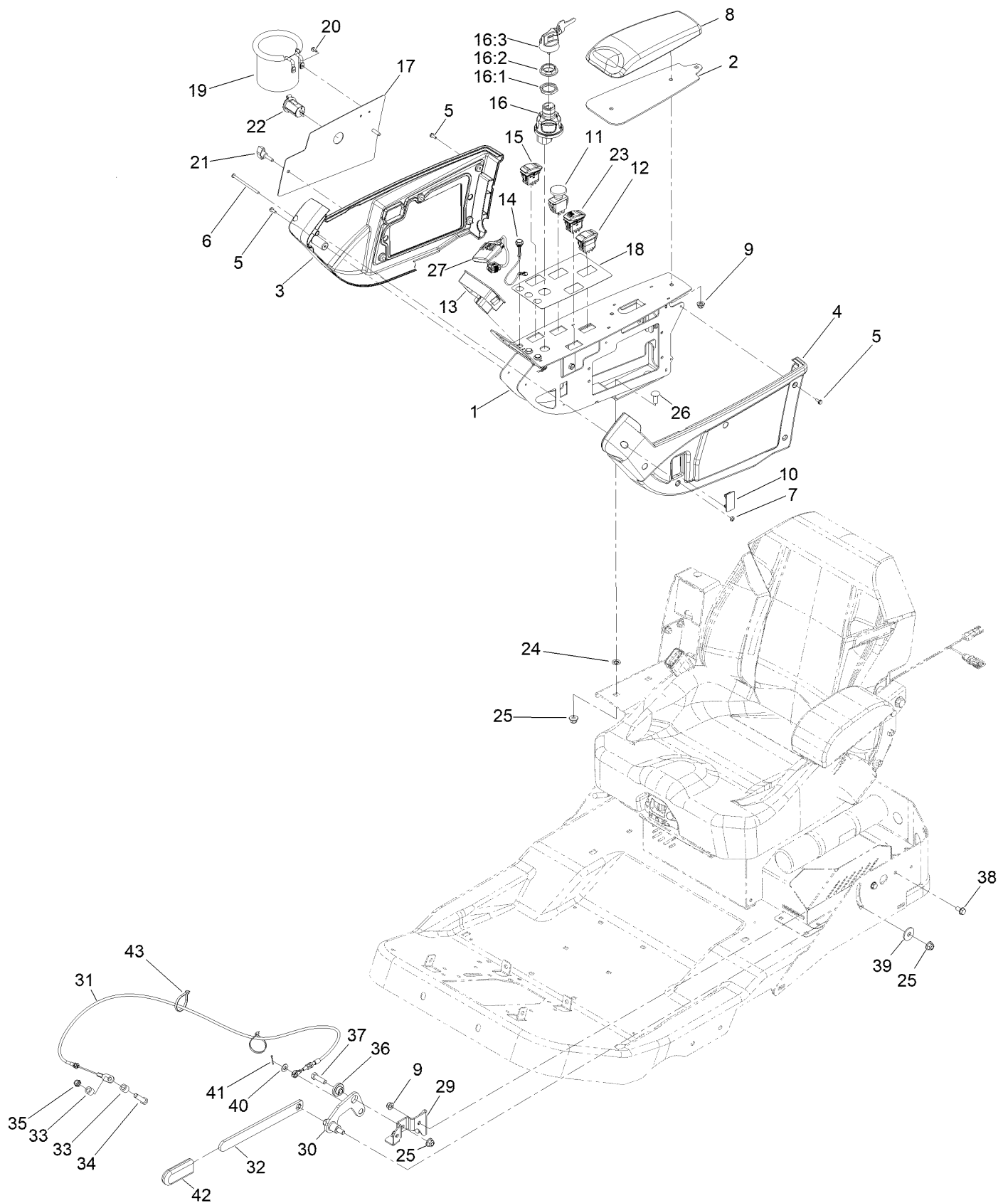
# Platform Assembly



## Platform Assemnly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                 | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>              |
|-------------|--------------------|-------------|------------------------------------|-------------|--------------------|-------------|---------------------------------|
| 1           | 144-4030-01        | 1           | Platform-Stamped                   | 31          | 161-7642           | 1           | Cover ASM                       |
| 2           | 161-5134-03        | 1           | Shield-Platform, Rear              | 31:2        | 161-2468           | 1           | Decal-Release, Brake            |
| 3           | 147-5144           | 1           | Seat Base ASM                      | 31:3        | 133-8061           | 1           | Decal-Warning                   |
| 3:2         | 139-6215           | 1           | Decal-Warning                      | 34          | 32144-4            | 9           | Screw-HWH                       |
| 4           | 3231-22            | 4           | Screw-CARR                         | 35          | 147-5147           | 3           | Trim                            |
| 5           | 145-5070           | 1           | Charger-Onboard,3.3Kw,Evse Capable | 36          | 32180-563          | 1           | Nut - Locknut, M40X1.5          |
| 6           | 132-6777           | 4           | Screw-Twh Thd Roll                 | 37          | 3256-40            | 4           | Washer-Flat                     |
| 7           | 240-12             | 1           | Grommet-Rubber                     | 38          | 324-12             | 2           | Screw-HH                        |
| 8           | 147-5139-01        | 1           | Plate-Cover, RH                    | 39          | 161-2489-03        | 1           | Mount-Controller                |
| 9           | 1-807512           | 2           | Bolt-CARR                          | 40          | 3234-34            | 2           | Screw-HHF                       |
| 10          | 104-8310           | 2           | Ring-Retaining                     | 41          | 161-7680           | 1           | Shield-Hood                     |
| 11          | 107-1865           | 2           | R-Clamp                            | 42          | 125-4287           | 2           | Screw-HHF                       |
| 12          | 104-7201           | 8           | Nut-HF, NI                         | 44          | 122-3390           | 1           | Harness-Wire, DC Charger        |
| 13          | 104-7050           | 1           | Tube-Manual                        | 45          | 100-4351           | 4           | Screw-HWH                       |
| 14          | 104-7048           | 1           | Cap-Housing                        | 46          | 3290-378           | 1           | Tie-Cable                       |
| 15          | 107-3154           | 4           | Nut-Push                           | 47          | 161-2462           | 1           | Foam-Baffle                     |
| 16          | 104-8301           | 4           | Nut-HF, NI                         | 48          | 161-2460-0P        | 1           | Baffle ASM, Welded              |
| 17          | 147-2073-0P        | 1           | Brkt-Connector                     | 50          | 139-6207           | 1           | Foam-Strip                      |
| 18          | 3230-23            | 9           | Bolt-CARR                          | 51          | 161-5125           | 1           | Decal-Service, Gm E3300         |
| 19          | 104-8300           | 14          | Nut-HF, NI                         | 52          | 140-1146           | 1           | Nut-Clip, U                     |
| 20          | 119-7444           | 4           | Screw-HSBH                         | 53          | 33105-030          | 1           | Screw-HHF                       |
| 21          | 140-3749           | 4           | Nut-Lock Rohs                      | 54          | 105-3048           | 1           | Washer-Flat                     |
| 22          | 147-2096-01        | 1           | Plate-Cover                        | 55          | 322-5              | 1           | Screw-HH                        |
| 23          | 116-0629           | 4           | Screw-CARR                         | 56          | 32180-636          | 1           | Cover-Harting, Han 24B, Plastic |
| 24          | 3232-5             | 2           | Screw-CARR                         | 57          | 122-4099           | 1           | Harness-Wire, Inlet, 60309      |
| 25          | 3232-1             | 2           | Screw-CARR                         | 58          | 138-2662           | 2           | Bumper-Rubber                   |
| 26          | 114-8417           | 6           | Nut-HF, NI                         | 59          | 122-3200           | 1           | Relay                           |
| 27          | 147-2093           | 1           | Storage Bin ASM                    | 60          | 32144-1            | 1           | Screw-Taptite                   |
| 28          | 106-9206           | 2           | Decal-Torque, Wheel                | 61          | 122-3467           | 1           | Harness-Wire, AC Inlet          |
| 29          | 122-2784           | 1           | Harness-Wire, Machine              | 62          | 122-3468           | 1           | Harness-Wire, DC Aux            |
| 30          | 3290-379           | 2           | Tie-Cable                          | 63          | 237-164            | 1           | Grommet                         |

