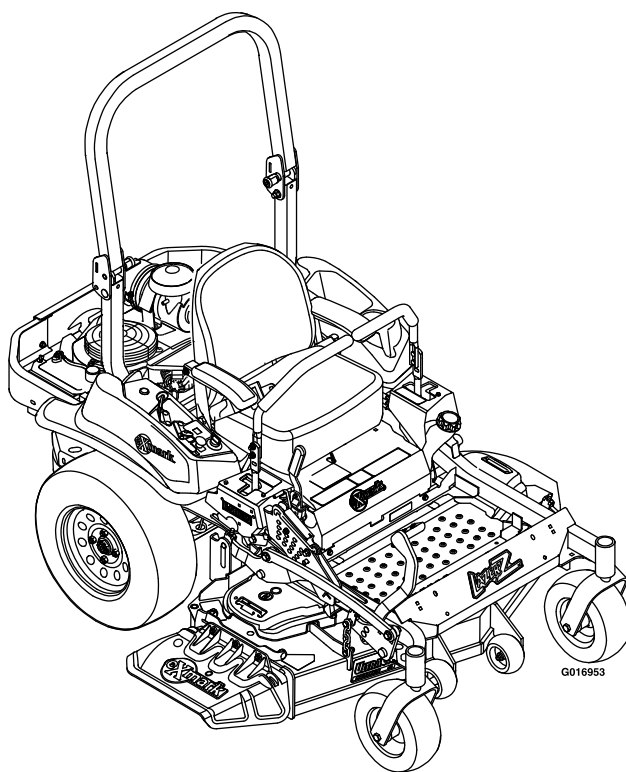




# **LAZER Z<sup>®</sup> E-SERIES**

**Model No. LZE600KA484—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.

