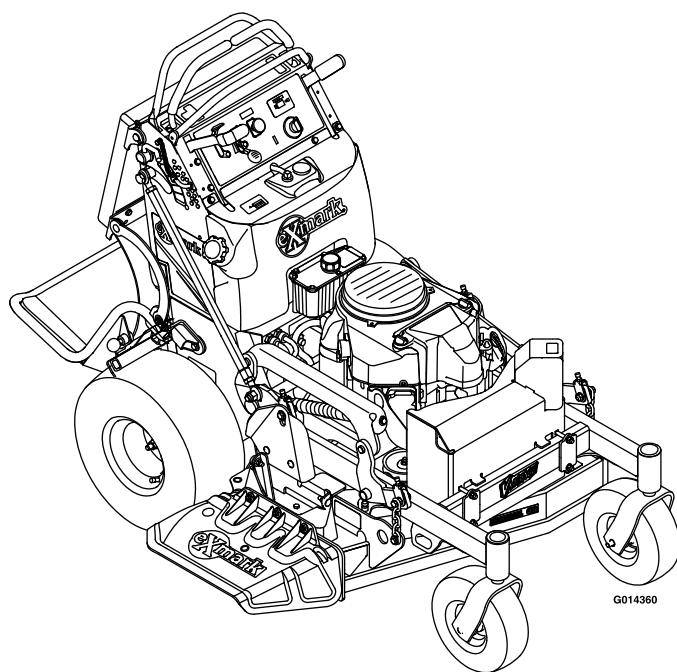




## **VANTAGE®**

Model No. VT541KA363—Serial No. 312000000 and Up

Picture below may not reflect actual product.



# Parts Manual

# 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

|                                              |                                                |                                          |
|----------------------------------------------|------------------------------------------------|------------------------------------------|
| <b>AR:</b> as required                       | <b>HJ:</b> hex jam                             | <b>PTH:</b> phillips truss head          |
| <b>ASM:</b> assembly                         | <b>HLH:</b> hex lag head                       | <b>PTO:</b> power-take-off               |
| <b>BBC:</b> blade brake control              | <b>HOC:</b> height-of-cut                      | <b>RH:</b> right hand                    |
| <b>BHTF:</b> button head thread forming      | <b>HSBH:</b> hex socket button head            | <b>ROPS:</b> roll-over protection system |
| <b>CARR:</b> carriage                        | <b>HSFH:</b> hex socket flat head              | <b>RRB:</b> rear roller brush            |
| <b>CCW:</b> counter clockwise                | <b>HSH:</b> hex socket head                    | <b>SFH:</b> slotted fillister head       |
| <b>CW:</b> clockwise                         | <b>HWH:</b> hex washer head                    | <b>SHH:</b> slotted hex head             |
| <b>DEG:</b> degrees                          | <b>HWHTF:</b> hex washer head thread forming   | <b>SHWH:</b> slotted hex washer head     |
| <b>DPA:</b> Dual Point Adjustment            | <b>HYD:</b> hydraulic                          | <b>SPH:</b> slotted pan head             |
| <b>ECM:</b> electronic control module        | <b>LH:</b> left hand                           | <b>SQH:</b> square head                  |
| <b>EXT:</b> external                         | <b>LPG:</b> Liquid Propane Gas                 | <b>SRH:</b> slotted round head           |
| <b>FH:</b> flat head                         | <b>NI:</b> nylon insert                        | <b>STD:</b> standard                     |
| <b>GA:</b> gauge                             | <b>NPTF:</b> national pipe thread fine         | <b>TAP:</b> self tapping                 |
| <b>HD:</b> heavy-duty                        | <b>PFH:</b> phillips flat head                 | <b>TTH:</b> torx truss head              |
| <b>HF:</b> hex flange                        | <b>PPH:</b> phillips pan head                  |                                          |
| <b>HH:</b> hex head                          | <b>PPHTF:</b> phillips pan head thread forming |                                          |
| <b>HHF:</b> hex head flange                  | <b>PRH:</b> phillips round head                |                                          |
| <b>HHFTF:</b> hex head flange thread forming |                                                |                                          |

# Touch Up Paint

Exmark black touch up spray paint – gloss black.

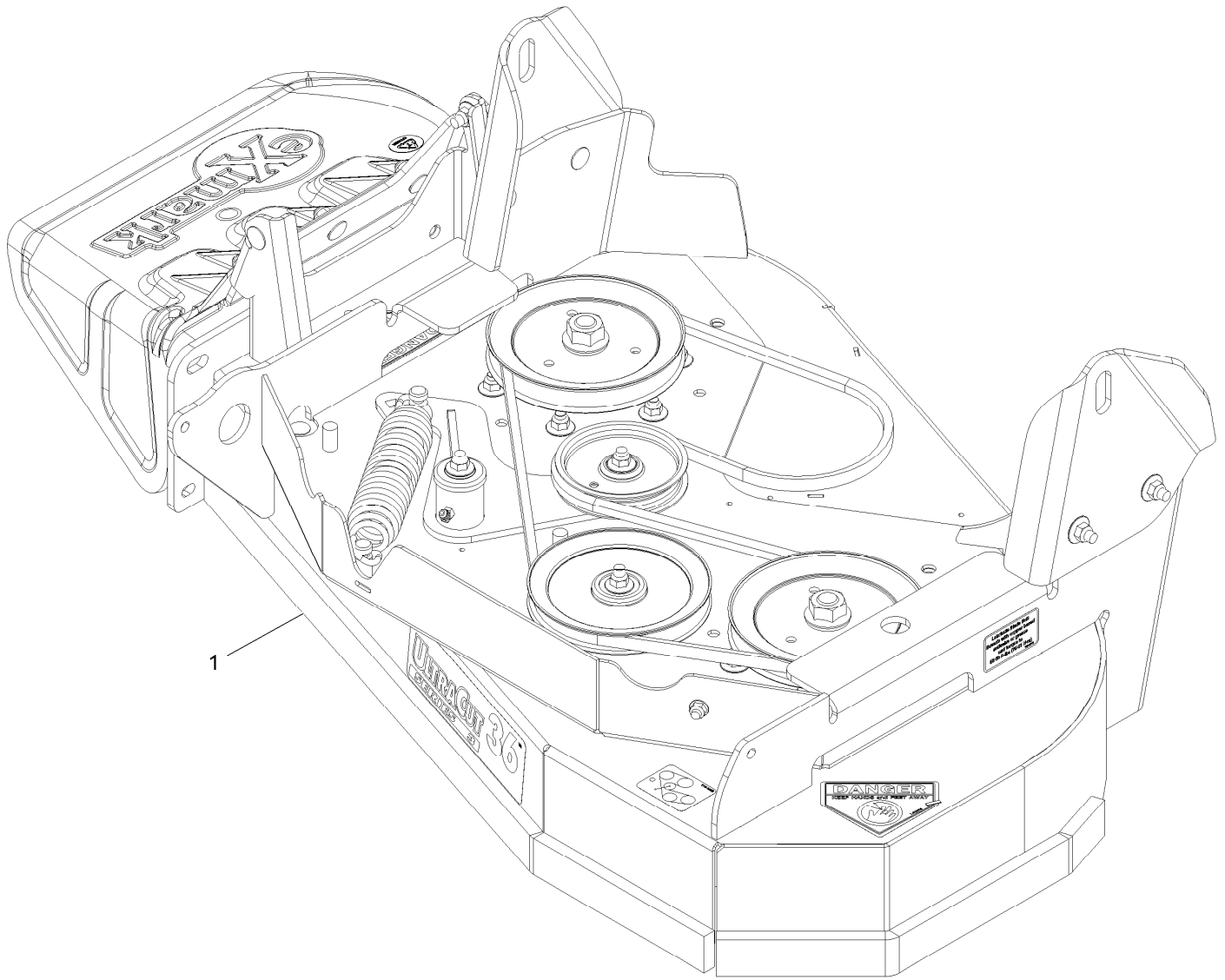
Exmark red touch up paint (spray paint – P/N 1-850337 - .6 oz liquid bottle – P/N 103-9140).



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.)

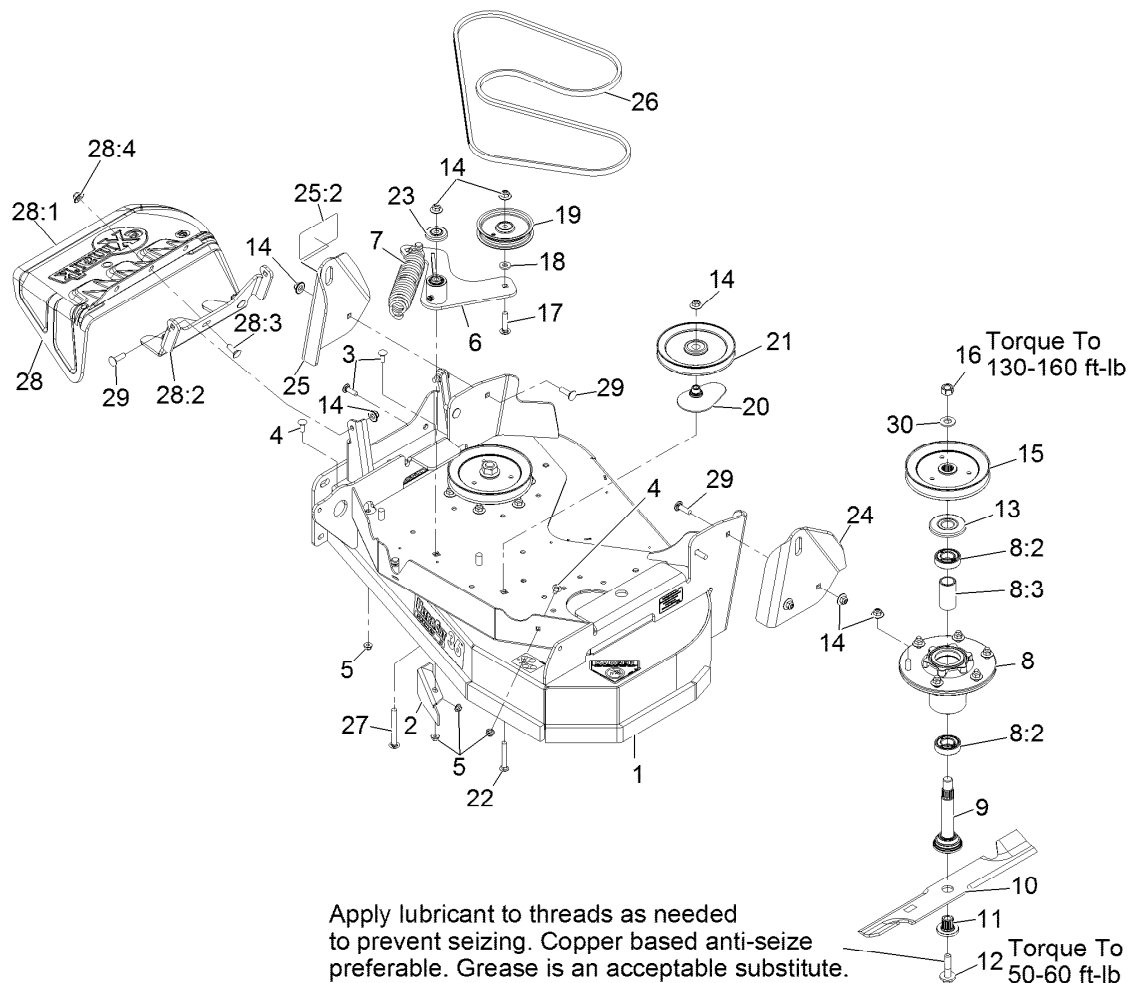
## Contents

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| Fuel Tank Assembly No. 116-4577.....                   | 28 |
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## Complete Deck Assembly

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



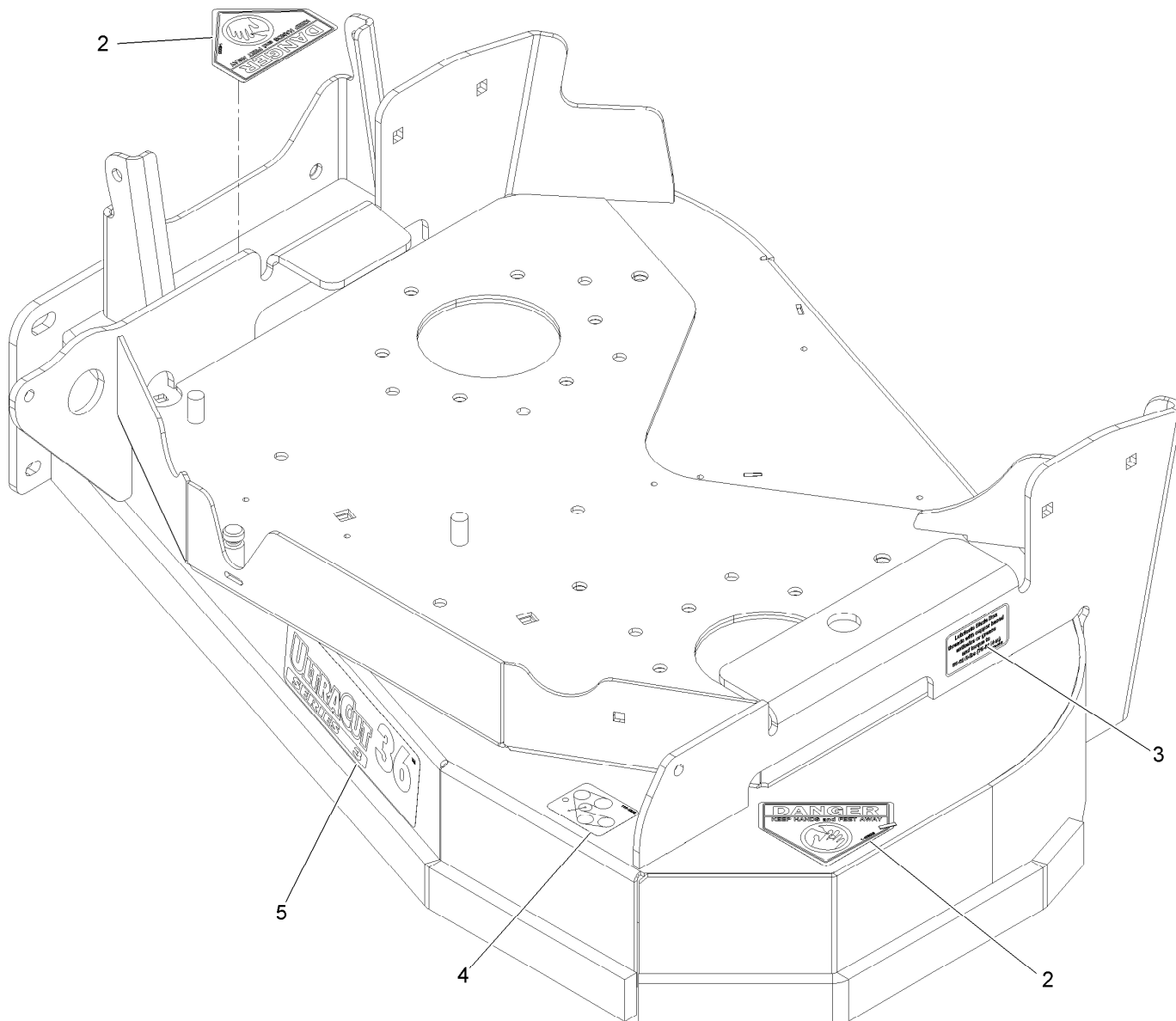
## Deck Assembly

| 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   | 103-6382    | 2    | Blade, Solid 18.0 (.94 Hole)    |
| 10   | 103-6387    | 2    | Blade, Low Lift 18.0 (.94 Hole) |
| 10   | 103-6392    | 2    | Blade, Mulch 18.0 (.94 Hole) ●  |
| 10   | 116-5175    | 2    | Blade-Extreme 2, 18.00"         |
| 10   | 103-6402    | 2    | Blade-Notched                   |
| 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            |

| Ref. | Part Number | Qty. | Description                           |
|------|-------------|------|---------------------------------------|
| 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   | 116-4674    | 1    | Push Tower-RH 36, W/Decal             |
| 25:2 | 1-303508    | 1    | Decal-Warning, Discharge              |
| 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                                |

