



Form No. 3466-296 Rev A

**Count on it.**

# Parts Catalog

**Vista™**

**6 Passenger Lithium Shuttle Vehicle**

Model No. 08926—Serial No. 415200000 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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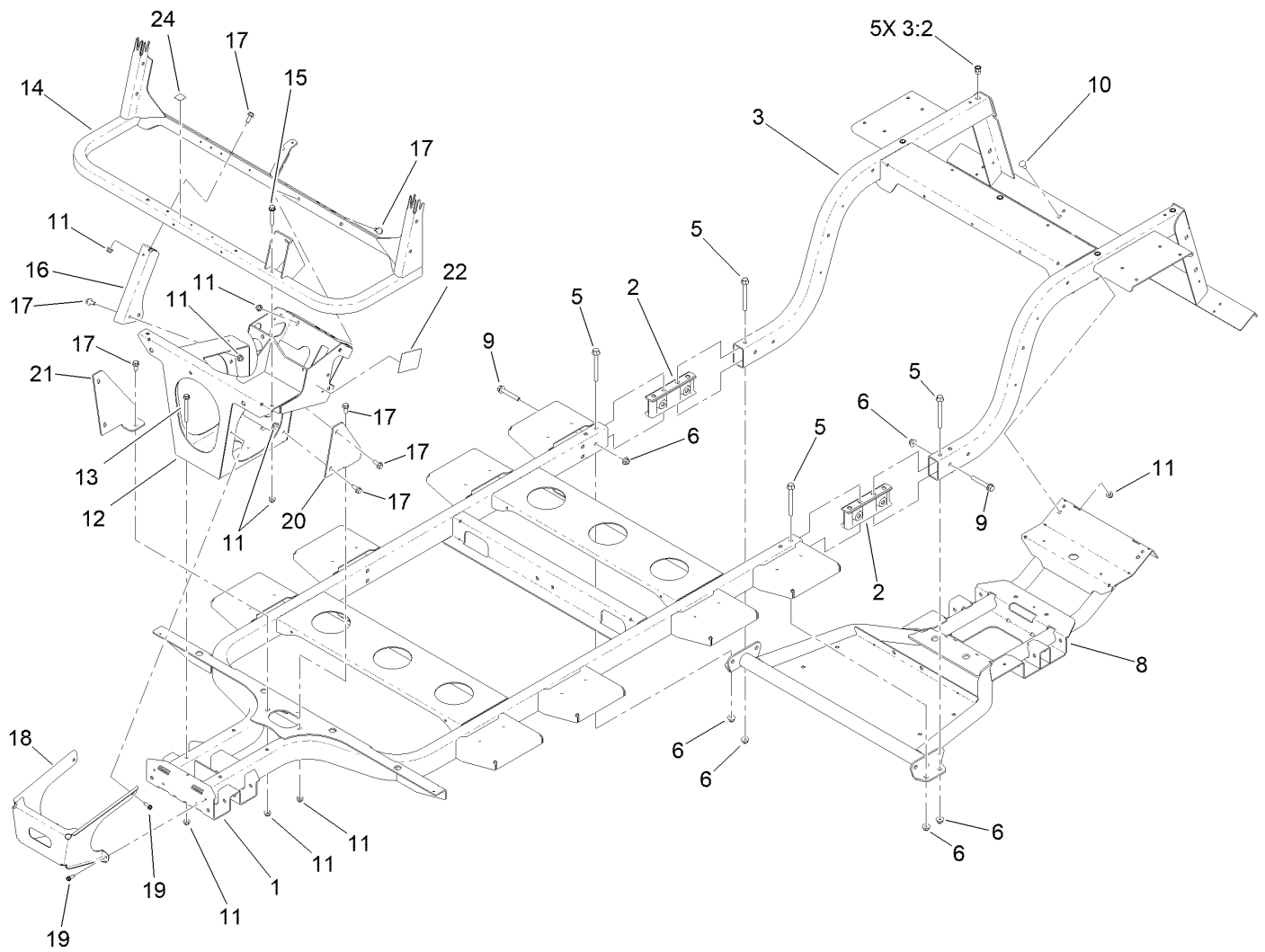
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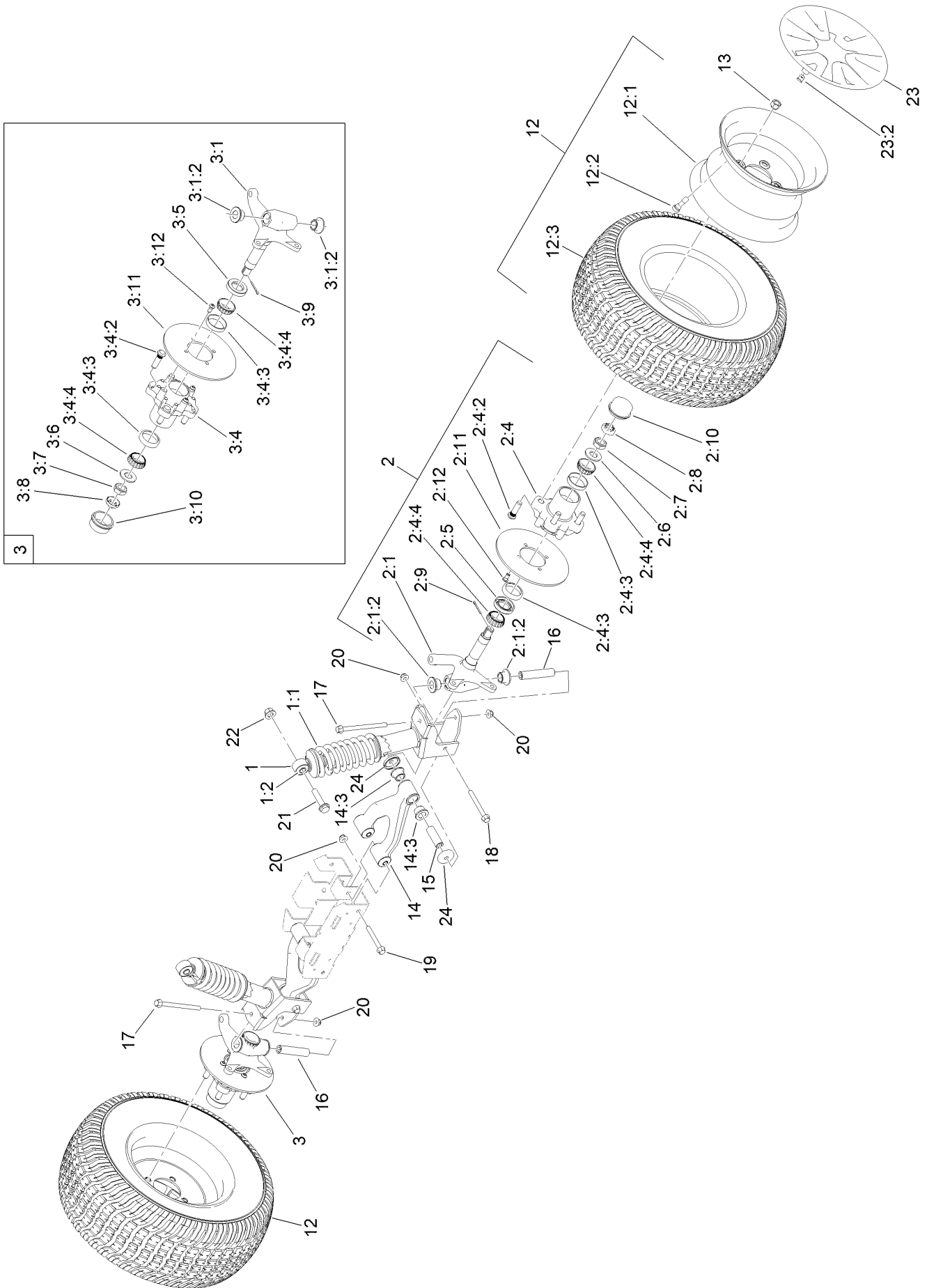
# Frame Assembly



## Frame 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           | 140-0798           | 1           | Front Frame ASM      | 13          | 126-4687           | 4           | Screw-HHF                 |
| 2           | 144-5479           | 2           | Connector-Frame      | 14          | 140-9712-03        | 1           | Canopy Support ASM        |
| 3           | 144-5465           | 1           | Rear Frame ASM       | 15          | 140-9909           | 2           | Screw-HHF                 |
| 3:2         | 138-2899           | 5           | Nut-Clinch           | 16          | 161-2017-03        | 1           | Support-Canopy            |
| 5           | 139-3370           | 8           | Screw-HF             | 17          | 3234-47            | 11          | Screw-HHF                 |
| 6           | 139-3380           | 12          | Nut-HF               | 18          | 140-0940-03        | 1           | Bracket-Support, Bumper   |
| 8           | 140-9746           | 1           | Battery Subframe ASM | 19          | 49-2040            | 4           | Screw-HWHTF               |
| 9           | 144-5559           | 4           | Screw-HHF            | 20          | 145-7152-03        | 1           | Gusset-Frame, LH          |
| 10          | 3230-1             | 2           | Bolt-CARR            | 21          | 145-7153-03        | 1           | Gusset-Frame, RH          |
| 11          | 104-8300           | 19          | Nut-HF, NI           | 22          | 144-5580           | 1           | Decal - Vista Li+ Service |
| 12          | 140-0777-03        | 1           | Shock Tower ASM      | 24          | 145-7345           | 1           | Decal-Voltage, High       |

