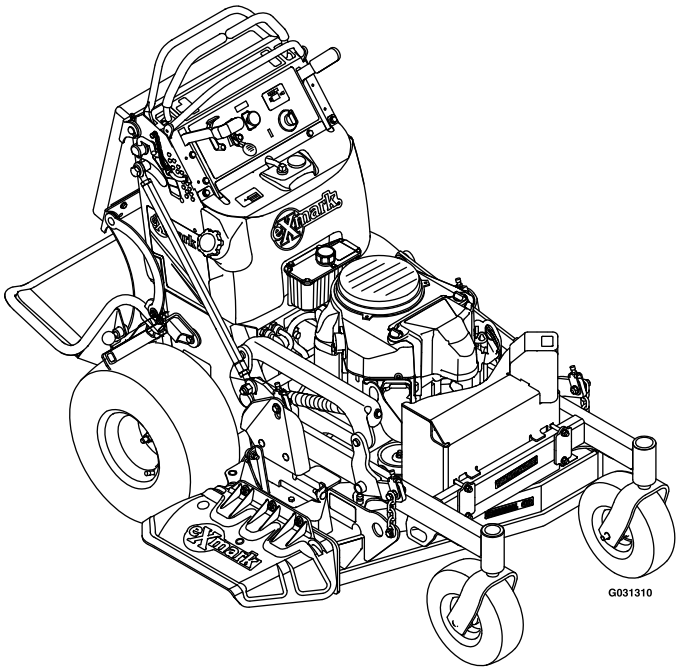
# VANTAGE® S-SERIES

**Model No. VTS541CKA36300—Serial No. 316000000 and Up**

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




# Parts Manual

Part No. 4502-639 Rev. A

# 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).

**© 2015—Exmark Mfg. Co., Inc.**
**Industrial Park Box 808**
**Beatrice, NE 68310**



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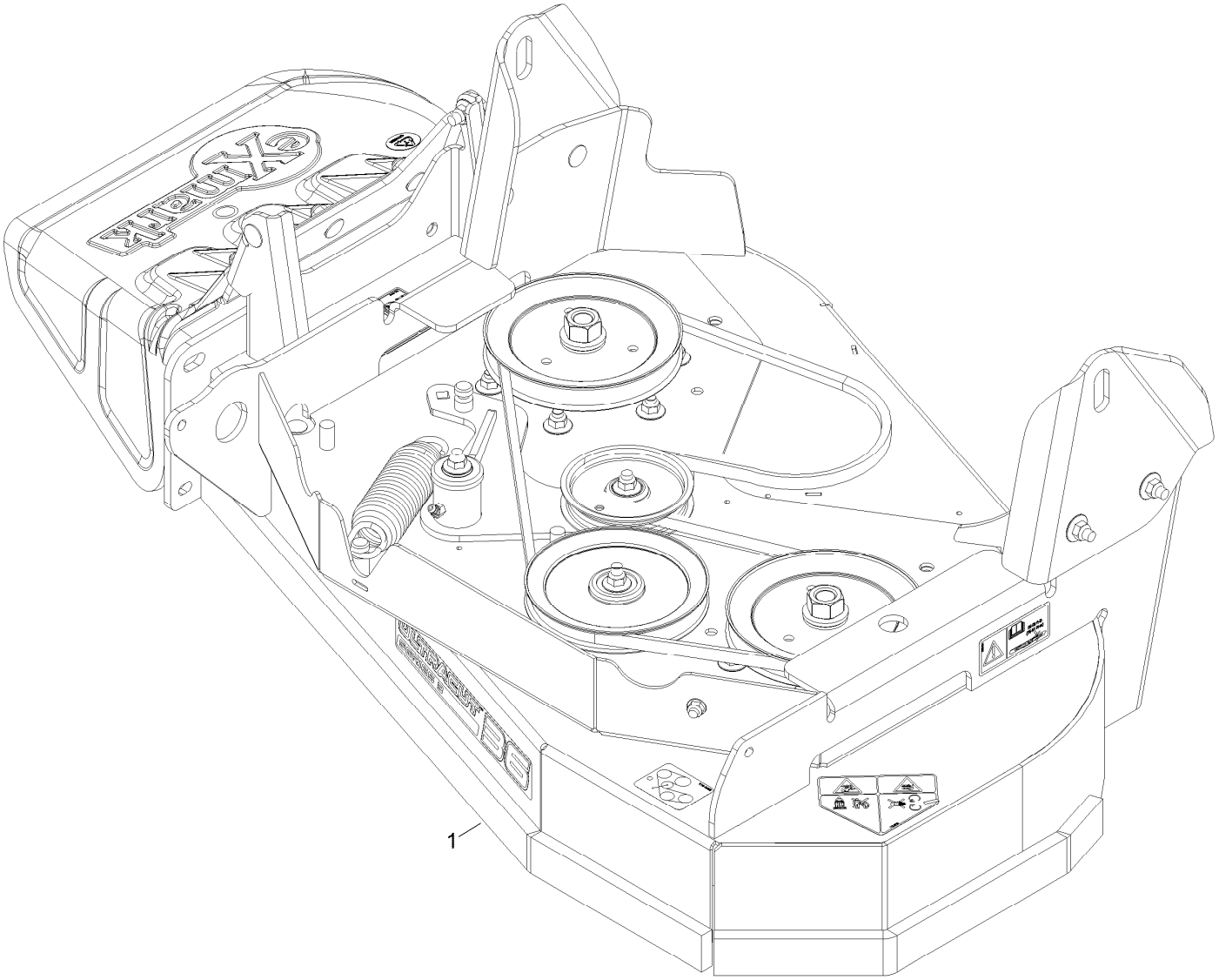



If your Exmark dealer does not have the Exmark part in stock, Exmark will get the parts to the dealer the next business day or the part will be FREE Guaranteed!! (Some restrictions apply. See your participating Exmark Dealer for details.)

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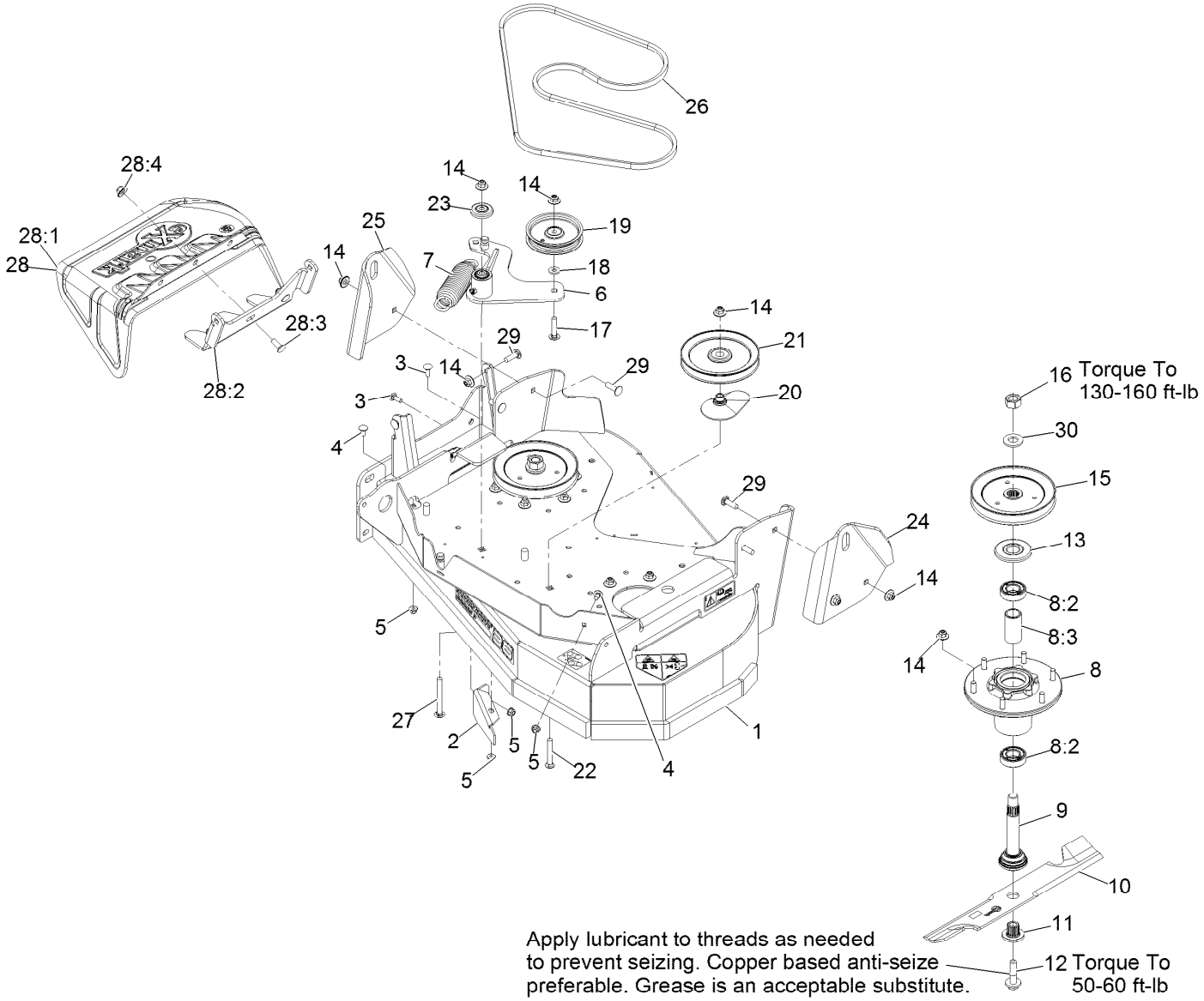
# Complete Deck Assembly



# Complete Deck Assembly (continued)

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 116-4301 | 1 | ASM,Deck Complete 363 |

# Deck Assembly

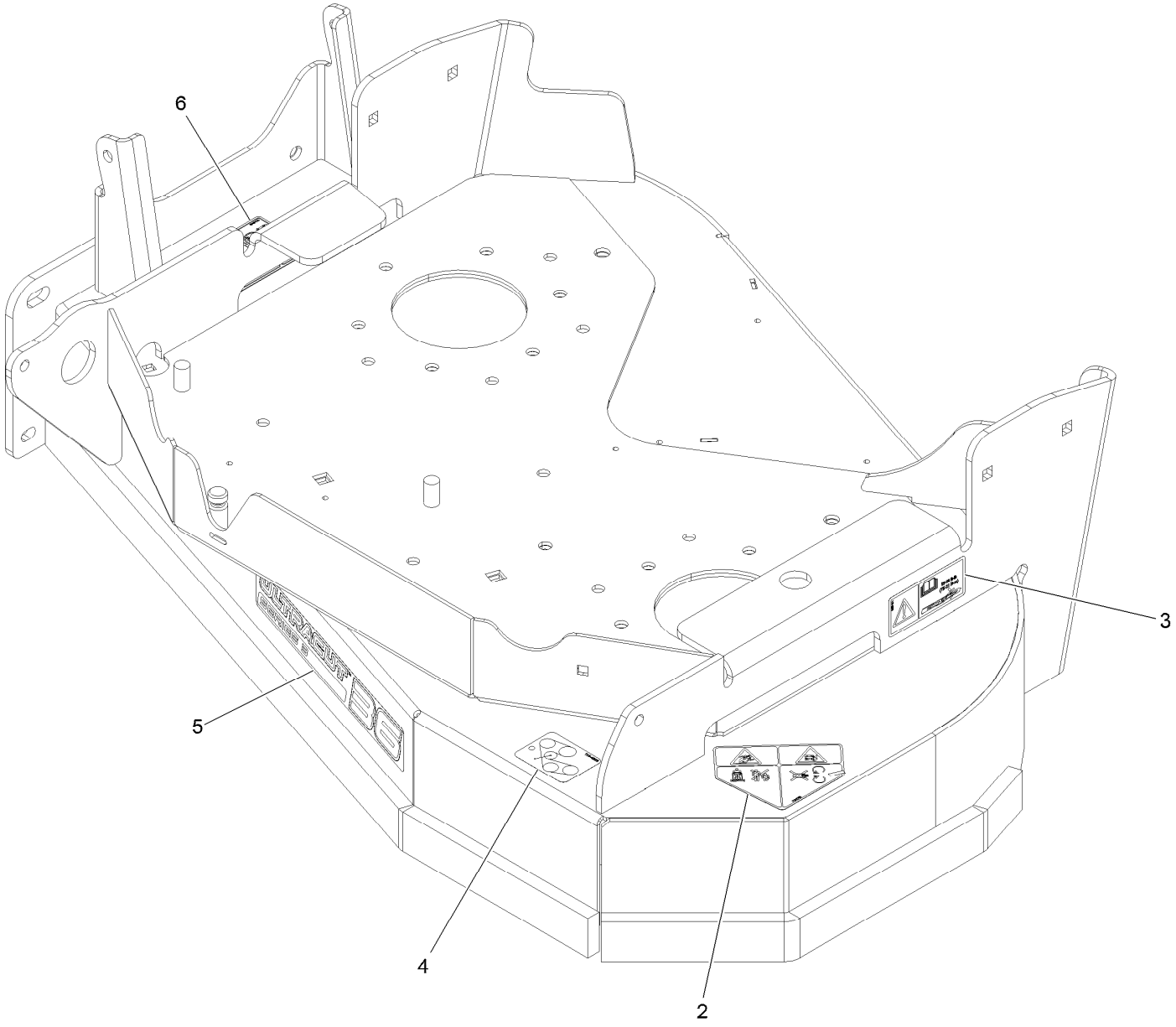


# Deck Assembly (continued)

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 116-3662 | 1 | Deck ASM - 36 |
| 2 | 116-4244-01 | 1 | Baffle-Dogleg |
| 3 | 3230-16 | 2 | Bolt-Carriage 5/16-18 X 7/8 |
| 4 | 3230-18 | 2 | Bolt-Carriage 5/16-18 X 5/8 |
| 5 | 104-8300 | 4 | Nut-Nyloc 5/16-18 Flg |
| 6 | 116-3680 | 1 | Idler Arm ASM - |
| 7 | 116-6317 | 1 | Spring-Extension |
| 8 | 116-3344 | 2 | ASM-Cutter Hsg With Bearings |
| 8:2 | 116-0720 | 2 | Bearing-Ball |
| 8:3 | 116-3312 | 1 | Spacer-Bearing |
| 9 | 116-3342 | 2 | ASM-Spindle And Seal ■ |
| 10 | 103-6402 | 2 | Blade-Notched |
| 10 | 103-6397 | 2 | Blade, Extreme |
| 10 | 103-6392 | 2 | Blade, Mulching ● |
| 10 | 103-6387 | 2 | Blade, Low Lift |
| 10 | 103-6382 | 2 | Blade, Solid |
| 11 | 103-3037 | 2 | Bushing, Splined |
| 12 | 109-9220 | 2 | Screw-Sems 1/2-20 X 2.19 |
| 13 | 116-1286 | 2 | Guard,Bearing Top .989 |
| 14 | 109-6658 | 21 | Nut-Nyloc 3/8-16 Flg |
| 15 | 116-0675 | 2 | Sheave,Blade Drive 6.50 ■ |
| 16 | 116-7306 | 2 | Nut-Hex |
| 17 | 3231-5 | 1 | Bolt-Carriage 3/8-16 X 1 3/4 |
| 18 | 43-0940 | 1 | Spacer |
| 19 | 93-1622 | 1 | Pulley-Idler |
| 20 | 109-2872 | 1 | Spacer-Pulley |
| 21 | 116-3592 | 1 | Pulley-Idler |
| 22 | 3231-31 | 1 | Bolt-Carriage 3/8-16 X 2 1/2 |
| 23 | 103-2916 | 1 | Guard-Top |
| 24 | 116-3675-01 | 1 | Push-Tower,LH 36 |
| 25 | 116-3676-01 | 1 | Push-Tower,RH 36 |
| 26 | 116-3703 | 1 | Belt-V |
| 27 | 116-1502 | 1 | Bolt-Carriage Shoulder 3/8-16 X 3 1/2 |
| 28 | 116-4230 | 1 | Chute - Discharge ASM |
| 28:1 | 109-2738 | 1 | Chute, Discharge |
| 28:2 | 116-4229-01 | 1 | Bracket-Chute, Discharge |
| 28:3 | 3231-22 | 3 | Bolt-Carriage 3/8-16 X 1 |
| 28:4 | 109-6658 | 3 | Nut-Nyloc 3/8-16 Flg |
| 29 | 3231-28 | 6 | Bolt-Carriage 3/8-16 X 1 1/4 |
| 30 | 103-2802 | 2 | Washer-Spring Disc 3/4 |

● Requires installation of mulch kit for proper mulching. See your Exmark dealer for details.
■ Apply Mobil HTS grease (P/N 103-5217 1.5 oz packet) (or a food-grade anti-seize). See operator s manual for locations.

