



**Count on it.**

Form No. 3367-751 Rev C

# Parts Catalog

## ProCore® 648 Aerator

Model No. 09200—Serial No. 311000001 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.

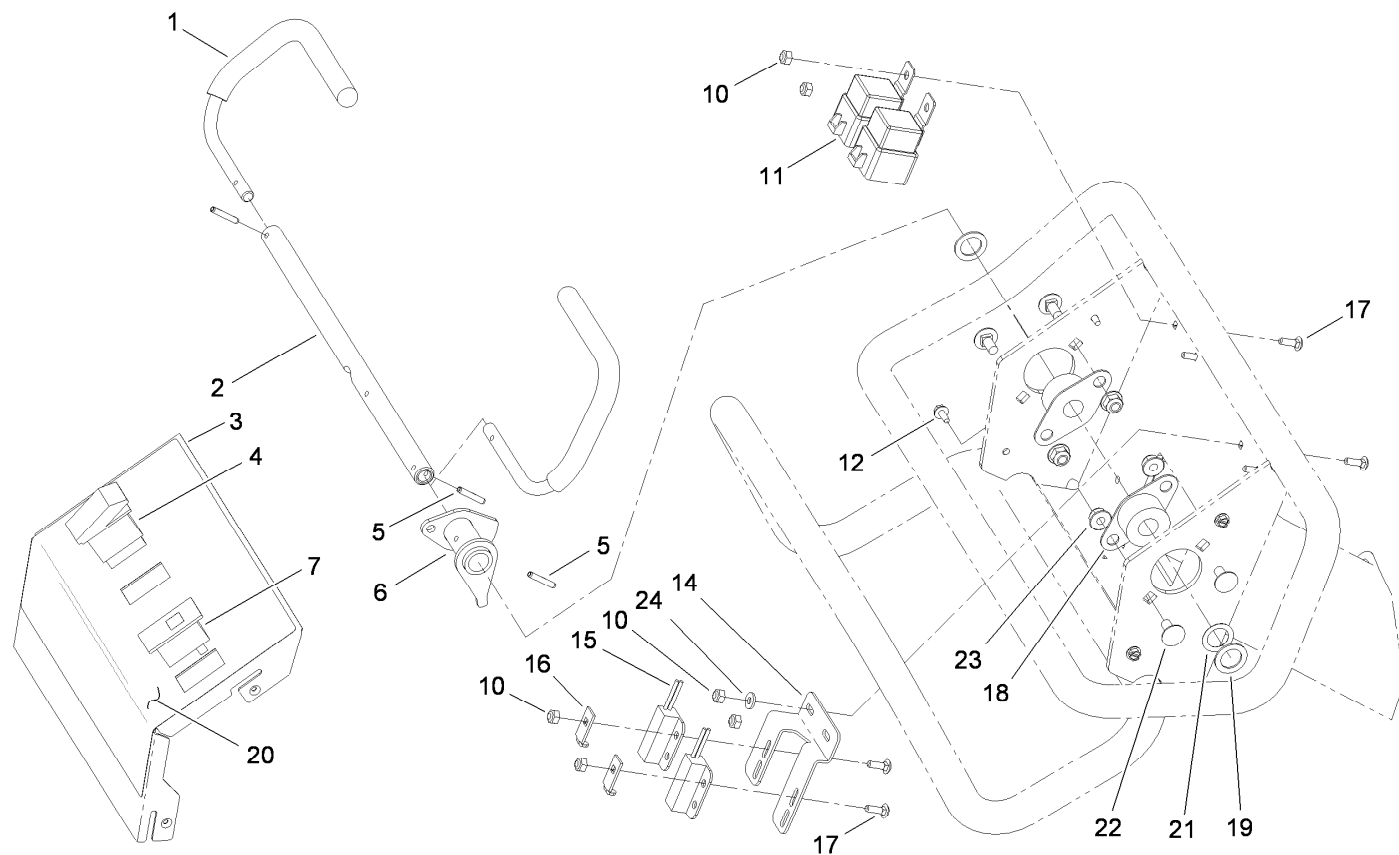
## Reference Numbers Indicating Quantity

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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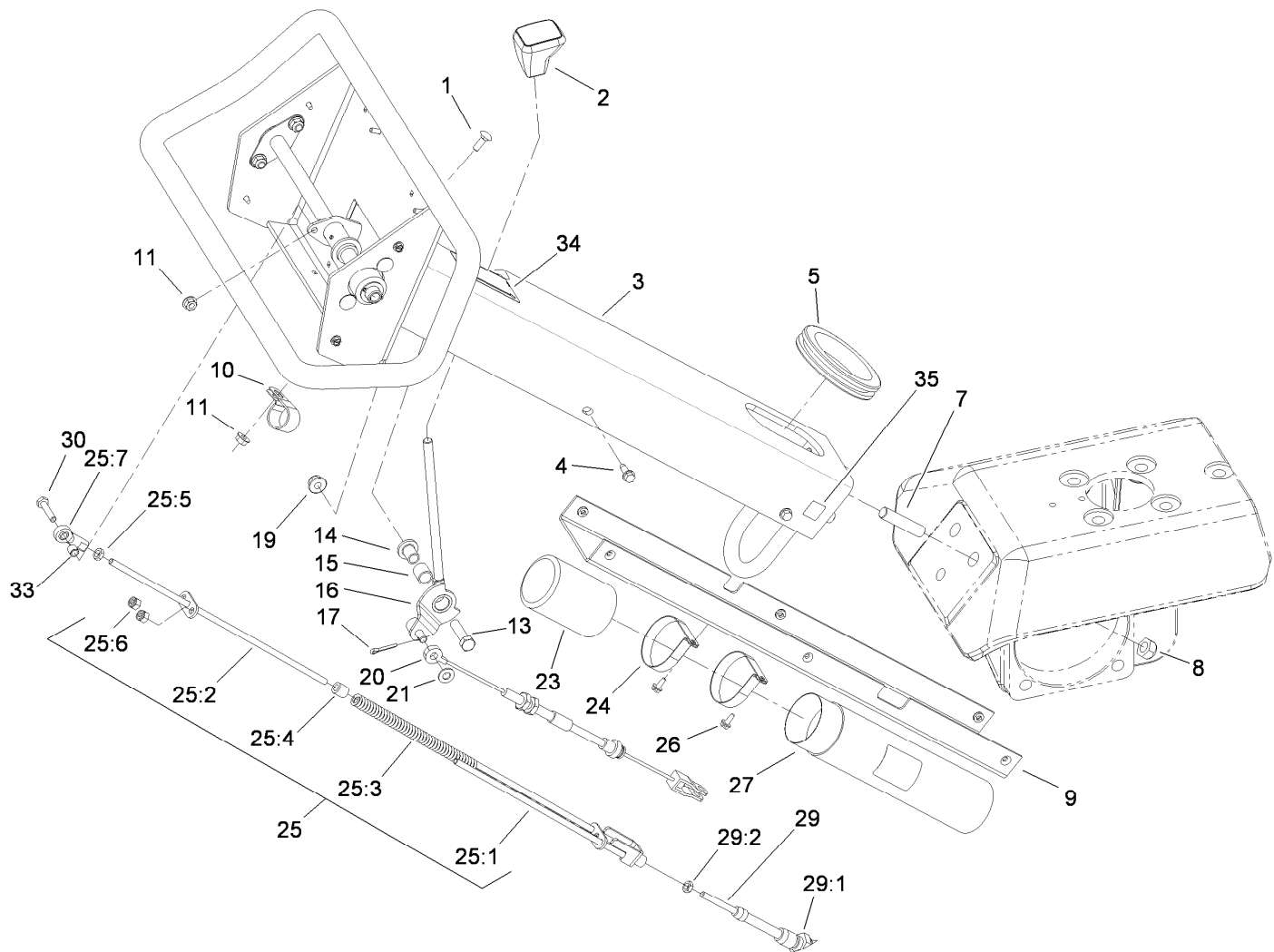
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## Control Bail Assembly

| Ref. | Part Number | Qty. | Description                       |
|------|-------------|------|-----------------------------------|
| 1    | 115-4719    | 2    | Bail-Traction                     |
| 2    | 107-3350    | 1    | Shaft-Pivot, Bail V               |
| 3    | 105-1183-03 | 1    | Cover-Handle, Control             |
| 4    | 106-8921    | 1    | Switch-Rocker, Off-On             |
| 5    | 32121-45    | 3    | Pin-Spring                        |
| 6    | 107-3351    | 1    | Bail Lever ASM                    |
| 7    | 99-7410     | 1    | Indicator-Light, Low-Oil Pressure |
| 10   | 3296-2      | 6    | Nut-Lock, NI                      |
| 11   | 99-7430     | 2    | Relay-Mini                        |
| 12   | 32104-60    | 4    | Screw-HWH                         |
| 14   | 107-3361    | 1    | Mount-Switch                      |

| Ref. | Part Number | Qty. | Description                    |
|------|-------------|------|--------------------------------|
| 15   | 100-1270    | 2    | Switch-Proximity               |
| 16   | 100-4872    | 2    | Plate-Switch, Neutral          |
| 17   | 3229-34     | 6    | Screw-CARR                     |
| 18   | 256-236     | 2    | Bearing-Mount, Flange          |
| 19   | 3256-69     | 2    | Washer-Flat                    |
| 20   | 115-4716    | 1    | Decal-Handle Control Panel, CE |
| 21   | 108-2100    | 1    | Washer-Spring, Curved          |
| 22   | 3230-18     | 4    | Screw-CARR                     |
| 23   | 104-8300    | 4    | Nut-HF, NI                     |
| 24   | 3256-14     | 2    | Washer-Flat                    |



## Front Handle Assembly

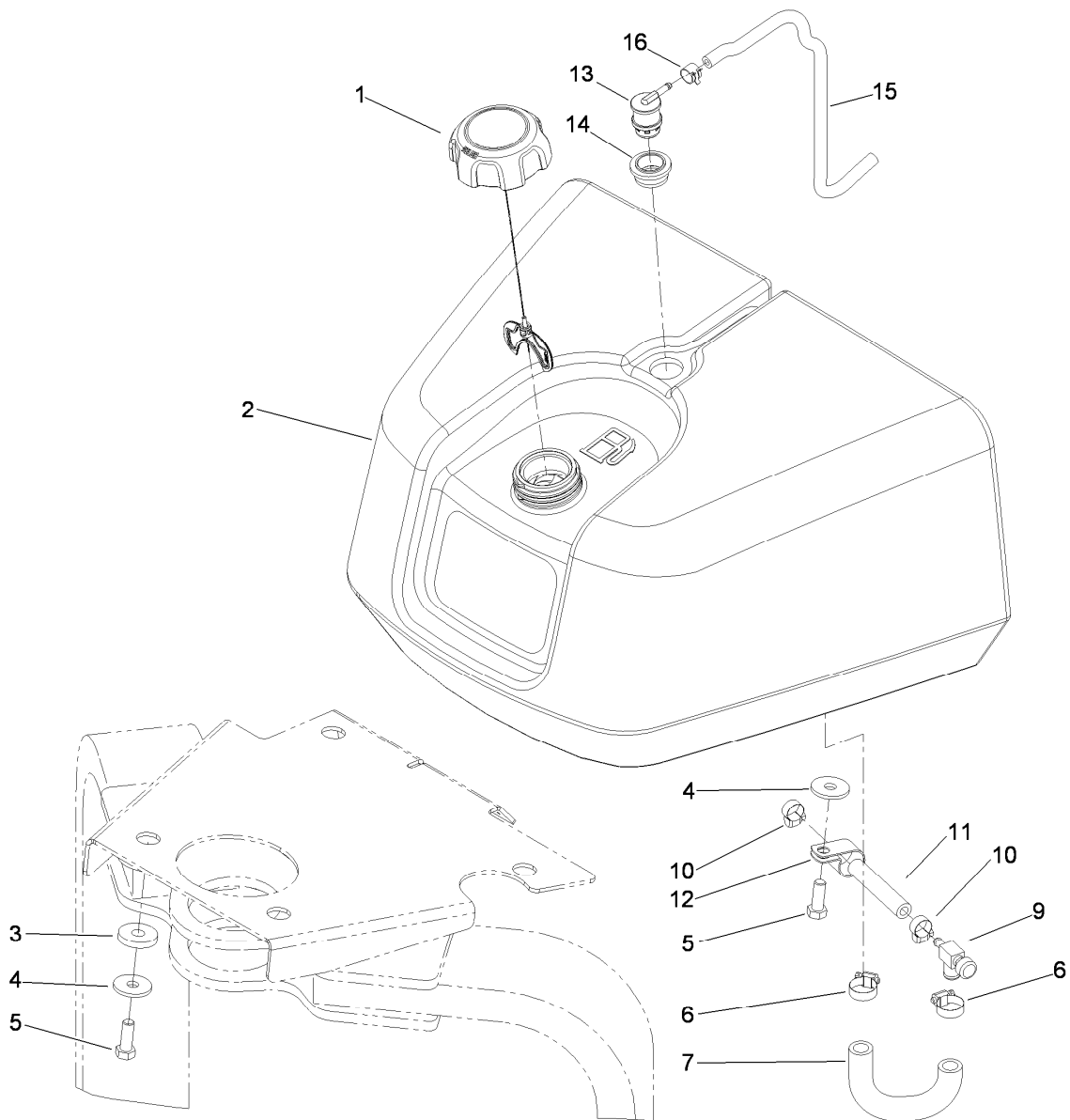
| Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|
| 1    | 3229-1      | 1    | Bolt-CARR              |
| 2    | 65-8970     | 1    | Knob-Shift             |
| 3    | 115-4723-01 | 1    | Handle-Control         |
| 4    | 32144-44    | 6    | Screw-HWH, Thread Roll |
| 5    | 240-8       | 1    | Grommet-Rubber         |
| 7    | 80-8680     | 3    | Stud                   |
| 8    | 3296-19     | 3    | Nut-Hex                |
| 9    | 107-3363-03 | 1    | Cover-Lower, Handle    |
| 10   | 2412-39     | 1    | Clamp-R                |
| 11   | 32128-33    | 2    | Nut-HF                 |
| 13   | 323-8       | 1    | Screw-HH               |
| 14   | 80-7200     | 1    | Spacer-Brake           |
| 15   | 256-206     | 1    | Bushing                |
| 16   | 86-8420     | 1    | Lever-Brake            |
| 17   | 3272-10     | 1    | Pin-Cotter             |
| 19   | 104-8301    | 1    | Nut-HF, NI             |
| 20   | 106-8896    | 1    | Cable-Latch, Parking   |
| 21   | 3256-23     | 1    | Washer-Plain           |
| 23   | 104-7048    | 1    | Cap-Housing            |

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 24   | 2412-120    | 2    | Clamp-R               |
| 25   | 115-6661    | 1    | Rod ASM               |
| 25:1 | 107-3360    | 1    | Spring Retainer ASM   |
| 25:2 | 107-3354    | 1    | Override Rod ASM      |
| 25:3 | 107-3373    | 1    | Spring-Compression    |
| 25:4 | 22-7810     | 1    | Spacer                |
| 25:5 | 3220-1      | 1    | Nut-Jam               |
| 25:6 | 3296-3      | 2    | Nut-Lock              |
| 25:7 | 2411-41     | 1    | Rod End-Ball Joint    |
| 26   | 32104-60    | 2    | Screw-HWH             |
| 27   | 104-7050    | 1    | Tube-Manual           |
| 29   | 80-7220     | 1    | Cable-Control, Stroke |
| 29:1 | 3220-6      | 4    | Nut-Jam               |
| 29:2 | 3220-1      | 2    | Nut-Jam               |
| 30   | 321-8       | 1    | Screw-HH              |
| 33   | 99-3545     | 1    | Spacer                |
| 34   | 93-9363     | 1    | Decal-Brake, Parking  |
| 35   | 93-9084     | 3    | Decal-Point, Lift     |



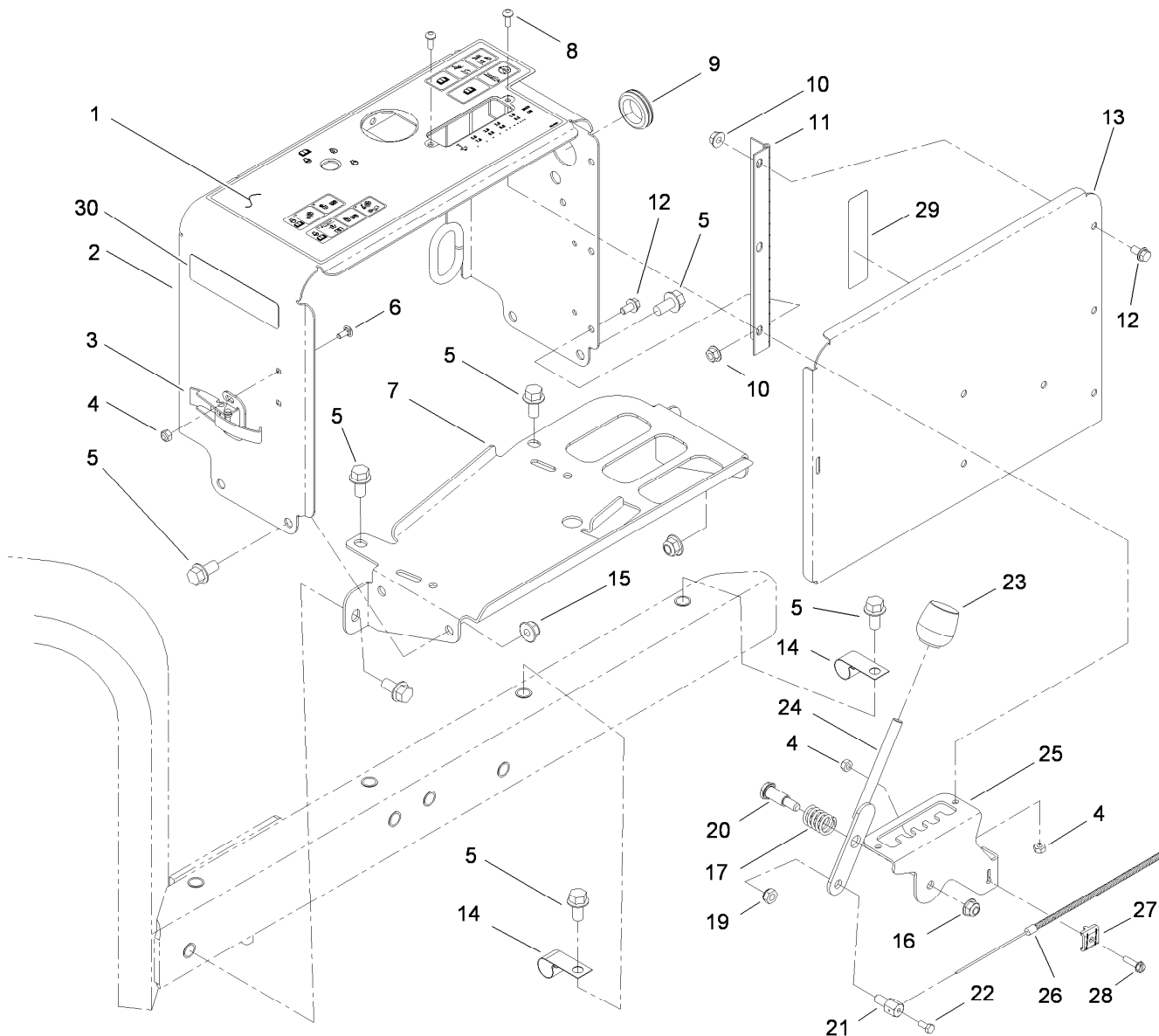
## Front Fork Assembly

| Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|
| 1    | 325-4       | 5    | Screw-HH               |
| 2    | 106-8939    | 1    | Stop-Steering          |
| 3    | 108-1252-01 | 1    | Arm-Steering           |
| 4    | 106-8937    | 1    | Cable Guide ASM        |
| 5    | 322-1       | 2    | Screw-HH               |
| 6    | 32136-9     | 1    | Nut-Hex, Slotted       |
| 7    | 107-7597    | 1    | Washer-Plain           |
| 8    | 107-7589    | 2    | Cone-Bearing (W/ Seal) |
| 9    | 107-7590    | 2    | Cup-Bearing            |
| 10   | 3272-37     | 1    | Pin-Cotter             |
| 11   | 107-7595-03 | 1    | Spindle-Steer          |