## Front Suspension Assembly

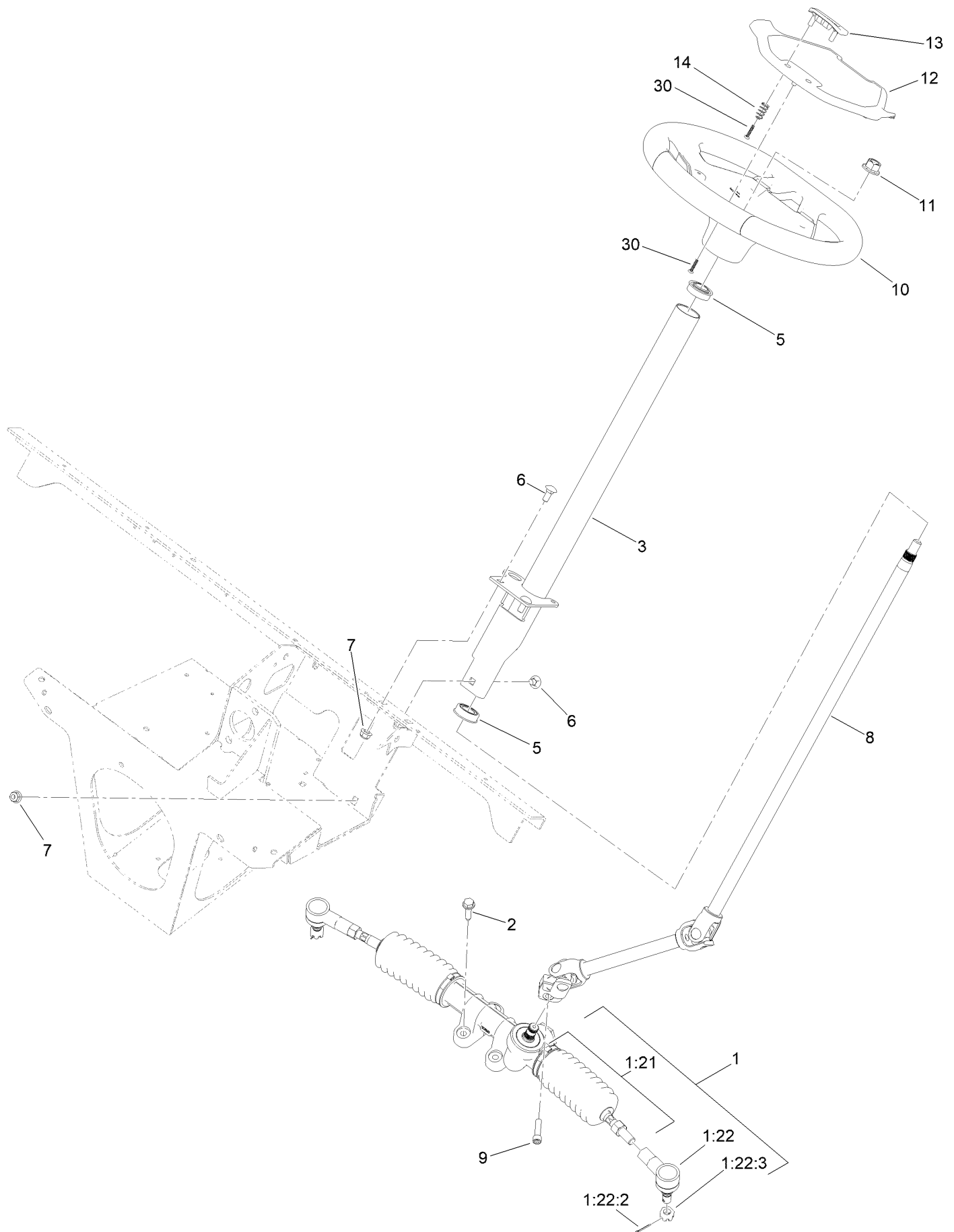


## Front Suspension Assembly (continued)

| <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           | 144-5428           | 2           | Strut ASM (140 Lb/in, 3.00) | 3:6         | 93-0309            | 1           | Washer-Tab         |
| 1:1         | 133-0556           | 1           | Spring-Coil                 | 3:7         | 3220-7             | 1           | Nut-Jam            |
| 1:2         | 131-8574           | 1           | Isolator-Shock              | 3:8         | 93-0307            | 1           | Nut-Lock, Retainer |
| 2           |                    | 1           | LH Spindle ASM ●            | 3:9         | 3272-12            | 1           | Pin-Cotter         |
| 2:1         | 144-5468           | 1           | Spindle ASM LH              | 3:10        | 241-119            | 1           | Cap-Dust           |
| 2:1:2       | 140-4615           | 2           | Bushing-Flange              | 3:11        | 139-4474           | 1           | Rotor-Brake        |
| 2:4         | 144-5470           | 1           | Front Hub ASM               | 3:12        | 121-9671           | 4           | Screw-HSBH         |
| 2:4:2       | 10-6830            | 4           | Stud-Type, Drive            | 12          | 140-9801           | 2           | Tire ASM           |
| 2:4:3       | 254-72             | 2           | Bearing-Cup, Tapered        | 12:1        | 131-8317           | 1           | Wheel              |
| 2:4:4       | 254-94             | 2           | Bearing-Cone, Tapered       | 12:2        | 232-27             | 1           | Stem-Valve         |
| 2:5         | 112-1690           | 1           | Seal-Oil                    | 12:3        | 140-9794           | 1           | Tire               |
| 2:6         | 93-0309            | 1           | Washer-Tab                  | 13          | 242-50             | 8           | Nut-Lug            |
| 2:7         | 3220-7             | 1           | Nut-Jam                     | 14          | 161-1819           | 2           | Control Arm ASM    |
| 2:8         | 93-0307            | 1           | Nut-Lock, Retainer          | 14:3        | 147-3983           | 2           | Bushing-Flange     |
| 2:9         | 3272-12            | 1           | Pin-Cotter                  | 15          | 144-5634           | 2           | Sleeve-Outer       |
| 2:10        | 241-119            | 1           | Cap-Dust                    | 16          | 131-8582           | 2           | Sleeve-Kingpin     |
| 2:11        | 139-4474           | 1           | Rotor-Brake                 | 17          | 139-3350           | 2           | Screw-HF           |
| 2:12        | 121-9671           | 4           | Screw-HSBH                  | 18          | 139-3370           | 2           | Screw-HF           |
| 3           |                    | 1           | RH Spindle ASM ●            | 19          | 140-9853           | 4           | Screw-HF           |
| 3:1         | 144-5469           | 1           | Spindle ASM RH              | 20          | 139-3380           | 8           | Nut-HF             |
| 3:1:2       | 140-4615           | 2           | Bushing-Flange              | 21          | 3234-46            | 2           | Screw-HHF          |
| 3:4         | 144-5470           | 1           | Front Hub ASM               | 22          | 99-5107            | 2           | Nut-Lock           |
| 3:4:2       | 10-6830            | 4           | Stud-Type, Drive            | 23          | 140-0933           | 2           | Wheel Cover ASM    |
| 3:4:3       | 254-72             | 2           | Bearing-Cup, Tapered        | 23:2        | 140-0932           | 3           | Clip-Cover, Wheel  |
| 3:4:4       | 254-94             | 2           | Bearing-Cone, Tapered       | 24          | 140-9793           | 4           | Pin Seal           |
| 3:5         | 112-1690           | 1           | Seal-Oil                    |             |                    |             |                    |

● Not serviced separately

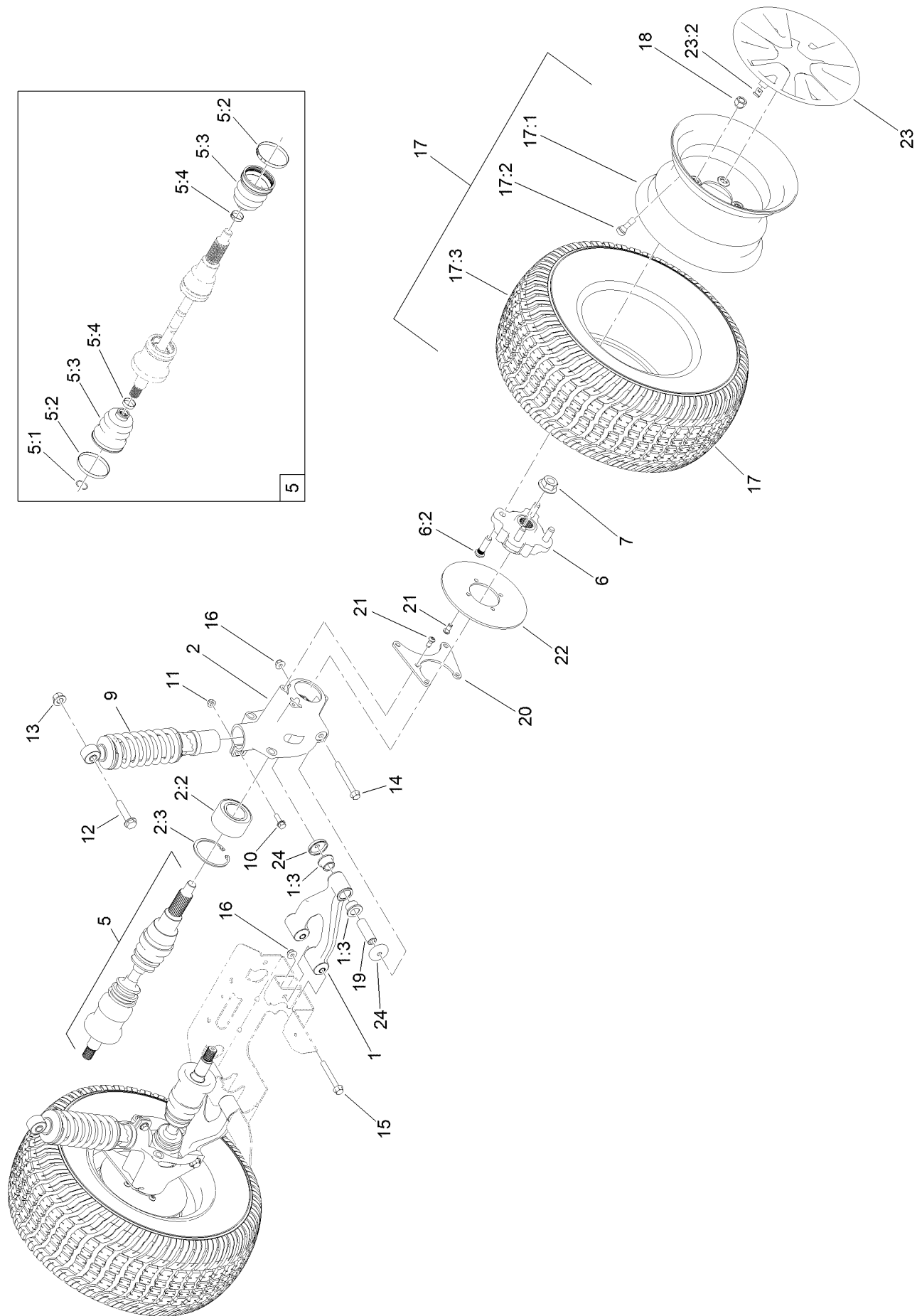
## Steering Assembly



## 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           | 140-9830           | 1           | Steering Rack ASM   | 7           | 104-8300           | 3           | Nut-HF, NI            |
| 1:21        | 140-9829           | 1           | Kit-Tie Rod ASM     | 8           | 140-9704           | 1           | Shaft-Steering        |
| 1:22        | 140-4592           | 1           | Kit-Rod End ASM     | 9           | 145-7145           | 1           | Screw-HSH,Lock        |
| 1:22:2      | 3272-42            | 1           | Pin-Cotter          | 10          | 144-5570           | 1           | Steering Wheel ASM    |
| 1:22:3      | 140-2493           | 1           | Nut-Hex, Slotted    | 11          | 99-5107            | 1           | Nut-Lock              |
| 2           | 32144-49           | 4           | Screw-HWHTF         | 12          | 144-5567           | 1           | Cover-Wheel, Steering |
| 3           | 140-9705           | 1           | Steering Column ASM | 13          | 144-5566           | 1           | Clip-Wheel, Steering  |
| 5           | 112-3262           | 2           | Bearing             | 14          | 144-5537           | 2           | Spring-Compression    |
| 6           | 3230-1             | 3           | Bolt-CARR           | 30          | 94-4496            | 5           | Screw-PPH             |