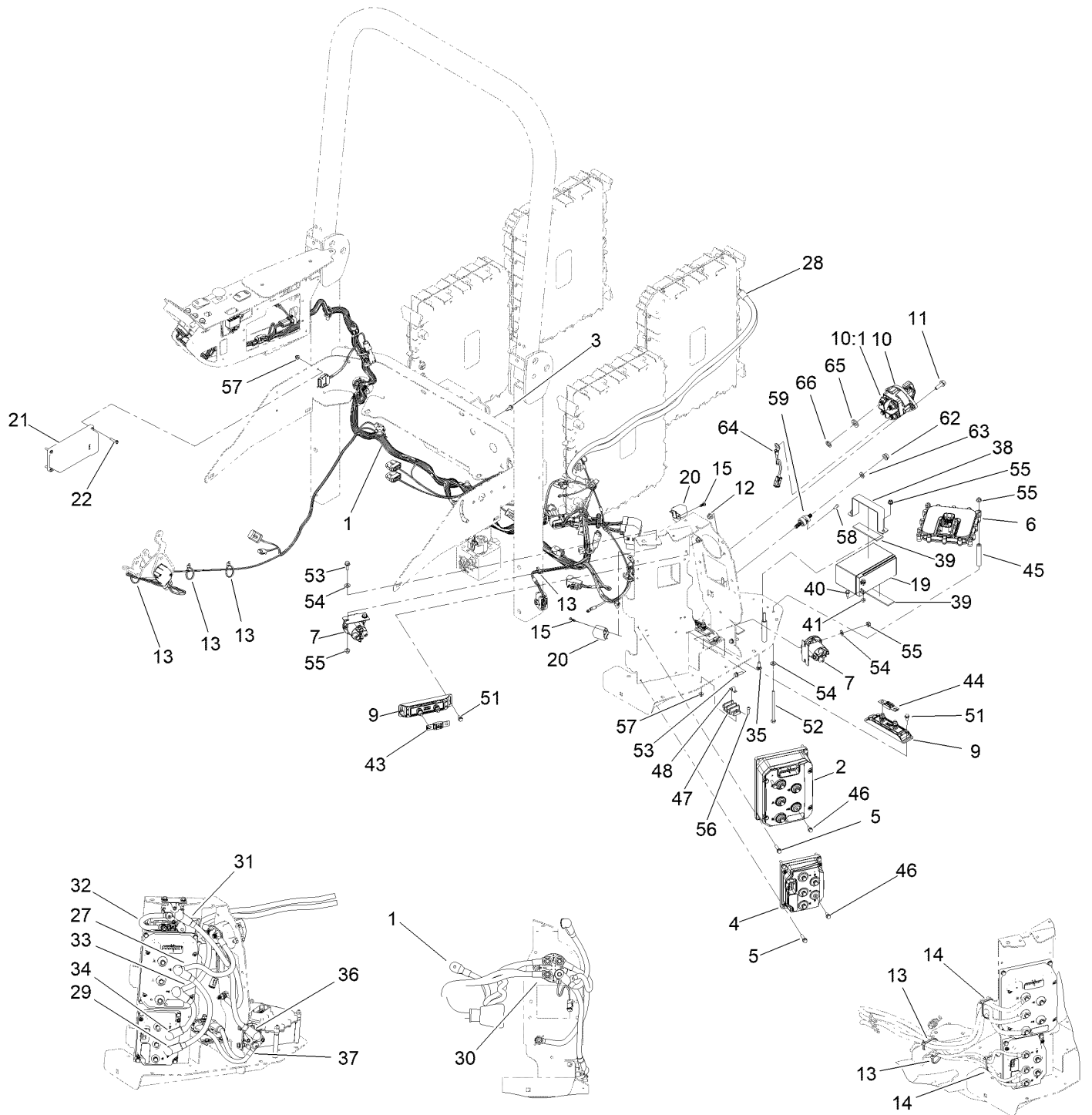
# Control Console Assembly



## Control Console Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>              | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>           |
|-------------|--------------------|-------------|---------------------------------|-------------|--------------------|-------------|------------------------------|
| 1           | 145-1040-03        | 1           | Panel ASM, Welded               | 21          | 126-5846           | 2           | Knob-T                       |
| 2           | 138-4548-03        | 1           | Plate-Spacer, Console Pad       | 22          | 140-7955           | 1           | Port-Power, USB              |
| 3           | 108-7605           | 1           | Cover-RH                        | 23          | 122-3518           | 1           | Switch-Rocker,<br>On-None-On |
| 4           | 108-7604           | 1           | Cover-LH                        | 24          | 107-3154           | 2           | Nut-Push                     |
| 5           | 32144-112          | 10          | Screw-HWH                       | 25          | 104-8301           | 4           | Nut-HF, NI                   |
| 6           | 3250-22            | 1           | Screw-PPH                       | 26          | 3231-22            | 2           | Screw-CARR                   |
| 7           | 3296-12            | 1           | Nut-Lock, NI                    | 27          | 119-4330           | 1           | Isolated Can Module ASM      |
| 8           | 131-9637           | 1           | Armrest-Quick Find              | 29          | 161-7620-03        | 1           | Bracket-Cable, Release       |
| 9           | 104-8300           | 4           | Nut-HF, NI                      | 30          | 161-7621-03        | 1           | Lever ASM, Release           |
| 10          | 99-7420            | 1           | Plug-Hole                       | 31          | 161-2467           | 1           | Cable-Release, Brake         |
| 11          | 93-9999            | 1           | Switch-PTO                      | 32          | 161-7627-0P        | 1           | Lever-Extension, Release     |
| 12          | 122-0304           | 1           | Switch-Rocker,<br>(On)-Off-(On) | 33          | 93-9847            | 2           | Spacer                       |
| 13          | 122-1201           | 1           | Module-Display                  | 34          | 323-8              | 1           | Screw-HH                     |
| 14          | 136-9678           | 3           | Cable Assy-Pushbutton           | 35          | 121-4600           | 1           | Nut-Hex                      |
| 15          | 122-2854           | 1           | Switch-Rocker, On-On-(On)       | 36          | 126-5989           | 1           | Pivot-Flange                 |
| 16          | 122-2513           | 1           | Switch-Ignition, Suns           | 37          | 323-7              | 1           | Screw-HH                     |
| 16:1        | 121-5160           | 1           | Nut-Hex                         | 38          | 3234-7             | 2           | Screw-HHF                    |
| 16:2        | 122-2704           | 1           | Nut-Face, M22 (Plastic)         | 39          | 93-8806            | 1           | Washer-Hardened              |
| 16:3        | 121-5162           | 1           | Set-Key, Ignition               | 40          | 107-0279           | 1           | Washer                       |
| 17          | 147-2144-03        | 1           | Cover ASM, Welded               | 41          | 3272-4             | 1           | Pin-Cotter                   |
| 18          | 147-2074           | 1           | Decal-Console                   | 42          | 119-1846           | 1           | Grip                         |
| 19          | 161-8355           | 1           | Cup Holder ASM                  | 43          | 3290-378           | 2           | Tie-Cable                    |
| 20          | 104-2065           | 2           | Screw-HWH                       |             |                    |             |                              |