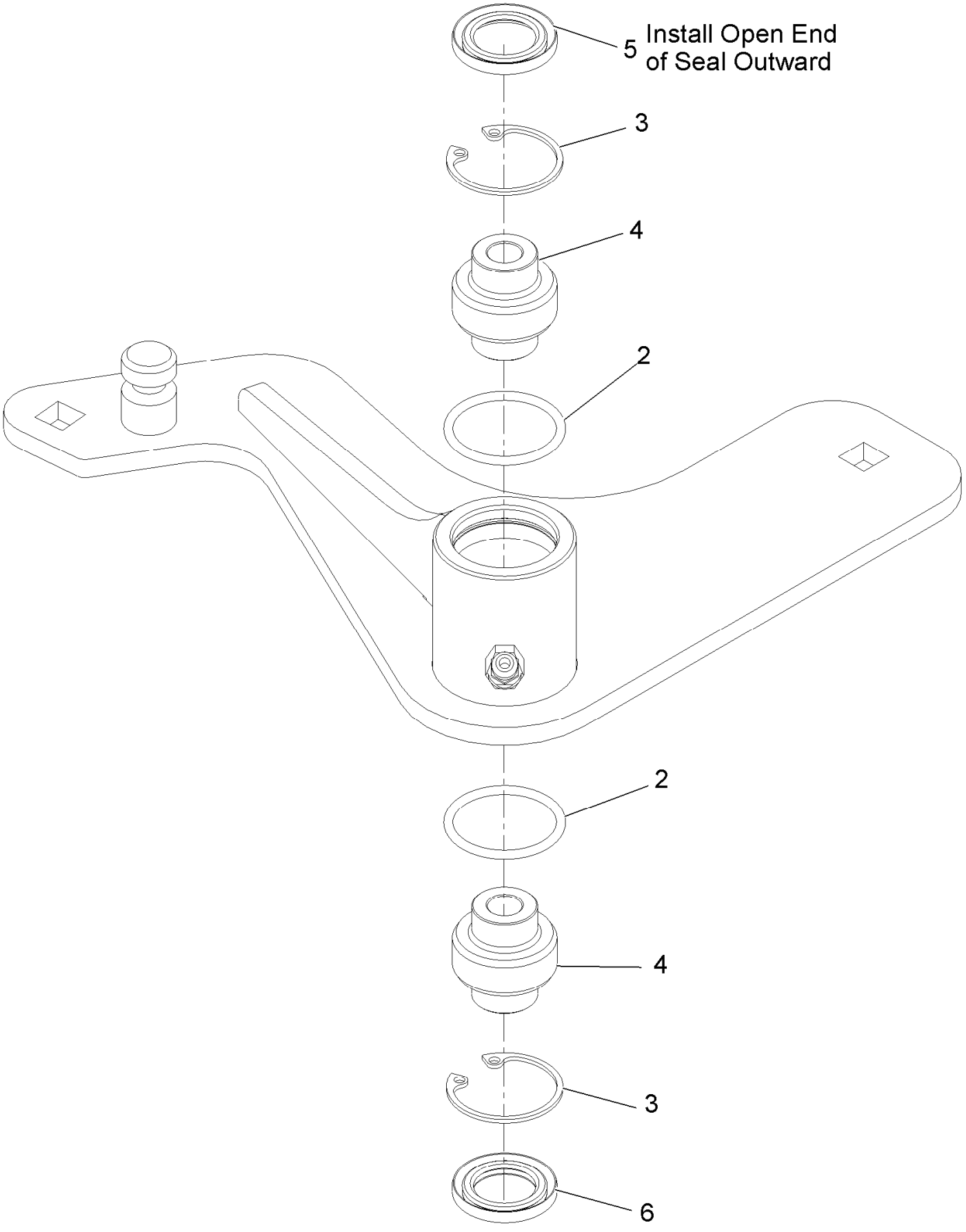
# Deck W/Decals Assembly No. 116-3662



# Deck W/Decals Assembly No. 116-3662 (continued)

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 2 | 112-8760 | 1 | Decal-Danger |
| 3 | 116-8283 | 1 | Decal-Bolt Torque |
| 4 | 116-4298 | 1 | Decal-Belt Routing 36 |
| 5 | 126-6745 | 1 | Decal-Ultracut 36 Series 3 |
| 6 | 121-6049 | 1 | Decal-Danger |

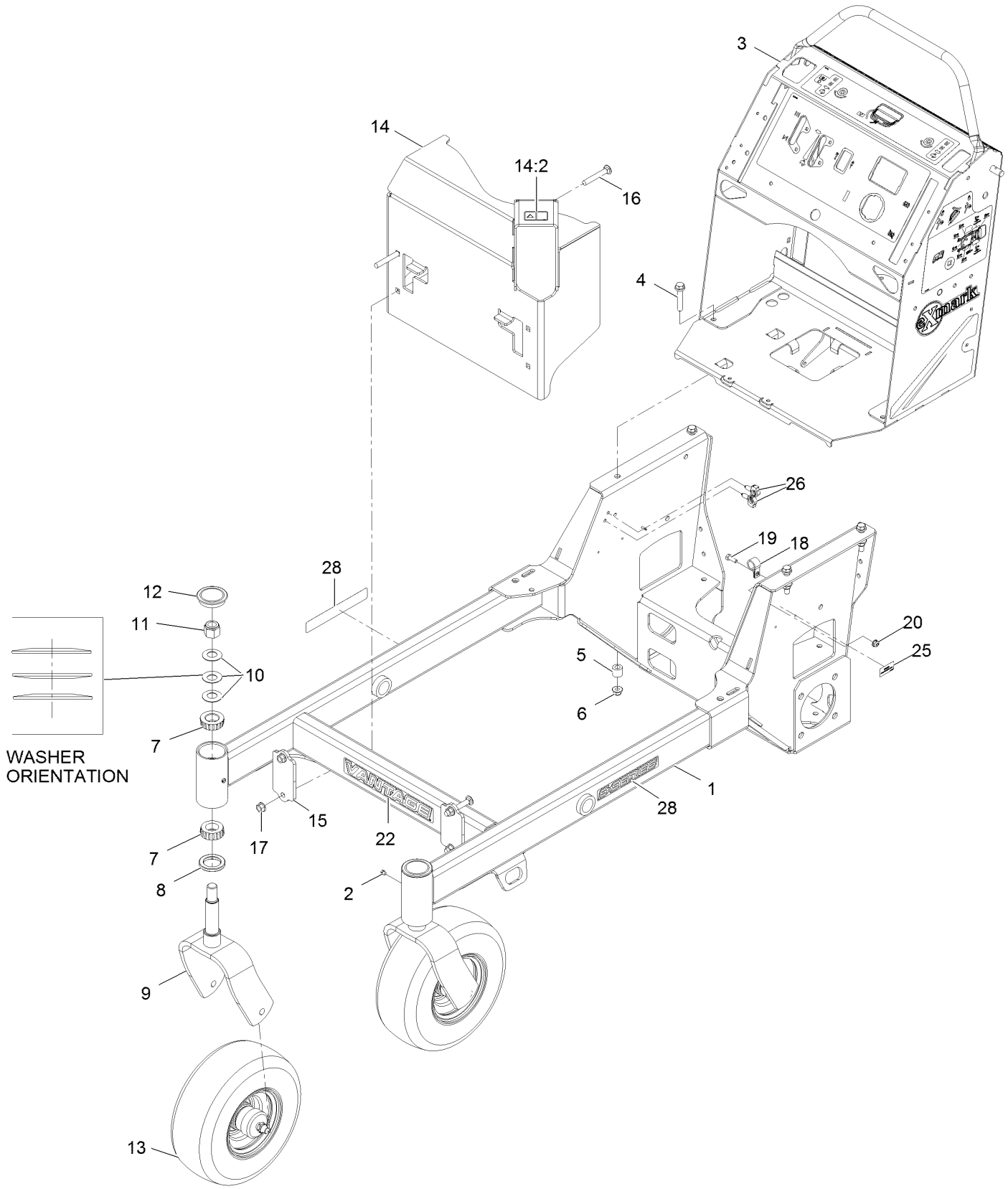
# Idler Arm Assembly No. 116-3680



# Idler Arm Assembly No. 116-3680 (continued)

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

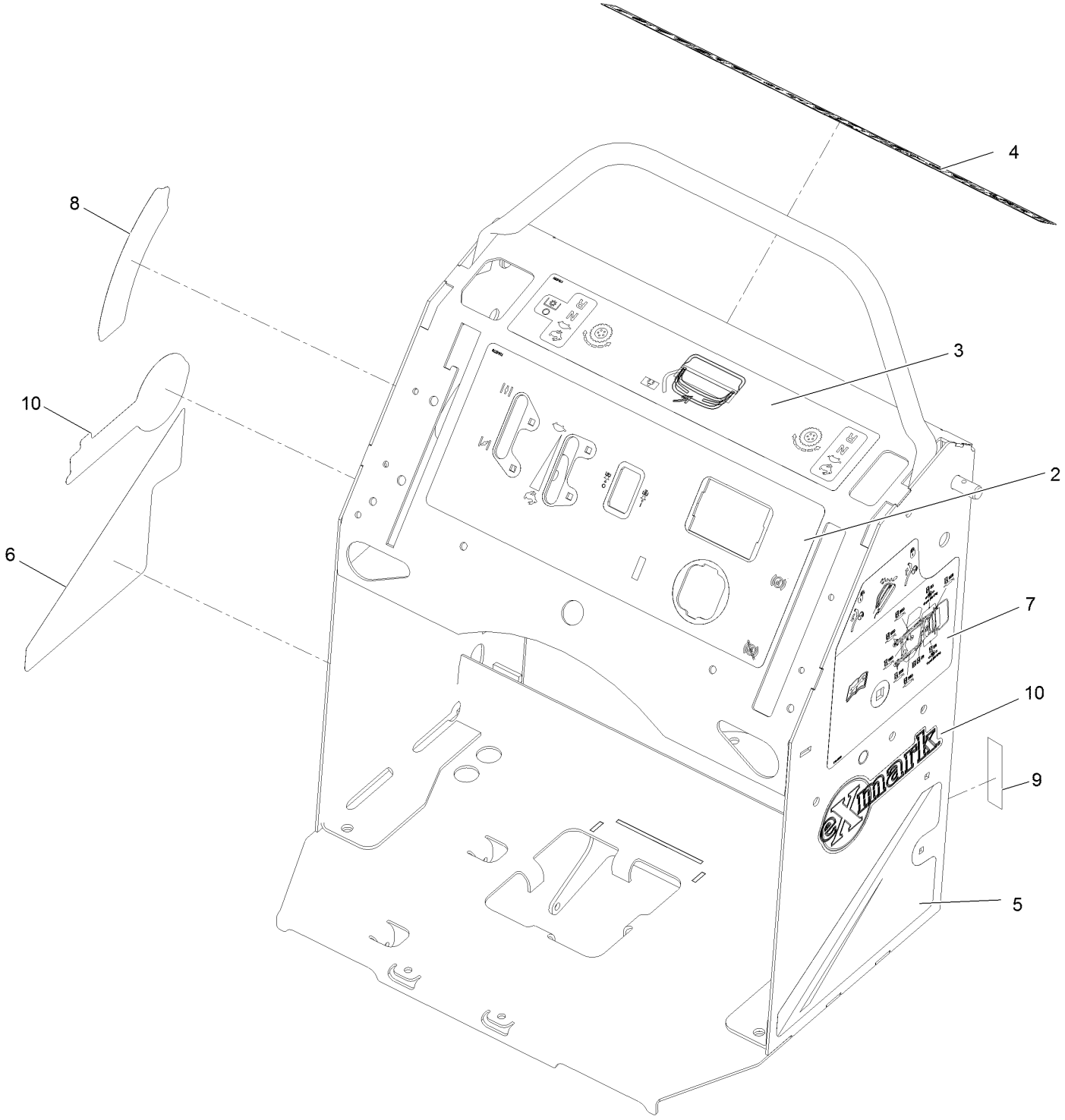
# Main Frame Assembly



# Main Frame Assembly (continued)

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 116-4650-01 | 1 | Frame ASM |
| 2 | 1-811010 | 2 | Plug |
| 3 | 116-6323 | 1 | Control Tower ASM |
| 4 | 108-3742 | 4 | Screw-HH Flg 3/8-16 X 2 |
| 5 | 121-1760 | 4 | Spacer |
| 6 | 104-8301 | 4 | Nut-Nyloc 3/8-16 Flg |
| 7 | 1-543509 | 4 | Cone-Bearing Tapered Roller |
| 8 | 116-5647 | 2 | Seal-Grease |
| 9 | 121-7988-01 | 2 | Fork-Caster |
| 10 | 1-633508 | 6 | Washer-Spring Disc |
| 11 | 3296-51 | 2 | Nut-Nyloc 3/4-10 |
| 12 | 103-4882 | 2 | Cap-Grease |
| 13 | 112-3810 | 2 | Wheel/Tire And Bearing ASM |
| 14 | 116-8739 | 1 | Muffler Guard ASM |
| 14:2 | 106-5517 | 1 | Decal-Warning, Hot Surface |
| 15 | 119-7303-01 | 2 | Bracket-Mounting, Guard |
| 16 | 3231-31 | 4 | Bolt-Carriage 3/8-16 X 2 1/2 |
| 17 | 32128-21 | 4 | Nut-3/8-16 Flanged Side Lock |
| 18 | 2412-87 | 1 | Clamp-Cable |
| 19 | 321-4 | 1 | Screw-HH 1/4-20 X 3/4 |
| 20 | 104-7201 | 1 | Nut-Nyloc 1/4-20 Flg |
| 22 | 126-7200 | 1 | Decal-Vantage Logo |
| 25 | 126-4345 | 1 | Decal-Patent Ttco.Com |
| 26 | 32180-040 | 2 | Clip-Harness |
| 28 | 126-6572 | 2 | Decal-S-Series |

