



**Count on it.**

Form No. 3462-273 Rev A

# Parts Catalog

## Workman® MDX Lithium Utility Vehicle

Model No. 08303TC—Serial No. 400000000 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.

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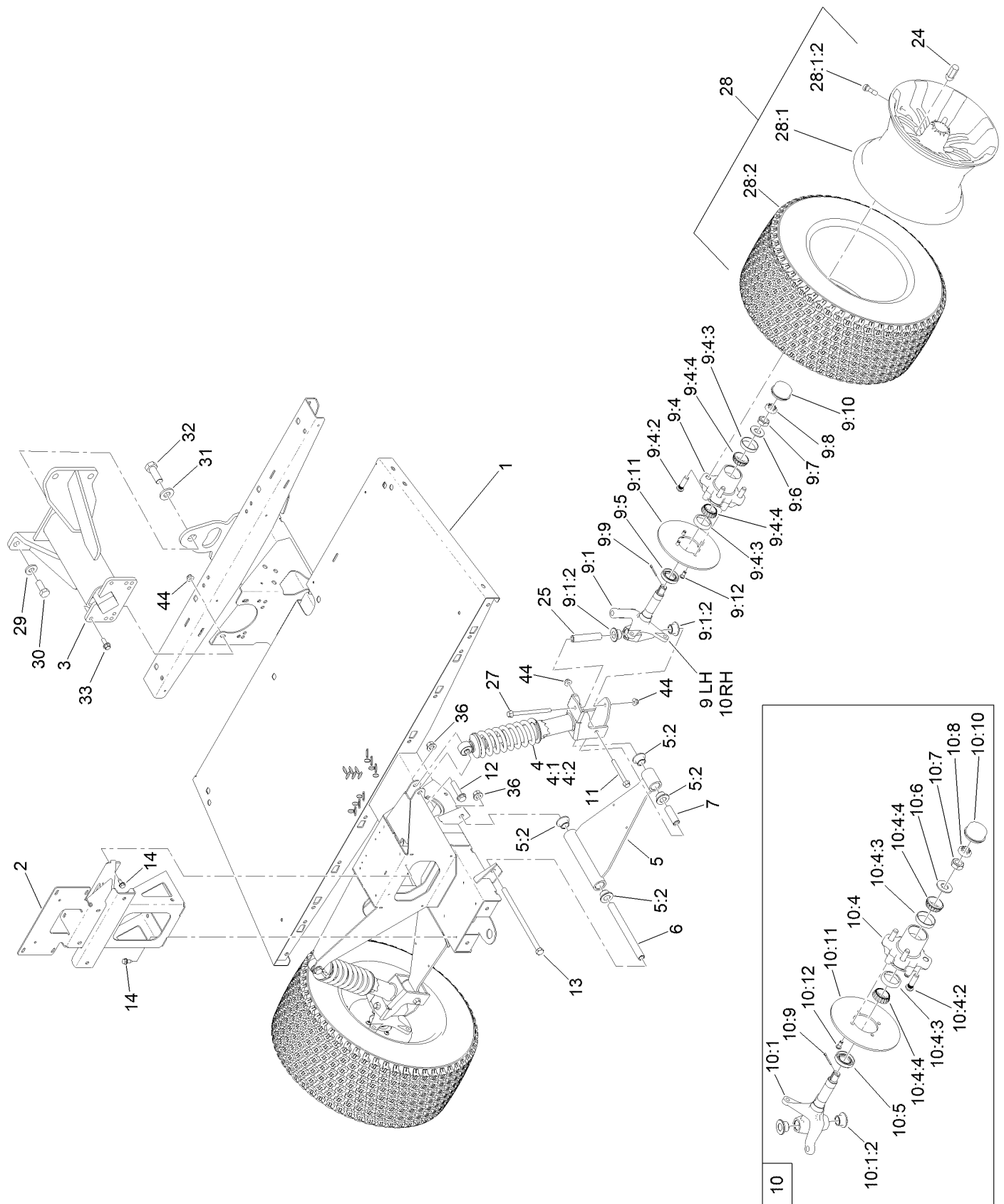
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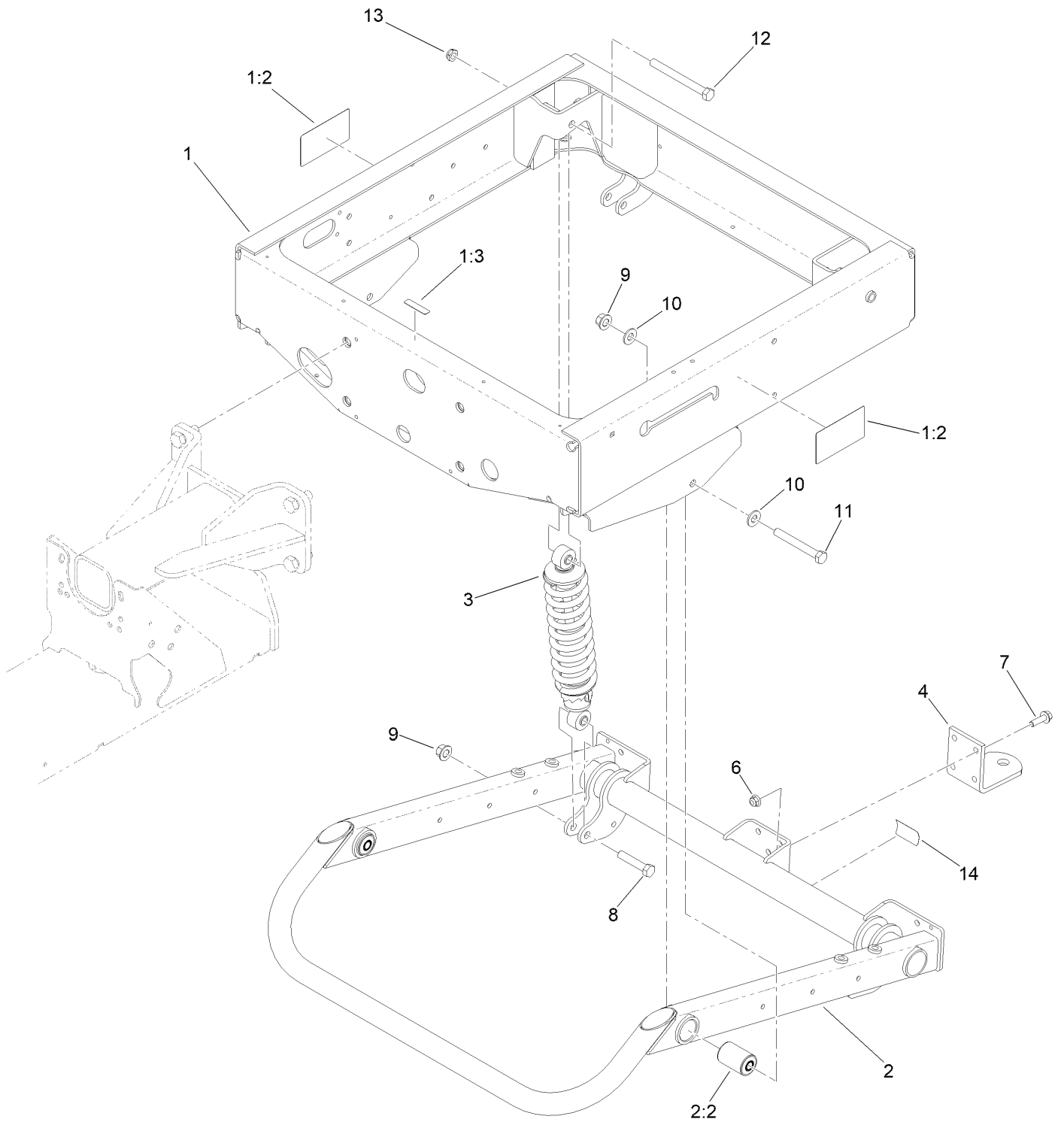
## Front Frame and Suspension Assembly



## Front Frame and Suspension 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           | 161-1945-03        | 1           | Front Frame ASM [black]   | 10:4:2      | 10-6830            | 4           | Stud-Type, Drive      |
| 2           | 132-6736-03        | 1           | Support-Bumper            | 10:4:3      | 254-72             | 2           | Bearing-Cup, Tapered  |
| 3           | 99-7700            | 1           | Yoke-Pivot                | 10:4:4      | 254-94             | 2           | Bearing-Cone, Tapered |
| 4           | 132-6791           | 2           | Strut ASM                 | 10:5        | 112-1690           | 1           | Seal-Oil              |
| 4:1         | 133-0556           | 1           | Spring-Coil               | 10:6        | 93-0309            | 1           | Washer-Tab            |
| 4:2         | 131-8574           | 1           | Isolator-Shock            | 10:7        | 3220-7             | 1           | Nut-Jam               |
| 5           | 144-2160           | 2           | Control Arm ASM           | 10:8        | 93-0307            | 1           | Nut-Lock, Retainer    |
| 5:2         | 140-4615           | 4           | Bushing-Flange            | 10:9        | 3272-12            | 1           | Pin-Cotter            |
| 6           | 133-0595           | 2           | Sleeve-Control Arm, Inner | 10:10       | 241-119            | 1           | Cap-Dust              |
| 7           | 131-8583           | 2           | Sleeve-Control Arm, Outer | 10:11       | 139-4474           | 1           | Rotor-Brake           |
| 9           | 140-9835           | 1           | LH Spindle ASM            | 10:12       | 121-9671           | 4           | Screw-HSBH            |
| 9:1         | 144-5468           | 1           | Spindle ASM LH            | 11          | 139-3370           | 2           | Screw-HF              |
| 9:1:2       | 140-4615           | 2           | Bushing-Flange            | 12          | 3234-46            | 2           | Screw-HHF             |
| 9:4         | 144-5470           | 1           | Front Hub ASM             | 13          | 325-39             | 2           | Screw-HH              |
| 9:4:2       | 10-6830            | 4           | Stud-Type, Drive          | 14          | 32144-70           | 6           | Screw-HWHTF           |
| 9:4:3       | 254-72             | 2           | Bearing-Cup, Tapered      | 24          | 139-3603           | 8           | Nut-Lug               |
| 9:4:4       | 254-94             | 2           | Bearing-Cone, Tapered     | 25          | 131-8582           | 2           | Sleeve-Kingpin        |
| 9:5         | 112-1690           | 1           | Seal-Oil                  | 27          | 139-3350           | 2           | Screw-HF              |
| 9:6         | 93-0309            | 1           | Washer-Tab                | 28          | 147-3969           | 2           | Wheel And Tire ASM    |
| 9:7         | 3220-7             | 1           | Nut-Jam                   | 28:1        | 147-3967           | 1           | Wheel-Aluminum        |
| 9:8         | 93-0307            | 1           | Nut-Lock, Retainer        | 28:1:2      | 232-27             | 1           | Stem-Valve            |
| 9:9         | 3272-12            | 1           | Pin-Cotter                | 28:2        | 120-3271           | 1           | Tire                  |
| 9:10        | 241-119            | 1           | Cap-Dust                  | 29          | 99-7667            | 4           | Washer-Flat           |
| 9:11        | 139-4474           | 1           | Rotor-Brake               | 30          | 327-4              | 4           | Screw-HH              |
| 9:12        | 121-9671           | 4           | Screw-HSBH                | 31          | 87-3060            | 1           | Washer-Hardened       |
| 10          | 140-9836           | 1           | RH Spindle ASM            | 32          | 328-24             | 1           | Screw-HH              |
| 10:1        | 144-5469           | 1           | Spindle ASM RH            | 33          | 131-2220           | 4           | Screw-HHF             |
| 10:1:2      | 140-4615           | 2           | Bushing-Flange            | 36          | 99-5107            | 4           | Nut-Lock              |
| 10:4        | 144-5470           | 1           | Front Hub ASM             | 44          | 139-3380           | 8           | Nut-HF                |