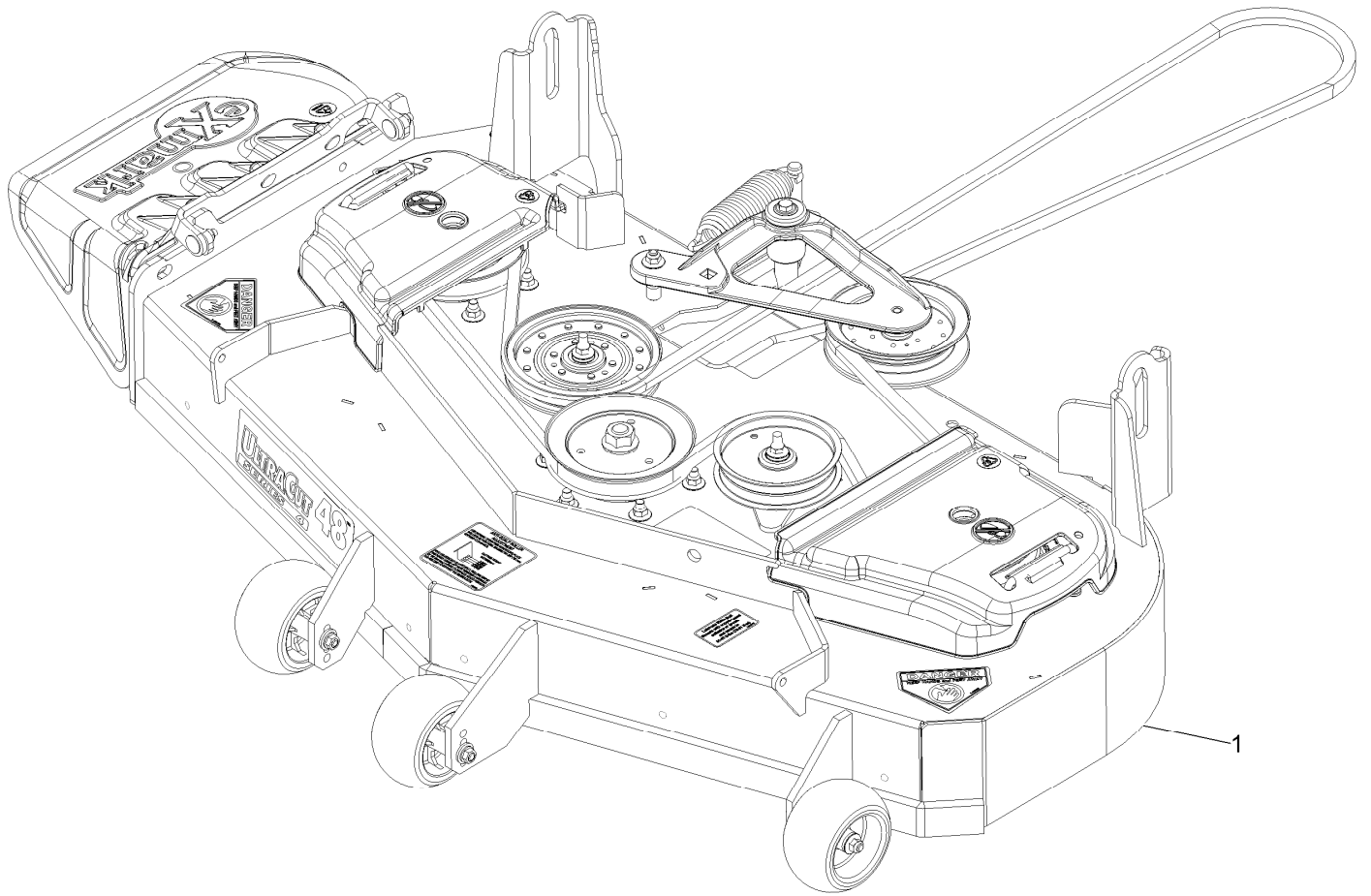
Exmark red touch up paint (spray paint – P/N 1-850337 - .6 oz liquid bottle – P/N 103-9140).