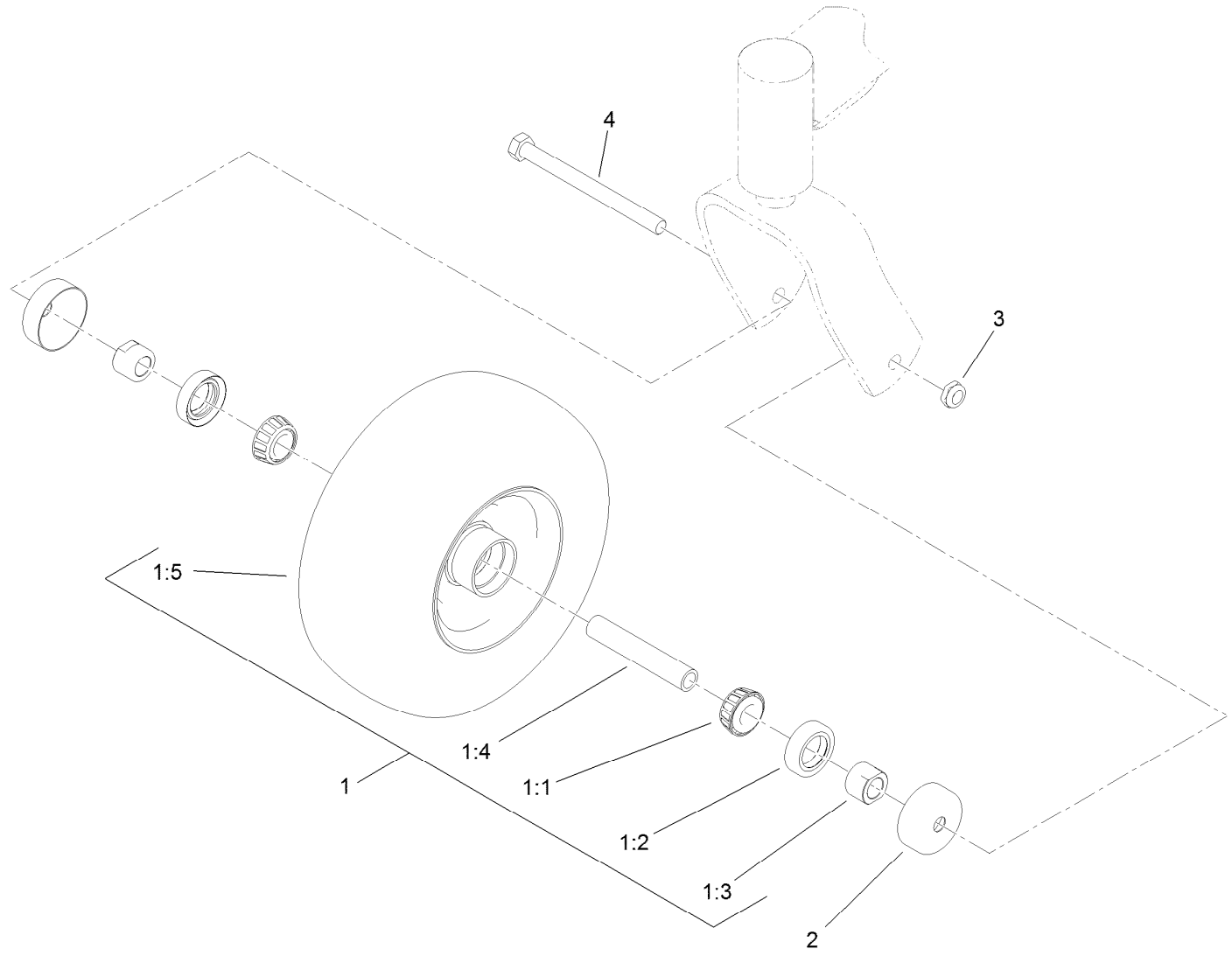
# Control Tower W/Decals Assembly No. 116-6323



# Control Tower W/Decals Assembly No. 116-6323 (continued)

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 2 | 116-8779 | 1 | Decal-Control Panel |
| 3 | 116-8781 | 1 | Decal-Motion Control |
| 4 | 116-8780 | 1 | Decal-Warning |
| 5 | 126-7202 | 1 | Decal-LH Panel |
| 6 | 126-7203 | 1 | Decal-RH Panel |
| 7 | 116-8819 | 1 | Decal-Service Aid |
| 8 | 116-4270 | 1 | Decal-Height Of Cut |
| 9 | 116-8772 | 1 | Decal-Fuse |
| 10 | 126-6971 | 2 | Decal-Exmark Logo |

# Wheel and Bearing Assembly No. 112-3810

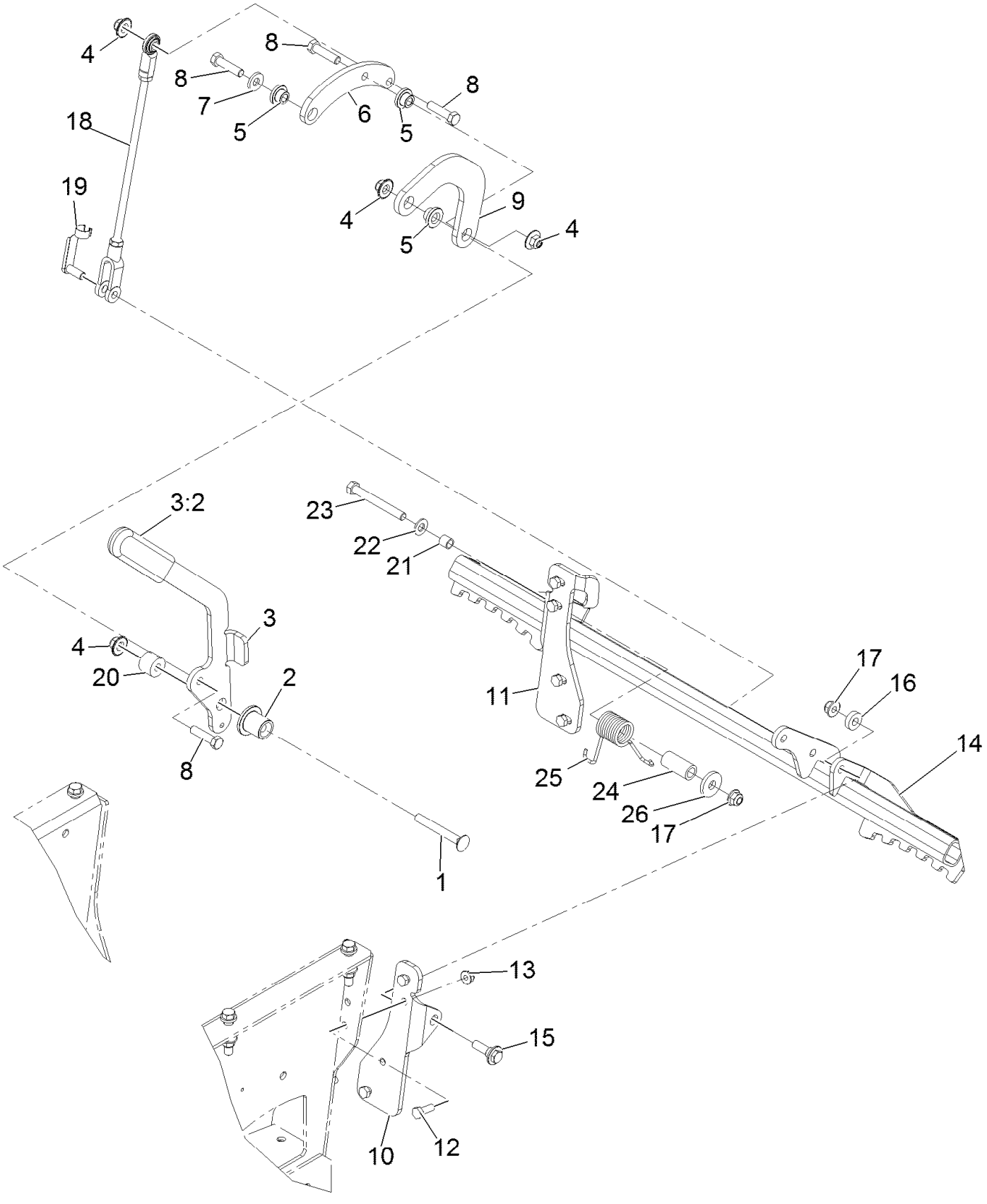


# Wheel and Bearing Assembly No. 112-3810 (continued)

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | | 1 | Wheel And Bearing ASM ● |
| 1:1 | 1-633585 | 2 | Bearing-Cone, Taper |
| 1:2 | 103-0063 | 2 | Seal-Caster |
| 1:3 | 103-3051 | 2 | Spacer-Nut ■ |
| 1:4 | 103-3157 | 1 | Axle-Caster |
| 1:5 | 110-9965 | 1 | Wheel And Tire ASM |
| 2 | 103-2768 | 2 | Guard-Seal |
| 3 | 3296-45 | 1 | Nut-Lock, NI |
| 4 | 325-20 | 1 | Screw-HH |

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

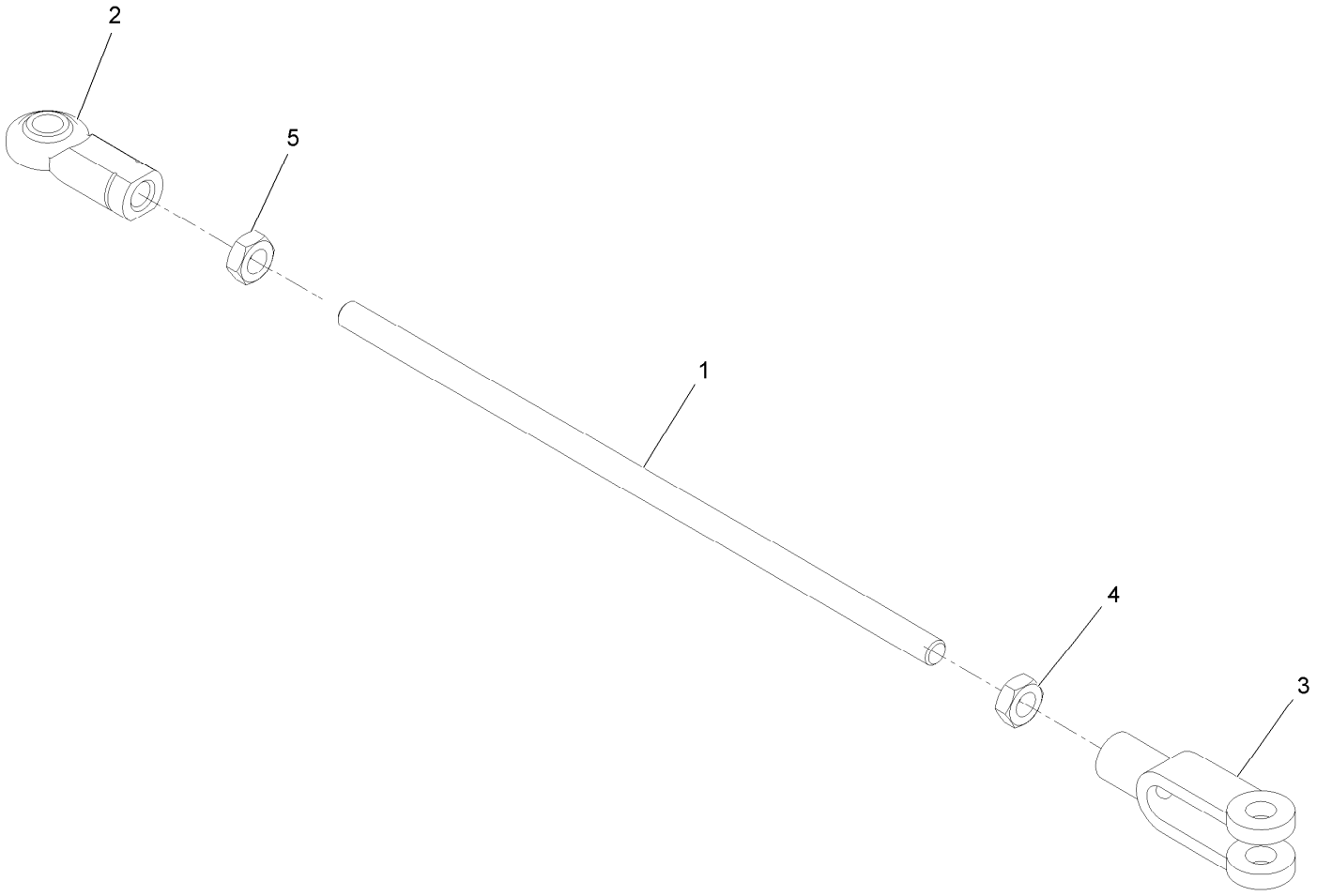
# Park Brake Assembly



# Park Brake Assembly (continued)

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 3231-10 | 1 | Bolt-Carriage 3/8-16 X 3 |
| 2 | 116-4928 | 1 | Bushing-Handle |
| 3 | 116-4680 | 1 | Handle-W/Grip ASM |
| 3:2 | 1-633268 | 1 | Grip-Lever |
| 4 | 109-6658 | 4 | Nut-Nyloc 3/8-16 Flg |
| 5 | 116-4929 | 3 | Bushing-Flanged |
| 6 | 116-4806 | 1 | Arm-Brake Bellcrank |
| 7 | 98-5975 | 1 | Washer-Spring Disc 3/8 |
| 8 | 323-8 | 4 | Screw-HH 3/8-16 X 1 1/2 |
| 9 | 116-4805 | 1 | Link-Brake Handle |
| 10 | 116-4681-01 | 1 | Bracket-Brake Mount, LH |
| 11 | 116-4682-01 | 1 | Bracket-Brake Mount, RH |
| 12 | 322-4 | 8 | Screw-HH 5/16-18 X 7/8 |
| 13 | 104-8300 | 8 | Nut-Nyloc 5/16-18 Flg |
| 14 | 116-4600-03 | 1 | Bar-Brake |
| 15 | 614672 | 1 | Screw-Shoulder 3/8-16 X 1.295 |
| 16 | 5-0652 | 1 | Spacer |
| 17 | 104-8301 | 2 | Nut-Nyloc 3/8-16 Flg |
| 18 | 116-4166 | 1 | ASM-Brake Linkage |
| 19 | 103-2399 | 1 | Pin-Clevis Spring 3/8 |
| 20 | 92-5791 | 1 | Spacer |
| 21 | 117-9684 | 1 | Spacer |
| 22 | 3256-24 | 1 | Washer-3/8 Sae |
| 23 | 323-20 | 1 | Screw-HH 3/8-16 X 3-1/4 |
| 24 | 117-9683 | 1 | Spacer |
| 25 | 108-4052 | 1 | Spring-Torsion |
| 26 | 1-373034 | 1 | Washer |

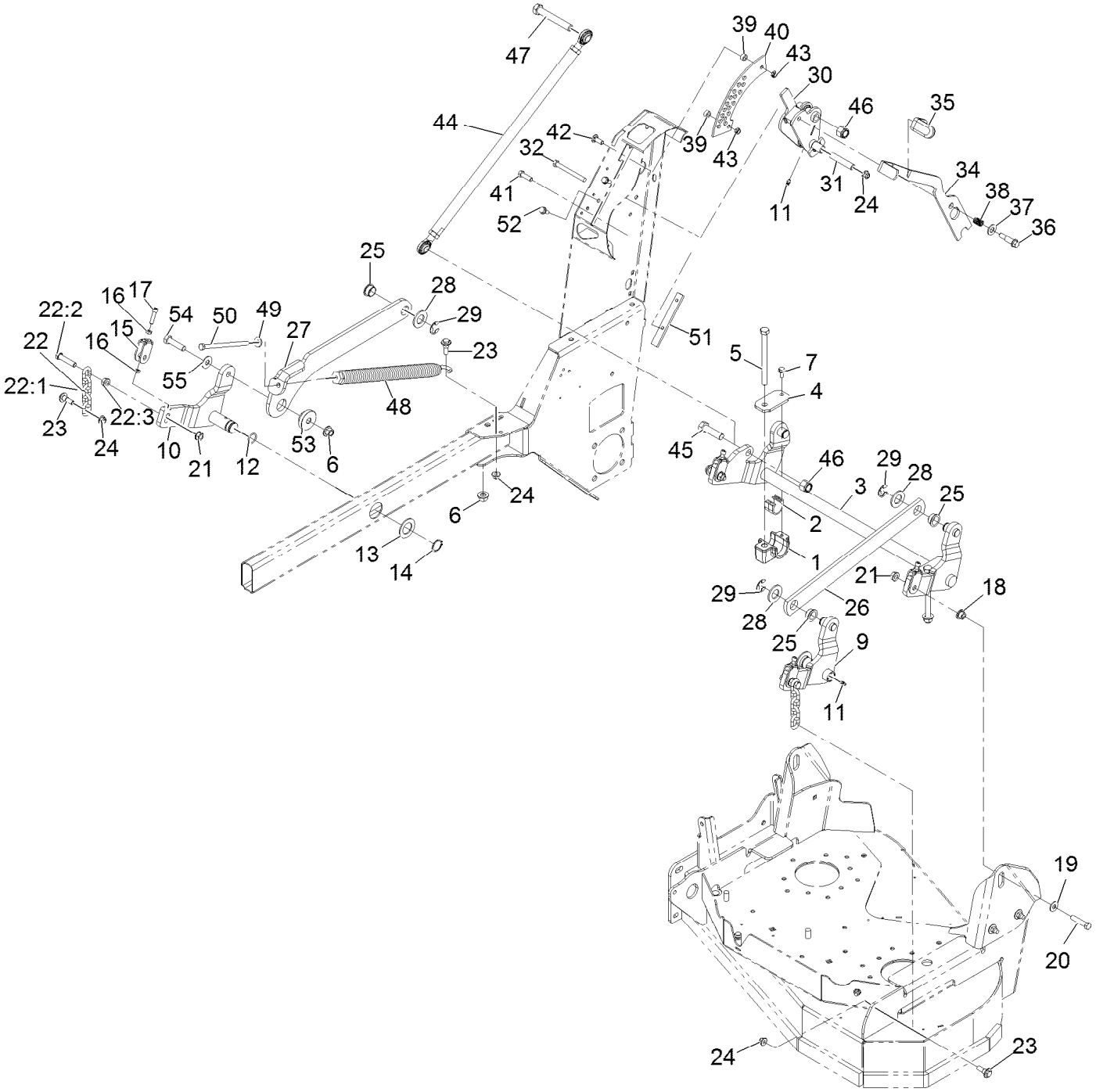
# Brake Linkage Assembly No. 116-4166



# Brake Linkage Assembly No. 116-4166 (continued)

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 116-4818 | 1 | Rod-Brake Linkage |
| 2 | 103-1167 | 1 | Joint-Ball End, .38X.38Fe LH |
| 3 | 1-633131 | 1 | Yoke-Linkage, Brake |
| 4 | 3220-3 | 1 | Nut-Jam 3/8-24 |
| 5 | 3220-16 | 1 | Nut-Jam 3/8-24 LH |