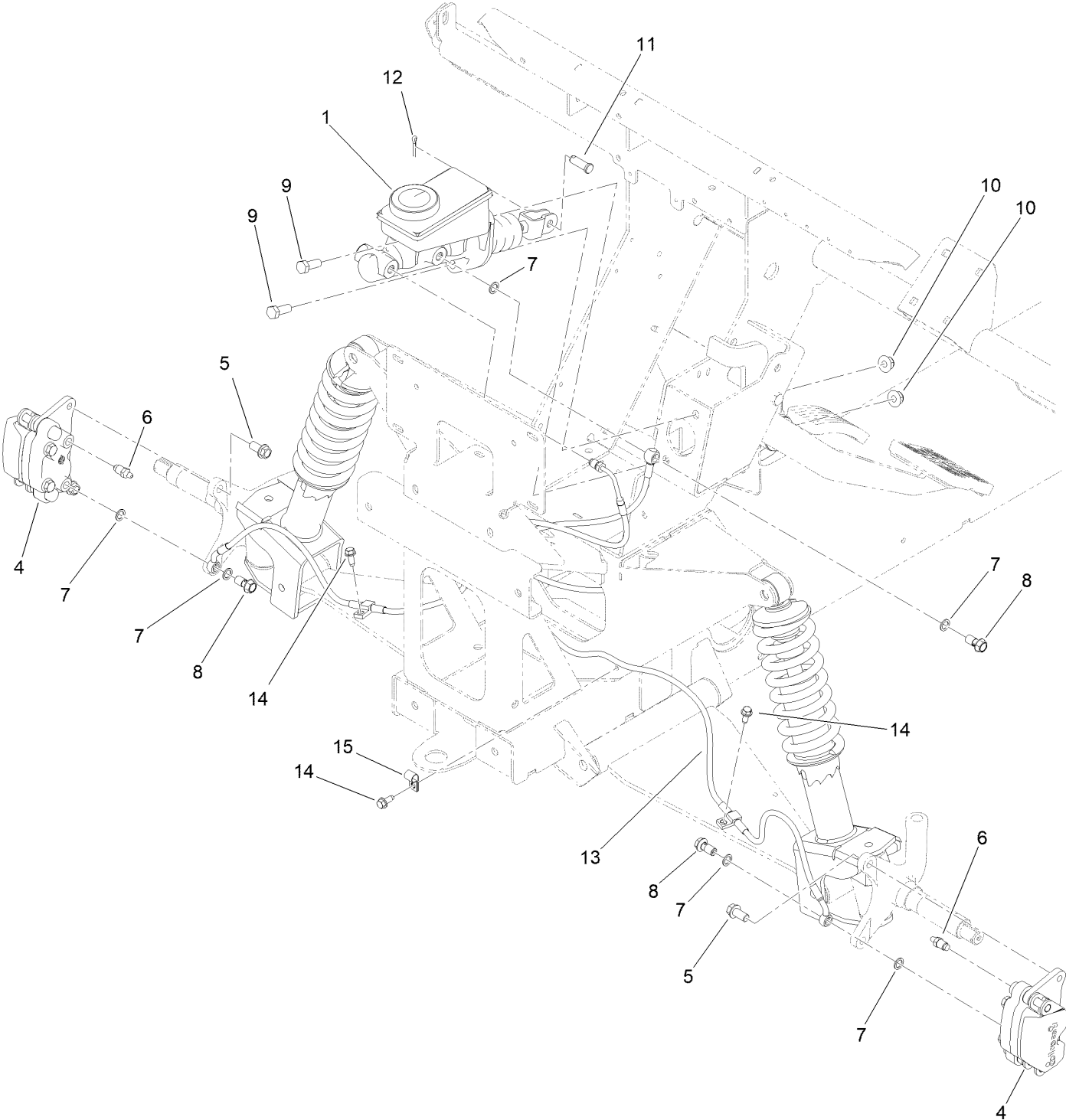
# Rear Frame and Suspension Assembly



## Rear Frame and Suspension Assembly (continued)

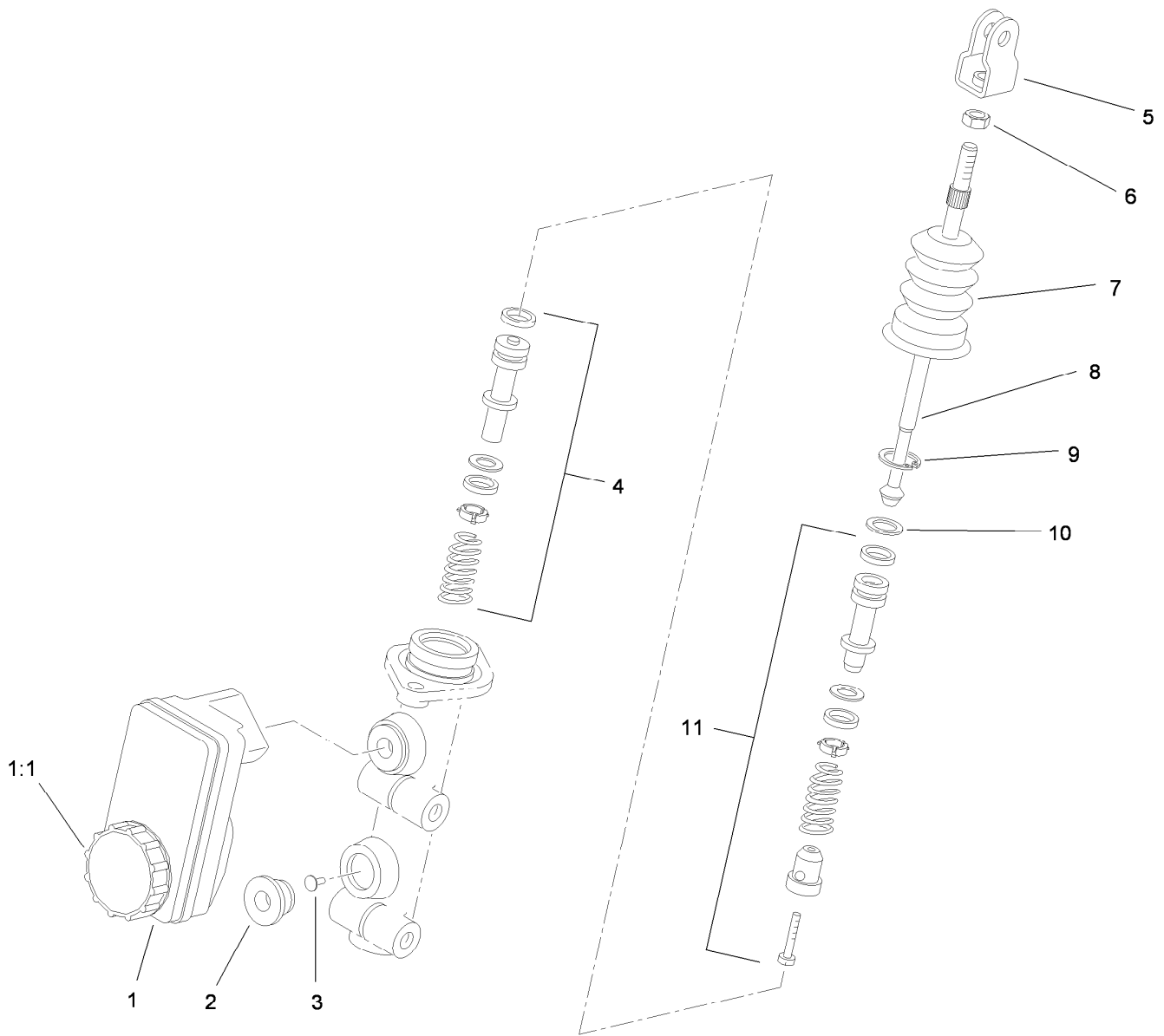
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|-----------------------------------|-------------|--------------------|-------------|--------------------|
| 1           | 147-3869           | 1           | Rear Frame ASM                    | 7           | 3234-24            | 4           | Screw-HHF          |
| 1:2         | 147-4081           | 2           | Decal-Safety MDX-Lithium,<br>Rear | 8           | 325-10             | 2           | Screw-HH           |
| 1:3         | 120-9570           | 1           | Decal-Warning                     | 9           | 99-5107            | 4           | Nut-Lock           |
| 2           | 147-3866           | 1           | Swing Arm ASM                     | 10          | 87-7270            | 4           | Washer-Thrust      |
| 2:2         | 112-3377           | 2           | Bushing-Arm, Control              | 11          | 325-17             | 2           | Screw-HH           |
| 3           | 133-0553           | 2           | Shock And Spring ASM              | 12          | 325-19             | 2           | Screw-HH           |
| 4           | 99-7654-03         | 1           | Hitch-Duty, Light                 | 13          | 3296-45            | 2           | Nut-Hex            |
| 6           | 104-8301           | 4           | Nut-HF, NI                        | 14          | 136-1164           | 1           | Decal-Load, Towing |

# Front Brake Assembly



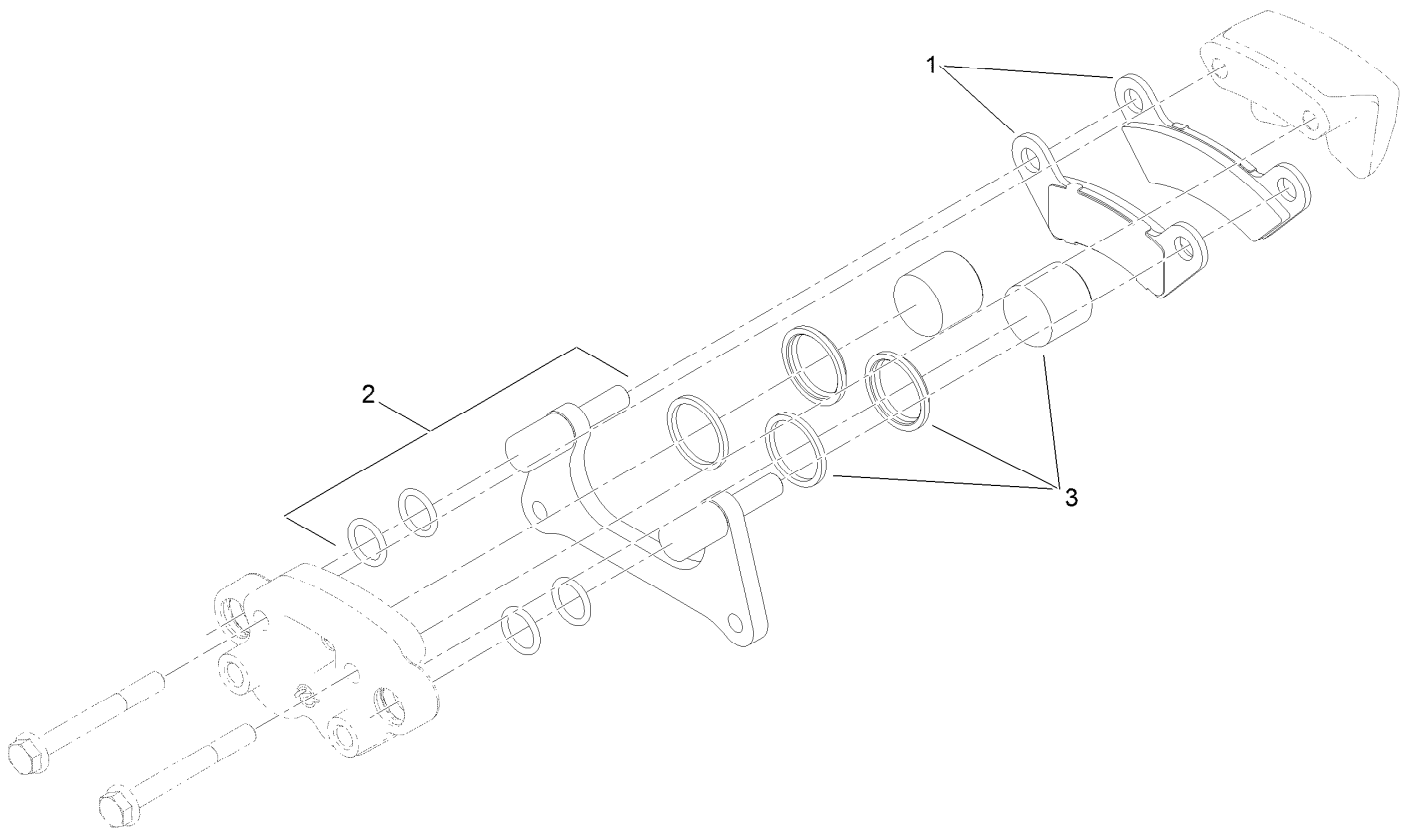
## Front Brake Assembly (continued)

| <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           | 104-6782           | 1           | Master Cylinder ASM | 10          | 104-8301           | 2           | Nut-HF, NI         |
| 4           | 161-1890           | 2           | Brake Caliper ASM   | 11          | 283-2              | 1           | Pin-Clevis         |
| 5           | 144-5550           | 4           | Screw-Spl           | 12          | 3272-10            | 1           | Pin-Cotter         |
| 6           | 119-9509           | 2           | Screw-Bleed         | 13          | 132-6793           | 1           | Line-Brake, Front  |
| 7           | 115-2341           | 6           | Washer-Banjo        | 14          | 32144-10           | 4           | Screw-HWH          |
| 8           | 120-4875           | 3           | Bolt-Flange, Banjo  | 15          | 2412-89            | 1           | Clamp-R            |
| 9           | 323-6              | 2           | Screw-HH            |             |                    |             |                    |