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.)

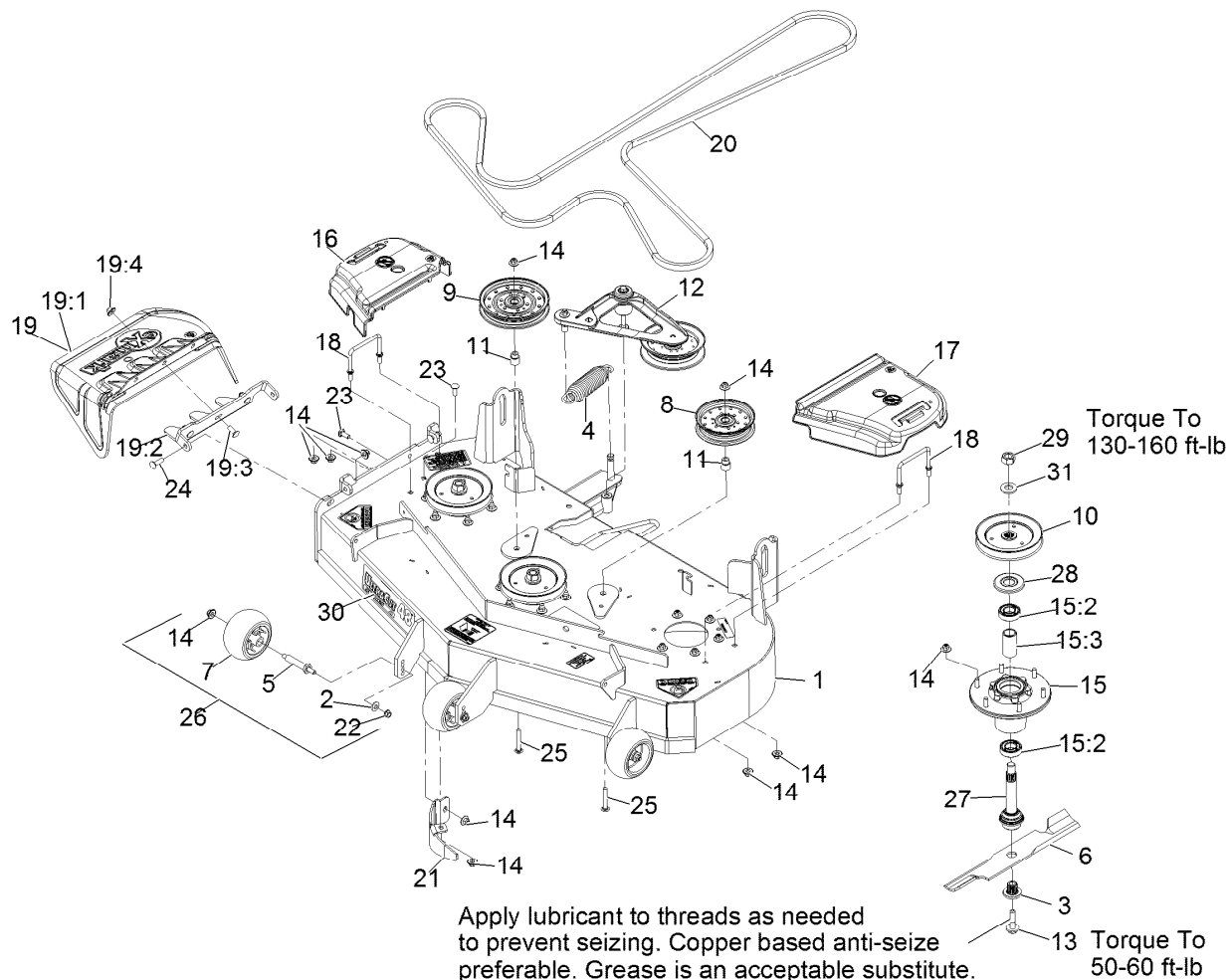
## Contents

|                                                         |    |
|---------------------------------------------------------|----|
| Complete Deck Assembly .....                            | 4  |
| Deck Assembly .....                                     | 5  |
| Deck W/Decals Assembly No. 116-1978 .....               | 6  |
| Deck Idler Assembly No. 116-3755 .....                  | 7  |
| Main Frame Assembly .....                               | 8  |
| Roll-Over Protection System Assembly No. 116-2882 ..... | 9  |
| Caster Wheel and Fork Assembly .....                    | 10 |
| Deck Lift Assembly .....                                | 11 |
| Height-of-Cut Assembly No. 116-1970 .....               | 12 |
| Control Assembly .....                                  | 13 |
| Motion Control Assembly .....                           | 14 |
| Rear Wheel and Park Brake Assembly .....                | 15 |
| Parking Brake Handle Assembly No. 116-7551 .....        | 16 |
| Seat Assembly .....                                     | 17 |
| Seat W/Tracks Assembly No. 116-6192 .....               | 18 |
| Fuel Tank Mounting Assembly .....                       | 19 |
| Fuel Tank Assembly No. 116-3978 .....                   | 20 |
| Engine Assembly .....                                   | 21 |
| Hydraulic Assembly .....                                | 22 |
| LH Hydro Assembly No. 116-6417 .....                    | 23 |
| RH Hydro Assembly No. 116-6418 .....                    | 24 |
| Pump Idler Assembly No. 116-1255 .....                  | 25 |
| Electrical Assembly .....                               | 26 |