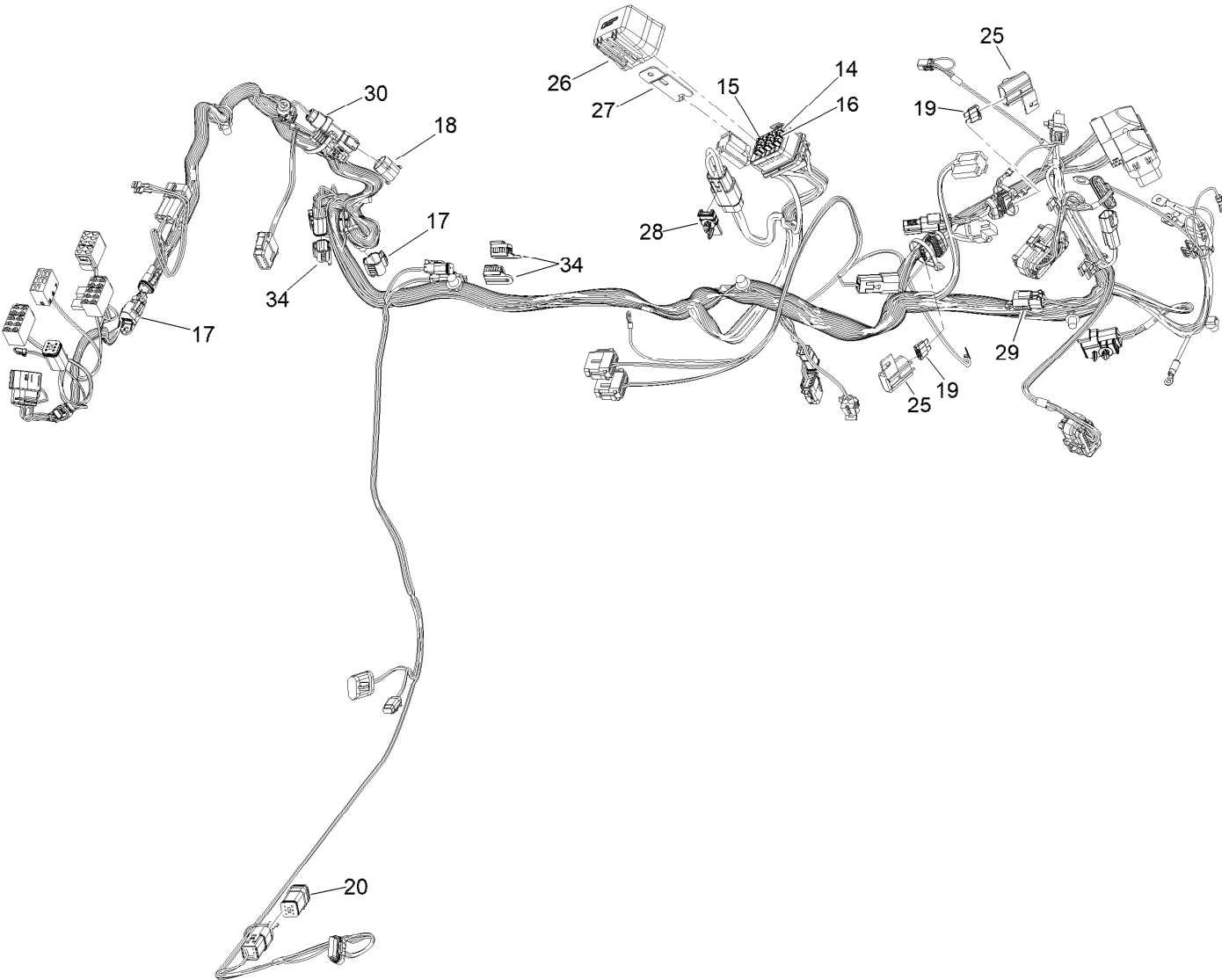
# Electrical Assembly



## Electrical Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                   | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                  |
|-------------|--------------------|-------------|--------------------------------------|-------------|--------------------|-------------|-------------------------------------|
| 1           | 122-3460           | 1           | Harness-Wire, Main Gme3300           | 35          | 1-807512           | 2           | Bolt-CARR                           |
| 2           | 147-5068           | 1           | Inv/Ctrlr-48V                        | 36          | 122-2697           | 1           | Cable-Battery, Rd ASM               |
| 3           | 32144-10           | 1           | Screw-HWH                            | 37          | 122-2699           | 1           | Cable-Battery, Rd ASM               |
| 4           | 145-7270           | 1           | Inv/Ctrlr-48V                        | 38          | 161-5066-0P        | 1           | Strap-Battery                       |
| 5           | 32144-86           | 8           | Screw-HWHTF                          | 39          | 161-5069           | 3           | Strip-Foam                          |
| 6           | 122-2498           | 1           | Controller                           | 40          | 120-4579           | 2           | Screw-HHF                           |
| 7           | 145-3542           | 2           | Contacto-DC, 12V                     | 41          | 120-4580           | 2           | Nut-HF                              |
| 9           | 145-4958           | 3           | Holder-Fuse                          | 43          | 122-2561           | 1           | Fuse-200A                           |
| 10          | 122-0603           | 1           | Switch-Disconnect                    | 44          | 122-2559           | 2           | Fuse-100 Amp                        |
| 10:1        | 33006-00           | 1           | Nut-HF                               | 45          | 161-5067           | 4           | Spacer                              |
| 11          | 3234-29            | 2           | Screw-HHF                            | 46          | 145-5782           | 10          | Screw-Sems                          |
| 12          | 104-8300           | 2           | Nut-HF, NI                           | 47          | 42862              | 1           | Block-Terminal, Ground              |
| 13          | 3290-378           | 6           | Tie-Cable                            | 48          | 42863              | 1           | Strip-Jumper                        |
| 14          | 3290-379           | 2           | Tie-Cable                            | 51          | 32144-4            | 6           | Screw-HWH                           |
| 15          | 120-6737           | 2           | Plug-Plastic                         | 52          | 321-24             | 4           | Screw-HH                            |
| 19          | 112-9621           | 1           | Battery-Wet, 12V 9Ah, Sealed W/Hrdwr | 53          | 120-9678           | 4           | Screw-HHF                           |
| 20          | 122-3199           | 2           | Relay - Dg57CM                       | 54          | 3256-22            | 8           | Washer-Flat                         |
| 21          | 161-9001           | 1           | Gateway-Telematics                   | 55          | 119-4040           | 10          | Nut-HF, NI                          |
| 22          | 106-9169           | 4           | Screw-HWH                            | 56          | 104-2408           | 2           | Screw-HSBH                          |
| 27          | 122-2903           | 1           | Cable-Battery, Bk ASM                | 57          | 138-0719           | 6           | Nut-HF                              |
| 28          | 122-4037           | 1           | Cable-Battery Bk ASM                 | 58          | 105-6849           | 2           | Screw-Forming, Thread               |
| 29          | 122-2690           | 1           | Cable-Battery, Bk ASM                | 59          | 122-2411           | 1           | Block-Junction, Black               |
| 30          | 122-2956           | 1           | Cable-Battery, Rd ASM                | 62          | 3290-357           | 2           | Nut-HSF                             |
| 31          | 122-2692           | 1           | Cable-Battery, Rd ASM                | 63          | 3253-21            | 2           | Washer-Lock                         |
| 32          | 122-2693           | 1           | Cable-Battery, Rd ASM                | 64          | 122-3326           | 1           | Harness-Wire, Battery Disconnect    |
| 33          | 122-2694           | 1           | Cable-Battery, Rd ASM                | 65          | 147-3238           | 4           | Washer-Flat                         |
| 34          | 122-2695           | 1           | Cable-Battery, Rd ASM                | 66          | HDW14457           | 4           | Split Lock Washer, 1/2, ST/ST, 18-8 |