## Master Cylinder Assembly No. 104-6782

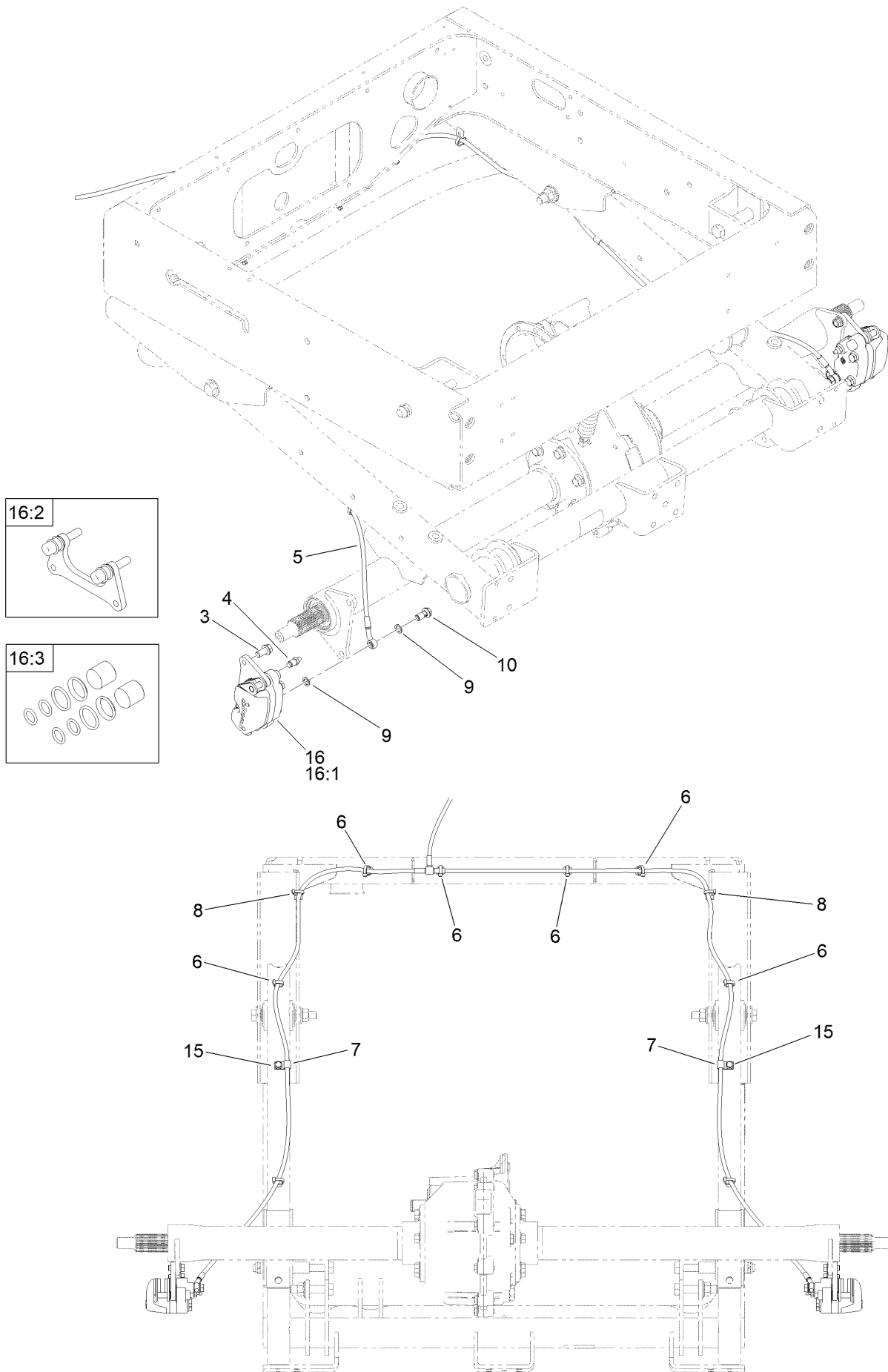
| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 1    | 104-6845    | 1    | Reservoir ASM        |
| 1:1  | 92-4112     | 1    | Cap ASM              |
| 2    | 93-8971     | 2    | Seal-Port, Flange    |
| 3    | 92-4103     | 1    | Pin-Stop             |
| 4    | 92-4102     | 1    | Secondary Piston ASM |
| 5    | 92-4110     | 1    | Clevis               |
| 6    | 21-0360     | 1    | Nut-Hex              |
| 7    | 94-5209     | 1    | Cover-Dust           |
| 8    | 94-5210     | 1    | Rod-Push             |
| 9    | 92-4109     | 1    | Ring-Snap            |
| 10   | 92-4108     | 1    | Retainer-Washer      |
| 11   | 92-4101     | 1    | Primary Piston ASM   |



## Brake Caliper Assembly No. 161-1890

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                   |
|-------------|--------------------|-------------|--------------------------------------|
| 1           | 140-2580           | 1           | Brake Pad Service Kit (Front, Qty 4) |
| 2           | 119-9511           | 1           | Bracket Kit                          |
| 3           | 133-0614           | 1           | Piston Kit                           |

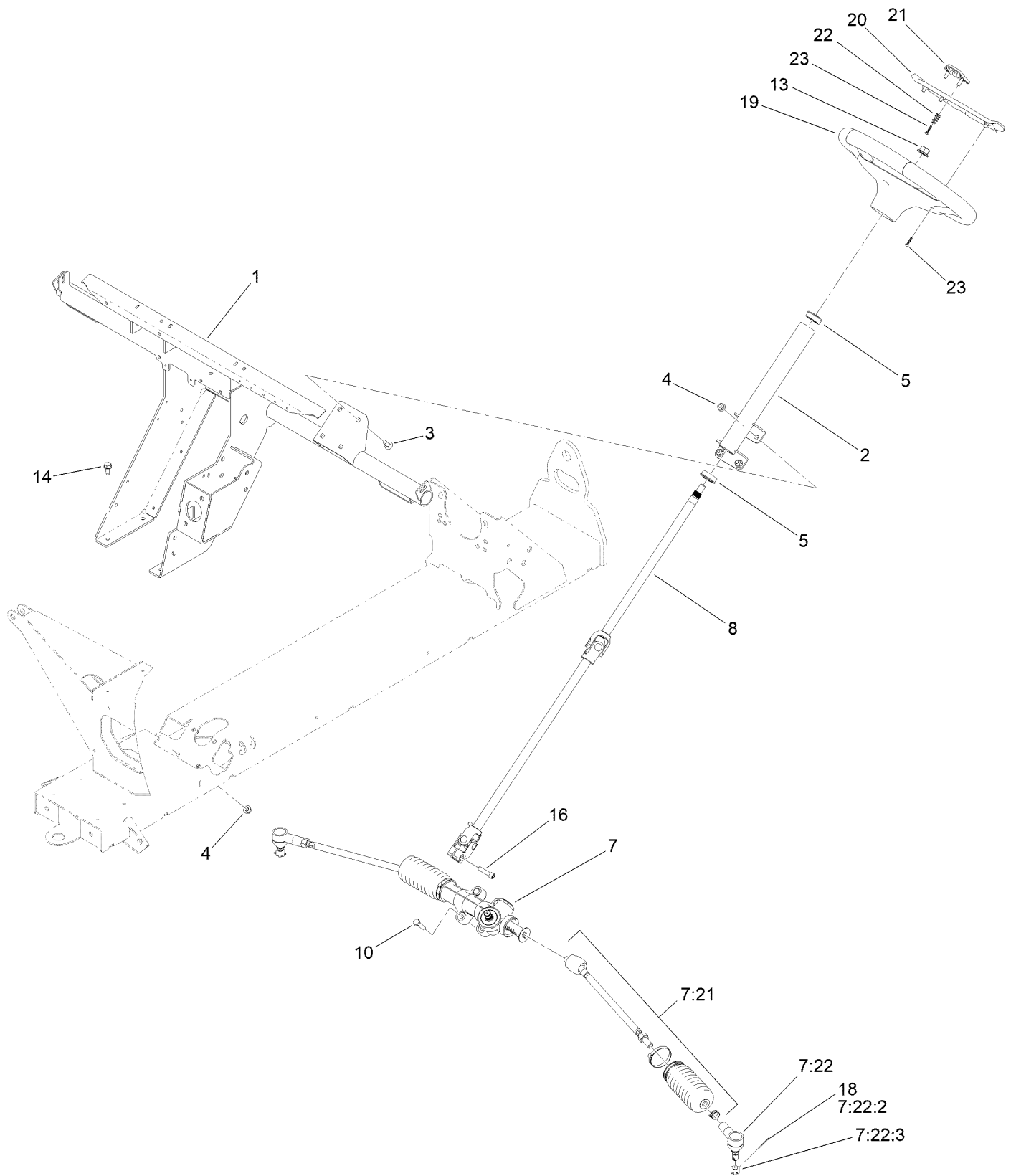
# Rear Brake Assembly



## Rear Brake 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>                      |
|-------------|--------------------|-------------|-----------------------------------|-------------|--------------------|-------------|-----------------------------------------|
| 3           | 144-5550           | 4           | Screw-Spl                         | 10          | 120-4875           | 2           | Bolt-Flange, Banjo                      |
| 4           | 119-9509           | 2           | Screw-Bleed                       | 15          | 32144-10           | 2           | Screw-HWH                               |
| 5           | 147-3897           | 1           | Brake Line ASM, Rear              | 16          | 161-1890           | 2           | Brake Caliper ASM                       |
| 6           | 32180-030          | 8           | Clip-Tie                          | 16:1        | 140-2580           | 1           | Brake Pad Service Kit<br>(Front, Qty 4) |
| 7           | 2412-89            | 2           | Clamp-R                           | 16:2        | 119-9511           | 1           | Bracket Kit                             |
| 8           | 32180-082          | 2           | Clip-Edge W/Tie,<br>Perpendicular | 16:3        | 133-0614           | 1           | Piston Kit                              |
| 9           | 115-2341           | 4           | Washer-Banjo                      |             |                    |             |                                         |