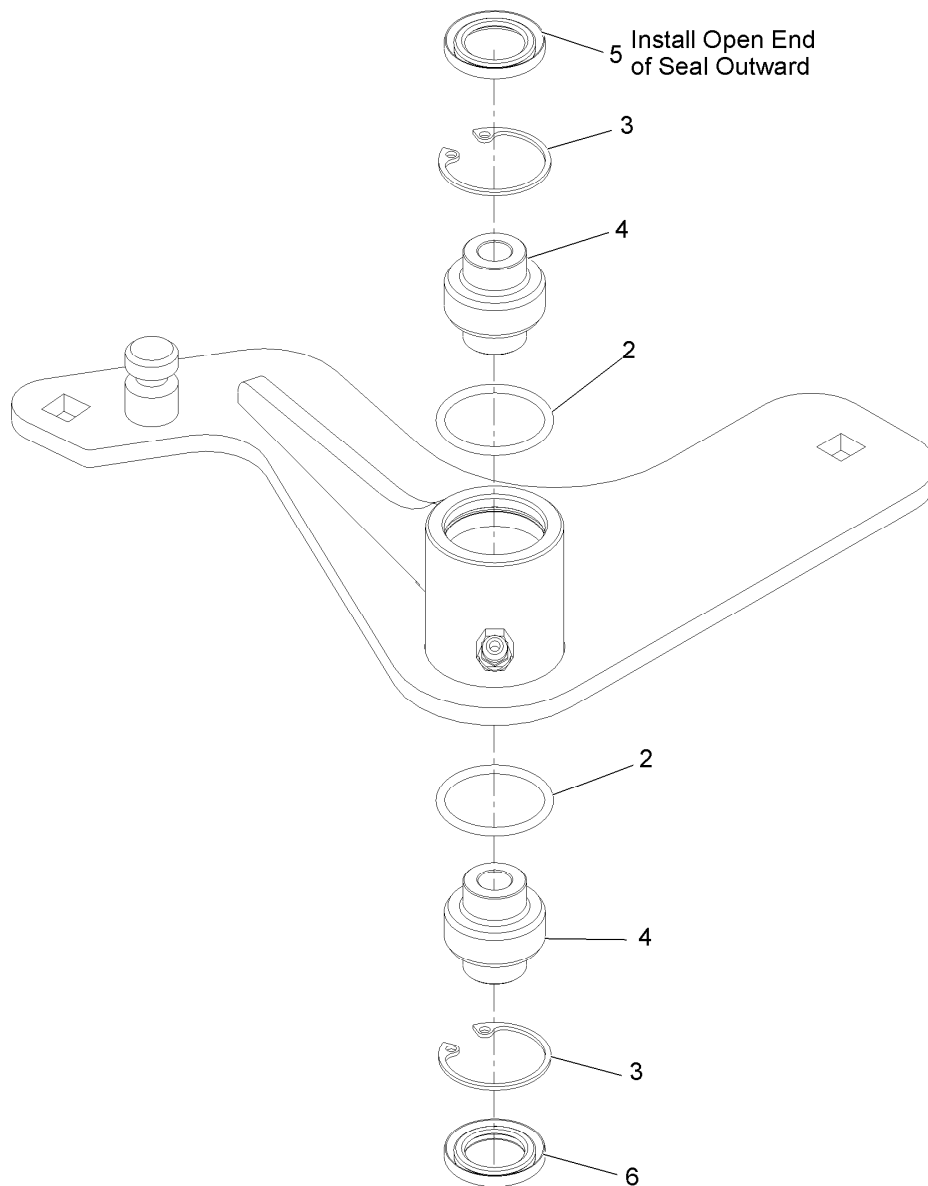
● Requires installation of mulch kit for proper mulching. See your Exmark dealer for details.

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



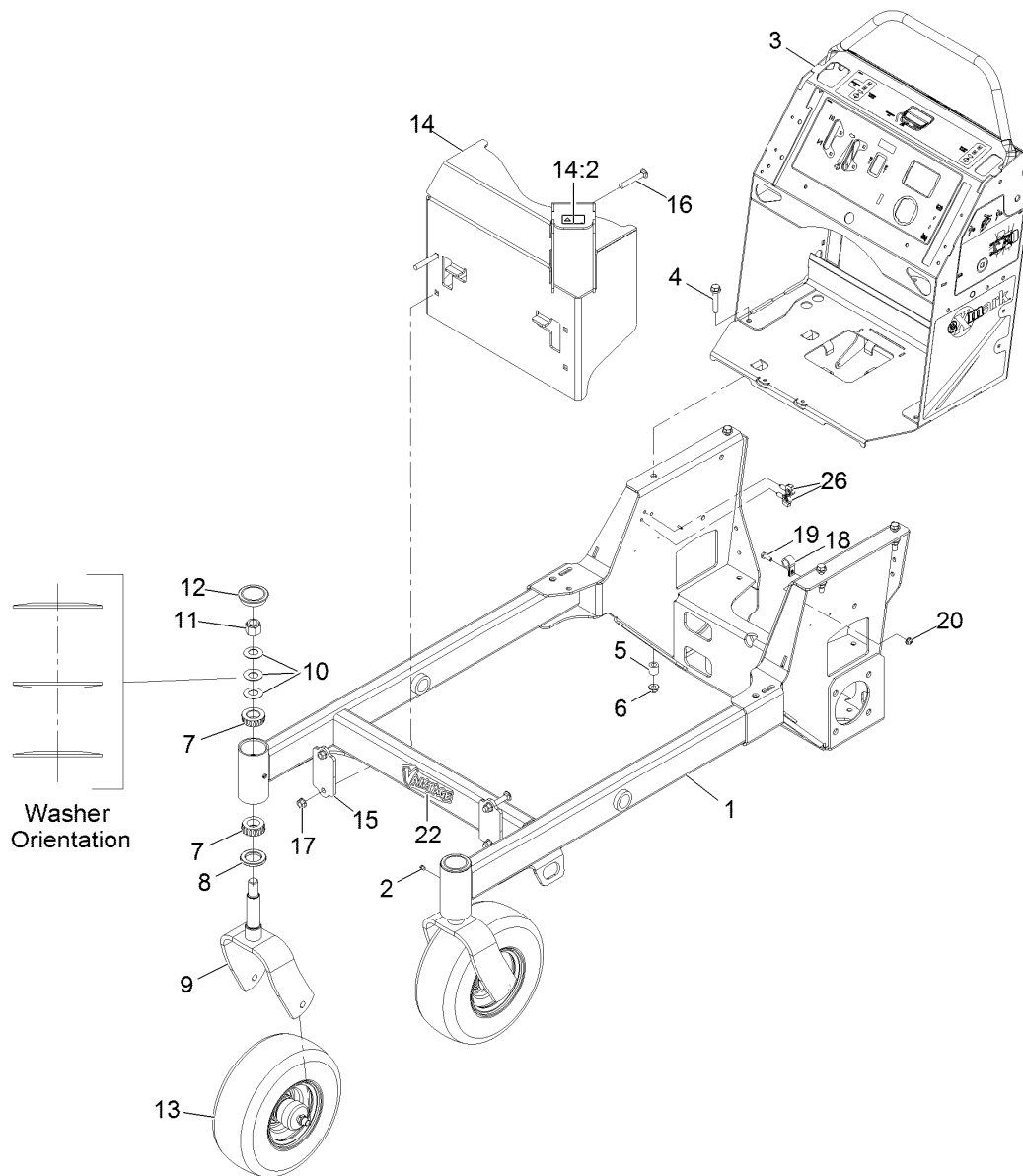
## Deck W/Decals Assembly No. 116-3662

| Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|
| 2    | 1-403005    | 2    | Decal-Danger               |
| 3    | 109-3148    | 1    | Decal,Bolt Torque          |
| 4    | 116-4298    | 1    | Decal-Belt Routing 36      |
| 5    | 116-4695    | 1    | Decal-Ultracut 36 Series 3 |



## Idler Arm Assembly No. 116-3680

| 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   |

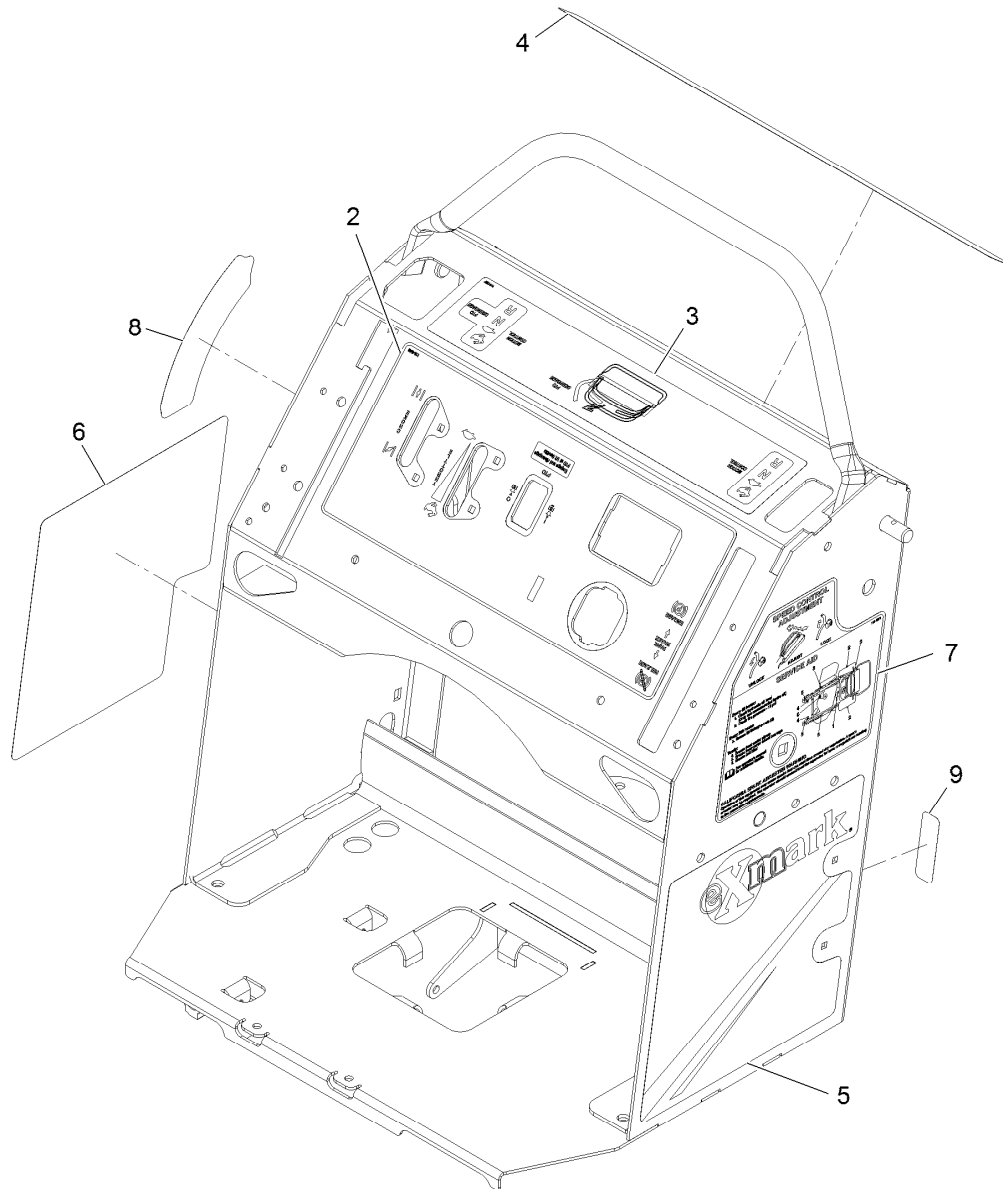


## Main Frame Assembly

| 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    | 1-543511    | 2    | Seal-Grease                 |
| 9    | 103-8618-01 | 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                  |

