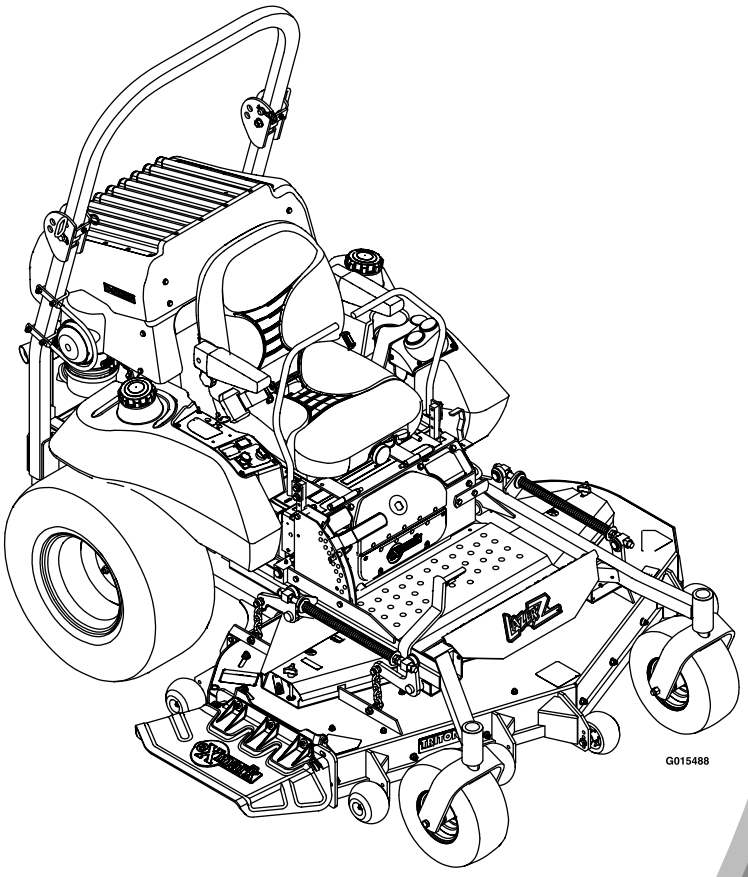
# Parts Manual

# LAZER Z® DS-SERIES

**Model No. LZDS902K60RD—Serial No. 314000000 and Up**

**Picture below may not reflect actual product.**




Part No. 4501-770 Rev. C

# 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.

# List of Abbreviations

**AR:** as required

**ASM:** assembly

**BBC:** blade brake control

**BHTF:** button head thread forming

**CARR:** carriage

**CCW:** counter clockwise

**CW:** clockwise

**DEG:** degrees

**DPA:** Dual Point Adjustment

**ECM:** electronic control module

**EXT:** external

**FH:** flat head

**GA:** gauge

**HD:** heavy-duty

**HF:** hex flange

**HH:** hex head

**HHF:** hex head flange

**HHFTF:** hex head flange thread forming

**HJ:** hex jam

**HLH:** hex lag head

**HOC:** height-of-cut

**HP:** high pressure

**HSBH:** hex socket button head

**HSFH:** hex socket flat head

**HSH:** hex socket head

**HWH:** hex washer head

**HWHTF:** hex washer head thread forming

**HYD:** hydraulic

**LH:** left hand

**LP:** low pressure

**LPG:** Liquefied Petroleum Gas

**NI:** nylon insert

**NPTF:** national pipe thread fine

**PFH:** phillips flat head

**PPH:** phillips pan head

**PPHTF:** phillips pan head thread forming

**PRH:** phillips round head

**PTH:** phillips truss head

**PTO:** power-take-off

**RH:** right hand

**ROPS:** roll-over protection system

**RRB:** rear roller brush

**SFH:** slotted fillister head

**SHH:** slotted hex head

**SHWH:** slotted hex washer head

**SPH:** slotted pan head

**SQH:** square head

**SRH:** slotted round head

**STD:** standard

**TAP:** self tapping

**TTH:** torx truss head

# Touch Up Paint

Exmark black touch up spray paint – gloss black.

Exmark red touch up paint (spray paint – P/N 1-850337 - .6 oz liquid bottle – P/N 103-9140).

**© 2014—Exmark Mfg. Co., Inc.**
**Industrial Park Box 808**
**Beatrice, NE 68310**



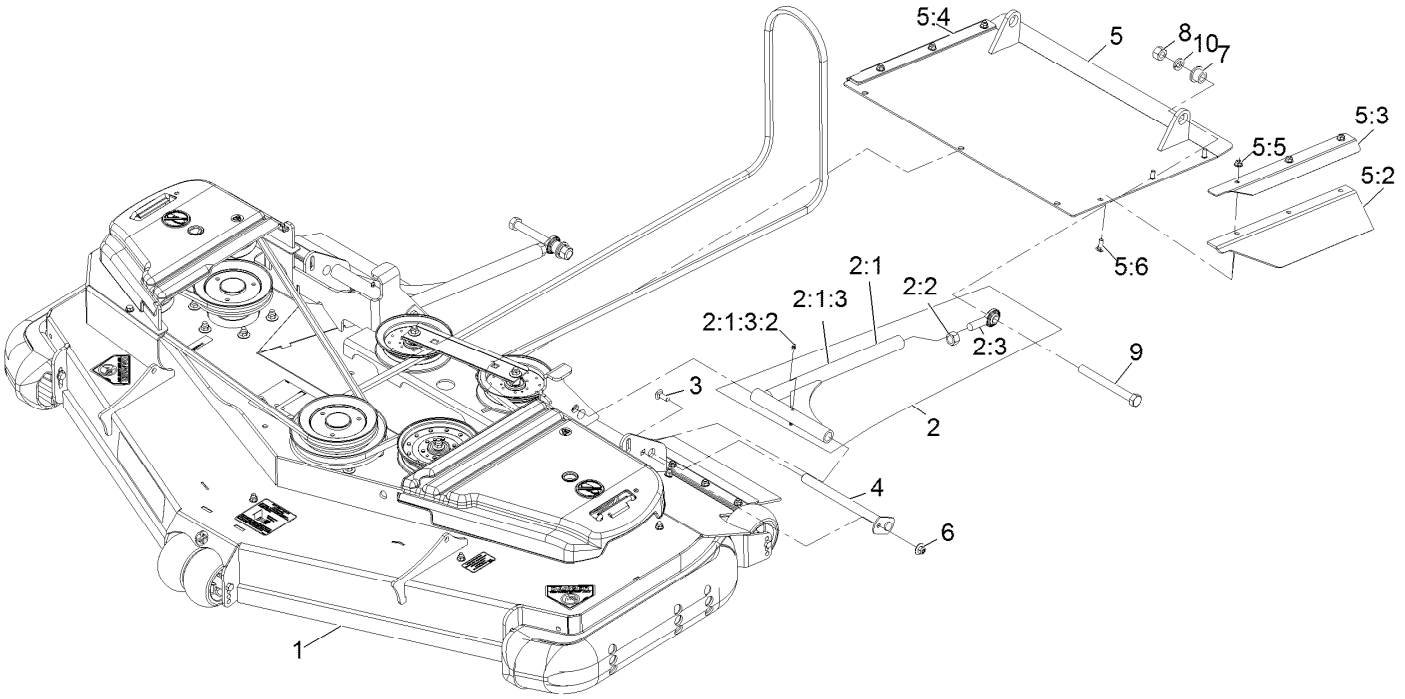
**Contact us at www.Exmark.com.**
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If your Exmark dealer does not have the Exmark part in stock, Exmark will get the parts to the dealer the next business day or the part will be FREE Guaranteed!! (Some restrictions apply. See your participating Exmark Dealer for details.)

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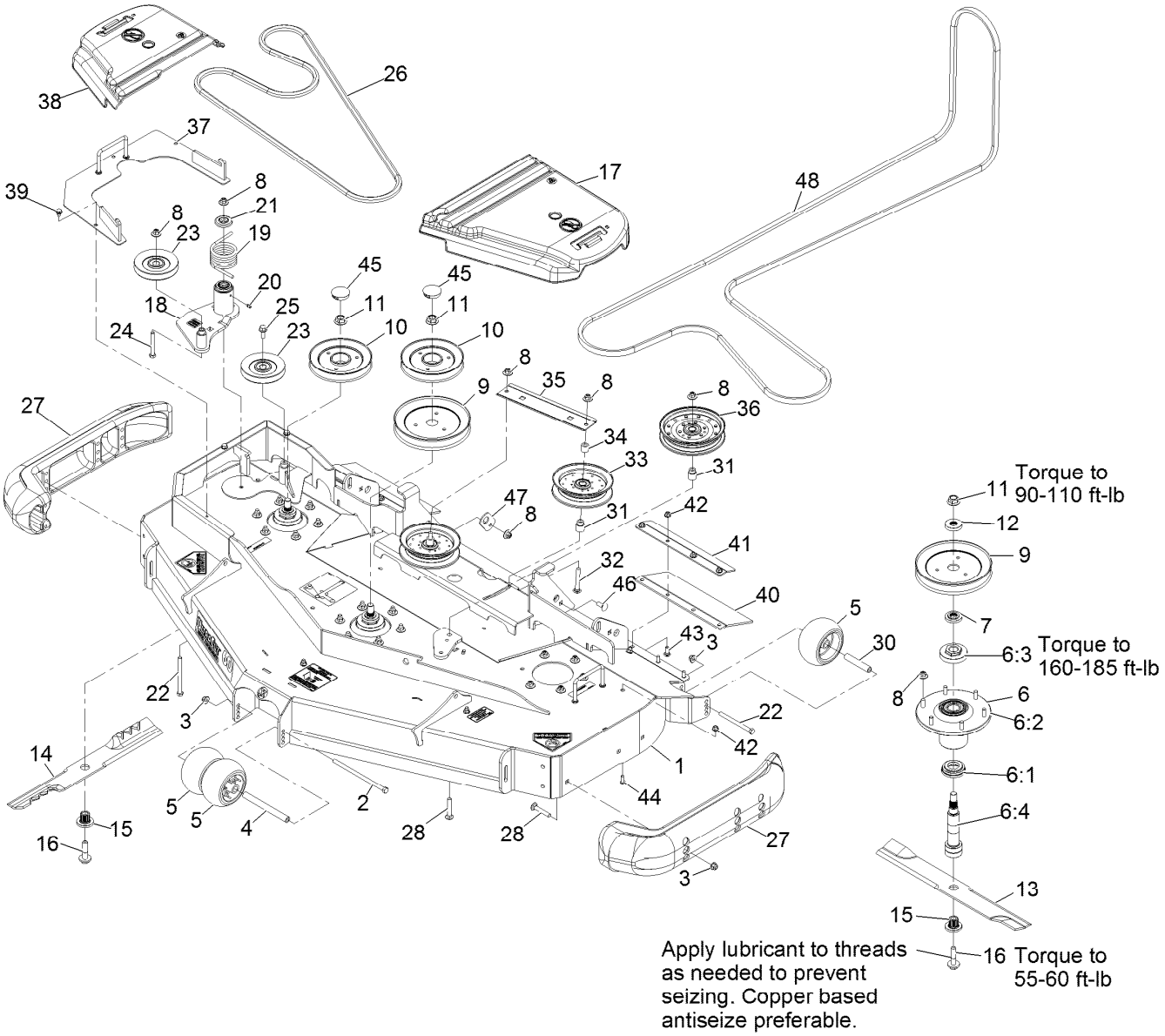



# Complete Deck Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 116-9146 | 1 | ASM-Deck Complete Rd60 |
| 2 | 103-8543 | 2 | Asm, Strut 60" |
| 2:1 | 109-1184 | 1 | Wld, Deck Strut-Std 60 |
| 2:1:3 | | 1 | Tube And Zerk ASM ● |
| 2:1:3:2 | 109-1380 | 2 | Fitting-Grease |
| 2:2 | 3219-6 | 1 | Nut-Hex 5/8-18 |
| 2:3 | 1-633029 | 1 | Balljoint |
| 3 | 3231-2 | 2 | Bolt-Carriage 3/8-16 X 1 |
| 4 | 1-632199-01 | 2 | Pin-Strut |
| 5 | 116-8488 | 1 | ASM-Discharge Tunnel Rd60 |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 5:2 | 116-8484 | 2 | Flap-Rd Tunnel Side |
| 5:3 | 116-8485-03 | 1 | Brkt-Rd Tunnel Flap LH |
| 5:4 | 116-8490-03 | 1 | Brkt-Rd Tunnel Flap RH |
| 5:5 | 104-8300 | 6 | Nut-Nyloc 5/16-18 Flg |
| 5:6 | 3230-16 | 6 | Bolt-Carriage 5/16-18 X 7/8 |
| 6 | 109-6658 | 2 | Nut-Nyloc 3/8-16 Flg |
| 7 | 92-9252 | 2 | Bushing-Flange |
| 8 | 3217-11 | 2 | Nut-Hex 5/8-11 |
| 9 | 1-800344 | 2 | Screw-HH 5/8-11 X 6 |
| 10 | 3253-8 | 2 | Washer-Lock 5/8 |

● Not serviced separately

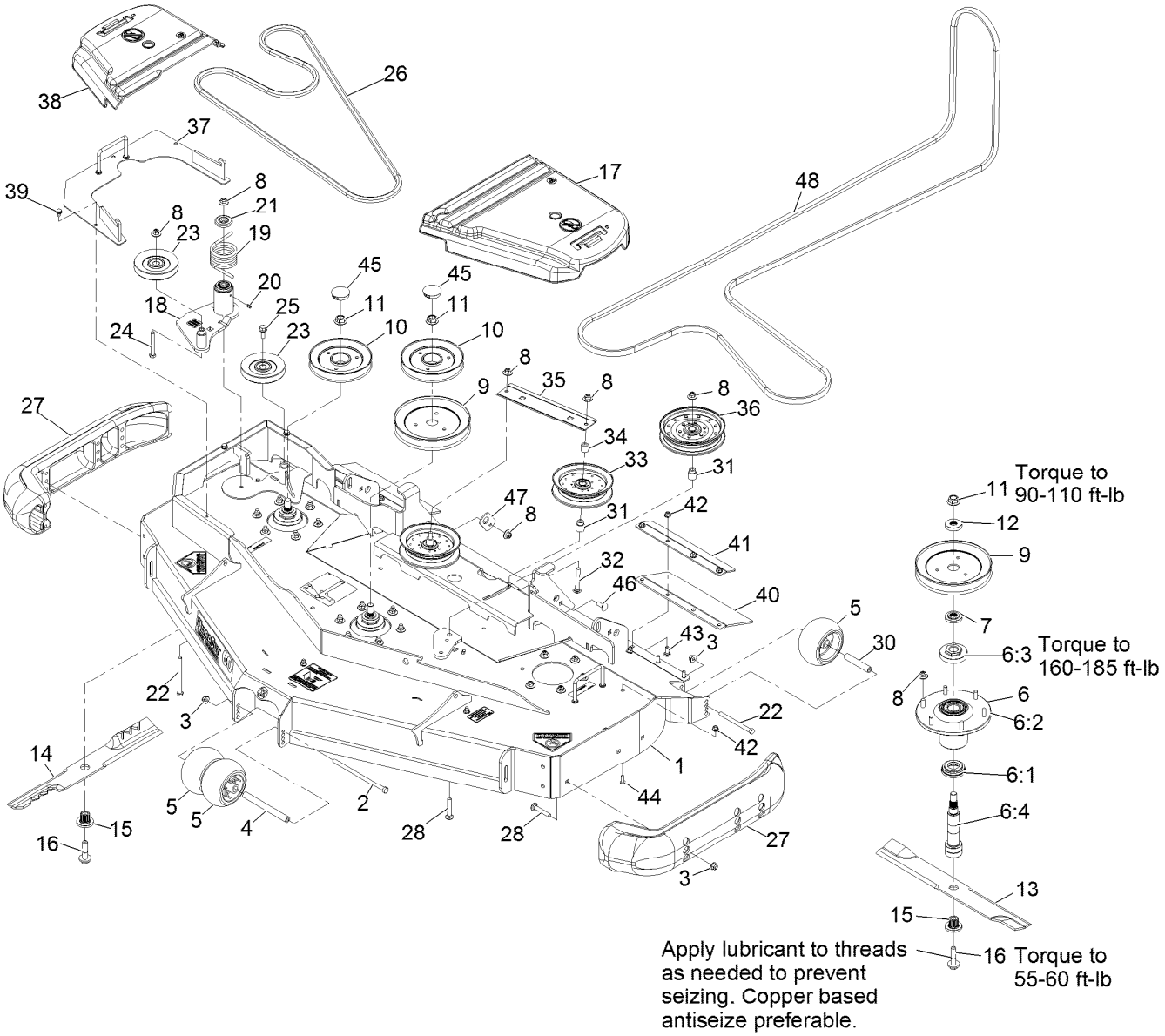



# Deck Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 116-7978 | 1 | Deck-Rd60, W/Decals |
| 2 | 108-5388 | 1 | Screw-HH |
| 3 | 104-8301 | 3 | Nut-Nyloc 3/8-16 Flg |
| 4 | 98-5967 | 1 | Spacer-Wheel |
| 5 | 1-603299 | 4 | Roller-Scalp, Anti |
| 6 | 109-6917 | 3 | ASM,Spindle Housing |
| 6:1 | 103-9504 | 1 | Guard, Bottom |
| 6:2 | 103-9539 | 1 | Asm, Cutter Housing |
| 6:3 | 109-0916 | 1 | Nut, Spindle 7/8-14 |
| 6:4 | 109-6881 | 1 | Spindle,Double Spline ● |
| 7 | 103-9522 | 3 | Spacer, Splined Stepped |
| 8 | 109-6658 | 25 | Nut-Nyloc 3/8-16 Flg |
| 9 | 109-9511 | 2 | Sheave,Blade Drive 7.25 |
| 10 | 116-8193 | 2 | Sheave-Rd, Reverse Drive |
| 11 | 109-7033 | 3 | Nut-Flange 5/8-18 Centerlock |
| 12 | 103-9523 | 1 | Spacer, Splined |
| 13 | 103-6388 | 2 | Blade, Low Lift |
| 13 | 116-5174 | 2 | Blade-Extreme 2, 20.50" |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 13 | 103-6403 | 2 | Blade, Notched |
| 14 | 116-8181 | 1 | Blade-Extreme 2-20.50, Rd60 |
| 14 | 116-8196 | 1 | Blade-Low Lift 20.5, Rd60 |
| 15 | 103-3037 | 3 | Bushing, Splined |
| 16 | 109-9220 | 3 | Screw-Sems 1/2-20 X 2.19 |
| 17 | 109-6938 | 1 | Cover-Belt, LH |
| 18 | 126-0853 | 1 | Idler ASM |
| 19 | 108-1921 | 1 | Spring-Torsion |
| 20 | 302-19 | 1 | Zerk-1/4-28 Str |
| 21 | 103-2916 | 1 | Guard-Top |
| 22 | 323-23 | 3 | Screw-HH 3/8-16 X 4-1/2 |
| 23 | 126-1478 | 2 | Sheave |
| 24 | 323-13 | 1 | Screw-HH 3/8-16 X 2 3/4 |
| 25 | 3234-11 | 1 | Screw-HH Flg 3/8-16 X 1 |
| 26 | 116-8187 | 1 | Belt |
| 27 | 112-1479 | 2 | Skid-Bumper, Deck |
| 28 | 3231-7 | 1 | Bolt-Carriage 3/8-16 X 2 1/4 |
| 30 | 98-7912 | 2 | Tube-Spanner |

● Apply Mobil HTS grease (P/N 103-5217 1.5 oz packet) (or a food-grade anti-seize). See operator s manual for locations.

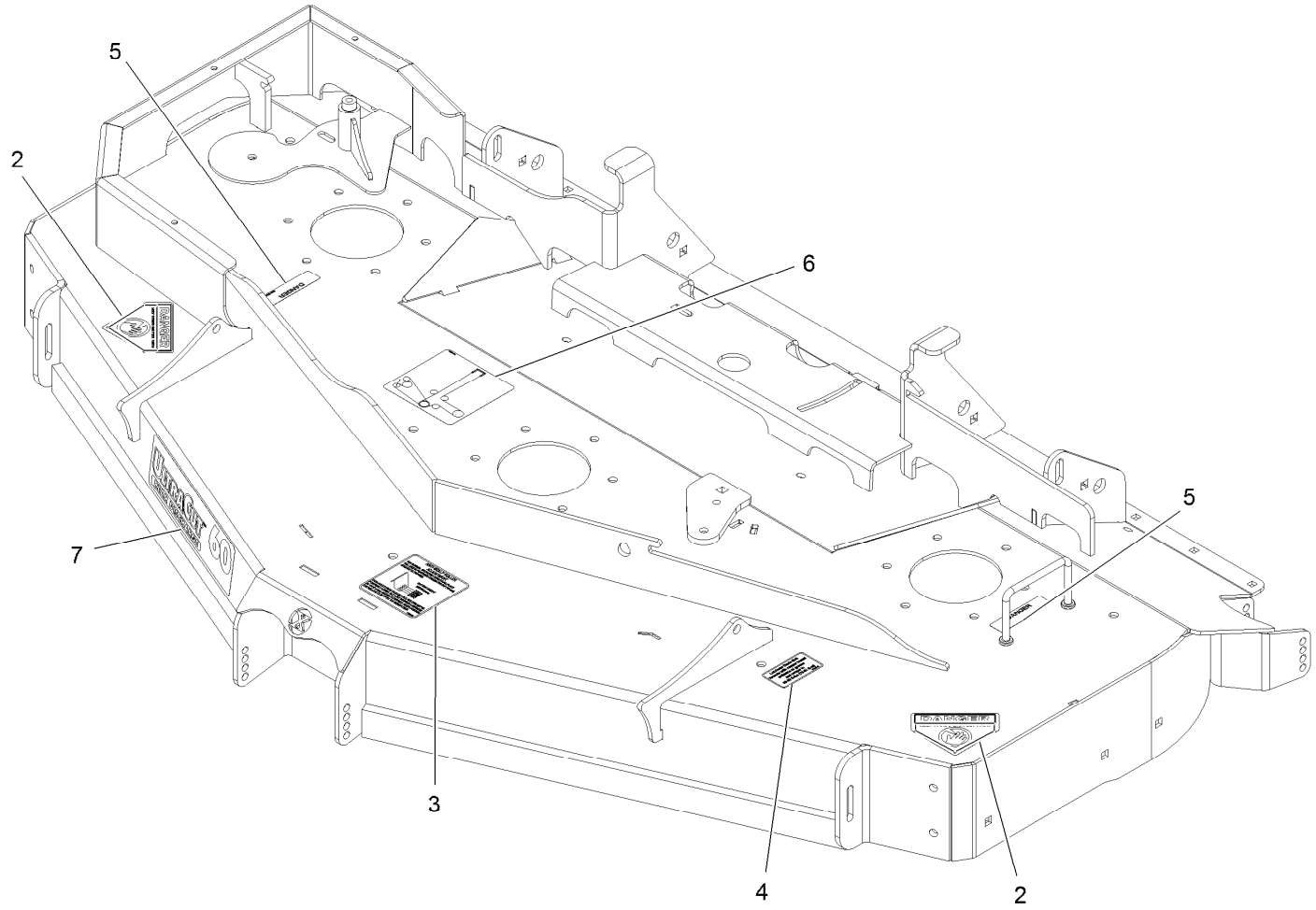



# Deck Assembly (continued)

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 31 | 1-633456 | 3 | Bushing, Idler |
| 32 | 3231-9 | 2 | Bolt-Carriage 3/8-16 X 2 3/4 |
| 33 | 116-4668 | 2 | Idler-Pulley, Flanged |
| 34 | 121-1760 | 2 | Spacer |
| 35 | 116-8964-01 | 1 | Guide-Rd Belt |
| 36 | 116-4670 | 1 | Pulley-Idler, Flat |
| 37 | 116-8195-01 | 1 | Cover-Drive Reverse |
| 38 | 116-8190 | 1 | Cover-Belt, RH |
| 39 | 9266934 | 3 | Screw-HWH 5/16 X 1/2 Tf |
| 40 | 116-8191 | 2 | Guard-Tire |

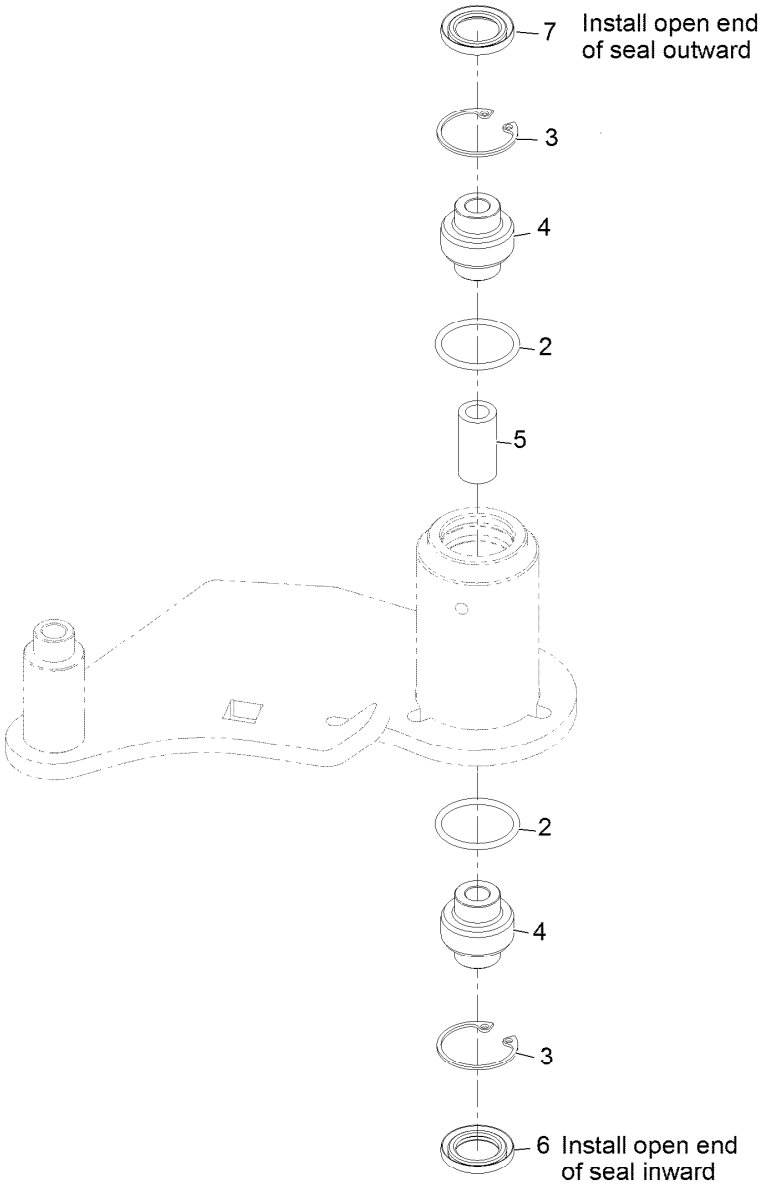
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 41 | 126-0413-01 | 2 | Support-Outer Flap |
| 42 | 104-8300 | 14 | Nut-Nyloc 5/16-18 Flg |
| 43 | 3230-16 | 8 | Bolt-Carriage 5/16-18 X 7/8 |
| 44 | 3274-55 | 6 | Screw-Button Head 5/16-18 X 3/4 |
| 45 | 116-2253 | 2 | Plug,Black Nylon 1.75 |
| 46 | 3231-2 | 2 | Bolt-Carriage 3/8-16 X 1 |
| 47 | 1-633031-01 | 2 | Plate,Deck Strut |
| 48 | 116-9202 | 1 | Belt-V |

● Apply Mobil HTS grease (P/N 103-5217 1.5 oz packet) (or a food-grade anti-seize). See operator s manual for locations.