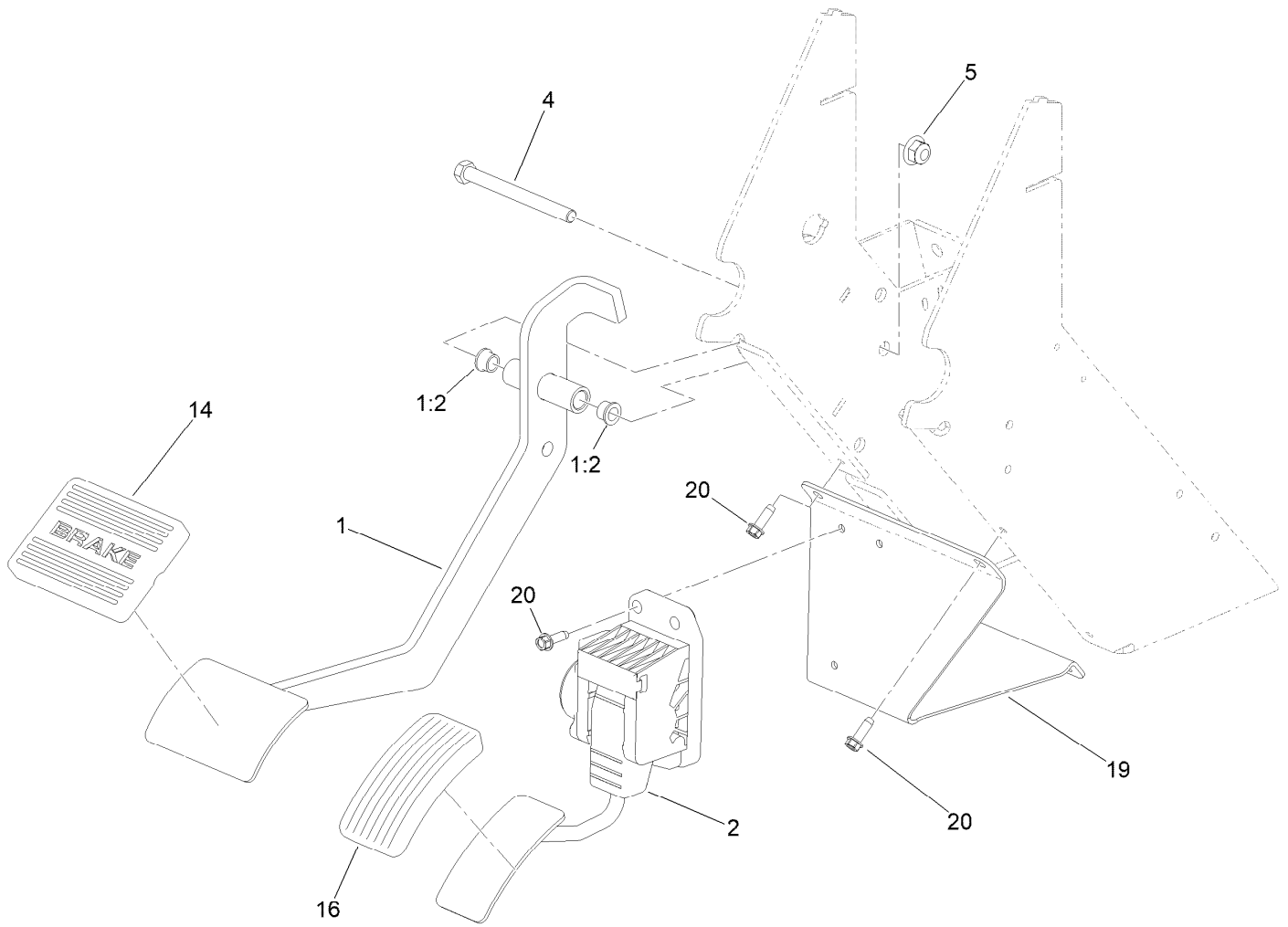
# Steering Assembly



## 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           | 147-3840-03        | 1           | Dash Support ASM [black] | 10          | 322-6              | 4           | Screw-HH              |
| 2           | 145-2065           | 1           | Steering Column ASM, MDX | 13          | 99-5107            | 1           | Nut-Lock              |
| 3           | 3230-1             | 4           | Bolt-CARR                | 14          | 32144-70           | 4           | Screw-HWHTF           |
| 4           | 104-8300           | 8           | Nut-HF, NI               | 16          | 145-7145           | 1           | Screw-HSH,Lock        |
| 5           | 112-3262           | 2           | Bearing                  | 18          | 3272-42            | 2           | Pin-Cotter            |
| 7           | 140-4560           | 1           | Steering Rack ASM        | 19          | 144-5570           | 1           | Steering Wheel ASM    |
| 7:21        | 140-4594           | 1           | Kit-Tie Rod ASM, MDX     | 20          | 144-5567           | 1           | Cover-Wheel, Steering |
| 7:22        | 140-4592           | 1           | Kit-Rod End ASM          | 21          | 144-5566           | 1           | Clip-Wheel, Steering  |
| 7:22:2      | 3272-42            | 1           | Pin-Cotter               | 22          | 144-5537           | 2           | Spring-Compression    |
| 7:22:3      | 140-2493           | 1           | Nut-Hex, Slotted         | 23          | 94-4496            | 5           | Screw-PPH             |
| 8           | 145-2051           | 1           | Steering Shaft ASM       |             |                    |             |                       |

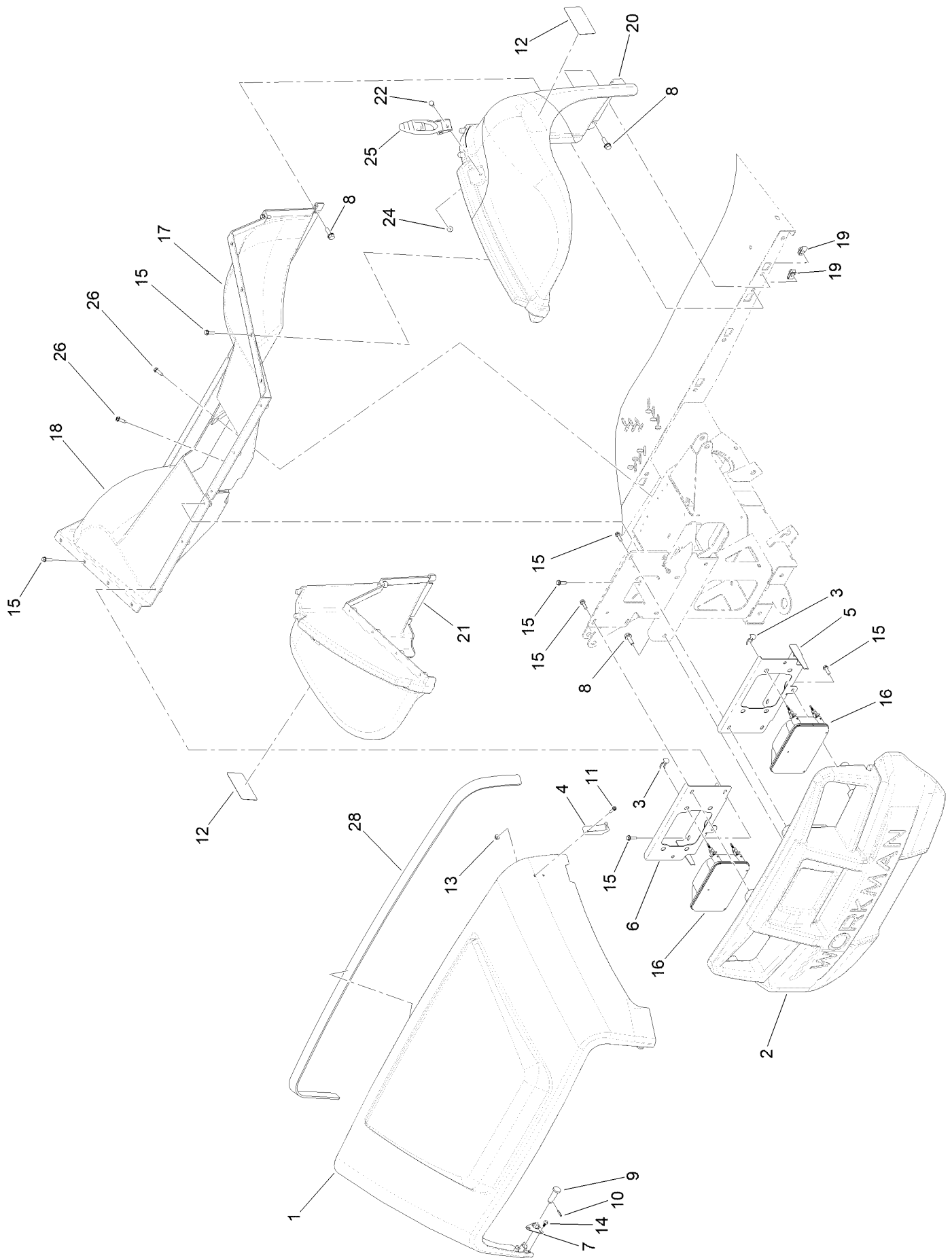
# Accelerator and Brake Pedal Assembly



## Accelerator and Brake 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           | 147-4078           | 1           | Brake Pedal ASM       | 14          | 7-3900             | 1           | Pad-Brake                  |
| 1:2         | 256-116            | 2           | Bushing-Flange        | 16          | 140-4572           | 1           | Pedal Pad-Throttle         |
| 2           | 144-2740           | 1           | Pedal ASM-Accelerator | 19          | 147-3830-03        | 1           | Bracket-Pedal, Accelerator |
| 4           | 323-16             | 1           | Screw-HH              | 20          | 49-2040            | 7           | Screw-HWHTF                |
| 5           | 104-8301           | 1           | Nut-HF, NI            |             |                    |             |                            |

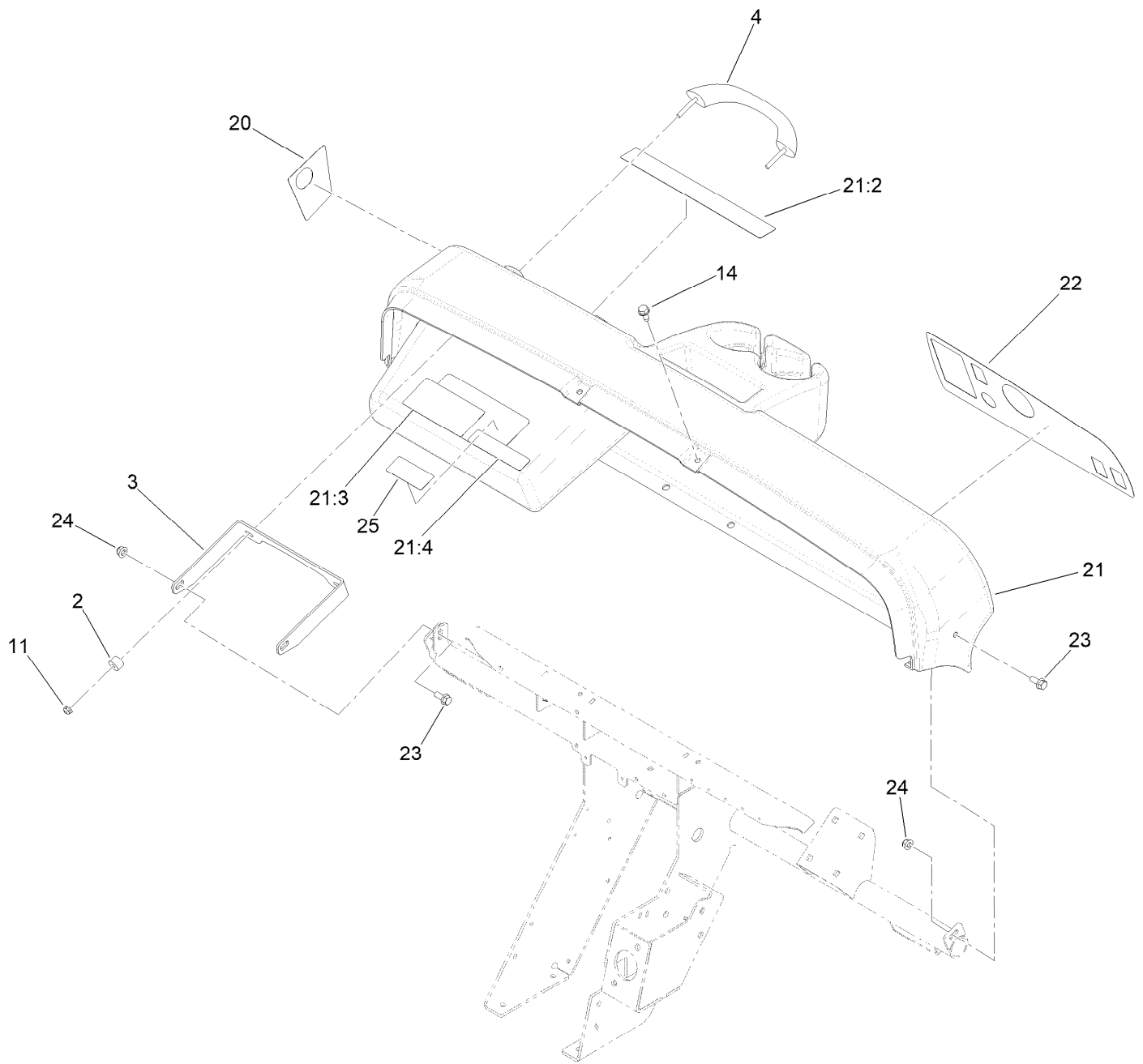
# Hood and Fenders Assembly



## Hood and Fenders 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           | 136-6281           | 1           | Hood                       | 14          | 121-9605           | 6           | Screw-HWH              |
| 2           | 132-8530           | 1           | Bumper                     | 15          | 46-8091            | 24          | Screw-HWH              |
| 3           | 115-2408           | 6           | Clip-Speed                 | 16          | 138-9260           | 2           | Headlight ASM          |
| 4           | 103-2897           | 2           | Latch-Catch                | 17          | 132-6775           | 1           | Fender-Inner, LH       |
| 5           | 140-4780-0P        | 1           | Bracket-Headlight, LH      | 18          | 132-6776           | 1           | Fender-Inner, RH       |
| 6           | 140-4781-0P        | 1           | Bracket-Headlight, RH      | 19          | 112-3306           | 10          | Nut                    |
| 7           | 112-3308           | 2           | Retainer-Pin               | 20          | 147-3947           | 1           | Fender-Front, LH (MDX) |
| 8           | 3234-29            | 12          | Screw-HHF                  | 21          | 147-3946           | 1           | Fender-Front, RH (MDX) |
| 9           | 117-5094           | 2           | Pin-Clevis                 | 22          | 321-39             | 2           | Screw-HH               |
| 10          | 32121-50           | 2           | Pin-Spring                 | 24          | 104-7201           | 2           | Nut-HF, NI             |
| 11          | 32105-13           | 4           | Screw-HWH                  | 25          | 115-2416           | 2           | Latch-Rubber           |
| 12          | 147-3924           | 2           | Decal-Fender, MDX, Lithium | 26          | 49-2040            | 4           | Screw-HWHTF            |
| 13          | 120-4578           | 4           | Nut-HF                     | 28          | 115-7635           | 1           | Seal-Foam              |