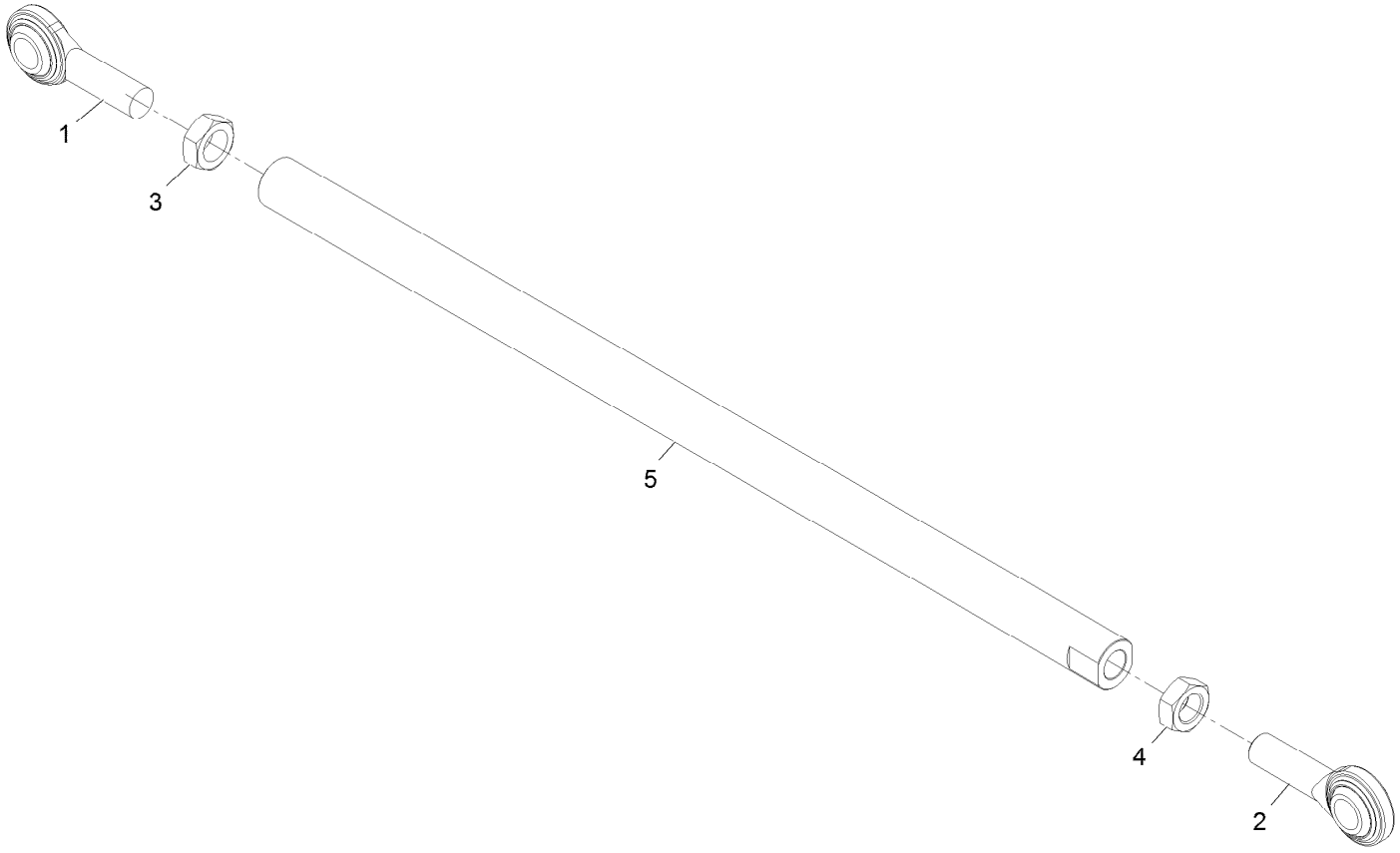
# Deck Lift Assembly



# Deck Lift Assembly (continued)

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 116-4638-01 | 2 | Support-Bearing |
| 2 | 109-9410 | 2 | Bearing-Cross Shaft, Front |
| 3 | 116-3725-01 | 1 | Rear Crossshaft ASM |
| 4 | 116-3733-01 | 2 | Cover-Bearing Support |
| 5 | 325-20 | 2 | Screw-HH 1/2-13 X 6 |
| 6 | 99-5107 | 3 | Nut-Lock 1/2-13 |
| 7 | 100-1668 | 2 | Screw-Flange |
| 9 | 116-4663-01 | 1 | Decklift Arm ASM-LH |
| 10 | 116-4664-01 | 1 | Decklift Arm ASM-RH |
| 11 | 302-5 | 3 | Zerk 1/4-28 Str Thrd Forming |
| 12 | 237-77 | 2 | O Ring |
| 13 | 69-8910 | 2 | Washer |
| 14 | 32120-2 | 2 | Ring-Retaining |
| 15 | 109-9066 | 4 | Yoke-Adjust, Deck |
| 16 | 3218-2 | 8 | Nut-Jam 5/16-18 |
| 17 | 3274-18 | 4 | Screw-Sh 5/16-18 X 1 1/4 |
| 18 | 116-2428 | 2 | Bushing-Flanged |
| 19 | 3256-4 | 2 | Washer-3/8 Std |
| 20 | 109-9065 | 2 | Screw-HH 7/16-14 X 2 |
| 21 | 32128-37 | 4 | Nut-Whizlock 7/16-14 |
| 22 | 116-0756 | 2 | Deck Lift Chain ASM |
| 22:1 | 1-633447 | 1 | Chain-Lift, Deck |
| 22:2 | 109-9065 | 1 | Screw-HH 7/16-14 X 2 |
| 22:3 | 32128-37 | 1 | Nut-Whizlock 7/16-14 |
| 23 | 109-9840 | 3 | Screw-Hex Flange 3/8-16 X .80 |
| 24 | 104-8301 | 4 | Nut-Nyloc 3/8-16 Flg |
| 25 | 116-2909 | 3 | Bearing-Flange |
| 26 | 116-3972-03 | 1 | Link-Decklift, LH |
| 27 | 116-4661-03 | 1 | Link-Decklift, RH |
| 28 | 3256-29 | 3 | Washer-7/8 Sae |
| 29 | 32151-103 | 3 | E-Ring |
| 30 | 116-5602 | 1 | ASM-HOC Handle |
| 31 | 116-4021 | 1 | Bearing-HOC Pivot |
| 32 | 323-42 | 1 | Screw-HH 3/8-16 X 3 3/4 |
| 34 | 114-1878-03 | 1 | Lever-HOC |
| 35 | 1-633268 | 1 | Grip-Lever |
| 36 | 66-0561 | 1 | Screw-Shoulder |
| 37 | 3256-26 | 1 | Washer-1/2 Sae |
| 38 | 65-9940 | 1 | Spring |
| 39 | 111044 | 2 | Bushing |
| 40 | 116-3971 | 1 | Bracket-HOC |
| 41 | 323-7 | 1 | Screw-HH 3/8-16 X 1 1/4 |
| 42 | 3231-22 | 1 | Bolt-Carriage 3/8-16 X 1 |
| 43 | 3296-59 | 2 | Nut-Nyloc 3/8-16 Thin |
| 44 | 116-3975 | 1 | HOC Link ASM |
| 45 | 327-22 | 1 | Screw-HH |
| 46 | 3296-53 | 2 | Nut-Nyloc 5/8-11 |
| 47 | 327-29 | 1 | Screw-HH |
| 48 | 116-0886 | 1 | Extension Spring ASM |
| 49 | 98-5975 | 1 | Washer-Spring Disc 3/8 |
| 50 | 323-58 | 1 | Bolt-HH 3/8-16 X 6 Tap |
| 51 | 116-3124 | 1 | Skid-Handle, Lift |
| 52 | 32144-11 | 2 | Screw-HWH 5/16-18 X 3/4 Tf |
| 53 | 116-4702 | 1 | Bushing-Flanged |
| 54 | 325-8 | 1 | Screw-HH 1/2-13 X 1 1/4 |
| 55 | 3256-5 | 1 | Washer-7/16 Std |

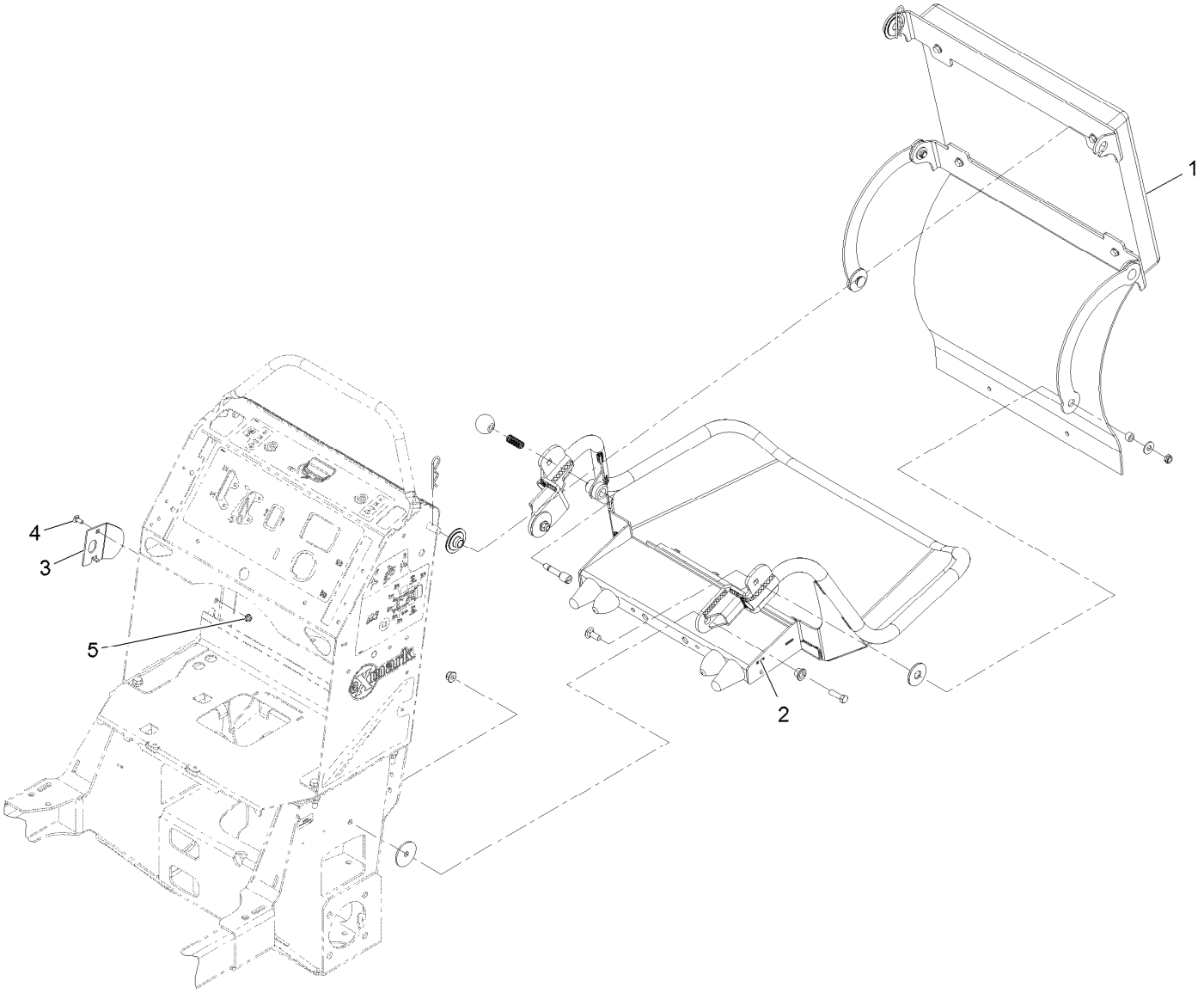
# Height of Cut Link Assembly No. 116-3975



# Height of Cut Link Assembly No. 116-3975 (continued)

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 1-633029 | 1 | Balljoint |
| 2 | 117-5291 | 1 | Balljoint-Spherical |
| 3 | 3220-6 | 1 | Nut-Jam |
| 4 | 117-5293 | 1 | Nut-Jam |
| 5 | 116-5488 | 1 | Link-Height Of Cut |