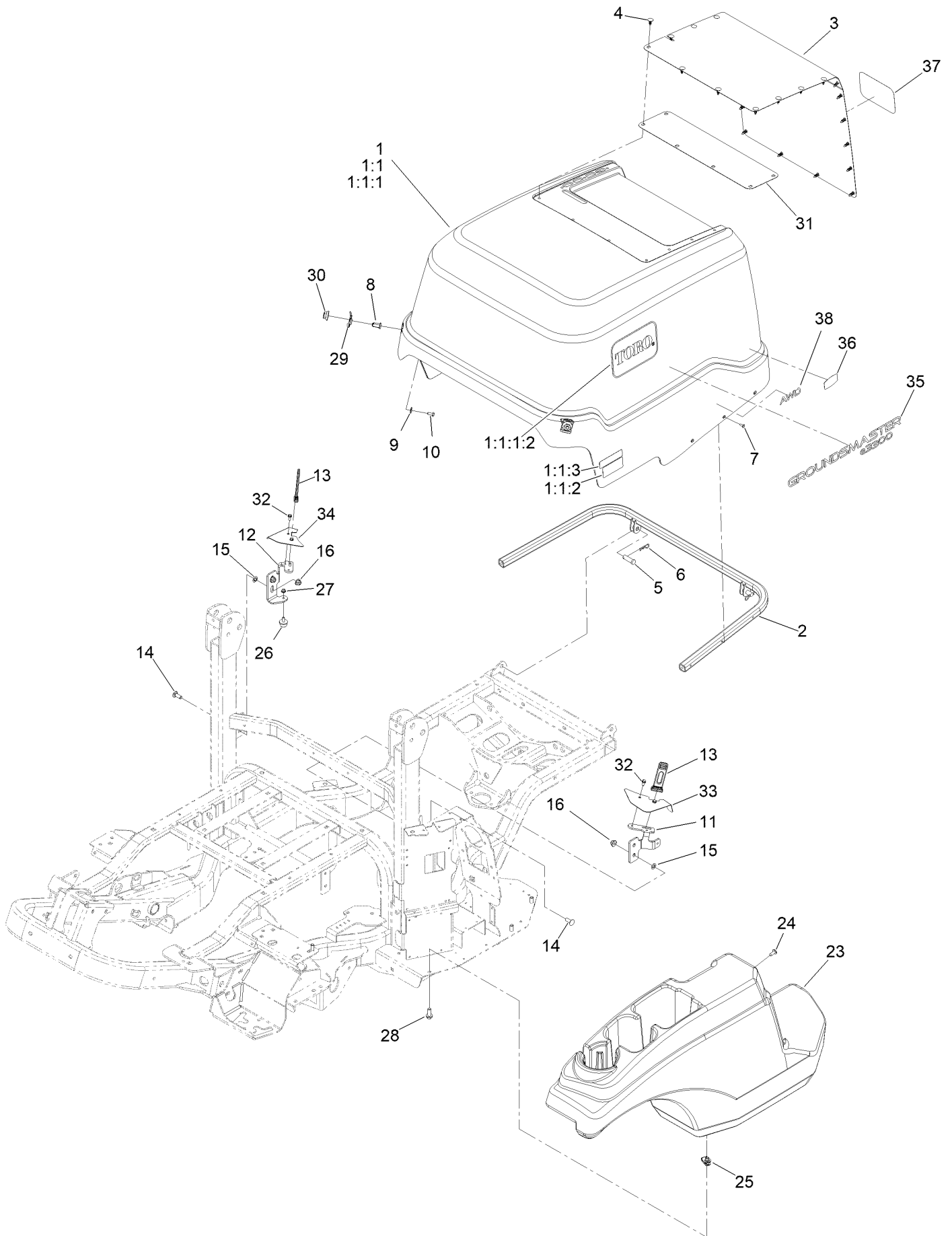
Wire Harness Assembly No. 122-3460



## Wire Harness Assembly No. 122-3460 (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>       | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>              |
|-------------|--------------------|-------------|--------------------------|-------------|--------------------|-------------|---------------------------------|
| 14          | 121-8861           | 1           | Fuse-Mini Blade, 2 Amp   | 25          | 32180-567          | 2           | Cover-Aptiv, Modified           |
| 15          | 121-8865           | 7           | Fuse-Mini Blade, 7.5 Amp | 26          | 32180-176          | 1           | Cover-Block, Fuse               |
| 16          | 121-8866           | 1           | Fuse-Mini Blade, 10 Amp  | 27          | 32181-013          | 1           | Cover-Fuseblock, 24F, Gep       |
| 17          | 32180-089          | 2           | Cap-Plug, 3 Way          | 28          | 32180-103          | 1           | Clip-Connector                  |
| 18          | 32180-056          | 1           | Cap                      | 29          | 32180-260          | 2           | Cap-Deutsch, Dust, 4 Way        |
| 19          | 117-4724           | 2           | Fuse-Blade, 10A          | 30          | 32180-199          | 1           | Backshell-Harnessflex, Straight |
| 20          | 122-1131           | 1           | Conn, Capacitor-Sealed   | 34          | 32180-091          | 2           | Cap-Dust, 2 Way                 |