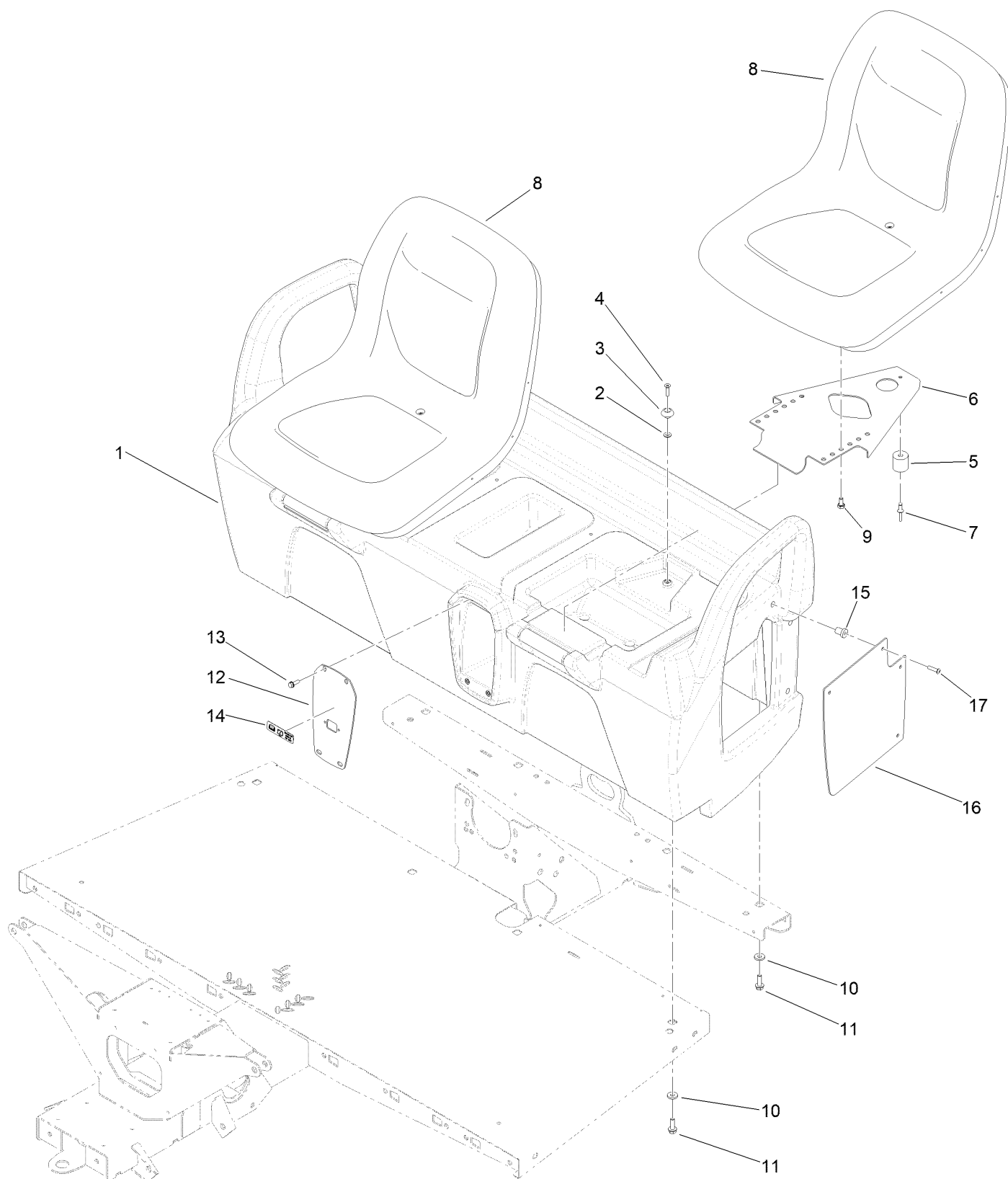
# Dash Assembly



## Dash 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>              |
|-------------|--------------------|-------------|---------------------------|-------------|--------------------|-------------|---------------------------------|
| 2           | 114-8301           | 2           | Spacer                    | 21:3        | 115-2412           | 1           | Decal-No Storage                |
| 3           | 112-3391-0P        | 1           | Bracket-Grip Handle       | 21:4        | 147-4085           | 1           | Decal-Safety Voltage/Fuse Block |
| 4           | 112-3320           | 1           | Handle-Grip               | 22          | 147-3846           | 1           | Decal-Control Panel, MDX-Li     |
| 11          | 104-7201           | 2           | Nut-HF, NI                | 23          | 110-5053           | 3           | Screw-HHF                       |
| 14          | 32144-70           | 6           | Screw-HWHTF               | 24          | 104-8300           | 3           | Nut-HF, NI                      |
| 20          | 147-8185           | 1           | Decal-USB                 | 25          | 147-4084           | 1           | Decal-Service, MDX Li+          |
| 21          | 147-3811           | 1           | Dash-MDX Lithium, Service |             |                    |             |                                 |
| 21:2        | 147-4080           | 1           | Decal-Safety MDX-Lithium  |             |                    |             |                                 |

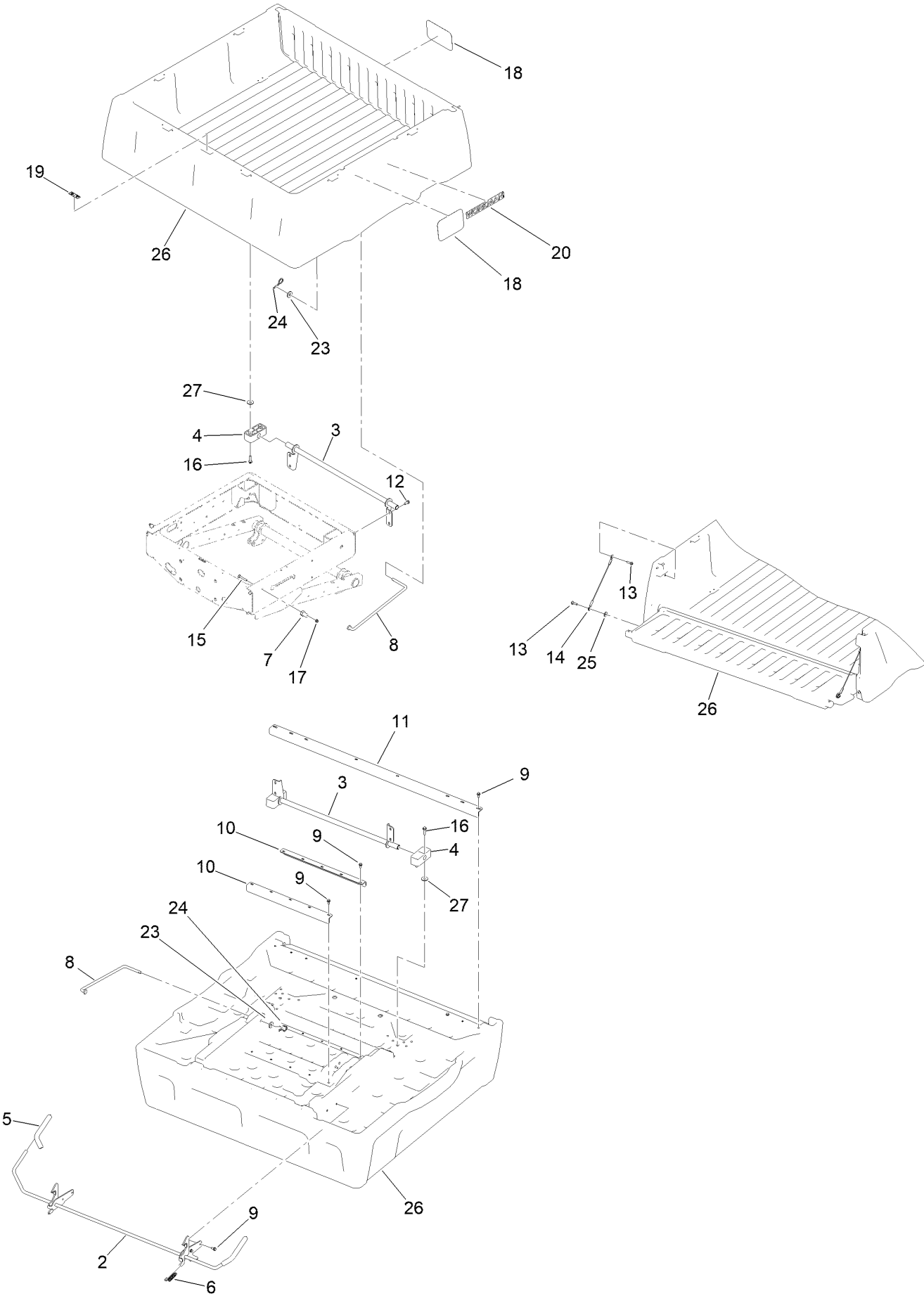
# Seatbase Assembly



## Seatbase 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           | 147-3831           | 1           | Seat Base ASM      | 10          | 88-7200            | 8           | Washer-Flat                 |
| 2           | 3256-1             | 2           | Washer-Flat        | 11          | 3234-17            | 8           | Screw-HHF                   |
| 3           | 99-7833            | 2           | Post-Holding       | 12          | 145-7126-05        | 1           | Plate-Receptacle            |
| 4           | 32108-5            | 2           | Screw-FH           | 13          | 32105-15           | 4           | Screw-HWH                   |
| 5           | 99-7830            | 2           | Receptical-Rubber  | 14          | 140-4590           | 1           | Decal-Charger Input Lithium |
| 6           | 99-7829            | 2           | Bracket-Seat       | 15          | 32117-1            | 4           | Nut-Insert                  |
| 7           | 3290-412           | 2           | Rivet-Blind        | 16          | 145-7127-05        | 1           | Panel-Side                  |
| 8           | 133-0577           | 2           | Seat ASM           | 17          | 3274-65            | 4           | Screw-HSBH                  |
| 9           | 33114-016          | 8           | Screw-HH           |             |                    |             |                             |

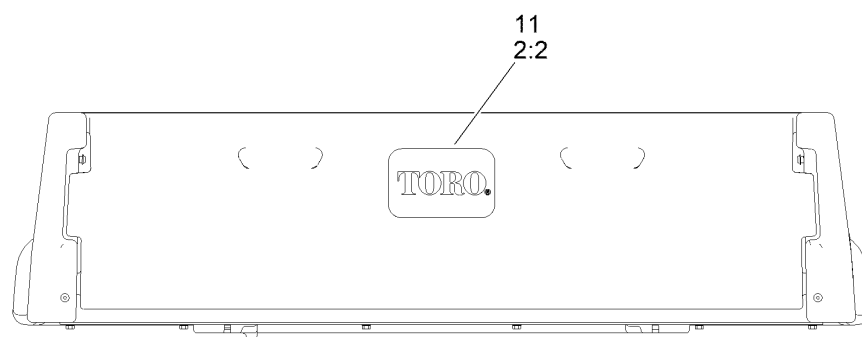
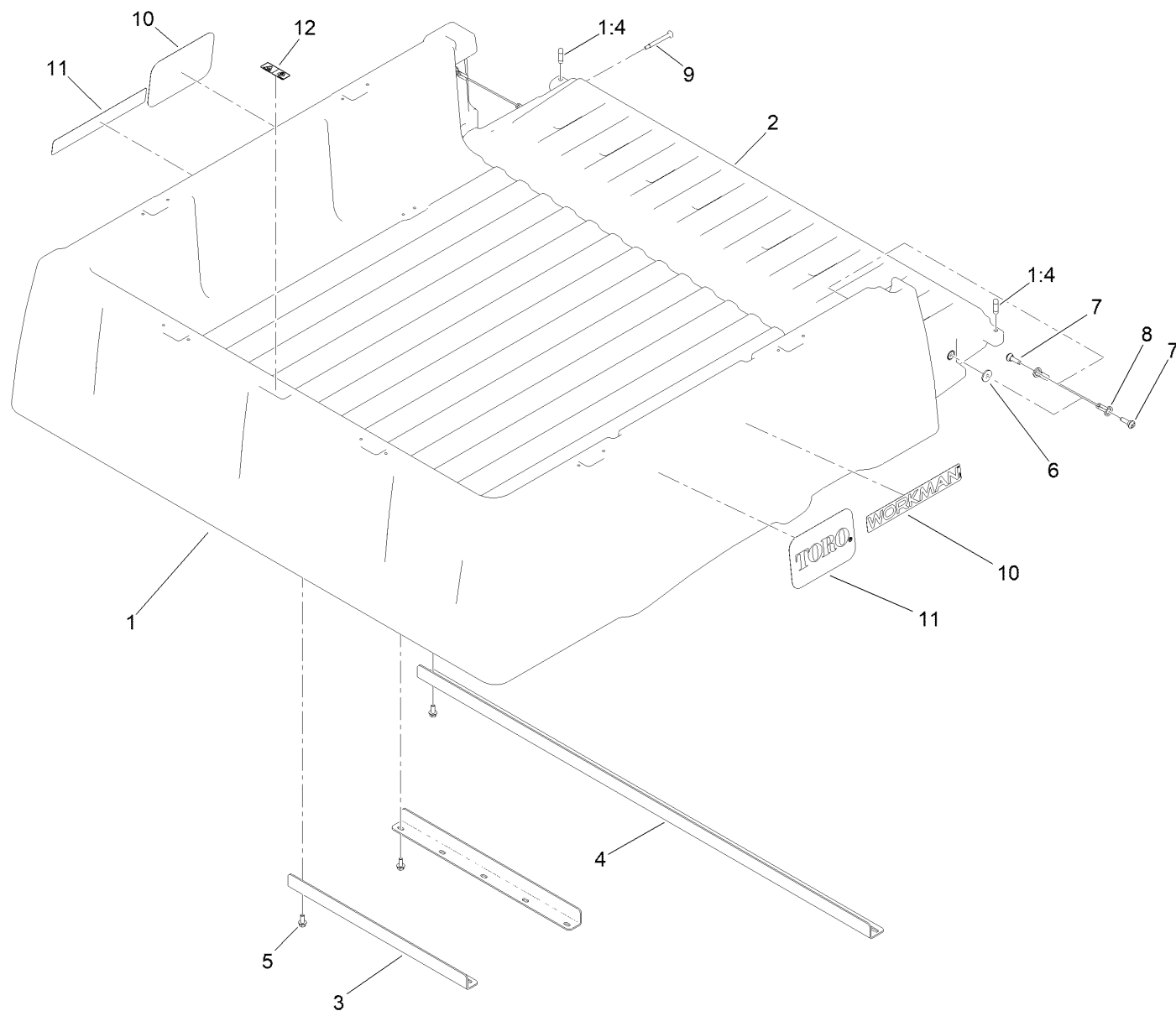
# Cargo Bed Assembly