## Fuel Tank Assembly

| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 1    | 115-7788    | 1    | Cap-Fuel             |
| 2    | 117-9506    | 1    | Tank-Fuel            |
| 3    | 240-11      | 4    | Bushing-Flange       |
| 4    | 63-8410     | 4    | Washer               |
| 5    | 323-6       | 4    | Screw-HH             |
| 6    | 2412-36     | 2    | Clamp-Hose           |
| 7    | 108-6818    | 1    | Hose-Fuel, Molded    |
| 9    | 83-1390     | 1    | Valve-Shut-Off, Fuel |
| 10   | 2412-108    | 2    | Clamp-Worm           |
| 11   | 110-0047    | 1    | Hose-Fuel            |
| 12   | 2412-41     | 1    | Clamp-R              |
| 13   | 114-0285    | 1    | Valve-Rollover       |
| 14   | 114-0284    | 1    | Grommet              |
| 15   | 115-4735    | 1    | Hose-Fuel            |
| 16   | 2412-146    | 1    | Clamp-Hose           |



## Console Assembly

| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 1    | 106-8854    | 1    | Decal-Console, Main |
| 2    | 105-1175-01 | 1    | Console             |
| 3    | 249-21      | 1    | Clamp-Slotted       |
| 4    | 3296-2      | 6    | Nut-Lock, NI        |
| 5    | 3234-1      | 10   | Screw-HHF           |
| 6    | 104-1450    | 2    | Bolt-CARR           |
| 7    | 105-1182-01 | 1    | Base-Console        |
| 8    | 3250-12     | 3    | Screw-PPH           |
| 9    | 240-5       | 1    | Grommet             |
| 10   | 32128-33    | 6    | Nut-HF              |
| 11   | 106-8908    | 1    | Hinge-Console       |
| 12   | 3234-13     | 6    | Screw-HHF           |
| 13   | 105-1171-01 | 1    | Cover-Console       |
| 14   | 2412-150    | 2    | Clip-J              |
| 15   | 104-8301    | 4    | Nut-HF, NI          |

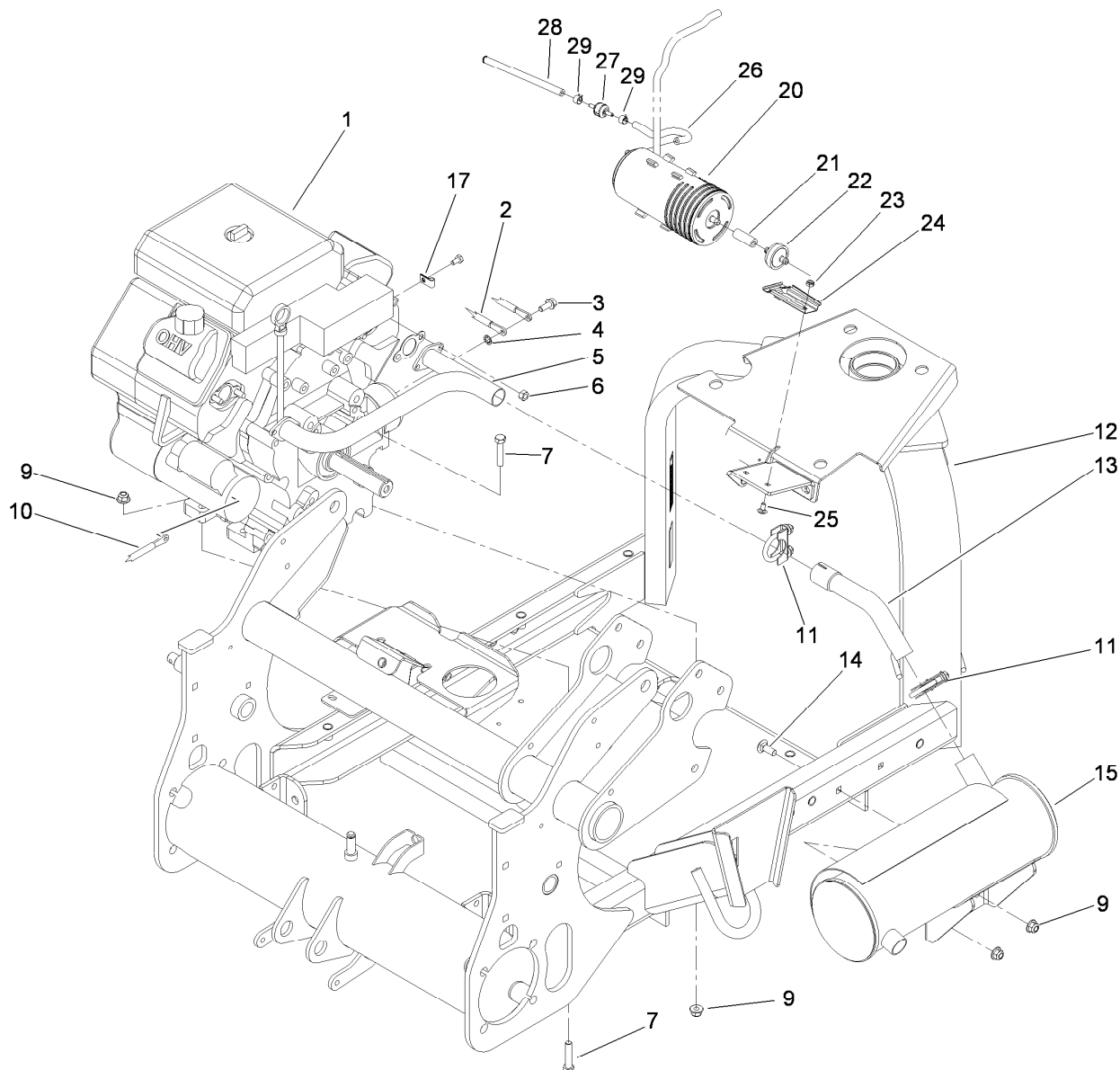
| Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|
| 16   | 104-8300    | 1    | Nut-HF, NI             |
| 17   | 20-6110     | 1    | Spring-Compression     |
| 19   | 3296-20     | 1    | Nut-Lock, NI           |
| 20   | 63-2650     | 1    | Screw-Shoulder         |
| 21   | 98-9311     | 1    | Swivel-Throttle        |
| 22   | 25-8640     | 1    | Screw-HH               |
| 23   | 233-37      | 1    | Knob                   |
| 24   | 105-1167    | 1    | Spacing Lever ASM      |
| 25   | 105-1166-03 | 1    | Bracket-Lever, Spacer  |
| 26   | 105-1062    | 1    | Cable-Control, Spacing |
| 27   | 81-1690     | 1    | Clamp-Cable            |
| 28   | 32105-13    | 1    | Screw-HWH              |
| 29   | 107-7555    | 1    | Decal-Block, Fuse      |
| 30   | 117-2718    | 1    | Decal-Arrester, Spark  |





## Line Marker Assembly

| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 1    | 3256-26     | 2    | Washer-Flat        |
| 2    | 20-6110     | 2    | Spring-Compression |
| 3    | 105-1178-01 | 2    | Bracket-Marker     |
| 4    | 3234-1      | 4    | Screw-HHF          |
| 5    | 3272-31     | 2    | Pin-Cotter         |
| 6    | 105-1179    | 2    | Rod-Marker         |
| 8    | 321-6       | 2    | Screw-HH           |
| 9    | 59-9460     | 2    | Guide              |
| 10   | 3256-2      | 2    | Washer-Flat        |
| 11   | 3296-42     | 2    | Nut-Lock, NI       |

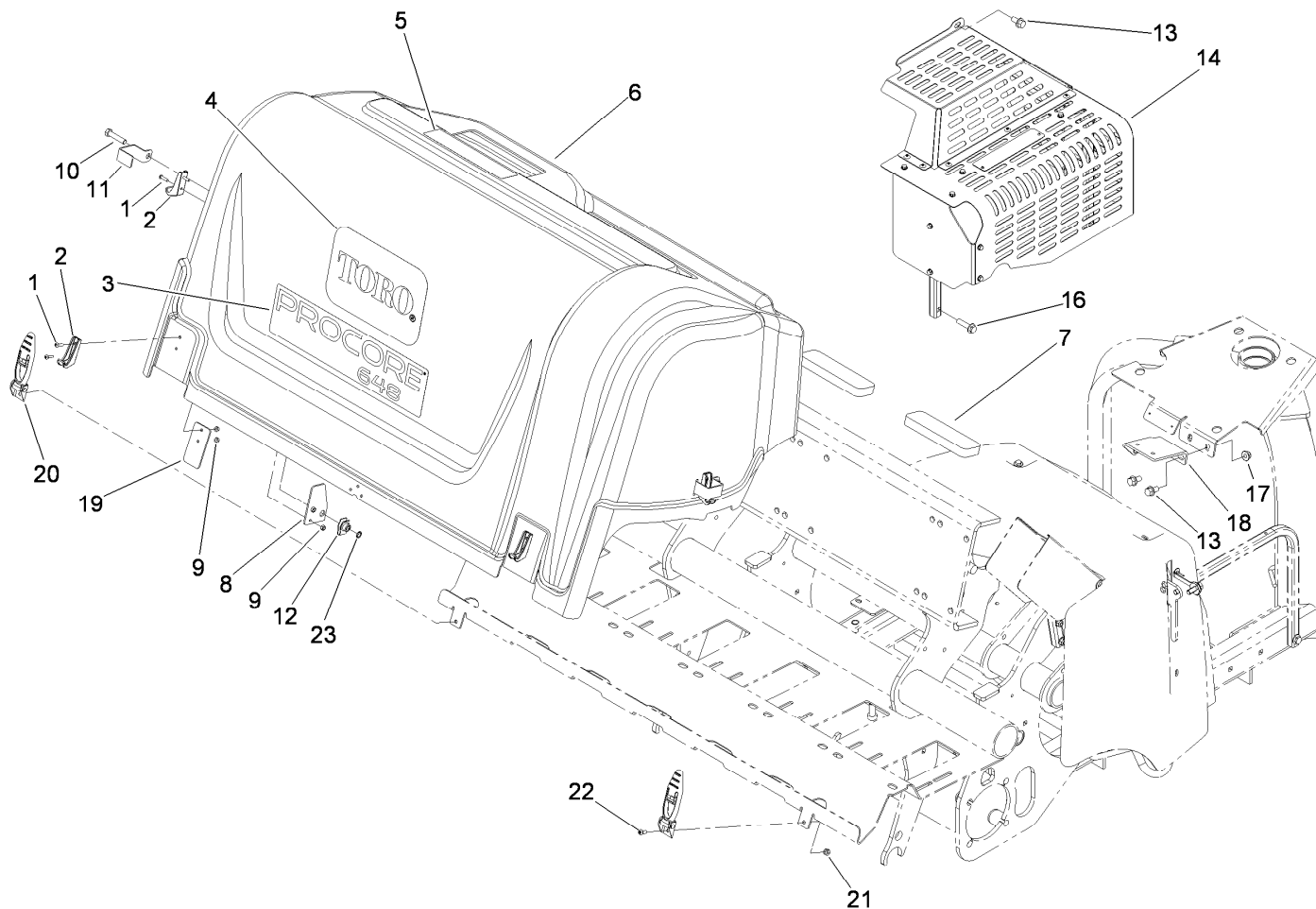


## Engine and Muffler Assembly

| Ref. | Part Number | Qty. | Description                   |
|------|-------------|------|-------------------------------|
| 1    | 119-0950    | 1    | Engine-Kohler, Ch680-3029 Gas |
| 1:1  | 108-3847    | 1    | Filter-Oil ●                  |
| 2    | 106-8946    | 1    | Cable-Battery, Negative       |
| 3    | 33104-020   | 1    | Screw-HHF                     |
| 4    | 3254-2      | 1    | Washer-Lock, Internal         |
| 5    | 106-8858    | 1    | Manifold-Exhaust              |
| 6    | 33014-00    | 4    | Nut-Hex                       |
| 7    | 323-9       | 4    | Screw-HH                      |
| 9    | 104-8301    | 6    | Nut-HF, NI                    |
| 10   | 106-8945    | 1    | Cable-Battery, Positive       |
| 11   | 104-4090    | 2    | Clamp-Muffler                 |
| 12   | 106-8910    | 1    | Front Frame ASM               |
| 13   | 106-8857    | 1    | Elbow-Exhaust                 |

| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 14   | 3231-2      | 2    | Bolt-CARR                |
| 15   | 106-8859    | 1    | Muffler-Exhaust          |
| 17   | 2412-72     | 1    | Clip-Closed, Insulated   |
| 20   | 117-1221    | 1    | Canister-Carbon, 800Cc   |
| 21   | 99-9415     | 1    | Hose-Fuel                |
| 22   | 115-7854    | 1    | Filter-Fuel, Inline      |
| 23   | 3296-56     | 2    | Nut-Lock, NI             |
| 24   | 114-0292    | 1    | Bracket-Canister, Carbon |
| 25   | 3229-10     | 2    | Screw-CARR               |
| 26   | 115-4736    | 1    | Hose-Fuel                |
| 27   | 115-7868    | 1    | Valve-Check, Vacuum      |
| 28   | 51-3217     | 1    | Hose-Fuel                |
| 29   | 2412-146    | 2    | Clamp-Hose               |

● Not illustrated



## Rear Hood and Muffler Shield Assembly

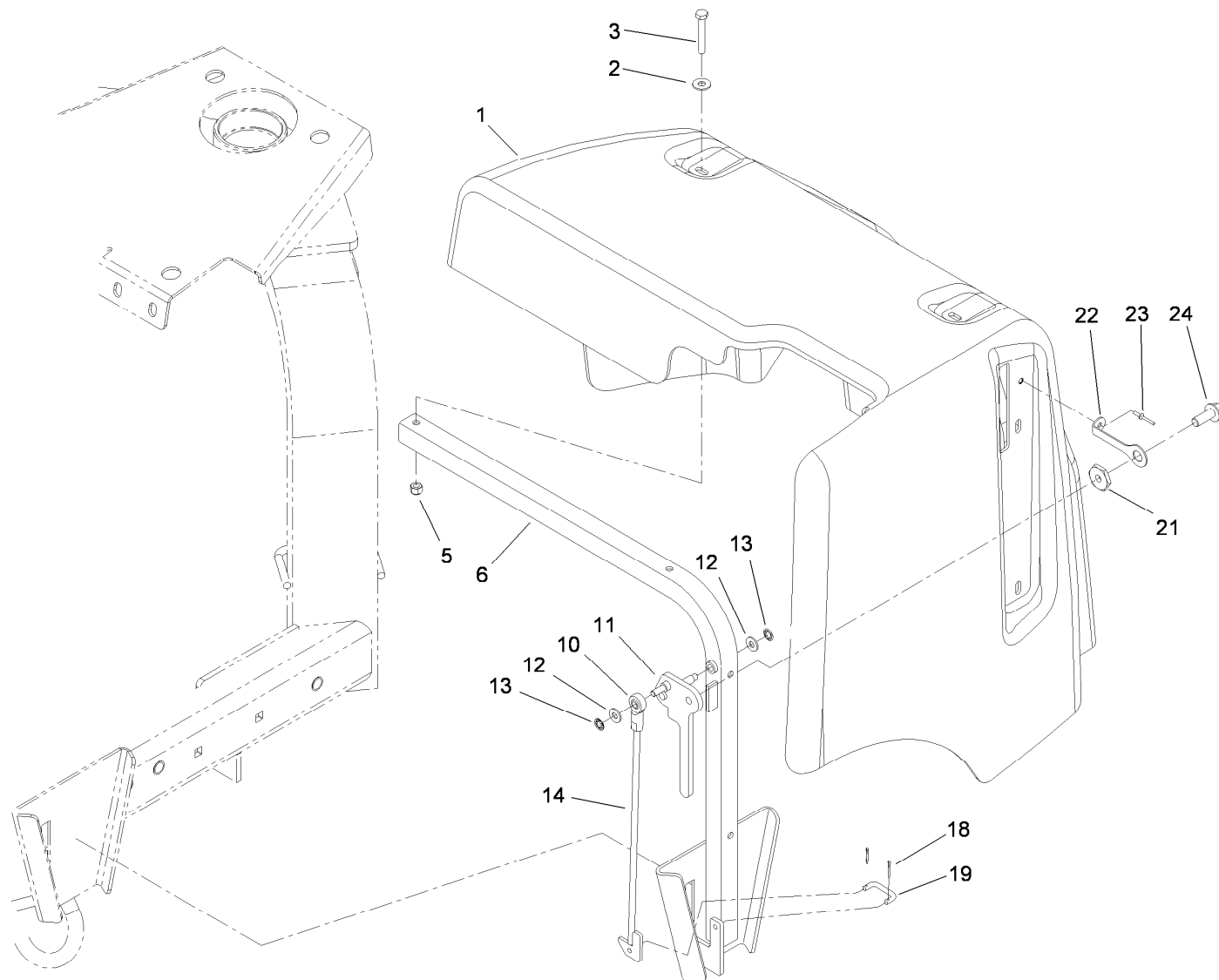
| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 1    | 104-2408    | 8    | Screw-HSBH          |
| 2    | 103-2897    | 4    | Latch-Catch         |
| 3    | 106-8852    | 1    | Decal               |
| 4    | 67-7310     | 1    | Decal               |
| 5    | 106-8856    | 1    | Decal-Depth, Tine   |
| 6    | 110-1494    | 1    | Hood-Rear           |
| 7    | 107-7507    | 3    | Pad-Foam            |
| 8    | 110-4672    | 2    | Plate-Reinforcement |
| 9    | 3296-2      | 8    | Nut-Lock, NI        |
| 10   | 323-53      | 2    | Screw-HH            |
| 11   | 110-4673    | 2    | Lock-Latch, CE      |

| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 12   | 105-4886    | 2    | Nut-Tinnerman        |
| 13   | 3234-1      | 3    | Screw-HHF            |
| 14   | 107-7546    | 1    | Shield ASM           |
| 16   | 3234-18     | 2    | Screw-HHF            |
| 17   | 104-8301    | 2    | Nut-HF, NI           |
| 18   | 115-4734    | 1    | Canister Bracket ASM |
| 19   | 110-1499    | 2    | Plate-Reinforcement  |
| 20   | 103-2898    | 4    | Latch-Rubber         |
| 21   | 3296-42     | 4    | Nut-Lock, NI         |
| 22   | 3274-31     | 4    | Screw-HSBH           |
| 23   | 32151-72    | 2    | Ring-Retaining       |



## Shield Assembly No. 107-7546

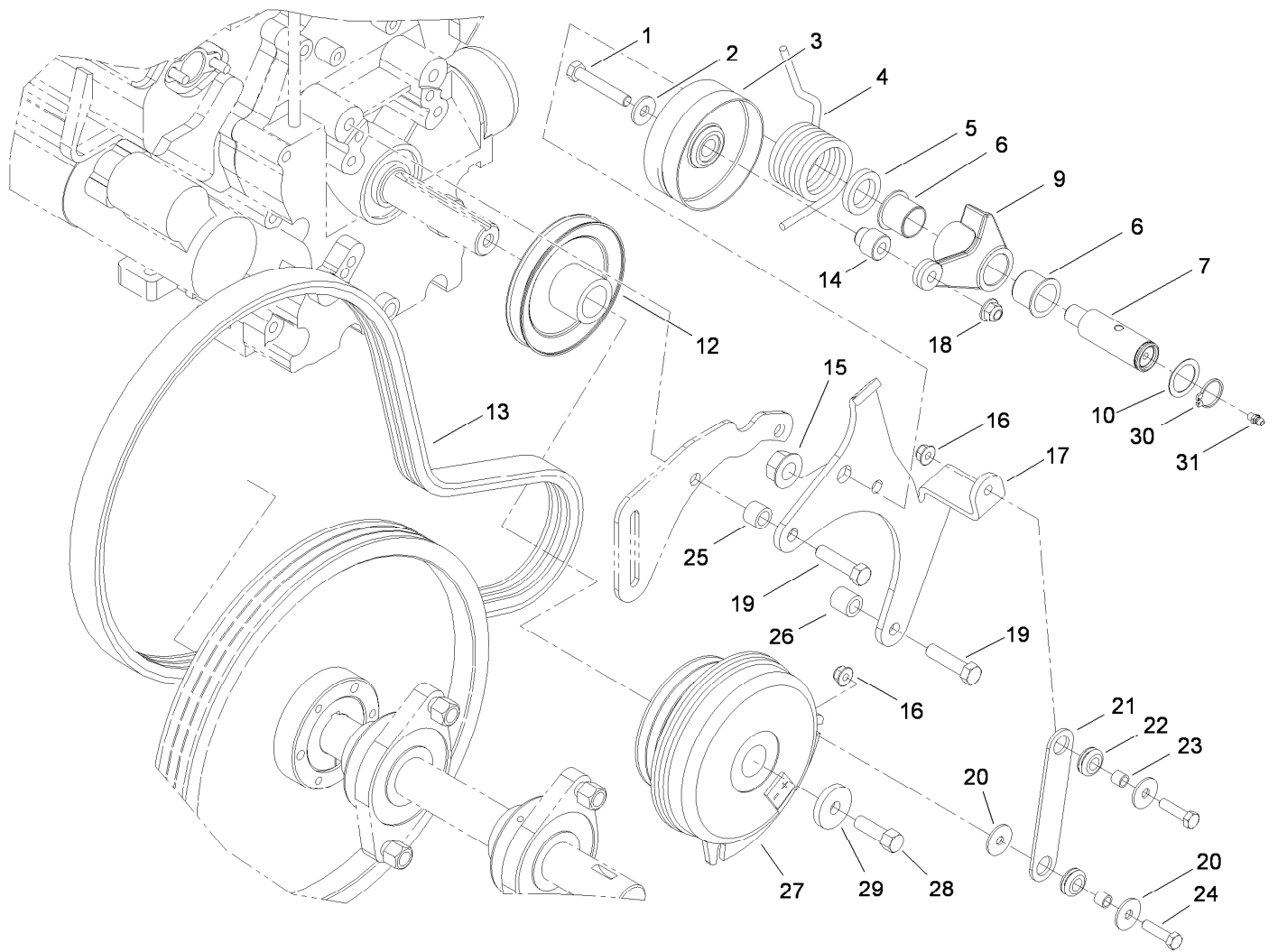
| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 1    | 106-8903-01 | 1    | Shield-Muffler          |
| 2    | 106-8904-03 | 1    | Shield-Clutch           |
| 3    | 106-8848-01 | 1    | Tube-Shield, Muffler    |
| 4    | 106-8906-01 | 1    | Bracket-Shield, Muffler |
| 5    | 107-7547    | 1    | Plate-Warning           |
| 6    | 3269-32     | 2    | Rivet-Pop               |
| 7    | 93-8744     | 7    | Rivet-Blind             |
| 8    | 32144-4     | 10   | Screw-HWH               |