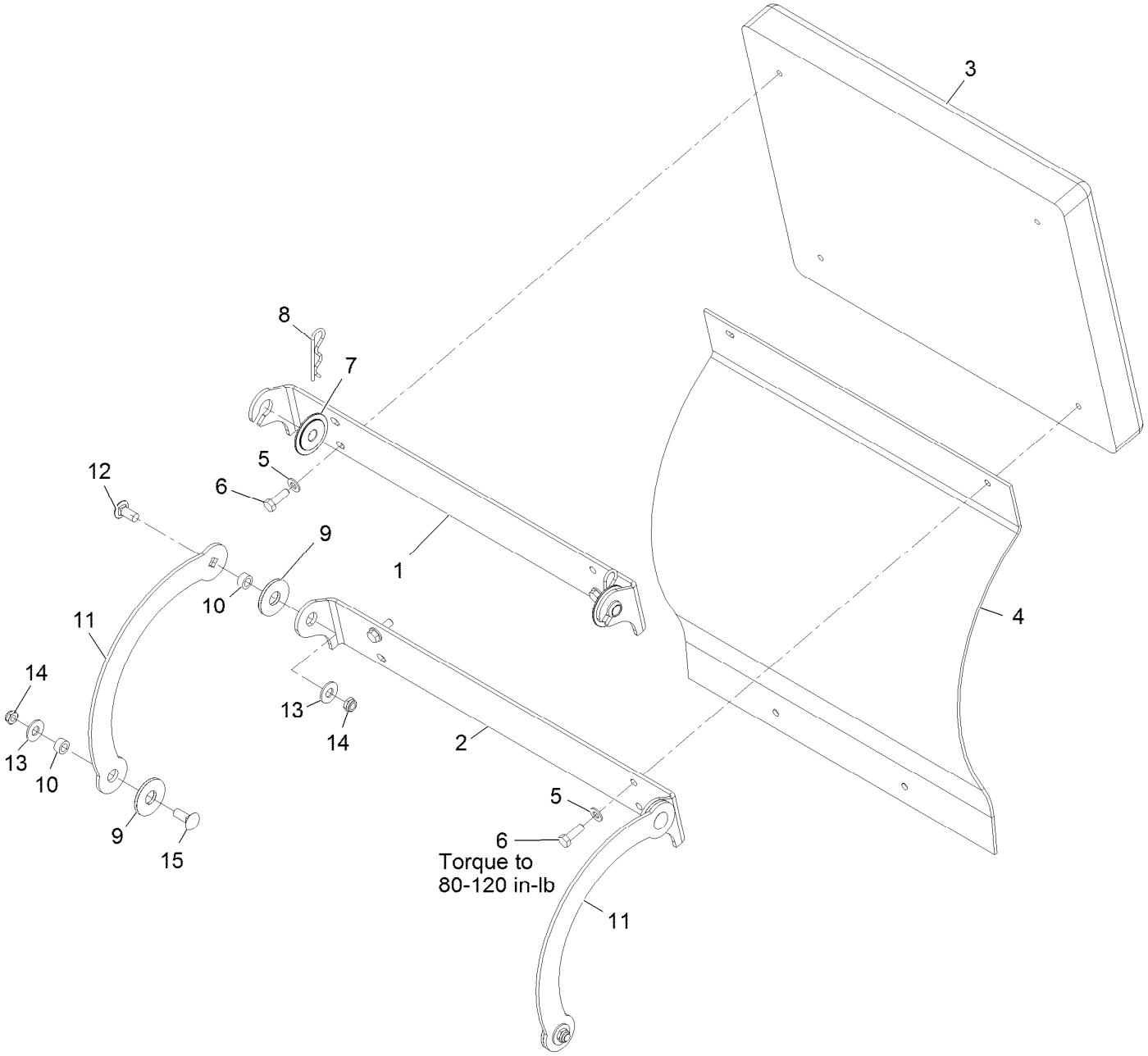
# Platform Assembly



# Platform Assembly (continued)

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 126-1210 | 1 | ASM, Cushion |
| 2 | 116-3523 | 1 | Platform ASM |
| 3 | 119-7312 | 1 | Plate-Striker |
| 4 | 3229-11 | 1 | Bolt-Carriage 1/4-20 X 5/8 |
| 5 | 104-7201 | 1 | Nut-Nyloc 1/4-20 Flg |

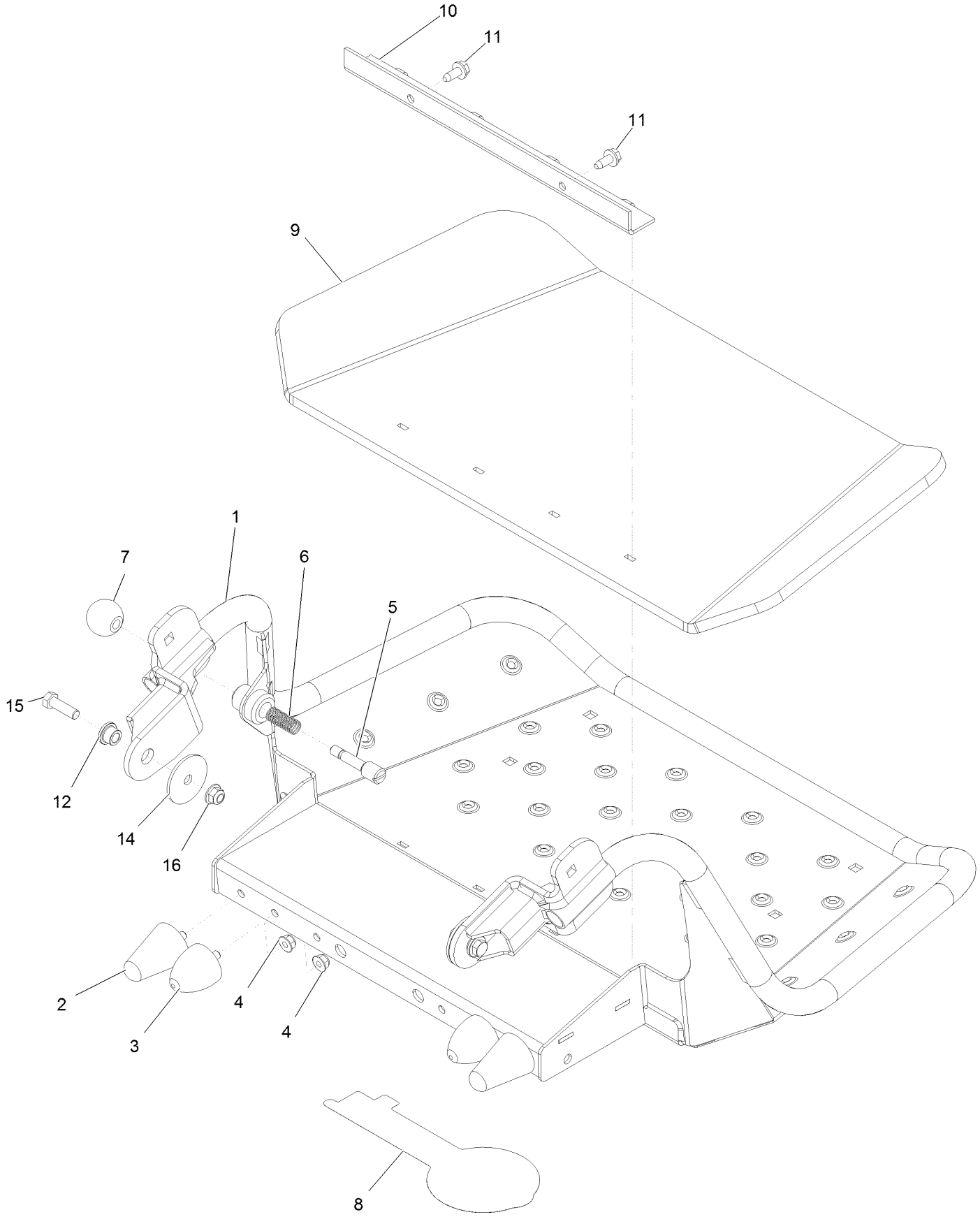
# Cushion Assembly No. 126-1210



# Cushion Assembly No. 126-1210 (continued)

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 116-2757-03 | 1 | Hinge-Pad |
| 2 | 116-2061-03 | 1 | Hinge-Pad |
| 3 | 116-1790 | 1 | Pad,Grey Cushion |
| 4 | 126-0362 | 1 | Shield, Rear |
| 5 | 3256-23 | 4 | Washer-5/16 Sae |
| 6 | 116-0648 | 4 | Screw-HH 5/16-18 X 1 W/Patch |
| 7 | 116-2886 | 2 | Slide-Bushing |
| 8 | 3290-355 | 2 | Pin-Hair |
| 9 | 114-0463 | 4 | Washer-Friction, Composite |
| 10 | 111044 | 4 | Bushing |
| 11 | 114-1915-03 | 2 | Link-Pad |
| 12 | 3231-27 | 2 | Bolt-Carriage 3/8-16 X 7/8 |
| 13 | 3256-4 | 4 | Washer-3/8 Std |
| 14 | 3296-59 | 4 | Nut-Nyloc 3/8-16 Thin |
| 15 | 3231-2 | 2 | Bolt-Carriage 3/8-16 X 1 |

# Platform Assembly No. 116-3523

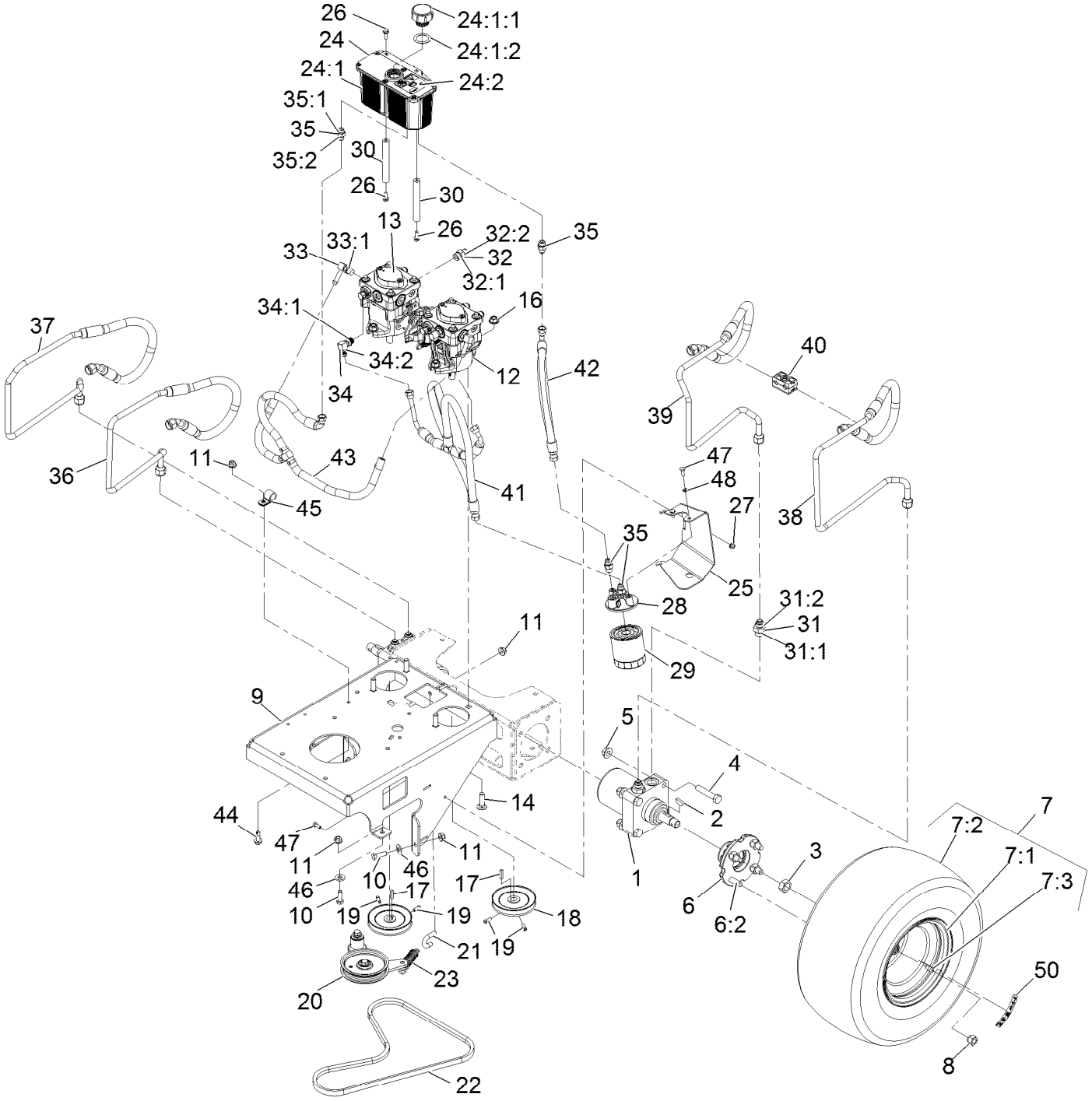


# Platform Assembly No. 116-3523 (continued)

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 132-9403-03 | 1 | Platform ASM [black] |
| 2 | 114-1925 | 2 | Bumper-Rubber |
| 3 | 114-1926 | 2 | Bumper-Rubber |
| 4 | 104-8300 | 4 | Nut-Nyloc 5/16-18 Flg |
| 5 | 119-8650 | 1 | Pin-Latch ● |
| 6 | 114-5348 | 1 | Spring |
| 7 | 1-603175 | 1 | Knob-Ball |
| 8 | 126-6991 | 1 | Decal-Exmark Logo |
| 9 | 114-5349 | 1 | Mat-Foot |
| 10 | 114-1920-03 | 1 | Clamp-Shield |
| 11 | 32144-70 | 2 | Screw-HWH 5/16-18 X 3/4 Tf |
| 12 | 109-8788 | 2 | Bushing-Flanged |
| 14 | 83-1040 | 2 | Washer |
| 15 | 323-7 | 2 | Screw-HH 3/8-16 X 1 1/4 |
| 16 | 104-8301 | 2 | Nut-Nyloc 3/8-16 Flg |