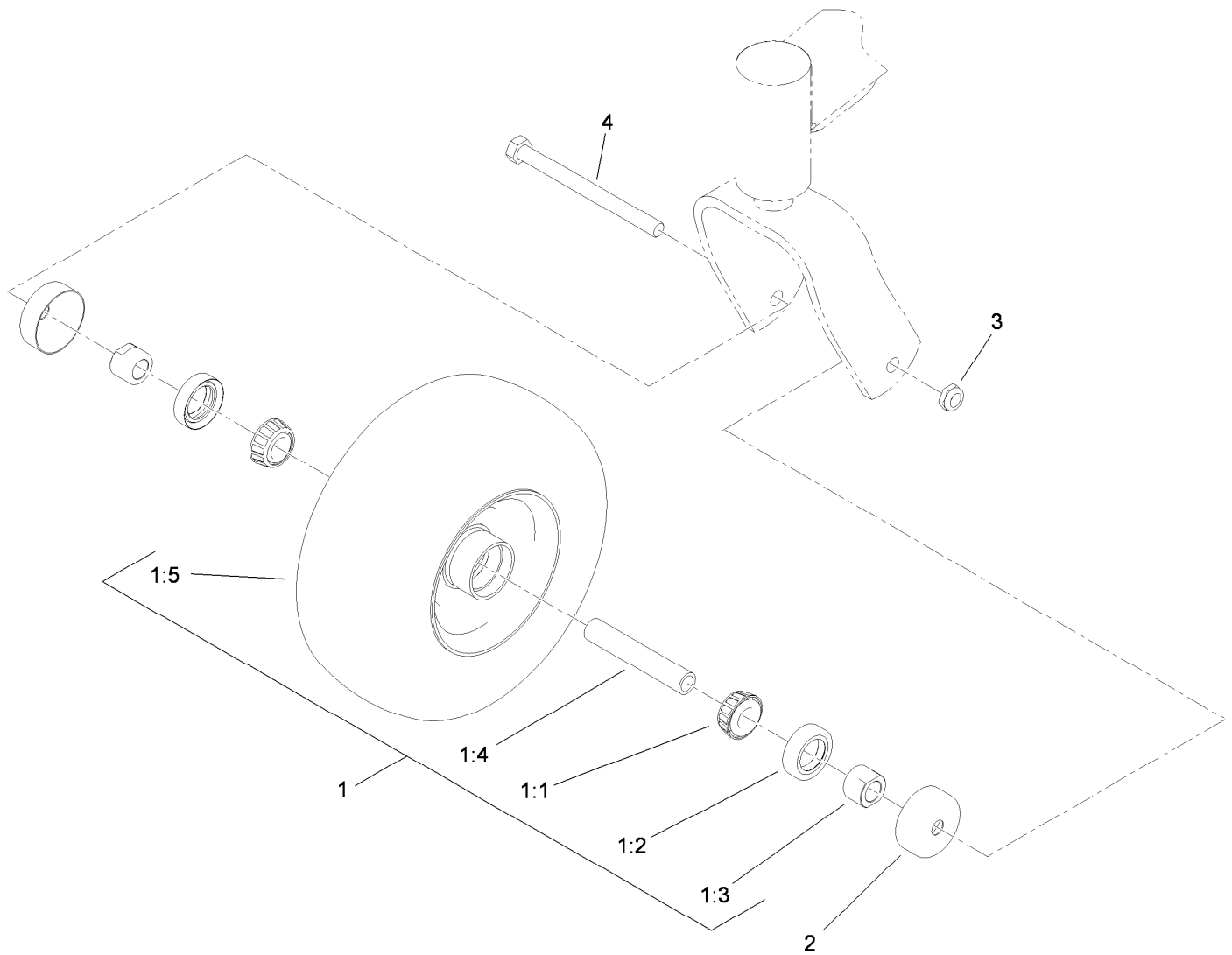
| Ref. | Part Number | Qty. | Description                  |
|------|-------------|------|------------------------------|
| 13   | 112-3810    | 2    | Wheel/Tire And Bearing ASM   |
| 14   | 119-0230    | 1    | Muffer Guard ASM             |
| 14:2 | 106-5517    | 1    | Decal-Warning, Hot Surface   |
| 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   | 116-4268    | 1    | Decal-Vantage Logo           |
| 26   | 32180-040   | 2    | Clip-Harness                 |





## Control Tower With Decals Assembly No. 116-6323

| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 2    | 116-4648    | 1    | Decal-Control Panel  |
| 3    | 116-1887    | 1    | Decal-Motion Control |
| 4    | 116-4647    | 1    | Decal-Warning        |
| 5    | 116-4269    | 1    | Decal-LH Panel       |
| 6    | 116-1909    | 1    | Decal-RH Panel       |
| 7    | 116-4271    | 1    | Decal-Service Aid    |
| 8    | 116-4270    | 1    | Decal-Height Of Cut  |
| 9    | 116-3267    | 1    | Decal-Fuse           |

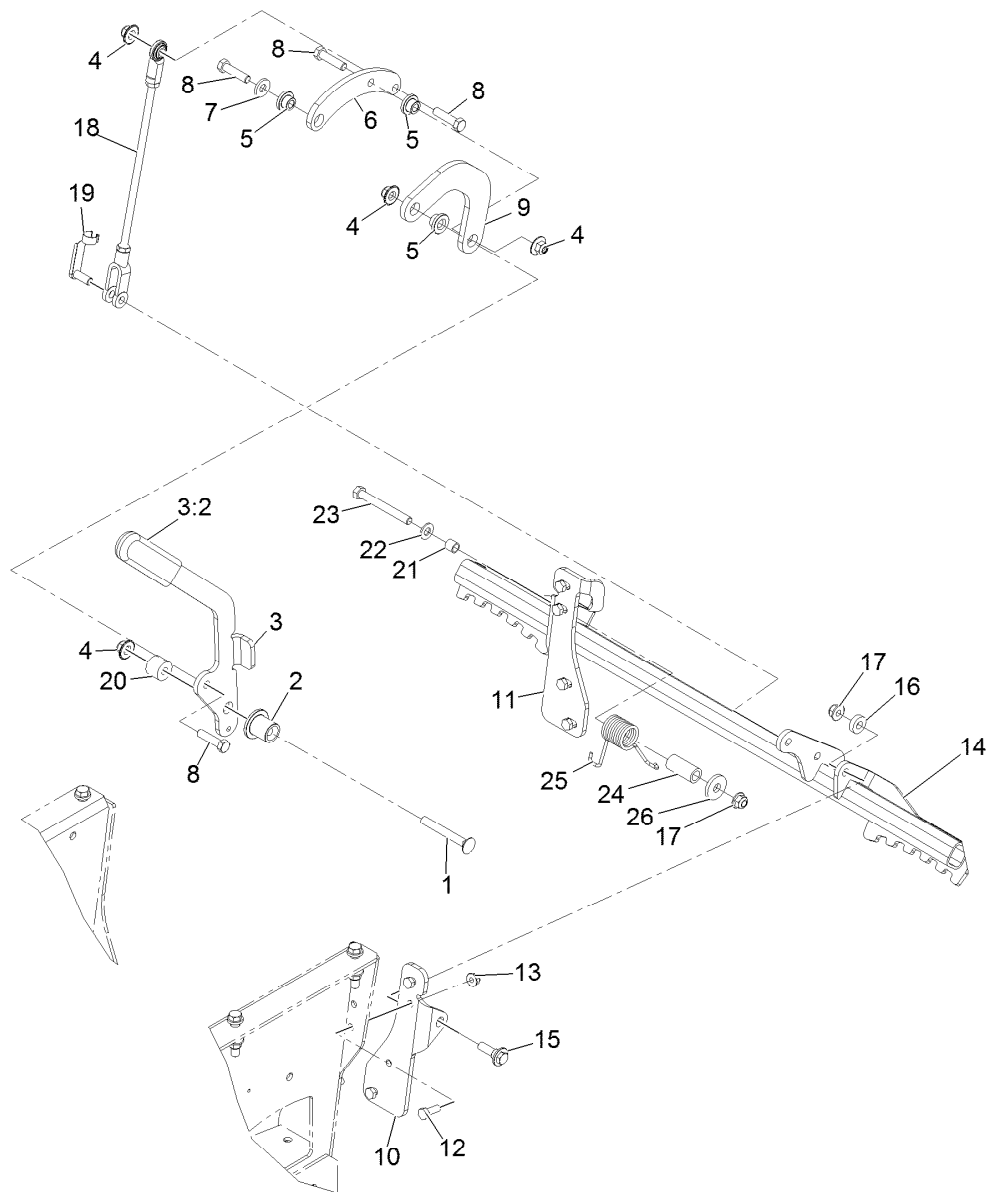


## Wheel and Bearing Assembly No. 112-3810

| 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

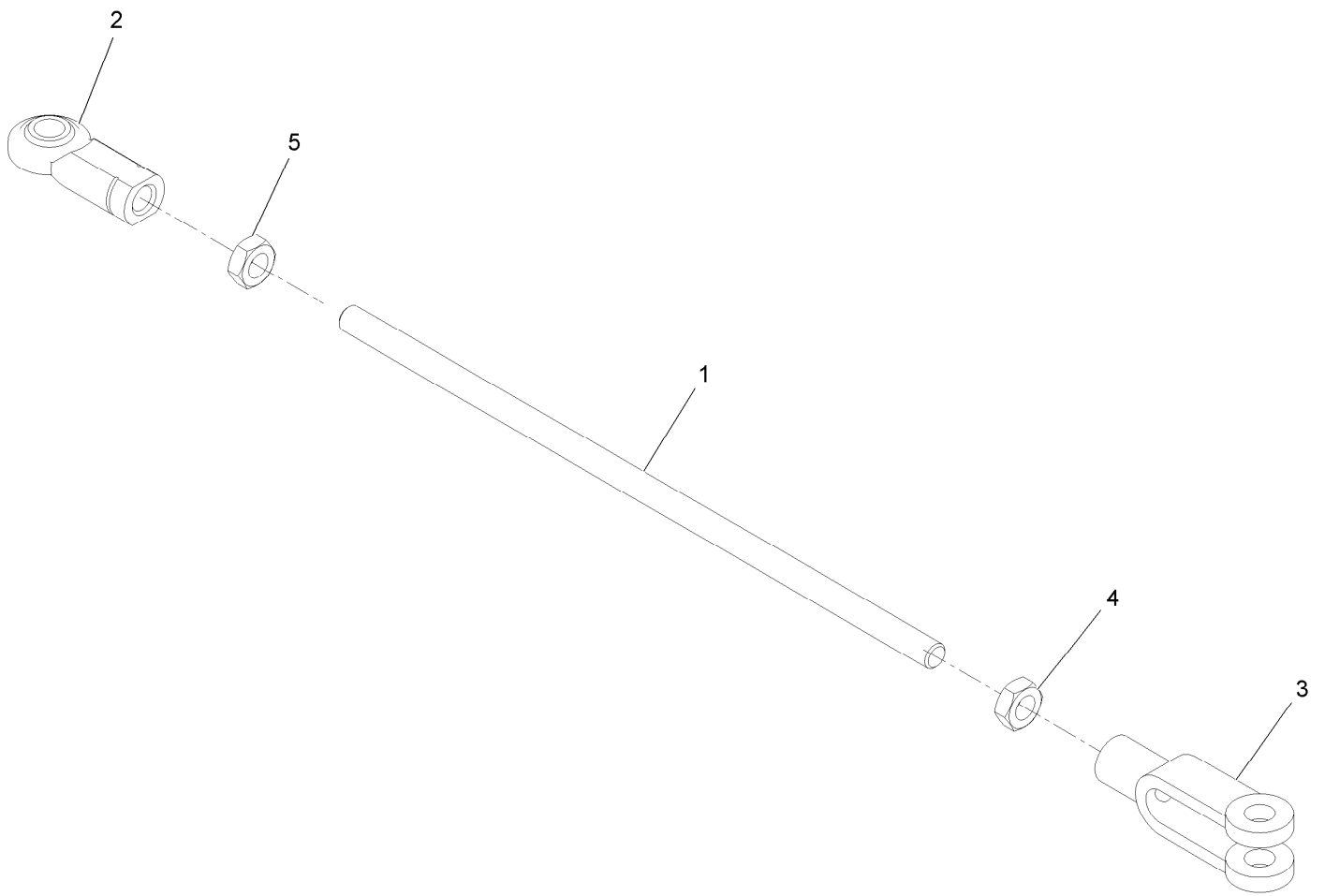
■ Use Pro-Lock, Nut Type (P/N 1-840022, .5ml tube) on spacer nut



## Park Brake Assembly

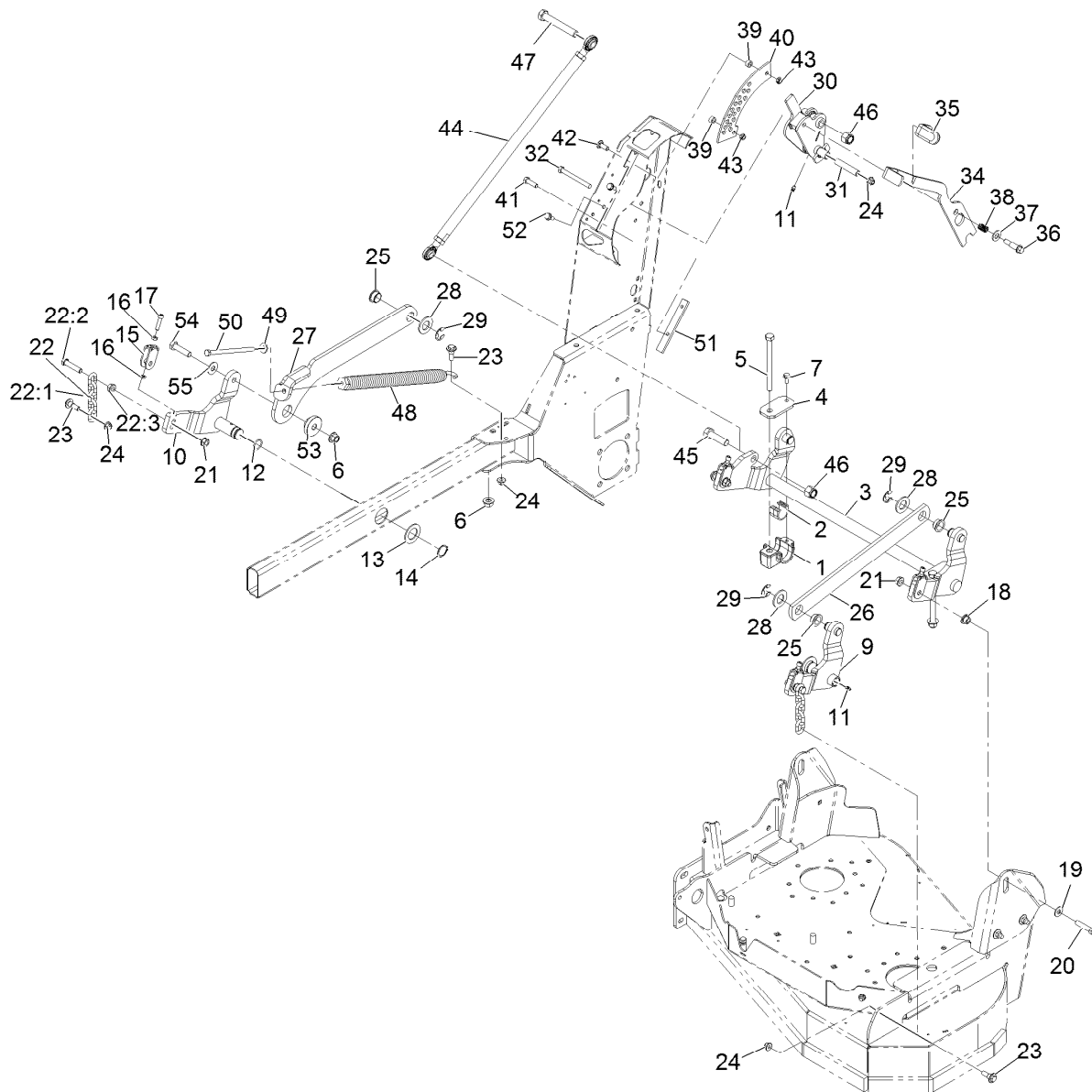
| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 1    | 3231-10     | 1    | Bolt-Carriage 3/8-16 X 3 |
| 2    | 116-4928    | 1    | Bushing-Handle           |
| 3    | 116-4680    | 1    | Handle-W/Grip ASM        |
| 3:2  | 1-633268    | 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    |

| Ref. | Part Number | Qty. | Description                   |
|------|-------------|------|-------------------------------|
| 14   | 116-4600-03 | 1    | Brake Bar ASM                 |
| 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