## Jackshaft Hood Assembly

| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 1    | 106-8901    | 1    | Hood-Front         |
| 2    | 100-2400    | 4    | Washer             |
| 3    | 321-10      | 4    | Screw-HH           |
| 5    | 3296-42     | 4    | Nut-Lock, NI       |
| 6    | 106-8846-03 | 1    | Frame-Hood         |
| 10   | 2411-41     | 1    | Rod End-Ball Joint |
| 11   | 115-4737-03 | 1    | Lever-Hood         |
| 12   | 3256-22     | 2    | Washer-Flat        |

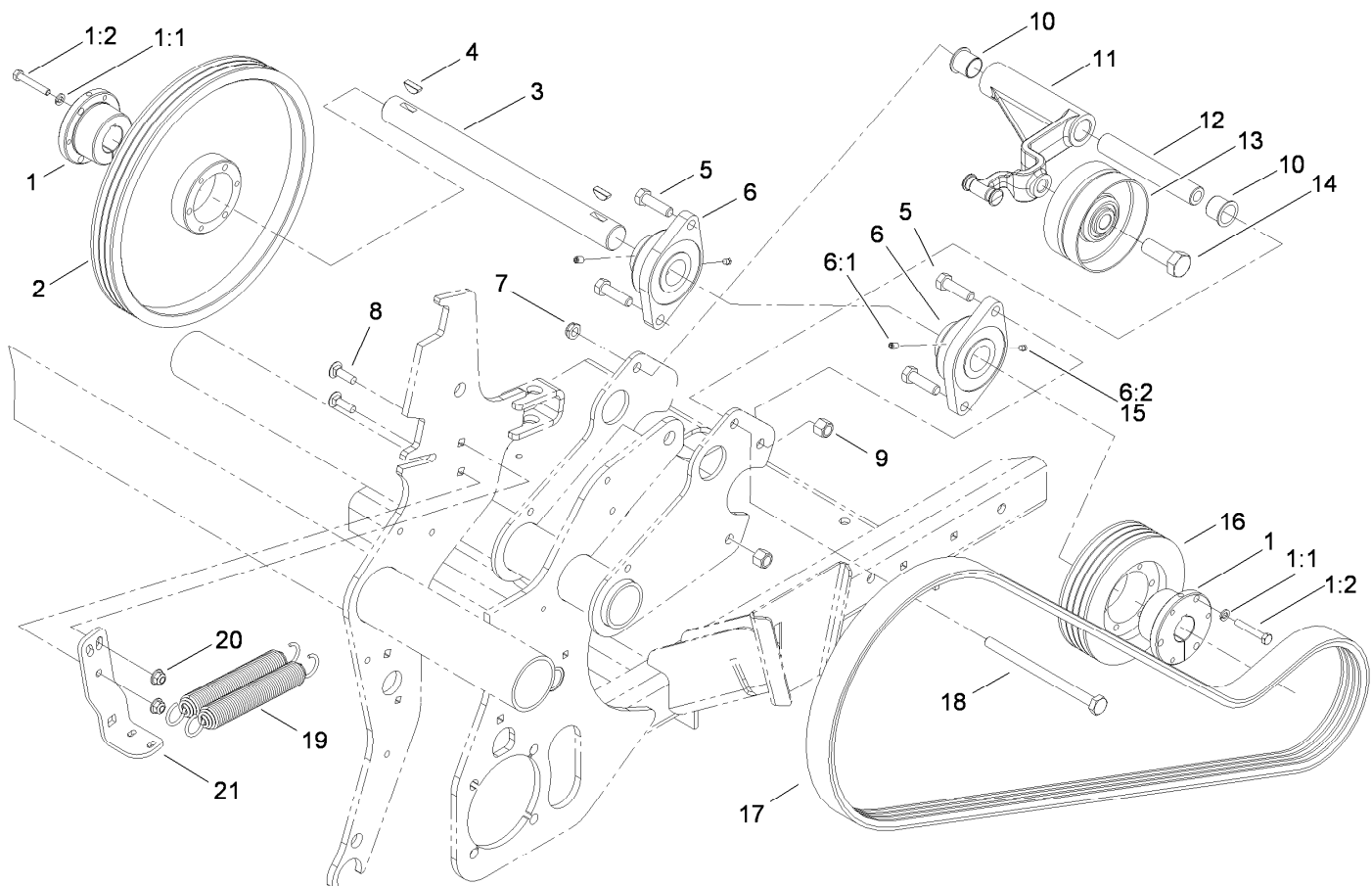
| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 13   | 104-8310    | 2    | Ring-Retaining    |
| 14   | 106-8928    | 1    | Hook ASM          |
| 18   | 3272-1      | 2    | Pin-Cotter        |
| 19   | 69-9140     | 1    | Link-Lever, Valve |
| 21   | 117-8347    | 1    | Nut-Shoulder      |
| 22   | 117-8339    | 1    | Lanyard-3 Inch    |
| 23   | 3290-55     | 1    | Rivet-Pop         |
| 24   | 3234-42     | 1    | Screw-HHF         |



## Primary Belt Drive Assembly

| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 1    | 323-11      | 1    | Screw-HH                |
| 2    | 80-6990     | 1    | Washer-Hardened         |
| 3    | 99-3621     | 1    | Pulley-Idler            |
| 4    | 115-3488    | 1    | Spring-Torsion          |
| 5    | 99-3625     | 1    | Spacer-Arm, Idler       |
| 6    | 99-3631     | 2    | Bushing-Flange          |
| 7    | 99-3624     | 1    | Shaft-Pivot, Idler      |
| 9    | 99-3623-03  | 1    | Arm-Idler               |
| 10   | 74-1810     | 1    | Washer                  |
| 12   | 107-3379    | 1    | Pulley                  |
| 13   | 105-0989    | 1    | Belt-3V                 |
| 14   | 99-3622     | 1    | Spacer-Idler            |
| 15   | 32128-54    | 1    | Nut-HF                  |
| 16   | 104-8300    | 2    | Nut-HF, NI              |
| 17   | 115-4724-03 | 1    | Bracket-Mounting, Idler |

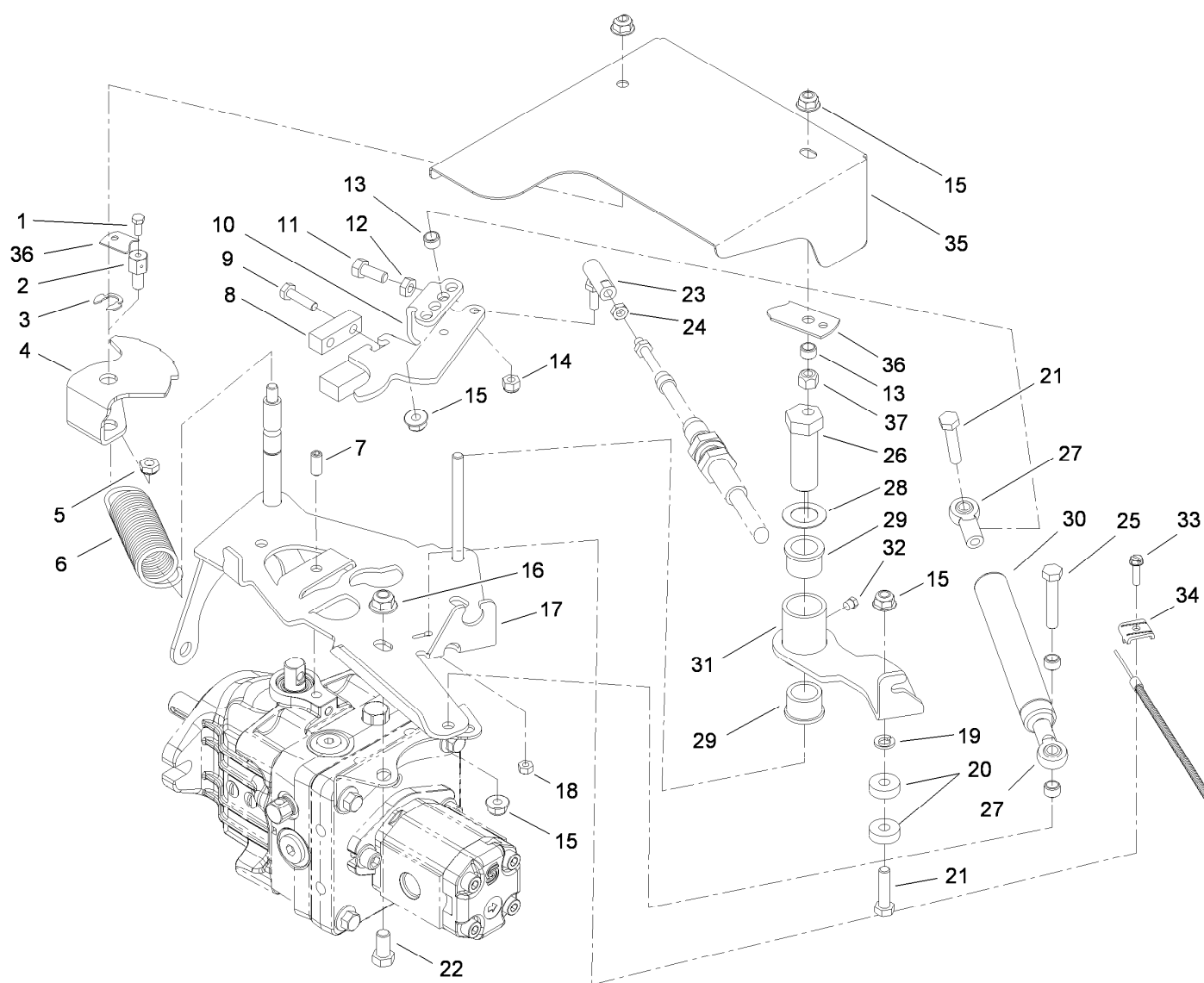
| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 18   | 104-8301    | 1    | Nut-HF, NI            |
| 19   | 324-7       | 3    | Screw-HH              |
| 20   | 3256-82     | 3    | Washer-Flat           |
| 21   | 107-3382    | 1    | Strap-Clutch          |
| 22   | 1-633630    | 2    | Grommet               |
| 23   | 1-633545    | 2    | Spacer                |
| 24   | 322-6       | 2    | Screw-HH              |
| 25   | 68-5440     | 2    | Spacer                |
| 26   | 105-0985    | 1    | Spacer-Support, Idler |
| 27   | 108-2126    | 1    | Clutch-Electric       |
| 28   | 26-0671     | 1    | Screw-HH              |
| 29   | 1-543610    | 1    | Washer-Clutch         |
| 30   | 32151-36    | 1    | Ring-Retaining        |
| 31   | 302-5       | 1    | Fitting-Grease        |



## Secondary Belt Drive Assembly

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    | 59-3790     | 2    | Bushing-Lock, Taper   |
| 1:1  | 3253-4      | 3    | Washer-Lock           |
| 1:2  | 322-10      | 3    | Screw-HH              |
| 2    | 105-0977    | 1    | Pulley-3V             |
| 3    | 105-0975    | 1    | Jackshaft             |
| 4    | 3257-42     | 2    | Key-Woodruff          |
| 5    | 325-7       | 4    | Screw-HH              |
| 6    | 105-0962    | 2    | Bearing-Mount, Flange |
| 6:1  | 3246-17     | 1    | Setscrew-HSH          |
| 6:2  | 302-5       | 1    | Fitting-Grease        |
| 7    | 3296-45     | 1    | Nut-Hex               |
| 8    | 3231-25     | 2    | Bolt-CARR             |
| 9    | 3296-23     | 4    | Nut-Lock, NI          |

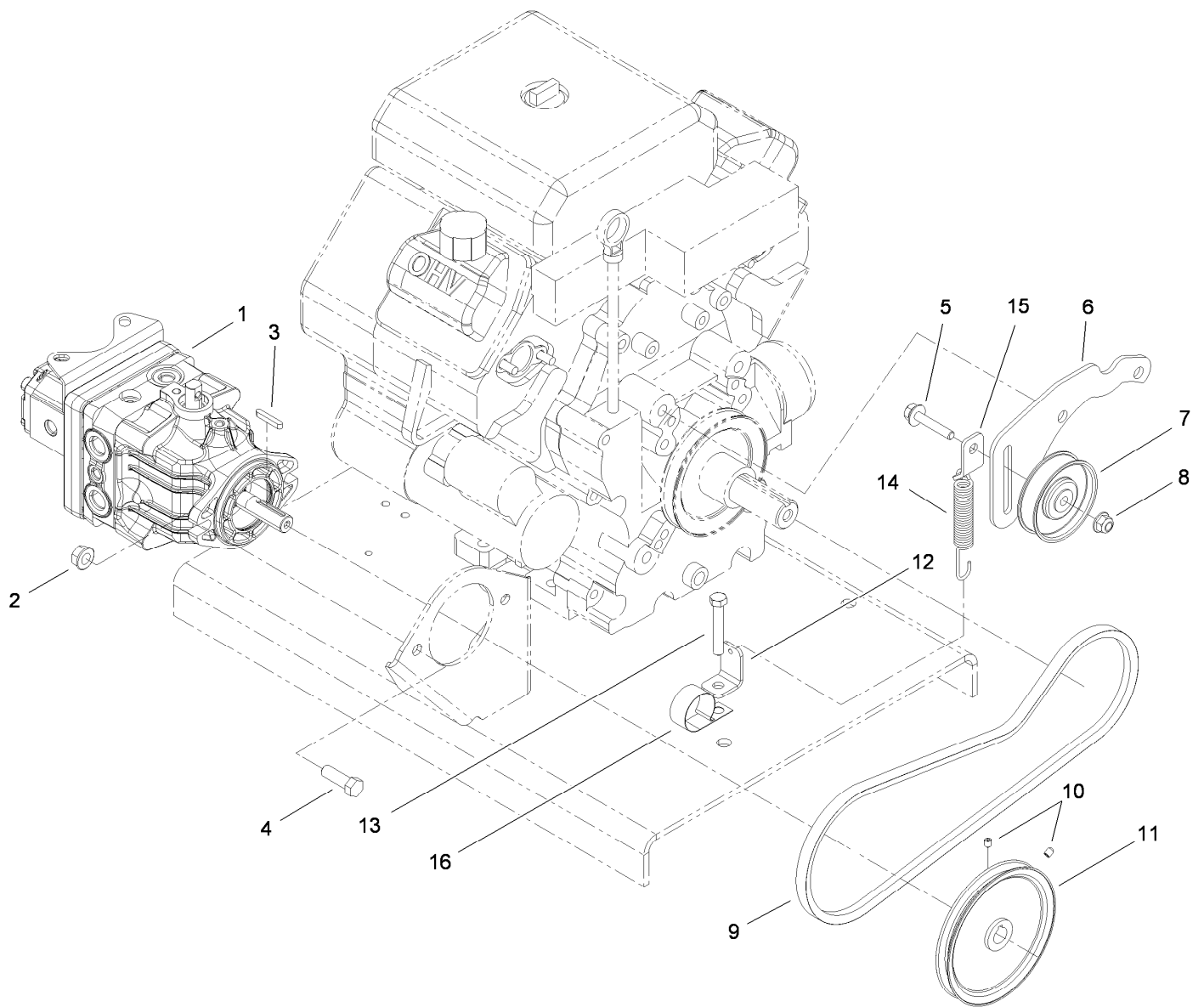
| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 10   | 99-3631     | 2    | Bushing-Flange        |
| 11   | 105-1132-03 | 1    | Arm-Idler             |
| 12   | 105-1172    | 1    | Tube-Pivot, Idler     |
| 13   | 100-7631    | 1    | Pulley-Idler          |
| 14   | 328-24      | 1    | Screw-HH              |
| 15   | 302-59      | 2    | Plug-Threaded         |
| 16   | 105-0976    | 1    | Pulley-3V             |
| 17   | 105-0991    | 1    | Belt-Banded, 4 Groove |
| 18   | 325-36      | 1    | Screw-HH              |
| 19   | 106-8933    | 2    | Spring-Extension      |
| 20   | 104-8301    | 2    | Nut-HF, NI            |
| 21   | 105-1118-03 | 1    | Arm-Spring, Idler     |



## Hydro Control Assembly

| Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|
| 1    | 25-8640     | 1    | Screw-HH               |
| 2    | 98-9311     | 1    | Swivel-Throttle        |
| 3    | 32151-68    | 1    | Ring-Retaining         |
| 4    | 105-1129-01 | 1    | Pivot-Selector, Speed  |
| 5    | 3296-20     | 1    | Nut-Lock, NI           |
| 6    | 115-4712    | 1    | Spring-Extension       |
| 7    | 115-2819    | 1    | Screw-Set, HSH         |
| 8    | 105-1109    | 1    | Clamp-Trunnion         |
| 9    | 321-6       | 2    | Screw-HH               |
| 10   | 105-1125-01 | 1    | Lever-Pump             |
| 11   | 3210-3      | 1    | Screw-HH               |
| 12   | 3220-2      | 1    | Nut-Jam                |
| 13   | 92-3133     | 4    | Spacer-Lever, Traction |
| 14   | 3296-3      | 1    | Nut-Lock               |
| 15   | 104-8300    | 5    | Nut-HF, NI             |
| 16   | 104-8301    | 2    | Nut-HF, NI             |
| 17   | 115-2809-01 | 1    | Bracket-Control        |
| 18   | 3296-2      | 1    | Nut-Lock, NI           |
| 19   | 3253-4      | 1    | Washer-Lock            |