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

# Ground Drive Assembly

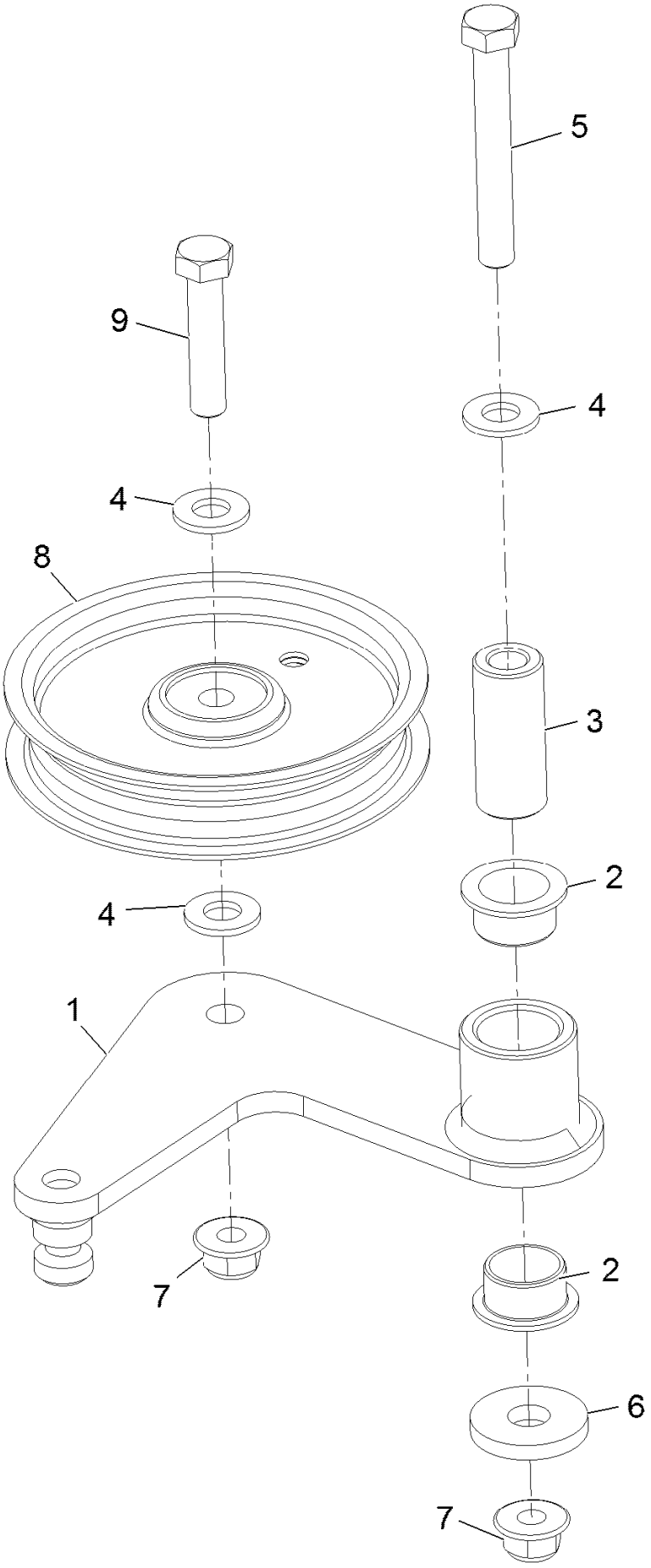


# Ground Drive Assembly (continued)

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 104-1171 | 2 | HYD Motor ASM |
| 2 | 3257-8 | 2 | Key-Woodruff |
| 3 | 85-7310 | 2 | Nut-Motor, Wheel |
| 4 | 325-10 | 8 | Screw-HH |
| 5 | 32128-23 | 8 | Nut-HF |
| 6 | 105-0800 | 2 | Wheel Hub ASM |
| 6:2 | 10-6830 | 4 | Stud-Type, Drive |
| 7 | 116-4587 | 2 | Wheel/Tire ASM |
| 7:1 | 116-4605 | 1 | Rim-8 Inch |
| 7:2 | 116-4606 | 1 | Tire |
| 7:3 | 232-27 | 1 | Stem-Valve |
| 8 | 242-50 | 8 | Nut-Lug |
| 9 | 116-8745-01 | 1 | Base, Engine [red] |
| 10 | 323-18 | 4 | Screw-HH |
| 11 | 104-8301 | 6 | Nut-Flange, NI |
| 12 | 116-2572 | 1 | Pump - Hydraulic |
| 13 | 116-4635 | 1 | Pump-Hydraulic |
| 14 | 3232-3 | 4 | Bolt-CARR |
| 16 | 114-8417 | 4 | Nut-HF, NI |
| 17 | 1-807272 | 2 | Key |
| 18 | 105-5648 | 2 | Pulley-Pump ■ |
| 19 | 3241-5 | 4 | Screw-Set ◆ |
| 20 | 116-9980 | 1 | Pump Idler ASM |
| 21 | 116-8526 | 1 | Anchor, Spring |
| 22 | 119-0174 | 1 | Belt-V |
| 23 | 108-4056 | 1 | Spring-Extension |
| 24 | 116-2066 | 1 | ASM,Reservoir W/Decals ▲ |
| 24:1 | | 1 | Reservoir-HYD ● |
| 24:1:1 | 103-1948 | 1 | Cap-Reservoir, HYD |
| 24:1:2 | 103-1949 | 1 | Gasket-Cap |
| 24:2 | 115-4212 | 1 | Decal-Warning |
| 25 | 116-4319-01 | 1 | Plate-Filter Mount |
| 26 | 117-8304 | 4 | Screw-HHF |
| 27 | 104-7201 | 1 | Nut-Flange, NI |
| 28 | 103-2888 | 1 | Head-Filter |
| 29 | 109-4180 | 1 | Element, Oil Filter |
| 30 | 116-4343 | 2 | Rod-Reservoir Stand |
| 31 | 1-603991 | 4 | Fitting-Straight |
| 31:1 | 237-80 | 1 | O-Ring |
| 31:2 | 1-603992 | 1 | O-Ring |
| 32 | 1-603990 | 4 | Fitting-Straight |
| 32:1 | 1-603920 | 1 | O-Ring |
| 32:2 | 1-603992 | 1 | O-Ring |
| 33 | 100-4887 | 2 | Fitting-Barbed, 90 DEG |
| 33:1 | 237-42 | 1 | O-Ring |
| 34 | 103-2155 | 2 | Fitting-90 DEG |
| 34:1 | 1-603921 | 1 | O-Ring |
| 34:2 | 103-1020 | 1 | O-Ring |
| 35 | 103-2156 | 4 | Fitting-Straight |
| 35:1 | 1-603921 | 1 | O-Ring |
| 35:2 | 103-1020 | 1 | O-Ring |
| 36 | 116-5526 | 1 | Hose-Hardline |
| 37 | 116-5525 | 1 | Hose-Hardline |
| 38 | 116-5523 | 1 | Hose-Hardline |
| 39 | 116-5524 | 1 | Hose-Hardline |
| 40 | 116-5804 | 2 | Clamp, Stauff 212,7/12,7 W/Retainers |
| 41 | 116-5145 | 1 | Hose-ASM Charge |
| 42 | 116-4252 | 1 | Hose ASM-HYD LP 3/8X14.4 |
| 43 | 116-5460 | 1 | Hose ASM - HYD 3/8 |
| 44 | 105-6245 | 1 | Screw-Tapping |
| 45 | 1-633396 | 1 | Clip-Loom |
| 46 | 98-5975 | 4 | Washer-Belleville |
| 47 | 321-3 | 3 | Screw-HH |
| 48 | 1-805004 | 2 | Washer-Lock |
| 50 | 126-2130 | 2 | Decal-Wheel Torque |

● Not serviced separately
▲ Use Exmark Premium Hydro Oil P/N 109-9828 (32oz)
◆ Use Pro-Lock, Nut Type (P/N 1-840022, .5ml tube) on threads.
■ Apply anti-seize compound in bore.

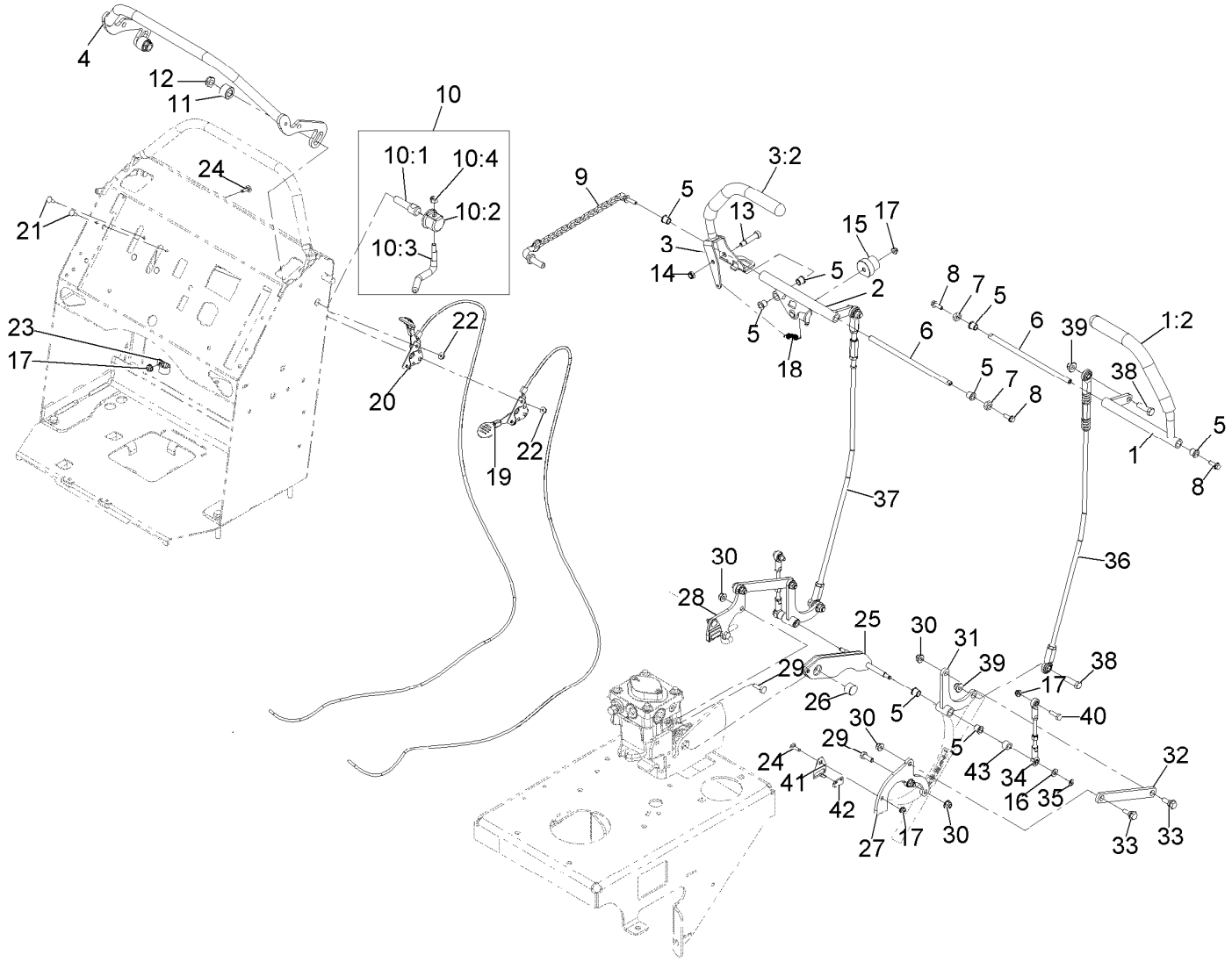
# Pump Idler Assembly No. 116-9980



# Pump Idler Assembly No. 116-9980 (continued)

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 116-8717 | 1 | Idler Arm ASM |
| 2 | 109-8054 | 2 | Bushing-Flanged |
| 3 | 116-8718 | 1 | Spacer, Pivot |
| 4 | 3256-24 | 3 | Washer-3/8 Sae |
| 5 | 323-13 | 1 | Screw-HH 3/8-16 X 2 3/4 |
| 6 | 1-373034 | 1 | Washer |
| 7 | 104-8301 | 2 | Nut-Nyloc 3/8-16 Flg |
| 8 | 93-1622 | 1 | Pulley-Idler |
| 9 | 323-9 | 1 | Screw-HH 3/8-16 X 1 3/4 |

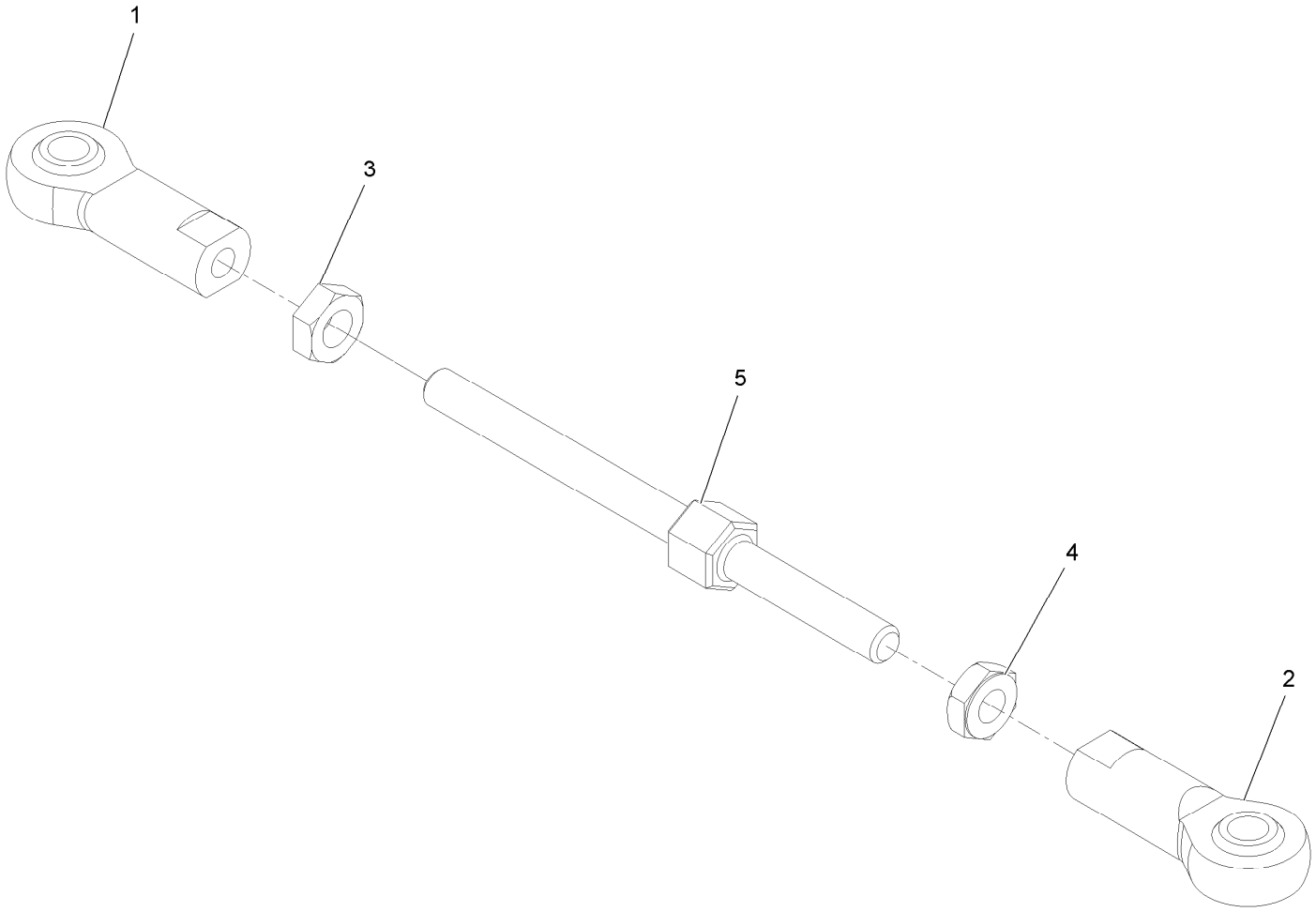
# Control Assembly



# Control Assembly (continued)

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 116-4195 | 1 | Lever ASM, LH |
| 1:2 | 116-2357 | 1 | Grip-Handle, Control |
| 2 | 126-1943-03 | 1 | Weld, Motion Control |
| 3 | 116-9815 | 1 | ASM, Lever W/ Grip, Rt |
| 3:2 | 116-2357 | 1 | Grip-Handle, Control |
| 4 | 116-6985-03 | 1 | Tube ASM, Front Speed Control [ |
| 5 | 103-9928 | 10 | Bearing |
| 6 | 116-4197 | 2 | Shaft-Pivot, Motion Control |
| 7 | 116-4198 | 2 | Spacer-Shaft, Drive Lever |
| 8 | 117-8304 | 3 | Screw-Hex Flange 1/4-20 X 3/4 |
| 9 | 114-0409 | 1 | HOC Pin ASM |
| 10 | 107-1664 | 2 | Lever ASM |
| 10:1 | 106-3239 | 1 | Screw-Lock |
| 10:2 | 107-1644 | 1 | Cap-Lock |
| 10:3 | 106-3241 | 1 | Lever-Lock |
| 10:4 | 3296-29 | 1 | Nut-Nyloc 5/16-18 |
| 11 | 116-2319 | 2 | Spacer-Clamp |
| 12 | 3296-45 | 2 | Nut-Nyloc 1/2-13 Thin |
| 13 | 114-0239 | 1 | Screw-Shoulder 5/16-18 X 1/2 |
| 14 | 3296-47 | 1 | Nut-Nyloc 5/16-18 Thin |
| 15 | 126-1499 | 1 | Cam |
| 16 | 3256-22 | 2 | Washer-1/4 Sae |
| 17 | 104-7201 | 5 | Nut-Nyloc 1/4-20 Flg |
| 18 | 114-0249 | 1 | Spring-Extension |
| 19 | 116-4276 | 1 | Control-Throttle |
| 20 | 116-4277 | 1 | Control-Choke |
| 21 | 1-807533 | 4 | Bolt-Carriage #10-24 X 5/8 |
| 22 | 3290-148 | 4 | Nut-Whizlock #10-24 |
| 23 | 2412-87 | 1 | Clamp-Cable |
| 24 | 3229-1 | 3 | Bolt-Carriage 1/4-20 X 3/4 |
| 25 | 116-4740 | 1 | Bellcrank Link ASM |
| 26 | 116-4203 | 1 | Pin-Bellcrank Link Retaining |
| 27 | 116-4737 | 1 | Arm-Pump Control |
| 28 | 116-7000 | 1 | Arm-Pump Control RH |
| 29 | 322-4 | 4 | Screw-HH 5/16-18 X 7/8 |
| 30 | 104-8300 | 8 | Nut-Nyloc 5/16-18 Flg |
| 31 | 116-4205 | 2 | Bellcrank-Lower |
| 32 | 116-4208 | 2 | Link-Bellcrank, Pump |
| 33 | 116-2670 | 4 | Screw-Shoulder HHF 5/16-18 X .96 |
| 34 | 116-4210 | 2 | Vertical Adjust Link |
| 35 | 32151-86 | 2 | E-Ring |
| 36 | 116-4213 | 1 | Linkage-Tracking Control, LH |
| 37 | 116-4214 | 1 | Linkage-Tracking Control, RH |
| 38 | 323-7 | 4 | Screw-HH 3/8-16 X 1 1/4 |
| 39 | 104-8301 | 4 | Nut-Nyloc 3/8-16 Flg |
| 40 | 321-5 | 2 | Screw-HH 1/4-20 X 7/8 |
| 41 | 116-4739 | 2 | Clamp-Switch |
| 42 | 116-2832 | 2 | Actuator-Switch, Reed |
| 43 | 52-2480 | 2 | Spacer-Wheel |