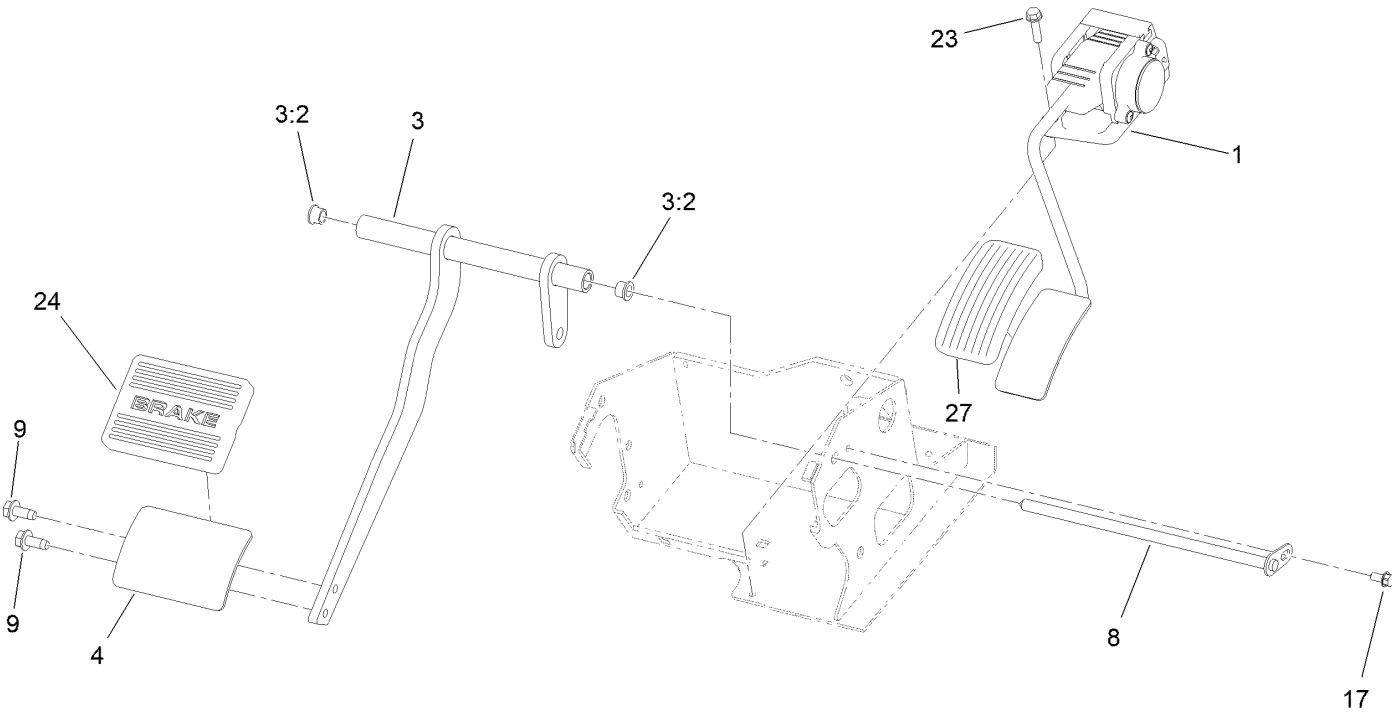
# Rear Suspension Assembly



## Rear 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           | 161-1819           | 2           | Control Arm ASM    | 13          | 99-5107            | 2           | Nut-Lock           |
| 1:3         | 147-3983           | 2           | Bushing-Flange     | 14          | 139-3370           | 2           | Screw-HF           |
| 2           | 144-5555           | 2           | Rear Upright ASM   | 15          | 140-9853           | 4           | Screw-HF           |
| 2:2         | 133-7272           | 1           | Bearing-Ball       | 16          | 139-3380           | 6           | Nut-HF             |
| 2:3         | 144-2207           | 1           | Ring-Retaining     | 17          | 140-9801           | 2           | Tire ASM           |
| 5           | 145-7062           | 2           | Cv Axle            | 17:1        | 131-8317           | 1           | Wheel              |
| 5:1         | 145-7195           | 1           | Circlip            | 17:2        | 232-27             | 1           | Stem-Valve         |
| 5:2         | 145-7196           | 2           | Clamp              | 17:3        | 140-9794           | 1           | Tire               |
| 5:3         | 145-7197           | 2           | Boot-Cv            | 18          | 242-50             | 8           | Nut-Lug            |
| 5:4         | 145-7198           | 2           | Clamp-Cv           | 19          | 144-5634           | 2           | Sleeve-Outer       |
| 6           | 145-7151           | 2           | Rear Hub ASM       | 20          | 140-9749           | 2           | Plate-Caliper      |
| 6:2         | 10-6830            | 4           | Stud-Type, Drive   | 21          | 121-9671           | 14          | Screw-HSBH         |
| 7           | 32128-53           | 2           | Nut-HF             | 22          | 139-4474           | 2           | Rotor-Brake        |
| 9           | 139-4291           | 2           | Shock ASM          | 23          | 140-0933           | 2           | Wheel Cover ASM    |
| 10          | 3234-29            | 2           | Screw-HHF          | 23:2        | 140-0932           | 3           | Clip-Cover, Wheel  |
| 11          | 104-8300           | 2           | Nut-HF, NI         | 24          | 140-9793           | 4           | Pin Seal           |
| 12          | 3234-46            | 2           | Screw-HHF          |             |                    |             |                    |

# Brake and Throttle Pedal Assembly

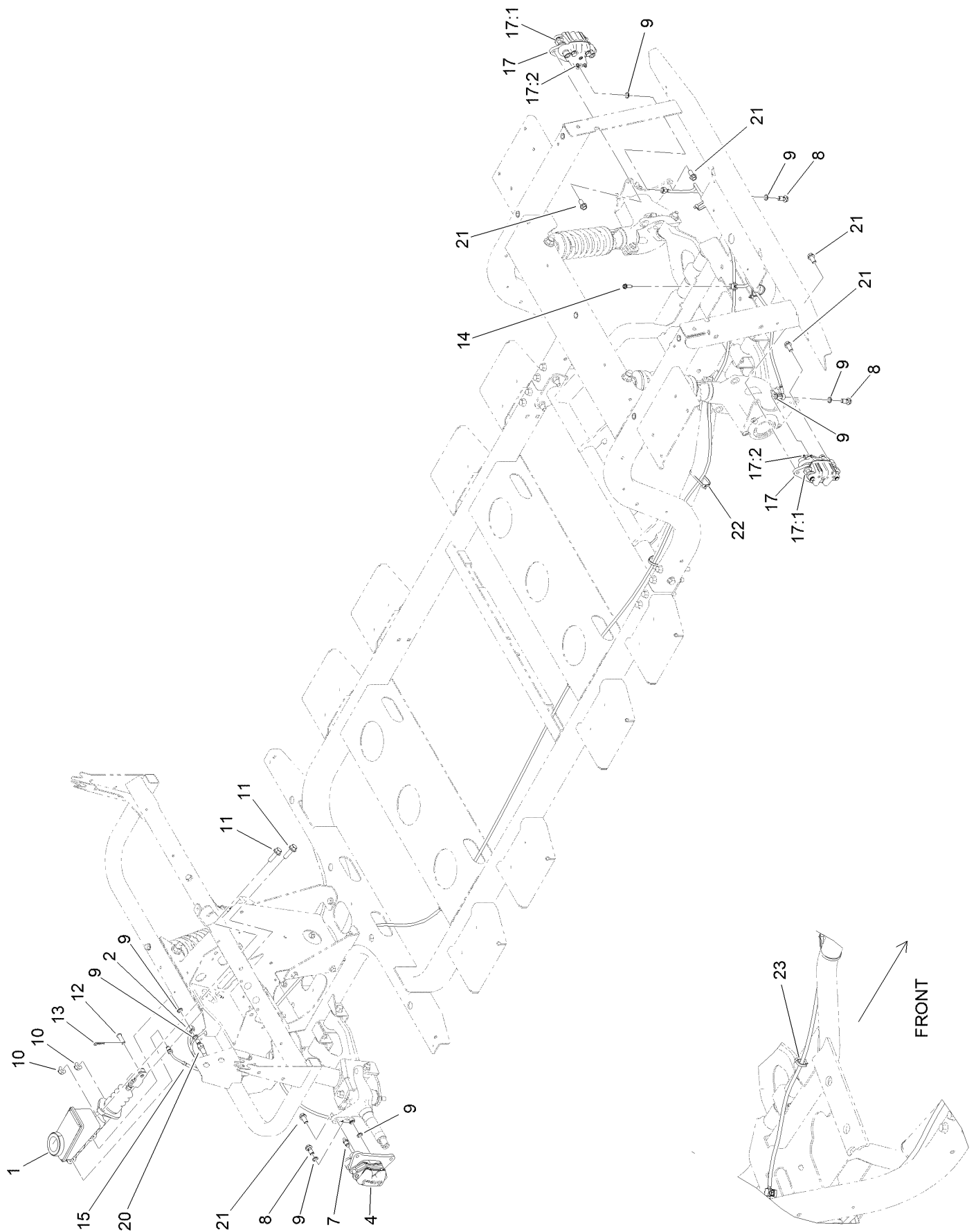


## Brake and Throttle Pedal Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>  |
|-------------|--------------------|-------------|---------------------|
| 1           | 140-9859           | 1           | Throttle-Electronic |
| 3           | 145-7162           | 1           | Brake Pedal ASM     |
| 3:2         | 256-116            | 2           | Bushing-Flange      |
| 4           | 138-5763-03        | 1           | Brake Pedal ASM     |
| 8           | 140-0772           | 1           | Flag Pin ASM        |

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 9           | 32144-70           | 2           | Screw-HWHTF        |
| 17          | 32144-4            | 1           | Screw-HWH          |
| 23          | 32144-86           | 3           | Screw-HWHTF        |
| 24          | 7-3900             | 1           | Pad-Brake          |
| 27          | 140-4572           | 1           | Pedal Pad-Throttle |