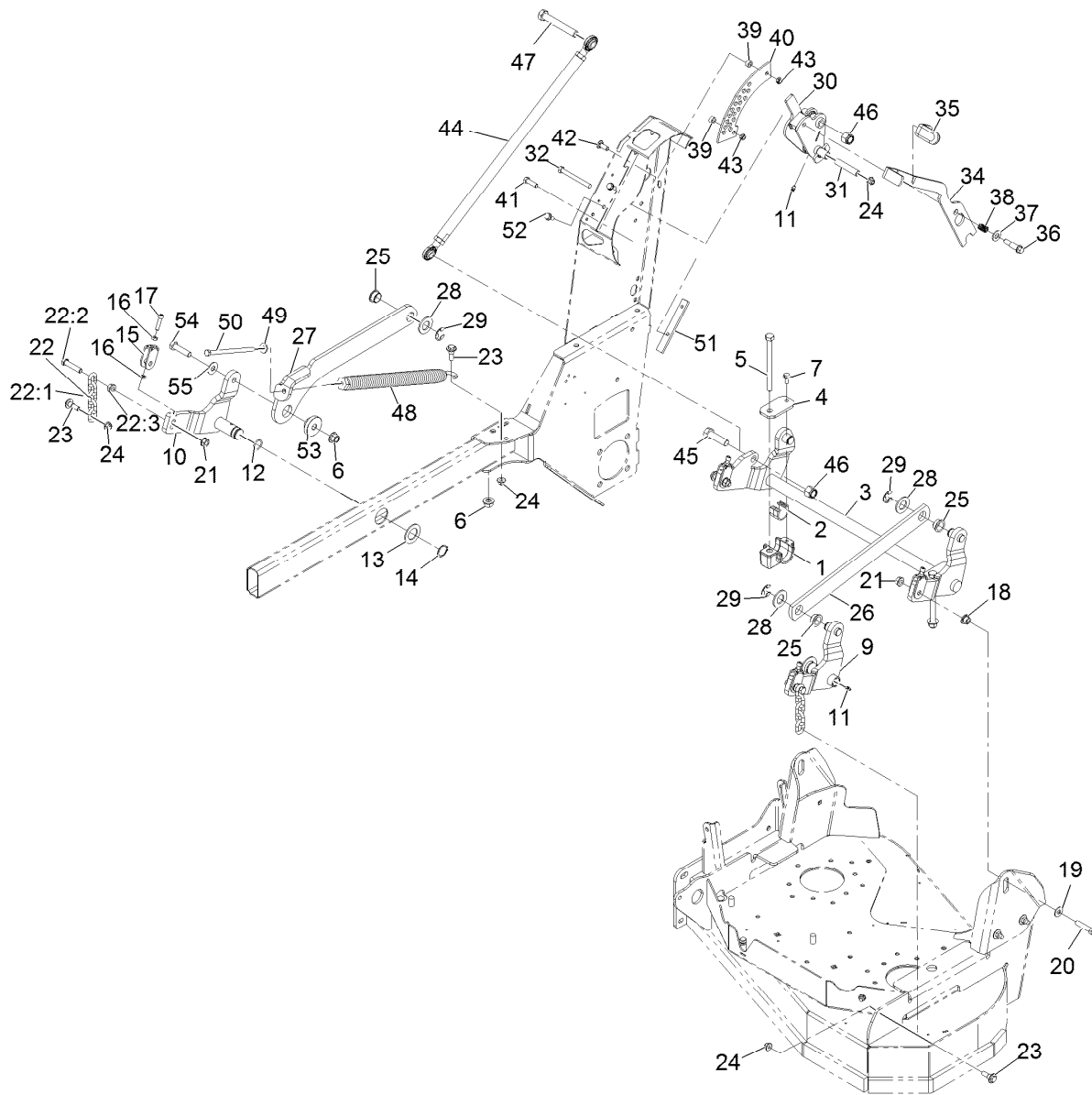
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>           |
|-------------|--------------------|-------------|------------------------------|
| 1           | 116-4818           | 1           | Rod-Brake Linkage            |
| 2           | 103-1167           | 1           | Joint-Ball 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

| 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         |

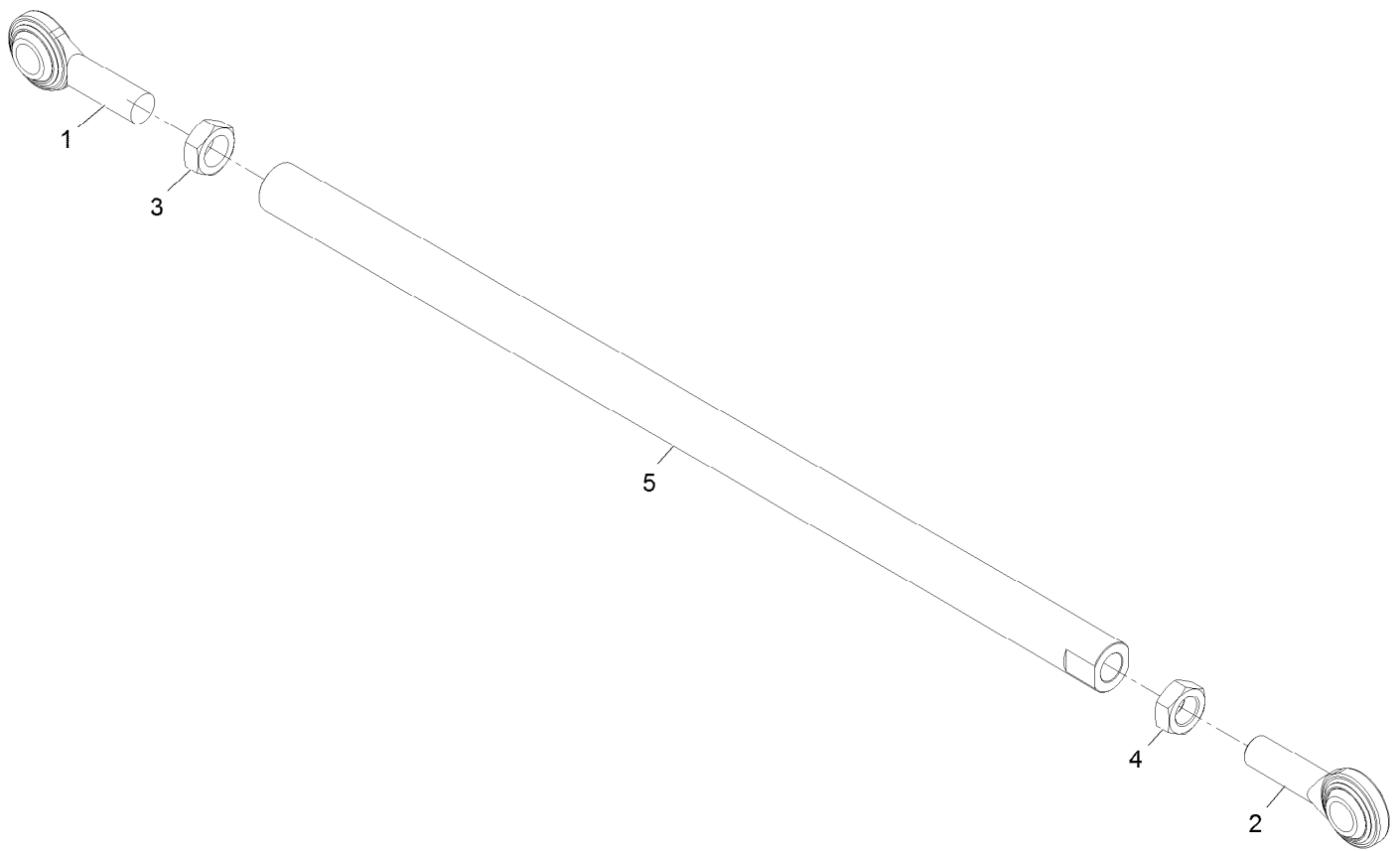
| Ref. | Part Number | Qty. | Description                   |
|------|-------------|------|-------------------------------|
| 22   | 116-0756    | 2    | Deck Lift Chain ASM           |
| 22:1 | 1-633447    | 1    | Chain-Lift, Deck              |
| 22:2 | 109-9065    | 1    | Screw-HH 7/16-14 X 2          |
| 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                       |



## Deck Lift Assembly (continued)

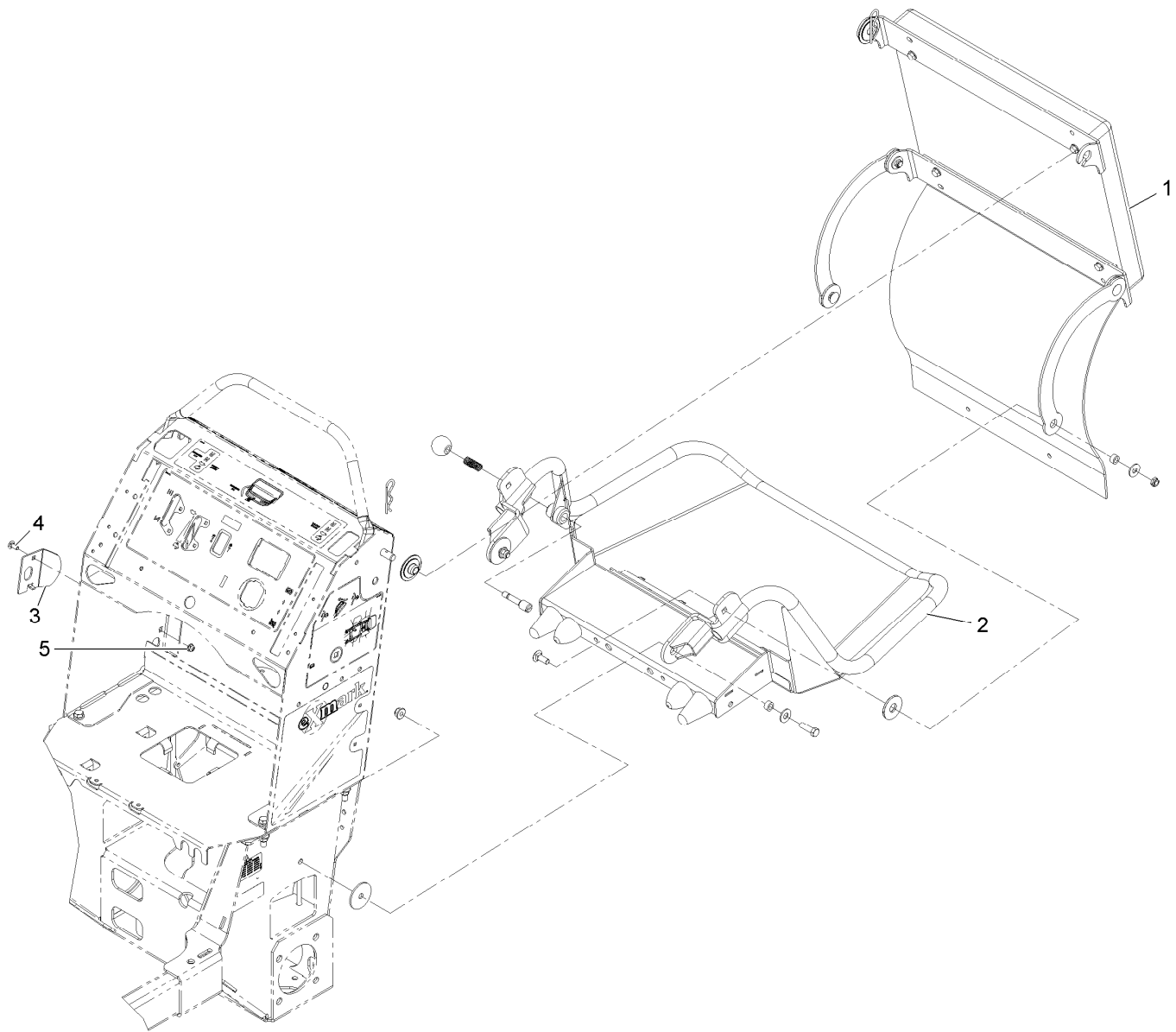
| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 40   | 116-3971    | 1    | Bracket-HOC              |
| 41   | 323-7       | 1    | Screw-HH 3/8-16 X 1 1/4  |
| 42   | 3231-22     | 1    | Bolt-Carriage 3/8-16 X 1 |
| 43   | 3296-59     | 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     |

| Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|
| 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