# Hood Assembly

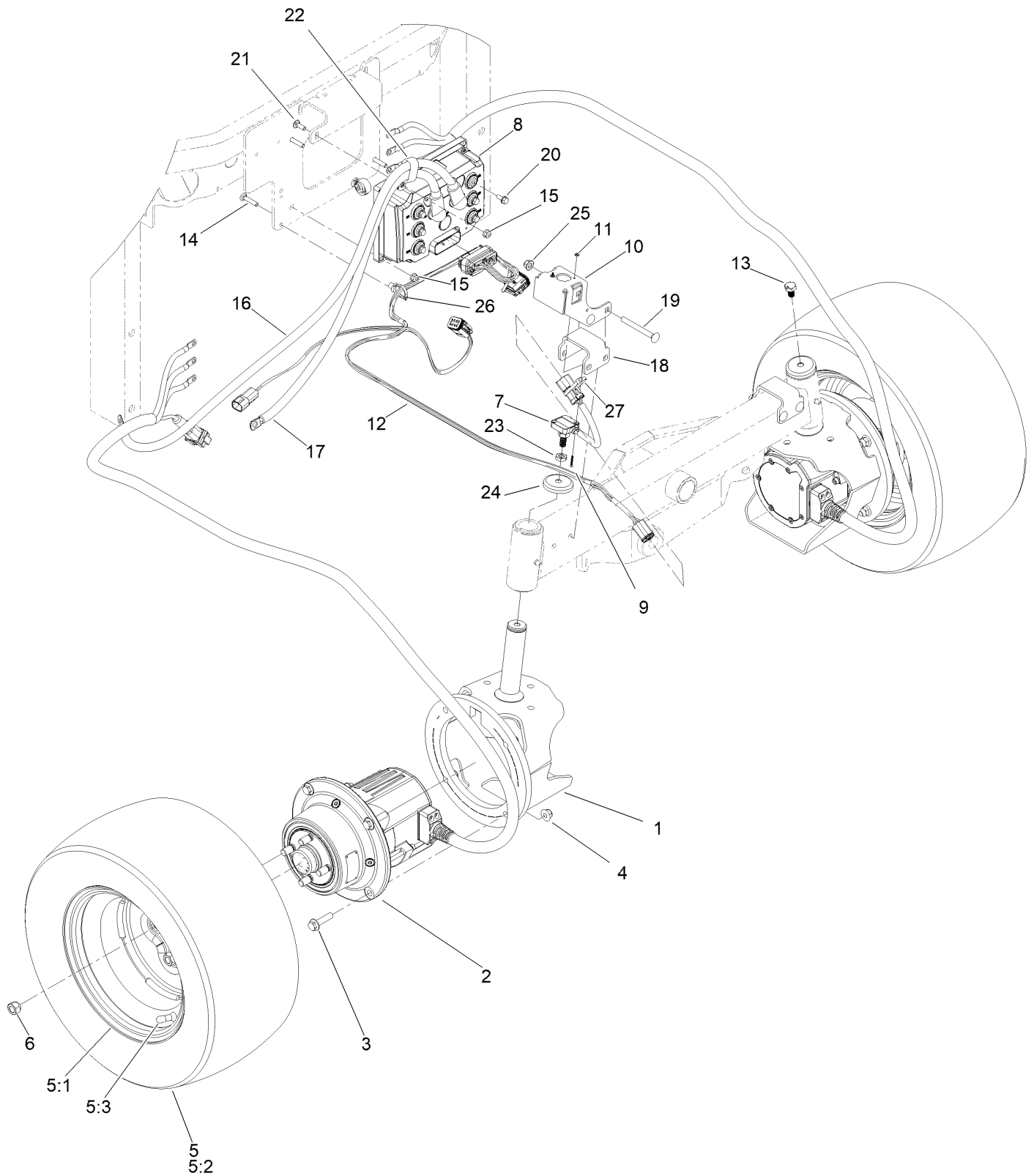


## Hood Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>      | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>  |
|-------------|--------------------|-------------|-------------------------|-------------|--------------------|-------------|---------------------|
| 1           | 147-5081SP         | 1           | Hood ASM W/Decals       | 15          | 107-3154           | 4           | Nut-Push            |
| 1:1         |                    | 1           | Hood ASM W/Decals ●     | 16          | 104-8301           | 4           | Nut-HF, NI          |
| 1:1:1       |                    | 1           | Hood ASM ●              | 23          | 147-2060           | 1           | Cover, LH           |
| 1:1:1:2     | 62-7400            | 2           | Decal-Toro Logo         | 24          | 138-9753           | 4           | Screw               |
| 1:1:2       | 161-2443           | 1           | Decal-Charging          | 25          | 140-1146           | 4           | Nut-Clip, U         |
| 1:1:3       | 144-7008           | 1           | Decal-Service, Shut-Off | 26          | 109-2365           | 1           | Bumper-Rubber       |
| 2           | 138-7331-03        | 1           | Support-Hood            | 27          | 104-7201           | 1           | Nut-HF, NI          |
| 3           | 161-0814-03        | 1           | Cover-Hood              | 28          | 33105-030          | 4           | Screw-HHF           |
| 4           | 117-2382           | 24          | Plug-Plastic            | 29          | 147-5114           | 2           | Shield-Strap, Hood  |