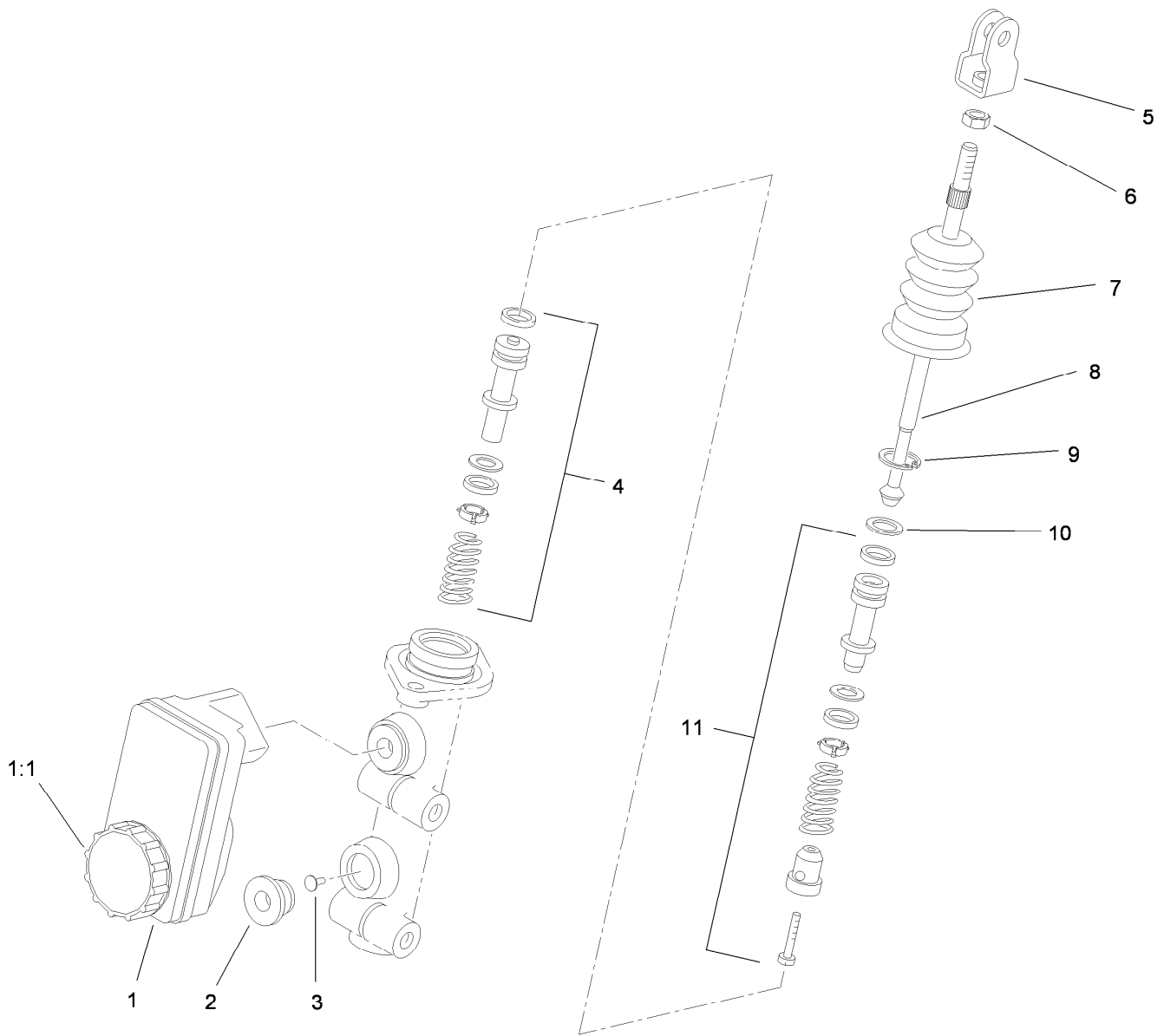
# Front and Rear Brake Assembly



## Front and Rear Brake Assembly (continued)

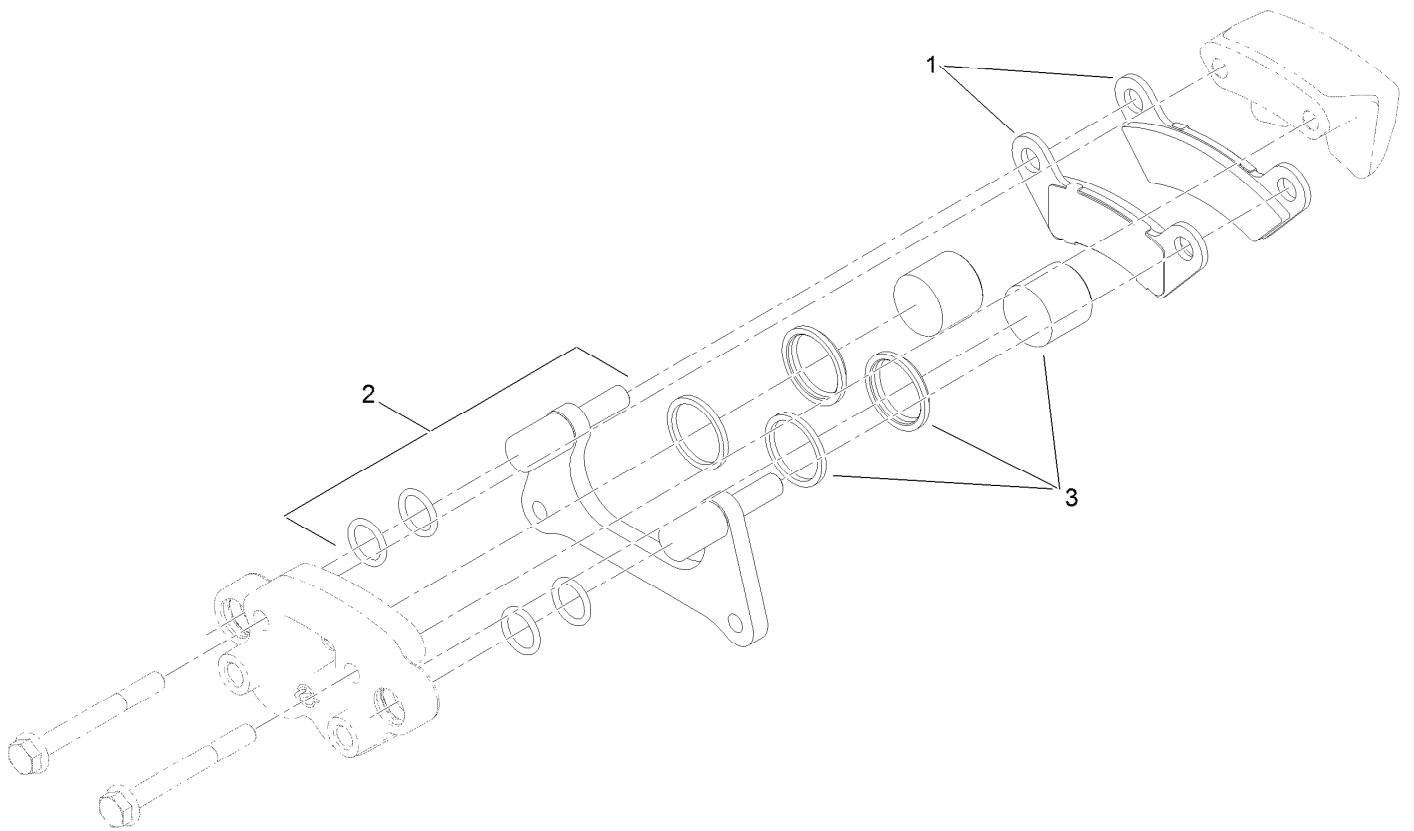
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>  | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                  |
|-------------|--------------------|-------------|---------------------|-------------|--------------------|-------------|-------------------------------------|
| 1           | 104-6782           | 1           | Master Cylinder ASM | 15          | 140-9996           | 1           | Brake Line ASM                      |
| 2           | 140-9993           | 1           | Brake Line ASM      | 17          | 145-7159           | 2           | Brake Caliper ASM                   |
| 4           | 140-2575           | 2           | Brake Caliper ASM   | 17:1        | 140-2595           | 1           | Brake Pad Service Kit (Rear, Qty 4) |
| 7           | 119-9509           | 2           | Screw-Bleed         | 17:2        | 145-7149           | 1           | Fitting-Bleed Screw                 |
| 8           | 120-4875           | 4           | Bolt-Flange, Banjo  | 17:3        | 136-6328           | 2           | Spring-Rattle, Anti ●               |
| 9           | 115-2341           | 10          | Washer-Banjo        | 20          | 144-2227           | 1           | Switch-Brake, Pressure              |
| 10          | 104-8301           | 2           | Nut-HF, NI          | 21          | 144-5550           | 8           | Screw-Spl                           |
| 11          | 119-4061           | 2           | Screw-HHF           | 22          | 3290-378           | 7           | Tie-Cable                           |
| 12          | 283-2              | 1           | Pin-Clevis          | 23          | 32180-030          | 1           | Clip-Tie                            |
| 13          | 1-806003           | 1           | Pin-Cotter          |             |                    |             |                                     |
| 14          | 49-2040            | 2           | Screw-HWHTF         |             |                    |             |                                     |

● Not illustrated



## Master Cylinder Assembly No. 104-6782

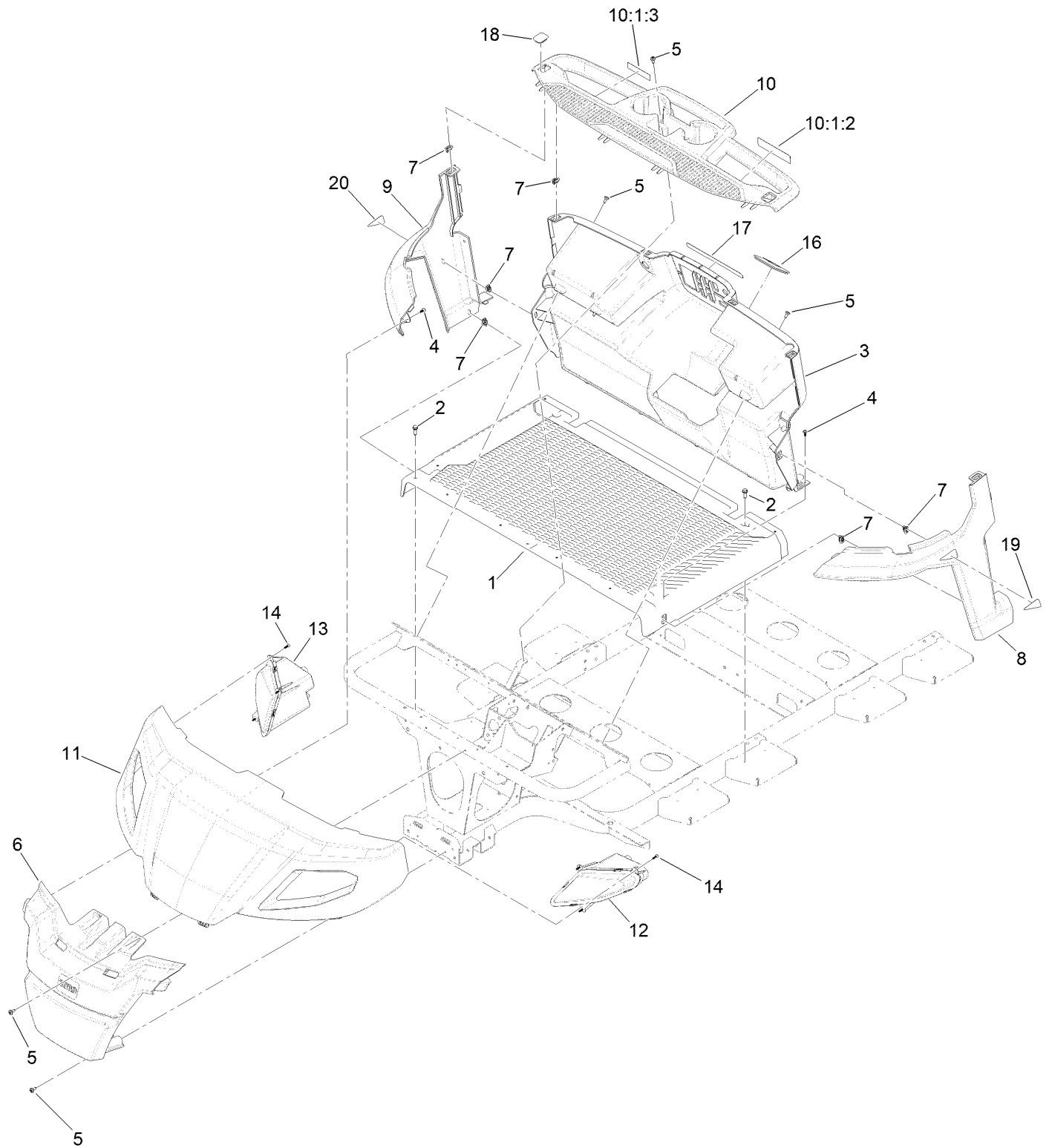
| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 1    | 104-6845    | 1    | Reservoir ASM        |
| 1:1  | 92-4112     | 1    | Cap ASM              |
| 2    | 93-8971     | 2    | Seal-Port, Flange    |
| 3    | 92-4103     | 1    | Pin-Stop             |
| 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. 140-2575

| <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                           |