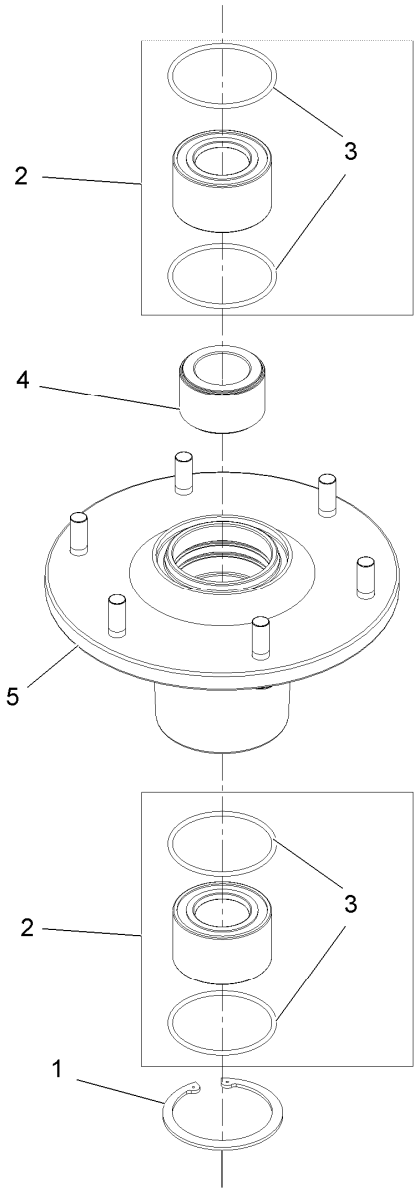

# Deck W/Decals Assembly No. 116-7978

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 2 | 1-403005 | 2 | Decal-Danger |
| 3 | 1-633922 | 1 | Decal, Anti-Scalp |
| 4 | 109-3148 | 1 | Decal, Bolt Torque |
| 5 | 98-5954 | 2 | Decal-Missing Cover |
| 6 | 116-8598 | 1 | Decal,Belt Routing Rd Decks |
| 7 | 116-8599 | 1 | Decal,Rear Discharge 60 |



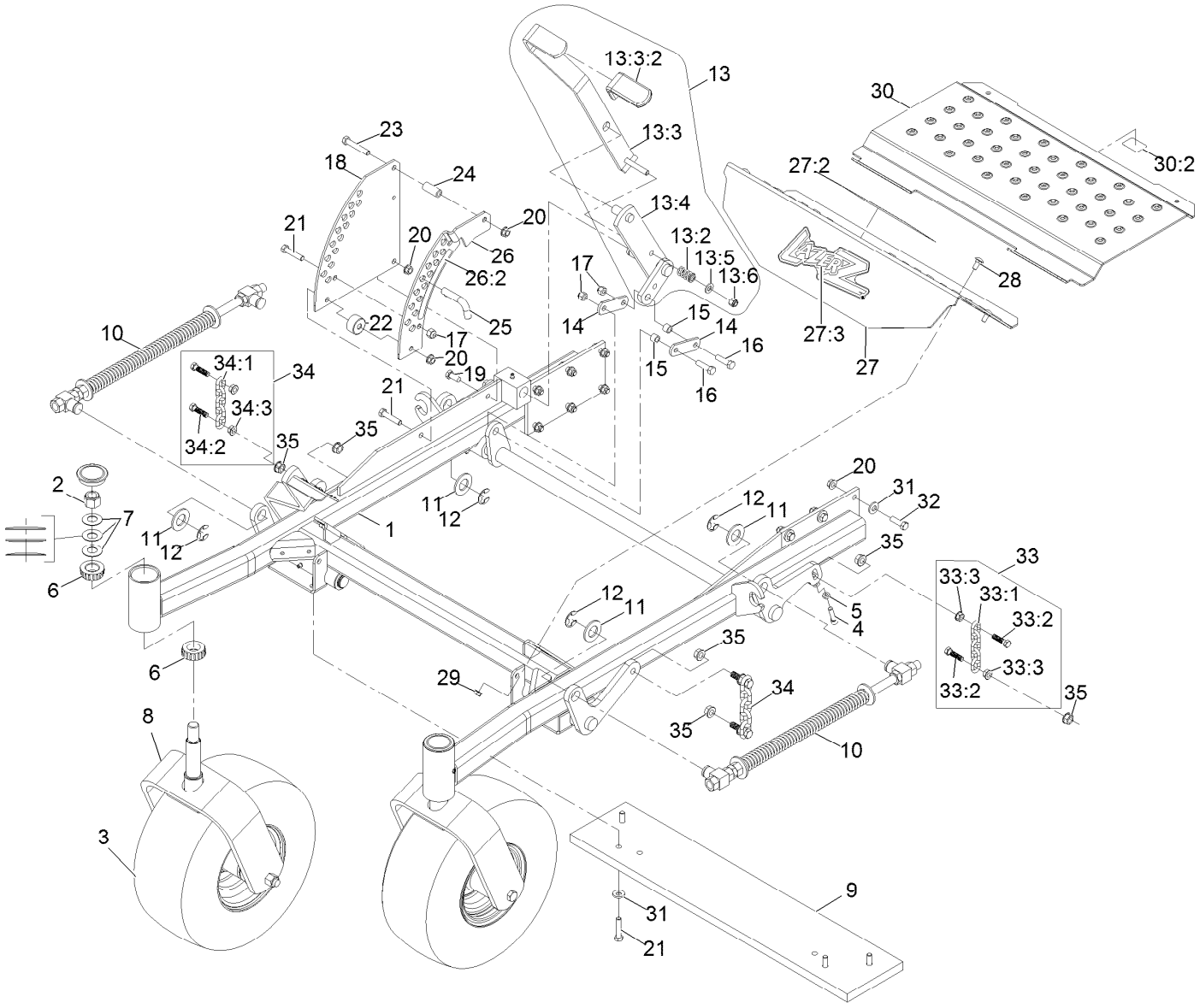

# Idler Assembly No. 126-0853

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 2 | 106-7159 | 2 | O-Ring |
| 3 | 32120-10 | 2 | Ring-Retaining |
| 4 | 103-3504 | 2 | Bearing-Spherical |
| 5 | 108-6544 | 1 | Spacer |
| 6 | 103-3505 | 1 | Seal-Double Lip |
| 7 | 103-3506 | 1 | Seal-Single Lip |




# Cutter Housing Assembly No. 103-9539

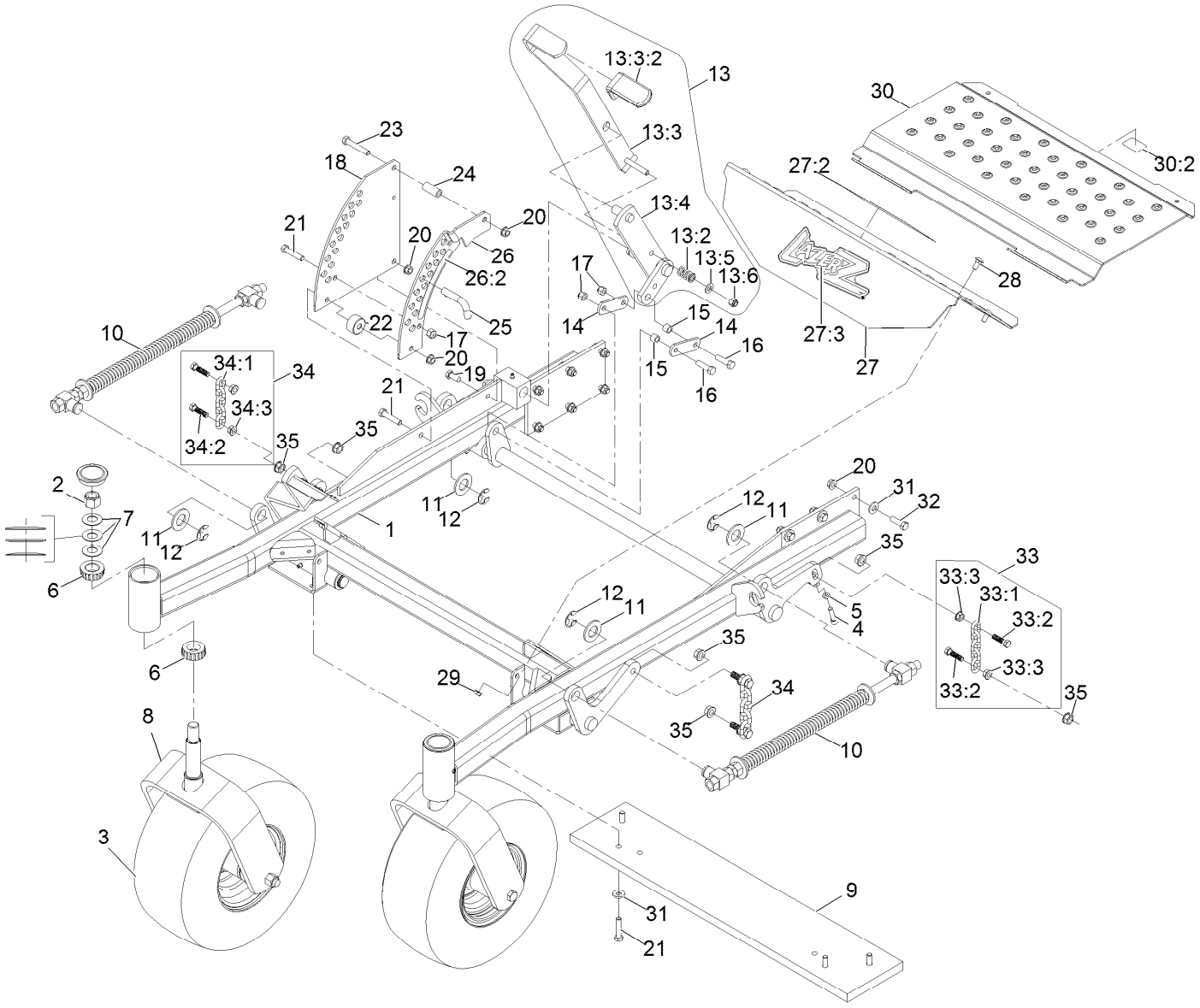
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 92-5581 | 1 | Ring-Retaining |
| 2 | 109-2064 | 1 | Asm, Bearing W/O-Rings |
| 3 | 103-5895 | 4 | O-Ring |
| 4 | 103-9506 | 1 | Spacer, Bearing |
| 5 | 109-0764 | 1 | Asm, Housing W/Studs |




# Front Frame Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 116-9409 | 1 | ASM-Frt Frm 60Rd |
| 2 | 3296-51 | 2 | Nut-Nyloc 3/4-10 |
| 3 | 116-8644 | 2 | ASM-Whl And Tire |
| 4 | 3274-18 | 2 | Screw-Sh 5/16-18 X 1 1/4 |
| 5 | 3218-2 | 2 | Nut-Jam 5/16-18 |
| 6 | 1-543509 | 4 | Cone-Bearing Tapered Roller |
| 7 | 1-633508 | 6 | Washer-Spring Disc |
| 8 | 116-8400-01 | 2 | Wld-Caster Fork 15 |
| 9 | 103-2099-01 | 1 | Weight Bar (60") |
| 10 | 1-634439 | 2 | Front Frame Spring ASM |
| 11 | 3256-29 | 4 | Washer-7/8 Sae |
| 12 | 32151-103 | 5 | E-Ring |
| 13 | 109-4488 | 1 | ASM,Deck Lift Handle |
| 13:2 | 1-633325 | 1 | Spring-Compression |
| 13:3 | 103-2084 | 1 | Lift Lever/Grip ASM |
| 13:3:2 | 1-633295 | 1 | Grip-Lever, Lift |
| 13:4 | 109-4487 | 1 | Wld,Arm Deck Lift |
| 13:5 | 3256-24 | 1 | Washer-3/8 Sae |
| 13:6 | 3296-39 | 1 | Nut-Nyloc 3/8-16 |
| 14 | 1-633068 | 2 | Arm-Lift, Deck |

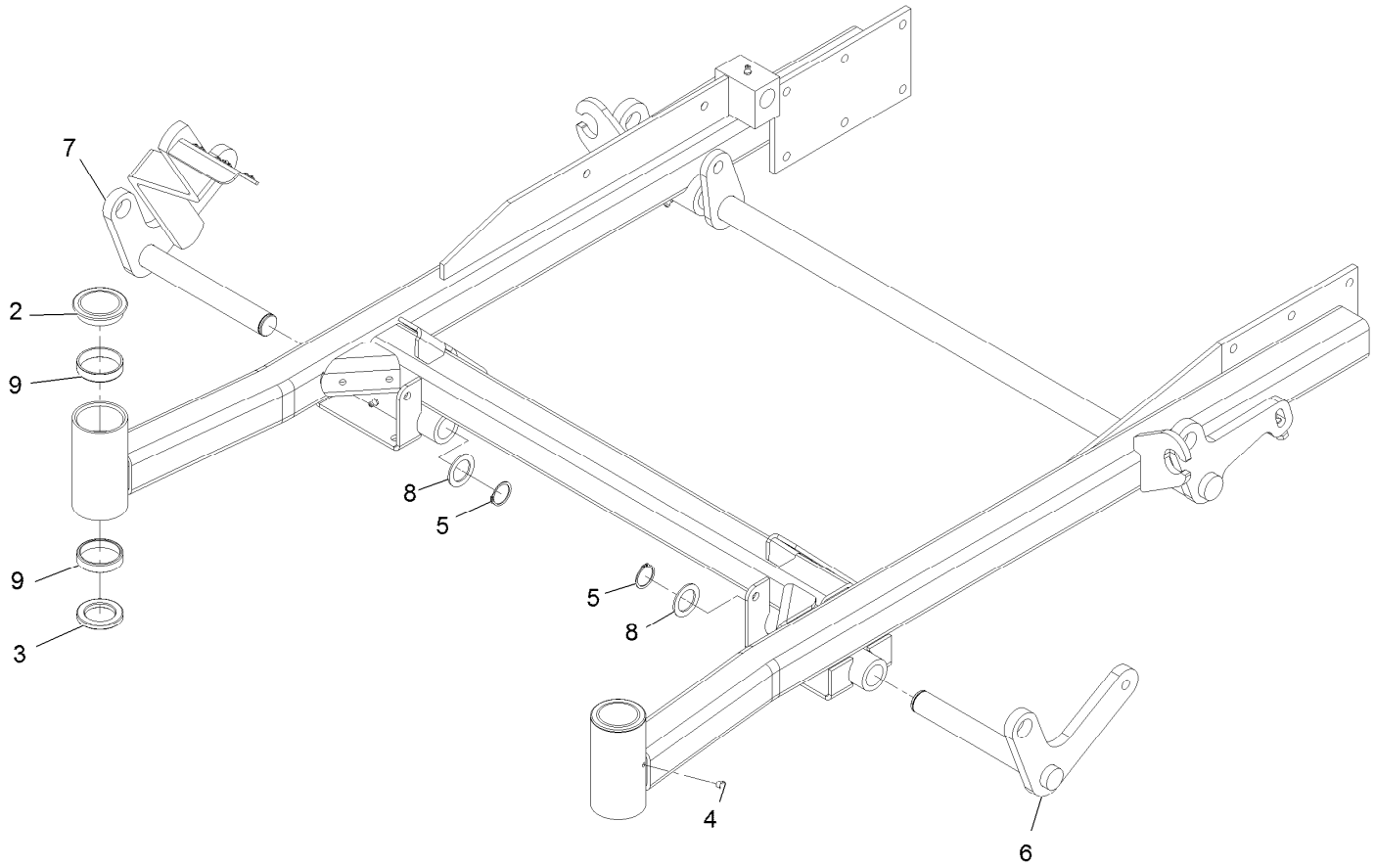
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 15 | 103-1918 | 2 | Bushing |
| 16 | 323-29 | 2 | Screw-HH 3/8-16 X 1 3/8 |
| 17 | 3296-39 | 3 | Nut-Nyloc 3/8-16 |
| 18 | 116-9122-01 | 1 | Plate-Deck Lift Notched Outer |
| 19 | 323-5 | 1 | Screw-HH 3/8-16 X 7/8 |
| 20 | 3290-357 | 19 | Nut-Whizlock 3/8-16 |
| 21 | 323-9 | 6 | Screw-HH 3/8-16 X 1 3/4 |
| 22 | 109-3193 | 1 | Stop, Deck Height |
| 23 | 323-11 | 1 | Screw-HH 3/8-16 X 2 1/4 |
| 24 | 1-633082 | 1 | Bushing |
| 25 | 116-5584 | 1 | Pin-HOC |
| 26 | 116-9124 | 1 | Plate-Lift, Deck W/Decal |
| 26:2 | 1-633706 | 1 | Decal-Height, Deck |
| 27 | 109-1903 | 1 | Asm, Floorpan (103-8274-01) W/Decals |
| 27:2 | 103-3113 | 1 | Decal, Lazer Model |
| 27:3 | 116-3303 | 1 | Decal-Slope |
| 28 | 3230-1 | 4 | Bolt-Carriage 5/16-18 X 3/4 |
| 29 | 32128-20 | 4 | Nut-Whizlock 5/16-18 |




# Front Frame Assembly (continued)

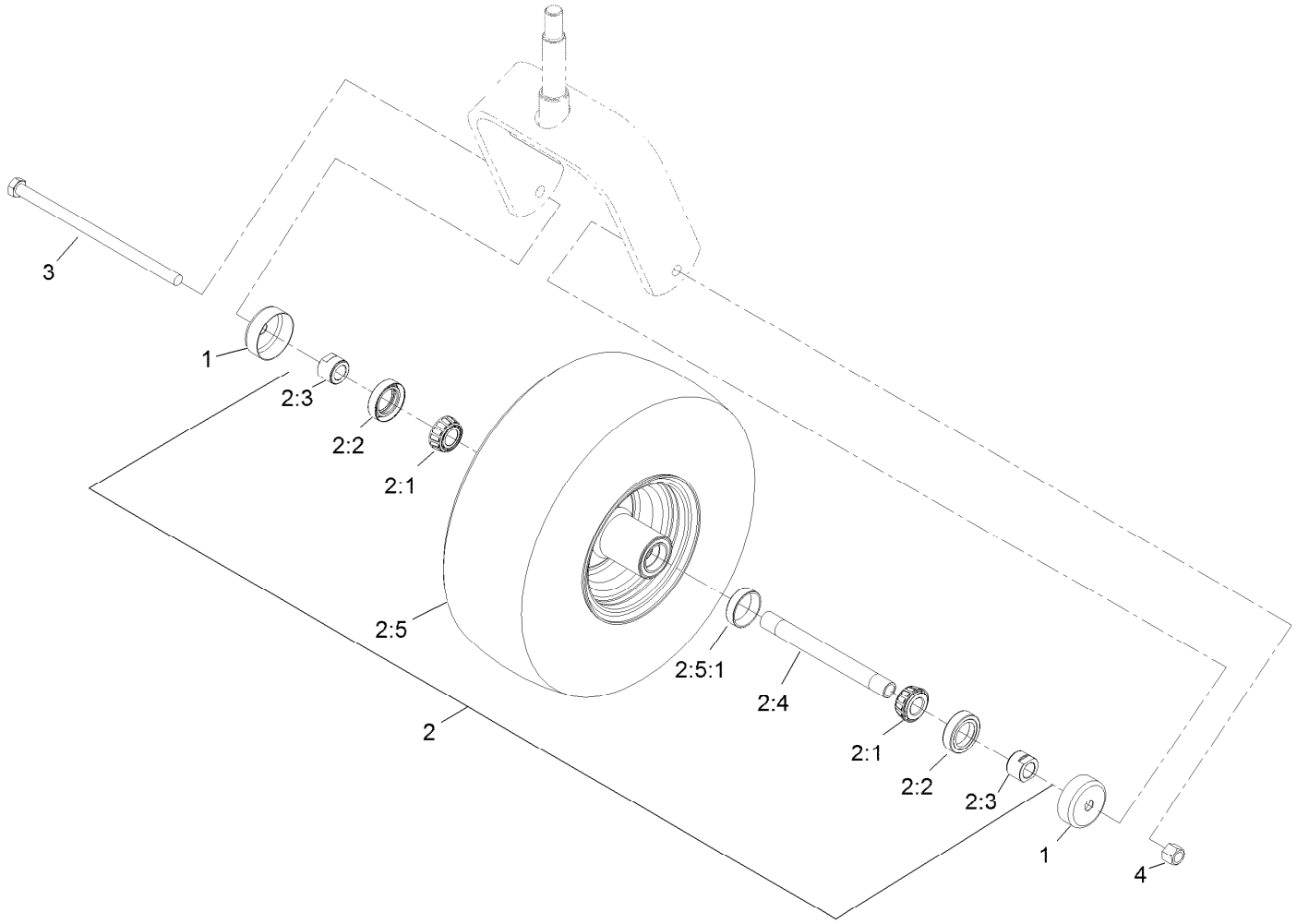
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 30 | 109-1902 | 1 | Asm, Floorpan, Liftout (103-8276-01) W/Decal |
| 30:2 | 1-513748 | 1 | Decal-Guard |
| 31 | 98-5975 | 16 | Washer-Spring Disc 3/8 |
| 32 | 323-7 | 12 | Screw-HH 3/8-16 X 1 1/4 |
| 33 | 103-9792 | 2 | Deck Chain ASM |
| 33:1 | 1-633447 | 1 | Chain-Lift, Deck |
| 33:2 | 103-1898 | 2 | Screw-HH 7/16-20 X 1-5/8 Sp |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 33:3 | 32128-37 | 2 | Nut-Whizlock 7/16-14 |
| 34 | 103-9817 | 2 | Deck Chain ASM |
| 34:1 | 1-633447 | 1 | Chain-Lift, Deck |
| 34:2 | 103-1898 | 2 | Screw-HH 7/16-20 X 1-5/8 Sp |
| 34:3 | 32128-37 | 2 | Nut-Whizlock 7/16-14 |
| 35 | 32128-37 | 8 | Nut-Whizlock 7/16-14 |