| 5           | 283-68             | 2           | Pin-Clevis              | 30          | 32128-56           | 2           | Nut-HF              |
| 6           | 3290-467           | 2           | Pin-Hair                | 31          | 161-0811-03        | 1           | Plate-Cover         |
| 7           | 114439             | 10          | Rivet-Blind             | 32          | 32144-4            | 4           | Screw-HWH           |
| 8           | 147-5113           | 2           | Hub-Strap, Hood         | 33          | 161-2433-03        | 1           | Shield-Hood, LH     |
| 9           | 3256-78            | 2           | Washer-Flat             | 34          | 161-2434-03        | 1           | Shield-Hood, RH     |
| 10          | 137-3014           | 2           | Screw-HH Lock           | 35          | 161-5089           | 2           | Decal-Hood, E3300   |
| 11          | 147-5111-03        | 1           | Bracket-Hood, LH        | 36          | 119-7580           | 2           | Decal-Smart, Energy |
| 12          | 147-5112-03        | 1           | Bracket-Hood, RH        | 37          | 99-4693            | 1           | Decal               |
| 13          | 131-8402           | 2           | Strap-Down, Hold        | 38          | 161-5126           | 2           | Decal-Awd           |
| 14          | 3231-22            | 4           | Screw-CARR              |             |                    |             |                     |

● Not serviced separately

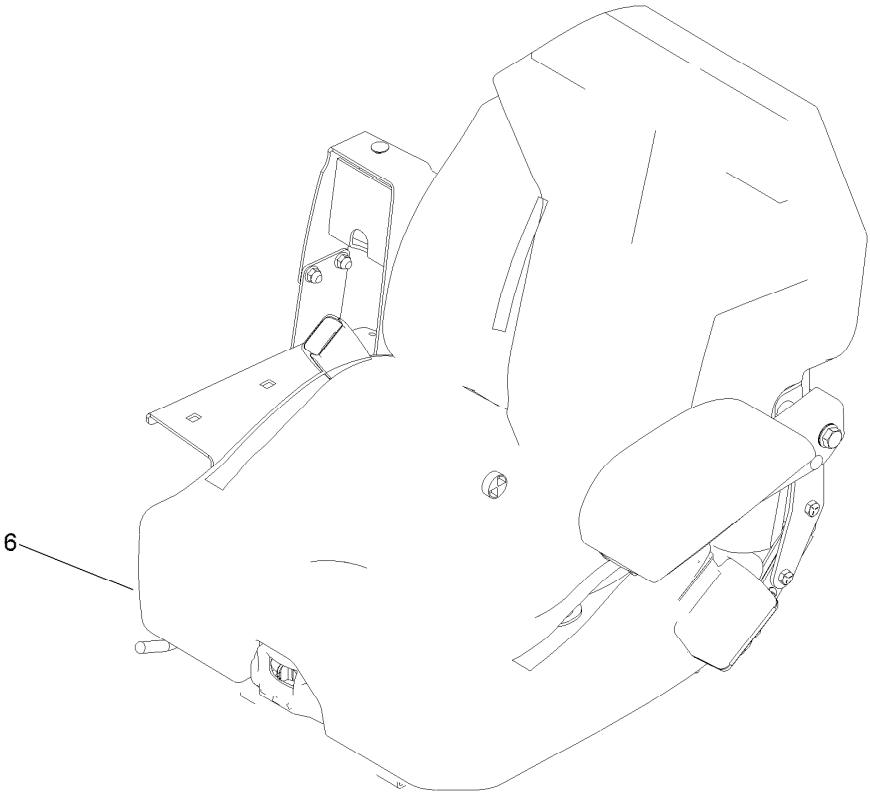
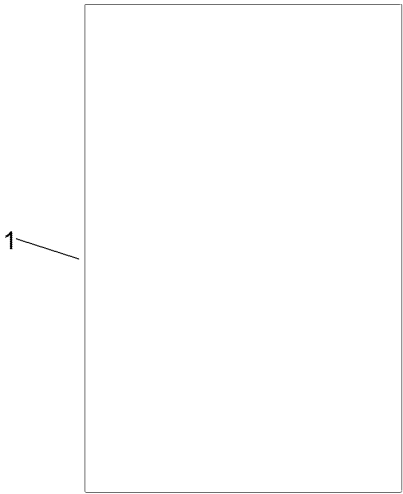
# 4WD Assembly