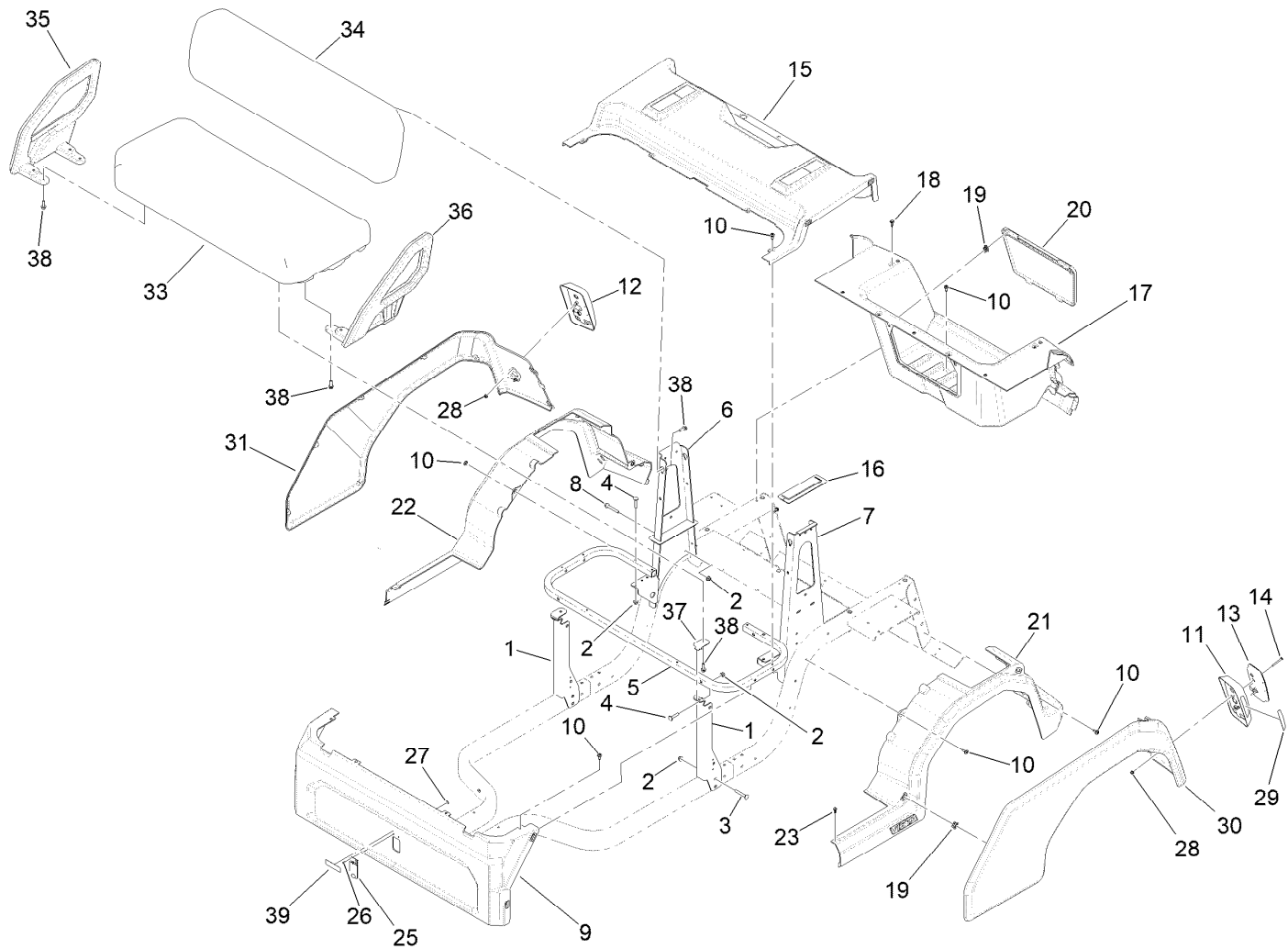
# Hood, Front Fenders and Dash Assembly



## Hood, Front Fenders and 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>               |
|-------------|--------------------|-------------|----------------------------------|-------------|--------------------|-------------|----------------------------------|
| 1           | 140-0850SP         | 1           | Floor-Front                      | 11          | 145-7200SP         | 1           | Hood-Vista, Beige                |
| 2           | 701243             | 5           | Screw-Thd Roll, HWH              | 12          | 140-0890           | 1           | Headlight-LH                     |
| 3           | 140-9901SP         | 1           | Dash                             | 13          | 140-0891           | 1           | Headlight-RH                     |
| 4           | 138-5775           | 10          | Screw-Delta Point                | 14          | 140-9930           | 6           | Screw-Bhf, Plastic               |
| 5           | 120-7950           | 8           | Screw-Torx                       | 16          | 144-5505           | 1           | Grommet-Column, Steering         |
| 6           | 140-0845SP         | 1           | Bumper-Front                     | 17          | 144-5573           | 1           | Decal-Control Panel,<br>Electric |
| 7           | 140-9908           | 10          | Clip-Trim                        | 18          | 145-7122           | 2           | Cap-Plug, Dash                   |
| 8           | 140-0842SP         | 1           | Fender-Front, LH                 | 19          | 140-0941           | 1           | Decal-Reflector, Front, LH       |
| 9           | 140-0843SP         | 1           | Fender-Front, RH                 | 20          | 140-0942           | 1           | Decal-Reflector, Front, RH       |
| 10          | 145-7051SP         | 1           | Dash-Top 6/8P                    |             |                    |             |                                  |
| 10:1:2      | 144-5571           | 1           | Decal-Vista Safety, Driver       |             |                    |             |                                  |
| 10:1:3      | 140-0920           | 1           | Decal-Vista Safety,<br>Passenger |             |                    |             |                                  |

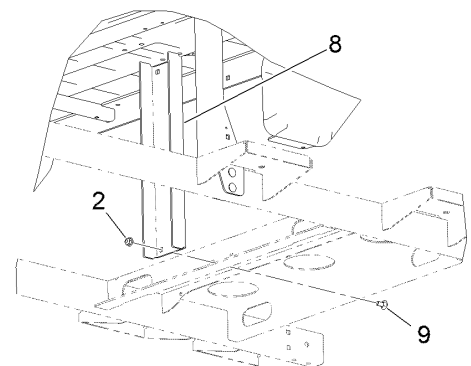
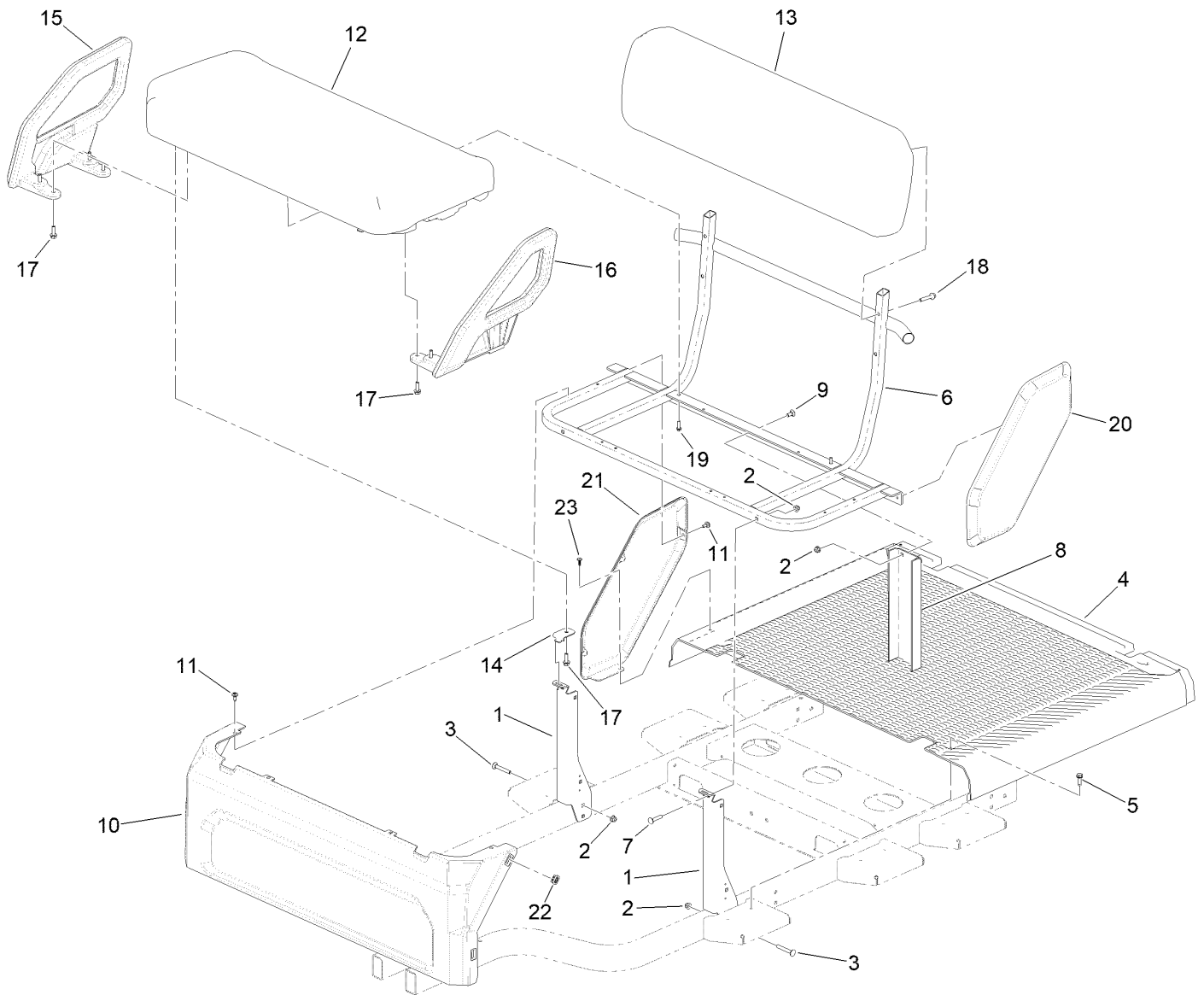
# Main Seat and Rear Fenders Assembly



## Main Seat and Rear 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           | 140-0800-03        | 2           | Bracket-Support, Seat Frame | 19          | 140-9908           | 14          | Clip-Trim                   |
| 2           | 104-8300           | 12          | Nut-HF, NI                  | 20          | 140-0866           | 1           | Door-Access, Rear           |
| 3           | 3230-7             | 4           | Bolt-CARR                   | 21          | 140-0847SP         | 1           | Fender-Rear, LH             |
| 4           | 3230-4             | 4           | Bolt-CARR                   | 22          | 140-0848SP         | 1           | Fender-Rear, RH             |
| 5           | 140-9788-03        | 1           | Tube-Frame, Seat Bottom     | 23          | 138-5775           | 2           | Screw-Delta Point           |
| 6           | 144-5623-03        | 1           | Bracket-Back, RH            | 25          | 144-6628           | 1           | Plate-Cover, Spring         |
| 7           | 144-5622-03        | 1           | Bracket-Back, LH            | 26          | 3290-271           | 2           | Rivet-Pop                   |
| 8           | 139-4479           | 4           | Screw-HHF                   | 27          | 3269-10            | 2           | Washer-Back                 |
| 9           | 147-3889SP         | 1           | Panel-Base, Seat            | 28          | 138-0719           | 4           | Nut-HF                      |
| 10          | 120-7950           | 14          | Screw-Torx                  | 29          | 140-0943           | 2           | Decal-Reflector, Rear       |
| 11          | 140-9910           | 1           | Housing-Tail Light, LH      | 30          | 145-7210SP         | 1           | Panel-Rear, LH Beige        |
| 12          | 140-9911           | 1           | Housing-Tail Light, RH      | 31          | 145-7220SP         | 1           | Panel-Rear, RH Beige        |
| 13          | 139-2071           | 2           | Light-Rear Tail/Stop/Turn   | 33          | 140-9941SP         | 1           | Seat Bottom ASM-Beige       |
| 14          | 3250-48            | 4           | Screw-PPH                   | 34          | 140-9943SP         | 1           | Seat Backrest ASM-Beige     |
| 15          | 140-0846SP         | 1           | Cover-Rear                  | 35          | 140-0804SP         | 1           | Restraint-Hip, RH           |
| 16          | 140-9904           | 2           | Grommet-Bracket, Seat       | 36          | 140-0802SP         | 1           | Restraint-Hip, LH           |
| 17          | 140-0851SP         | 1           | Tub-Rear                    | 37          | 140-0812           | 2           | Bracket-Hinge, Seat         |
| 18          | 125-9622           | 8           | Rivet-Blind                 | 38          | 115-5142           | 14          | Screw-HHF                   |
|             |                    |             |                             | 39          | 140-4590           | 1           | Decal-Charger Input Lithium |