# Front Frame Assembly No. 116-9409

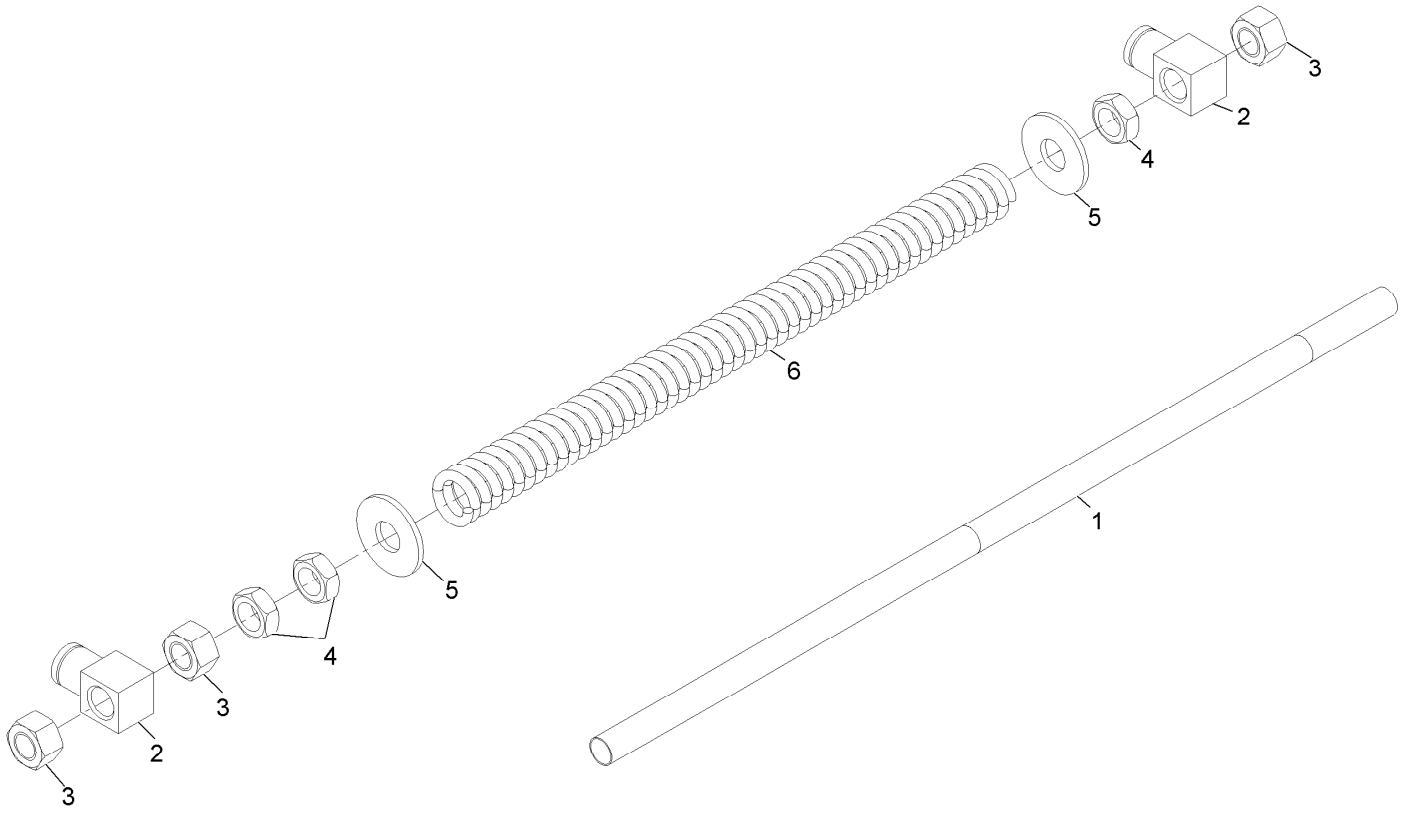
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 2 | 103-4882 | 2 | Cap-Grease |
| 3 | 116-5647 | 2 | Seal-Grease |
| 4 | 1-811010 | 2 | Plug |
| 5 | 32151-29 | 2 | Ring-Retaining |
| 6 | 103-9741-01 | 1 | Weldmt, Front Lift Shaft (LH) |
| 7 | 103-9740-01 | 1 | Weldmt, Front Lift W/Lever(RH) |
| 8 | 1-523157 | 2 | Washer |
| 9 | 1-543508 | 4 | Cup-Bearing Tapered Roller |




# Wheel and Tire Assembly No. 116-8644

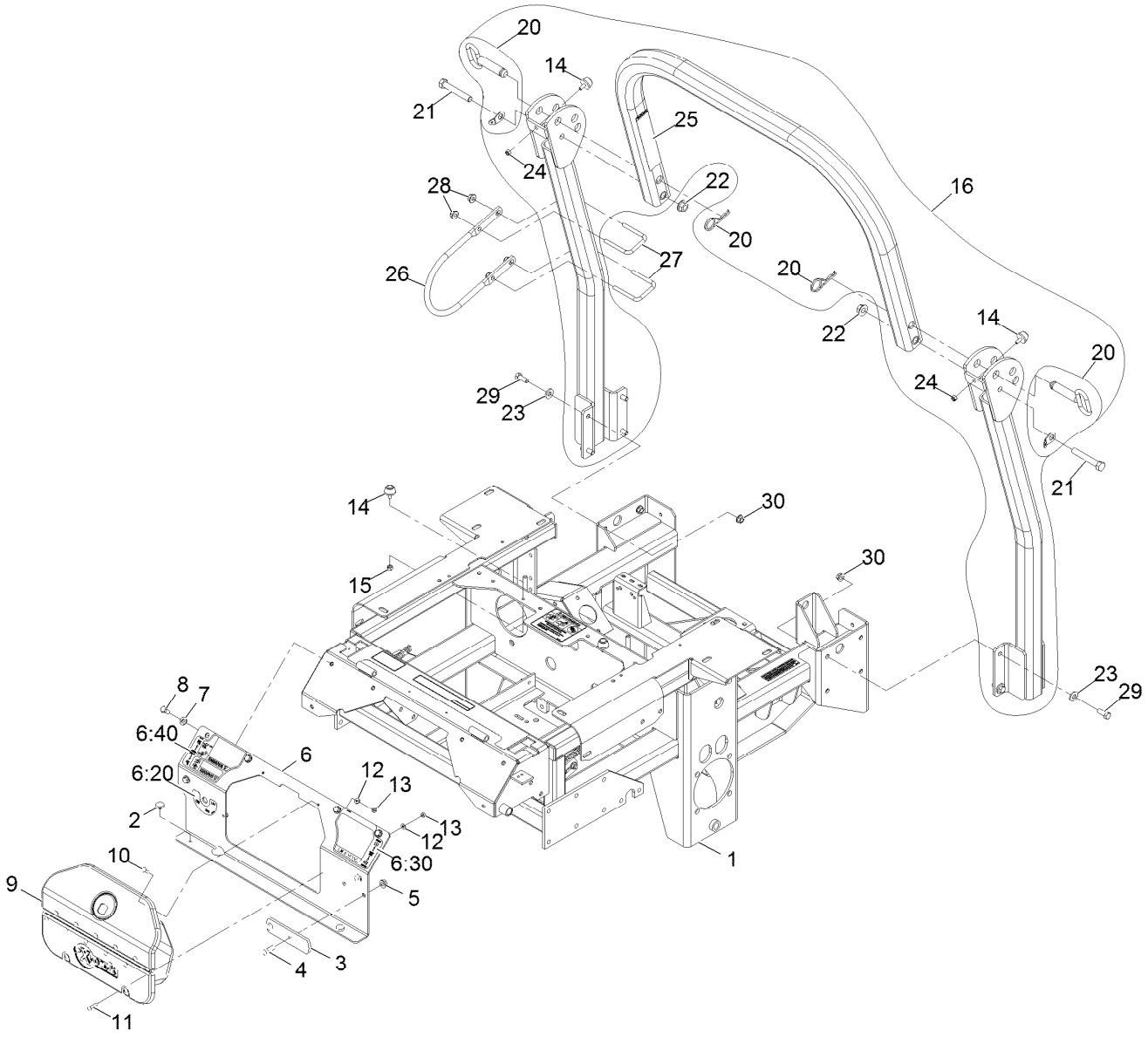
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 103-2768 | 2 | Guard-Seal |
| 2 | | 1 | ASM-Whl And Tire ● |
| 2:1 | 1-633585 | 2 | Bearing-Cone Tapered Roller |
| 2:2 | 103-0063 | 2 | Seal-Double Lip |
| 2:3 | 103-3051 | 2 | Spacer-Nut ■ |
| 2:4 | 103-5156 | 1 | Axle-Caster |
| 2:5 | | 1 | ASM-Wheel Tire 15X6.0-6 ● |
| 2:5:1 | 1-633584 | 1 | Bearing-Cup |
| 3 | 325-39 | 1 | Screw-HH 1/2-13 X 9 1/2 |
| 4 | 3296-23 | 1 | Nut-Nyloc 1/2-13 |

● Not serviced separately
■ Use Pro-Lock, Nut Type (P/N 1-840022, .5ml tube) on threads.




# Front Frame Spring Assembly No. 1-634439

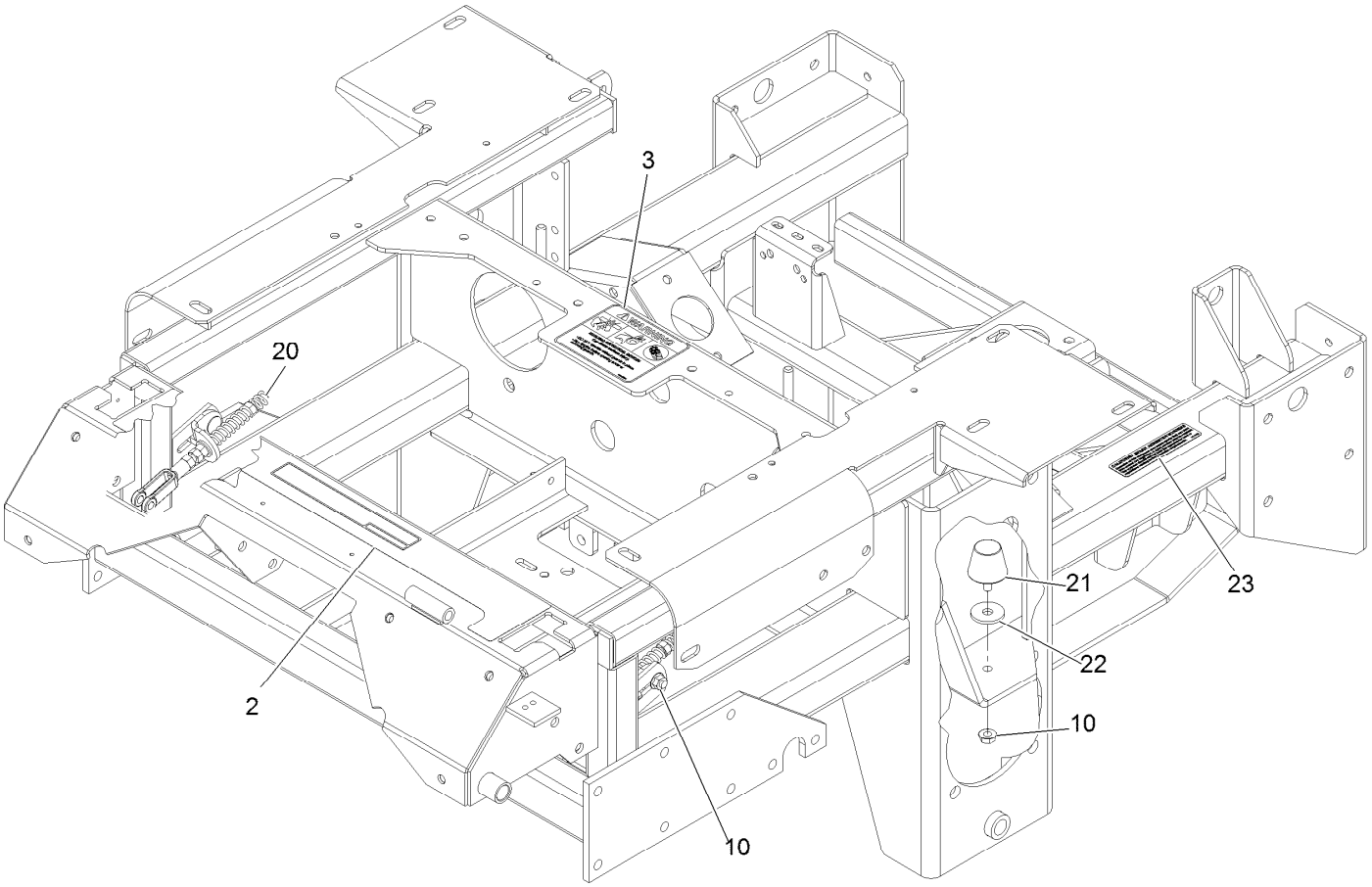
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 1-633096 | 1 | Rod-Lift, Deck |
| 2 | 1-633441 | 2 | Swivel-Deck Mount, Rear |
| 3 | 3217-11 | 4 | Nut-Hex 5/8-11 |
| 4 | 3218-6 | 2 | Nut-Jam 5/8-11 |
| 5 | 3256-7 | 2 | Washer-5/8 Std |
| 6 | 1-633064 | 1 | Spring-Support, Deck |




# Main Frame Assembly

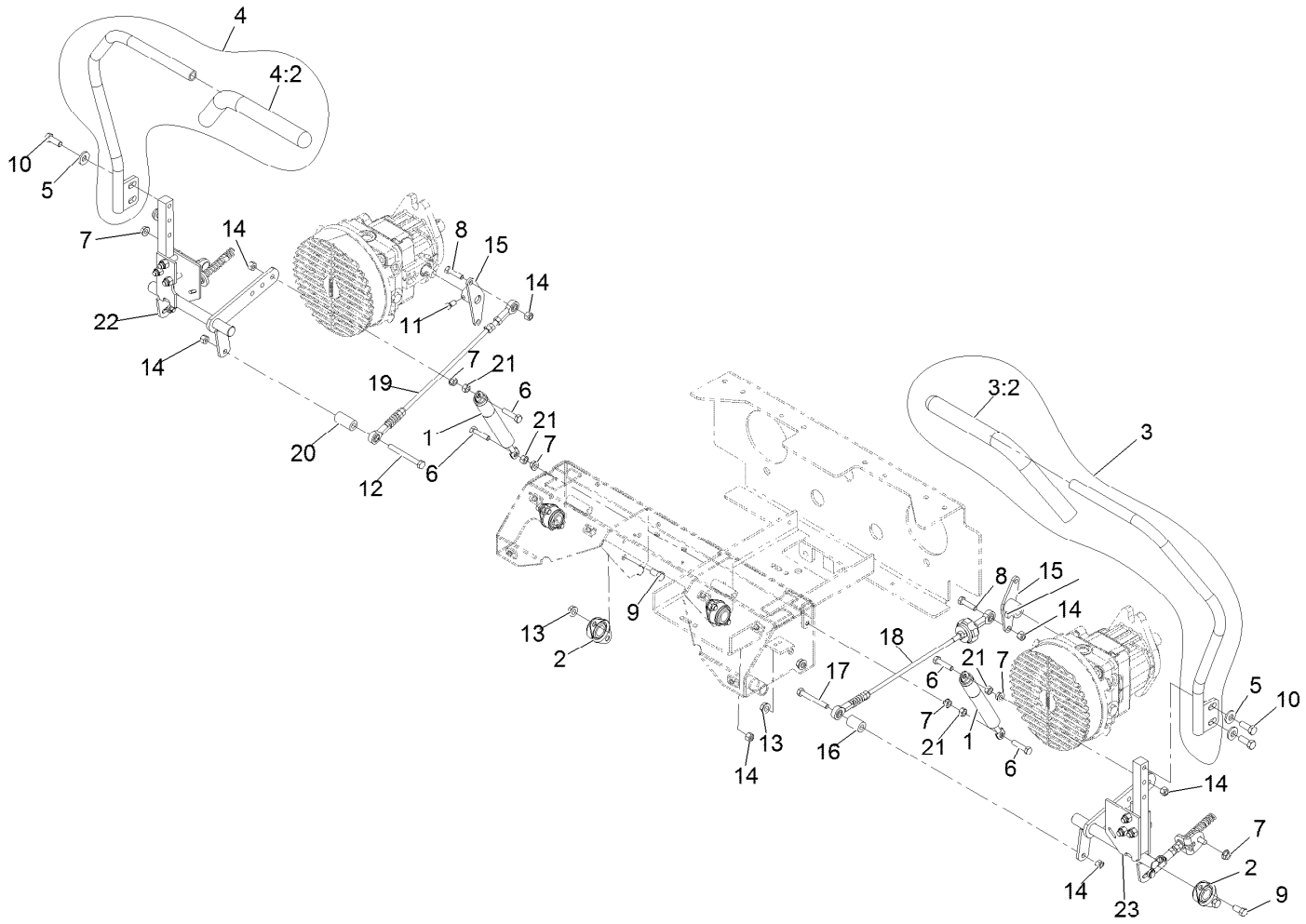
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 109-3984 | 1 | Asm-Engine Deck W/Decals |
| 2 | 1-513658 | 2 | Bumper |
| 3 | 1-633964-03 | 1 | Stop-Brake, Park |
| 4 | 323-6 | 2 | Screw-HH 3/8-16 X 1 |
| 5 | 3290-357 | 2 | Nut-Whizlock 3/8-16 |
| 6 | 109-2075 | 1 | Asm, Console(103-8273-03) W/Decals |
| 6:20 | 109-1215 | 1 | Decal, Cutting Height |
| 6:30 | 109-1214 | 1 | Decal, Park Brake |
| 6:40 | 103-0261 | 1 | Decal-Valve, Fuel |
| 7 | 3256-23 | 6 | Washer-5/16 Sae |
| 8 | 322-3 | 6 | Screw-HH 5/16-18 X 3/4 |
| 9 | 103-3666 | 1 | Asm, Cubby |
| 10 | 1-803075 | 2 | Screw-Truss Head #10-24 X 3/4 |
| 11 | 32122-28 | 4 | Screw-Truss HD #10-24 X 1 |
| 12 | 3256-14 | 6 | Washer-#10 Std |
| 13 | 3296-2 | 6 | Nut-Nyloc #10-24 |
| 14 | 109-2365 | 4 | Bumper-Rubber |
| 15 | 3296-42 | 2 | Nut-Nyloc 1/4-20 |
| 16 | 109-0060 | 1 | Kit, Xp Rops ● |
| 20 | 103-4553 | 2 | Pin-Fold, ROPS |
| 21 | 325-13 | 2 | Screw-HH 1/2-13 X 3 1/4 |
| 22 | 32128-23 | 2 | Nut-Hex 1/2-13 Side Lock |
| 23 | 98-5975 | 8 | Washer-Spring Disc 3/8 |
| 24 | 3296-73 | 2 | Nut-Nyloc 1/4-20 |
| 25 | 107-2102 | 1 | Decal-Warning, Folding ROPS |
| 26 | 103-7599 | 1 | Guard |
| 27 | 109-2394 | 2 | U-Bolt |
| 28 | 104-8301 | 4 | Nut-Nyloc 3/8-16 Flg |
| 29 | 323-6 | 8 | Screw-HH 3/8-16 X 1 |
| 30 | 3290-357 | 8 | Nut-Whizlock 3/8-16 |

● Includes seat belt assembly




# Engine Deck W/Decals Assembly No. 109-3984

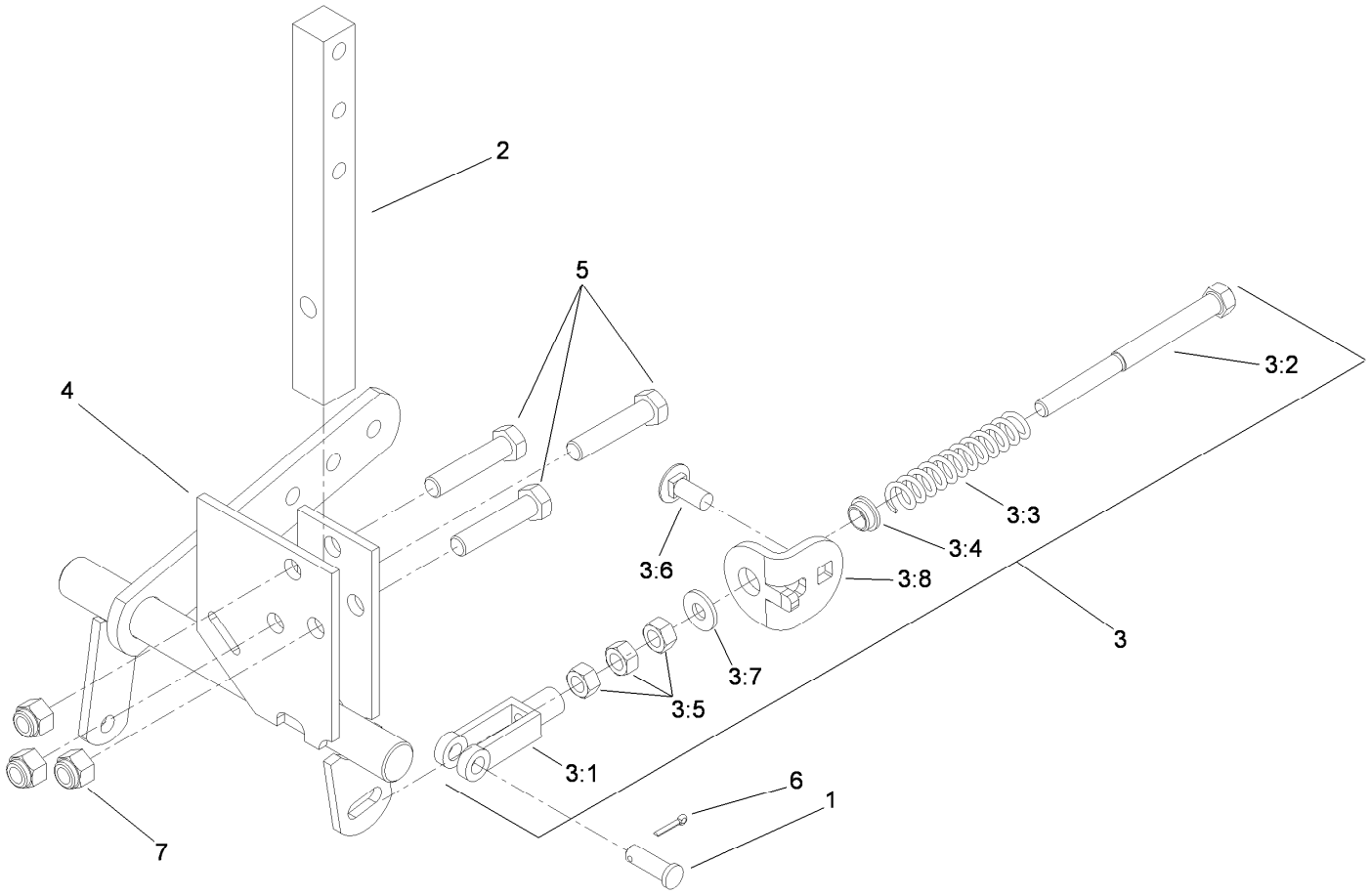
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 2 | 107-9866 | 1 | Decal-Console, Top |
| 3 | 109-2264 | 1 | Decal, Warning |
| 10 | 32128-20 | 3 | Nut-Whizlock 5/16-18 |
| 20 | 109-3903 | 2 | Neutral Return ASM |
| 21 | 1-543963 | 1 | Bumper-Rubber |
| 22 | 63-8410 | 1 | Washer |
| 23 | 117-2718 | 1 | Decal-Arrester, Spark |