## Cargo Bed 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>              |
|-------------|--------------------|-------------|----------------------|-------------|--------------------|-------------|---------------------------------|
| 2           | 121-6344           | 1           | Latch                | 15          | 3230-7             | 2           | Bolt-CARR                       |
| 3           | 133-0625-03        | 1           | Bracket-Pivot        | 16          | 3234-18            | 4           | Screw-HHF                       |
| 4           | 121-6342           | 2           | Bushing-Pivot        | 17          | 104-8300           | 2           | Nut-HF, NI                      |
| 5           | 119-9627           | 2           | Grip-Handle          | 18          | 104-7213           | 3           | Decal                           |
| 6           | 5-7290             | 2           | Spring-Tension       | 19          | 115-7739           | 1           | Decal-No Riders                 |
| 7           | 144-2191           | 2           | Pin-Latch            | 20          | 140-4835           | 2           | Decal-Workman, Gray             |
| 8           | 121-6316           | 1           | Rod-Prop             | 23          | 110-6147           | 1           | Washer-Flat                     |
| 9           | 3234-5             | 20          | Screw-HHF            | 24          | 107-3155           | 1           | Hairpin                         |
| 10          | 121-6314-0P        | 2           | Brace-Middle, Bed    | 25          | 115-7109           | 2           | Washer-Flat                     |
| 11          | 121-6315-0P        | 1           | Brace-Rear, Bed      | 26          | 147-4026           | 1           | Cargo Bed/Tailgate ASM<br>[svc] |
| 12          | 126-1696           | 4           | Screw-HWHTF          | 27          | 87-5330            | 4           | Washer                          |
| 13          | 119-2267           | 4           | Screw-Shoulder, BHTF |             |                    |             |                                 |
| 14          | 121-6343           | 2           | Lanyard-Tailgate     |             |                    |             |                                 |

# Cargo Bed Service Assembly No. 147-4026



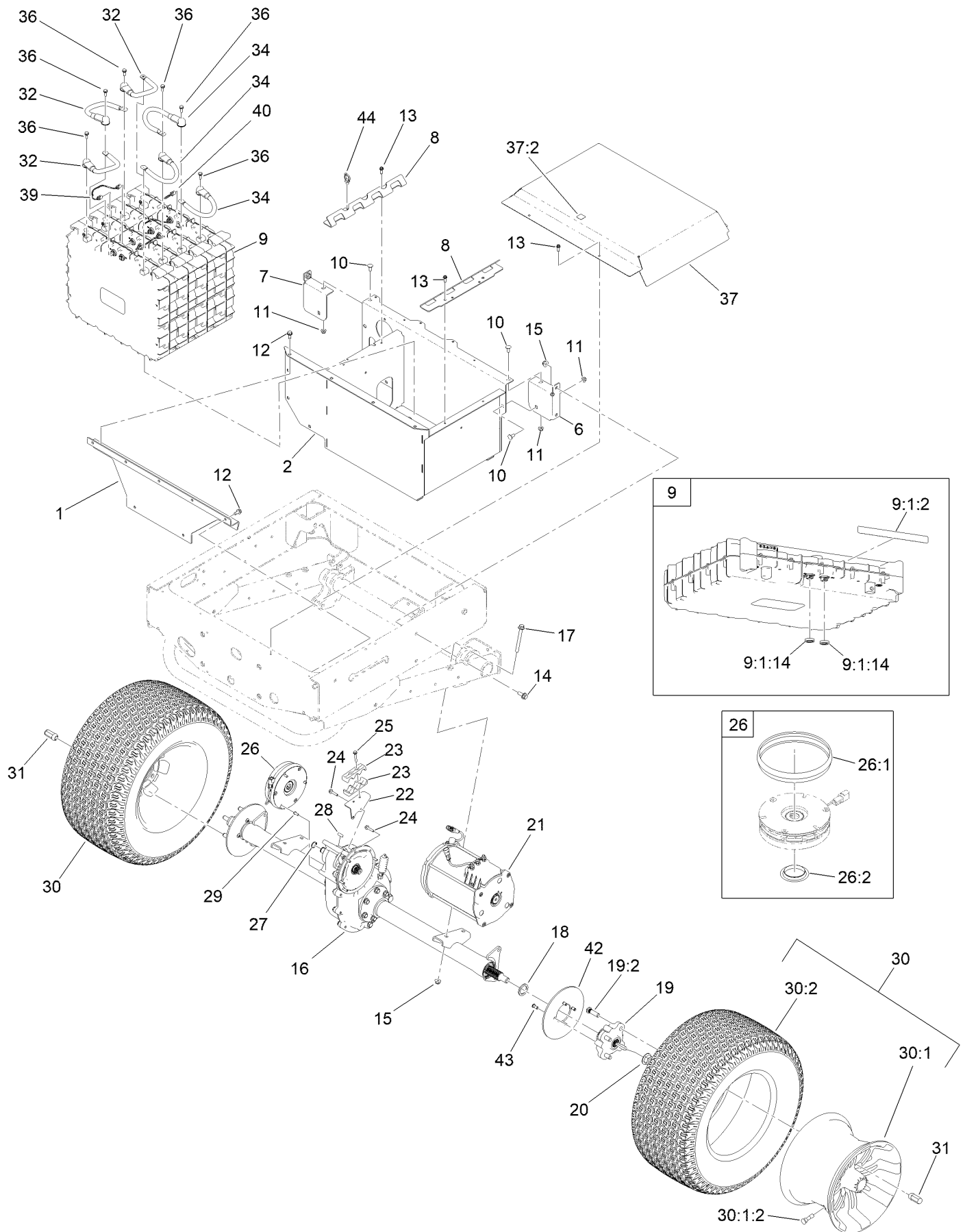
## Cargo Bed Service Assembly No. 147-4026 (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>              |
|-------------|--------------------|-------------|---------------------------------|
| 1           |                    | 1           | Cargo Bed And Tailgate<br>ASM ● |
| 1:4         | 133-7146           | 2           | Plug-Tailgate, Anti-Rattle      |
| 2           | 133-0561           | 1           | Tailgate ASM W/Decals           |
| 2:2         | 104-7213           | 1           | Decal                           |
| 3           | 121-6314-0P        | 2           | Brace-Middle, Bed               |
| 4           | 121-6315-0P        | 1           | Brace-Rear, Bed                 |
| 5           | 3234-5             | 16          | Screw-HHF                       |

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>        |
|-------------|--------------------|-------------|---------------------------|
| 6           | 115-7109           | 2           | Washer-Flat               |
| 7           | 119-2267           | 4           | Screw-Shoulder, BHTF      |
| 8           | 121-6343           | 2           | Lanyard-Tailgate          |
| 9           | 127-7383           | 2           | Screw-Shoulder, Bh (Torx) |
| 10          | 140-4835           | 2           | Decal-Workman, Gray       |
| 11          | 104-7213           | 3           | Decal                     |
| 12          | 115-7739           | 1           | Decal-No Riders           |