# Passenger Seat Assembly

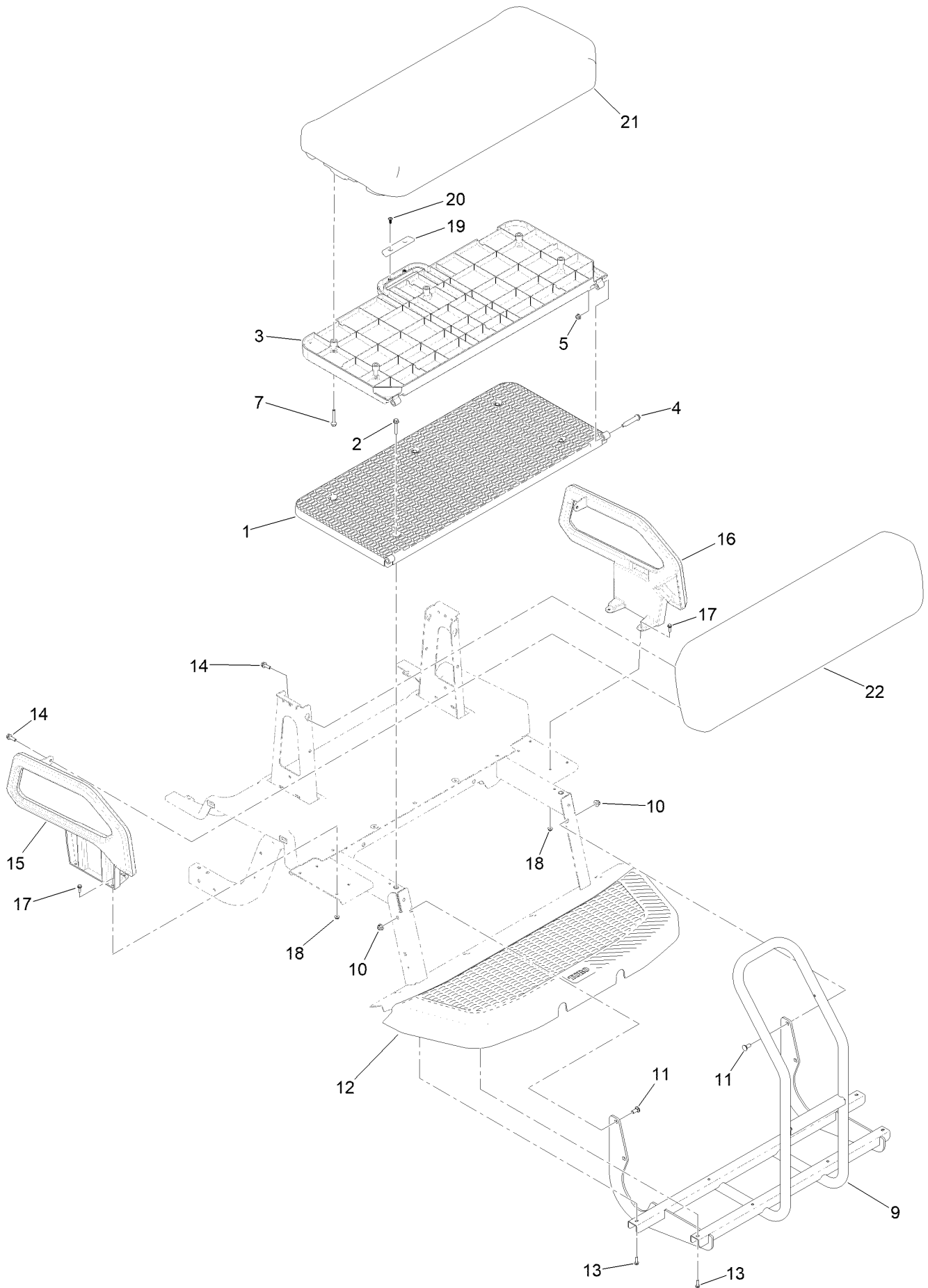


BOTTOM VIEW

## Passenger Seat 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           | 140-0800-03        | 2           | Bracket-Support, Seat Frame | 12          | 140-9941SP         | 1           | Seat Bottom ASM-Beige   |
| 2           | 104-8300           | 10          | Nut-HF, NI                  | 13          | 140-9943SP         | 1           | Seat Backrest ASM-Beige |
| 3           | 3230-7             | 4           | Bolt-CARR                   | 14          | 140-0812           | 2           | Bracket-Hinge, Seat     |
| 4           | 140-0870SP         | 1           | Floor-Middle                | 15          | 140-0804SP         | 1           | Restraint-Hip, RH       |
| 5           | 701243             | 4           | Screw-Thd Roll, HWH         | 16          | 140-0803SP         | 1           | Restraint-Hip, Driver   |
| 6           | 140-9785SP         | 1           | Seat Support ASM            | 17          | 115-5142           | 10          | Screw-HHF               |
| 7           | 3230-4             | 2           | Bolt-CARR                   | 18          | 145-7105           | 4           | Screw-HHF               |
| 8           | 140-9753-05        | 1           | Post-Center                 | 19          | 46-8091            | 2           | Screw-HWH               |
| 9           | 3230-1             | 4           | Bolt-CARR                   | 20          | 145-7230           | 1           | Panel-Seat, LH          |
| 10          | 140-0849SP         | 1           | Panel-Base, Seat            | 21          | 145-7240           | 1           | Panel-Seat, RH          |
| 11          | 120-7950           | 6           | Screw-Torx                  | 22          | 140-9908           | 4           | Clip-Trim               |
|             |                    |             |                             | 23          | 138-5775           | 2           | Screw-Delta Point       |

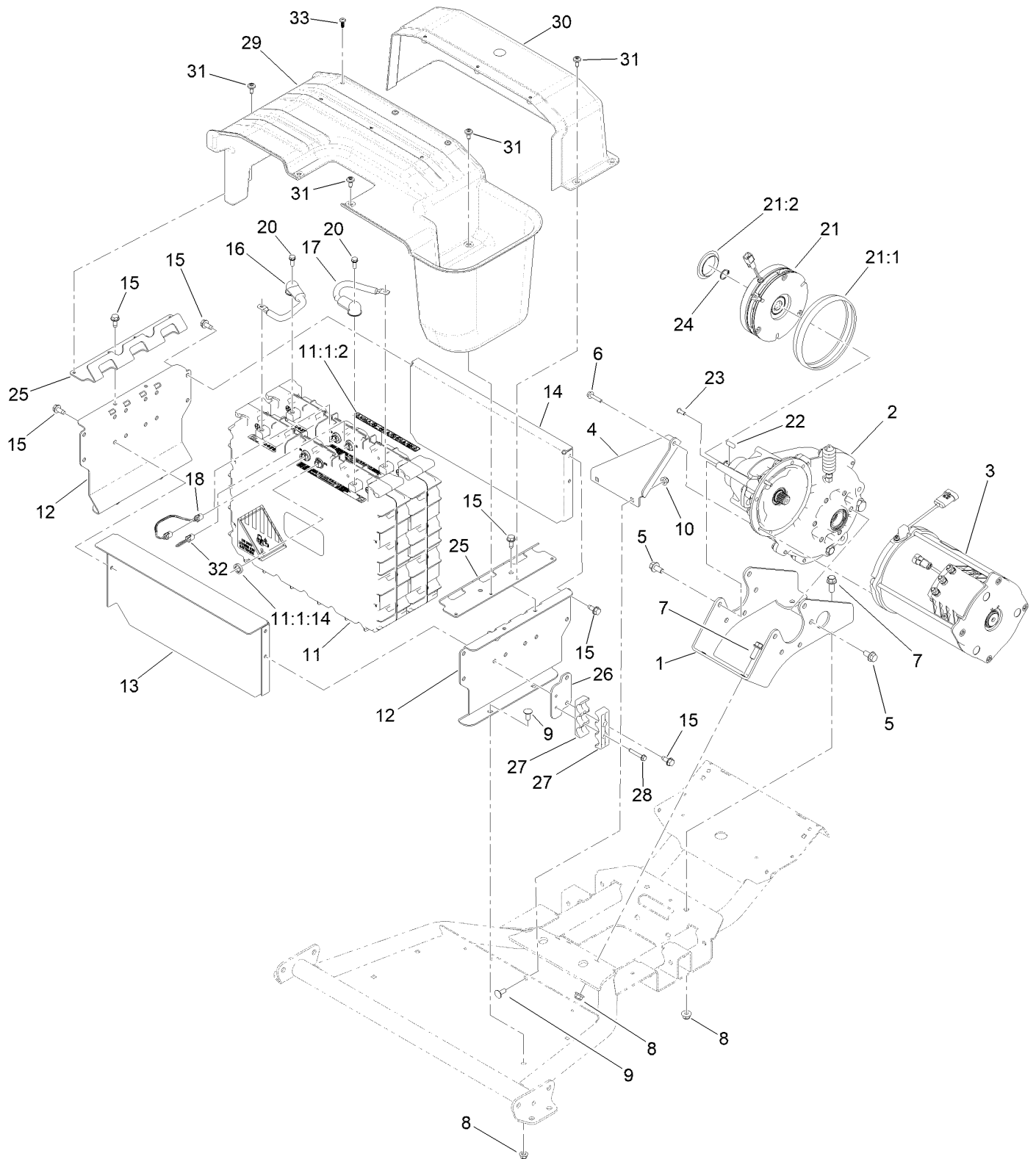
# Rear Facing Seat Assembly



## Rear Facing Seat 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           | 140-0821SP         | 1           | Floor-Box, Cargo     | 13          | 46-8091            | 8           | Screw-HWH                |
| 2           | 145-7105           | 5           | Screw-HHF            | 14          | 115-5142           | 6           | Screw-HHF                |
| 3           | 140-0820SP         | 1           | Floor-Flip Seat      | 15          | 140-0833           | 1           | Restraint-Hip, LH Rear   |
| 4           | 136-7199           | 2           | Bolt-Shoulder        | 16          | 140-0834           | 1           | Restraint-Hip, RH Rear   |
| 5           | 104-8300           | 2           | Nut-HF, NI           | 17          | 32105-15           | 8           | Screw-HWH                |
| 7           | 140-9909           | 5           | Screw-HHF            | 18          | 104-7201           | 8           | Nut-HF, NI               |
| 9           | 140-0875SP         | 1           | Rear Floor Frame ASM | 19          | 145-7100           | 1           | Bumper-Rubber, Flip Seat |
| 10          | 104-8301           | 4           | Nut-HF, NI           | 20          | 138-5775           | 2           | Screw-Delta Point        |
| 11          | 3231-12            | 4           | Bolt-CARR            | 21          | 140-9941SP         | 1           | Seat Bottom ASM-Beige    |
| 12          | 140-0872           | 1           | Floor-Rear           | 22          | 140-9943SP         | 1           | Seat Backrest ASM-Beige  |

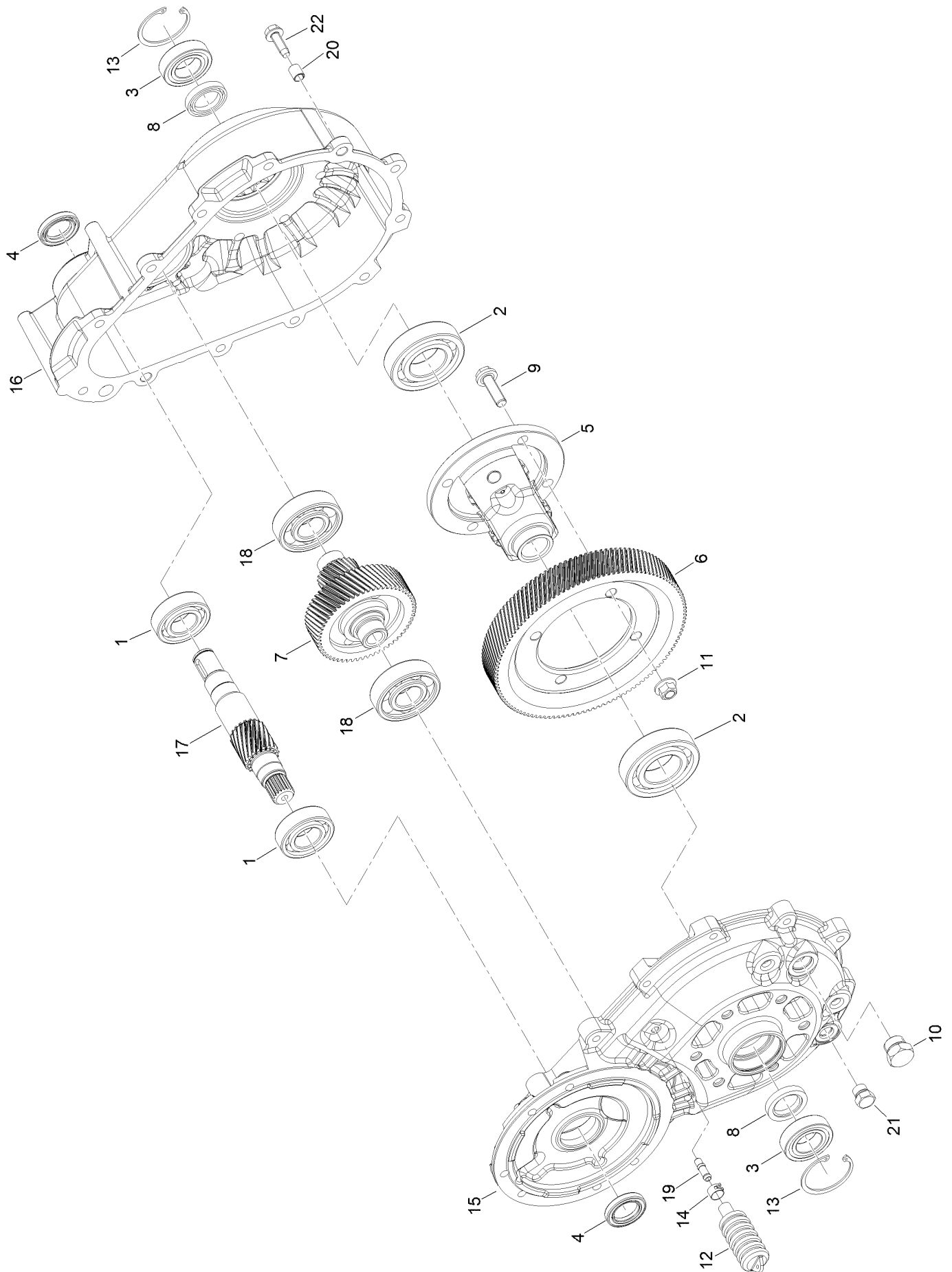
# Batteries, Motor and Transaxle Assembly