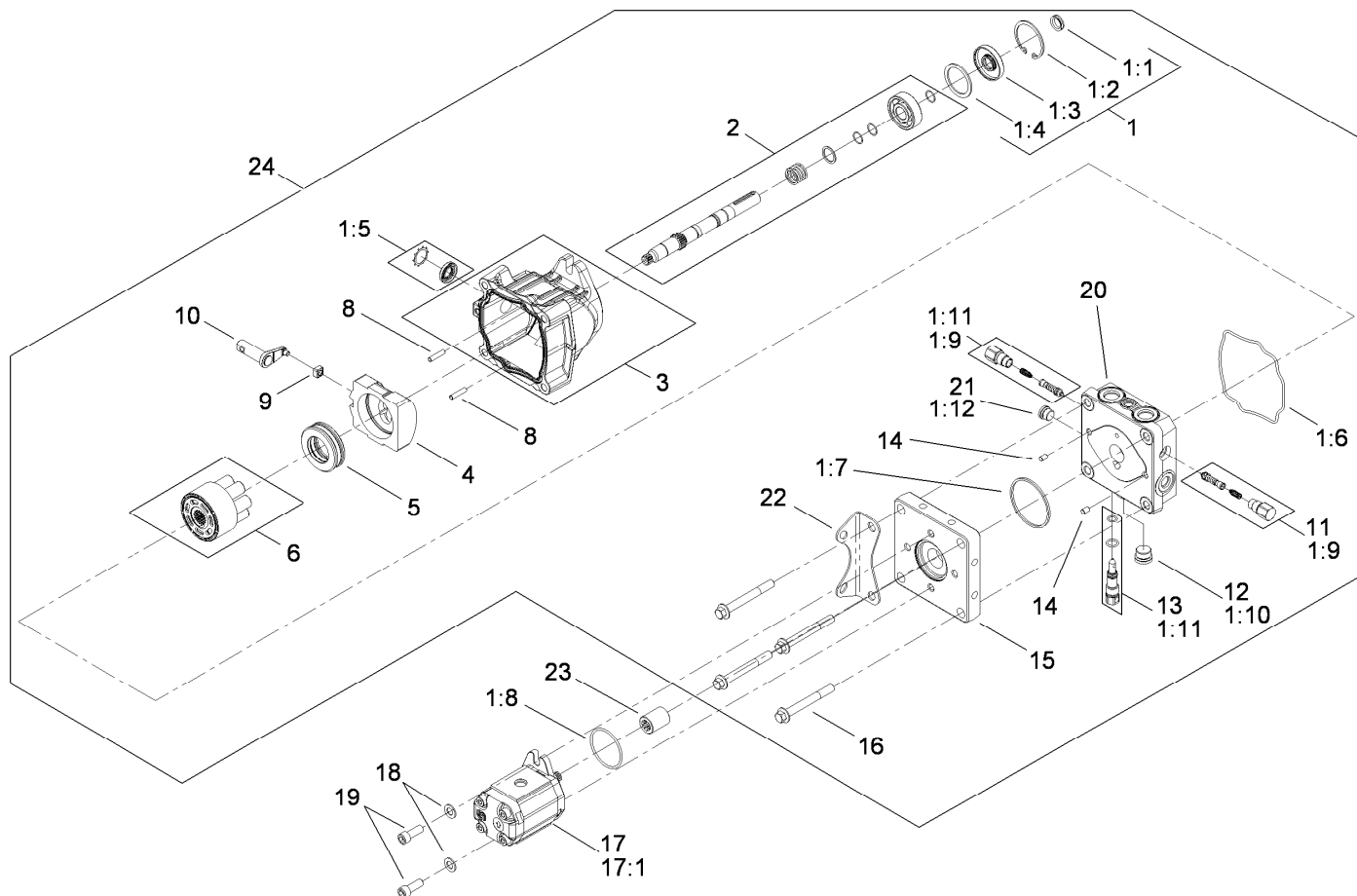
| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 20   | 251-259     | 2    | Bearing-Ball       |
| 21   | 322-7       | 2    | Screw-HH           |
| 22   | 323-4       | 2    | Screw-HH           |
| 23   | 2411-34     | 1    | Joint-Ball         |
| 24   | 3220-1      | 1    | Nut-Jam            |
| 25   | 322-9       | 1    | Screw-HH           |
| 26   | 76-8640     | 1    | Stud-Traction      |
| 27   | 104-8331    | 2    | End-Rod, Spherical |
| 28   | 3-6498      | 1    | Washer-Thrust      |
| 29   | 256-113     | 2    | Bushing-Flange     |
| 30   | 105-3249    | 1    | Damper             |
| 31   | 105-1060-01 | 1    | Lever-Neutral      |
| 32   | 302-59      | 1    | Plug-Threaded      |
| 33   | 32105-13    | 1    | Screw-HWH          |
| 34   | 81-1690     | 1    | Clamp-Cable        |
| 35   | 107-7578-01 | 1    | Shield-Hydrostat   |
| 36   | 108-6836    | 1    | Strap-Traction     |
| 37   | 3296-29     | 1    | Nut-Lock, NI       |



## Hydrostat Pump and Pulley Assembly

| Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|
| 1    | 120-1090    | 1    | Hydrostat And Pump ASM |
| 2    | 32128-37    | 2    | Nut-HF                 |
| 3    | 103-2739    | 1    | Key                    |
| 4    | 324-6       | 2    | Screw-HH               |
| 5    | 3234-19     | 1    | Screw-HHF              |
| 6    | 105-1085-03 | 1    | Support-Idler          |
| 7    | 112426      | 1    | Pulley-Idler           |
| 8    | 104-8301    | 1    | Nut-HF, NI             |

| Ref. | Part Number | Qty. | Description    |
|------|-------------|------|----------------|
| 9    | 107-7513    | 1    | V-Belt         |
| 10   | 3245-7      | 2    | Screw-Set      |
| 11   | 105-0988    | 1    | Pulley-Drive   |
| 12   | 107-7583    | 1    | Bracket-L      |
| 13   | 104-3396    | 1    | Screw-HH       |
| 14   | 106-4502    | 1    | Spring-Scraper |
| 15   | 107-7588    | 1    | Bracket-Spring |
| 16   | 2412-150    | 1    | Clip-J         |

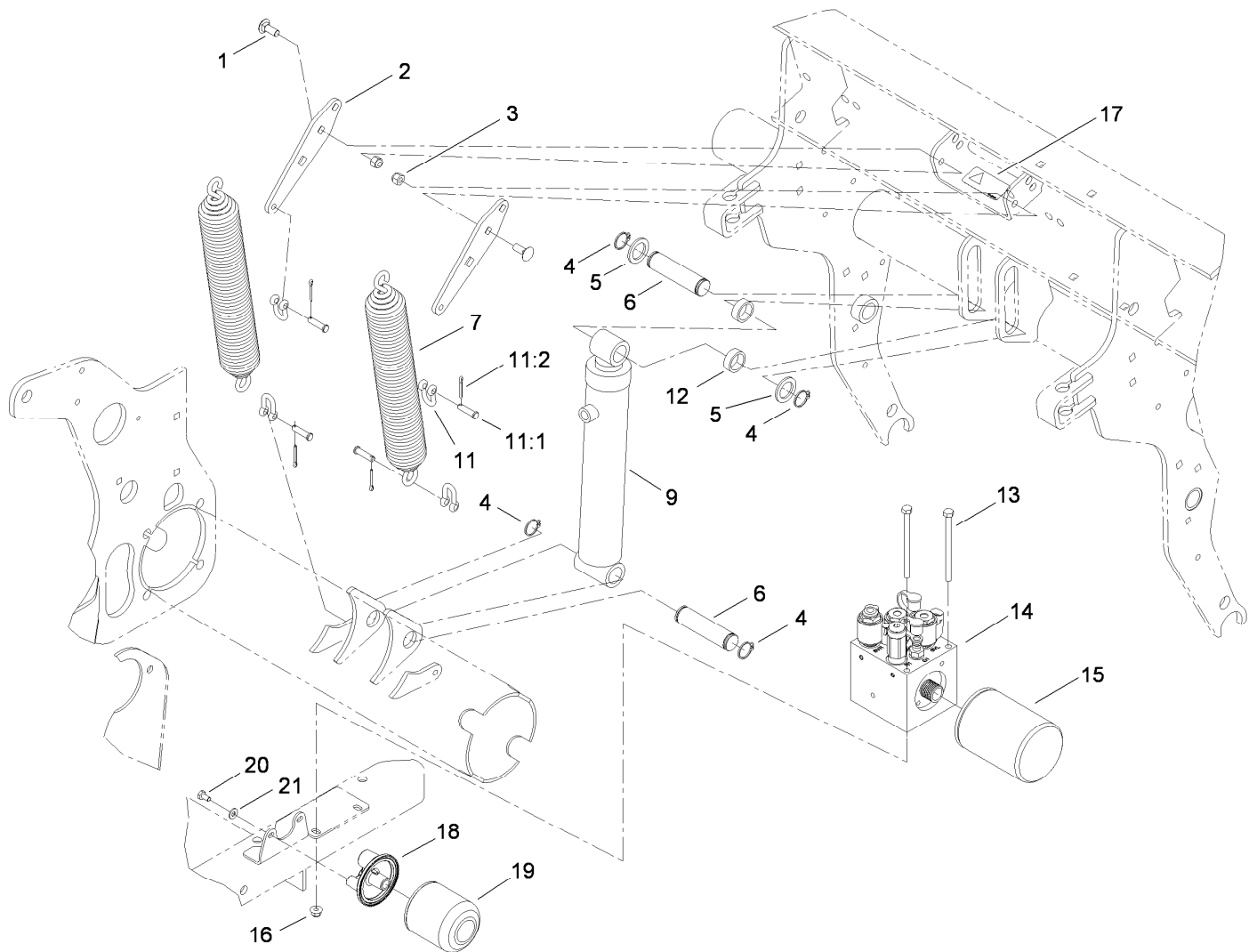


## Hydraulic Pump Assembly No. 120-1090

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    | 108-2110    | 1    | Overhaul Seal Kit     |
| 1:1  |             | 1    | V-Ring ●              |
| 1:2  |             | 1    | Ring-Retaining ●      |
| 1:3  |             | 1    | Seal-Shaft ●          |
| 1:4  |             | 1    | Spacer ●              |
| 1:5  |             | 1    | Seal-Trunnion ●       |
| 1:6  |             | 1    | Gasket-Housing ●      |
| 1:7  |             | 1    | O-Ring, Sq Section ●  |
| 1:8  |             | 1    | O-Ring, Pump ●        |
| 1:9  |             | 2    | O-Ring, Shock Valve ● |
| 1:10 |             | 1    | O-Ring, Plug ●        |
| 1:11 |             | 1    | O-Ring, Bypass ●      |
| 1:12 |             | 1    | O-Ring, Plug ●        |
| 2    |             | 1    | Pump Shaft Kit ●      |
| 3    |             | 1    | Housing ●             |
| 4    |             | 1    | Swashplate-Variable ● |
| 5    |             | 1    | Thrust Bearing ASM ●  |
| 6    | 120-1092    | 1    | Cylinder Block Kit    |
| 8    |             | 2    | Pin ●                 |

| Ref. | Part Number | Qty. | Description                  |
|------|-------------|------|------------------------------|
| 9    |             | 1    | Slot-Guide ●                 |
| 10   |             | 1    | Arm-Trunnion ●               |
| 11   | 108-2109    | 2    | Shock Valve Kit              |
| 12   |             | 1    | Plug ●                       |
| 13   | 106-8759    | 1    | Bypass Valve Kit             |
| 14   |             | 2    | Pin ●                        |
| 15   |             | 1    | Plate-Adapter ●              |
| 16   |             | 4    | Screw-Hex, Flange Head ●     |
| 17   | 108-2113    | 1    | Pump-HYD                     |
| 17:1 | 106-6362    | 1    | Seal Kit                     |
| 18   |             | 2    | Washer ●                     |
| 19   |             | 2    | Capscrew-SHH ●               |
| 20   |             | 1    | Endcap Kit ●                 |
| 21   |             | 1    | Plug ●                       |
| 22   |             | 1    | Bracket-Mount ●              |
| 23   | 108-6843    | 1    | Coupling                     |
| 24   |             | 1    | Gear Pump Ready Tandem ASM ● |

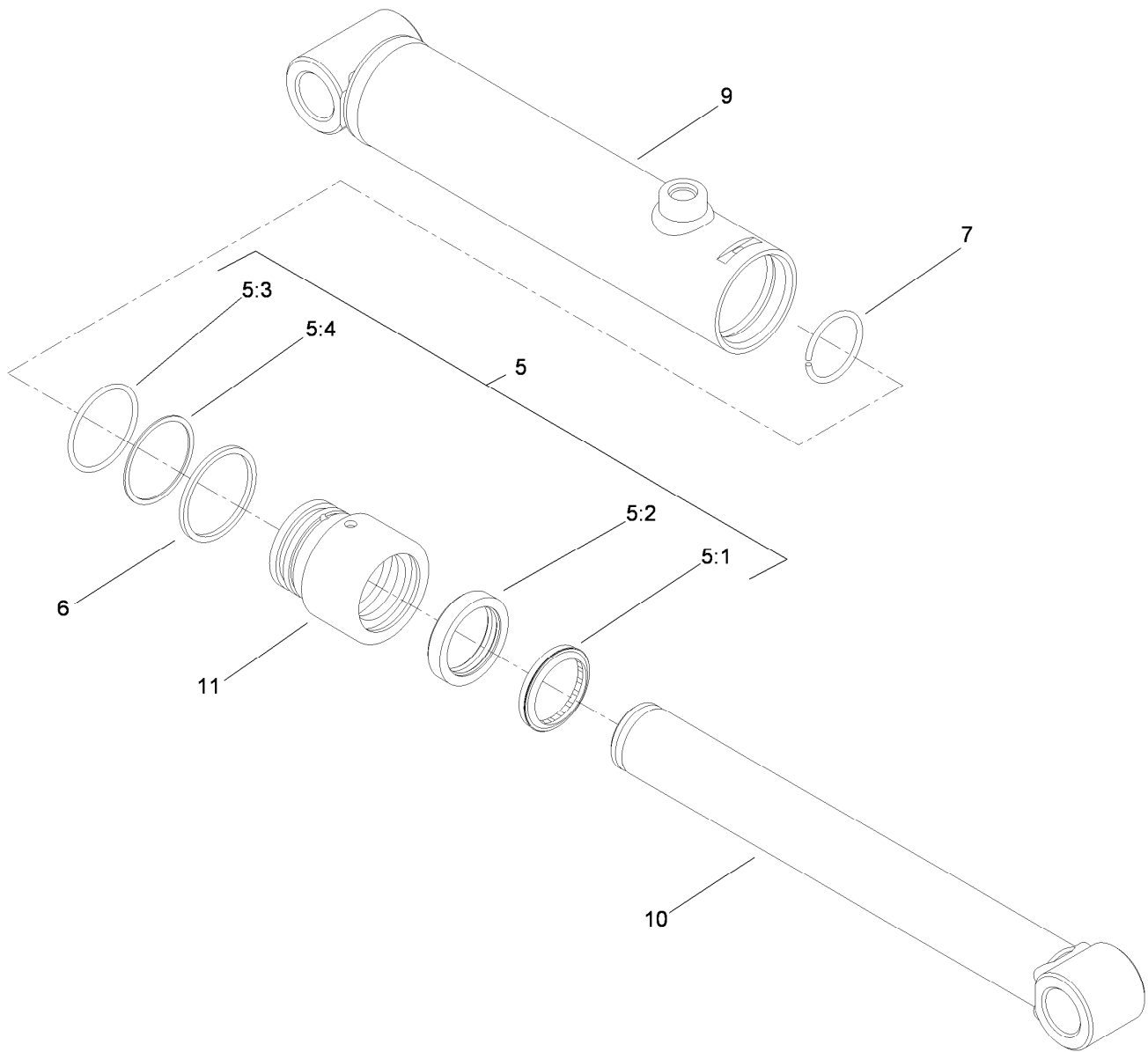
● Not serviced separately



## Lift System Assembly

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    | 3231-2      | 4    | Bolt-CARR             |
| 2    | 105-1190-01 | 2    | Plate-Tension, Spring |
| 3    | 104-8301    | 4    | Nut-HF, NI            |
| 4    | 32151-36    | 4    | Ring-Retaining        |
| 5    | 256-115     | 2    | Washer-Thrust         |
| 6    | 105-1031    | 2    | Pin-Cylinder          |
| 7    | 105-1156-03 | 2    | Spring-Extention      |
| 9    | 105-1030    | 1    | HYD Cylinder ASM      |
| 11   | 282-4       | 4    | Shackle               |
| 11:1 | 283-6       | 1    | Pin-Clevis            |
| 11:2 | 3272-11     | 1    | Pin-Cotter            |

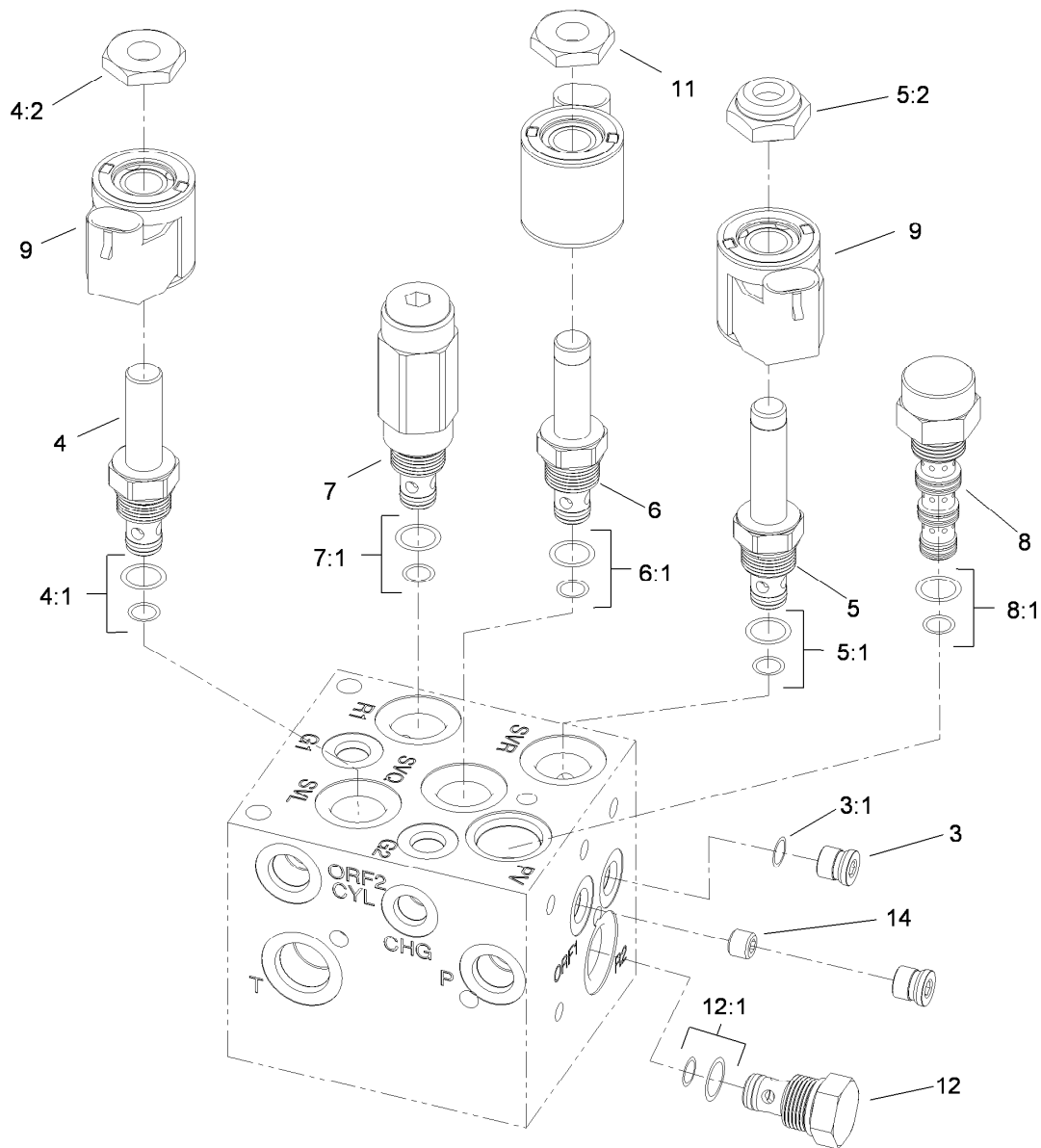
| Ref. | Part Number | Qty. | Description      |
|------|-------------|------|------------------|
| 12   | 88-7530     | 2    | Spacer           |
| 13   | 322-38      | 2    | Screw-HH         |
| 14   | 106-8802    | 1    | Manifold-Control |
| 15   | 107-9531    | 1    | Filter-Oil, HYD  |
| 16   | 104-8300    | 2    | Nut-HF, NI       |
| 17   | 93-6696     | 1    | Decal-Warning    |
| 18   | 103-2888    | 1    | Head-Filter      |
| 19   | 1-633750    | 1    | Filter-Oil, HYD  |
| 20   | 321-2       | 2    | Screw-HH         |
| 21   | 3256-22     | 2    | Washer-Flat      |



## Hydraulic Cylinder Assembly No. 105-1030

| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 5    | 108-6795    | 1    | Cylinder Seal Kit |
| 5:1  |             | 1    | Wiper ●           |
| 5:2  |             | 1    | Seal ●            |
| 5:3  |             | 1    | Ring-Retaining ●  |
| 5:4  |             | 1    | Back-Up ●         |
| 6    | 108-6797    | 1    | Ring-Retaining    |
| 7    |             | 1    | Retaining Ring ●  |
| 9    |             | 1    | Tube ASM ●        |
| 10   |             | 1    | Rod ASM ●         |
| 11   |             | 1    | Head ●            |