● Not serviced separately

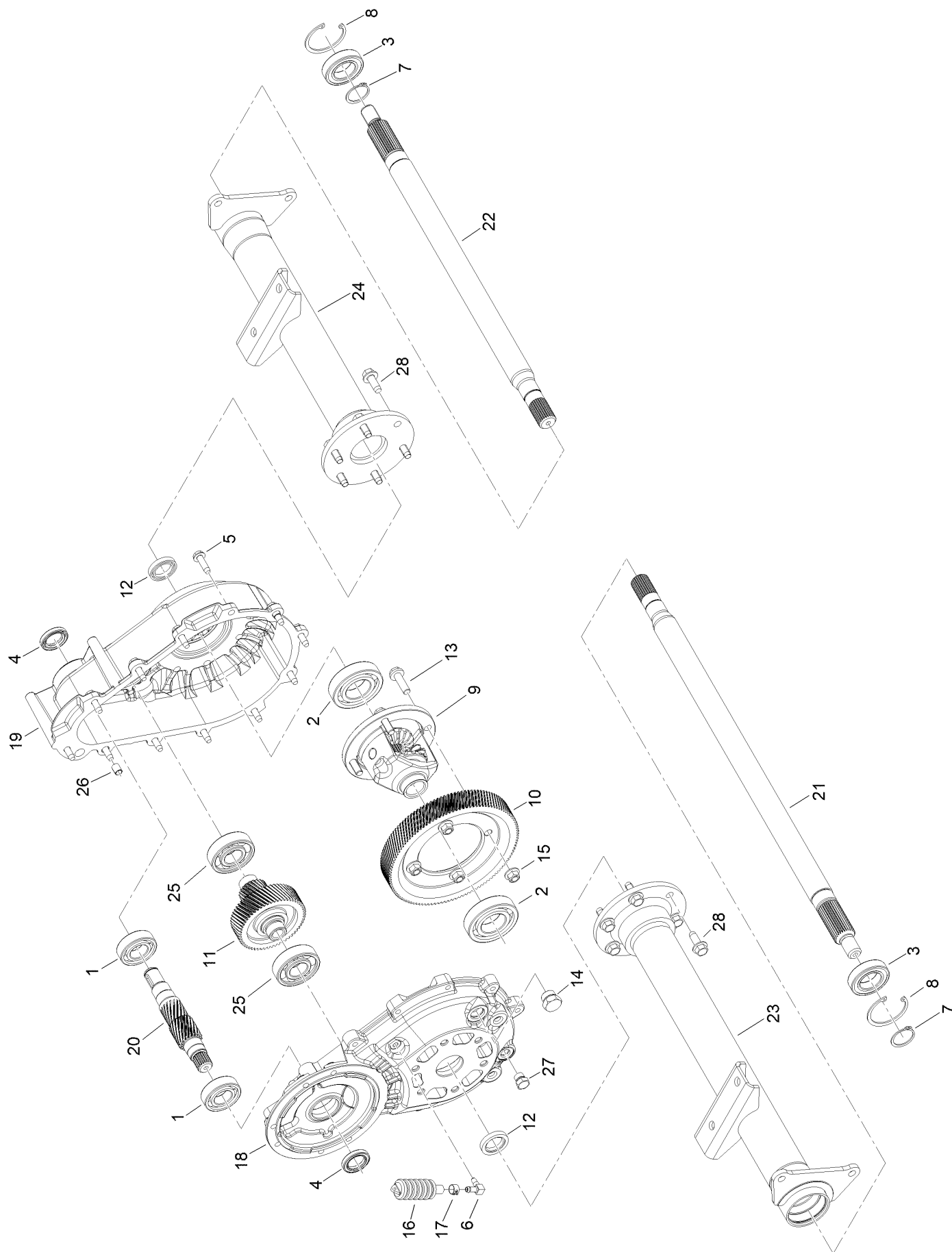
# Battery and Transaxle Assembly



## Battery and Transaxle 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           | 147-3853-0P        | 1           | Bracket-Support, Front   | 25          | 94-2691            | 2           | Screw-HWH Taptite    |
| 2           | 147-3979-0P        | 1           | Box-Battery [primed]     | 26          | 145-7061           | 1           | Brake-Electric       |
| 6           | 147-3852-0P        | 1           | Bracket-Support, Left    | 26:1        | 145-7184           | 1           | Dust Cover           |
| 7           | 147-3854-0P        | 1           | Bracket-Support, Right   | 26:2        | 145-7186           | 1           | End Cap              |
| 8           | 147-3806-0P        | 2           | Hold Down, Battery       | 27          | 32120-15           | 1           | Ring-Snap, EXT       |
| 9           | 145-5320           | 4           | Battery ASM              | 28          | 145-7163           | 1           | Key-Square           |
| 9:1:2       | 145-5338           | 1           | Decal-Warning, Battery   | 29          | 145-7164           | 3           | Screw-HSBH           |
| 9:1:14      | 32180-466          | 2           | Nut-Mounting, Jwpl Panel | 30          | 147-3970           | 2           | Wheel And Tire ASM   |
|             |                    |             | Lock                     | 30:1        | 147-3967           | 1           | Wheel-Aluminum       |
| 10          | 3230-23            | 3           | Bolt-CARR                | 30:1:2      | 232-27             | 1           | Stem-Valve           |
| 11          | 104-8300           | 3           | Nut-HF, NI               | 30:2        | 116-8296           | 1           | Tire-Drive           |
| 12          | 32144-70           | 11          | Screw-HWHTF              | 31          | 139-3603           | 8           | Nut-Lug              |
| 13          | 49-2040            | 8           | Screw-HWHTF              | 32          | 145-7182           | 3           | Cable-Battery,Rd ASM |
| 14          | 3234-42            | 4           | Screw-HHF                | 34          | 145-7183           | 3           | Cable-Battery,Bk ASM |
| 15          | 104-8301           | 8           | Nut-HF, NI               | 36          | 145-5783           | 6           | Screw-Sems           |
| 16          | 147-3858           | 1           | Transaxle ASM            | 37          | 147-4079           | 1           | Battery Cover ASM    |
| 17          | 116-4701           | 4           | Screw-HHF                | 37:2        | 145-7345           | 1           | Decal-Voltage, High  |
| 18          | 144-2444           | 2           | Spacer-Hardened          | 39          | 140-9565           | 3           | Harness-Wire, Data   |
| 19          | 145-7151           | 2           | Rear Hub ASM             |             |                    |             | Interface            |
| 19:2        | 10-6830            | 4           | Stud-Type, Drive         | 40          | 122-2323           | 1           | Harness-Wire, Can    |
| 20          | 32128-53           | 2           | Nut-HF                   |             |                    |             | Terminator           |
| 21          | 137-6936           | 1           | Motor-AC                 | 42          | 139-4474           | 2           | Rotor-Brake          |
| 22          | 147-3859-0P        | 1           | Bracket-Clamp, Cable     | 43          | 121-9671           | 8           | Screw-HSBH           |
| 23          | 145-7166           | 2           | Clamp-Cable              | 44          | 32180-030          | 2           | Clip-Tie             |
| 24          | 33103-030          | 6           | Screw-HHF                |             |                    |             |                      |

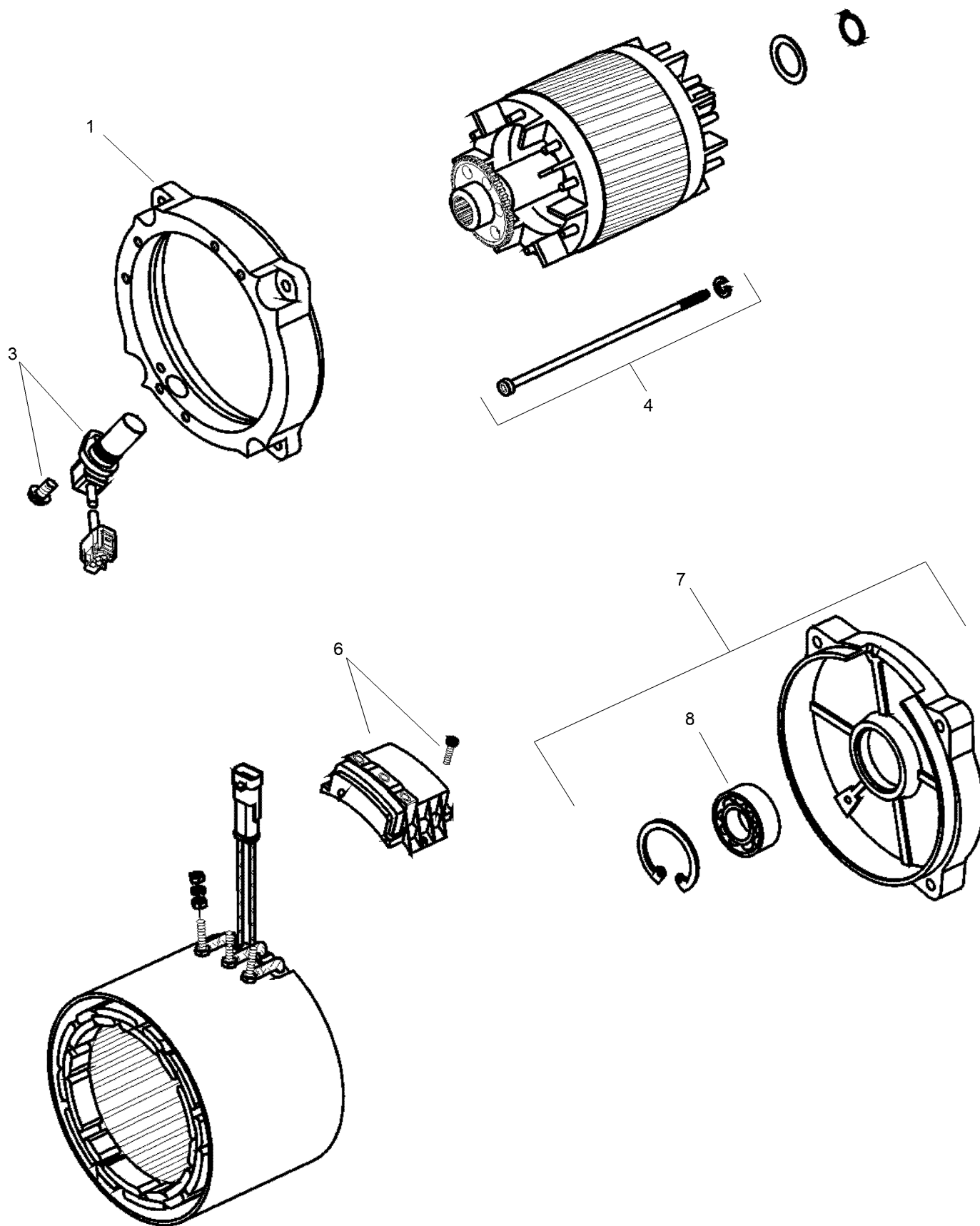
# Transaxle Assembly No. 147-3858



## Transaxle Assembly No. 147-3858 (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           | 145-7286           | 2           | Bearing, Ball, Single Row, 6205          | 13          | 133-2462           | 4           | Bolt-HHF                                |
| 2           | 145-7287           | 2           | Bearing, Ball, Single Row, 6207          | 14          | 145-7319           | 1           | Plug, Hex Head, 3/4-16 Strt Thr, O-Ring |
| 3           | 147-4094           | 2           | Bearing,Ball,Single Row,6006-2Rs,Sealed  | 15          | 133-2463           | 4           | Nut-Lock                                |
| 4           | 145-7289           | 2           | Seal, Oil, .945 Shaft, 1.499 Bore        | 16          | 145-7294           | 1           | Vent, Bellows                           |
| 5           | 147-4095           | 12          | Screw, Hex Head, 5/16-18, Thread Forming | 17          | 145-7295           | 1           | Clamp, Hose                             |
| 6           | 147-4096           | 1           | Tube, Vent                               | 18          | 161-1800           | 1           | Housing, Motor Side                     |
| 7           | 147-4097           | 2           | Ring, Retaining, External, 30MM Shaft    | 19          | 161-1801           | 1           | Housing, Cover, E-Brake                 |
| 8           | 147-4098           | 2           | Ring, Retaining, Internal, 55MM Bore     | 20          | 145-7298           | 1           | Shaft, Input, 18T                       |
| 9           | 147-4099           | 1           | Assembly, Differential Case, Heavy Duty  | 21          | 161-1802           | 1           | Shaft, Axle                             |
| 10          | 145-7291           | 1           | Gear, Helical, Output, Finish, 116T      | 22          | 161-1803           | 1           | Shaft, Axle                             |
| 11          | 145-7292           | 1           | Assembly, Shaft And Gear, Intermediate   | 23          | 161-1804           | 1           | Tube Assembly, LH                       |
| 12          | 145-7293           | 2           | Seal, Oil, 25 MM Shaft, 1.499 Bore       | 24          | 161-1805           | 1           | Tube Assembly, RH                       |
|             |                    |             |                                          | 25          | 145-7299           | 2           | Bearing, Ball, Single Row, 6305         |
|             |                    |             |                                          | 26          | 145-7301           | 2           | Bushing, Dowel, .313 X .500             |
|             |                    |             |                                          | 27          | 145-7302           | 1           | Drain Plug, Magnetic, O-Ring, 1/2-20    |
|             |                    |             |                                          | 28          | 161-1806           | 12          | Screw, Flange Head, 3/8-16 X 1.00       |

# Electric Motor Assembly No. 137-6936

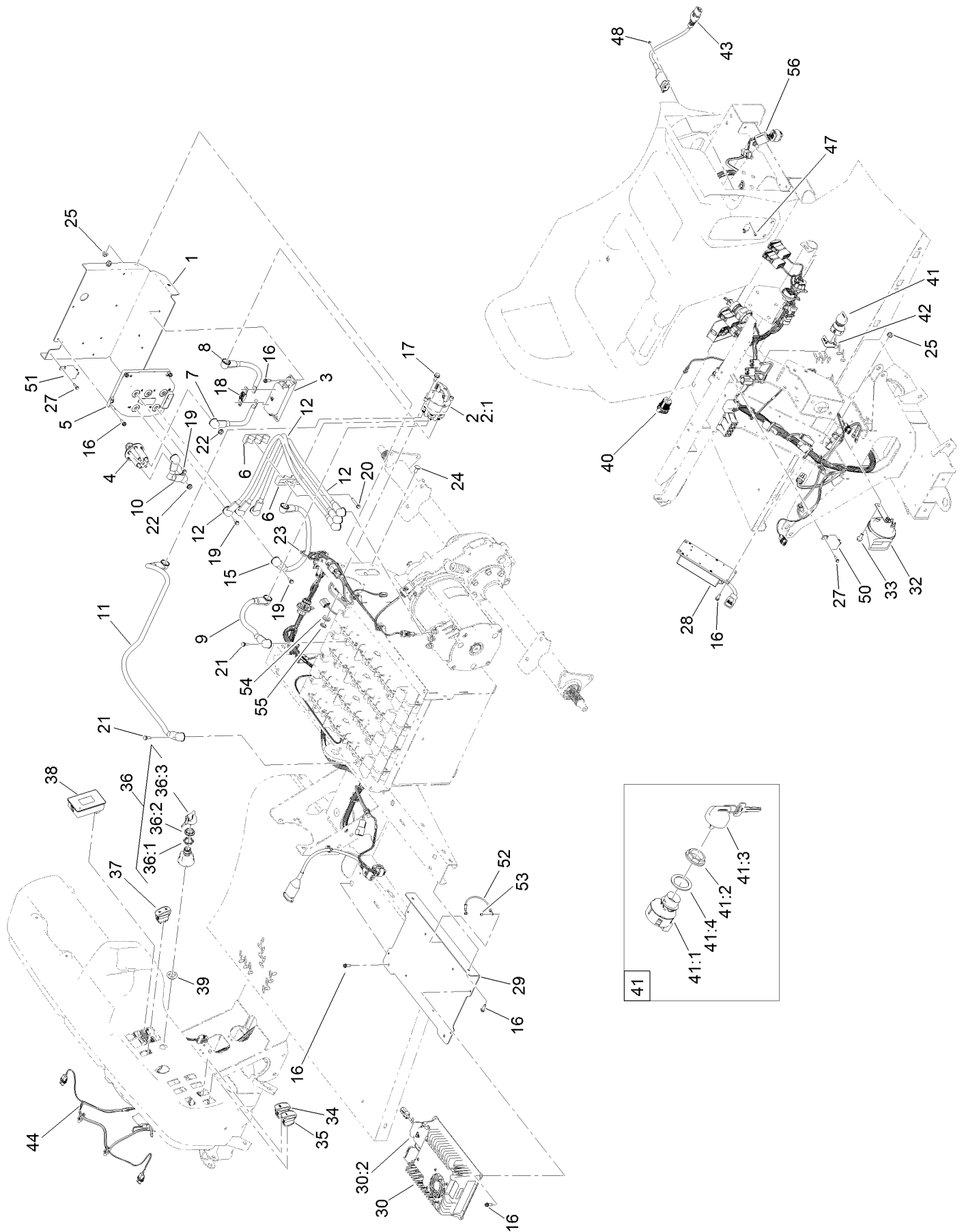


## Electric Motor Assembly No. 137-6936 (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | 132-4924           | 1           | Bracket-End, Drive |
| 3           | 132-4925           | 1           | Sensor             |
| 4           | 132-4926           | 1           | Screw              |