# Motion Control Assembly

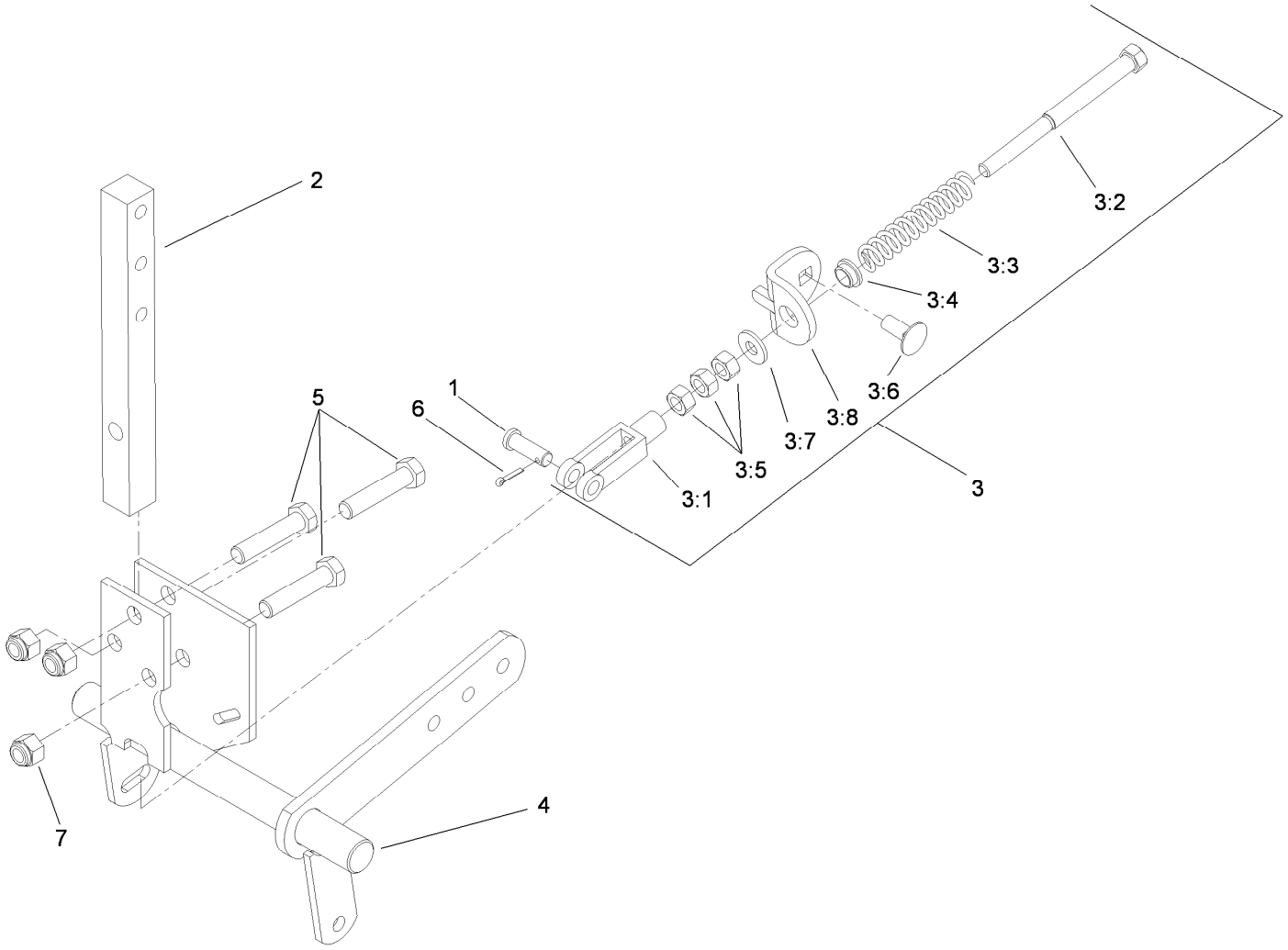
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 109-2339 | 2 | Damper-Control, Motion |
| 2 | 1-633102 | 4 | Bearing-Flanged |
| 3 | 103-3457 | 1 | Handle (103-3326-03) W/Grip (LH) |
| 3:2 | 103-3456 | 1 | Grip, Motion Control Handle |
| 4 | 103-3458 | 1 | Handle (103-3327-03) W/Grip (RH) |
| 4:2 | 103-3456 | 1 | Grip, Motion Control Handle |
| 5 | 98-5975 | 4 | Washer-Spring Disc 3/8 |
| 6 | 1-403180 | 4 | Screw-HH 5/16-18 X 1 3/8 Special |
| 7 | 32128-20 | 6 | Nut-Whizlock 5/16-18 |
| 8 | 322-6 | 2 | Screw-HH 5/16-18 X 1 1/4 |
| 9 | 323-4 | 8 | Screw-HH 3/8-16 X 3/4 |
| 10 | 323-6 | 4 | Screw-HH 3/8-16 X 1 |
| 11 | 1-803022 | 2 | Setscrew-5/16-18 X 5/8 ● |
| 12 | 322-14 | 1 | Screw-HH 5/16-18 X 3 |
| 13 | 3290-357 | 8 | Nut-Whizlock 3/8-16 |
| 14 | 3296-29 | 8 | Nut-Nyloc 5/16-18 |
| 15 | 103-0194-03 | 2 | Arm-Control, Hydro |
| 16 | 103-1361 | 1 | Spacer |
| 17 | 322-12 | 1 | Screw-HH 5/16-18 X 2 1/2 |
| 18 | 103-3062 | 1 | Tracking Rod ASM |
| 19 | 103-5190 | 1 | RH HYD Connect Link ASM |
| 20 | 103-5192 | 1 | Spacer-Control, HYD |
| 21 | 3217-6 | 4 | Nut-Hex 5/16-18 |
| 22 | 109-3978 | 1 | RH Motion Control ASM |
| 23 | 109-3979 | 1 | LH Motion Control ASM |

● Use Pro-Lock, Nut Type (P/N 1-840022, .5ml tube) on threads.



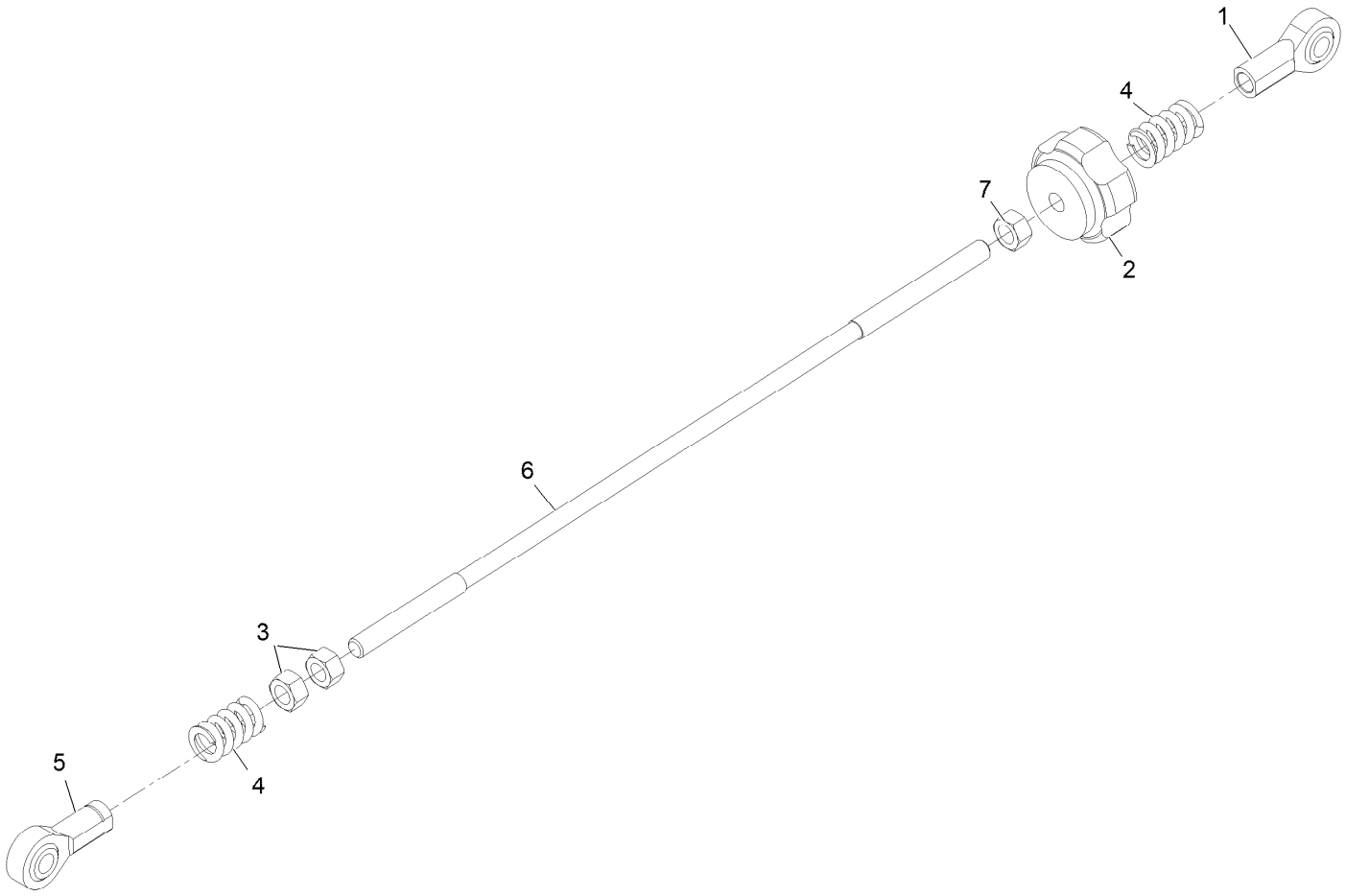

# LH Motion Control Assembly No. 109-3979

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 1-808280 | 1 | Pin-Clevis |
| 2 | 103-0407 | 1 | Arm-Shaft, Control |
| 3 | 109-3903 | 1 | Neutral Return ASM |
| 3:1 | 1-303105 | 1 | Yoke-Adjustable |
| 3:2 | 1-603737 | 1 | Bolt-Return, Neutral |
| 3:3 | 1-603807 | 1 | Spring-Return, Neutral |
| 3:4 | 109-3769 | 1 | Bushing-Nylon, Flanged |
| 3:5 | 3219-2 | 3 | Nut-Hex |
| 3:6 | 3230-23 | 1 | Screw-CARR |
| 3:7 | 3256-2 | 1 | Washer-Flat |
| 3:8 | 109-3908 | 1 | Tab-Adjustment |
| 4 | 109-3983 | 1 | Control-Motion, LH |
| 5 | 323-9 | 3 | Screw-HH |
| 6 | 3272-5 | 1 | Pin-Cotter |
| 7 | 3296-39 | 3 | Nut-Lock, NI |



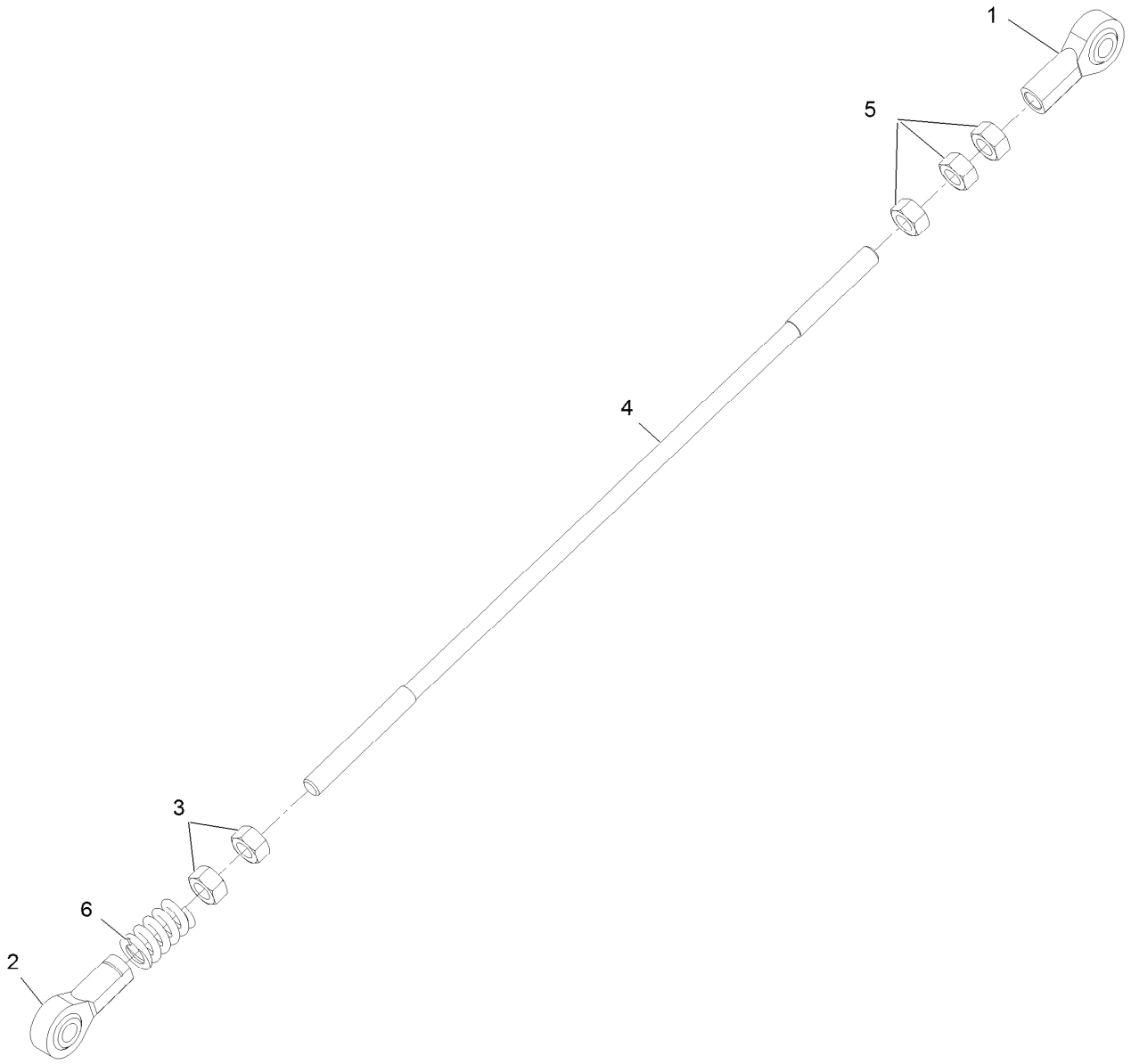

# RH Motion Control Assembly No. 109-3978

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 1-808280 | 1 | Pin-Clevis |
| 2 | 103-0407 | 1 | Arm-Shaft, Control |
| 3 | 109-3903 | 1 | Neutral Return ASM |
| 3:1 | 1-303105 | 1 | Yoke-Adjustable |
| 3:2 | 1-603737 | 1 | Bolt-Return, Neutral |
| 3:3 | 1-603807 | 1 | Spring-Return, Neutral |
| 3:4 | 109-3769 | 1 | Bushing-Nylon, Flanged |
| 3:5 | 3219-2 | 3 | Nut-Hex |
| 3:6 | 3230-23 | 1 | Screw-CARR |
| 3:7 | 3256-2 | 1 | Washer-Flat |
| 3:8 | 109-3908 | 1 | Tab-Adjustment |
| 4 | 109-3980 | 1 | Control-Motion, RH |
| 5 | 323-9 | 3 | Screw-HH |
| 6 | 3272-5 | 1 | Pin-Cotter |
| 7 | 3296-39 | 3 | Nut-Lock, NI |



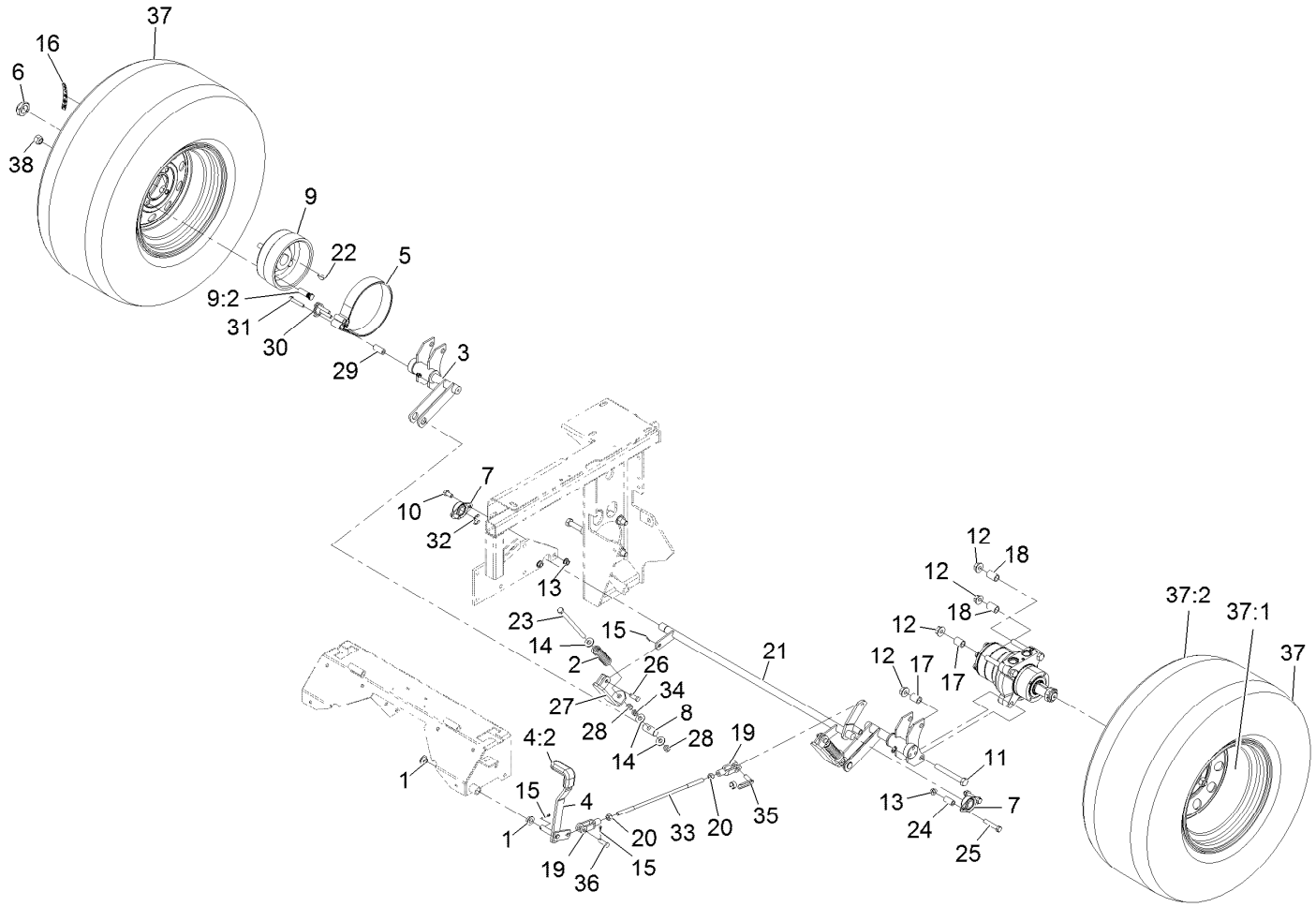

# Tracking Rod Assembly No. 103-3062

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 1-543017 | 1 | Balljoint |
| 2 | 103-3060 | 1 | Knob-Tracking |
| 3 | 1-804524 | 2 | Nut-Hex 5/16-24 (LH) |
| 4 | 1-323245 | 2 | Spring-Compression |
| 5 | 1-633152 | 1 | Balljoint |
| 6 | 103-3065 | 1 | Link, Hydro Connecting (LH) |
| 7 | 3219-2 | 1 | Nut-Hex 5/16-24 |




# RH Hydro Connecting Link Assembly No. 103-5190

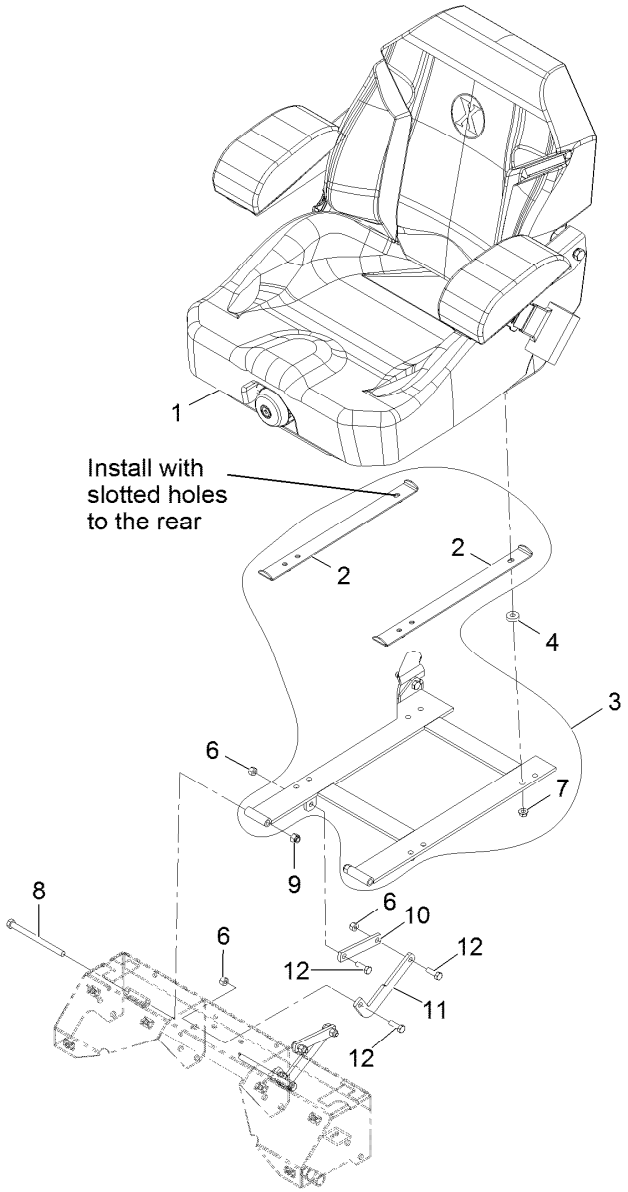
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 1-543017 | 1 | Balljoint |
| 2 | 1-633152 | 1 | Balljoint |
| 3 | 1-804524 | 2 | Nut-Hex 5/16-24 (LH) |
| 4 | 103-5182 | 1 | Link, Hydro Connecting (RH) |
| 5 | 3219-2 | 3 | Nut-Hex 5/16-24 |
| 6 | 1-323245 | 1 | Spring-Compression |




# Rear Wheel and Park Brake Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 1-513140 | 2 | Bearing |
| 2 | 109-2230 | 2 | Spring-Compression |
| 3 | 103-0844-03 | 2 | Brake-Narrow |
| 4 | 103-0197 | 1 | Brake Lever And Grip ASM |
| 4:2 | 1-633268 | 1 | Grip-Lever |
| 5 | 103-9761 | 2 | Band, Brake |
| 6 | 116-1399 | 2 | Locknut |
| 7 | 1-633102 | 2 | Bearing-Flanged |
| 8 | 1-633144 | 2 | Pin-Trunion |
| 9 | 116-2291 | 2 | Hub W/Studs ASM |
| 9:2 | 1-633926 | 4 | Stud-Wheel |
| 10 | 323-4 | 2 | Screw-HH 3/8-16 X 3/4 |
| 11 | 325-17 | 8 | Screw-HH 1/2-13 X 4 |
| 12 | 32128-49 | 8 | Nut-Whizlock 1/2-13 |
| 13 | 3290-357 | 4 | Nut-Whizlock 3/8-16 |
| 14 | 3256-4 | 6 | Washer-3/8 Std |
| 15 | 3272-10 | 4 | Pin-Cotter 1/8 X 3/4 |
| 16 | 126-2055 | 2 | Decal-Torque Wheel Lug-Hub |
| 17 | 1-633380 | 4 | Spacer-Wheel, Short |
| 18 | 1-633382 | 4 | Spacer-Wheel, Long |
| 19 | 1-633131 | 2 | Yoke-Linkage, Brake |