● Not serviced separately

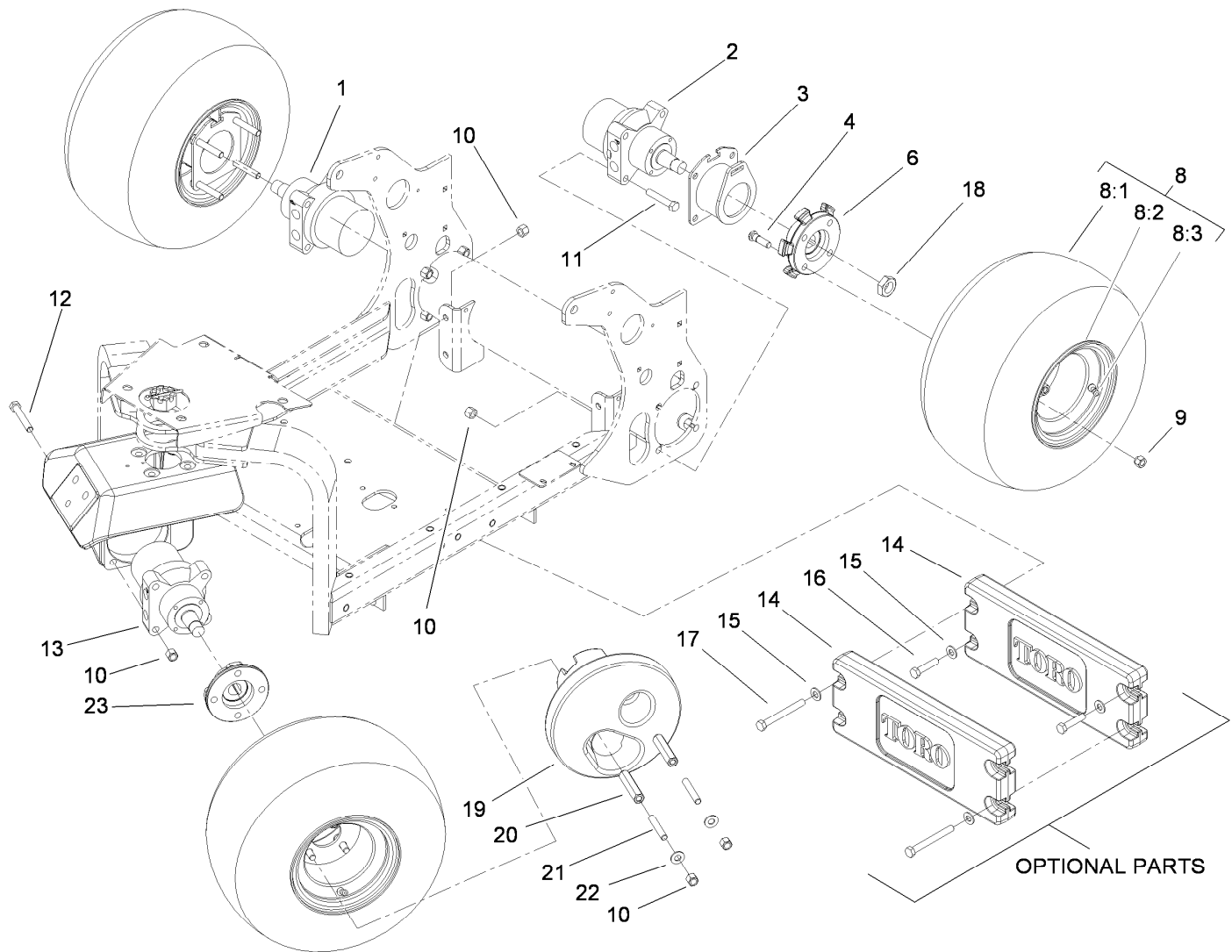


## Control Manifold Assembly No. 106-8802

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 3    | 106-1025    | 2    | Plug-HYD              |
| 3:1  | 237-78      | 1    | O-Ring                |
| 4    | 112-9206    | 1    | Solenoid Valve ASM    |
| 4:1  | 105-9156    | 1    | Seal Kit              |
| 4:2  | 110-2634    | 1    | Nut-Coil              |
| 5    | 107-7517    | 1    | Valve-Solenoid        |
| 5:1  | 105-9156    | 1    | Seal Kit              |
| 5:2  | 107-7812    | 1    | Nut-Solenoid          |
| 6    | 107-7518    | 1    | Valve-Solenoid        |
| 6:1  | 107-7527    | 1    | Seal Kit              |
| 7    | 107-7519    | 1    | Valve-Relief, 900 PSI |

| Ref. | Part Number | Qty. | Description                     |
|------|-------------|------|---------------------------------|
| 7:1  | 105-9156    | 1    | Seal Kit                        |
| 8    | 107-7520    | 1    | Compensator-Pressure (W/Screen) |
| 8:1  | 107-7528    | 1    | Seal Kit                        |
| 9    | 110-0497    | 3    | Coil-Solenoid                   |
| 10   | 107-7522    | 1    | Nut-E Coil ●                    |
| 11   | 105-9332    | 2    | Nut-E Coil                      |
| 12   | 107-7524    | 1    | Check Valve ASM                 |
| 12:1 | 105-9156    | 1    | Seal Kit                        |
| 14   | 107-7525    | 1    | Plug-Orifice (.050 Inch)        |

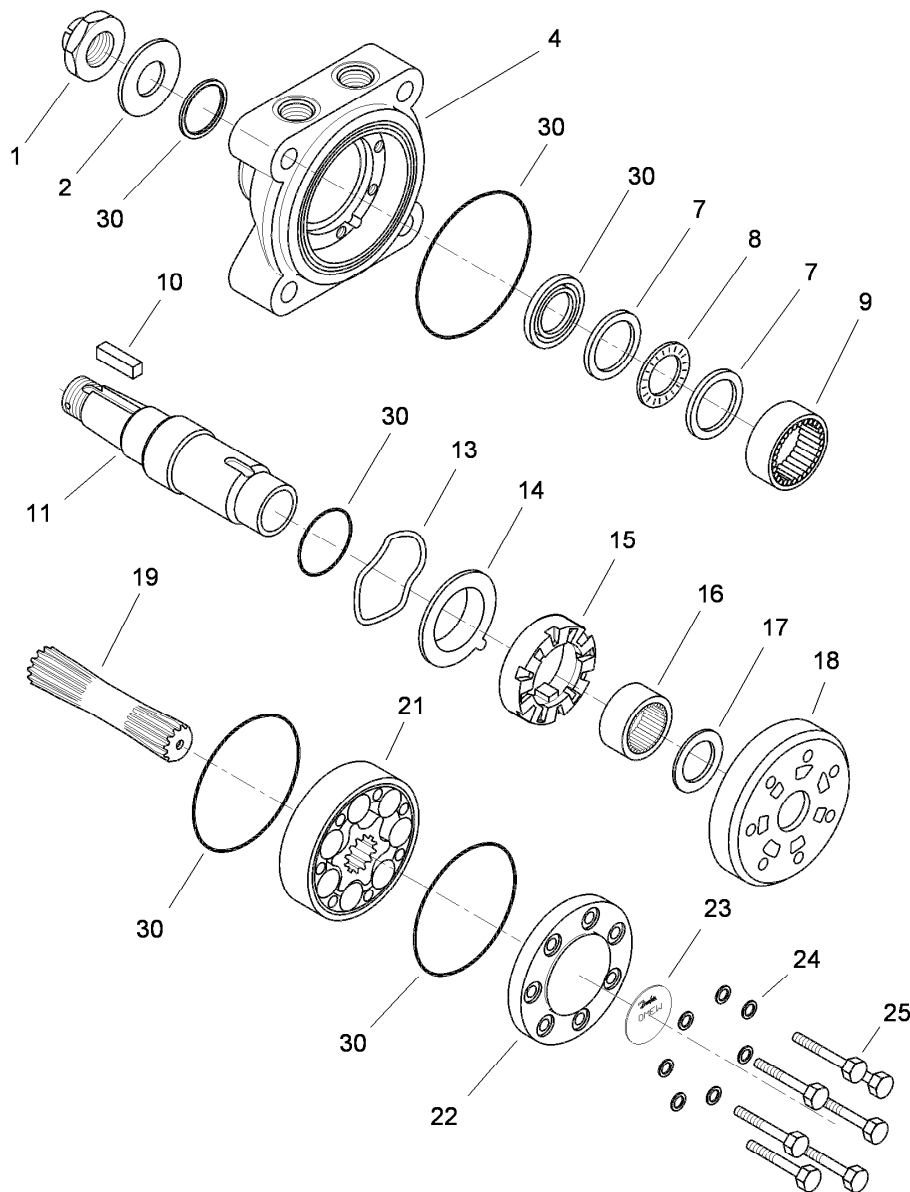
● Not illustrated



## Wheel and Motor Assembly

| Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|
| 1    | 106-8807    | 1    | HYD Motor ASM          |
| 2    | 106-8806    | 1    | HYD Motor ASM          |
| 3    | 106-8881-03 | 2    | Support-Latch, Parking |
| 4    | 85-6540     | 12   | Stud-Drive             |
| 6    | 108-2101-03 | 2    | Hub-Wheel, Spoked      |
| 8    | 114-4665    | 3    | Tire ASM               |
| 8:1  | 70-8500     | 1    | Tire-Smooth, 2-Ply     |
| 8:2  | 114-4643    | 1    | Wheel                  |
| 8:3  | 232-27      | 1    | Stem-Valve             |
| 9    | 242-50      | 10   | Nut-Lug                |
| 10   | 3296-23     | 18   | Nut-Lock, NI           |
| 11   | 325-11      | 8    | Screw-HH               |

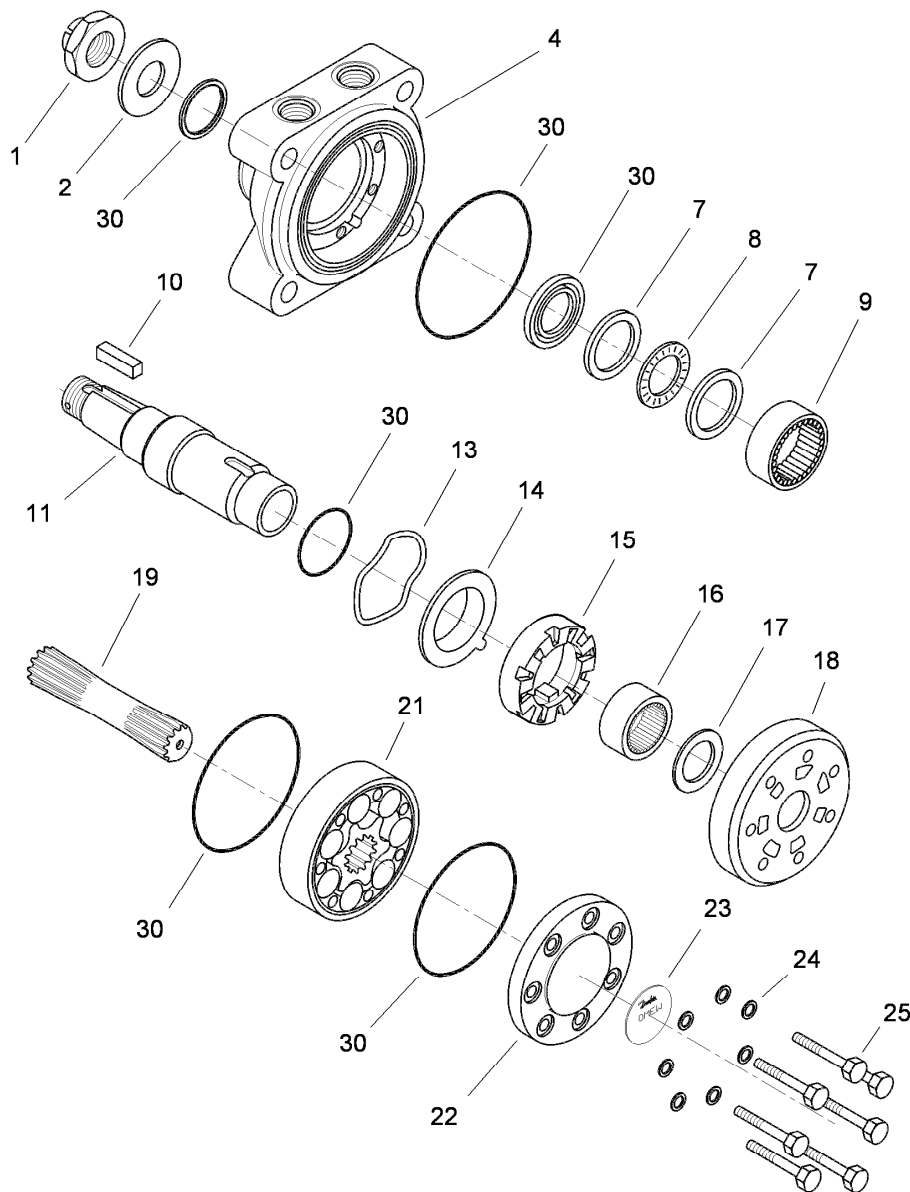
| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 12   | 325-13      | 4    | Screw-HH              |
| 13   | 106-8808    | 1    | HYD Motor ASM         |
| 14   | 99-6166-01  | 2    | Counterweight-Front   |
| 15   | 3256-26     | 4    | Washer-Flat           |
| 16   | 325-9       | 2    | Screw-HH              |
| 17   | 325-18      | 2    | Screw-HH              |
| 18   | 26-3790     | 3    | Nut-Lock              |
| 19   | 107-3396-03 | 1    | Weight-Wheel          |
| 20   | 107-3399    | 2    | Adapter-Weight, Wheel |
| 21   | 105-1088    | 2    | Stud                  |
| 22   | 87-7270     | 2    | Washer-Thrust         |
| 23   | 108-2103-03 | 1    | Hub-Wheel             |



## Hydraulic Motor Assembly No. 106-8807

| Ref. | Part Number | Qty. | Description              | Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|------|-------------|------|--------------------------|
| 1    |             | 1    | Nut-Castellated ●        | 16   |             | 1    | Bearing-Needle, Radial ● |
| 2    |             | 1    | Washer ●                 | 17   |             | 1    | Race-Bearing ●           |
| 4    |             | 1    | Housing ●                | 18   |             | 1    | Plate-Distributor ●      |
| 7    |             | 2    | Race-Bearing ●           | 19   |             | 1    | Shaft-Cardan ●           |
| 8    |             | 1    | Bearing-Needle, Axial ●  | 21   |             | 1    | Gearwheel Set ●          |
| 9    |             | 1    | Bearing-Needle, Radial ● | 22   |             | 1    | Cover-End ●              |
| 10   |             | 1    | Key-Parallel ●           | 23   |             | 1    | Plate-Name ●             |
| 11   |             | 1    | Shaft-Tapered ●          | 24   |             | 7    | Washer ●                 |
| 13   |             | 1    | Washer-Spring ●          | 25   |             | 7    | Screw ●                  |
| 14   |             | 1    | Plate-Balance ●          | 30   | 109-5966    | 1    | Wheel Motor Seal Kit     |
| 15   |             | 1    | Disc-Valve ●             |      |             |      |                          |

● Not serviced separately

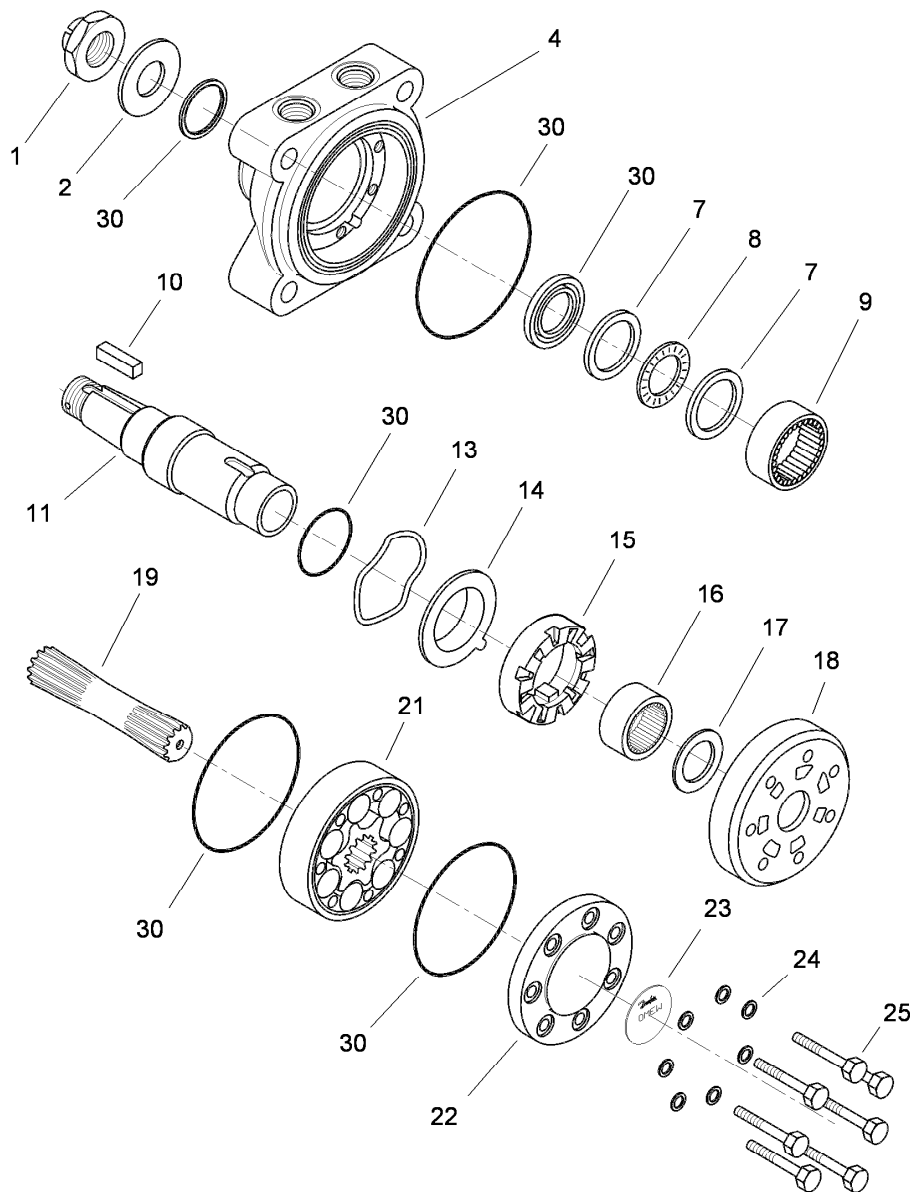


## Hydraulic Motor Assembly No. 106-8806

| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 1    |             | 1    | Nut-Castellated ●        |
| 2    |             | 1    | Washer ●                 |
| 4    |             | 1    | Housing ●                |
| 7    |             | 2    | Race-Bearing ●           |
| 8    |             | 1    | Bearing-Needle, Axial ●  |
| 9    |             | 1    | Bearing-Needle, Radial ● |
| 10   |             | 1    | Key-Parallel ●           |
| 11   |             | 1    | Shaft-Tapered ●          |
| 13   |             | 1    | Washer-Spring ●          |
| 14   |             | 1    | Plate-Balance ●          |
| 15   |             | 1    | Disc-Valve ●             |

| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 16   |             | 1    | Bearing-Needle, Radial ● |
| 17   |             | 1    | Race-Bearing ●           |
| 18   |             | 1    | Plate-Distributor ●      |
| 19   |             | 1    | Shaft-Cardan ●           |
| 21   |             | 1    | Gearwheel Set ●          |
| 22   |             | 1    | Cover-End ●              |
| 23   |             | 1    | Plate-Name ●             |
| 24   |             | 7    | Washer ●                 |
| 25   |             | 7    | Screw ●                  |
| 30   | 109-5966    | 1    | Wheel Motor Seal Kit     |

● Not serviced separately



## Hydraulic Motor Assembly No. 106-8808

| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 1    |             | 1    | Nut-Castellated ●        |
| 2    |             | 1    | Washer ●                 |
| 4    |             | 1    | Housing ●                |
| 7    |             | 2    | Race-Bearing ●           |
| 8    |             | 1    | Bearing-Needle, Axial ●  |
| 9    |             | 1    | Bearing-Needle, Radial ● |
| 10   |             | 1    | Key-Parallel ●           |
| 11   |             | 1    | Shaft-Tapered ●          |
| 13   |             | 1    | Washer-Spring ●          |
| 14   |             | 1    | Plate-Balance ●          |
| 15   |             | 1    | Disc-Valve ●             |

| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 16   |             | 1    | Bearing-Needle, Radial ● |
| 17   |             | 1    | Race-Bearing ●           |
| 18   |             | 1    | Plate-Distributor ●      |
| 19   |             | 1    | Shaft-Cardan ●           |
| 21   |             | 1    | Gearwheel Set ●          |
| 22   |             | 1    | Cover-End ●              |
| 23   |             | 1    | Plate-Name ●             |
| 24   |             | 7    | Washer ●                 |
| 25   |             | 7    | Screw ●                  |
| 30   | 109-5966    | 1    | Wheel Motor Seal Kit     |