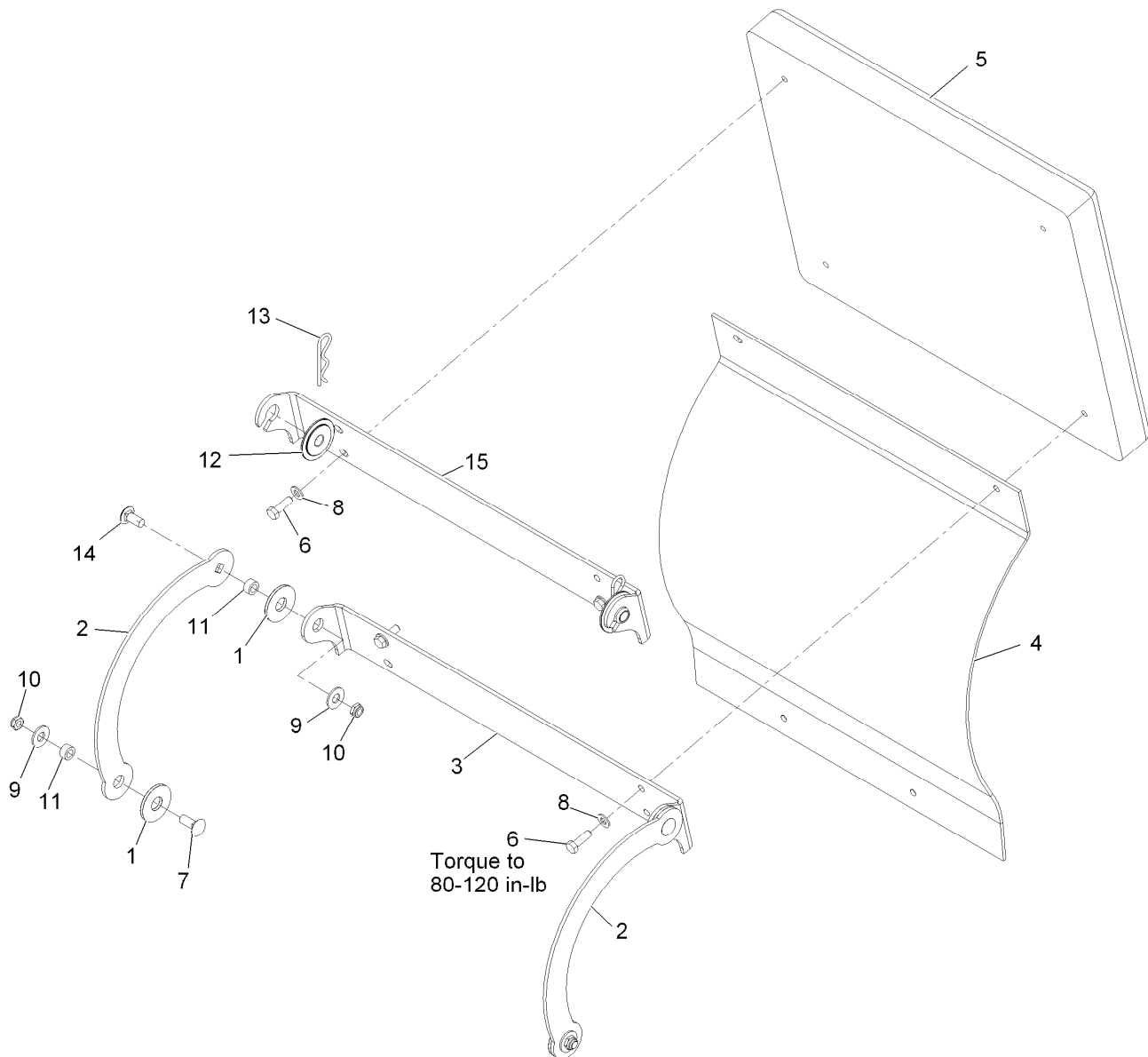
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>  |
|-------------|--------------------|-------------|---------------------|
| 1           | 1-633029           | 1           | Balljoint           |
| 2           | 117-5291           | 1           | Balljoint-Spherical |
| 3     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



## Platform Assembly

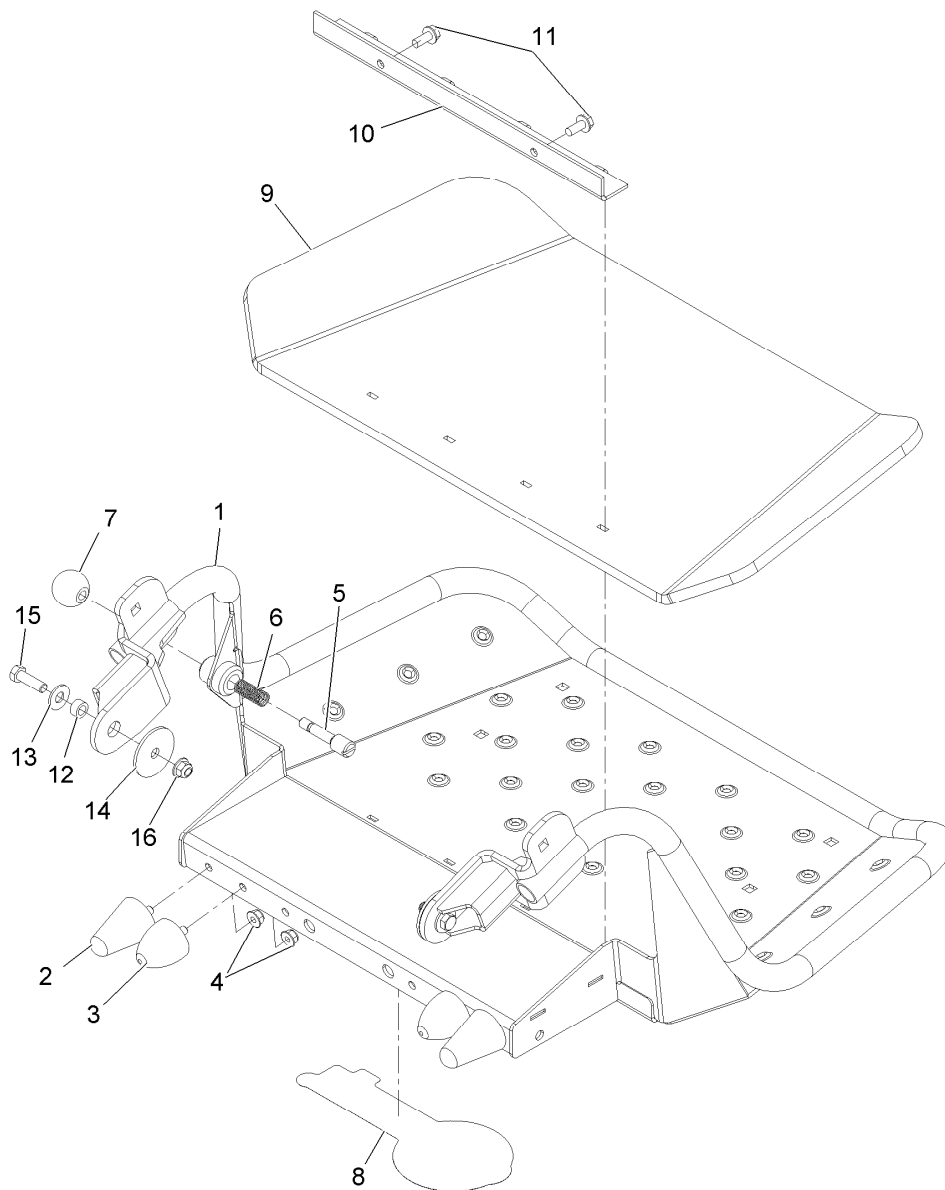
| Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|
| 1    | 116-1803    | 1    | Cushion ASM                |
| 2    | 116-3523    | 1    | Platform ASM               |
| 3    | 119-7312    | 1    | Plate-Striker              |
| 4    | 3229-11     | 1    | Bolt-Carriage 1/4-20 X 5/8 |
| 5    | 104-7201    | 1    | Nut-Nyloc 1/4-20 Flg       |





## Cushion Assembly No. 116-1803

| Ref. | Part Number | Qty. | Description                  |
|------|-------------|------|------------------------------|
| 1    | 114-0463    | 4    | Washer-Friction, Composite   |
| 2    | 114-1915-03 | 2    | Link-Pad                     |
| 3    | 116-2061-03 | 1    | Hinge-Pad                    |
| 4    | 116-3406    | 1    | Shield-Rear                  |
| 5    | 116-1790    | 1    | Pad,Grey Cushion             |
| 6    | 116-0648    | 4    | Screw-HH 5/16-18 X 1 W/Patch |
| 7    | 3231-2      | 2    | Bolt-Carriage 3/8-16 X 1     |
| 8    | 3256-23     | 4    | Washer-5/16 Sae              |
| 9    | 3256-4      | 4    | Washer-3/8 Std               |
| 10   | 3296-59     | 4    | Nut-Nyloc 3/8-16 Thin        |
| 11   | 111044      | 4    | Bushing                      |
| 12   | 116-2886    | 2    | Slide-Bushing                |
| 13   | 3290-355    | 2    | Pin-Hair                     |
| 14   | 3231-27     | 2    | Bolt-Carriage 3/8-16 X 7/8   |
| 15   | 116-2757-03 | 1    | Hinge-Pad                    |

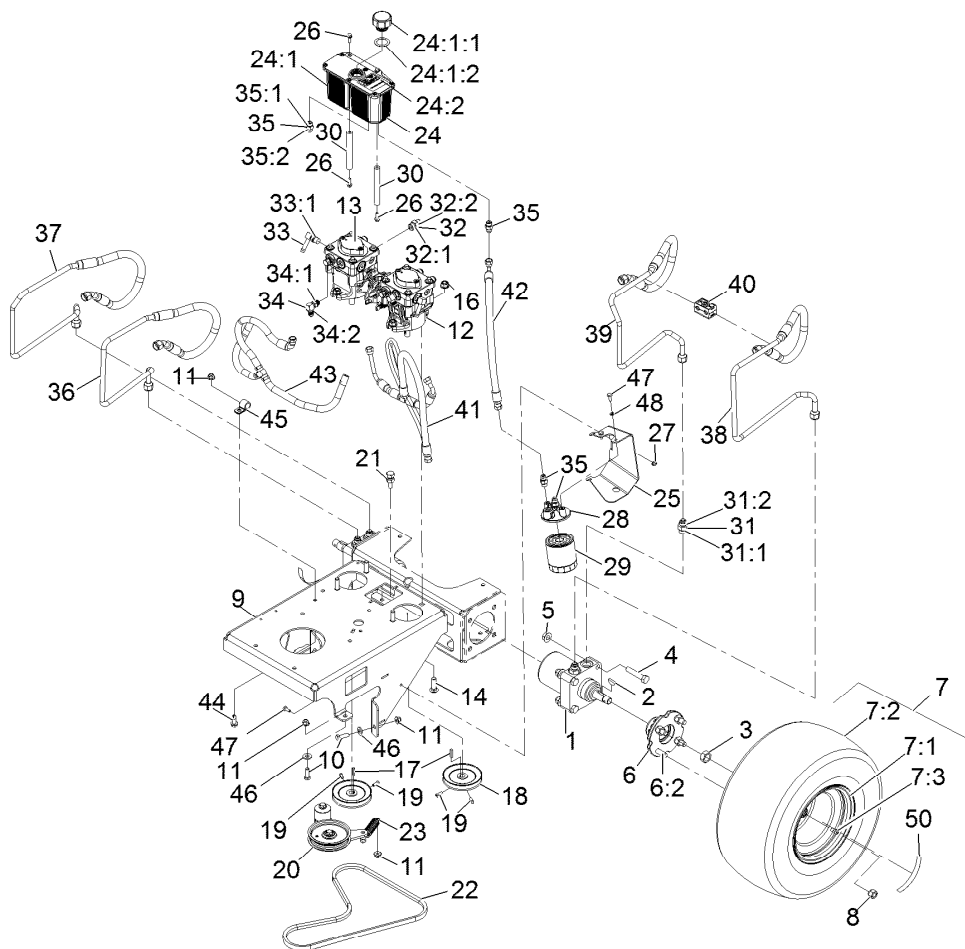


## Platform Assembly No. 116-3523

| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    | 117-7660-03 | 1    | Platform ASM          |
| 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    | 1-653546    | 1    | Decal, Exmark Logo    |
| 9    | 114-5349    | 1    | Mat-Foot              |

| Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|
| 10   | 114-1920-03 | 1    | Clamp-Shield               |
| 11   | 32144-11    | 2    | Screw-HWH 5/16-18 X 3/4 Tf |
| 12   | 111044      | 2    | Bushing                    |
| 13   | 3256-4      | 2    | Washer-3/8 Std             |
| 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

| 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 1/2-13 X 2 1/2       |
| 5    | 32128-23    | 8    | Nut-Hex 1/2-13 Side Lock      |
| 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 1/2-20                |
| 9    | 116-4744-01 | 1    | Engine Base                   |
| 10   | 323-18      | 4    | Screw-HH                      |
| 11   | 104-8301    | 6    | Nut-Nyloc 3/8-16 Flg          |
| 12   | 116-2572    | 1    | Pump - Hydraulic              |
| 13   | 116-4635    | 1    | Pump-Hydraulic                |
| 14   | 3232-3      | 4    | Bolt-Carriage 7/16-14 X 1 1/2 |
| 16   | 114-8417    | 4    | Nut-HF, NI                    |
| 17   | 1-807272    | 2    | Key-5Mm X 5Mm X 25Mm          |
| 18   | 105-5648    | 2    | Pulley-Pump ■                 |
| 19   | 3241-5      | 4    | Screw-Set ◆                   |
| 20   |             | 1    | Pump Idler ASM ●              |