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 6           | 132-4927           | 1           | Plate-Connection   |
| 7           | 132-4928           | 1           | Bracket-End, Rear  |
| 8           | 132-4929           | 1           | Bearing            |

# Electrical Assembly



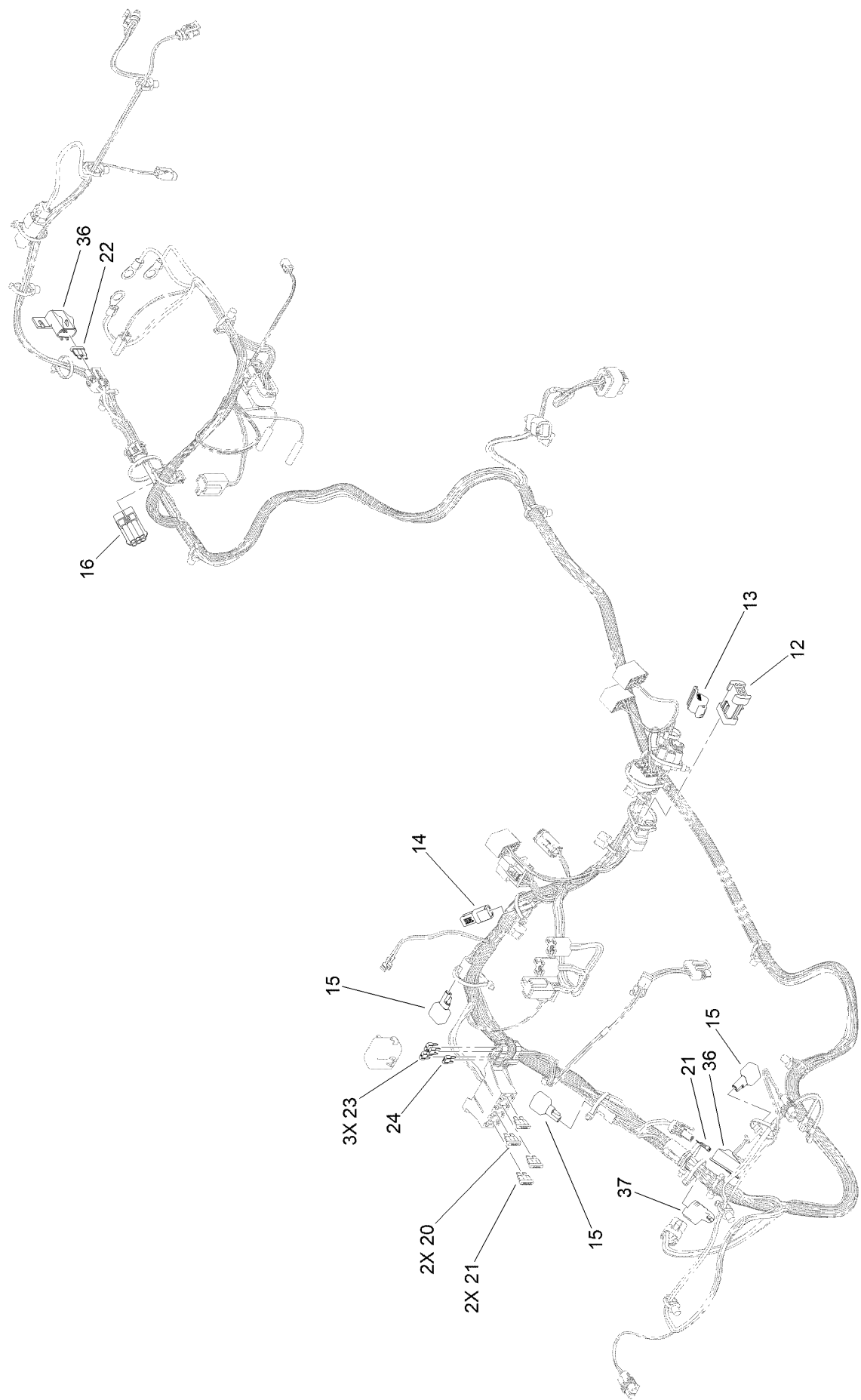
## Electrical Assembly (continued)

| <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           | 147-3861-0P        | 1           | Panel-Electrical, Box        | 35          | 144-2415           | 1           | Switch-Rocker,<br>(On)-None-Off     |
| 2           | 122-0603           | 1           | Switch-Disconnect            | 36          | 122-2513           | 1           | Switch-Ignition, Suns               |
| 2:1         | 33006-00           | 1           | Nut-HF                       | 36:1        | 121-5160           | 1           | Nut-Hex ●                           |
| 3           | 145-4958           | 1           | Holder-Fuse                  | 36:2        | 122-2704           | 1           | Nut-Face, M22 (Plastic)             |
| 4           | 122-2616           | 1           | Contactor-Powerseal          | 36:3        | 121-5162           | 1           | Set-Key, Ignition                   |
| 5           | 145-5050           | 1           | Inv/Ctrlr-48V,185Arms        | 37          | 122-2654           | 1           | Switch-Rocker,<br>On-None-On        |
| 6           | 145-7166           | 2           | Clamp-Cable                  | 38          | 122-2152           | 1           | Controller, Tdm-1601                |
| 7           | 147-3873           | 1           | Cable-Battery, Rd ASM        | 39          | 145-7110           | 1           | Adapter-Switch, Key                 |
| 8           | 147-3874           | 1           | Cable-Battery, Rd ASM        | 40          | 131-8388           | 1           | Socket-USB                          |
| 9           | 145-7277           | 1           | Cable-Battery,Rd ASM         | 41          | 110-2580           | 1           | Switch-Key, Supervisor              |
| 10          | 145-7173           | 1           | Cable-Battery,Rd ASM         | 41:1        |                    | 1           | Switch-Key ■                        |
| 11          | 147-3982           | 1           | Cable-Battery,Bk ASM         | 41:2        | 108-8660           | 1           | Nut-Mounting                        |
| 12          | 145-7279           | 3           | Cable-Battery,Rd ASM         | 41:3        | 110-5221           | 1           | Set-Key, Supervisor                 |
| 15          | 145-7179           | 1           | Cable-Battery,Bk ASM         | 41:4        | 108-8659           | 1           | Washer-Backup                       |
| 16          | 49-2040            | 18          | Screw-HWHTF                  | 42          | 140-0924           | 1           | Decal-Mode                          |
| 17          | 32144-70           | 2           | Screw-HWHTF                  | 43          | 145-7147           | 1           | Cordset W/Filter                    |
| 18          | 122-2630           | 1           | Fuse-250A                    | 44          | 122-2478           | 1           | Harness-Wire, MDX-Li                |
| 19          | 145-5782           | 5           | Screw-Sems                   | 47          | 3249-3             | 2           | Screw-PRH                           |
| 20          | 94-2691            | 2           | Screw-HWH Taptite            | 48          | 3296-9             | 2           | Nut-Hex                             |
| 21          | 145-5783           | 2           | Screw-Sems                   | 50          | 122-2400           | 1           | Relay, 12V Coil, 50A At 48V         |
| 22          | 107-0380           | 2           | Nut-HF                       | 51          | 122-2401           | 1           | Relay, 48V Coil, 50A At 48V         |
| 23          | 32180-030          | 2           | Clip-Tie                     | 52          | 122-2792           | 1           | Harness-Wire, Charger<br>Bonding    |
| 24          | 3230-23            | 6           | Bolt-CARR                    | 53          | 125-0519           | 2           | Screw-Self Tapping                  |
| 25          | 104-8300           | 7           | Nut-HF, NI                   | 54          | 147-3238           | 4           | Washer-Flat                         |
| 27          | 100-4351           | 4           | Screw-HWH                    | 55          | HDW14457           | 4           | Split Lock<br>Washer,1/2,ST/ST,18-8 |
| 28          | 144-6975           | 1           | Converter DC-DC              | 56          | 147-8183           | 2           | Ferrite, Snap-On                    |
| 29          | 147-3815-03        | 1           | Bracket-Charger              |             |                    |             |                                     |
| 30          | 145-1177           | 1           | Charger-Onboard              |             |                    |             |                                     |
| 30:2        | 147-3234           | 1           | Kit-Service, DC Harness      |             |                    |             |                                     |
| 32          | 107-0358           | 1           | Horn                         |             |                    |             |                                     |
| 33          | 110-5053           | 1           | Screw-HHF                    |             |                    |             |                                     |
| 34          | 144-2405           | 1           | Switch-Rocker,<br>On-None-On |             |                    |             |                                     |

● Not illustrated

■ Not serviced separately

Wire Harness Assembly No. 122-2478



## Wire Harness Assembly No. 122-2478 (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>  |
|-------------|--------------------|-------------|---------------------|
| 12          | 32160-036          | 1           | Connector-Mp150, 8M |
| 13          | 32180-089          | 1           | Cap-Plug, 3 Way     |
| 14          | 32180-282          | 1           | Resistor-120 Ohm    |
| 15          | 100-4918           | 3           | Diode               |
| 16          | 32160-035          | 1           | Connector           |
| 20          | 117-4724           | 2           | Fuse-Blade, 10A     |

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>       |
|-------------|--------------------|-------------|--------------------------|
| 21          | 117-4726           | 3           | Fuse-Blade, 20A          |
| 22          | 117-4728           | 1           | Fuse-Blade, 30A          |
| 23          | 121-8864           | 3           | Fuse-Mini Blade, 5 Amp   |
| 24          | 121-8865           | 1           | Fuse-Mini Blade, 7.5 Amp |
| 36          | 32180-567          | 2           | Cover-Aptiv, Modified    |
| 37          | 32180-156          | 1           | Cap-Plug, 6 Way          |

# Attachments and Accessories

## For 08303TC Workman MDX Lithium Utility Vehicle

| Product Name                                                                     | Model/Part |
|----------------------------------------------------------------------------------|------------|
| Canopy Kit .....                                                                 | 07324      |
| Folding Windshield Kit .....                                                     | 07326      |
| Roll-Over Protection System .....                                                | 07276      |
| Side Mirrors Kit .....                                                           | 145-7140   |
| Side Mirror Kit .....                                                            | 119-9546   |
| Electric Lift Kit, MDX LI .....                                                  | 08389      |
| Receiver Hitch Kit .....                                                         | 07278      |
| Hitch ASM .....                                                                  | 131-3462   |
| Stake Pocket Adapter Kit, 2011 and After Workman MD Series Utility Vehicle ..... | 119-9604   |
| Tie-Down Kit, 2011 and After Workman MD Series Utility Vehicle .....             | 119-9605   |
| Front Spring Kit, 2016 and After MDX or MDX-D Series Utility Vehicle .....       | 133-0630   |
| Brush Guard Kit .....                                                            | 07145      |
| Front Hitch Kit, Workman GTX Series Utility Vehicles with Brush Guard .....      | 07146      |
| Trash Can Mounting Kit .....                                                     | 07028      |
| Brake and Signal LED Light Kit, Workman MD Series Utility Vehicle .....          | 145-2082   |
| Reverse Alarm Kit .....                                                          | 131-8549   |
| Universal Wireless Hourmeter Kit .....                                           | 144-2436   |
| Wireless Hour Meter Finish Kit .....                                             | 138-5698   |
| External Antenna Kit, Wireless Hourmeter System .....                            | 115-9524   |
| Base Station Kit, Wireless Hourmeter System .....                                | 115-9542   |
| Repeater Kit, Wireless Hourmeter System .....                                    | 115-9543   |
| Spanner Wrench .....                                                             | 132-5069   |
| Service Hood ASM .....                                                           | 133-7209   |
| Small Seat Cover .....                                                           | 131-6690   |
| Power Point Kit .....                                                            | 131-8550   |

**Notes:**



**Count on it.**