## Complete Deck Assembly

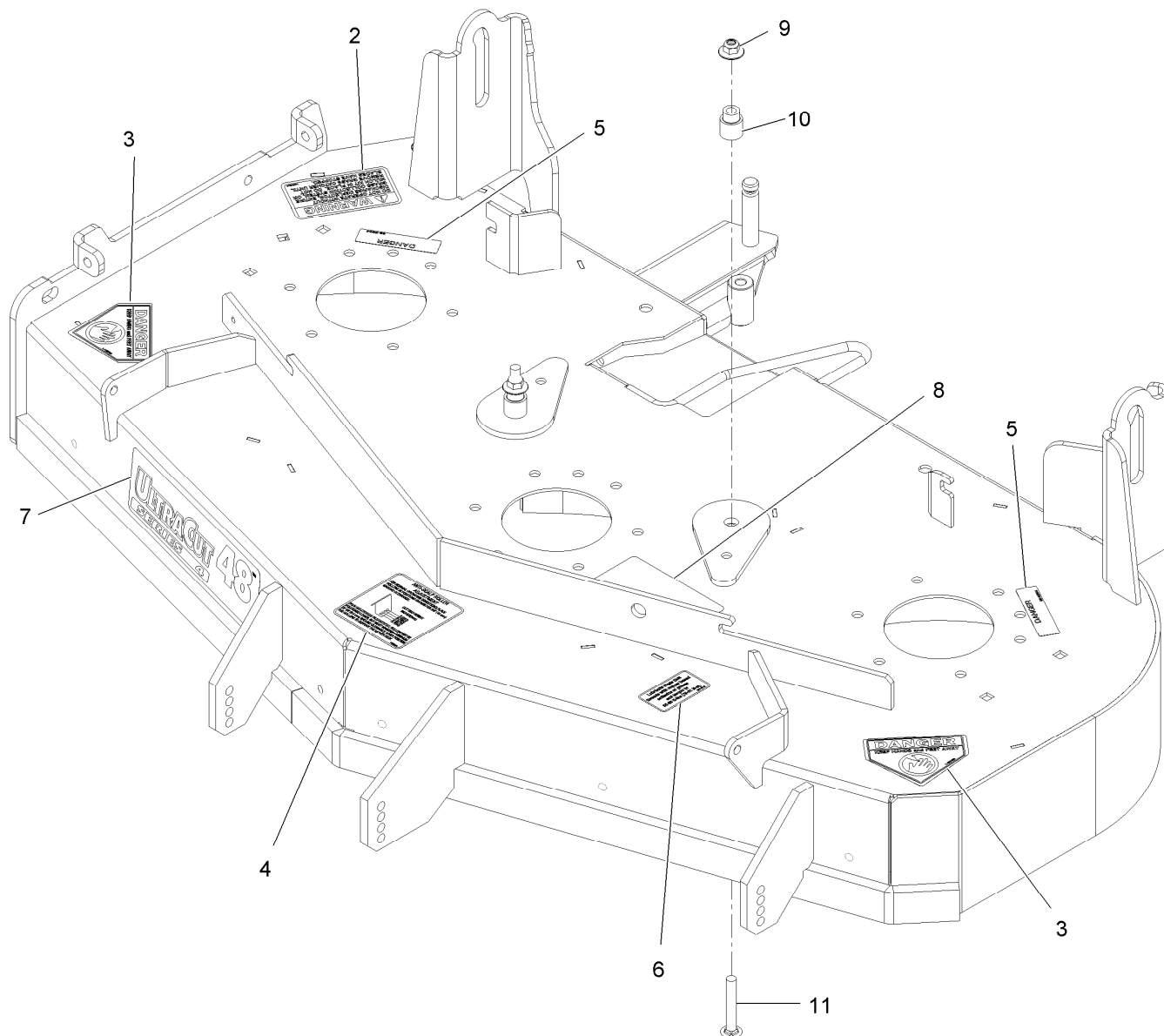
| Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|
| 1    | 116-3605    | 1    | Complete Push Deck ASM-484 |