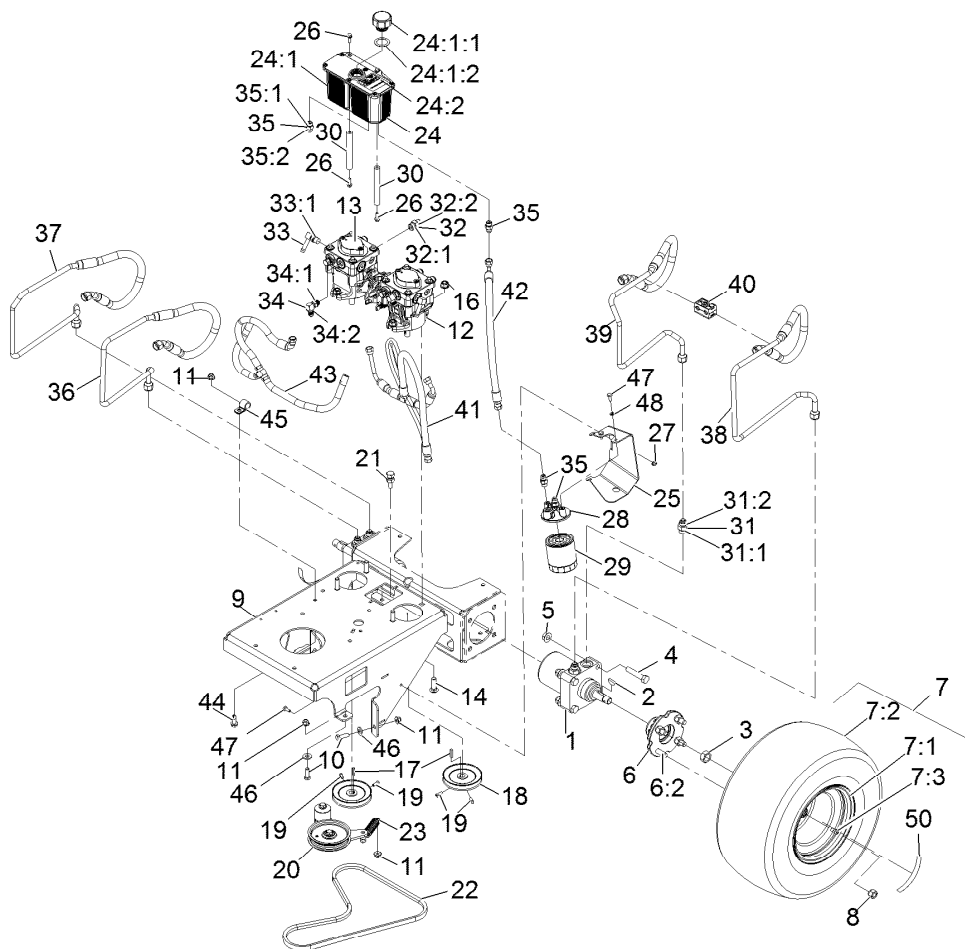
| Ref.   | Part Number | Qty. | Description                   |
|--------|-------------|------|-------------------------------|
| 21     | 114-5866    | 1    | Anchor-Spring, Short          |
| 22     | 119-0174    | 1    | Belt-V                        |
| 23     | 108-4056    | 1    | Spring-Extension              |
| 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   | 116-0404    | 1    | Decal-Hydraulic Tank          |
| 25     | 116-4319-01 | 1    | Plate-Filter Mount            |
| 26     | 117-8304    | 4    | Screw-Hex Flange 1/4-20 X 3/4 |
| 27     | 104-7201    | 1    | Nut-Nyloc 1/4-20 Flg          |
| 28     | 103-2888    | 1    | Head-Filter                   |
| 29     | 109-4180    | 1    | Filter,25 Micron              |
| 30     | 116-4343    | 2    | Rod-Reservoir Stand           |
| 31     | 1-603991    | 4    | Adapter-Straight              |
| 31:1   | 237-80      | 1    | O-Ring                        |
| 31:2   | 1-603992    | 1    | O-Ring-37 Flare #8            |
| 32     | 1-603990    | 4    | Adapter-Straight              |
| 32:1   | 1-603920    | 1    | O-Ring-Sae #8                 |
| 32:2   | 1-603992    | 1    | O-Ring-37 Flare #8            |
| 33     | 100-4887    | 2    | Fitting-Barbed, 90 DEG        |
| 33:1   | 237-42      | 1    | O-Ring                        |

● 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.



## Ground Drive Assembly (continued)

| Ref. | Part Number | Qty. | Description                             |
|------|-------------|------|-----------------------------------------|
| 34   | 103-2155    | 2    | Adapter-90°                             |
| 34:1 | 1-603921    | 1    | O-Ring-Sae #6                           |
| 34:2 | 103-1020    | 1    | O-Ring-37 Flare #6                      |
| 35   | 103-2156    | 4    | Adapter-Straight                        |
| 35:1 | 1-603921    | 1    | O-Ring-Sae #6                           |
| 35:2 | 103-1020    | 1    | O-Ring-37 Flare #6                      |
| 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<br>W/Retainers |

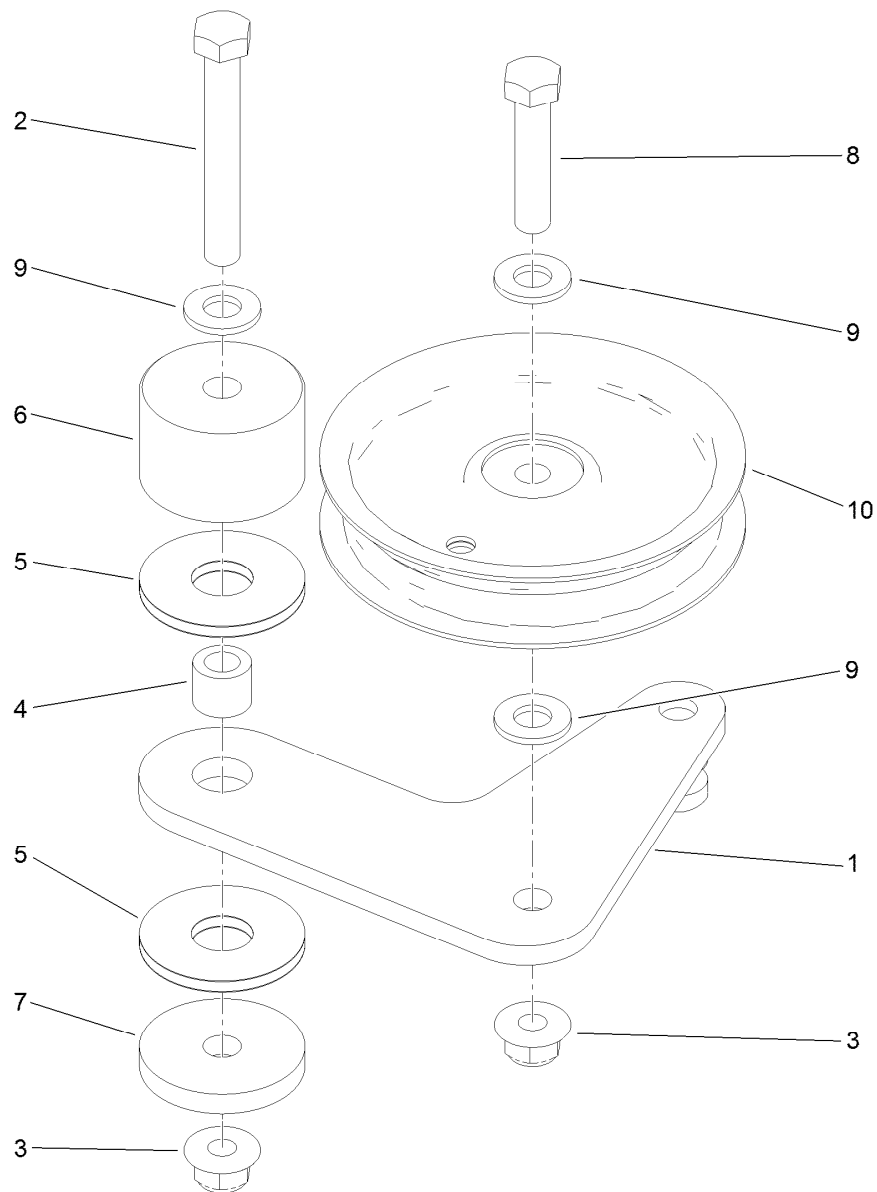
| Ref. | Part Number | Qty. | Description                 |
|------|-------------|------|-----------------------------|
| 41   | 116-5145    | 1    | Hose-ASM Charge             |
| 42   | 116-4252    | 1    | Hose ASM-HYD Lp<br>3/8X14.4 |
| 43   | 116-5460    | 1    | Hose ASM - HYD 3/8          |
| 44   | 105-6245    | 1    | Screw-Tapping               |
| 45   | 1-633396    | 1    | Clip-Loom 5/8               |
| 46   | 98-5975     | 4    | Washer-Spring Disc 3/8      |
| 47   | 321-3       | 3    | Screw-HH 1/4-20 X 5/8       |
| 48   | 1-805004    | 2    | Washer-Lock 1/4 Heavy       |
| 50   | 116-4181    | 2    | Decal-Wheel Hub             |

● Not serviced separately

▲ Use Exmark Premium Hydro Oil P/N 109-9828 (32oz)

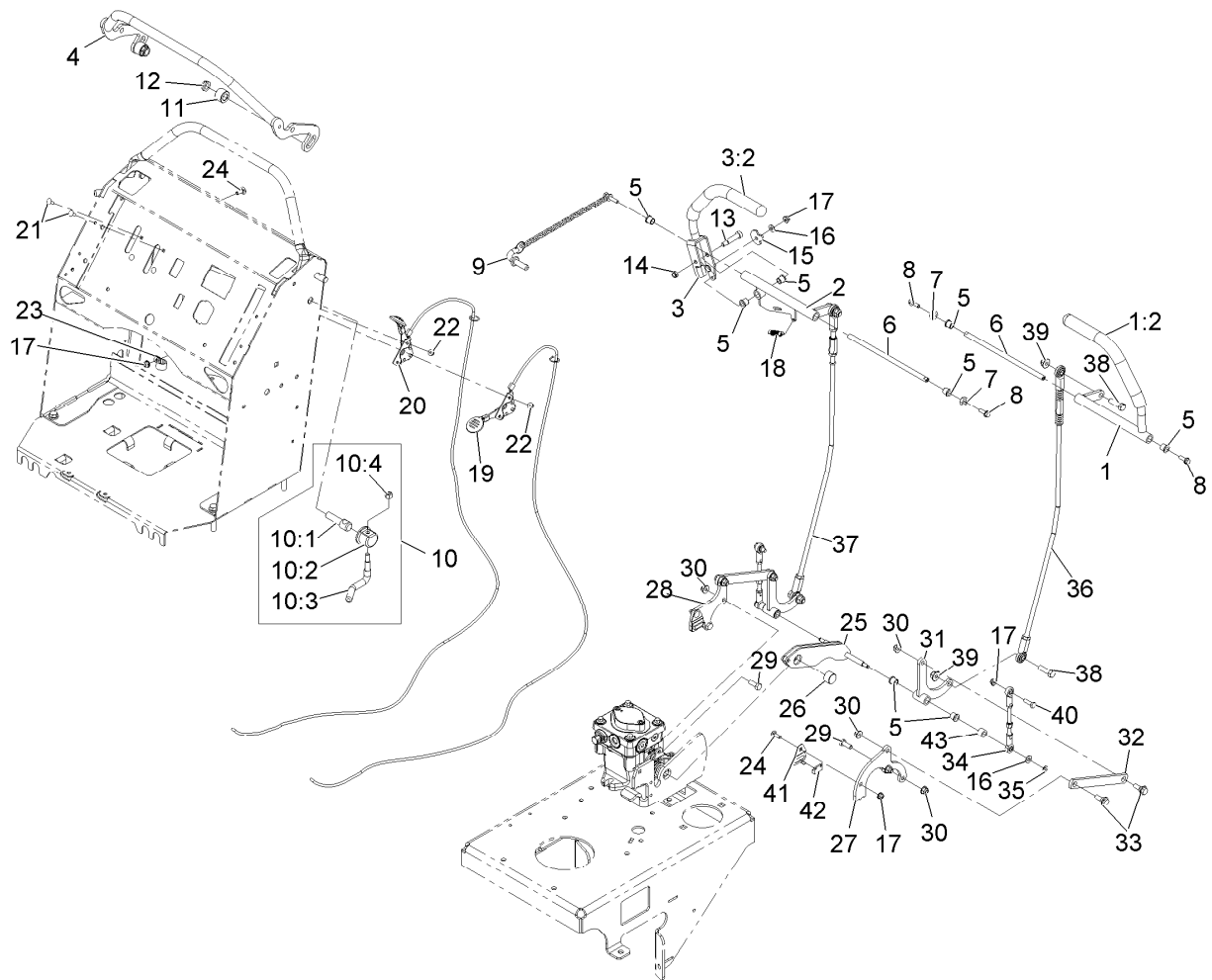
◆ Use Pro-Lock, Nut Type (P/N 1-840022, .5ml tube) on threads.

■ Apply anti-seize compound in bore.



## Pump Idler Assembly No. 117-7685

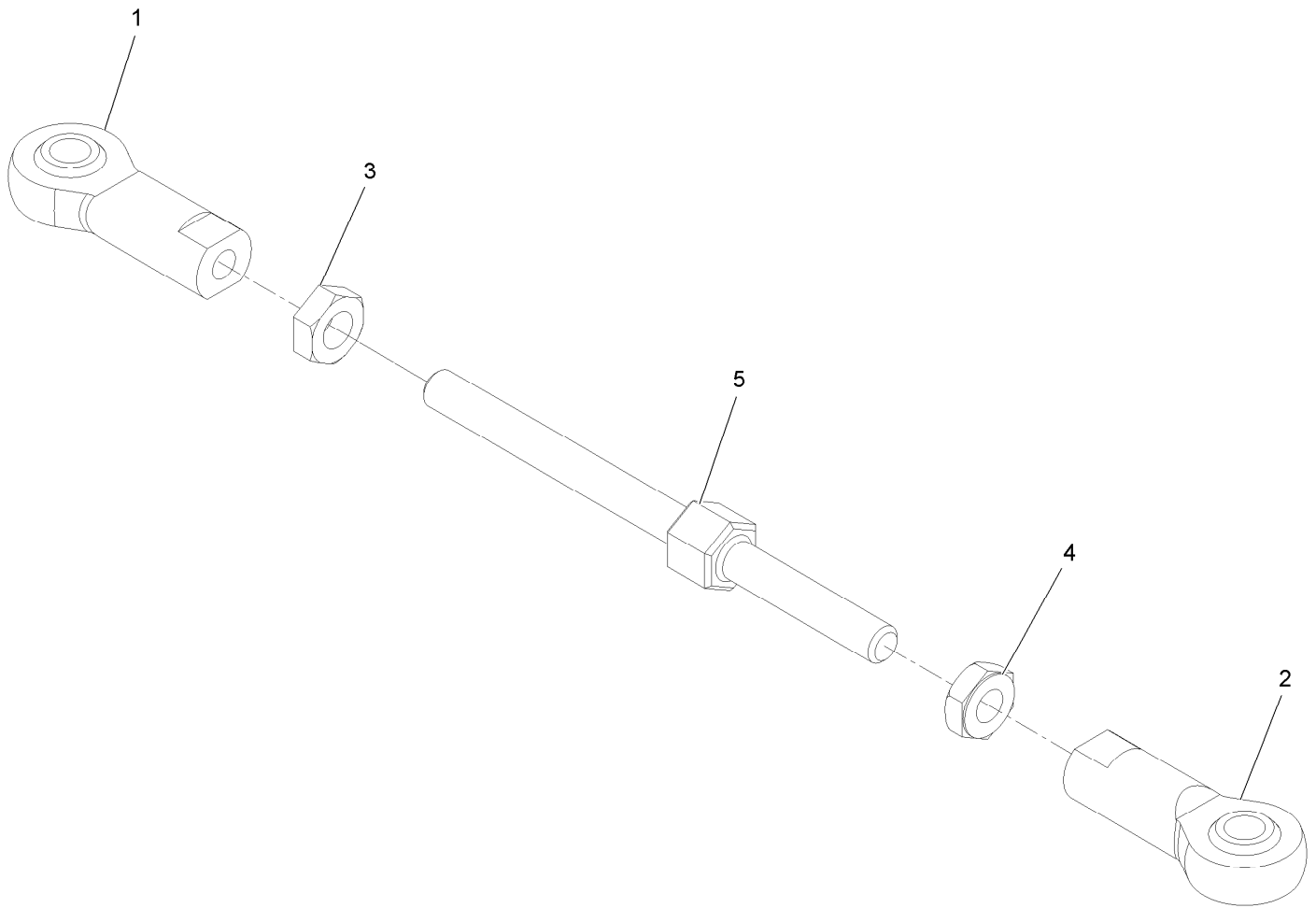
| Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|
| 1    | 117-7684    | 1    | Idler Plate ASM            |
| 2    | 323-13      | 1    | Screw-HH                   |
| 3    | 104-8301    | 2    | Nut-Flange, NI             |
| 4    | 1-413088    | 1    | Bushing-Lever, Lift        |
| 5    | 114-0463    | 2    | Washer-Friction, Composite |
| 6    | 117-3568    | 1    | Hub-Idler                  |
| 7    | 110-9981    | 1    | Washer-Plain               |
| 8    | 323-9       | 1    | Screw-HH                   |
| 9    | 3256-24     | 3    | Washer-Flat                |
| 10   | 93-1622     | 1    | Pulley-Idler               |