## Batteries, Motor 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           | 140-9822-03        | 1           | Bracket-Mount, Trans          | 18          | 140-9565           | 1           | Harness-Wire, Data Interface |
| 2           | 145-7060           | 1           | Transaxle-Electric            | 20          | 145-5783           | 2           | Screw-Sems                   |
| 3           | 137-6936           | 1           | Motor-AC                      | 21          | 145-7061           | 1           | Brake-Electric               |
| 4           | 140-9797-03        | 1           | Brace-Motor                   | 21:1        | 145-7184           | 1           | Dust Cover                   |
| 5           | 139-6300           | 10          | Screw-Hfl                     | 21:2        | 145-7186           | 1           | End Cap                      |
| 6           | 33103-030          | 6           | Screw-HHF                     | 22          | 145-7163           | 1           | Key-Square                   |
| 7           | 3234-42            | 4           | Screw-HHF                     | 23          | 145-7164           | 3           | Screw-HSBH                   |
| 8           | 104-8301           | 4           | Nut-HF, NI                    | 24          | 32120-15           | 1           | Ring-Snap, EXT               |
| 9           | 3230-1             | 6           | Bolt-CARR                     | 25          | 145-7171-03        | 2           | Bracket-Battery, Hold        |
| 10          | 104-8300           | 6           | Nut-HF, NI                    | 26          | 145-7175           | 1           | Bracket-Clamp, Cable         |
| 11          | 145-5320           | 2           | Battery ASM                   | 27          | 145-7166           | 2           | Clamp-Cable                  |
| 11:1:2      | 145-5338           | 1           | Decal-Warning, Battery        | 28          | 94-2691            | 2           | Screw-HWH Taptite            |
| 11:1:14     | 32180-466          | 2           | Nut-Mounting, Jwpf Panel Lock | 29          | 145-7178           | 1           | Cover-Front, Battery         |
| 12          | 144-5440-03        | 2           | Bracket-Battery, Side         | 30          | 145-7177           | 1           | Cover-Rear, Battery          |
| 13          | 145-7170-03        | 1           | Panel-Battery, Front          | 31          | 120-7950           | 11          | Screw-Torx                   |
| 14          | 145-7169-03        | 1           | Panel-Battery, Rear           | 32          | 122-2323           | 1           | Harness-Wire, Can Terminator |
| 15          | 32144-70           | 12          | Screw-HWHTF                   | 33          | 138-5775           | 3           | Screw-Delta Point            |
| 16          | 145-7275           | 1           | Cable-Battery, Rd ASM         |             |                    |             |                              |
| 17          | 145-7276           | 1           | Cable-Battery, Bk ASM         |             |                    |             |                              |

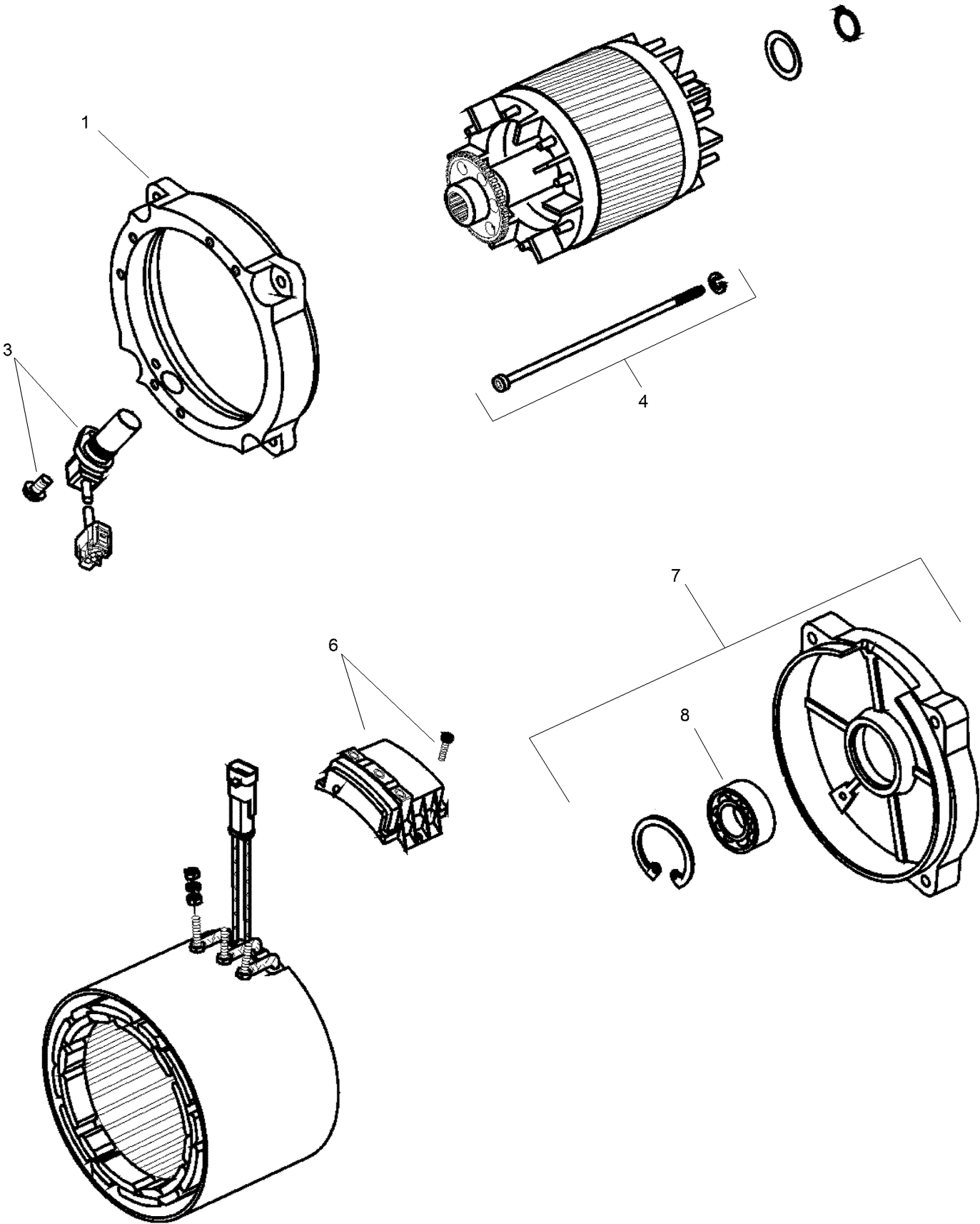
# Transaxle Assembly No. 145-7060



## Transaxle Assembly No. 145-7060 (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        | 10          | 133-2466           | 1           | Plug-HH                                  |
| 2           | 145-7287           | 2           | Bearing, Ball, Single Row, 6207        | 11          | 133-2463           | 4           | Nut-Lock                                 |
| 3           | 145-7288           | 2           | Bearing, Ball, Single Row, 6005-2Rs    | 12          | 145-7294           | 1           | Vent, Bellows                            |
| 4           | 145-7289           | 2           | Seal, Oil, .945 Shaft, 1.499 Bore      | 13          | 133-2450           | 2           | Ring-Retaining                           |
| 5           | 145-7290           | 1           | Assembly, Differential Case, Standard  | 14          | 145-7295           | 1           | Clamp, Hose                              |
| 6           | 145-7291           | 1           | Gear, Helical, Output, Finish, 116T    | 15          | 145-7296           | 1           | Housing, Machined, Left                  |
| 7           | 145-7292           | 1           | Assembly, Shaft And Gear, Intermediate | 16          | 145-7297           | 1           | Housing, Machined, Right                 |
| 8           | 145-7293           | 2           | Seal, Oil, 25 MM Shaft, 1.499 Bore     | 17          | 145-7298           | 1           | Shaft, Input, 18T                        |
| 9           | 133-2462           | 4           | Bolt-HHF                               | 18          | 145-7299           | 2           | Bearing, Ball, Single Row, 6305          |
|             |                    |             |                                        | 19          | 147-4096           | 1           | Tube, Vent                               |
|             |                    |             |                                        | 20          | 145-7301           | 2           | Bushing, Dowel, .313 X .500              |
|             |                    |             |                                        | 21          | 145-7302           | 1           | Drain Plug, Magnetic, O-Ring, 1/2-20     |
|             |                    |             |                                        | 22          | 147-4095           | 12          | Screw, Hex Head, 5/16-18, Thread Forming |

Electric Motor Assembly No. 137-6936

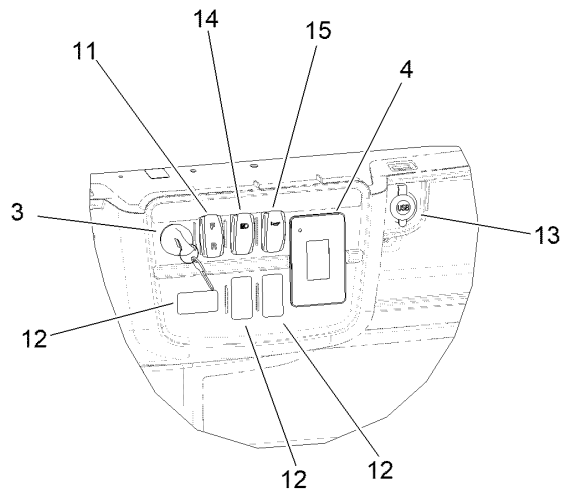
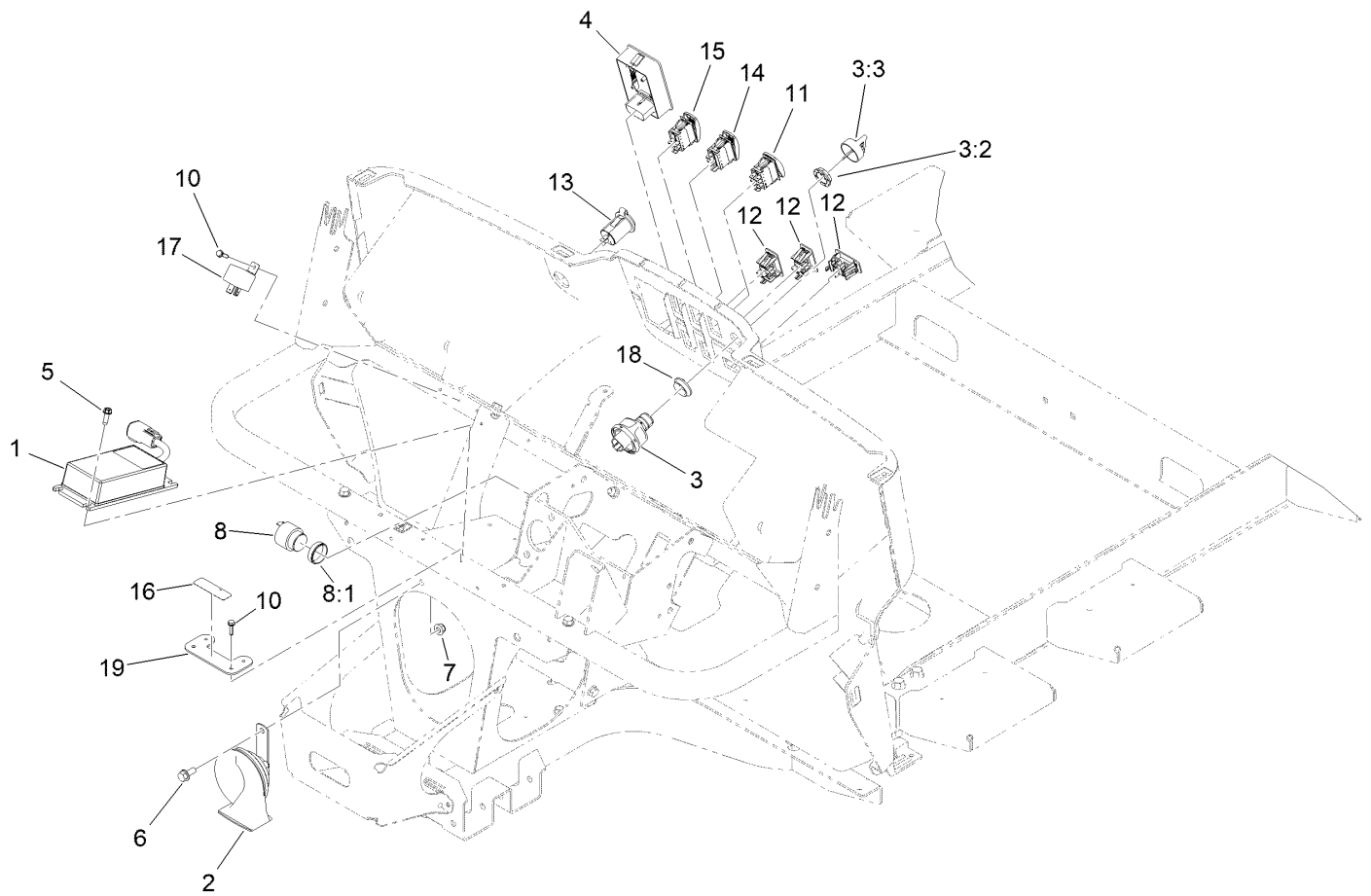