● Not serviced separately



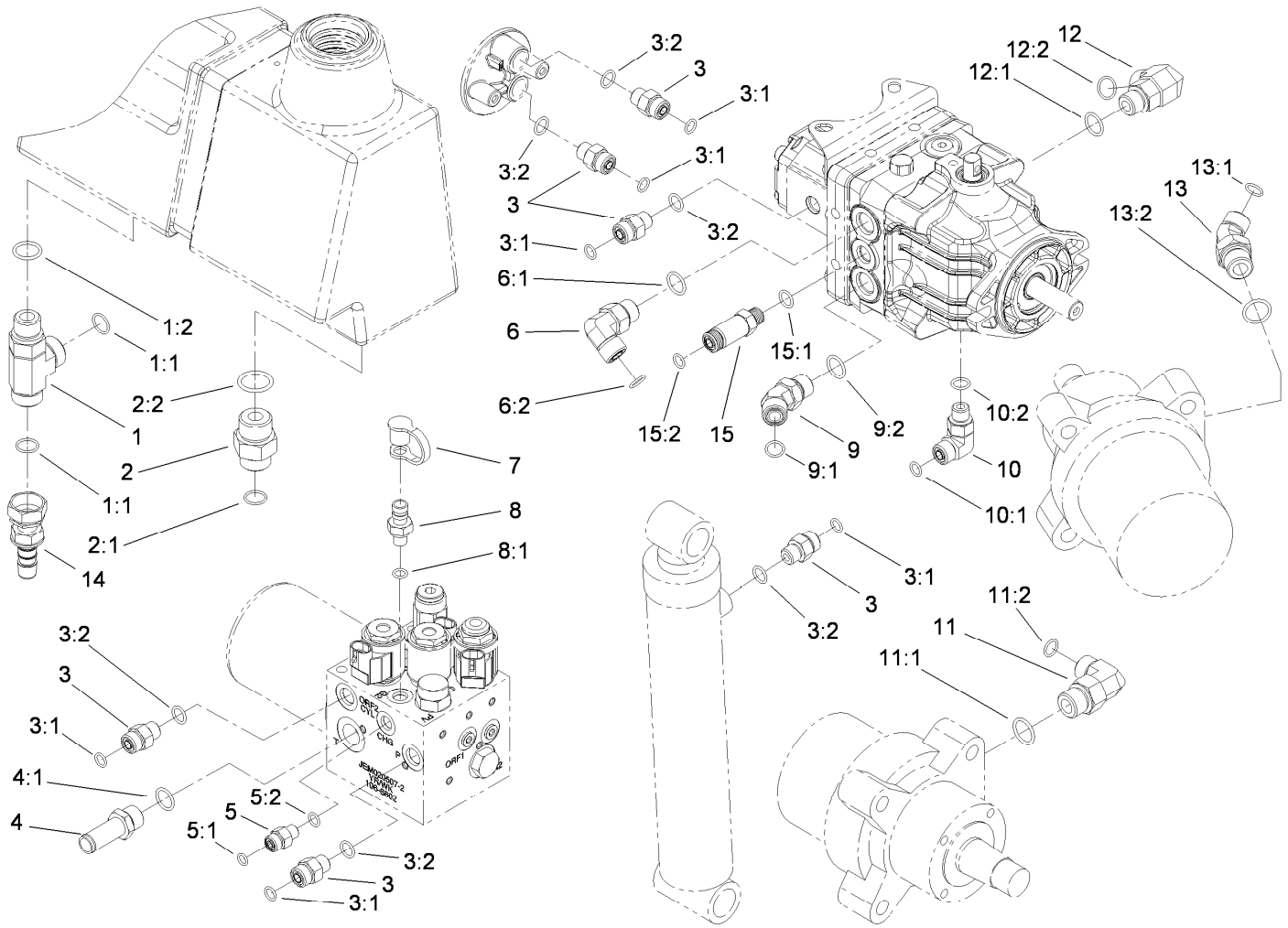
## Brake Latch Assembly

| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 1    | 66-4270     | 1    | Spring-Extension         |
| 2    | 107-3376    | 2    | Spring-Compression       |
| 3    | 19-1470     | 2    | Screw-Shoulder           |
| 4    | 32120-47    | 2    | Ring-Retaining, External |
| 5    | 256-257     | 2    | Bushing-Nyliner          |
| 6    | 106-8887-03 | 1    | Pivot-Latch, Parking     |
| 7    | 104-8300    | 2    | Nut-HF, NI               |
| 8    | 114-0631    | 2    | Clevis-Latch, Parking    |
| 9    | 3290-307    | 5    | Pin-Cotter               |
| 10   | 106-8886    | 2    | Link-Latch, Parking      |
| 11   | 32121-134   | 2    | Pin-Roll                 |
| 12   | 106-8885-03 | 2    | Bar-Latch, Parking       |
| 13   | 283-62      | 1    | Pin-Clevis               |



## Hydraulic Tank Assembly

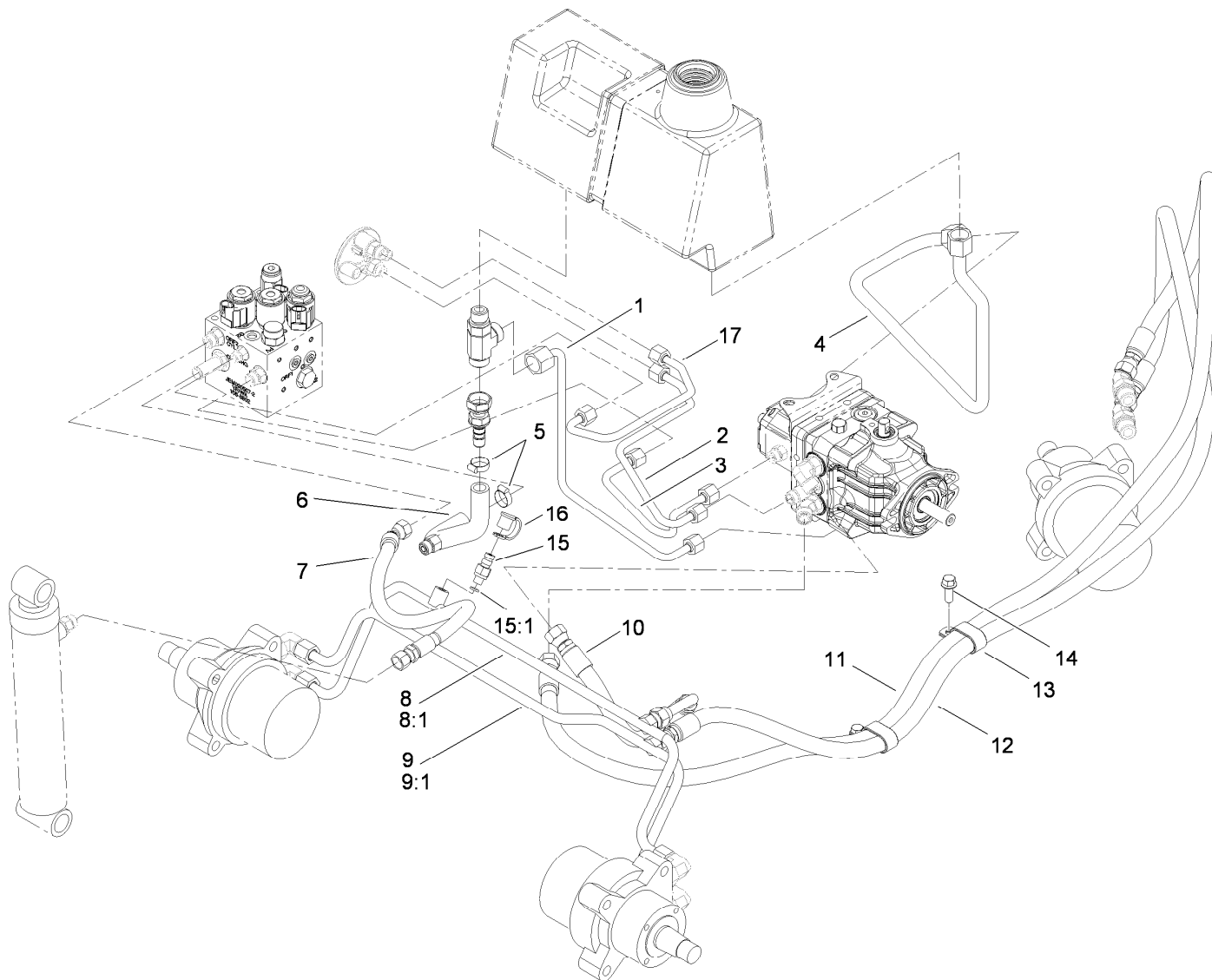
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | 57-5420            | 1           | Screw-Shoulder     |
| 2           | 93-7160            | 1           | Cap-Oil, HYD       |
| 3           | 106-8811           | 1           | Dipstick ASM       |
| 4           | 106-8877           | 1           | Reservoir-Oil, HYD |
| 5           | 94-4642-03         | 1           | Strap-Tank, HYD    |
| 6           | 322-41             | 1           | Screw-HH           |
| 7           | 2412-150           | 1           | Clip-J             |
| 8           | 3256-23            | 1           | Washer-Plain       |



## Hydraulic Fitting Assembly

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    | 340-22      | 1    | Fitting-Tee           |
| 1:1  | 237-65      | 2    | O-Ring                |
| 1:2  | 237-80      | 1    | O-Ring                |
| 2    | 340-8       | 1    | Fitting-Straight      |
| 2:1  | 237-65      | 1    | O-Ring                |
| 2:2  | 237-81      | 1    | O-Ring                |
| 3    | 340-2       | 6    | Fitting-Straight      |
| 3:1  | 237-22      | 1    | O-Ring                |
| 3:2  | 237-42      | 1    | O-Ring                |
| 4    | 107-7569    | 1    | Fitting-STR           |
| 4:1  | 237-79      | 1    | O-Ring                |
| 5    | 340-88      | 1    | Fitting-Straight      |
| 5:1  | 237-22      | 1    | O-Ring                |
| 5:2  | 237-78      | 1    | O-Ring                |
| 6    | 340-98      | 1    | Fitting-Elbow, 90 DEG |
| 6:1  | 237-79      | 1    | O-Ring                |
| 6:2  | 237-30      | 1    | O-Ring                |
| 7    | 354-79      | 2    | Cap-Dust              |
| 8    | 354-77      | 2    | Fitting-Quick         |
| 8:1  | 237-78      | 1    | O-Ring                |

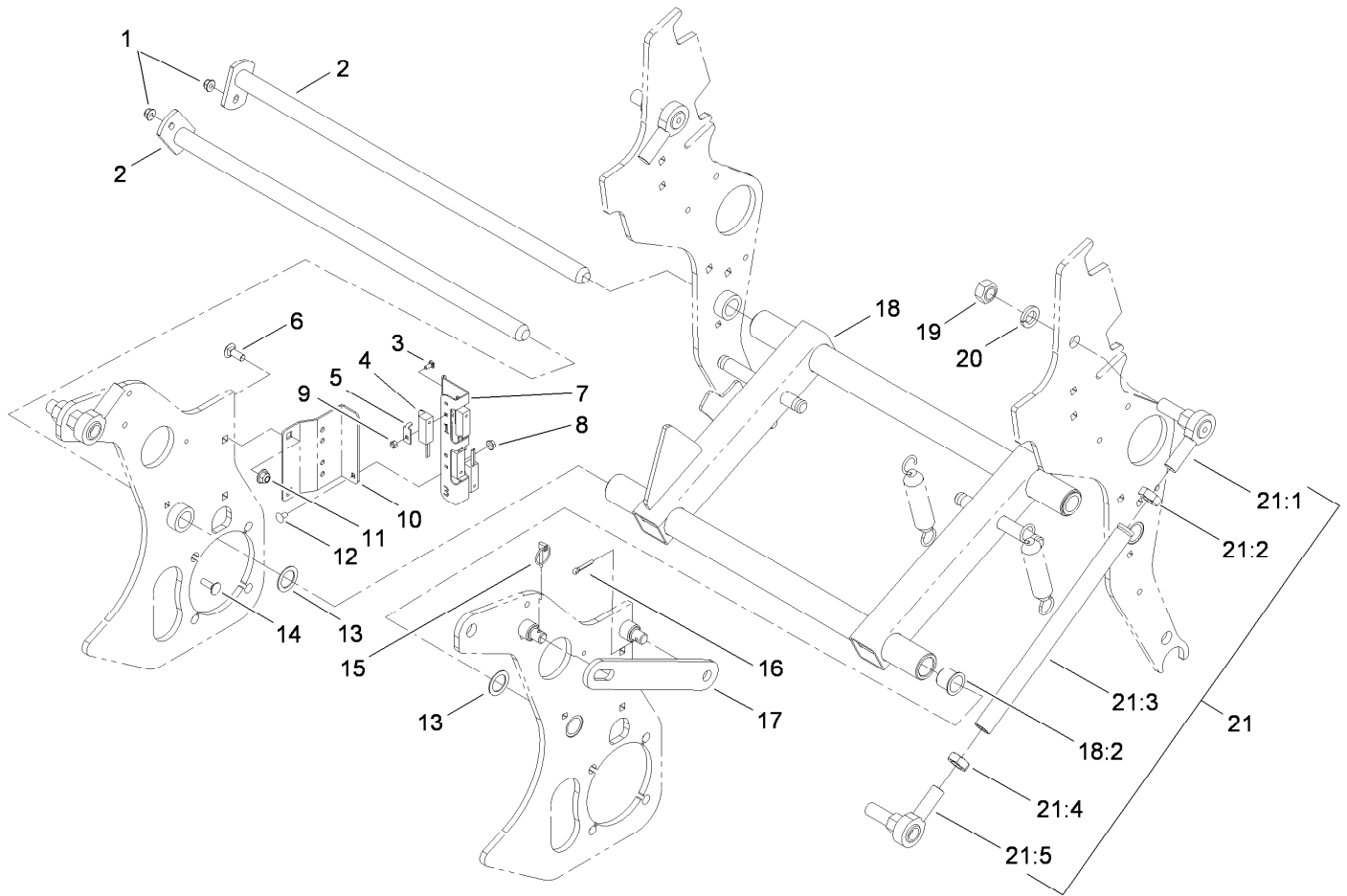
| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 9    | 340-101     | 1    | Fitting-HYD, 45 DEG   |
| 9:1  | 237-30      | 1    | O-Ring                |
| 9:2  | 237-79      | 1    | O-Ring                |
| 10   | 340-77      | 1    | Fitting-Elbow, 90 DEG |
| 10:1 | 237-22      | 1    | O-Ring                |
| 10:2 | 237-42      | 1    | O-Ring                |
| 11   | 340-105     | 4    | Fitting-Elbow, 90 DEG |
| 11:1 | 237-80      | 1    | O-Ring                |
| 11:2 | 237-30      | 1    | O-Ring                |
| 12   | 340-153     | 1    | Fitting-Elbow, 90 DEG |
| 12:1 | 237-79      | 1    | O-Ring                |
| 12:2 | 237-151     | 1    | O-Ring                |
| 13   | 340-89      | 2    | Fitting-HYD, 45 DEG   |
| 13:1 | 237-30      | 1    | O-Ring                |
| 13:2 | 237-80      | 1    | O-Ring                |
| 14   | 107-7568    | 1    | Fitting-HYD, Barbed   |
| 15   | 95-4137     | 1    | Fitting-STR           |
| 15:1 | 237-42      | 1    | O-Ring                |
| 15:2 | 237-22      | 1    | O-Ring                |



## Hardline and Hose Assembly

| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 1    | 107-3388    | 1    | Tube ASM          |
| 2    | 115-4701    | 1    | Tube-HYD          |
| 3    | 112-6539    | 1    | Tube-HYD          |
| 4    | 107-3387    | 1    | Tube ASM          |
| 5    | 2412-141    | 2    | Clamp-Drive, Worm |
| 6    | 107-7565    | 1    | Hose-Formed       |
| 7    | 105-3919    | 1    | Hose-HYD          |
| 8    | 106-8819    | 1    | Tube ASM          |
| 8:1  | 237-30      | 1    | O-Ring            |
| 9    | 106-8818    | 1    | Tube ASM          |

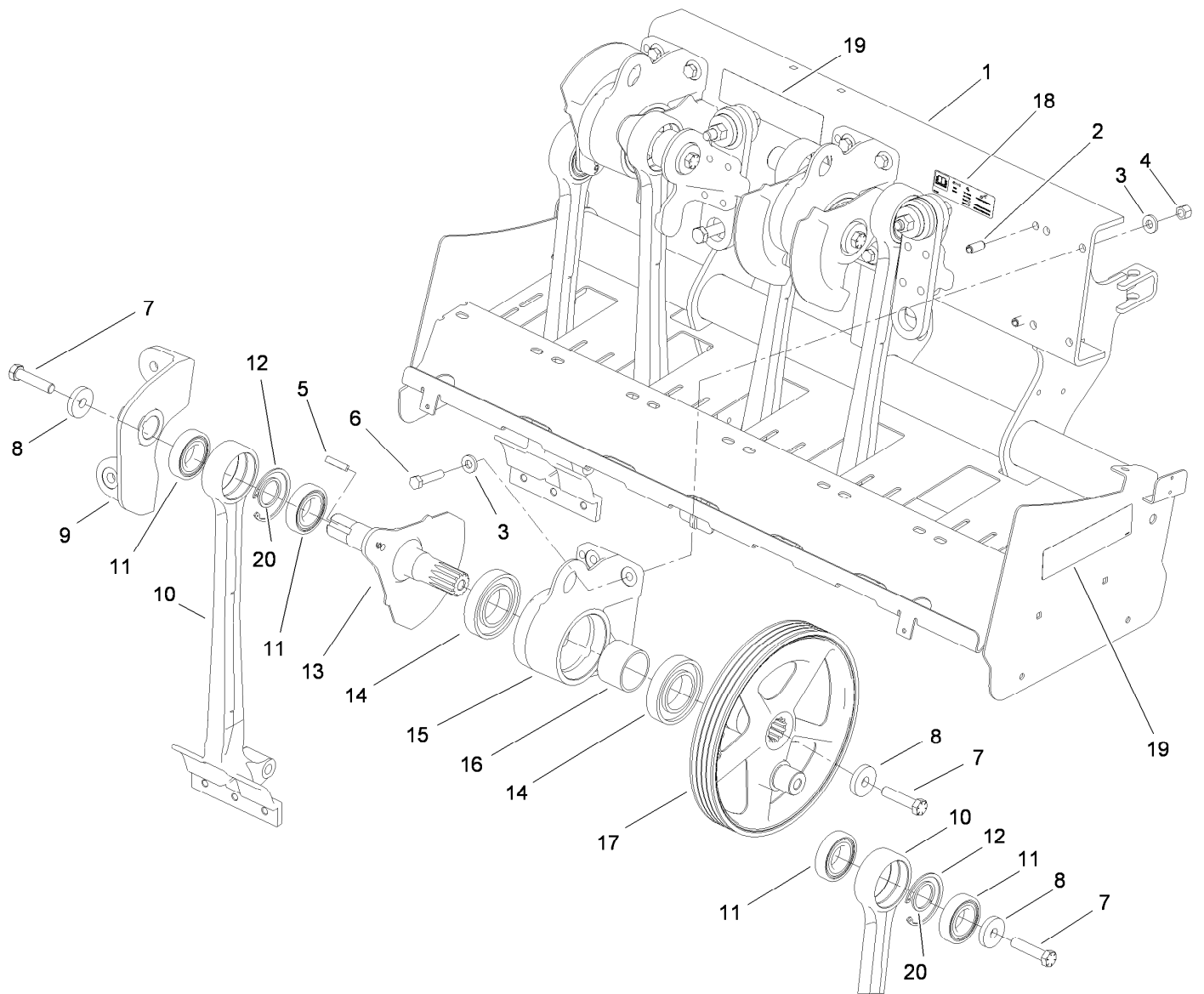
| Ref. | Part Number | Qty. | Description    |
|------|-------------|------|----------------|
| 9:1  | 237-30      | 1    | O-Ring         |
| 10   | 84-0890     | 1    | Hose ASM       |
| 11   | 106-8822    | 1    | Hose ASM       |
| 12   | 106-8821    | 1    | Hose ASM       |
| 13   | 106-8829    | 2    | R Clamp-Double |
| 14   | 3234-11     | 2    | Screw-HHF      |
| 15   | 354-77      | 1    | Fitting-Quick  |
| 15:1 | 237-78      | 1    | O-Ring         |
| 16   | 354-79      | 1    | Cap-Dust       |
| 17   | 108-6811    | 1    | Tube ASM       |