## 4WD Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                           | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>    |
|-------------|--------------------|-------------|----------------------------------------------|-------------|--------------------|-------------|-----------------------|
| 1           | 147-5110-03        | 2           | Motor Spindle ASM [black]                    | 11          | 3296-52            | 2           | Nut-Lock, NI          |
| 2           | 161-0850           | 2           | Motor/Gearbox ASM-48V,<br>1.5Kw, 24:1        | 12          | 122-3461           | 1           | Harness-Wire, 4Wd     |
| 3           | 3234-18            | 8           | Screw-HHF                                    | 13          | 138-6279           | 1           | Screw-Cap, HH         |
| 4           | 104-8301           | 8           | Nut-HF, NI                                   | 14          | 3229-3             | 4           | Screw-CARR            |
| 5           | 161-0888           | 2           | ASM-Tire And Wheel<br>18X10.5-10             | 15          | 119-4040           | 5           | Nut-HF, NI            |
| 5:1         | 161-0889           | 1           | ASM-Wheel 10X6                               | 16          | 122-3471           | 1           | Cable-Battery, Rd ASM |
| 5:2         | 105-1945           | 1           | Tire                                         | 17          | 122-3472           | 1           | Cable-Battery, Bk ASM |
| 5:3         | 232-27             | 1           | Stem-Valve                                   | 18          | 161-5078-03        | 2           | Bracket-Axle Stop     |
| 6           | 242-35             | 8           | Nut-Wheel                                    | 19          | 3230-26            | 4           | Screw-CARR            |
| 7           | 122-0914           | 1           | Sensor-Rotary,<br>Body/Magnet Matched<br>Set | 20          | 145-5782           | 8           | Screw-Sems            |
| 8           | 138-8984           | 1           | Inv/Ctrlr-48V, Dual 94Arms                   | 21          | 3229-1             | 1           | Screw-CARR            |
| 9           | 140-8959           | 2           | Screw-Fht                                    | 22          | 120-1959           | 1           | Clamp                 |
| 10          | 147-5105-03        | 1           | Bracket-Sensor                               | 23          | 112-8617           | 1           | Nut-Hex               |
|             |                    |             |                                              | 24          | 161-5084           | 2           | Cap-Spindle           |
|             |                    |             |                                              | 25          | 104-8300           | 4           | Nut-HF, NI            |
|             |                    |             |                                              | 26          | 32180-030          | 2           | Clip-Tie              |
|             |                    |             |                                              | 27          | 3290-378           | 1           | Tie-Cable             |

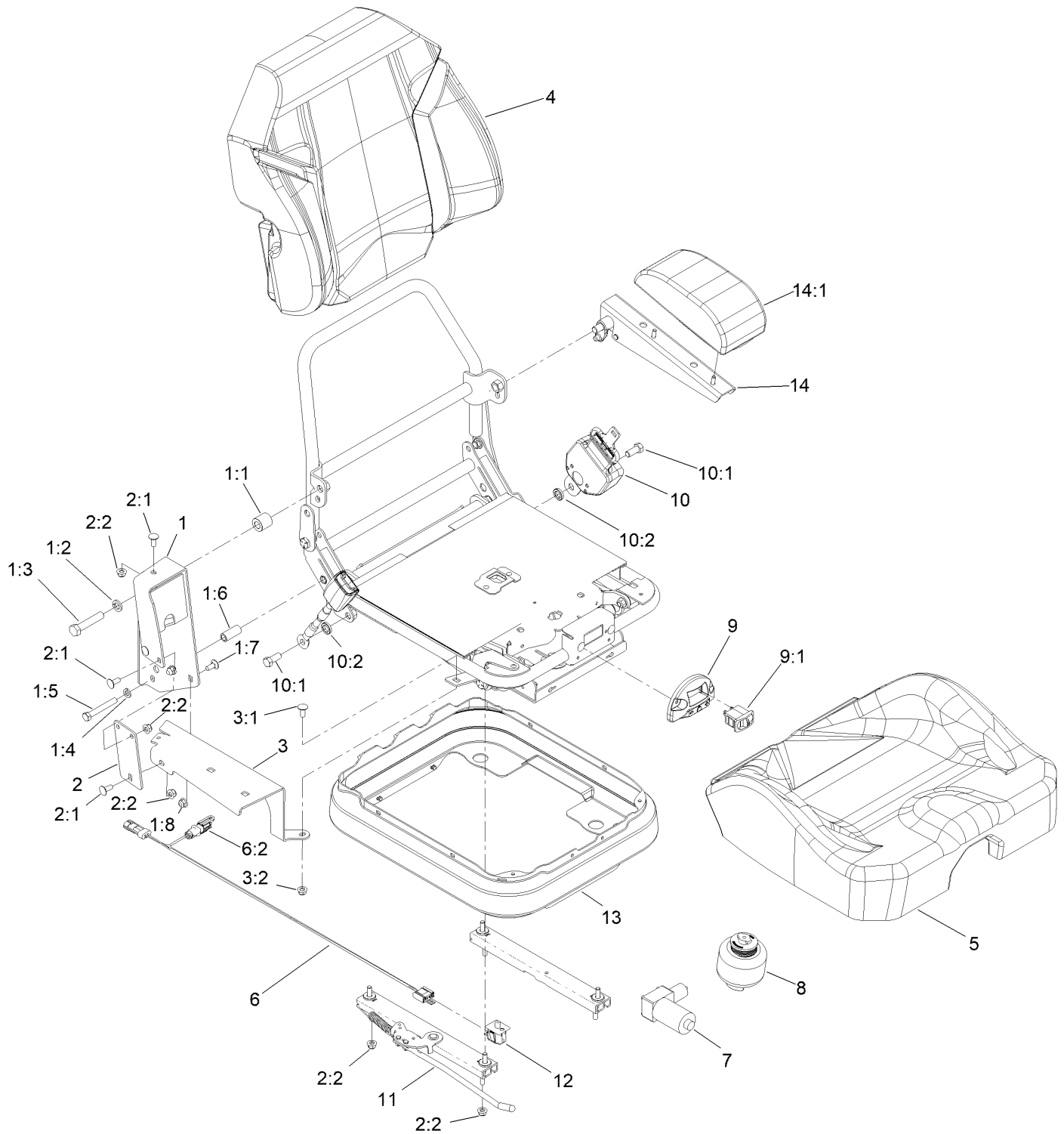
# Miscellaneous Parts Assembly



## Miscellaneous Parts Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | 144-3952           | 1           | Decal-Slope        |
| 6           | 161-0807           | 1           | Seat ASM-Air Ride  |