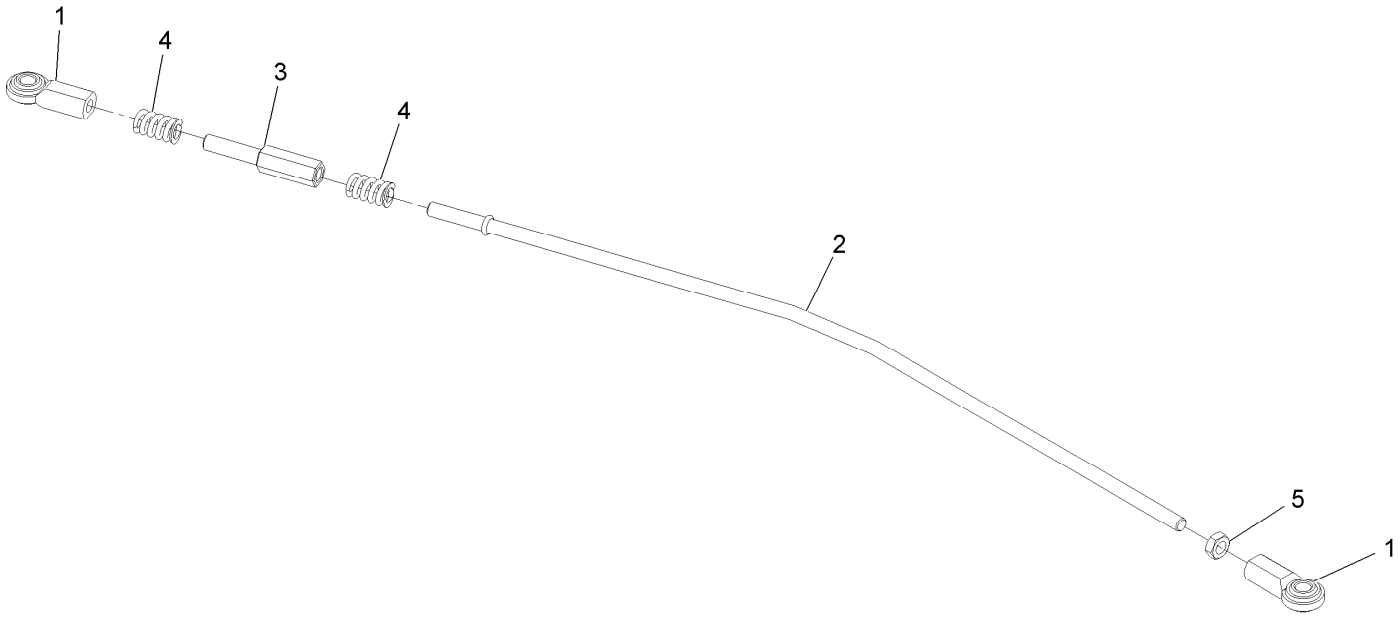
# Vertical Adjust Link Assembly No. 116-4210



# Vertical Adjust Link Assembly No. 116-4210 (continued)

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 2411-41 | 1 | Rod End-Ball Joint |
| 2 | 104-4013 | 1 | Joint-Ball, LH |
| 3 | 3220-1 | 1 | Nut-Jam 1/4-28 |
| 4 | 104-3941 | 1 | Nut-Jam |
| 5 | 116-4209 | 1 | Rod-Vertical Adjust |

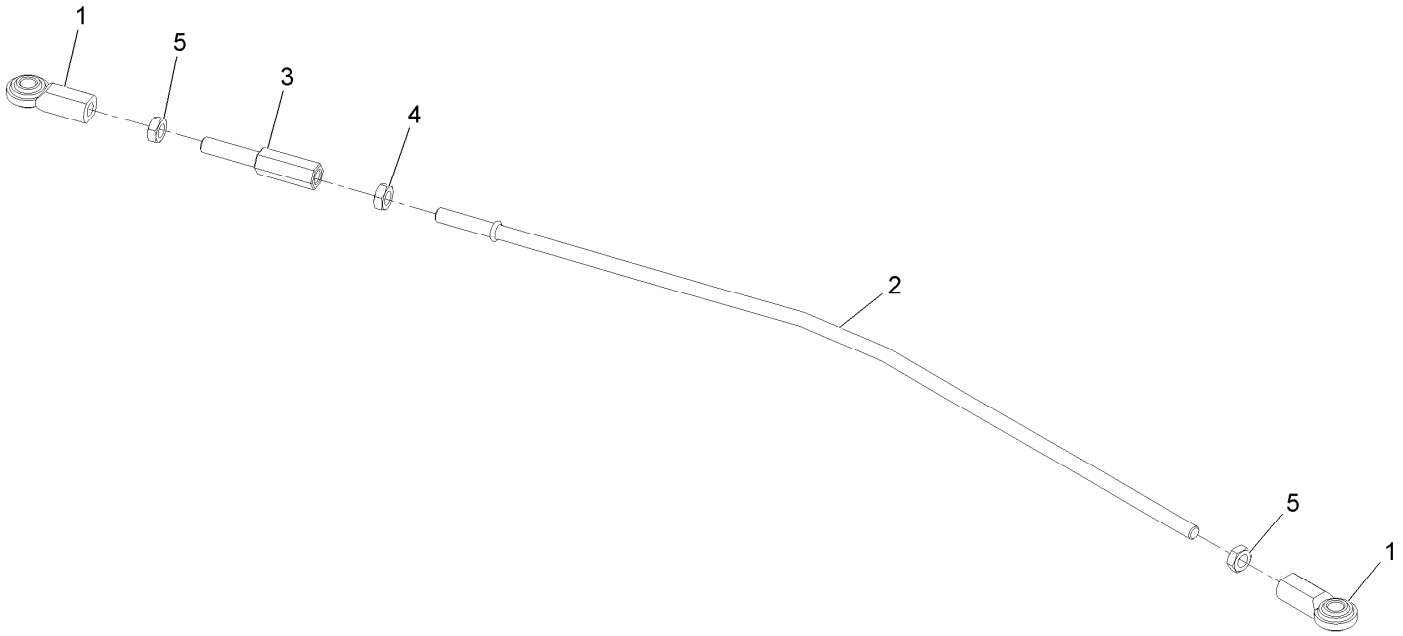
# LH Tracking Control Linkage Assembly No. 116-4213



# LH Tracking Control Linkage Assembly No. 116-4213 (continued)

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 103-0608 | 2 | Balljoint |
| 2 | 116-4742 | 1 | Link-Lower, Motion Control |
| 3 | 116-4755 | 1 | Rod-Adjustment |
| 4 | 116-7560 | 2 | Spring-Compression |
| 5 | 3220-3 | 1 | Nut-Jam 3/8-24 |

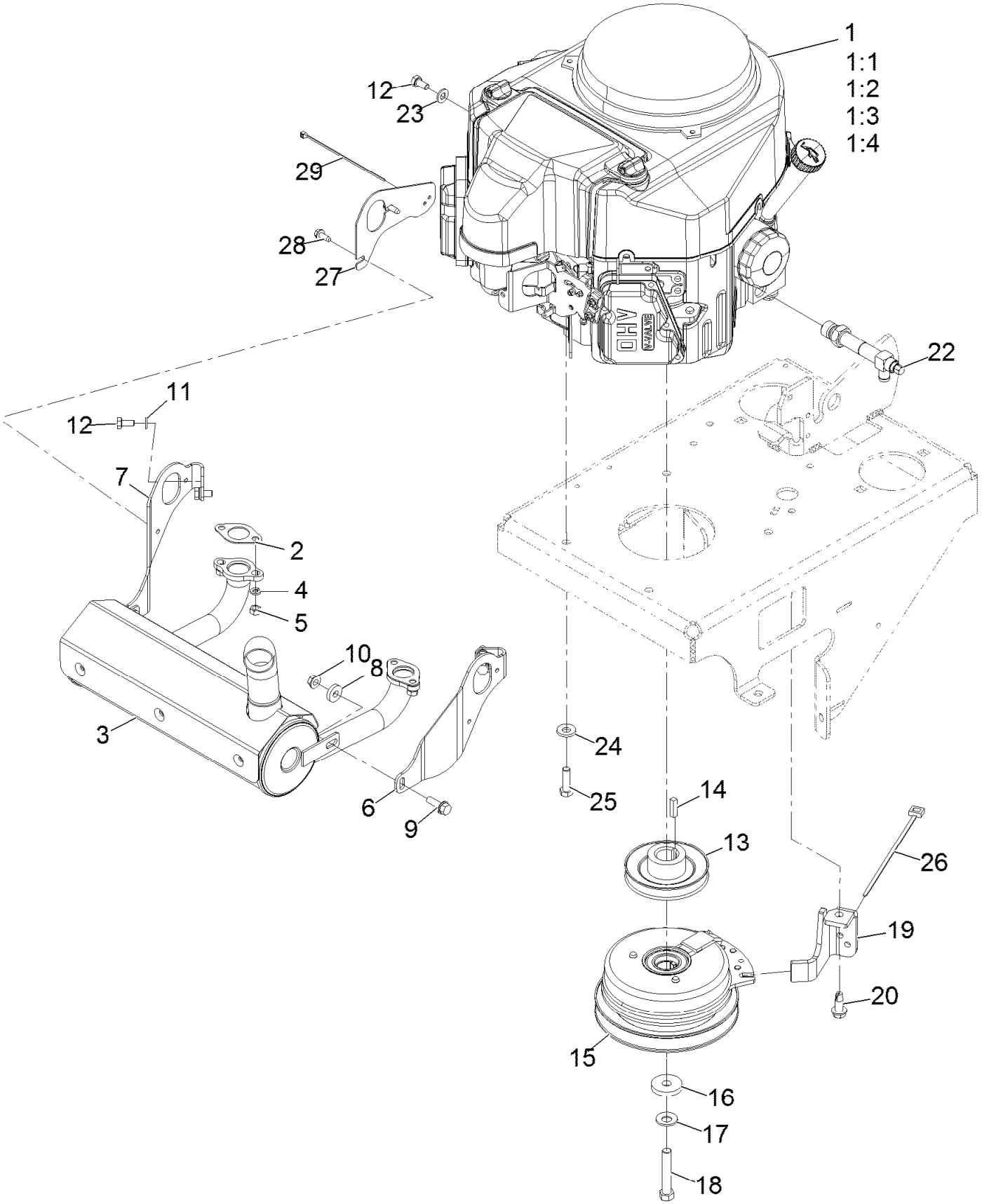
# RH Tracking Control Linkage
# Assembly No. 116-4214



# RH Tracking Control Linkage
# Assembly No. 116-4214 (continued)

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 103-0608 | 2 | Balljoint |
| 2 | 116-4742 | 1 | Link-Lower, Motion Control |
| 3 | 116-4755 | 1 | Rod-Adjustment |
| 4 | 3220-16 | 1 | Nut-Jam 3/8-24 LH |
| 5 | 3220-3 | 2 | Nut-Jam 3/8-24 |

# Engine Assembly

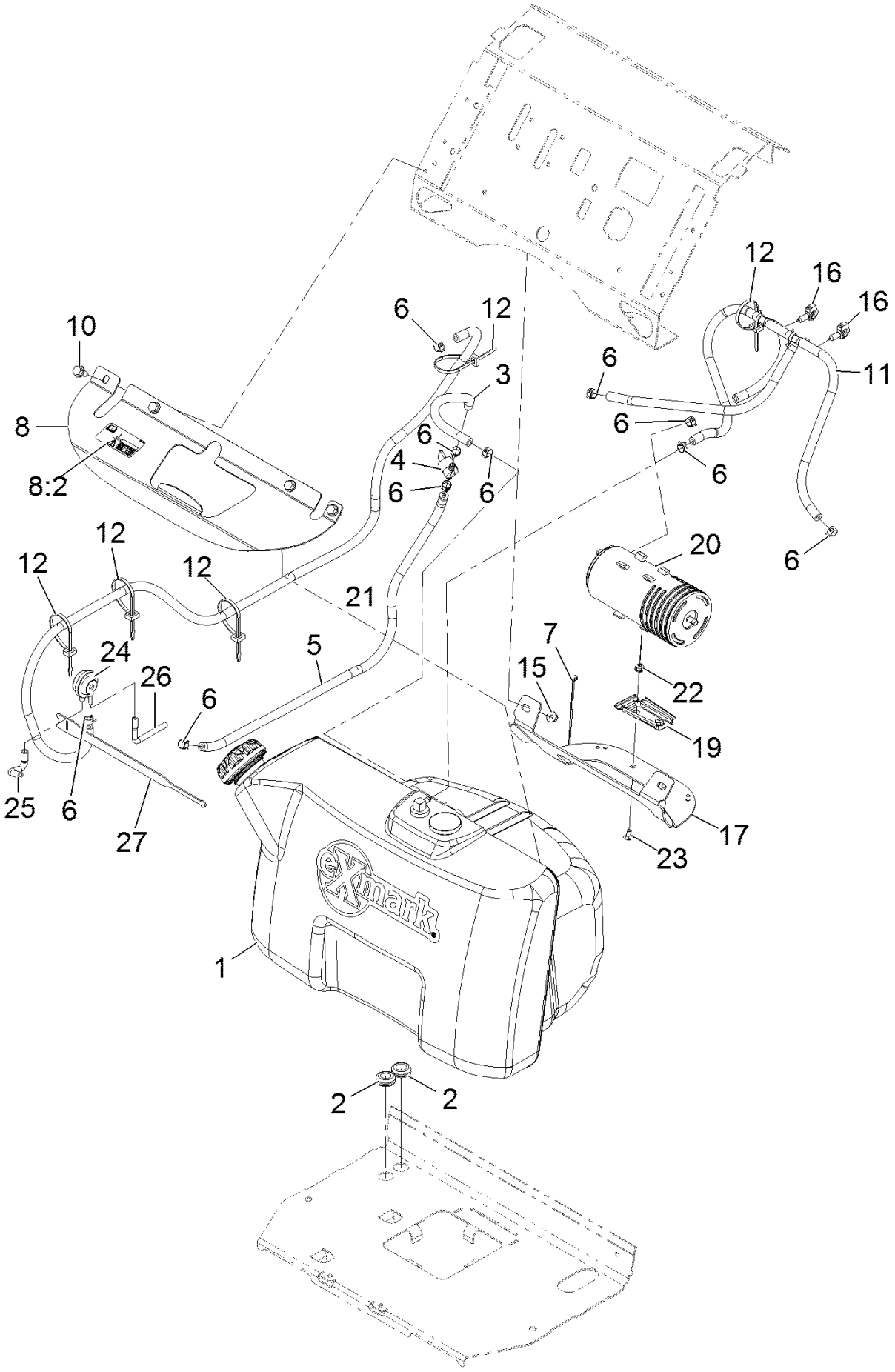


# Engine Assembly (continued)

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | | 1 | Engine-Kawasaki, Fs541V ■◆ |
| 1:1 | 92-2153 | 1 | Spark Plug |
| 1:2 | 119-5852 | 1 | Filter-Oil |
| 1:3 | 120-2235 | 1 | Filter-Fuel |
| 1:4 | 120-7447 | 1 | Element-Filter, Air |
| 2 | 1-653313 | 2 | Gasket-Exhaust |
| 3 | 116-8746 | 1 | Muffler |
| 4 | 114-3550 | 4 | Washer-Lock, Spring |
| 5 | 114-3549 | 4 | Nut-M8 |
| 6 | 116-4752 | 1 | Bracket-Muffler Mount, LH |
| 7 | 116-4750 | 1 | Bracket-Muffler Mount, RH |
| 8 | 104-7658 | 2 | Spacer |
| 9 | 3234-29 | 2 | Screw-HH Flg 5/16-18 X 1 |
| 10 | 32128-25 | 2 | Nut-Hex 5/16-18 Side Lock |
| 11 | 3253-4 | 4 | Washer-Lock 5/16 |
| 12 | 33114-016 | 5 | Screw-HH M8-1.25 X 16Mm |
| 13 | 116-3610 | 1 | Pulley ▲ |
| 14 | 1-807259 | 1 | Key-Machine 1/4 X 1/4 X 1 |
| 15 | 116-4395 | 1 | Clutch-175 Ft-Lb ▲ |
| 16 | 107-4136 | 1 | Washer |
| 17 | 1-603610 | 1 | Washer-Spring Disc 7/16 |
| 18 | 3212-10 | 1 | Screw-HH 7/16-20 X 2 1/2 ❍ |
| 19 | 116-3565-01 | 1 | Anchor-Clutch |
| 20 | 105-6245 | 1 | Screw-Tapping |
| 22 | 116-6126 | 1 | Valve-Drain Oil ❑ |
| 23 | 33094-00 | 1 | Washer |
| 24 | 98-5975 | 4 | Washer-Spring Disc 3/8 |
| 25 | 323-7 | 4 | Screw-HH 3/8-16 X 1 1/4 |
| 26 | 3290-378 | 1 | Tie-Cable |
| 27 | 116-4751 | 1 | Guard-Cable, Spark Plug |
| 28 | 32144-10 | 2 | Screw-HWH 1/4-20 X .62 |
| 29 | 1-303287 | 1 | Tie-Cable 5 1/2 (Small) |
| 99 | 103-1964 | 1 | Hose-Drain, Oil ● |