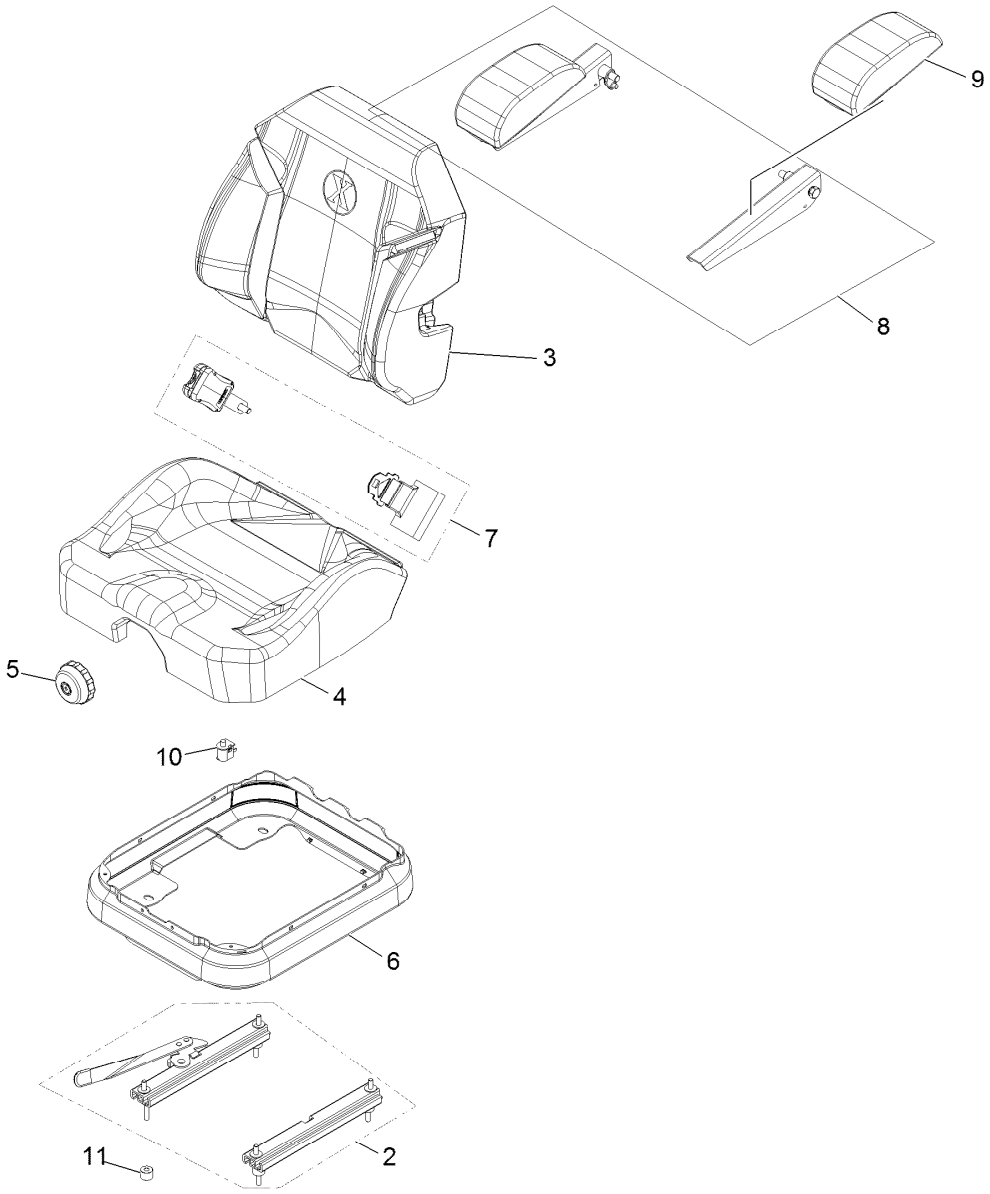
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 20 | 3219-3 | 2 | Nut-Hex 3/8-24 |
| 21 | 103-5243-03 | 1 | Shaft-Brake |
| 22 | 3257-42 | 2 | Key-Woodruff 5/16 X 1 |
| 23 | 323-58 | 2 | Bolt-HH 3/8-16 X 6 Tap |
| 24 | 103-0051 | 2 | Spacer-Retainer, Brake |
| 25 | 323-10 | 2 | Screw-HH 3/8-16 X 2 |
| 26 | 1-808284 | 2 | Pin-Clevis |
| 27 | 103-1117-03 | 2 | Linkage-Brake, Lower |
| 28 | 3296-39 | 4 | Nut-Nyloc 3/8-16 |
| 29 | 103-0384 | 6 | Spacer |
| 30 | 103-0374 | 2 | Retainer-Band, Brake |
| 31 | 322-9 | 6 | Screw-HH 5/16-18 X 1 3/4 |
| 32 | 32151-48 | 1 | E-Ring |
| 33 | 103-1708 | 1 | Rod-Brake |
| 34 | 3218-3 | 2 | Nut-Jam 3/8-16 |
| 35 | 103-2399 | 1 | Pin-Clevis Spring 3/8 |
| 36 | 1-808285 | 1 | Pin-Clevis 3/8 X 1 1/8 |
| 37 | 109-3157 | 2 | Wheel And Tire ASM |
| 37:1 | 109-3156 | 1 | Rim |
| 37:2 | 103-4963 | 1 | Tire |
| 38 | 242-50 | 8 | Nut-Lug 1/2-20 |




# Seat Assembly

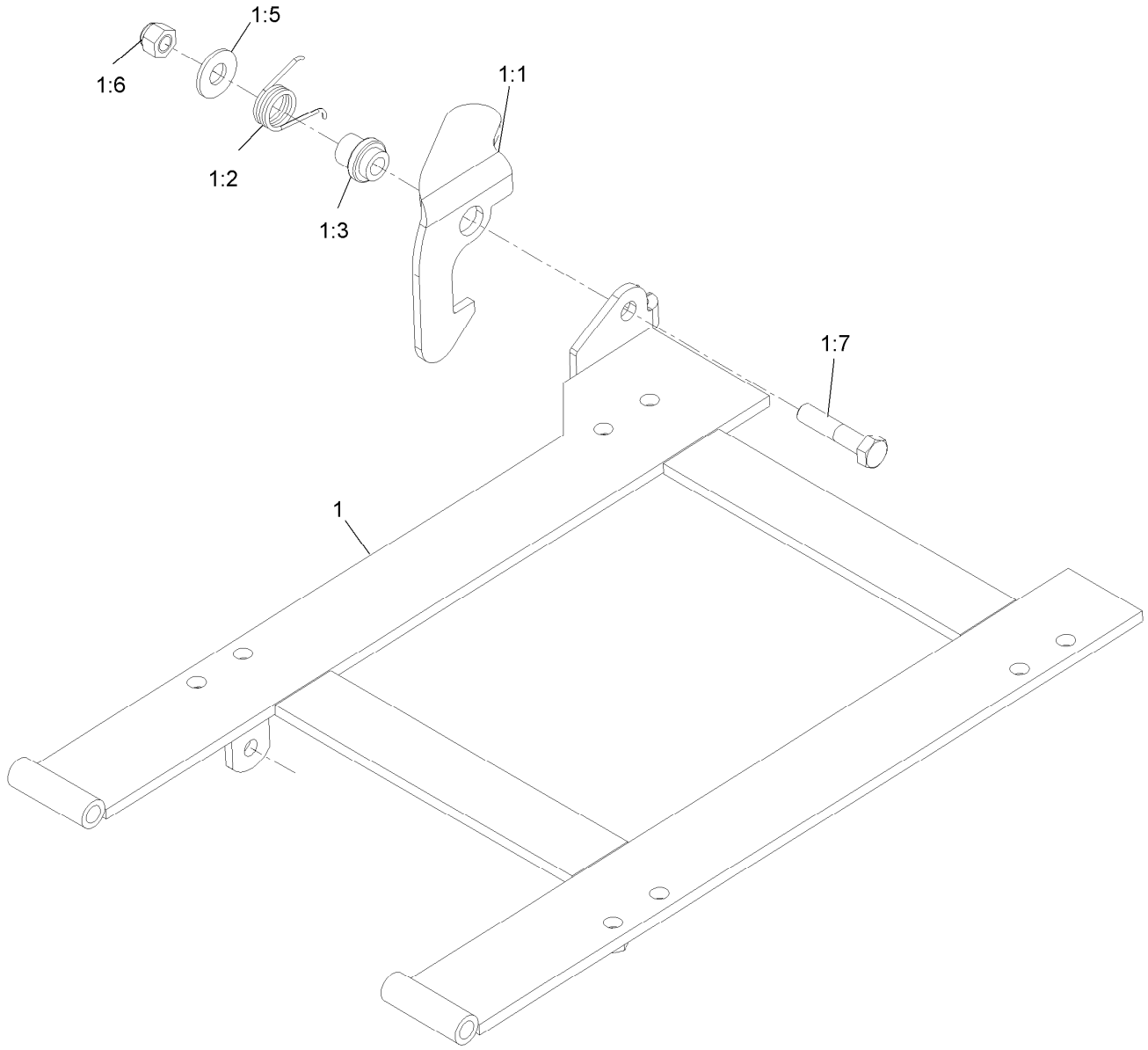
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 116-8912 | 1 | Kit-Suspension Seat |
| 2 | 1-653282-03 | 2 | Stop/Spacer-Seat |
| 3 | 109-9228 | 1 | Kit,Seat Frame Service ● |
| 4 | 26-4840 | 4 | Spacer-Pin, Mounting |
| 6 | 3296-29 | 6 | Nut-Nyloc 5/16-18 |
| 7 | 32128-20 | 4 | Nut-Whizlock 5/16-18 |
| 8 | 323-39 | 2 | Screw-HH 3/8-16 X 5 |
| 9 | 3296-39 | 2 | Nut-Nyloc 3/8-16 |
| 10 | 103-5161 | 2 | Link-Stop, Seat |
| 11 | 109-2759 | 2 | Link-Stop, Seat |
| 12 | 322-5 | 6 | Screw-HH 5/16-18 X 1 |

● Includes seat belt assembly




# Seat W/Tracks Assembly No. 116-8912

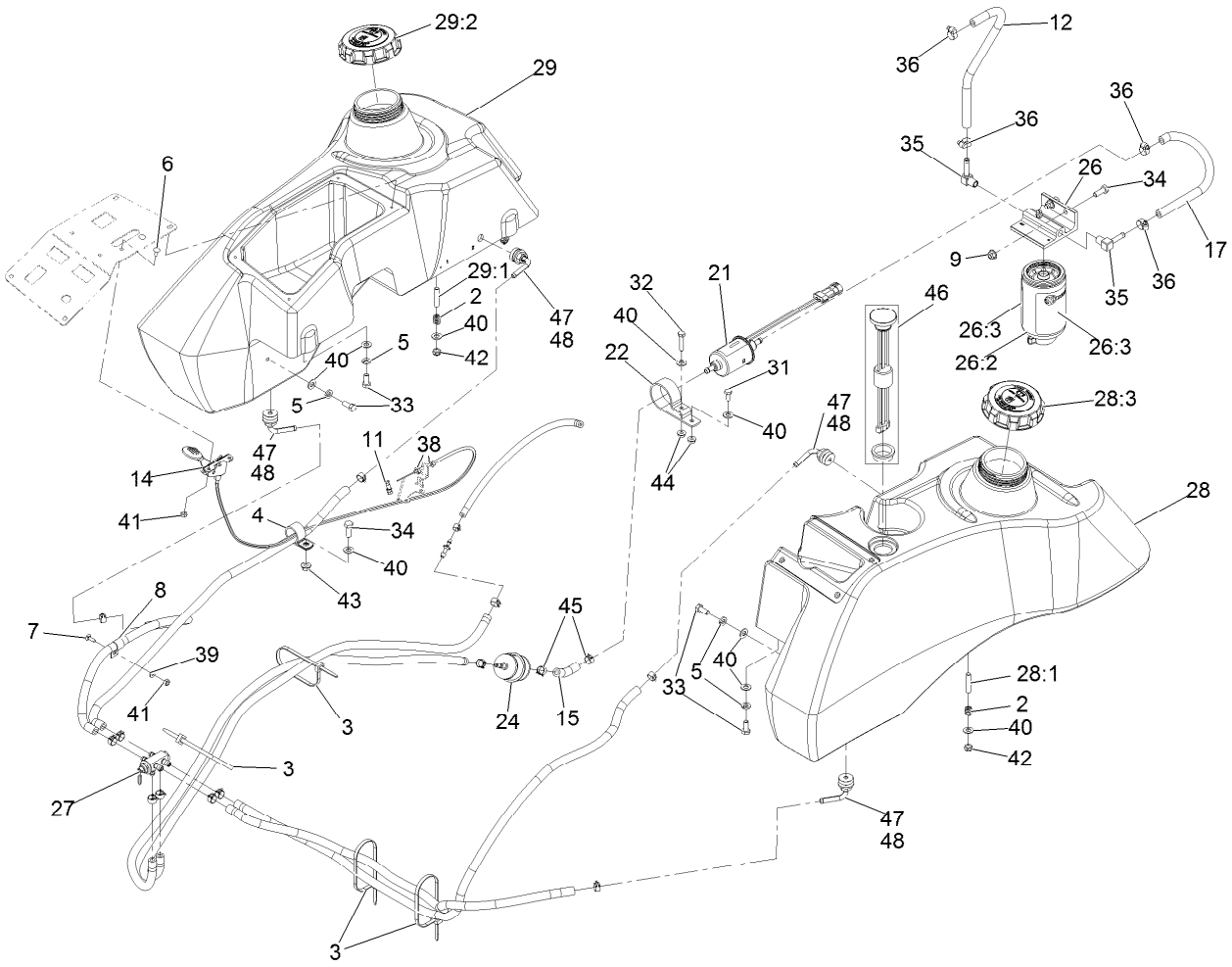
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 2 | 116-8910 | 1 | Seat Track Set |
| 3 | 116-8908 | 1 | Cover-Back 311463Vn500 |
| 4 | 116-8909 | 1 | Cover-Cushion 311464Vn500 |
| 5 | 116-8911 | 1 | Knob-Adjuster |
| 6 | 116-5659 | 1 | Cover-Suspension Bellows |
| 7 | 109-9805 | 1 | Seat Belt Kit |
| 8 | 116-8906 | 1 | Kit-Arm Rest Set |
| 9 | 116-8905 | 1 | Kit-Arm Rest Pads |
| 10 | 82-2190 | 1 | Switch |
| 11 | 116-9329 | 4 | Spacer |




# Seat Frame Single Latch Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | | 1 | Seat Frame Single Latch ASM ● |
| 1:1 | 103-5520 | 1 | Catch-Latch, Single |
| 1:2 | 103-5519 | 1 | Spring-Torsion, Latch |
| 1:3 | 107-0075 | 1 | Bushing |
| 1:5 | 3256-4 | 1 | Washer-3/8 Std |
| 1:6 | 3296-39 | 1 | Nut-Nyloc 3/8-16 |
| 1:7 | 323-9 | 1 | Screw-HH 3/8-16 X 1 3/4 |

● Not serviced separately

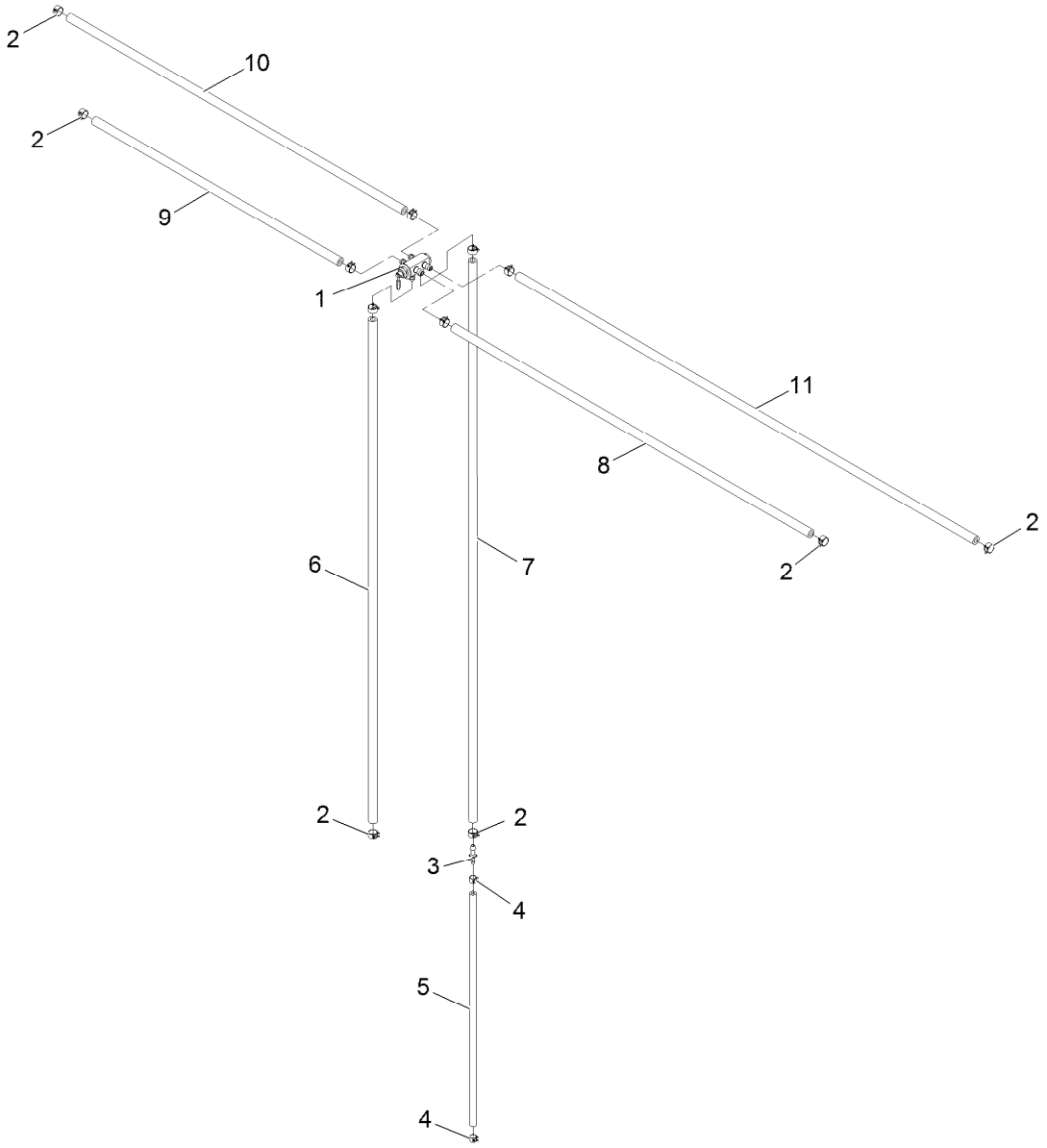



# Fuel Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 2 | 1-633349 | 6 | Spring-Compression |
| 3 | 1-643115 | 4 | Tie-Cable 11.4 |
| 4 | 1-643312 | 1 | Clip-Loom |
| 5 | 1-805005 | 4 | Washer-Lock 5/16 Heavy |
| 6 | 1-807513 | 2 | Bolt-Carriage #10-24 X 1/2 |
| 7 | 1-807533 | 1 | Bolt-Carriage #10-24 X 5/8 |
| 8 | 103-1193 | 1 | Clip-Loom Half |
| 9 | 104-8300 | 2 | Nut-Nyloc 5/16-18 Flg |
| 11 | 108-5928 | 1 | Swivel-Stop, Cable |
| 12 | 109-0274 | 1 | Hose-Fuel Line 16" |
| 14 | 109-6652 | 1 | Cable, Throttle |
| 15 | 110-0047 | 1 | Hose-Fuel Line 2 3/8" |
| 17 | 110-4104 | 1 | Hose-Fuel Line 11" |
| 21 | 110-8806 | 1 | Pump-Fuel |
| 22 | 110-8817 | 1 | Bracket-Pump, Fuel |
| 24 | 112-7836 | 1 | Filter-Inline |
| 26 | 116-0290 | 1 | ASM,Fuel Filter |
| 26:2 | 116-0289 | 1 | Filter,Fuel |
| 26:3 | 116-1559 | 2 | Decal,Exmark Filter |
| 27 | | 1 | ASM, Fuel Valve-Hoses ● |
| 28 | 116-0141 | 1 | ASM,Fuel Tank Lxs LH |
| 28:1 | 1-633023 | 3 | Stud-Fuel Tank ▲ |

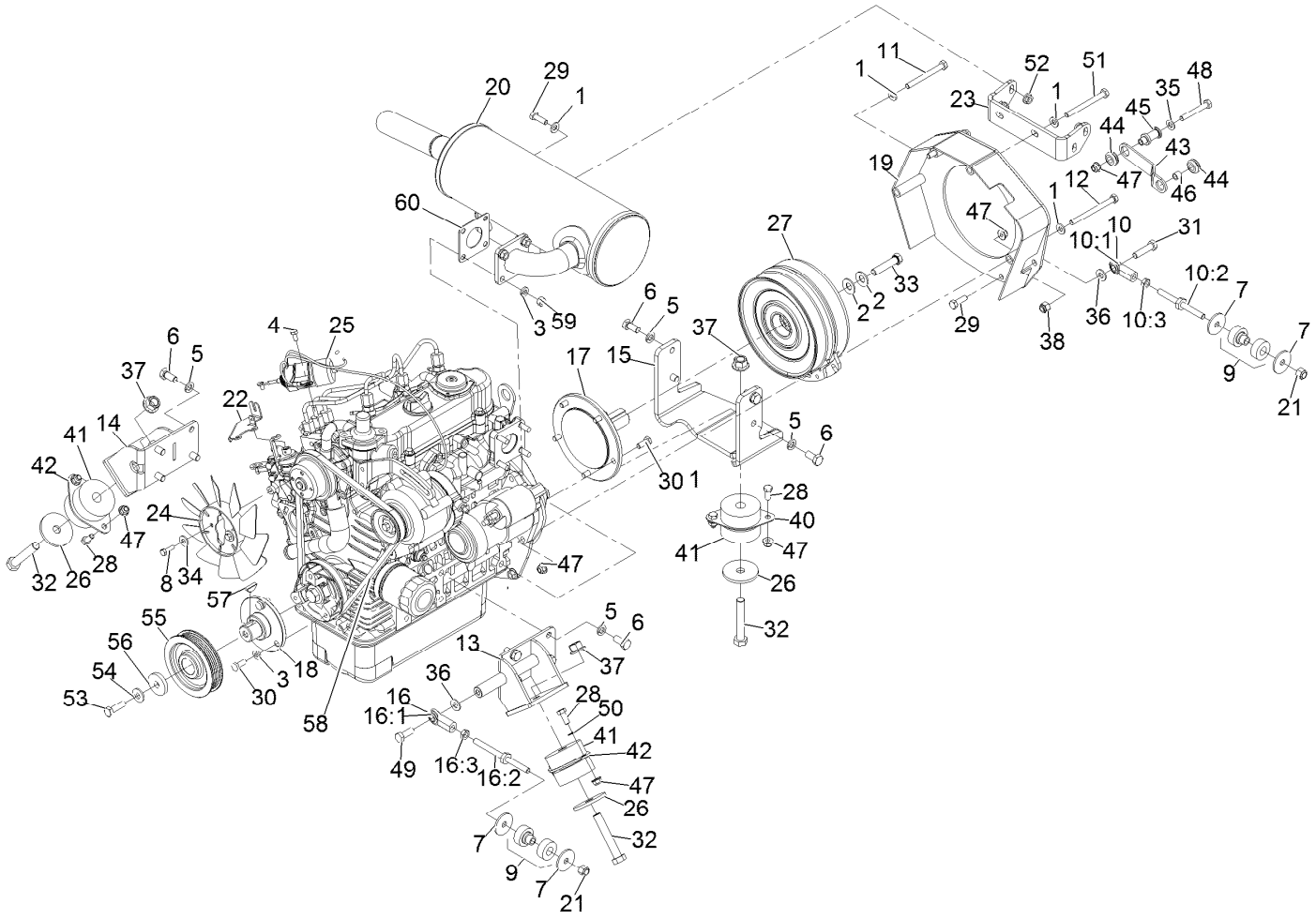
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 28:3 | 114-5062 | 1 | Cap-Biodiesel |
| 29 | 116-0142 | 1 | ASM, Fuel Tank Lxs RH |
| 29:1 | 1-633023 | 3 | Stud-Fuel Tank ▲ |
| 29:2 | 114-5062 | 1 | Cap-Biodiesel |
| 31 | 321-3 | 1 | Screw-HH 1/4-20 X 5/8 |
| 32 | 321-8 | 1 | Screw-HH 1/4-20 X 1 1/4 |
| 33 | 322-3 | 4 | Screw-HH 5/16-18 X 3/4 |
| 34 | 322-4 | 3 | Screw-HH 5/16-18 X 7/8 |
| 35 | 353-707 | 2 | Adapter-90° |
| 36 | 2412-108 | 4 | Clamp-Worm |
| 38 | 3220-1 | 2 | Nut-Jam 1/4-28 |
| 39 | 3256-14 | 1 | Washer-#10 Std |
| 40 | 3256-23 | 13 | Washer-5/16 Sae |
| 41 | 3296-2 | 3 | Nut-Nyloc #10-24 |
| 42 | 3296-47 | 6 | Nut-Nyloc 5/16-18 Thin |
| 43 | 32128-20 | 1 | Nut-Whizlock 5/16-18 |
| 44 | 32128-33 | 2 | Nut-Whizlock 1/4-20 |
| 45 | 92-2379 | 2 | Clamp-Hose |
| 46 | 103-6564 | 1 | Kit-Fuel Gauge |
| 47 | 116-0968 | 1 | Fitting,Fuel Bulkhead W/O Screen ■ |
| 48 | 103-2784 | 1 | O-Ring |

● Not serviced separately
■ Use Pro-Lock, Nut Type (P/N 1-840022, .5ml tube) on threads.
▲ Use Pro-Lock retaining type, Part no. 1-840023 (.5cc tube) on threads.