## H-Frame Assembly

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    | 104-8300    | 2    | Nut-HF, NI            |
| 2    | 105-0950    | 2    | Pivot Shaft ASM       |
| 3    | 104-1450    | 4    | Bolt-CARR             |
| 4    | 100-1270    | 4    | Switch-Proximity      |
| 5    | 100-4872    | 4    | Plate-Switch, Neutral |
| 6    | 3231-2      | 2    | Bolt-CARR             |
| 7    | 108-6732    | 1    | Bracket-Switch        |
| 8    | 32128-10    | 2    | Nut-Lock, HHF         |
| 9    | 3296-2      | 4    | Nut-Lock, NI          |
| 10   | 105-1006-01 | 1    | Bracket-Switch        |
| 11   | 104-8301    | 2    | Nut-HF, NI            |
| 12   | 3229-10     | 2    | Screw-CARR            |
| 13   | 10-8110     | 3    | Washer-Thrust         |
| 14   | 3230-2      | 2    | Bolt-CARR             |

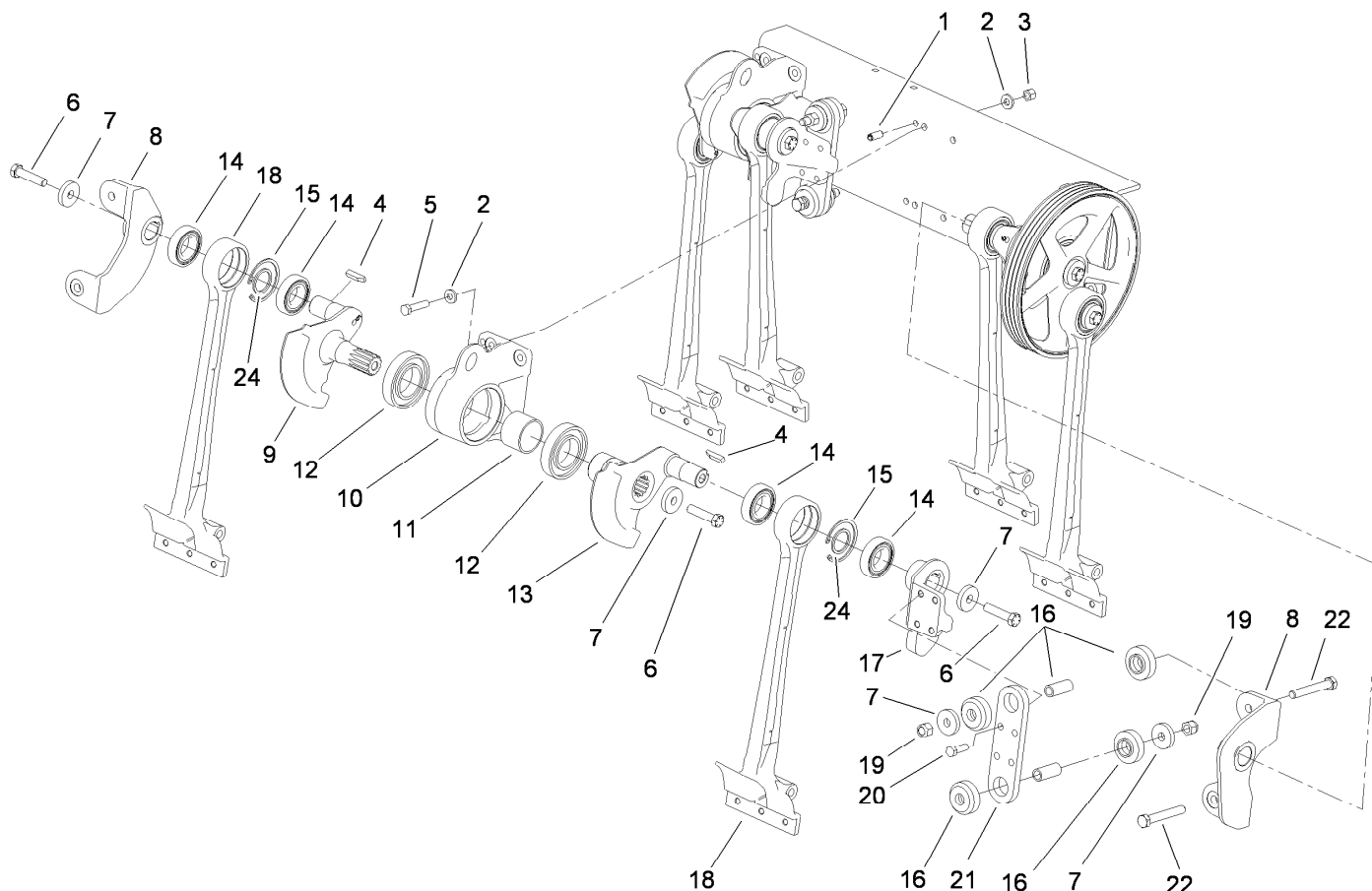
| Ref. | Part Number | Qty. | Description    |
|------|-------------|------|----------------|
| 15   | 3290-495    | 1    | Pin-Klik       |
| 16   | 3272-21     | 1    | Pin-Cotter     |
| 17   | 105-0983-01 | 1    | Bar-Prop       |
| 18   | 112-6516    | 1    | H Frame ASM    |
| 18:2 | 99-3631     | 4    | Bushing-Flange |
| 19   | 3219-7      | 4    | Nut-Hex        |
| 20   | 3253-9      | 4    | Washer-Lock    |
| 21   | 114-2702    | 2    | Link ASM       |
| 21:1 | 105-1025    | 1    | End-Rod        |
| 21:2 | 3220-17     | 1    | Nut-Jam, LH    |
| 21:3 | 105-1007    | 1    | Link-Upper     |
| 21:4 | 3220-7      | 1    | Nut-Jam        |
| 21:5 | 2411-40     | 1    | End-Rod        |



## Coring Head Crank No. 1 and 2 Assembly

| Ref. | Part Number | Qty. | Description     |
|------|-------------|------|-----------------|
| 1    | 110-1495-01 | 1    | Frame-Rear      |
| 2    | 105-1041    | 2    | Pin-Spring      |
| 3    | 107-3395    | 8    | Washer-Hardened |
| 4    | 3296-23     | 4    | Nut-Lock, NI    |
| 5    | 110-4546    | 1    | Key-Square      |
| 6    | 325-9       | 4    | Screw-HH        |
| 7    | 110-4614    | 3    | Screw-HH        |
| 8    | 105-1016    | 3    | Washer-Flat     |
| 9    | 110-4567    | 1    | Coupling-No. 2  |
| 10   | 110-4573    | 2    | Arm-Stomper     |

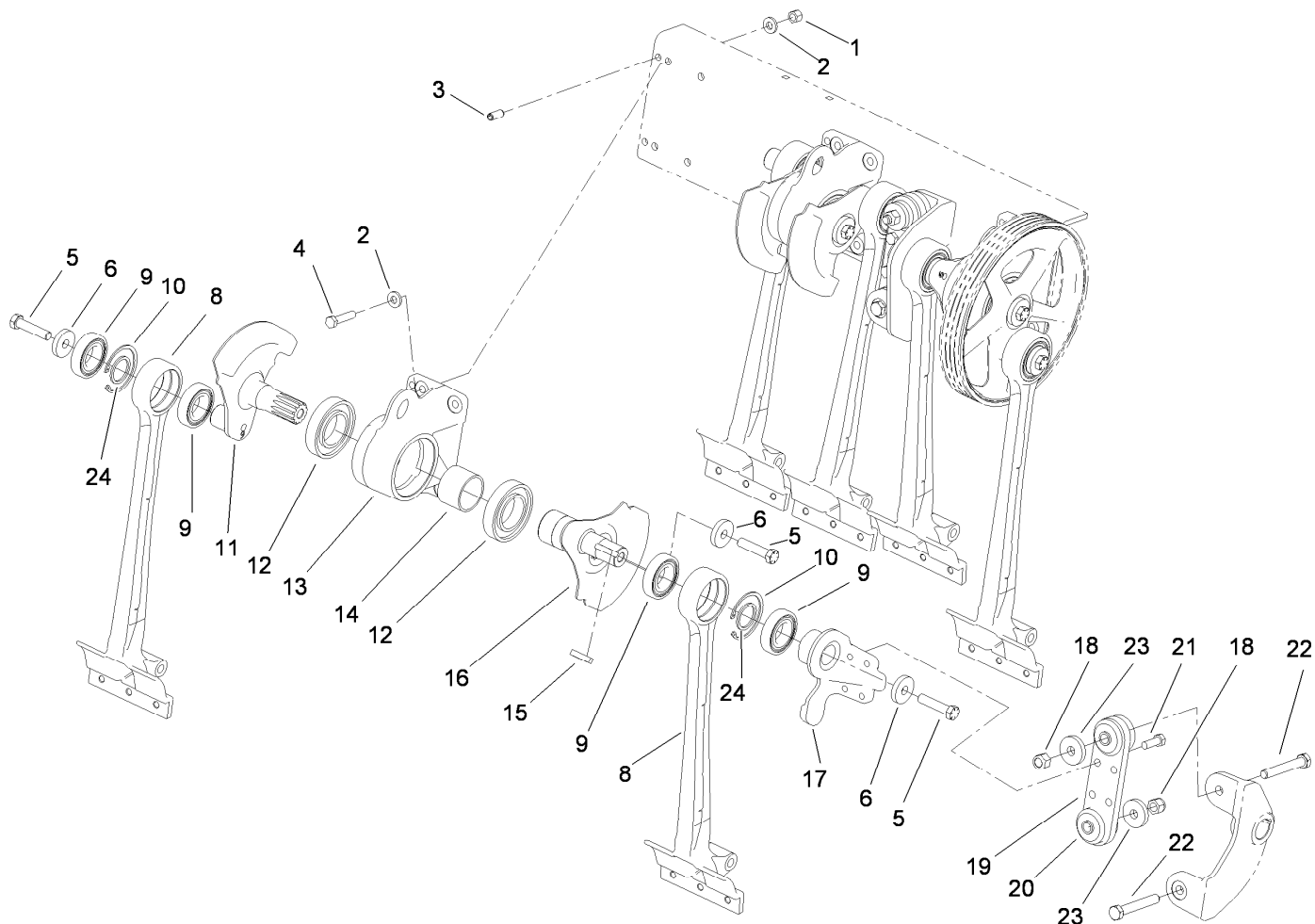
| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 11   | 110-4556    | 4    | Bearing-Ball             |
| 12   | 32151-76    | 2    | Ring-Retaining, Internal |
| 13   | 110-4571    | 1    | Crankarm-No. 2, 4, 6     |
| 14   | 105-0965    | 2    | Bearing-Ball             |
| 15   | 105-0956    | 1    | Housing-Bearing          |
| 16   | 105-1017    | 1    | Spacer                   |
| 17   | 114-1458    | 1    | Pulley-Crankshaft        |
| 18   | 110-4664    | 1    | Decal-Torque, Bolt       |
| 19   | 107-7534    | 3    | Decal-Warning            |
| 20   | 110-4557    | 2    | Spacer-Bearing           |



## Coring Head Crank No. 3 and 4 Assembly

| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 1    | 105-1041    | 2    | Pin-Spring           |
| 2    | 107-3395    | 8    | Washer-Hardened      |
| 3    | 3296-23     | 4    | Nut-Lock, NI         |
| 4    | 110-4546    | 2    | Key-Square           |
| 5    | 325-9       | 4    | Screw-HH             |
| 6    | 110-4614    | 3    | Screw-HH             |
| 7    | 105-1016    | 3    | Washer-Flat          |
| 8    | 110-4569    | 1    | Coupling-No.4        |
| 9    | 110-4571    | 1    | Crankarm-No. 2, 4, 6 |
| 10   | 105-0956    | 1    | Housing-Bearing      |
| 11   | 105-1017    | 1    | Spacer               |
| 12   | 105-0965    | 2    | Bearing-Ball         |

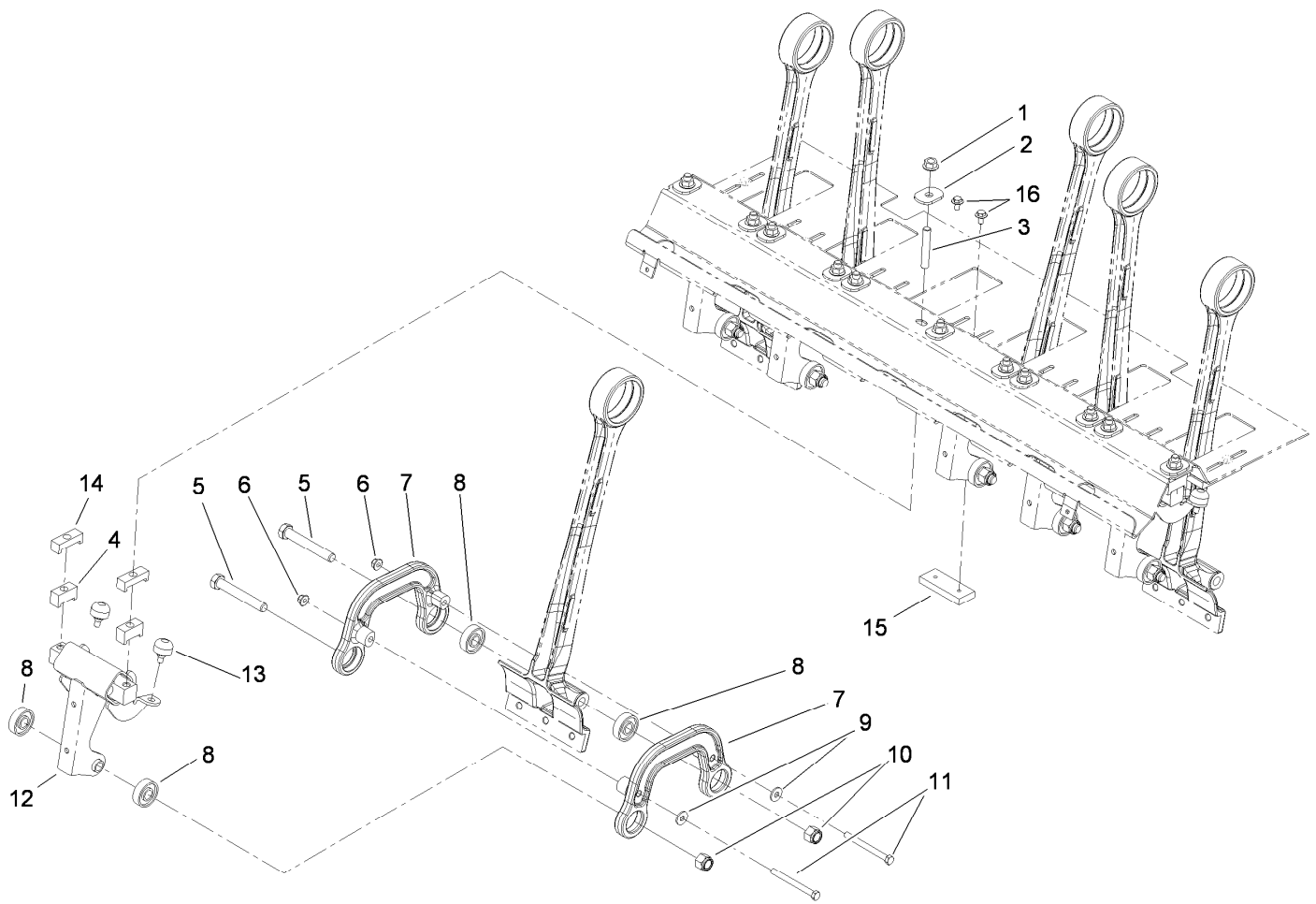
| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 13   | 110-4572    | 1    | Crankarm-No. 3, 5, 7     |
| 14   | 110-4556    | 4    | Bearing-Ball             |
| 15   | 32151-76    | 2    | Ring-Retaining, Internal |
| 16   | 105-0963    | 2    | Mount-ISO, Crank         |
| 17   | 110-4568    | 1    | Coupling-No. 3           |
| 18   | 110-4573    | 2    | Arm-Stomper              |
| 19   | 3296-53     | 2    | Nut-Lock, NI             |
| 20   | 325-6       | 4    | Screw-HH                 |
| 21   | 105-0974-03 | 1    | Plate-Coupling           |
| 22   | 327-29      | 2    | Screw-HH                 |
| 24   | 110-4557    | 2    | Spacer-Bearing           |



## Coring Head Crank No. 5 and 6 Assembly

| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 1    | 3296-23     | 4    | Nut-Lock, NI             |
| 2    | 107-3395    | 8    | Washer-Hardened          |
| 3    | 105-1041    | 2    | Pin-Spring               |
| 4    | 325-9       | 4    | Screw-HH                 |
| 5    | 110-4614    | 3    | Screw-HH                 |
| 6    | 105-1016    | 3    | Washer-Flat              |
| 8    | 110-4573    | 2    | Arm-Stomper              |
| 9    | 110-4556    | 4    | Bearing-Ball             |
| 10   | 32151-76    | 2    | Ring-Retaining, Internal |
| 11   | 110-4576    | 1    | Crankarm-No.6            |
| 12   | 105-0965    | 2    | Bearing-Ball             |
| 13   | 105-0956    | 1    | Housing-Bearing          |

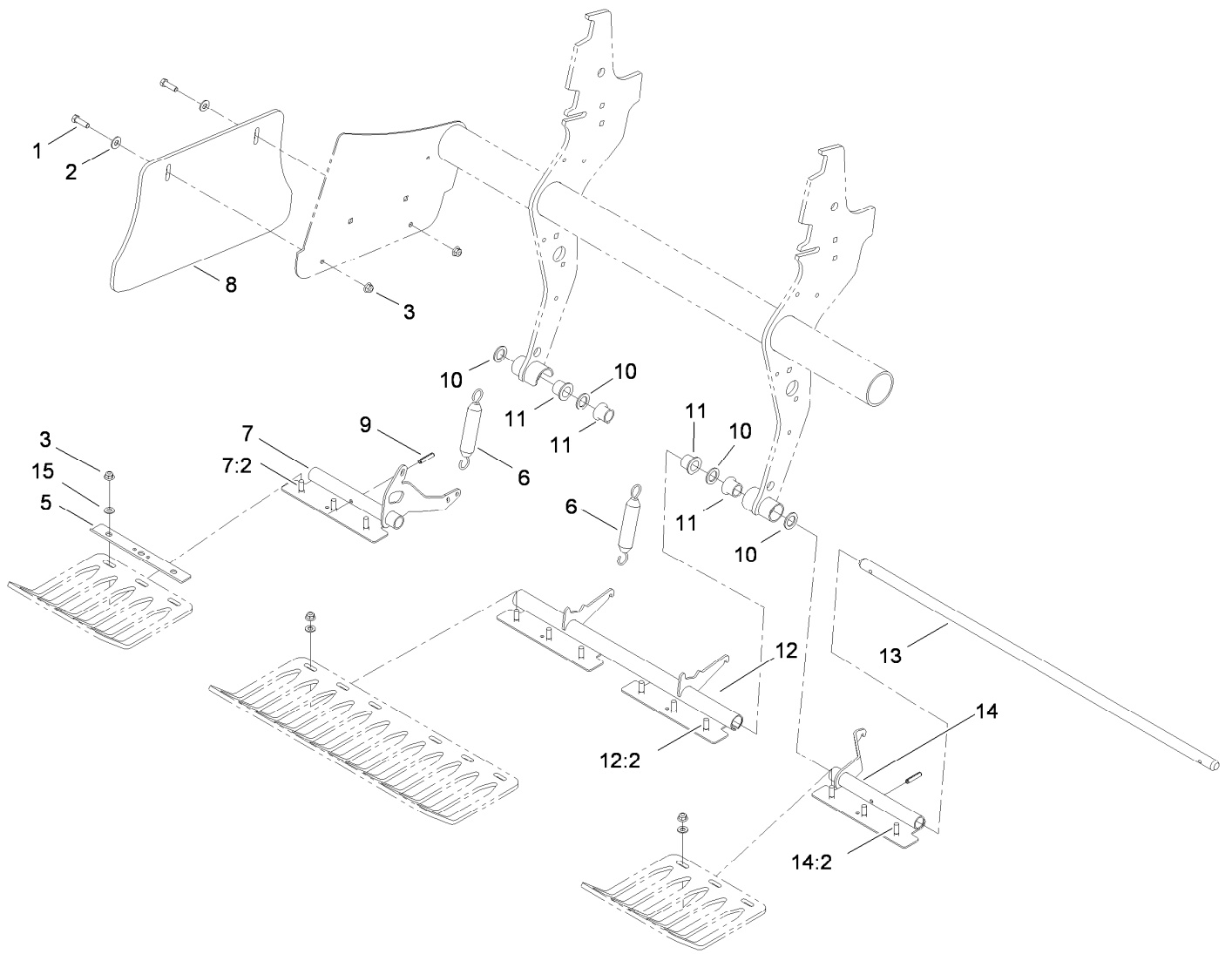
| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 14   | 105-1017    | 1    | Spacer               |
| 15   | 110-4546    | 1    | Key-Square           |
| 16   | 110-4572    | 1    | Crankarm-No. 3, 5, 7 |
| 17   | 110-4570    | 1    | Coupling-N0.5        |
| 18   | 3296-53     | 2    | Nut-Lock, NI         |
| 19   | 105-0974-03 | 1    | Plate-Coupling       |
| 20   | 105-0963    | 2    | Mount-ISO, Crank     |
| 21   | 325-6       | 4    | Screw-HH             |
| 22   | 327-29      | 2    | Screw-HH             |
| 23   | 110-4549    | 2    | Washer-Snubbing      |
| 24   | 110-4557    | 2    | Spacer-Bearing       |