## Electric Motor Assembly No. 137-6936 (continued)

| <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            |

# Dash Electrical Components Assembly



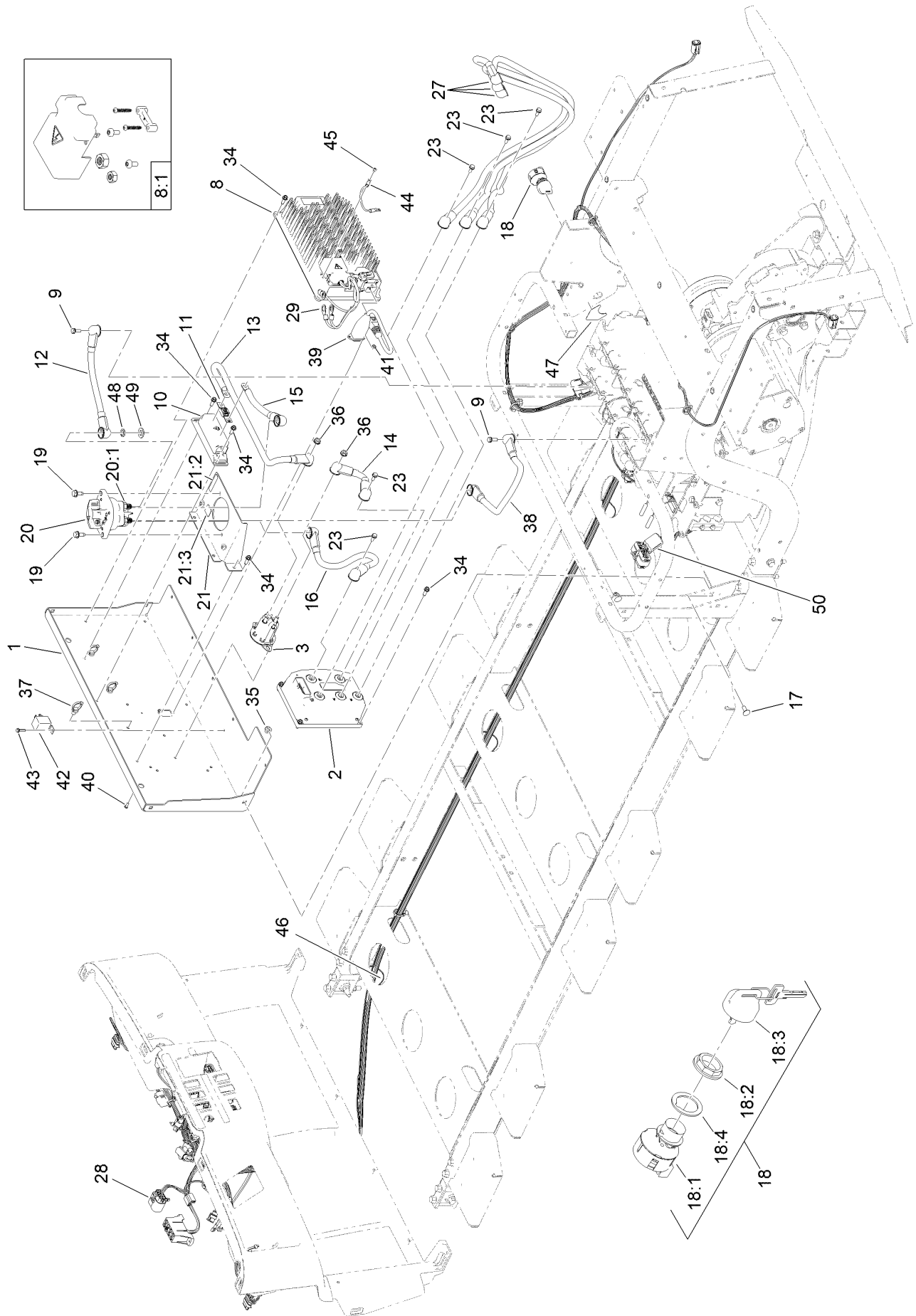
DASH VIEW

## Dash Electrical Components 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           | 144-6975           | 1           | Converter DC-DC         | 11          | 122-2654           | 1           | Switch-Rocker,<br>On-None-On    |
| 2           | 107-0358           | 1           | Horn                    | 12          | 119-7791           | 3           | Plug-Hole                       |
| 3           | 122-2513           | 1           | Switch-Ignition, Suns   | 13          | 140-7955           | 1           | Port-Power, USB                 |
| 3:1         | 121-5160           | 1           | Nut-Hex ●               | 14          | 144-2405           | 1           | Switch-Rocker,<br>On-None-On    |
| 3:2         | 122-2704           | 1           | Nut-Face, M22 (Plastic) | 15          | 144-2415           | 1           | Switch-Rocker,<br>(On)-None-Off |
| 3:3         | 121-5162           | 1           | Set-Key, Ignition       | 16          | 144-5576           | 1           | Decal-Fuse Block, 12V/60V       |
| 4           | 122-2152           | 1           | Controller, Tdm-1601    | 17          | 122-2400           | 1           | Relay, 12V Coil, 50A At 48V     |
| 5           | 49-2040            | 2           | Screw-HWHTF             | 18          | 145-7110           | 1           | Adapter-Switch, Key             |
| 6           | 3234-5             | 1           | Screw-HHF               | 19          | 144-5367-03        | 1           | Bracket-Fuse                    |
| 7           | 104-8300           | 1           | Nut-HF, NI              |             |                    |             |                                 |
| 8           | 80-9330            | 1           | Audio Alarm ASM         |             |                    |             |                                 |
| 8:1         | 104-5107           | 1           | Nut-Plastic, Knurled    |             |                    |             |                                 |
| 10          | 100-4351           | 5           | Screw-HWH               |             |                    |             |                                 |

● Not illustrated

# 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           | 145-7167-03        | 1           | Plate-Electrical       | 23          | 145-5782           | 5           | Screw-Sems                               |
| 2           | 145-5050           | 1           | Inv/Ctrlr-48V,185Arms  | 27          | 145-7279           | 3           | Cable-Battery,Rd ASM                     |
| 3           | 122-2616           | 1           | Contacto-Powerseal     | 28          | 122-2322           | 1           | Harness-Wire, Vista,<br>Electric         |
| 8           | 144-5475           | 1           | Charger-Onboard, 900W  | 29          | 122-2703           | 1           | Harness-Wire, Charger<br>Power Interface |
| 8:1         | 140-2494           | 1           | Charger Kit-Service    | 34          | 49-2040            | 15          | Screw-HWHTF                              |
| 9           | 145-5783           | 2           | Screw-Sems             | 35          | 104-8300           | 4           | Nut-HF, NI                               |
| 10          | 145-4958           | 1           | Holder-Fuse            | 36          | 107-0380           | 2           | Nut-HF                                   |
| 11          | 122-2561           | 1           | Fuse-200A              | 37          | 32180-030          | 3           | Clip-Tie                                 |
| 12          | 147-3879           | 1           | Cable-Battery,Rd ASM   | 38          | 147-3883           | 1           | Cable-Battery,Bk ASM                     |
| 13          | 147-3881           | 1           | Cable-Battery,Rd ASM   | 39          | 145-7147           | 1           | Cordset W/Filter                         |
| 14          | 147-3882           | 1           | Cable-Battery,Rd ASM   | 40          | 3250-26            | 2           | Screw-PPH                                |
| 15          | 147-3880           | 1           | Cable-Battery,Rd ASM   | 41          | 3296-54            | 2           | Nut-Lock                                 |
| 16          | 147-3884           | 1           | Cable-Battery,Bk ASM   | 42          | 122-3200           | 1           | Relay - Dg57CM                           |
| 17          | 3230-23            | 4           | Bolt-CARR              | 43          | 100-4351           | 1           | Screw-HWH                                |
| 18          | 110-2580           | 1           | Switch-Key, Supervisor | 44          | 122-2792           | 1           | Harness-Wire, Charger<br>Bonding         |
| 18:1        |                    | 1           | Switch-Key ●           | 45          | 161-1826           | 2           | Screw-Ground                             |
| 18:2        | 108-8660           | 1           | Nut-Mounting           | 46          | 3290-378           | 2           | Tie-Cable                                |
| 18:3        | 110-5221           | 1           | Set-Key, Supervisor    | 47          | 140-0924           | 1           | Decal-Mode                               |
| 18:4        | 108-8659           | 1           | Washer-Backup          | 48          | HDW14457           | 4           | Split Lock<br>Washer,1/2,ST/ST,18-8      |
| 19          | 32144-70           | 2           | Screw-HWHTF            | 49          | 147-3238           | 4           | Washer-Flat                              |
| 20          | 122-0603           | 1           | Switch-Disconnect      | 50          | 147-8183           | 2           | Ferrite, Snap-On                         |
| 20:1        | 33006-00           | 1           | Nut-HF                 |             |                    |             |                                          |
| 21          | 147-3964           | 1           | Disconnect Bracket ASM |             |                    |             |                                          |
| 21:2        | 120-9570           | 1           | Decal-Warning          |             |                    |             |                                          |
| 21:3        | 145-7345           | 1           | Decal-Voltage, High    |             |                    |             |                                          |

● Not serviced separately

# Attachments and Accessories

## For 08926 Vista 6 Passenger Lithium Shuttle Vehicle

| Product Name                                          | Model/Part |
|-------------------------------------------------------|------------|
| Folding Windshield Kit .....                          | 08220      |
| Beige Canopy, Vista 6 Passenger Shuttle Vehicle ..... | 08221      |
| Beacon Kit .....                                      | 08225      |
| Turn Signal Kit .....                                 | 144-5587   |
| Side Mirrors Kit .....                                | 145-7140   |
| Rear View Mirror Kit.....                             | 08141      |
| Wide Angle Mirror Kit.....                            | 133-1038   |
| Wide Angle Mirror Kit.....                            | 133-1009   |
| Battery ASM .....                                     | 145-5320   |
| Energy Expansion Kit, Vista Shuttle Vehicle .....     | 147-4090   |
| Universal Wireless Hourmeter Kit .....                | 144-2436   |
| External Antenna Kit, Wireless Hourmeter System ..... | 115-9524   |
| Base Station Kit, Wireless Hourmeter System .....     | 115-9542   |
| Repeater Kit, Wireless Hourmeter System .....         | 115-9543   |
| Powercord-AC, Europe.....                             | 107-0382   |
| Powercord-AC, U.K. ....                               | 107-0383   |
| Powercord-AC .....                                    | 107-0384   |
| Cargo Box, Vista Shuttle Vehicle .....                | 08228      |

**Notes:**

**Notes:**

**Notes:**



**Count on it.**