# Fuel Valve Hose Assembly

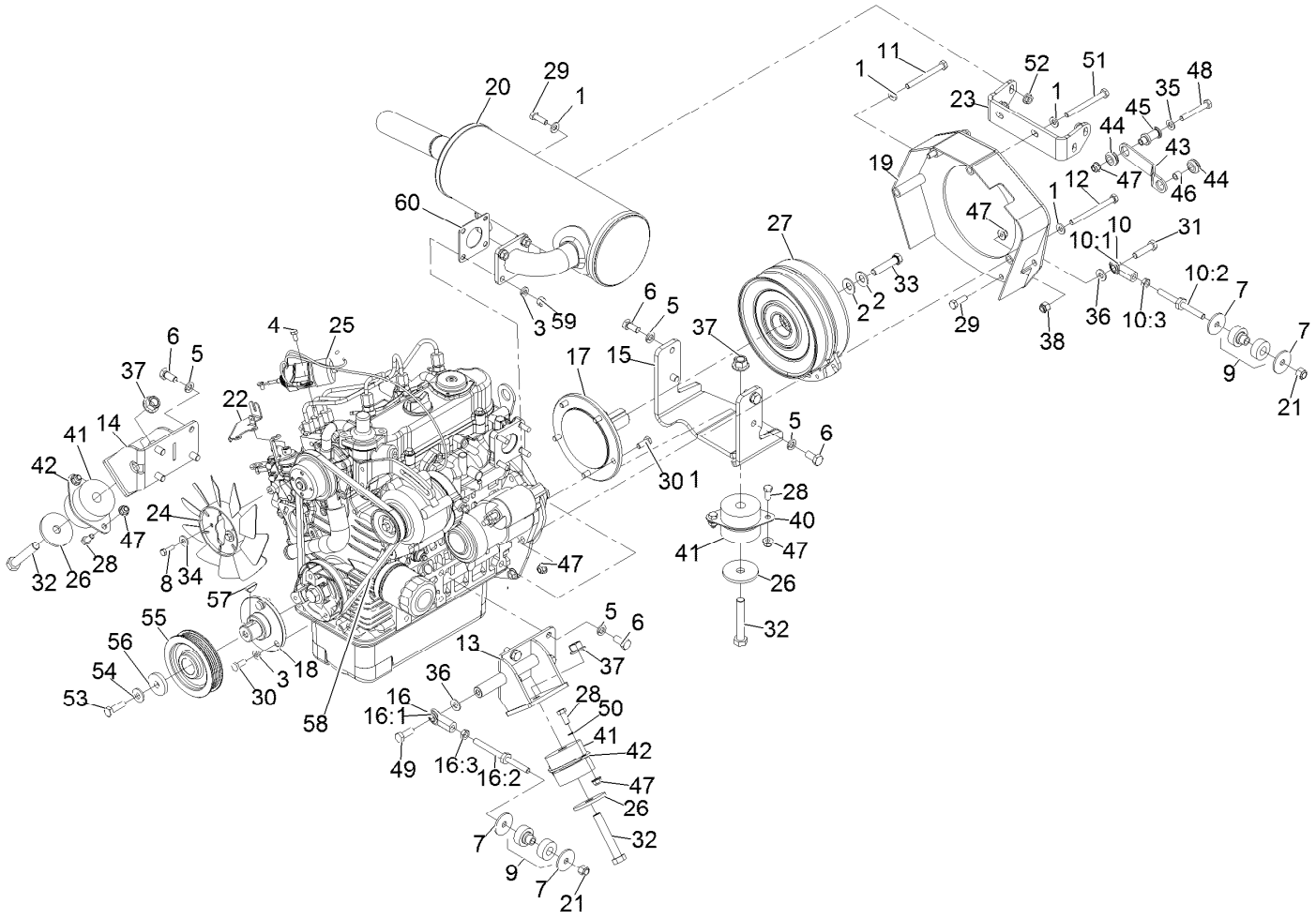
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 116-0973 | 1 | Valve,Fuel Selector 5/16 |
| 2 | 92-2379 | 12 | Clamp-Hose |
| 3 | 121-2573 | 1 | Fitting-Straight |
| 4 | 2412-80 | 2 | Clamp-Hose |
| 5 | 68-3633 | 1 | Hose-Fuel |
| 6 | 110-4114 | 1 | Hose-Fuel |
| 7 | 110-4100 | 1 | Hose-Fuel |
| 8 | 115-2370 | 1 | Hose-Fuel |
| 9 | 108-3284 | 1 | Hose-Fuel |
| 10 | 110-6186 | 1 | Hose-Fuel |
| 11 | 109-0277 | 1 | Hose-Fuel |




# Engine Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 1-303334 | 8 | Washer-Spring Disc 5/16 |
| 2 | 1-603610 | 2 | Washer-Spring Disc 7/16 |
| 3 | 1-805005 | 7 | Washer-Lock 5/16 Heavy |
| 4 | 33113-012 | 2 | Screw-HH M6-1 X 12Mm |
| 5 | 42-9600 | 12 | Washer-Lock M10 |
| 6 | 63-7790 | 12 | Screw-HH M10-1.25 X 1.25Mm |
| 7 | 93-6099 | 4 | Washer |
| 8 | 33113-020 | 2 | Screw-HH M6-1 X 12Mm |
| 9 | 103-3568 | 2 | Isolator-Link |
| 10 | 103-3745 | 1 | Ball Joint Link ASM |
| 10:1 | 103-0608 | 1 | Balljoint |
| 10:2 | 103-3567 | 1 | Link, A-T |
| 10:3 | 3220-3 | 1 | Nut-Jam 3/8-24 |
| 11 | 33114-080 | 1 | Screw-HH M8-1.25 X 80Mm |
| 12 | 322-23 | 1 | Screw-HH 5/16-18 X 3 3/4 |
| 13 | 116-4514-03 | 1 | Engine Mount-LH |
| 14 | 116-4513-03 | 1 | Engine Mount-RH |
| 15 | 116-2638-03 | 1 | Bracket,Engine Mount |
| 16 | 109-8528 | 1 | Asm, A-T Link |
| 16:1 | 103-0608 | 1 | Balljoint |
| 16:2 | 103-7544 | 1 | Link, Rear A-T Axial |
| 16:3 | 3220-3 | 1 | Nut-Jam 3/8-24 |
| 17 | 109-9873 | 1 | Shaft,Kubota 902 Stub |
| 18 | 103-7556 | 1 | Hub, Pump Drive |
| 19 | 116-5089-03 | 1 | Wld,Flywheel Cover |
| 20 | 116-7108 | 1 | Muffler Kit - Kubota |
| 21 | 3296-6 | 2 | Nut-Nyloc 3/8-24 |
| 22 | 126-0723 | 1 | Bracket, Kd Throttle |
| 23 | 116-6179-03 | 1 | Support-Muffler |
| 24 | 109-0789 | 1 | Fan |
| 25 | 109-1211 | 1 | Solenoid, Fuel. |
| 26 | 116-5142 | 3 | Washer |
| 27 | 116-1610 | 1 | Clutch, Cms250 Kd |
| 28 | 322-3 | 6 | Screw-HH 5/16-18 X 3/4 |
| 29 | 322-5 | 5 | Screw-HH 5/16-18 X 1 |
| 30 | 33114-020 | 8 | Screw-HH M8-1.25 X 20Mm ● |

● Use Pro-Lock, Nut Type (P/N 1-840022, .5ml tube) on threads.

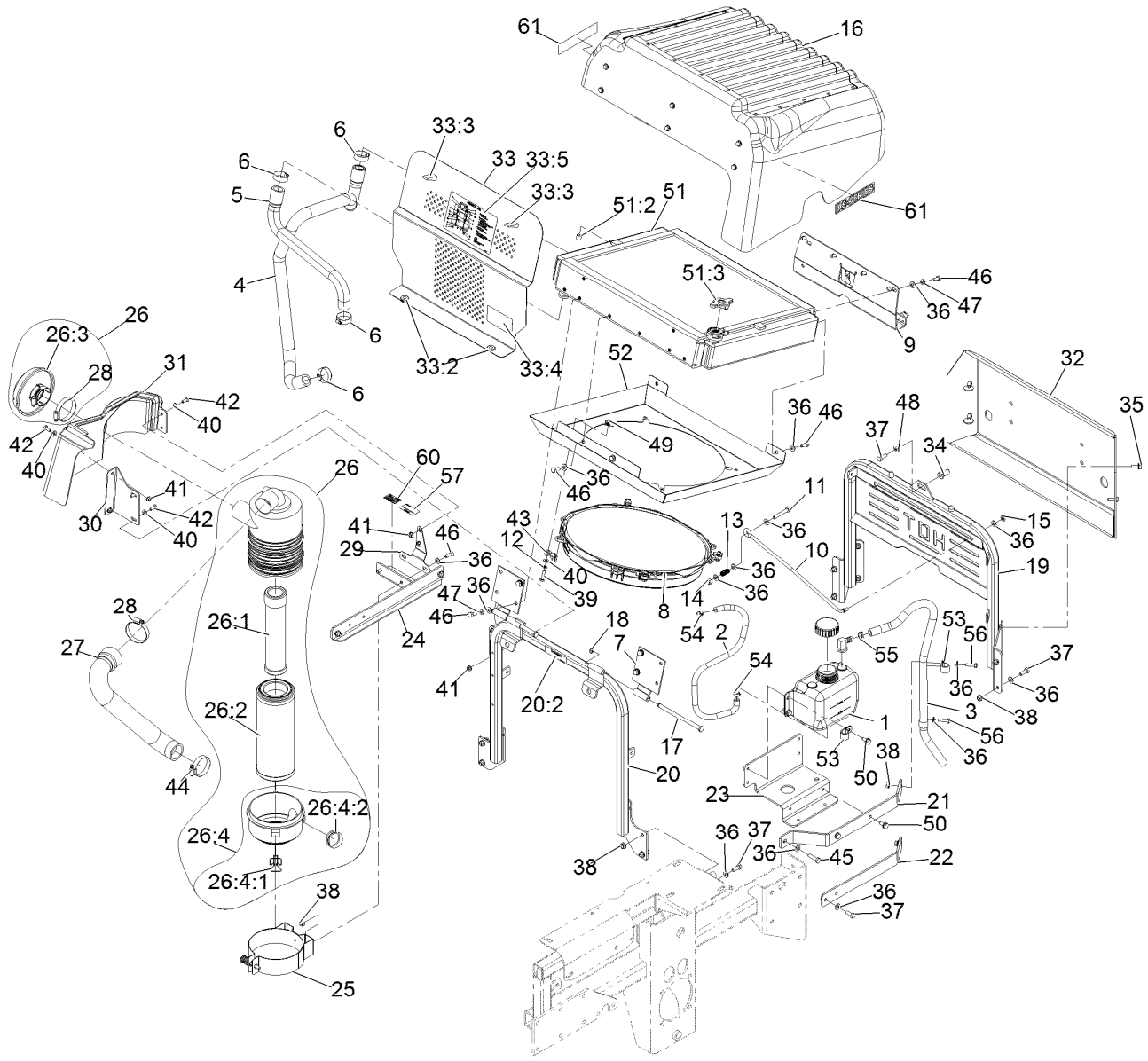



# Engine Assembly (continued)

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 31 | 323-8 | 1 | Screw-HH 3/8-16 X 1 1/2 |
| 32 | 325-12 | 3 | Screw-HH 1/2-13 X 3 |
| 33 | 3212-8 | 1 | Screw-HH 7/16-20 X 2 ● |
| 34 | 3256-2 | 2 | Washer-1/4 Std |
| 35 | 3256-23 | 1 | Washer-5/16 Sae |
| 36 | 3256-24 | 2 | Washer-3/8 Sae |
| 37 | 99-5107 | 3 | Nut-Lock 1/2-13 |
| 38 | 3296-39 | 1 | Nut-Nyloc 3/8-16 |
| 40 | 116-2641-03 | 1 | Flange ASM |
| 41 | 116-4433 | 3 | Isolator,Engine |
| 42 | 116-2725-03 | 2 | Flange-11GA |
| 43 | 116-5296-03 | 1 | Clutch Link |
| 44 | 1-633630 | 2 | Grommet |
| 45 | 116-5295 | 1 | Clutch Standoff |
| 46 | 1-633545 | 1 | Spacer |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 47 | 104-8300 | 9 | Nut-Nyloc 5/16-18 Flg |
| 48 | 322-11 | 1 | Screw-HH 5/16-18 X 2 1/4 |
| 49 | 3235-22 | 1 | Screw-HH, Lock |
| 50 | 3255-8 | 1 | Washer-Lock 5/16 (Ext-Tooth) |
| 51 | 119-4866 | 2 | Screw-HH ● |
| 52 | 32128-20 | 4 | Nut-Whizlock 5/16-18 |
| 53 | 323-7 | 1 | Screw-HH 3/8-16 X 1 1/4 |
| 54 | 98-5975 | 1 | Washer-Spring Disc 3/8 |
| 55 | 103-4718 | 1 | Sheave, Engine |
| 56 | 1-543610 | 1 | Washer |
| 57 | 1-807014 | 1 | Key-Woodruff 1/4 X 7/8 |
| 58 | 109-2901 | 1 | Belt |
| 59 | 33014-00 | 4 | Nut-Hex M8-1.25 |
| 60 | 99-8343 | 1 | Gasket-Muffler |

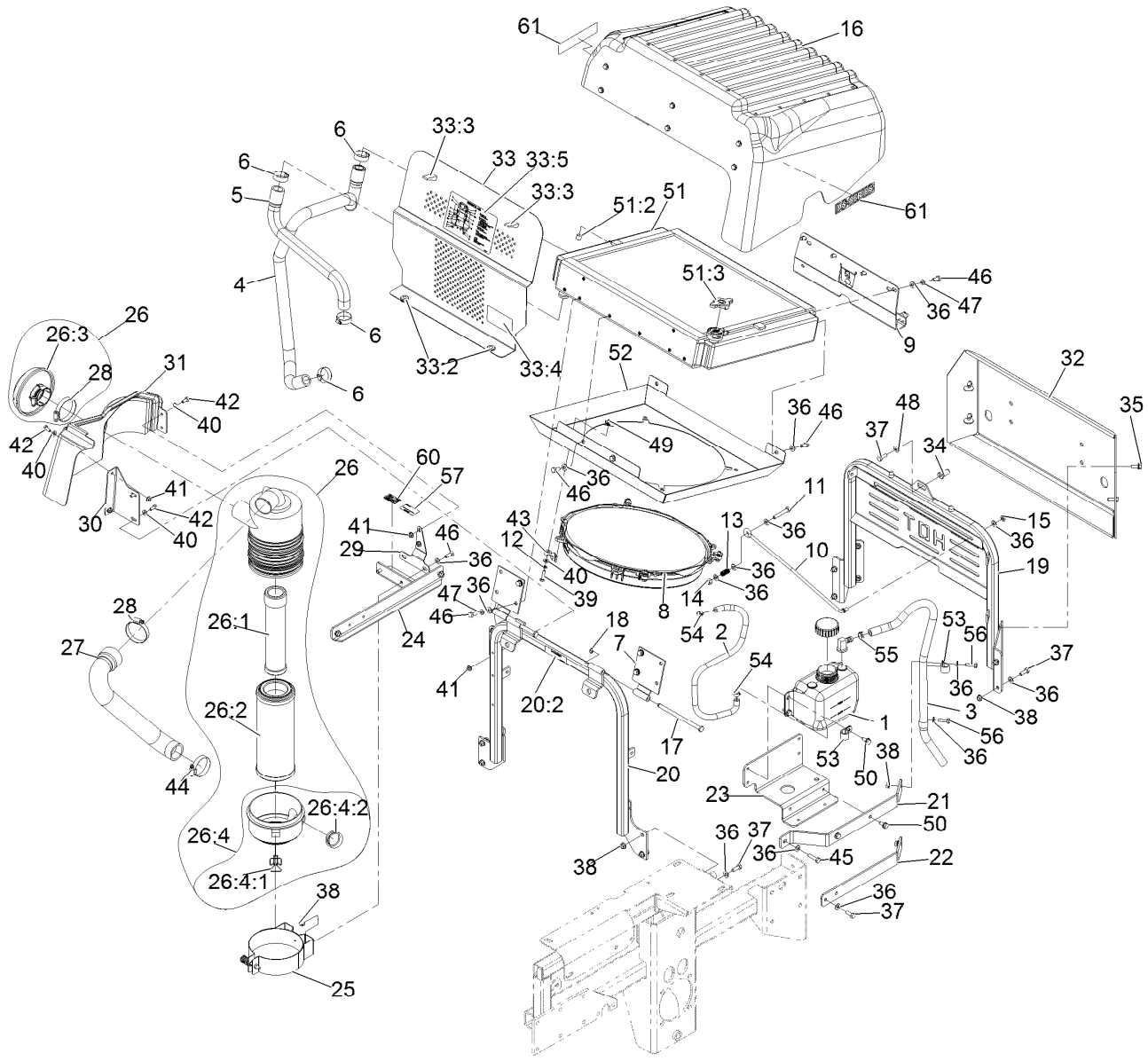
● Use Pro-Lock, Nut Type (P/N 1-840022, .5ml tube) on threads.



# Cooling Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 116-7124 | 1 | Tank, Overflow W/Cap |
| 2 | 116-7204 | 1 | Hose, .313 I.D.X 25.0 Reinforced Epdm |
| 3 | 116-7245 | 1 | Hose, .500 I.D. X 30" Epdm |
| 4 | 109-3142 | 1 | Hose, Radiator |
| 5 | 103-7532 | 1 | Hose, Radiator |
| 6 | 2412-34 | 4 | Clamp-Hose |
| 7 | 109-3179-03 | 2 | Wld, Hinge Plate |
| 8 | 116-6274 | 1 | Fan- Electric |
| 9 | 109-8427 | 1 | ASM-Latch Plate |
| 10 | 103-9207 | 1 | Rod, Prop |
| 11 | 322-10 | 1 | Screw-HH 5/16-18 X 2 |
| 12 | 3253-3 | 4 | Washer-Lock 1/4 |
| 13 | 103-6643 | 1 | Spring |
| 14 | 3296-29 | 1 | Nut-Nyloc 5/16-18 |
| 15 | 109-0917 | 1 | Nut-Push 5/16 |
| 16 | 116-6394 | 1 | Hood ASM, D902 |
| 17 | 103-9218 | 2 | Pin, Cover Pivot |
| 18 | 32120-18 | 2 | E-Ring |
| 19 | 109-8546-03 | 1 | Wld, Rear Radiator Mount |

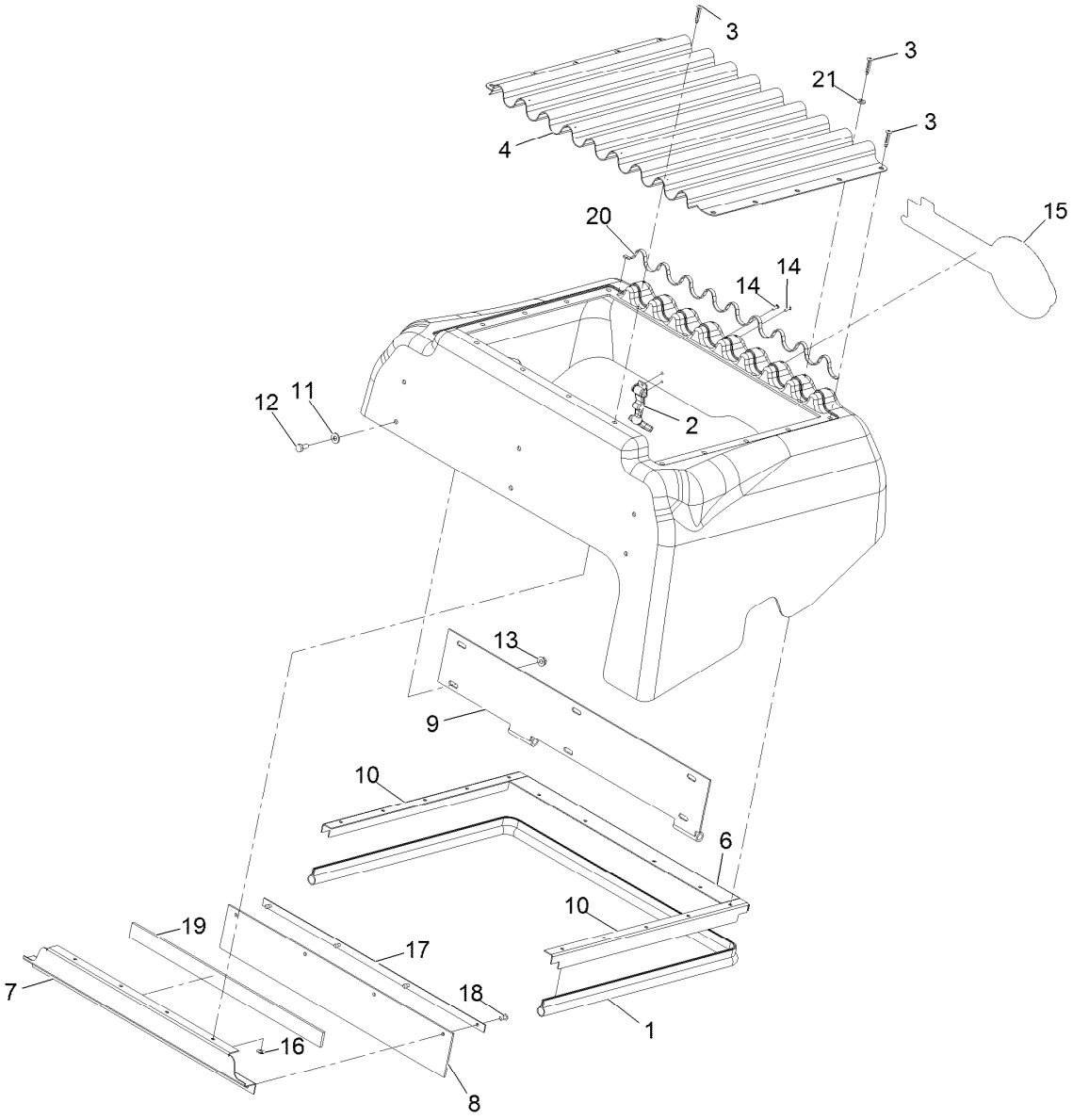
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 20 | 109-2804 | 1 | Asm, Front Radiator Mount (103-7582-03) W/Decals |
| 20:2 | 98-5954 | 1 | Decal-Missing Cover |
| 21 | 103-7558-03 | 1 | Rib, Top |
| 22 | 103-7579-03 | 1 | Rib, Bottom |
| 23 | 116-4822-03 | 1 | Bracket, Bottle-Hydro Tank |
| 24 | 103-9248-03 | 1 | Wld, Air Cleaner Mount |
| 24 | 109-3257 | 1 | Asm, Air Cleaner Brkt W/Decals |
| 25 | 103-1058 | 1 | Bracket-Filter, Air |
| 26 | 103-5178 | 1 | Asm-Canister Air Filter W/Hood |
| 26:1 | 103-1326 | 1 | Filter-Air, Safety |
| 26:2 | 103-1327 | 1 | Filter-Air |
| 26:3 | 100-2436 | 1 | Asm-Hood Air Intake W/Clamp |
| 26:4 | 103-1060 | 1 | Cover-Filter, Air |
| 26:4:1 | 99-3174 | 2 | Clip-Cleaner, Air |
| 26:4:2 | 109-2820 | 1 | Ejector-Air Cleaner |
| 27 | 103-7597 | 1 | Hose, Air Intake |
| 28 | 2412-42 | 1 | Clamp-Hose |