# Air Ride Suspension Seat Assembly No. 161-0807



# Air Ride Suspension Seat Assembly No. 161-0807 (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>      | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>       |
|-------------|--------------------|-------------|-------------------------|-------------|--------------------|-------------|--------------------------|
| 1           | 140-7112           | 1           | Upper Console Mount Kit | 5           | 125-3111           | 1           | Cover-Cushion            |
| 1:1         | 140-7113           | 1           | Spacer                  | 6           | 122-2735           | 1           | Harness-Wire, Seat       |
| 1:2         | 3253-7             | 1           | Washer-Lock             | 6:2         | 32180-091          | 1           | Cap-Dust, 2 Way          |
| 1:3         | 325-10             | 1           | Screw-HH                | 7           | 140-7120           | 1           | Air Compressor Kit       |
| 1:4         | 3253-21            | 1           | Washer-Lock             | 8           | 140-7121           | 1           | Air Bag Kit              |
| 1:5         | 323-13             | 1           | Screw-HH                | 9           | 140-7122           | 1           | Air Valve Kit            |
| 1:6         | 140-7114           | 1           | Spacer                  | 9:1         | 126-2747           | 1           | Valve-Air Adjust         |
| 1:7         | 3230-23            | 2           | Bolt-CARR               | 10          | 140-7116           | 1           | Seat Belt Kit            |
| 1:8         | 104-8300           | 2           | Nut-HF, NI              | 10:1        | 3212-4             | 2           | Screw-HH                 |
| 2           | 140-7103           | 1           | Bracket Kit             | 10:2        | 140-7108           | 2           | Spacer                   |
| 2:1         | 3230-23            | 4           | Bolt-CARR               | 11          | 144-0458           | 1           | Track Kit                |
| 2:2         | 104-8300           | 8           | Nut-HF, NI              | 12          | 145-3520           | 1           | Switch-Plunger, On-(On)  |
| 3           | 140-7115           | 1           | Lower Console Mount Kit | 13          | 126-8559           | 1           | Bellows-Seat             |
| 3:1         | 3230-23            | 1           | Bolt-CARR               | 14          | 140-7110           | 1           | Armrest-Deluxe, With Pad |
| 3:2         | 104-8300           | 1           | Nut-HF, NI              | 14:1        | 140-7111           | 1           | Pad-Armrest              |
| 4           | 125-3112           | 1           | Cover-Back              | 99          | 140-7119           | 1           | Harness-Air Ride ●       |

● Not illustrated

# Attachments and Accessories

## For 31802 — Groundsmaster e3300 All-Wheel Drive Traction Unit

| Product Name                                                                                | Model/Part |
|---------------------------------------------------------------------------------------------|------------|
| Premium Transmission/Hydraulic Tractor Fluid (5 Gallon Pail) .....                          | 108-1184   |
| Paint-Black Bottle .....                                                                    | 112-0176   |
| Paint-Red Pen .....                                                                         | 112-0177   |
| Paint-Red Bottle .....                                                                      | 112-0178   |
| 42 Pound Weight .....                                                                       | 114-4096   |
| Seat Cover (with Arm Rest) .....                                                            | 117-0095   |
| Premium Synthetic Bio-Degradable Hydraulic Fluid (5 Gallon Pail) .....                      | 119-2157   |
| Premium Synthetic Bio-Degradable Hydraulic Fluid (55 Gallon Drum) .....                     | 119-2158   |
| Charger Cable Assembly .....                                                                | 122-3489   |
| Charger Cable Assembly .....                                                                | 122-3490   |
| Charger Cable Assembly .....                                                                | 122-3491   |
| PX Hydraulic Fluid (5 Gal) .....                                                            | 133-8086   |
| PX Hydraulic Fluid (55 Gal).....                                                            | 133-8087   |
| Wrench-Caster Cap/Latch .....                                                               | 138-6367   |
| SMV Kit.....                                                                                | 139-2339   |
| Work Lights Kit, Groundsmaster and Reelmaster Traction Units with Universal Sunshade.....   | 140-1554   |
| Universal Wireless Hourmeter Kit .....                                                      | 144-2436   |
| Blade-20.50 Low Flow .....                                                                  | 145-1114   |
| Blade-20.50 Med Flow .....                                                                  | 145-1115   |
| Blade-20.50 Recycler .....                                                                  | 145-1116   |
| Battery ASM .....                                                                           | 145-5385   |
| Blade-20.50 Atomic .....                                                                    | 147-2082   |
| Energy Expansion Kit .....                                                                  | 161-0859   |
| Blade Kit, Low Flow (20.5) 3 pack .....                                                     | 161-7645   |
| Blade Kit, Med Flow (20.5) 3 pack .....                                                     | 161-7646   |
| Blade Kit, Recycler (20.5) 3 pack .....                                                     | 161-7647   |
| Blade Kit, Atomic (20.5) 3 pack .....                                                       | 161-7648   |
| White Universal Sunshade .....                                                              | 30669      |
| Red Universal Sunshade .....                                                                | 30671      |
| 60in SD Deck.....                                                                           | 31890      |
| 60in RD Deck.....                                                                           | 31891      |
| Seat Assembly-Standard .....                                                                | 32301      |
| Seat Assembly-Mechanical Suspension .....                                                   | 32302      |
| Air Ride Seat Kit .....                                                                     | 32303      |
| Recycler Kit (60in/152cm RD).....                                                           | 32306      |
| LED Work Light Kit (ROPS) .....                                                             | 32307      |
| Road Light Kit (EU) .....                                                                   | 32308      |
| North American Road Light Kit .....                                                         | 32309      |
| Back-up Alarm .....                                                                         | 32310      |
| Beacon Kit .....                                                                            | 32313      |
| Switch Panel, Groundsmaster e3200 2-Wheel Drive Traction Unit with Universal Sunshade ..... | 32314      |
| Energy Expansion Mounting Kit.....                                                          | 32317      |
| Recycler Kit, Groundsmaster e3200 Traction Unit with 60in Side Discharge Rotary Mower.....  | 32319      |
| Toro Red 12oz Aerosol Can .....                                                             | 361-10     |

**Attachments and Accessories (continued)**

Semi-Gloss Black Spray Paint..... 361-9

Transmission Oil Filter ..... 86-3010



**Count on it.**