● Not illustrated
▲ Apply anti-seize compound in bore.
❑ Use a Teflon Pipe Sealant or equivalent on threads.
❍ Use Pro-Lock, Nut Type (P/N 1-840022, .5ml tube) on threads.
■ Not serviced separately
◆ Obtain parts from www.kawpowerepc.com

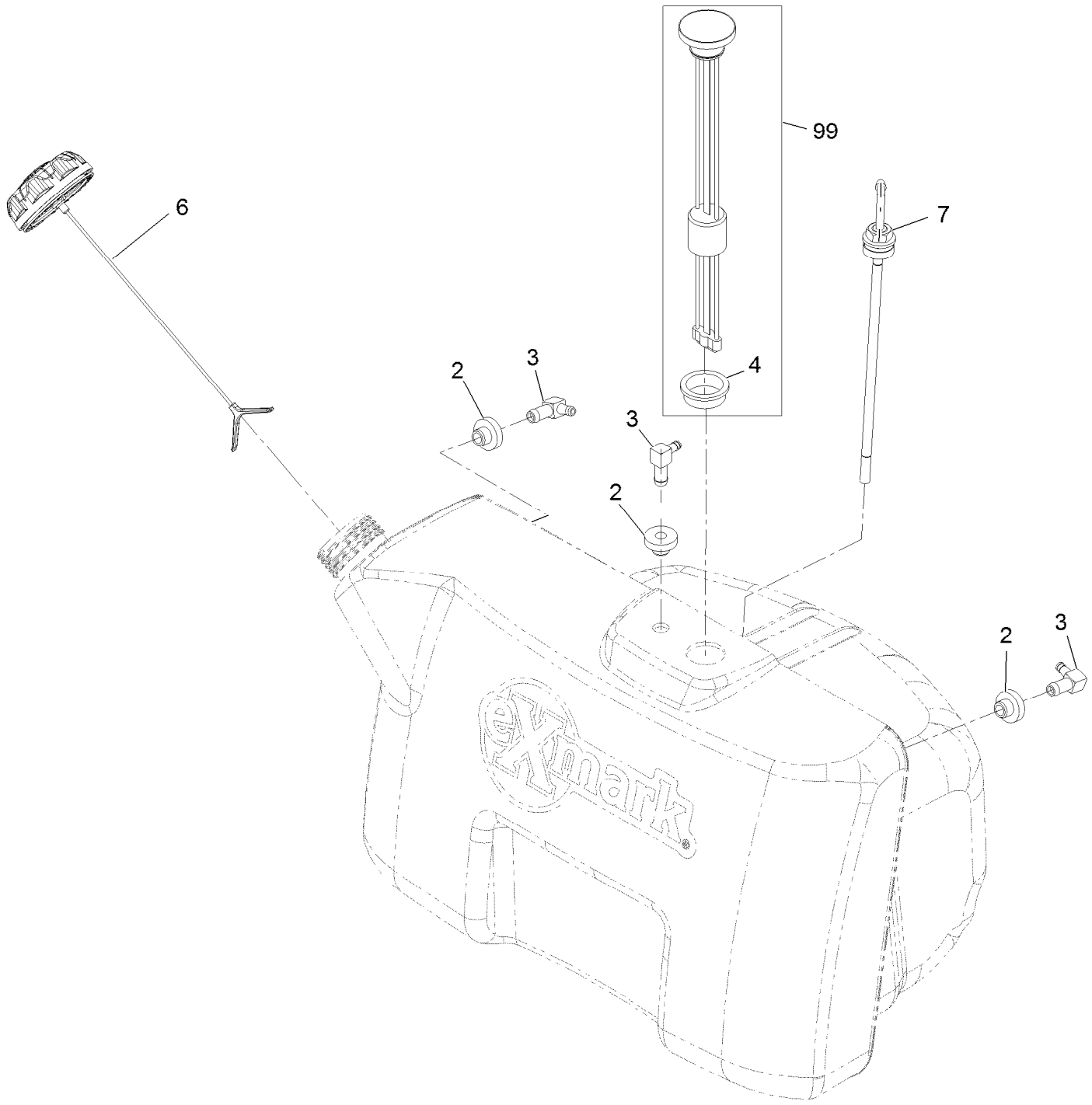
# Fuel Tank Mounting Assembly



# Fuel Tank Mounting Assembly (continued)

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 116-4577 | 1 | Tank ASM- Exmark |
| 2 | 112-7069 | 2 | Grommet |
| 3 | 107-9297 | 1 | Hose-Fuel |
| 4 | 1-603770 | 1 | Valve-Fuel |
| 5 | 110-1872 | 1 | Hose-Fuel |
| 6 | 2412-98 | 10 | Clamp-Hose |
| 7 | 1-303287 | 1 | Tie-Cable 5 1/2 (Small) |
| 8 | 116-3088 | 1 | Bracket-Tank |
| 8:2 | 116-8775 | 1 | Decal-Fill, Fuel |
| 10 | 32144-70 | 4 | Screw-HWH 5/16-18 X 3/4 Tf |
| 11 | 116-5054 | 1 | Vent ASM |
| 12 | 3290-378 | 5 | Tie-Cable |
| 15 | 104-8300 | 2 | Nut-Nyloc 5/16-18 Flg |
| 16 | 32180-040 | 2 | Clip-Harness |
| 17 | 116-5055-03 | 1 | Bracket,Carb Canister |
| 19 | 114-0292 | 1 | Bracket-Canister, Carbon |
| 20 | 117-1221 | 1 | Canister-Carbon, 800Cc |
| 21 | 116-5053 | 1 | Hose-Fuel .25 X 60.00, J30R7 |
| 22 | 104-7201 | 2 | Nut-Nyloc 1/4-20 Flg |
| 23 | 116-5879 | 2 | Screw-CARR |
| 24 | 116-2232 | 1 | Valve-Control, Vacuum |
| 25 | 119-8502 | 1 | Hose-Vent, Formed |
| 26 | 119-8501 | 1 | Hose-Vent, Formed |
| 27 | 116-2469 | 1 | Strap-Velcro, Cable Tie |

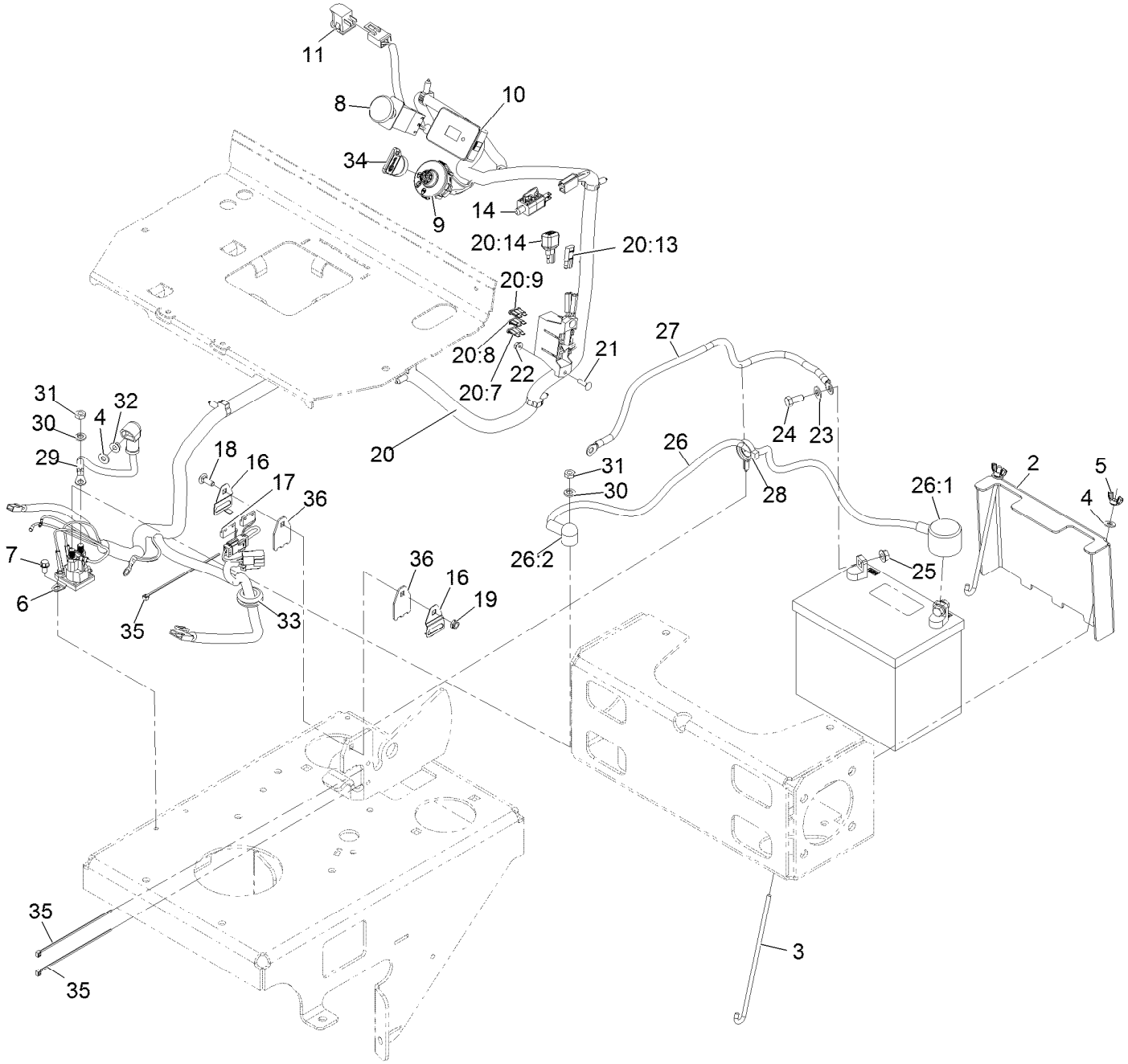
# Fuel Tank Assembly No. 116-4577



# Fuel Tank Assembly No. 116-4577 (continued)

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 2 | 46-6560 | 3 | Bushing |
| 3 | 1-643172 | 3 | Elbow-90 DEG |
| 4 | 95-8972 | 1 | Grommet |
| 6 | 126-1789 | 1 | Cap-Fuel, Ratcheting |
| 7 | 116-3408 | 1 | Fitting-Fuel, Bulkhead |
| 99 | 116-7264 | 1 | Kit, Vantage Fuel Gage Replacement |

# Electrical Assembly



# Electrical Assembly (continued)

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 2 | 116-4756-01 | 1 | Cover-Battery |
| 3 | 1-633651 | 2 | Bolt-Holddown |
| 4 | 3256-22 | 3 | Washer-1/4 Sae |
| 5 | 1-543792 | 2 | Wingnut-Nyloc 1/4-20 |
| 6 | 117-1197 | 1 | Solenoid |
| 7 | 32144-4 | 2 | Screw-HWH 1/4-20 X 1/2 Taptite |
| 8 | 114-0279 | 1 | Switch-PTO |
| 9 | 117-2222 | 1 | Switch-Ignition |
| 10 | 117-3886 | 1 | Module-Hour Meter |
| 11 | 82-2190 | 1 | Switch |
| 14 | 119-8231 | 1 | Switch-Plunger, Nc, Spst |
| 16 | 116-4739 | 2 | Clamp-Switch |
| 17 | 116-2833 | 1 | Harness-Switch, Reed |
| 18 | 3229-1 | 1 | Bolt-Carriage 1/4-20 X 3/4 |
| 19 | 3296-56 | 1 | Nut-Nyloc 1/4-20 Thin |
| 20 | 126-1214 | 1 | Harness, Wire ● |
| 20:7 | 109103 | 1 | Fuse-Blade, 30 Amp |
| 20:8 | 109102 | 1 | Fuse-Blade, 25 Amp |
| 20:9 | 218-578 | 1 | Fuse-Blade, 10 Amp |
| 20:13 | 116-0053 | 1 | Cap-Plug |
| 20:14 | 103-3895 | 1 | Diode |
| 21 | 3229-20 | 2 | Screw-CARR |
| 22 | 3290-148 | 2 | Nut-Whizlock #10-24 |
| 23 | 3256-23 | 2 | Washer-5/16 Sae |
| 24 | 322-3 | 2 | Screw-HH 5/16-18 X 3/4 |
| 25 | 109-5715 | 2 | Nut-Hex Flange 5/16-18 |
| 26 | 109-7608 | 1 | Cable, Battery (+) |
| 26:1 | 109-2407 | 1 | Insulator-Battery |
| 26:2 | 1-543393 | 1 | Insulator-Solenoid |
| 27 | 54-3093 | 1 | Cable-Battery, Negative |
| 28 | 105-1853 | 1 | Clamp-Hose |
| 29 | 106-8268 | 1 | Cable-Battery, Red |
| 30 | 3253-4 | 2 | Washer-Lock 5/16 |
| 31 | 3220-2 | 2 | Nut-Jam 5/16-24 |
| 32 | 32128-33 | 1 | Nut-Whizlock 1/4-20 |
| 33 | 117-2781 | 1 | Grommet |
| 34 | 103-2106 | 1 | Key-Exmark Logo |
| 35 | 1-303287 | 3 | Tie-Cable 5 1/2 (Small) |
| 36 | 116-4388 | 2 | Plate-Spacer |

● Use dielectric grease on all unsealed connectors and terminals only. Do not apply in sealed connectors.

## Notes:

## Notes:

## Notes:

# MAXIMIZE THE PERFORMANCE OF YOUR EXMARK MACHINE.




## EXMARK® PREMIUM ENGINE OIL

Exmark now offers a family of engine oil viscosities to perform well in any environment. Each viscosity has the same synthetic formulation to give you what you need in punishing conditions. We designed each grade to the highest quality, making it ideal even for diesel applications. Coupled with Exmark Premium Fuel Treatment, we have the performance products to make your machine hum.

### EXMARK PREMIUM ENGINE OIL SAE 30/10W-30

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- Superior corrosion protection over conventional oil - even in corrosive, humid environments.

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- Wide span multi-grade combines easy starting in cold weather with maximum protection in high temperature operation.
- Reduce friction & wear over standard mineral formulations.

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- 4-cycle high-temp formulation.
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- Same full synthetic formulation as all other Exmark Premium viscosities.
- Also effective for use in severe service small block engines.

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- Commercial quality for severe service.
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- Shear stable, hypoid gear lube.
- Includes a premium additive system to combat wear, oxidation, rust & corrosion.

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## MID-MOUNT RIDING ACCESSORIES AND OPTIONS

CUSTOM RIDE SEAT SUSPENSION SYSTEM
FULL SUSPENSION SEAT
DECK LIFT ASSIST KIT
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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