# Cooling Assembly (continued)

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 29 | 103-9222-03 | 1 | Bracket, Rear Cover |
| 30 | 103-9206-03 | 1 | Bracket, Front Cover |
| 31 | 103-9221 | 1 | Panel, Side |
| 32 | 103-1479-03 | 1 | Bumper, Rear |
| 33 | 116-0136 | 1 | ASM,Panel W/ Decals Lxs Lc Kd |
| 33:2 | 109-0023 | 2 | Grommet |
| 33:3 | 74-5950 | 2 | Latch |
| 33:4 | 116-0127 | 1 | Decal,Hydro Belt Routing |
| 33:5 | 116-0997 | 1 | Decal, Check Service |
| 34 | 109-8432 | 1 | Pin, Latch |
| 35 | 3234-47 | 4 | Screw-HH Flg 5/16-18 X 3/4 |
| 36 | 3256-23 | 32 | Washer-5/16 Sae |
| 37 | 322-4 | 12 | Screw-HH 5/16-18 X 7/8 |
| 38 | 32128-20 | 16 | Nut-Whizlock 5/16-18 |
| 39 | 321-6 | 4 | Screw-HH 1/4-20 X 1 |
| 40 | 3256-22 | 10 | Washer-1/4 Sae |
| 41 | 32128-33 | 6 | Nut-Whizlock 1/4-20 |
| 42 | 321-3 | 6 | Screw-HH 1/4-20 X 5/8 |
| 43 | 109-2950 | 4 | Mount, Fan |

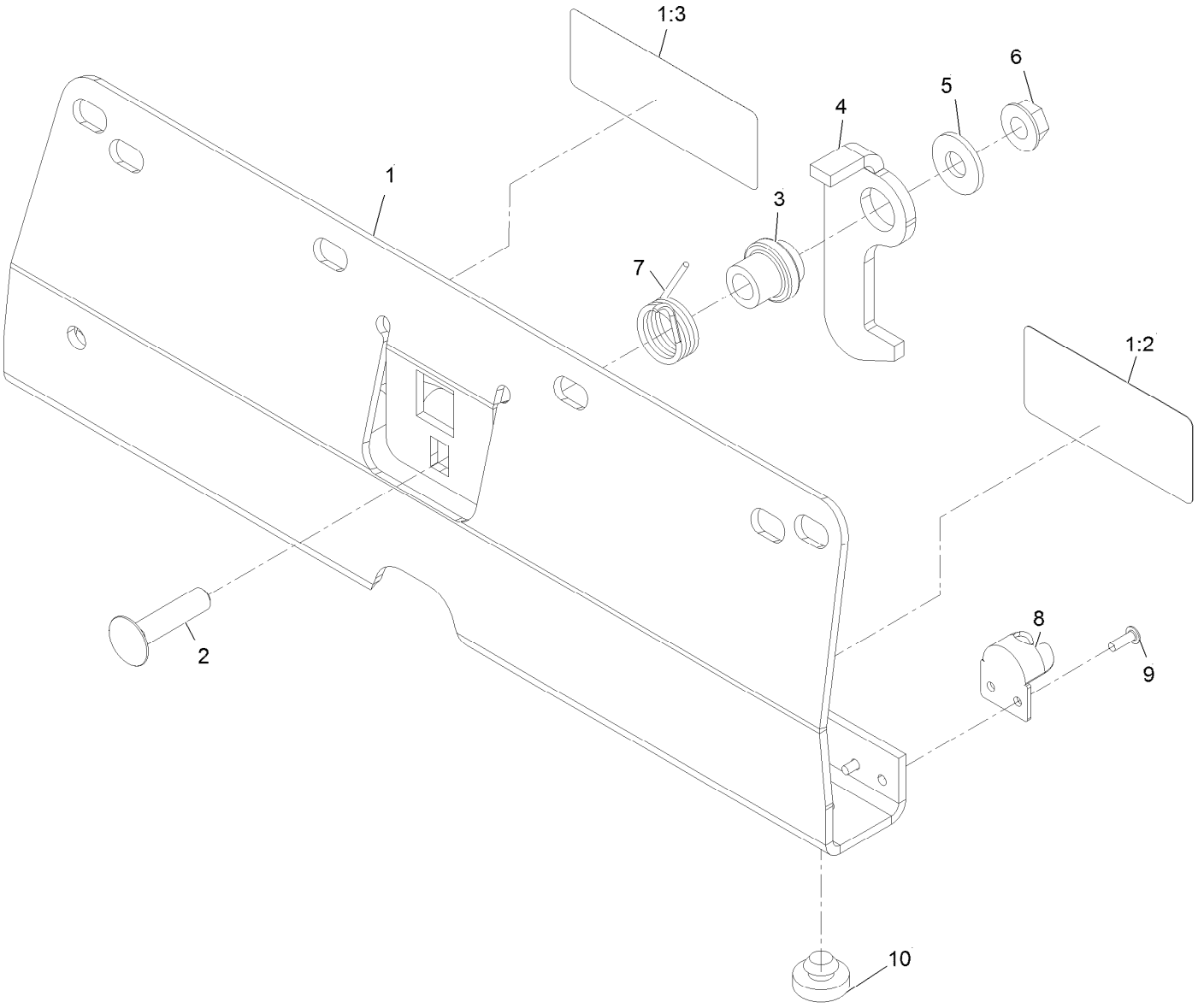
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 44 | 1-643009 | 1 | Clamp-Hose |
| 45 | 322-6 | 1 | Screw-HH 5/16-18 X 1 1/4 |
| 46 | 322-3 | 14 | Screw-HH 5/16-18 X 3/4 |
| 47 | 3253-4 | 8 | Washer-Lock 5/16 |
| 48 | 1-303334 | 1 | Washer-Spring Disc 5/16 |
| 49 | 107069 | 4 | Nut-Retainer-Panel 1/4-20 |
| 50 | 32144-70 | 6 | Screw-HWH 5/16-18 X 3/4 Tf |
| 51 | 116-5303 | 1 | Radiator ASM, Al D902 |
| 51:2 | 99-8551 | 1 | Plug-Pipe |
| 51:3 | 1-643161 | 1 | Cap-Radiator |
| 52 | 116-6296-03 | 1 | Fan Shroud,16 |
| 53 | 1-633396 | 3 | Clip-Loom 5/8 |
| 54 | 92-2379 | 2 | Clamp-Hose |
| 55 | 110-6242 | 1 | Clamp-Hose |
| 56 | 322-5 | 2 | Screw-HH 5/16-18 X 1 |
| 57 | 110-0806 | 1 | Decal-Caution |
| 60 | 103-2076 | 1 | Decal-Caution |
| 61 | 116-6992 | 2 | Decal, Ds Series |




# Hood Assembly

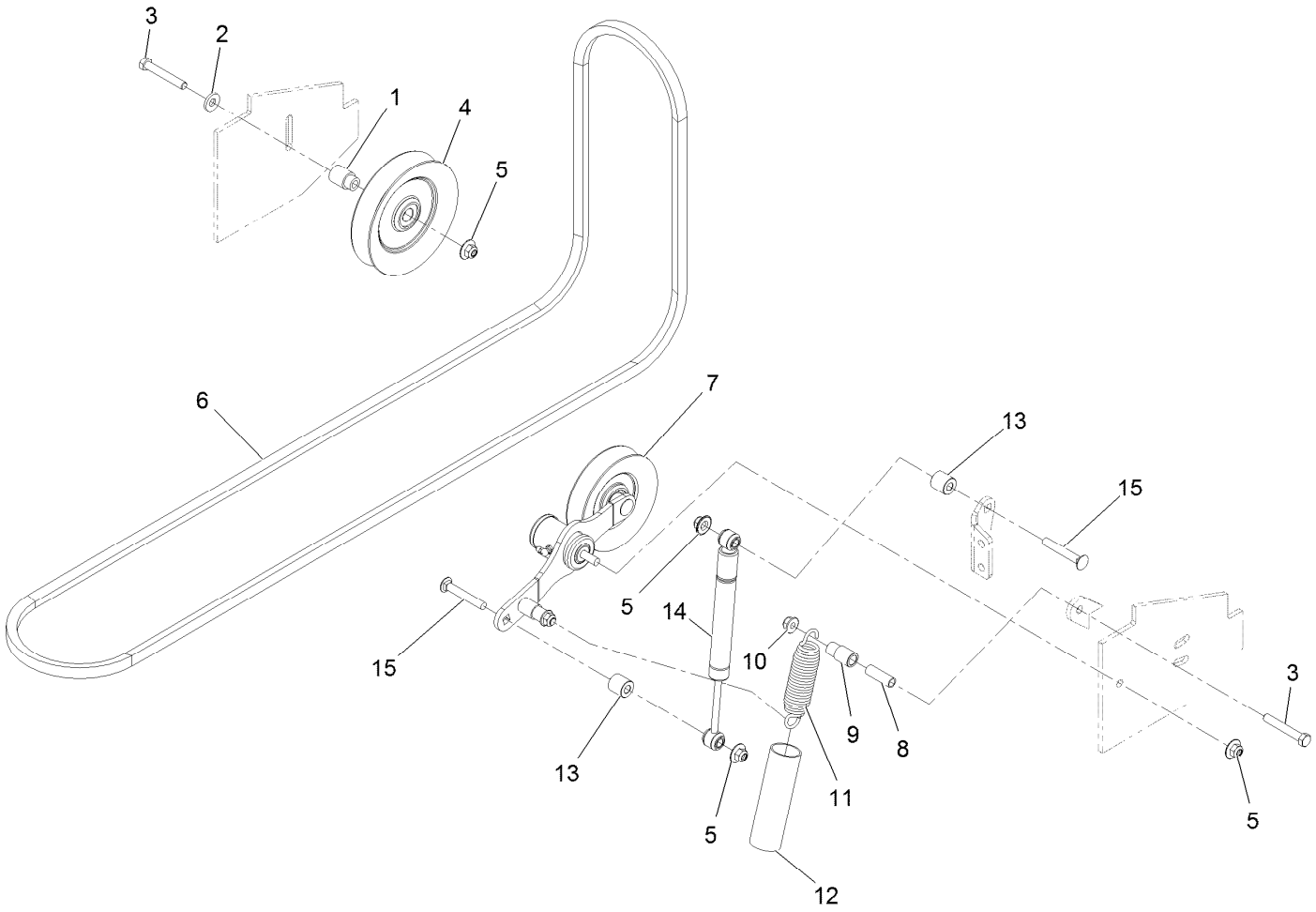
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 116-5325 | 1 | Seal-Trim 54.6 |
| 2 | 1-643188 | 2 | Latch-Rubber |
| 3 | 1-803072 | 18 | Rivet |
| 4 | 103-9201-03 | 1 | Screen, Radiator |
| 6 | 116-5323-03 | 1 | Mount-Seal Rear |
| 7 | 116-5302-03 | 1 | Mount-Seal Front |
| 8 | 116-5160 | 1 | Seal-Radiator Hood |
| 9 | 103-9226-03 | 1 | Wld, Hinge |
| 10 | 116-5324-03 | 2 | Mount-Seal Side |
| 11 | 3256-22 | 6 | Washer-1/4 Sae |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 12 | 321-3 | 6 | Screw-HH 1/4-20 X 5/8 |
| 13 | 32128-33 | 6 | Nut-Whizlock 1/4-20 |
| 14 | 923786 | 4 | Rivet |
| 15 | 109-1801 | 1 | Decal, Exmark Logo |
| 16 | 1-303435 | 4 | Washer-Spring Disc 1/4 |
| 17 | 116-5319-03 | 1 | Plate-Seal Backup |
| 18 | 1-803073 | 4 | Rivet-Pop |
| 19 | 116-5348 | 1 | Seal-Front Screen |
| 20 | 116-5349 | 1 | Seal-Rear Screen |
| 21 | 3256-14 | 4 | Washer-#10 Std |



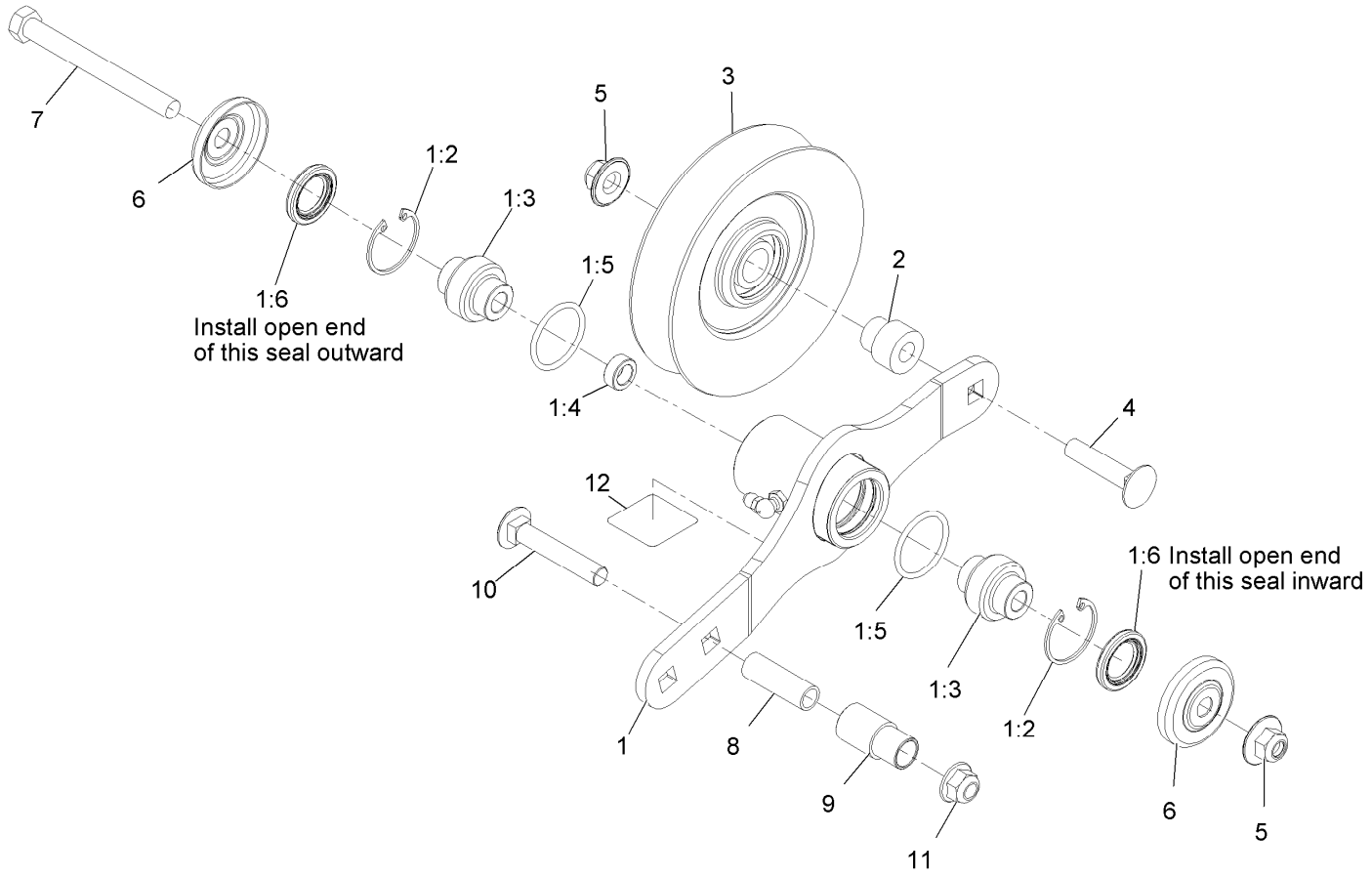

# Latch Plate Assembly No. 109-8427

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 109-8539 | 1 | Asm, Latch Plate W/Decals |
| 1:2 | 110-3842 | 1 | Decal-Antifreeze |
| 1:3 | 109-2263 | 1 | Decal, Pump Fan Warning |
| 2 | 112-6950 | 1 | Bolt-Carriage 5/16-18 X 1 3/8 Short Neck |
| 3 | 107-0075 | 1 | Bushing |
| 4 | 109-8431 | 1 | Hook, Latch |
| 5 | 3256-3 | 1 | Washer-5/16 Std |
| 6 | 32128-25 | 1 | Nut-Hex 5/16-18 Side Lock |
| 7 | 109-8430 | 1 | Spring |
| 8 | 1-643189 | 2 | Keeper-Latch, Rubber |
| 9 | 923786 | 4 | Rivet |
| 10 | 1-513658 | 2 | Bumper |




# Mule Drive Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 103-2627 | 1 | Bushing-Idler |
| 2 | 98-5975 | 1 | Washer-Spring Disc 3/8 |
| 3 | 323-12 | 2 | Screw-HH 3/8-16 X 2 1/2 |
| 4 | 1-633166 | 1 | Pulley-Idler |
| 5 | 109-6658 | 4 | Nut-Nyloc 3/8-16 Flg |
| 6 | 109-4199 | 1 | Belt, Mule Drive |
| 7 | 116-9286 | 1 | ASM-Ttnr Arm W/Pulley |
| 8 | 109-8754 | 1 | Spacer |
| 9 | 109-8866 | 1 | Bushing, Plastic |
| 10 | 104-8301 | 1 | Nut-Nyloc 3/8-16 Flg |
| 11 | 116-6316 | 1 | Spring-Extension |
| 12 | 116-0932 | 1 | Dampener,Spring |
| 13 | 116-9300 | 2 | Spacer-.39Idx.88Odx.88L |
| 14 | 116-9280 | 1 | Damper-Mule Belt Drive |
| 15 | 3231-31 | 2 | Bolt-Carriage 3/8-16 X 2 1/2 |

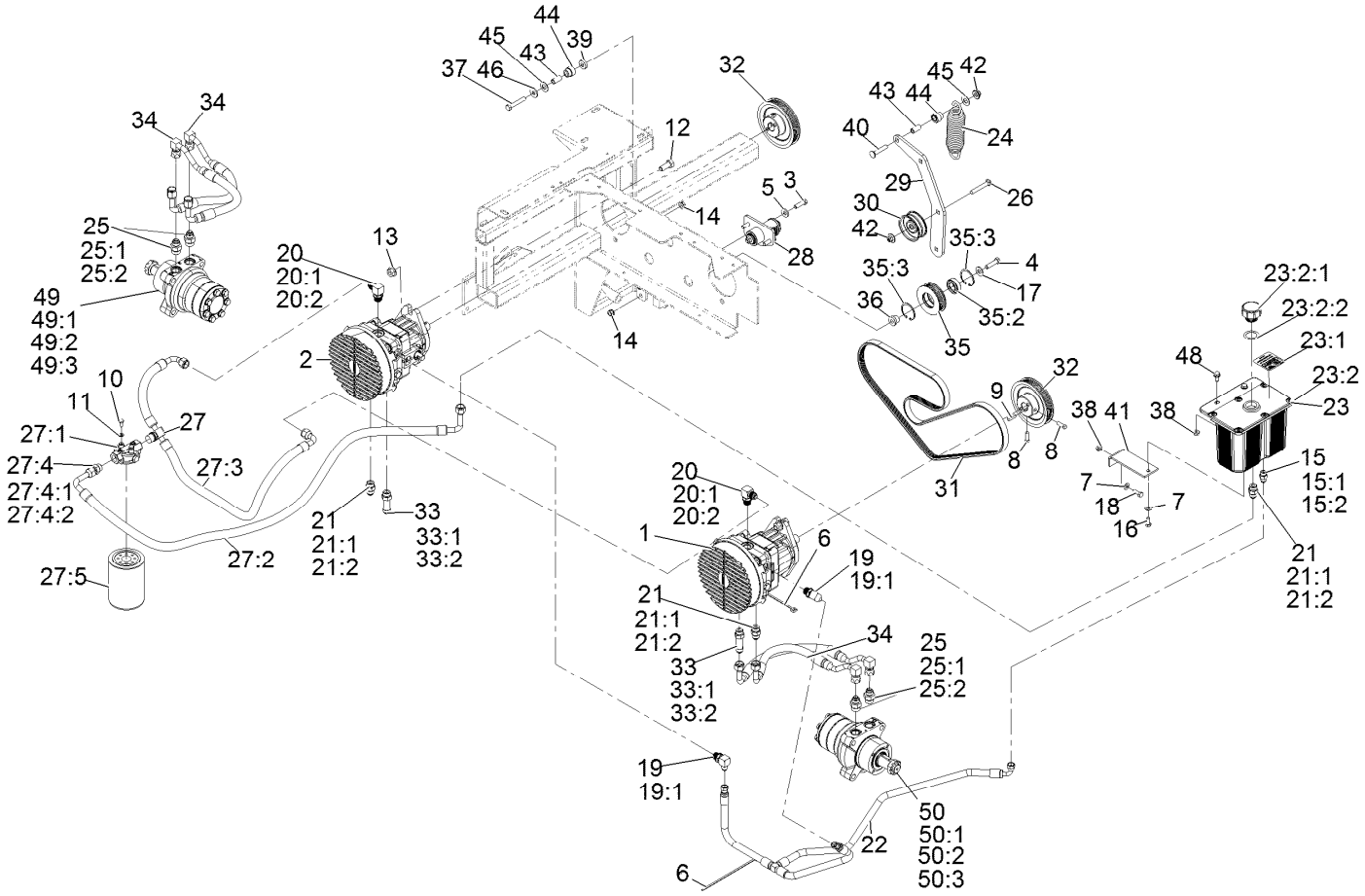



# Tightener Arm W/Pulley Assembly No. 116-9286

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | | 1 | ASM-Ttnr Arm W/Bearings● |
| 1:2 | 32120-10 | 2 | Ring-Retaining |
| 1:3 | 103-3504 | 2 | Bearing-Spherical |
| 1:4 | 103-5677 | 1 | Spacer |
| 1:5 | 106-7159 | 2 | O-Ring |
| 1:6 | 103-3506 | 2 | Seal-Single Lip |
| 2 | 1-603496 | 1 | Bushing-Idler |
| 3 | 1-603805 | 1 | Pulley-Idler |
| 4 | 3231-5 | 1 | Bolt-Carriage 3/8-16 X 1 3/4 |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 5 | 109-6658 | 2 | Nut-Nyloc 3/8-16 Flg |
| 6 | 103-2916 | 2 | Guard-Top |
| 7 | 323-42 | 1 | Screw-HH 3/8-16 X 3 3/4 |
| 8 | 109-8754 | 1 | Spacer |
| 9 | 109-8866 | 1 | Bushing, Plastic |
| 10 | 3231-7 | 1 | Bolt-Carriage 3/8-16 X 2 1/4 |
| 11 | 104-8301 | 1 | Nut-Nyloc 3/8-16 Flg |
| 12 | 103-5858 | 1 | Decal,Grease |