## Coring Head Assembly for Rotolinks

| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 1    | 32128-23    | 12   | Nut-HF            |
| 2    | 107-7543    | 12   | Washer-Hardened   |
| 3    | 105-1088    | 12   | Stud              |
| 4    | 105-0999    | 12   | Standoff-Damper V |
| 5    | 327-29      | 12   | Screw-HH          |
| 6    | 104-8301    | 12   | Nut-HF, NI        |
| 7    | 105-1000    | 12   | Link-Damper       |
| 8    | 251-311     | 24   | Bearing-Ball      |

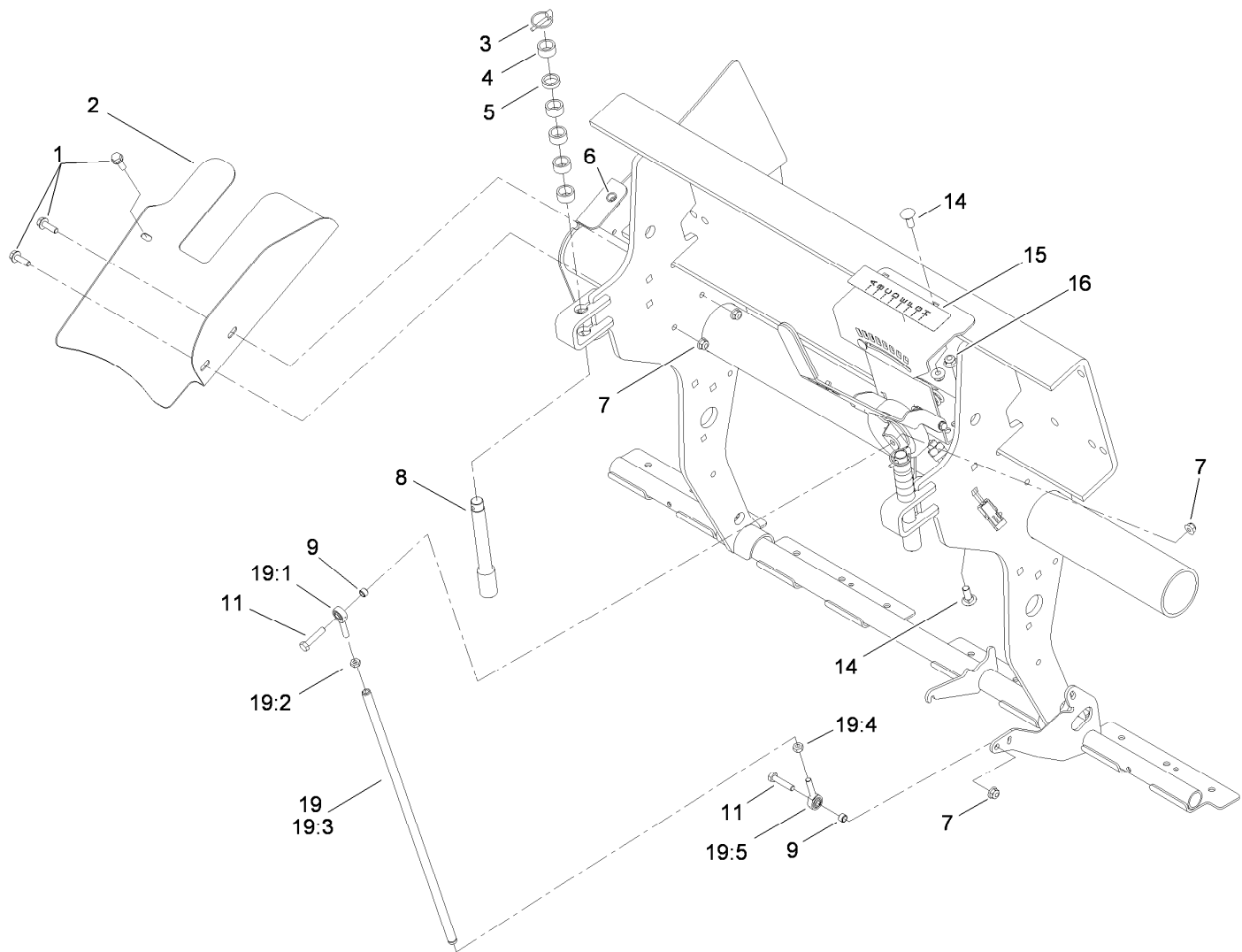
| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 9    | 80-6990     | 12   | Washer-Hardened      |
| 10   | 3296-53     | 12   | Nut-Lock, NI         |
| 11   | 323-16      | 12   | Screw-HH             |
| 12   | 106-8922    | 6    | Damper               |
| 13   | 87-2440     | 12   | Bumper-Rubber        |
| 14   | 107-7582    | 12   | Spacer-Damper, Top V |
| 15   | 107-7584    | 7    | Plate-Bumper V       |
| 16   | 3234-7      | 14   | Screw-HHF            |



## Coring Head Assembly for Turfguards

| Ref. | Part Number | Qty. | Description               |
|------|-------------|------|---------------------------|
| 1    | 323-7       | 4    | Screw-HH                  |
| 2    | 3256-4      | 4    | Washer-Flat               |
| 3    | 104-8301    | 16   | Nut-HF, NI                |
| 5    | 110-4274-03 | 4    | Clamp-Guard, Turf         |
| 6    | 66-4270     | 2    | Spring-Extension          |
| 7    | 110-4395    | 1    | LH Turf Guard Bracket ASM |
| 7:2  | 110-4268    | 3    | Screw-Neck, Rib           |
| 8    | 105-1069    | 2    | Shield-Side               |
| 9    | 32121-25    | 2    | Pin-Roll                  |

| Ref. | Part Number | Qty. | Description                   |
|------|-------------|------|-------------------------------|
| 10   | 3-7898      | 4    | Washer-Thrust                 |
| 11   | 107-7581    | 4    | Bushing-Flange, Keyed         |
| 12   | 110-4393    | 1    | Center Turf Guard Bracket ASM |
| 12:2 | 110-4268    | 6    | Screw-Neck, Rib               |
| 13   | 105-1024    | 1    | Shaft-Guard, Turf             |
| 14   | 110-4394    | 1    | RH Turf Guard Bracket ASM     |
| 14:2 | 110-4268    | 3    | Screw-Neck, Rib               |
| 15   | 3256-24     | 12   | Washer-Flat                   |

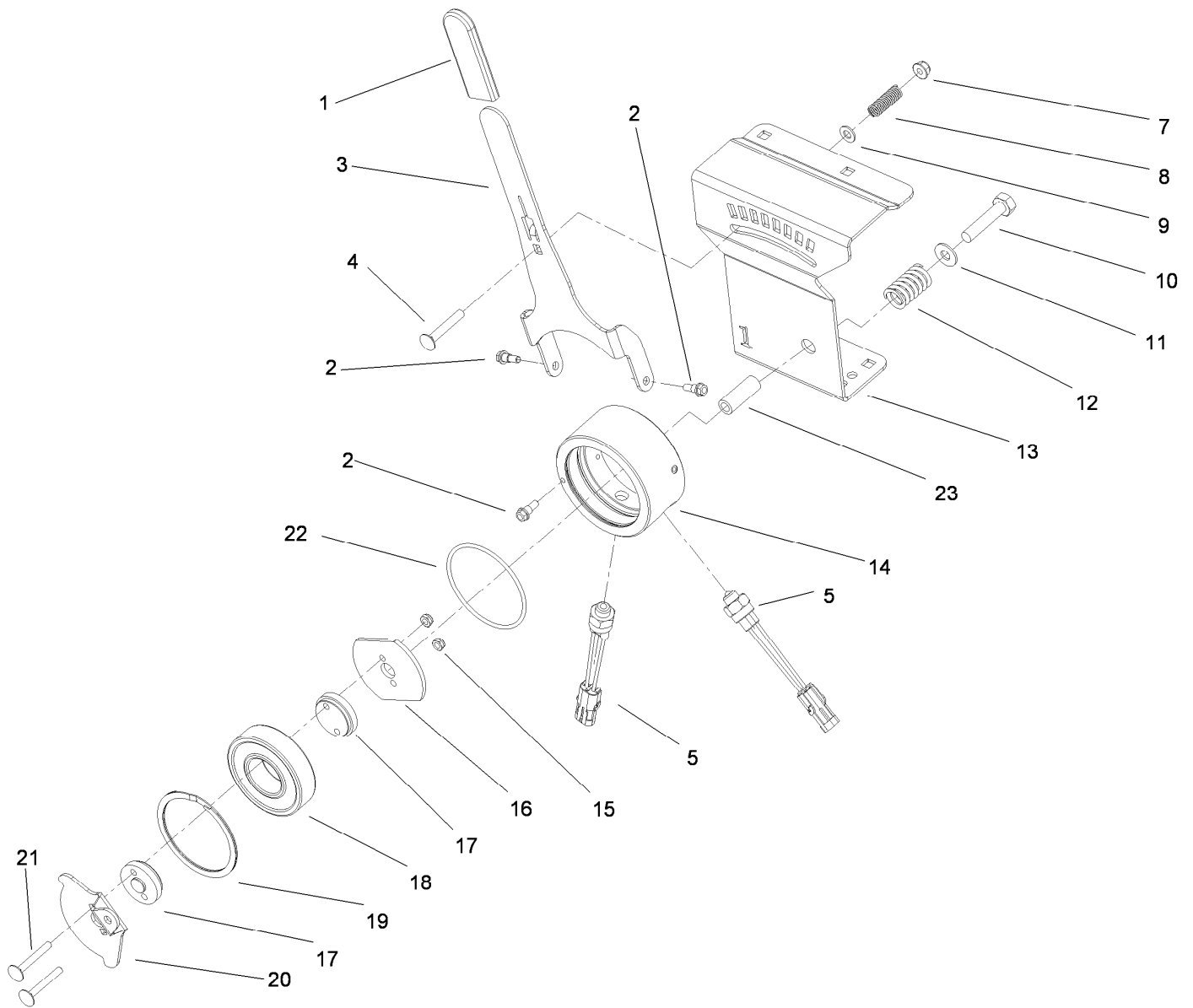


## Depth Control Assembly

| Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|
| 1    | 3234-17     | 3    | Screw-HHF              |
| 2    | 105-1092-01 | 1    | Shield-Top, Belt       |
| 3    | 3290-495    | 2    | Pin-Klik               |
| 4    | 74-3730     | 10   | Spacer-Spindle, Rear   |
| 5    | 105-3828    | 2    | Spacer                 |
| 6    | 32148-7     | 1    | Nut-Clinch             |
| 7    | 104-8300    | 4    | Nut-HF, NI             |
| 8    | 105-1004    | 2    | Pin-Stop, Depth        |
| 9    | 92-3133     | 2    | Spacer-Lever, Traction |
| 11   | 322-7       | 2    | Screw-HH               |

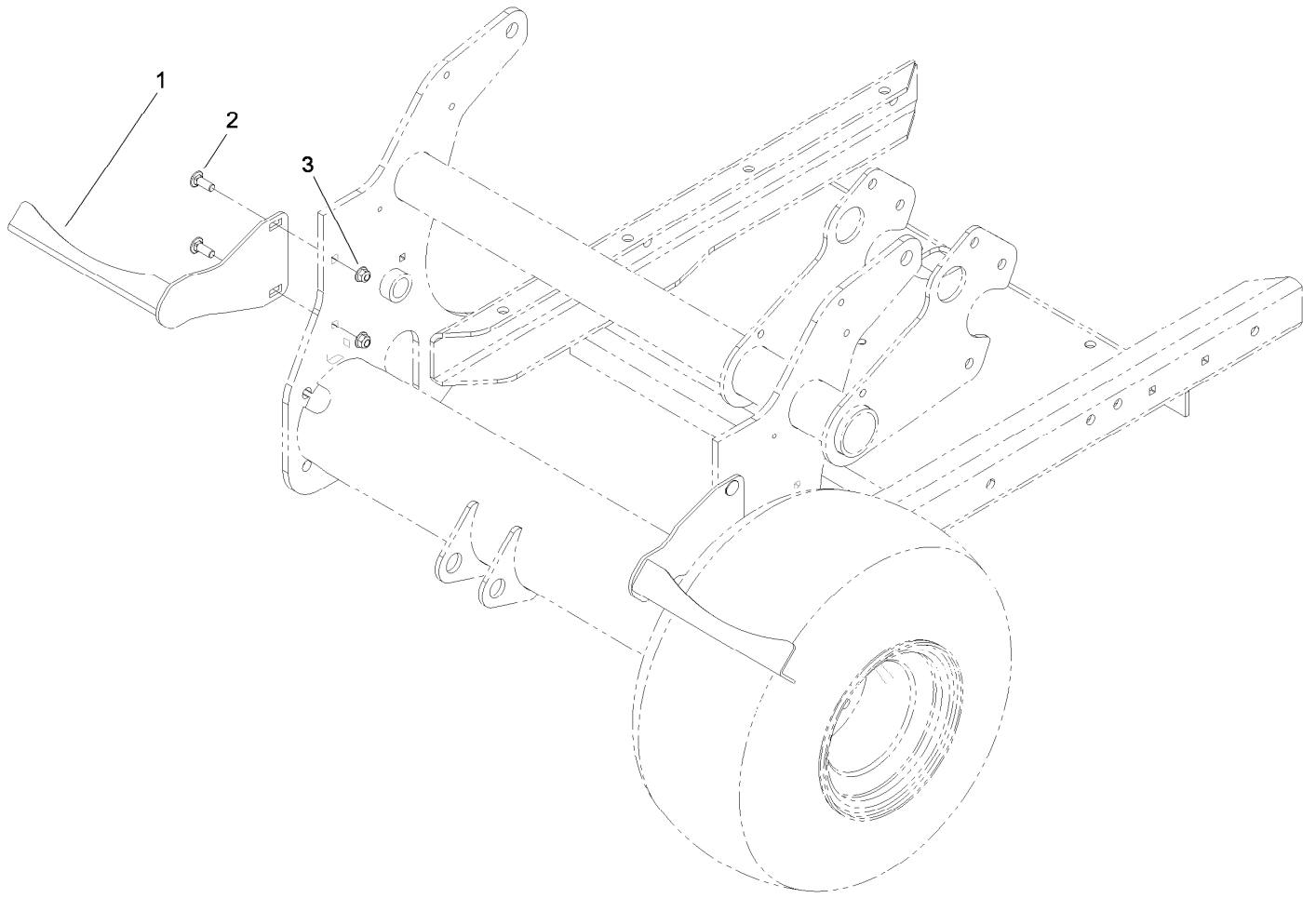
| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 14   | 3231-2      | 4    | Bolt-CARR            |
| 15   | 106-8853    | 1    | Decal-Control, Depth |
| 16   | 104-8301    | 4    | Nut-HF, NI           |
| 19   |             | 1    | Link ASM ●           |
| 19:1 | 2411-52     | 1    | Bearing-Rod End, RH  |
| 19:2 | 3220-2      | 1    | Nut-Jam              |
| 19:3 | 105-1067    | 1    | Tube-Control, Depth  |
| 19:4 | 3220-20     | 1    | Nut-Jam              |
| 19:5 | 2411-53     | 1    | Bearing-Rod End, LH  |

● Not serviced separately



## Depth Actuator Assembly

| Ref. | Part Number | Qty. | Description        | Ref. | Part Number | Qty. | Description            |
|------|-------------|------|--------------------|------|-------------|------|------------------------|
| 1    | 21-1880     | 1    | Grip-Handle        | 13   | 106-8865-03 | 1    | Support-Control, Depth |
| 2    | 42-3560     | 3    | Bolt-Shoulder      | 14   | 108-2129    | 1    | Housing-Control, Depth |
| 3    | 106-8860-03 | 1    | Arm-Control, Depth | 15   | 3296-56     | 2    | Nut-Lock, NI           |
| 4    | 3230-6      | 1    | Bolt-CARR          | 16   | 106-8864    | 1    | Actuator-Switch        |
| 5    | 72-4320     | 2    | Switch-Ball        | 17   | 106-8863    | 2    | Spacer-Control, Depth  |
| 7    | 104-8300    | 1    | Nut-HF, NI         | 18   | 106-8871    | 1    | Bearing-Ball           |
| 8    | 95-1821     | 1    | Spring-Compression | 19   | 106-8872    | 1    | Ring-Retaining         |
| 9    | 3256-23     | 1    | Washer-Plain       | 20   | 106-8861-03 | 1    | Arm-Actuator, Switch   |
| 10   | 322-11      | 1    | Screw-HH           | 21   | 3230-33     | 2    | Screw-CARR             |
| 11   | 3256-4      | 1    | Washer-Flat        | 22   | 237-33      | 1    | O-Ring                 |
| 12   | 66-9010     | 1    | Spring-Compression | 23   | 95-6448     | 1    | Spacer                 |



## Optional Tire Scraper Assembly (Model 09225)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | 107-7531-03        | 2           | Scraper-Wheel      |
| 2           | 3231-26            | 4           | Screw-CARR         |
| 3           | 104-8301           | 4           | Nut-HF, NI         |

# Attachments and Accessories

## For 09200 ProCore 648 Aerator

| Product Name                                                       | Model/Part  |
|--------------------------------------------------------------------|-------------|
| Windrower Kit .....                                                | 09220       |
| Tire Scraper Kit.....                                              | 09225       |
| Rear Roller Kit .....                                              | 09234       |
| Three-Tine Head Quick Lock .....                                   | 09711       |
| Four-Tine Head Quick Lock .....                                    | 09719       |
| 2 x 5 Mini Tine Head .....                                         | 09736       |
| 1 x 6 Mini Tine Head .....                                         | 09737       |
| Needle Tine Head .....                                             | 09739       |
| 3/4in Three-Tine Head .....                                        | 09794       |
| 3/4in Four-Tine Head .....                                         | 09796       |
| 7/8in Three-Tine Head .....                                        | 09797       |
| Red Gas Cap .....                                                  | 107-2173    |
| Yellow Hydraulic Fluid Cap (Tethered) .....                        | 107-2174    |
| Premium Engine Oil, 10w30 (55 Gallon Drum) .....                   | 108-1179    |
| Premium Engine Oil, 10w30 (5 Gallon Pail) .....                    | 108-1180    |
| Premium Transmission/Hydraulic Tractor Fluid (55 Gallon Drum)..... | 108-1183    |
| Premium Transmission/Hydraulic Tractor Fluid (5 Gallon Pail) ..... | 108-1184    |
| Premium All Purpose Grease (Tube) .....                            | 108-1190    |
| Coring Head Bearing Kit .....                                      | 108-2132    |
| 3-Tine Turf Guard (Short).....                                     | 110-4357    |
| 3-Tine Turf Guard (Long) .....                                     | 110-4358    |
| 4-Tine Turf Guard (Short).....                                     | 110-4361    |
| 4-Tine Turf Guard (Long) .....                                     | 110-4362    |
| Mini Turf Guard (Short) .....                                      | 110-4365    |
| Mini Turf Guard (Long).....                                        | 110-4366    |
| 6-Tine Turf Guard (Short).....                                     | 110-4369    |
| 6-Tine Turf Guard (Long) .....                                     | 110-4370    |
| Sleeve Tool ASM .....                                              | 114-0590-01 |
| Screen-Silencer, Exhaust .....                                     | 93-9911     |
| 60 LB Weight .....                                                 | 99-6166-01  |

**Notes:**

**Notes:**

**Notes:**



**Count on it.**