## Control Assembly

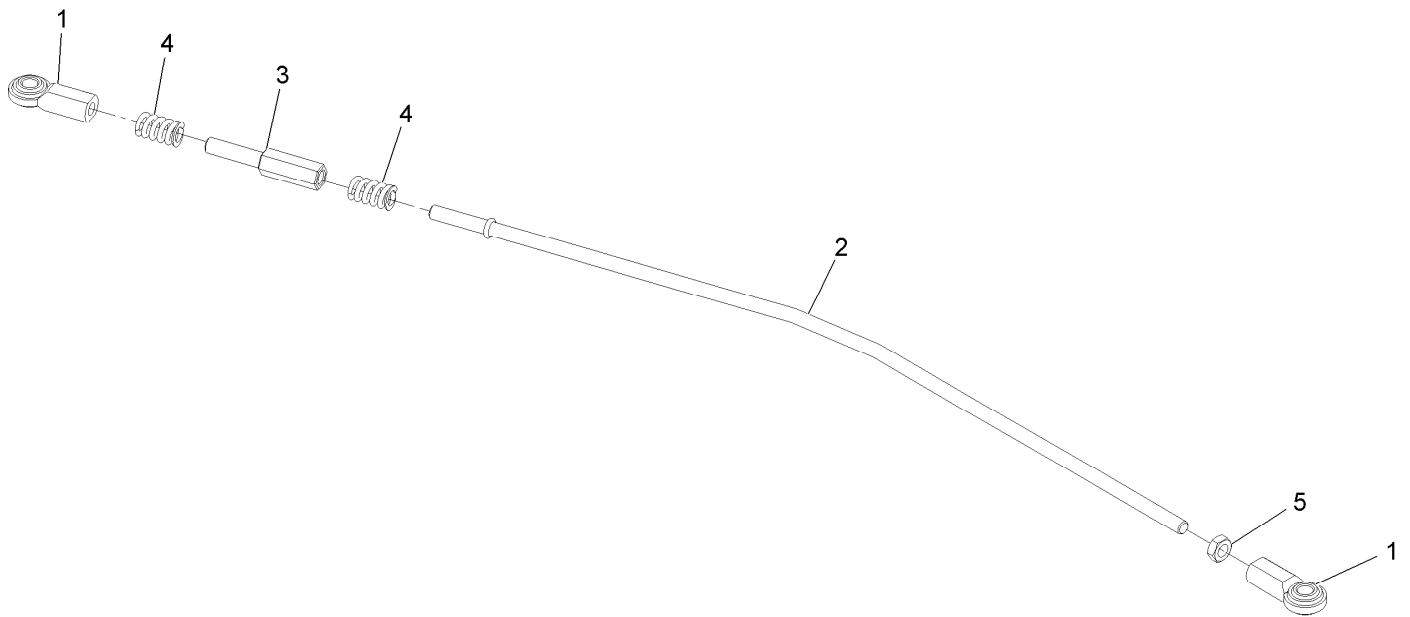
| Ref. | Part Number | Qty. | Description                     |
|------|-------------|------|---------------------------------|
| 1    | 116-4195    | 1    | Lever ASM, LH                   |
| 1:2  | 116-2357    | 1    | Grip-Handle, Control            |
| 2    | 116-4196-03 | 1    | Motion Control ASM, LH          |
| 3    | 116-2356    | 1    | Lever ASM, RH                   |
| 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-Drive Lever Shaft        |
| 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   | 114-0268    | 1    | Cam-Lever                       |
| 16   | 3256-22     | 3    | Washer-1/4 Sae                  |
| 17   | 104-7201    | 6    | Nut-Nyloc 1/4-20 Flg            |
| 18   | 114-0249    | 1    | Spring-Extension                |
| 19   | 116-4276    | 1    | Control-Throttle                |

| Ref. | Part Number | Qty. | Description                      |
|------|-------------|------|----------------------------------|
| 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

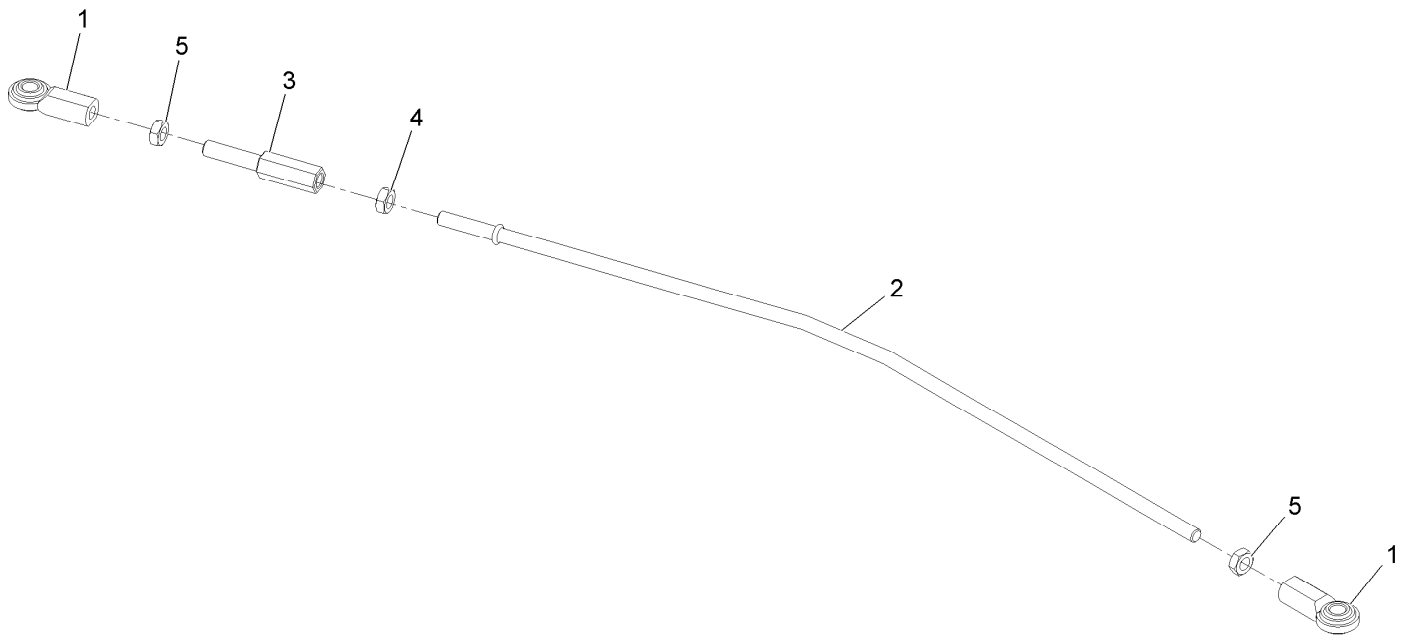
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>  |
|-------------|--------------------|-------------|---------------------|
| 1           | 2411-41            | 1           | Rod End-Ball Joint  |
| 2           | 104-4013           | 1           | Joint-Ball, LH      |
| 3           | 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

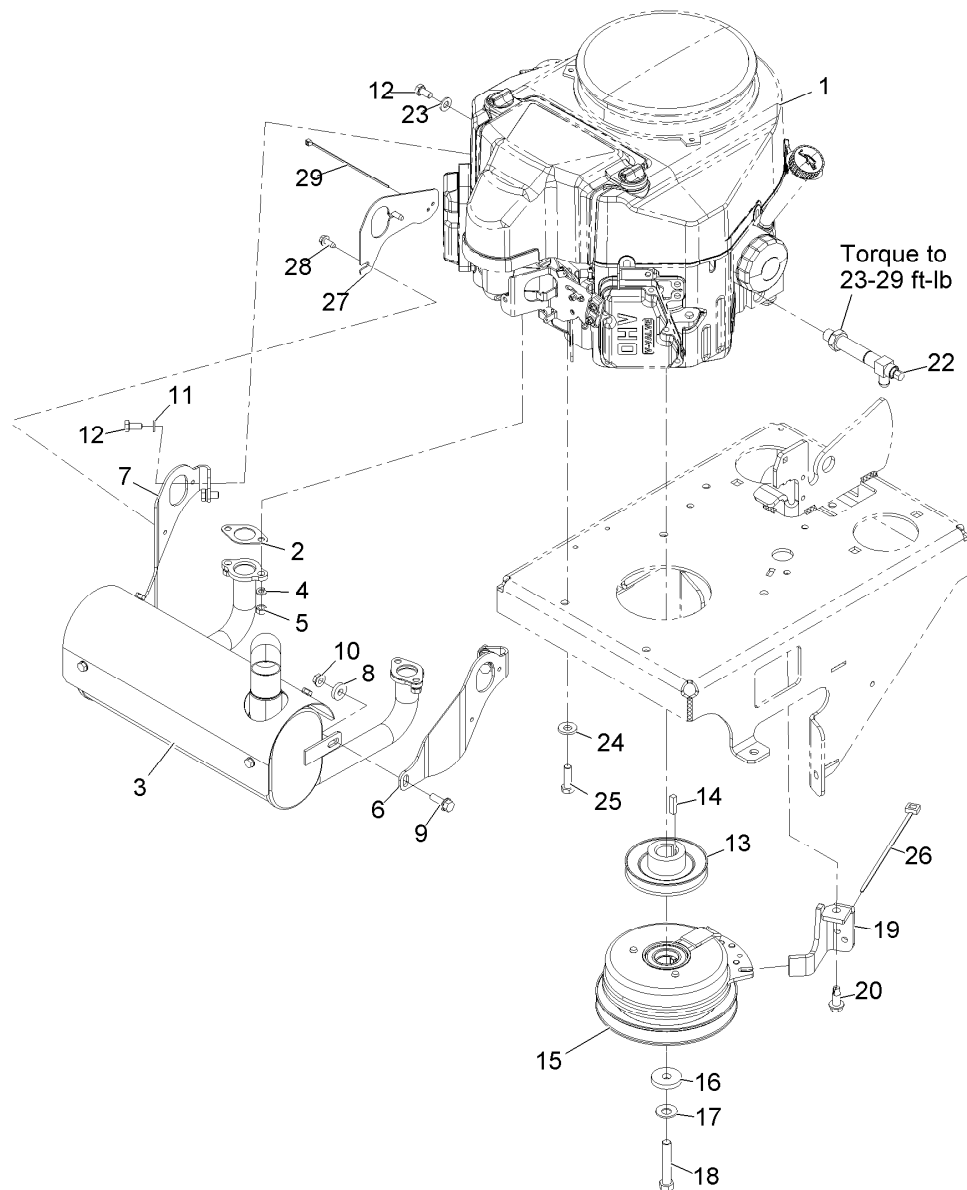
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>         |
|-------------|--------------------|-------------|----------------------------|
| 1           | 103-0608           | 2           | Balljoint                  |
| 2           | 116-4742           | 1           | Link-Lower, 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

| 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

| Ref. | Part Number | Qty. | Description                   |
|------|-------------|------|-------------------------------|
| 1    |             | 1    | Engine-Kawasaki, Fs541V<br>■◆ |
| 2    | 1-653313    | 2    | Gasket-Exhaust                |
| 3    | 116-2351    | 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     |

| Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|
| 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   | 116-2618    | 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

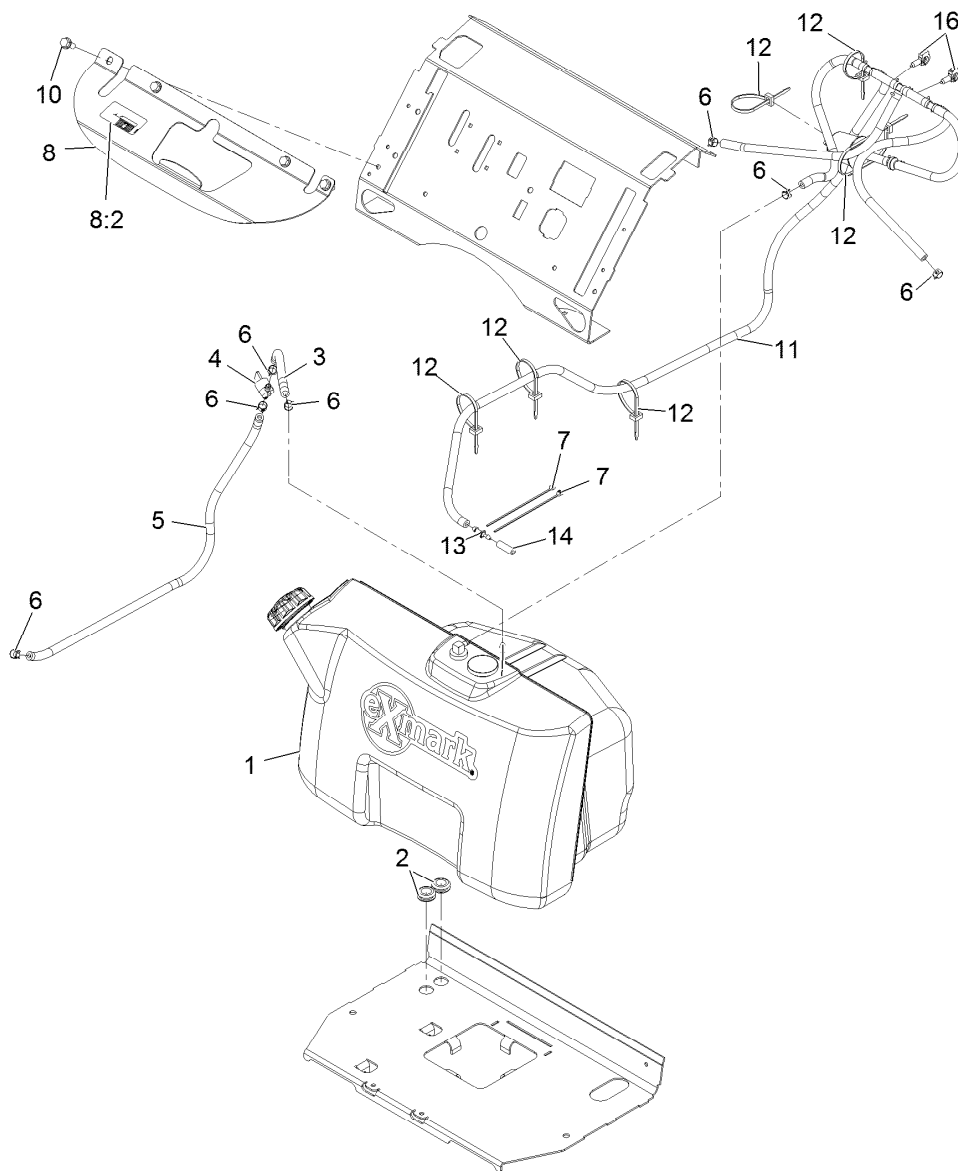
▲ Apply anti-seize compound in bore.