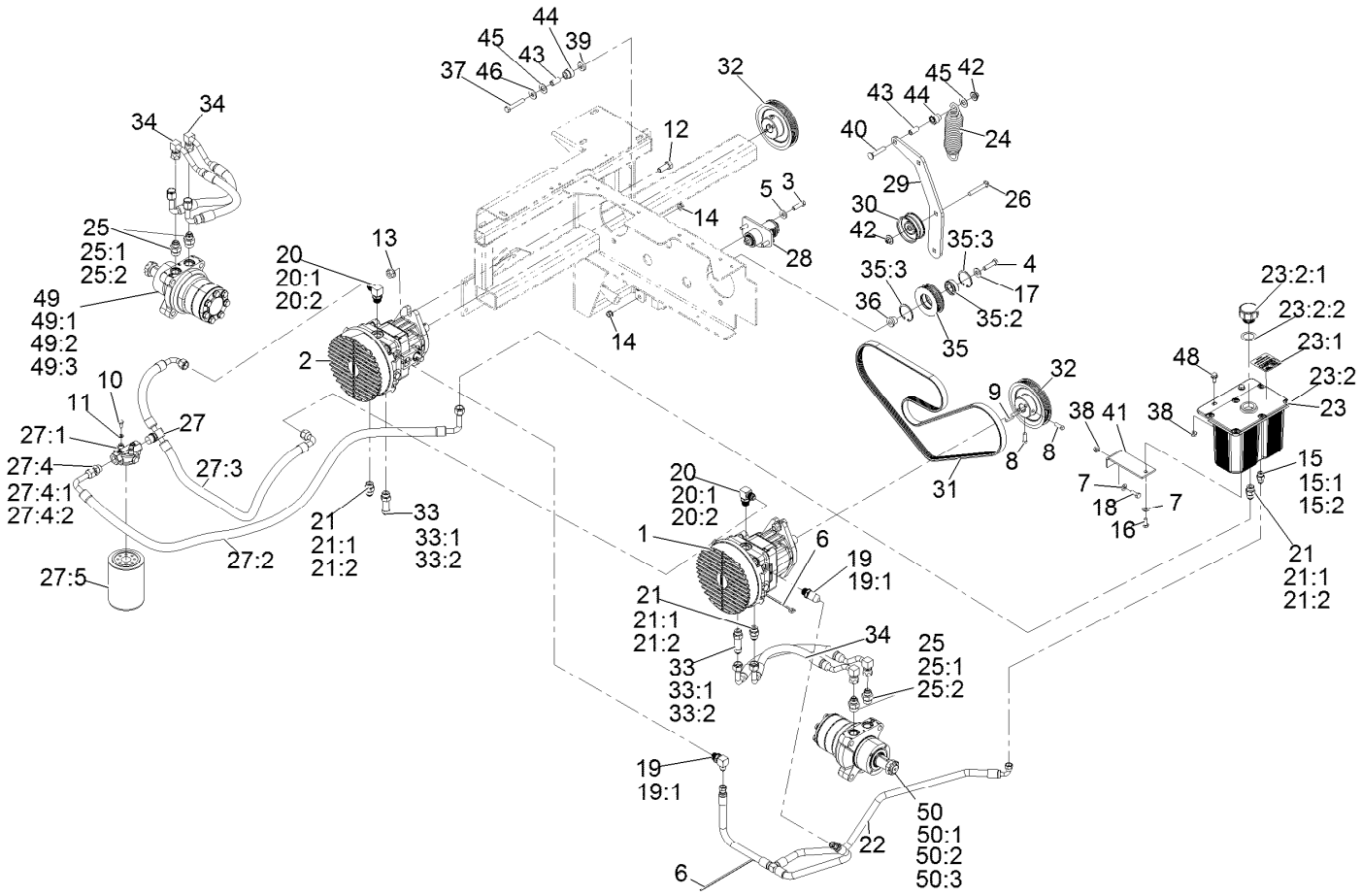
● Not serviced separately




# Hydraulic Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 109-7543 | 1 | Pump, Hydro |
| 2 | 109-7544 | 1 | Pump, Hydro |
| 3 | 323-7 | 3 | Screw-HH 3/8-16 X 1 1/4 |
| 4 | 323-8 | 1 | Screw-HH 3/8-16 X 1 1/2 |
| 5 | 98-5975 | 3 | Washer-Spring Disc 3/8 |
| 6 | 1-303335 | 2 | Tie-Cable 7 15/16 (Large) |
| 7 | 3256-23 | 2 | Washer-5/16 Sae |
| 8 | 30-1710 | 4 | Setscrew-5/16-18 X 1 |
| 9 | 1-807259 | 2 | Key-Machine 1/4 X 1/4 X 1 |
| 10 | 321-3 | 2 | Screw-HH 1/4-20 X 5/8 |
| 11 | 1-805004 | 2 | Washer-Lock 1/4 Heavy |
| 12 | 325-5 | 4 | Screw-HH 1/2-13 X 1 1/4 |
| 13 | 32128-49 | 4 | Nut-Whizlock 1/2-13 |
| 14 | 3290-357 | 4 | Nut-Whizlock 3/8-16 |
| 15 | 103-2156 | 1 | Adapter-Straight |
| 15:1 | 1-603921 | 1 | O-Ring-Sae #6 |
| 15:2 | 103-1020 | 1 | O-Ring-37 Flare #6 |
| 16 | 322-3 | 1 | Screw-HH 5/16-18 X 3/4 |
| 17 | 3256-4 | 1 | Washer-3/8 Std |
| 18 | 322-4 | 1 | Screw-HH 5/16-18 X 7/8 |
| 19 | 103-1014 | 2 | Elbow-90° |
| 19:1 | 1-603920 | 1 | O-Ring-Sae #8 |
| 20 | 103-2153 | 2 | Elbow-90° |
| 20:1 | 1-603920 | 1 | O-Ring-Sae #8 |
| 20:2 | 1-603992 | 1 | O-Ring-37 Flare #8 |
| 21 | 1-603990 | 3 | Adapter-Straight |
| 21:1 | 1-603920 | 1 | O-Ring-Sae #8 |
| 21:2 | 1-603992 | 1 | O-Ring-37 Flare #8 |
| 22 | 109-0087 | 1 | Asm-Case Drain Hose |
| 23 | 109-0582 | 1 | Hydraulic Tank ASM |
| 23:1 | 116-0404 | 1 | Decal-Hydraulic Tank |
| 23:2 | | 1 | Tank-Hydraulic ● |
| 23:2:1 | 103-1948 | 1 | Cap-Reservoir, HYD |
| 23:2:2 | 103-1949 | 1 | Gasket-Cap |
| 24 | 116-6317 | 1 | Spring-Extension |
| 25 | 1-603991 | 4 | Adapter-Straight |
| 25:1 | 237-80 | 1 | O-Ring |
| 25:2 | 1-603992 | 1 | O-Ring-37 Flare #8 |
| 26 | 3231-31 | 1 | Bolt-Carriage 3/8-16 X 2 1/2 |
| 27 | 109-6905 | 1 | Asm, Charge Hose |
| 27:1 | 103-2259 | 1 | Head-Filter |
| 27:2 | 109-6904 | 1 | Asm, Filter Inlet Hose |
| 27:3 | 109-6903 | 1 | Hose, Pump Inlet |
| 27:4 | 1-603990 | 1 | Adapter-Straight |
| 27:4:1 | 1-603920 | 1 | O-Ring-Sae #8 |
| 27:4:2 | 1-603992 | 1 | O-Ring-37 Flare #8 |
| 27:5 | 103-2146 | 1 | Element-Hydraulic Oil Filter |
| 28 | 109-3250 | 1 | Asm, Pump Idler W/Bearings |
| 29 | 103-7569-03 | 1 | Arm, Pump Idler |
| 30 | 116-0888 | 1 | Idler,Flanged |
| 31 | 109-7582 | 1 | Belt, Hydro Pump Drive |

● Not serviced separately

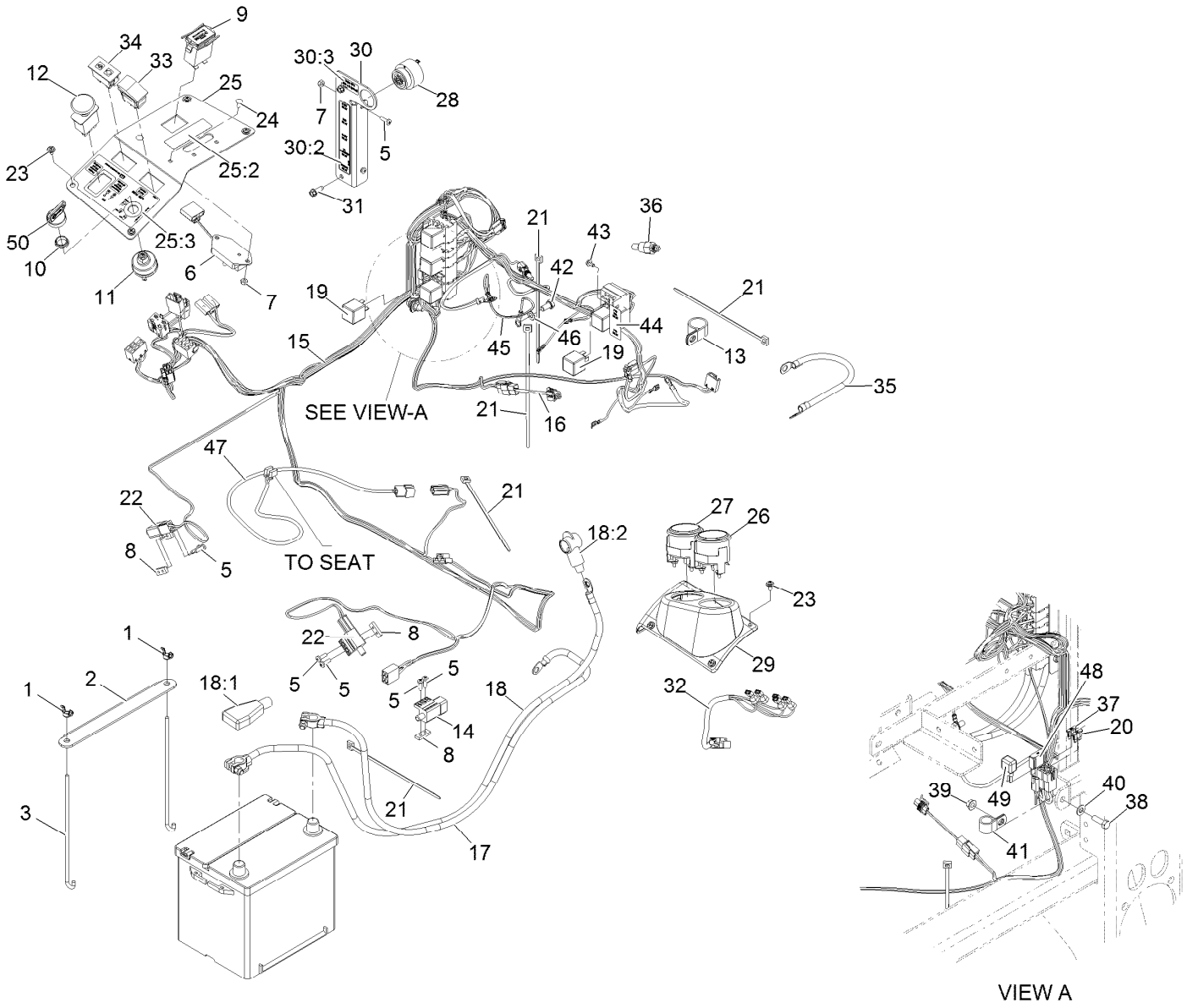



# Hydraulic Assembly (continued)

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 32 | 109-7561 | 2 | Sheave, Hydro Pump |
| 33 | 103-1940 | 2 | Adapter-Straight |
| 33:1 | 237-79 | 1 | O-Ring |
| 33:2 | 1-603992 | 1 | O-Ring-37 Flare #8 |
| 34 | 103-4680 | 4 | HYD Hose ASM |
| 35 | 103-4728 | 1 | Asm, Lower Frame Idler |
| 35:2 | 251-347 | 1 | Bearing-Ball Deep Groove |
| 35:3 | 32151-13 | 2 | Ring-Retaining |
| 36 | 103-4566 | 1 | Spacer, Lower Frame Idler |
| 37 | 323-11 | 1 | Screw-HH 3/8-16 X 2 1/4 |
| 38 | 32128-20 | 3 | Nut-Whizlock 5/16-18 |
| 39 | 103-3186 | 1 | Spacer-Bracket, Guide |
| 40 | 3231-6 | 1 | Bolt-Carriage 3/8-16 X 2 |
| 41 | 109-0089-03 | 1 | Bracket, Hydraulic Tank |
| 42 | 109-6658 | 2 | Nut-Nyloc 3/8-16 Flg |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 43 | 109-8753 | 2 | Spacer |
| 44 | 109-8752 | 2 | Spacer |
| 45 | 112-9771 | 2 | Washer-Teflon |
| 46 | 5-0838 | 1 | Washer |
| 48 | 32144-70 | 2 | Screw-HWH 5/16-18 X 3/4 Tf |
| 49 | 112-8358 | 1 | HYD Motor ASM (CW) |
| 49:1 | 3257-42 | 1 | Key-Woodruff 5/16 X 1 |
| 49:2 | 1-809036 | 1 | Nut-Slotted 1-20 |
| 49:3 | 109-5966 | 1 | Wheel Motor Seal Kit |
| 50 | 112-8357 | 1 | HYD Motor ASM (CCW) |
| 50:1 | 3257-42 | 1 | Key-Woodruff 5/16 X 1 |
| 50:2 | 1-809036 | 1 | Nut-Slotted 1-20 |
| 50:3 | 109-5966 | 1 | Wheel Motor Seal Kit |

● Not serviced separately

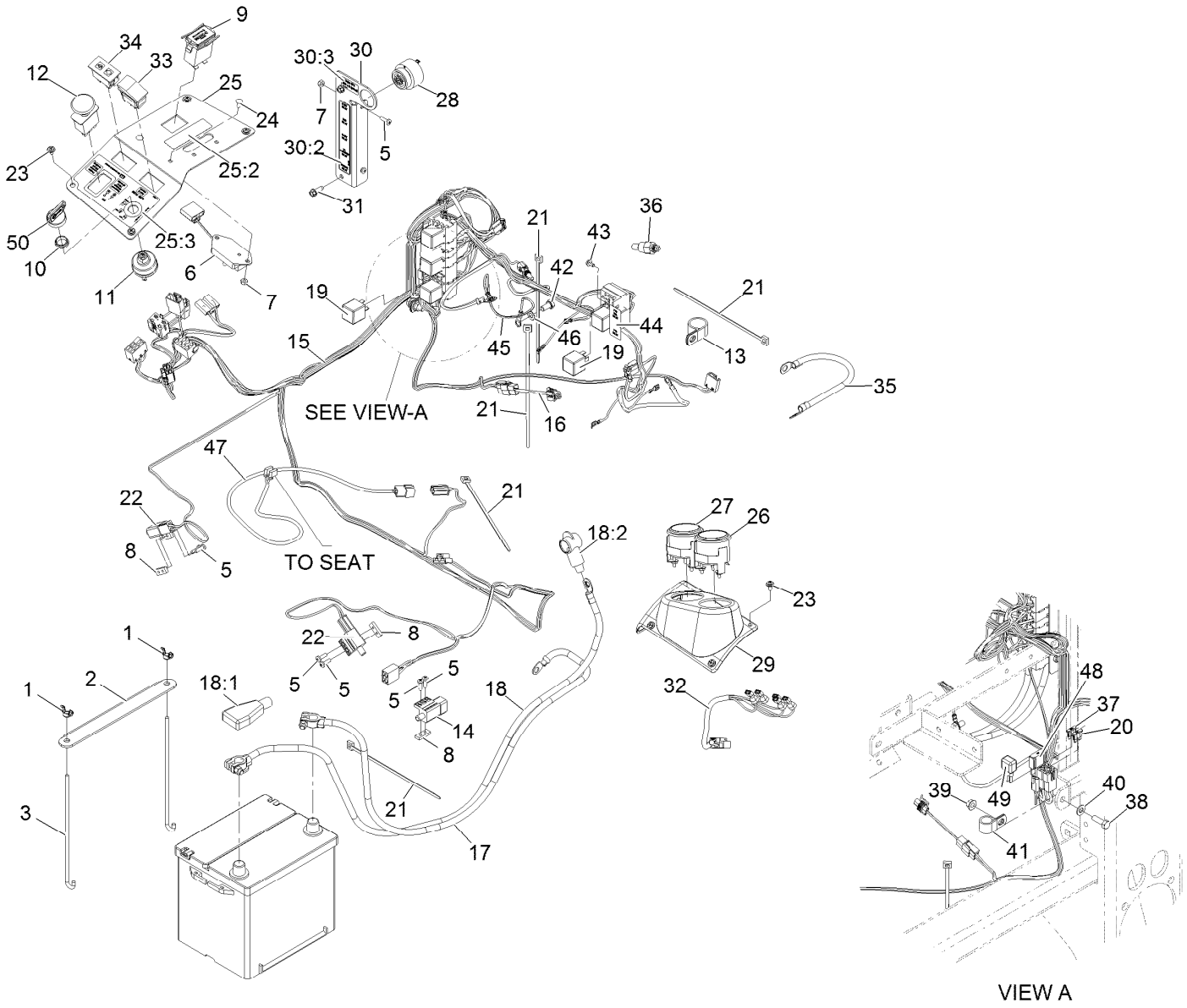



# Electrical Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 1-543792 | 2 | Wingnut-Nyloc 1/4-20 |
| 2 | 103-1311-03 | 1 | Holddown-Battery |
| 3 | 103-1312 | 2 | Bolt-Holddown |
| 5 | 3290-500 | 8 | Screw-PPH #10-24 X 5/8 |
| 6 | 103-5218 | 1 | Module-Delay, Seat |
| 7 | 3296-2 | 4 | Nut-Nyloc #10-24 |
| 8 | 1-633181 | 3 | Plate-Tapped |
| 9 | 1-513374 | 1 | Meter-Engine Hours |
| 10 | 103-0498 | 1 | Nut-Ignition |
| 11 | 103-0206 | 1 | Switch-Ignition W/Keys |
| 12 | 114-0279 | 1 | Switch-PTO |
| 13 | 1-643312 | 1 | Clip-Loom |
| 14 | 1-633111 | 1 | Switch |
| 15 | 116-8236 | 1 | Harness,Wiring-Lzds Kubota ▲ |
| 16 | 110-8808 | 1 | Harness-Wire |
| 17 | 109-3074 | 1 | Cable, Ground (-) |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 18 | 109-7607 | 1 | Asm, Cable-Battery (+) ● |
| 18:1 | 103-1340 | 1 | Insulator-Terminal, Battery |
| 18:2 | 103-1420 | 1 | Insulator-Starter |
| 19 | 1-643275 | 7 | Relay-12Vdc 40 Amp |
| 20 | 1-816001 | 1 | Fuse-Blade Type, 20 Amp |
| 21 | 1-303335 | 5 | Tie-Cable 7 15/16 (Large) |
| 22 | 1-513051 | 2 | Switch-N.O. |
| 23 | 109-2661 | 8 | Screw-PPH #10-24 X 1/2 |
| 24 | 1-807513 | 2 | Bolt-Carriage #10-24 X 1/2 |
| 25 | 116-5139 | 1 | Control Panel W/Decals |
| 25:2 | 103-1798 | 1 | Decal, Throttle |
| 25:3 | 116-5185 | 1 | Decal-Control Panel |
| 26 | 1-643021 | 1 | Gauge-Temperature |
| 27 | 1-643037 | 1 | Gauge-Voltmeter |
| 28 | 103-0205 | 1 | Alarm-Dual Tone 12Vdc |
| 29 | 103-3684 | 1 | Bezel, Gauge |
| 30 | 109-3495 | 1 | Asm, Relay Mount Bracket |

● Includes insulators
■ Use a Teflon Pipe Sealant or equivalent on threads.
▲ Use dielectric grease on all unsealed connectors and terminals only. Do not apply in sealed connectors.




# Electrical Assembly (continued)

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 30:2 | 109-2951 | 1 | Decal, Relay |
| 30:3 | 109-2478 | 1 | Decal, 3850 Rpm |
| 31 | 49-2040 | 2 | Screw-HWH 1/4-20 X 3/4 Tf |
| 32 | 103-4339 | 1 | Harness-Gauge ▲ |
| 33 | 110-0811 | 1 | Switch-Rocker |
| 34 | 109-2488 | 1 | Cluster, Lights |
| 35 | 103-1349 | 1 | Cable-Engine Negative |
| 36 | 103-7886 | 1 | Sender, Temperature ■ |
| 37 | 103-1368 | 1 | Fuse-40 Amp |
| 38 | 322-5 | 1 | Screw-HH 5/16-18 X 1 |
| 39 | 32128-20 | 1 | Nut-Whizlock 5/16-18 |
| 40 | 3256-23 | 1 | Washer-5/16 Sae |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 41 | 1-633396 | 1 | Clip-Loom 5/8 |
| 42 | 33114-016 | 1 | Screw-HH M8-1.25 X 16Mm |
| 43 | 104-2065 | 2 | Screw-HWH #10-24 X 3/8 |
| 44 | 116-5074 | 1 | Decal-Relay Diesel |
| 45 | 116-5163 | 1 | Ground Wire ASM |
| 46 | 3255-8 | 1 | Washer-Lock 5/16 (Ext-Tooth) |
| 47 | 103-1227 | 1 | Harness-Wiring, Seat ▲ |
| 48 | 94-8002 | 1 | Fuse-Blade, 50 Amp |
| 49 | 100-4918 | 1 | Diode-Over Molded |
| 50 | 103-2106 | 1 | Key-Exmark Logo |

● Includes insulators
■ Use a Teflon Pipe Sealant or equivalent on threads.
▲ Use dielectric grease on all unsealed connectors and terminals only. Do not apply in sealed connectors.

## Notes:

## Notes:

## Notes:

EXMARK® MAINTENANCE

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### 4-CYCLE PREMIUM ENGINE OIL
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Both SAE 30 and SAE 10W-30 in one bottle.

Contains increased levels of zinc and phosphorus for better lubricity.

No Viscosity Index Improvers that tend to shear down in high heat.

Synthetic formulation.

Gas & Diesel compatible.

Anti-corrosion additives.

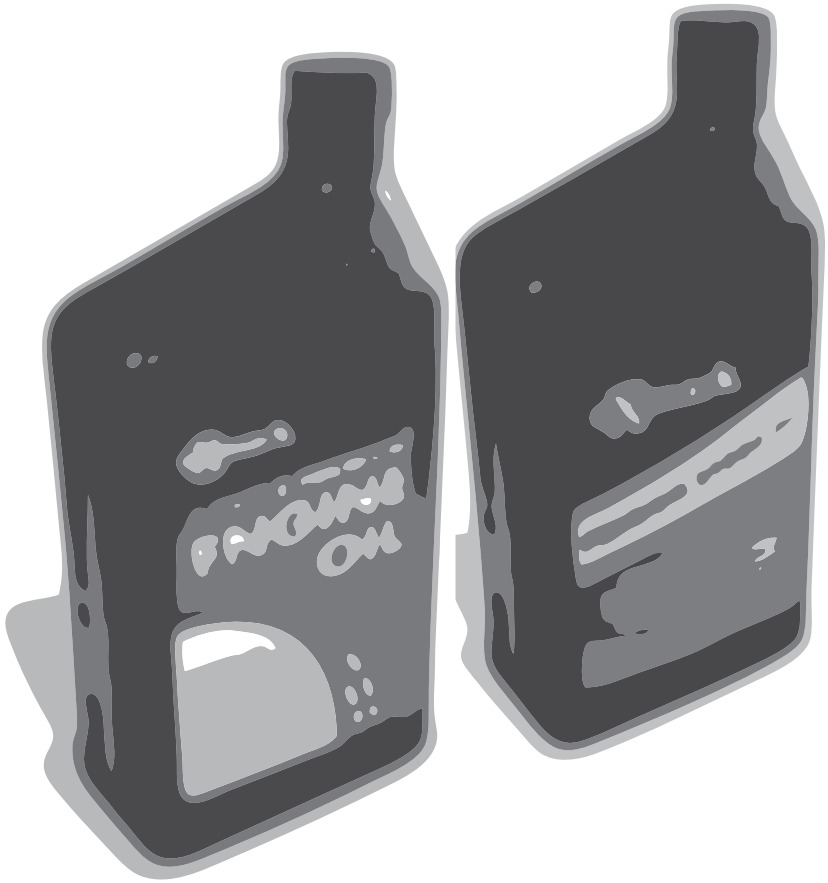
API 'SL' and JASO rated with wet clutch compatibility for other machines.

### PREMIUM HYDRO OIL
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Commercial quality for tough, high-heat conditions.

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CUSTOM RIDE SEAT SUSPENSION SYSTEM
FULL SUSPENSION SEAT
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HITCH KIT
LIGHT KIT
12V POWER PORT
MICRO-MULCH SYSTEM
OPERATOR CONTROLLED DISCHARGE
SUN SHADE
TRASH CONTAINER
TURF STRIPER
ULTRA VAC COLLECTION SYSTEM
ULTRA VAC QUICK DISPOSAL SYSTEM

## OUT-FRONT RIDING ACCESSORIES AND OPTIONS

CUSTOM RIDE SEAT SUSPENSION SYSTEM
DUAL-TAIL WHEEL
FLOOR PAN EXTENDER
HITCH KIT
LIGHT KIT
MICRO-MULCH SYSTEM
ROLL OVER PROTECTION SYSTEM (ROPS)
SNOW BLADE
SNOWBLOWER
SUN SHADE
TRASH CONTAINER
ULTRA VAC COLLECTION SYSTEM
ULTRA VAC QUICK DISPOSAL SYSTEM
WEATHER CAB

## WALK-BEHIND ACCESSORIES AND OPTIONS

GRASS CATCHER
MICRO-MULCH SYSTEM
TURF STRIPER
STANDON

*Some accessories and options not available for some models.

Place Model No. and Serial No. Label Here (Included in the Literature Pack) or Fill in Below

Model No. _____

Serial No. _____

Date Purchased _____

Engine Model No. and Spec. No. _____

Engine Serial No. (E/No) _____

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