□ Use a Teflon Pipe Sealant or equivalent on threads.

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

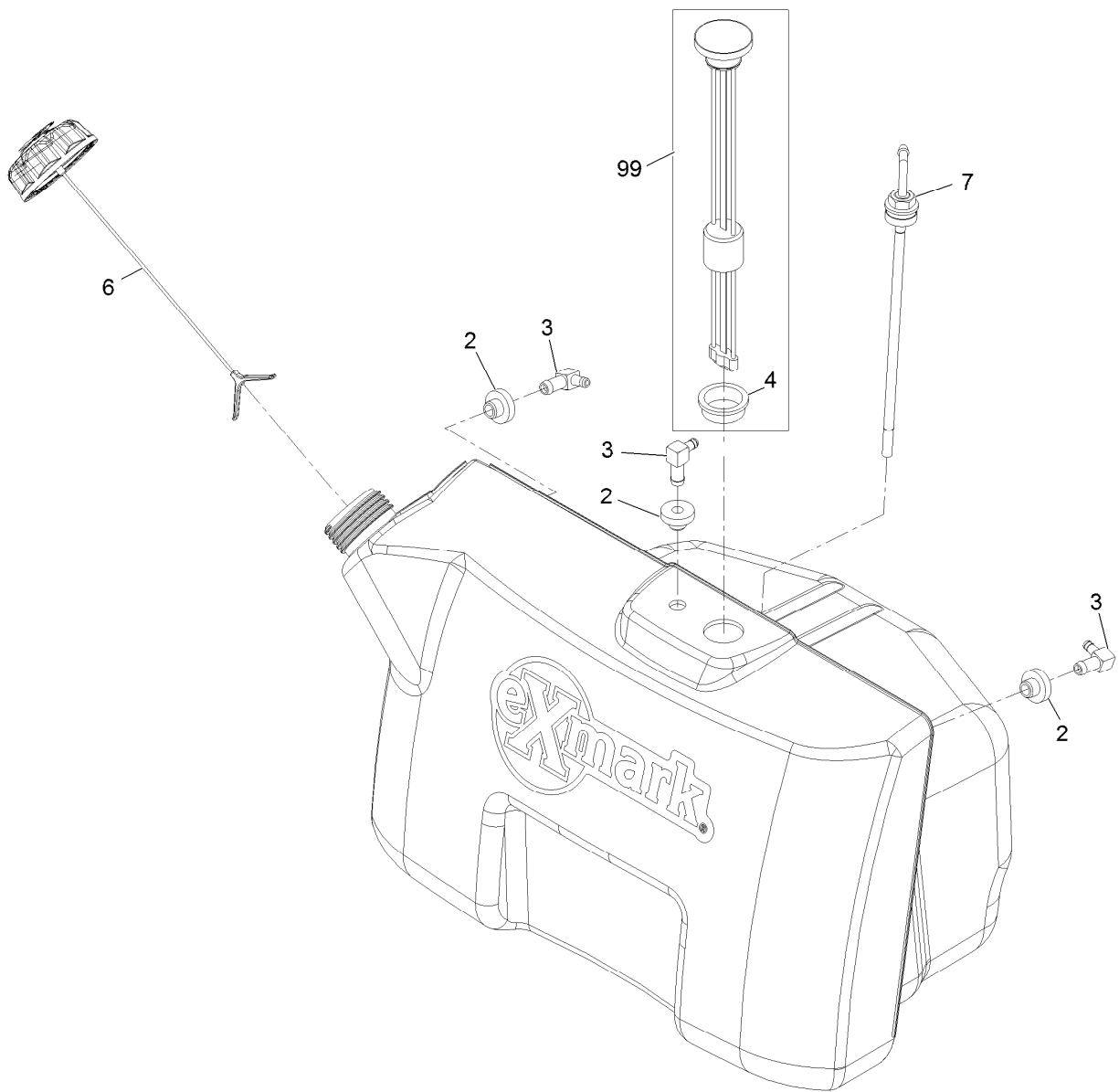
■ Not serviced separately

◆ Obtain parts from [www.kawpowerepc.com](http://www.kawpowerepc.com)



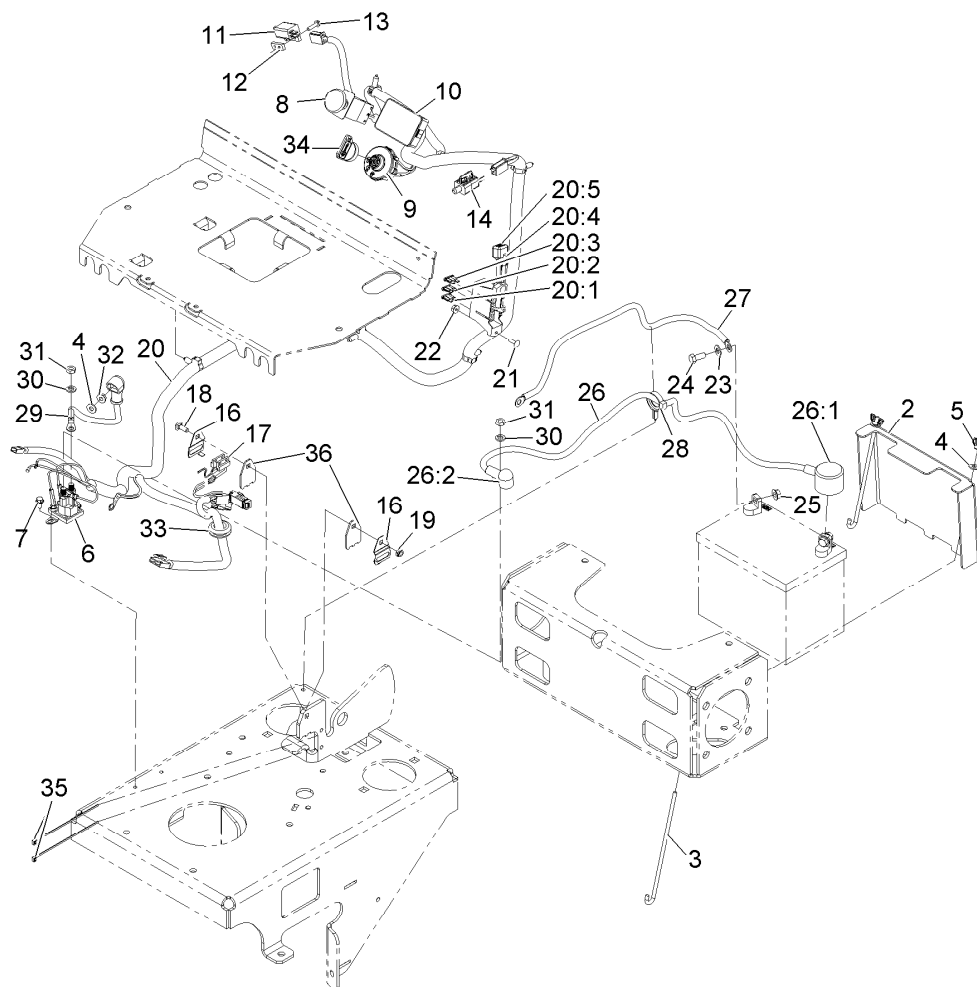
## Fuel Tank Mounting Assembly

| 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     | 7    | Clamp-Hose                 |
| 7    | 1-303287    | 2    | Tie-Cable 5 1/2 (Small)    |
| 8    | 116-3088    | 1    | Bracket-Tank               |
| 8:2  | 116-3290    | 1    | Decal-Fill, Fuel           |
| 10   | 32144-11    | 4    | Screw-HWH 5/16-18 X 3/4 Tf |
| 11   | 116-4636    | 1    | Vent ASM                   |
| 12   | 3290-378    | 6    | Tie-Cable                  |
| 13   | 106-8150    | 1    | Fitting-Straight           |
| 14   | 51-3216     | 1    | Hose-Fuel                  |
| 16   | 32180-040   | 2    | Clip-Harness               |



## Fuel Tank Assembly No. 116-4577

| Ref. | Part Number | Qty. | Description                        |
|------|-------------|------|------------------------------------|
| 2    | 46-6560     | 3    | Bushing                            |
| 3    | 1-643172    | 3    | Elbow-90 DEG                       |
| 4    | 95-8972     | 1    | Grommet                            |
| 6    | 116-1704    | 1    | Cap-Fuel, Ratcheting               |
| 7    | 116-3408    | 1    | Fitting-Fuel, Bulkhead             |
| 99   | 116-7264    | 1    | Kit, Vantage Fuel Gage Replacement |



## Electrical Assembly

| 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   | 1-513152    | 1    | Switch-N.C.                    |
| 12   | 1-633181    | 1    | Plate-Tapped                   |
| 13   | 32105-13    | 2    | Screw-HWH #10-24 X 3/4         |
| 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   | 116-4758    | 1    | Harness-Wire ●                 |
| 20:1 | 109103      | 1    | Fuse-Blade, 30 Amp             |
| 20:2 | 109102      | 1    | Fuse-Blade, 25 Amp             |

| Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|
| 20:3 | 218-578     | 1    | Fuse-Blade, 10 Amp         |
| 20:4 | 116-0053    | 1    | Cap-Plug                   |
| 20:5 | 103-3895    | 1    | Diode-Tvs                  |
| 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    | ASM,Positive Battery Cable |
| 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:**

## MAXIMIZE THE PERFORMANCE OF YOUR EXMARK.

### **4-CYCLE PREMIUM ENGINE OIL**

Part No. 116-3373

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.

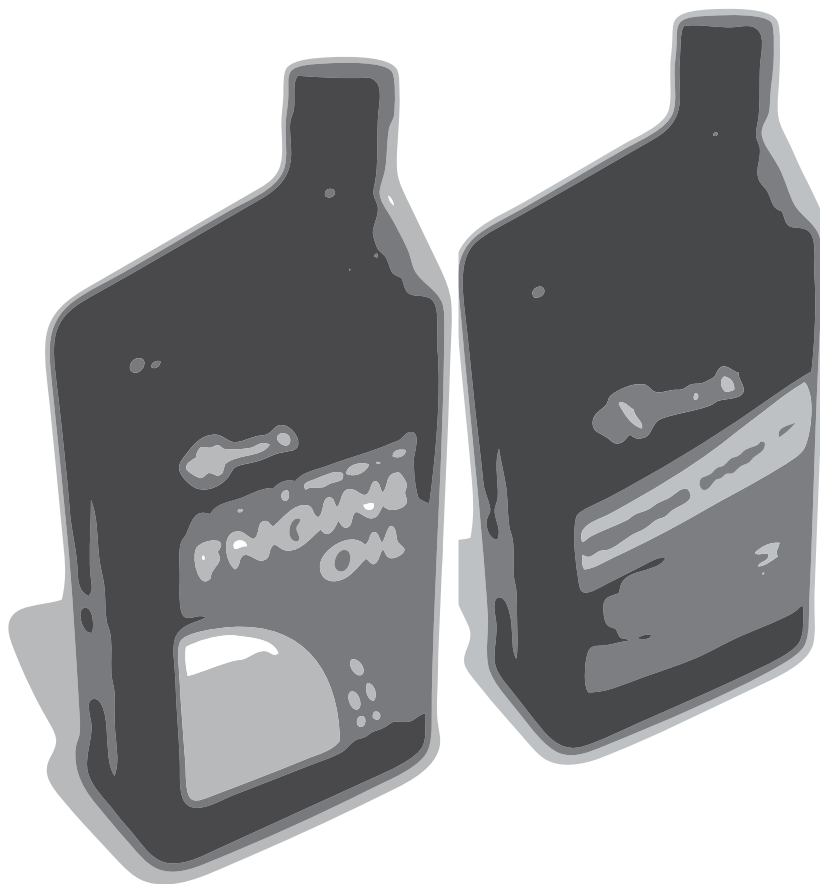
### **PREMIUM HYDRO OIL**

Part No. 109-9828

Commercial quality for tough, high-heat conditions.

Designed specifically for zero-turn mower hydraulic systems.

Superior shear resistance under heavy loads.



Available from your local Exmark dealer. Find your closest dealer at [exmark.com](http://exmark.com)

## EXMARK ACCESSORIES AND OPTIONS\*

### MID-MOUNT RIDING ACCESSORIES AND OPTIONS

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

### OUT-FRONT RIDING ACCESSORIES AND OPTIONS

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

### WALK-BEHIND ACCESSORIES AND OPTIONS

|                    |              |
|--------------------|--------------|
| GRASS CATCHER      | TURF STRIPER |
| MICRO-MULCH SYSTEM | 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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