## Deck Assembly

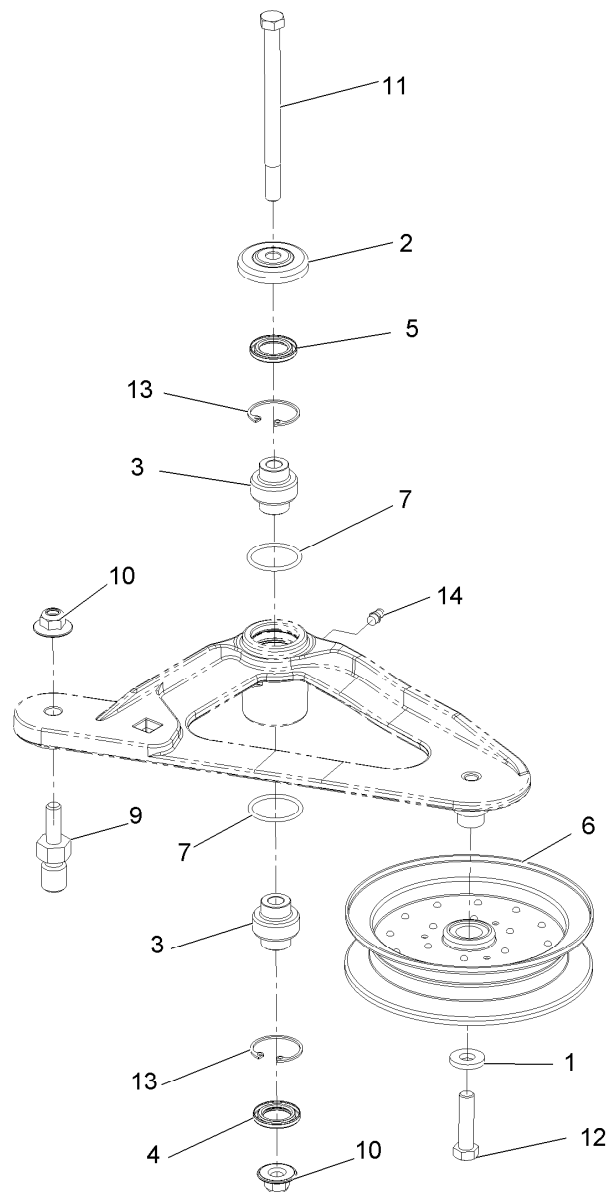
| Ref. | Part Number | Qty. | Description                  | Ref. | Part Number | Qty. | Description                  |
|------|-------------|------|------------------------------|------|-------------|------|------------------------------|
| 1    | 116-1978    | 1    | ASM,484 Deck With Decals     | 15:3 | 116-3312    | 1    | Spacer-Bearing               |
| 2    | 98-5975     | 3    | Washer-Spring Disc 3/8       | 16   | 109-6935    | 1    | Cover-Belt, RH               |
| 3    | 103-3037    | 3    | Bushing,Splined              | 17   | 109-6936    | 1    | Cover-Belt, LH               |
| 4    | 116-6317    | 1    | Spring-Extension             | 18   | 109-6982    | 2    | Wireform-Cover               |
| 5    | 99-2842     | 3    | Spacer                       | 19   | 109-7188    | 1    | ASM,Discharge Chute          |
| 6    | 103-6386    | 3    | Blade, Low Lift (48          | 19:1 | 109-2738    | 1    | Chute,Discharge              |
| 6    | 103-6391    | 3    | Blade, Mulching (48 ●        | 19:2 | 109-8675-01 | 1    | Bracket,Discharge Chute      |
| 6    | 103-6401    | 3    | Blade-Notched                | 19:3 | 3231-22     | 3    | Bolt-Carriage 3/8-16 X 1     |
| 6    | 103-6381    | 3    | Blade, Solid (48             | 19:4 | 109-6658    | 3    | Nut-Nyloc 3/8-16 Flg         |
| 6    | 116-5177    | 3    | Blade-Extreme 2, 16.25"      | 20   | 116-1965    | 1    | Belt,V-B X 175.75            |
| 7    | 1-603299    | 3    | Roller-Scalp, Anti           | 21   | 116-5997-01 | 1    | Baffle-Dogleg,Lze48          |
| 8    | 116-4665    | 1    | Idler-Pulley, Flat           | 22   | 3290-357    | 3    | Nut-Whizlock 3/8-16          |
| 9    | 116-4667    | 1    | Idler-Pulley, Flat           | 23   | 3231-22     | 2    | Bolt-Carriage 3/8-16 X 1     |
| 10   | 116-0674    | 3    | Sheave,Blade Drive 5.90      | 24   | 3231-28     | 2    | Bolt-Carriage 3/8-16 X 1 1/4 |
| 11   | 1-633456    | 2    | Bushing,Idler                | 25   | 3231-44     | 2    | Bolt-Carriage 3/8-16 X 2 1/2 |
| 12   | 116-3755    | 1    | Deck Idler ASM               | 26   | 103-4051    | 3    | Kit,Anti-Scalp Roller        |
| 13   | 109-9220    | 3    | Screw-Sems 1/2-20 X 2.19     | 27   | 116-3341    | 3    | ASM-Spindle And Seal         |
| 14   | 109-6658    | 31   | Nut-Nyloc 3/8-16 Flg         | 28   | 116-1286    | 3    | Guard,Bearing Top .989       |
| 15   | 116-3344    | 3    | ASM-Cutter Hsg With Bearings | 29   | 116-7306    | 3    | Nut-Hex                      |
| 15:2 | 116-0720    | 2    | Bearing-Ball                 | 30   | 116-0033    | 1    | Decal,Ultracut 48 Series 4   |
|      |             |      |                              | 31   | 103-2802    | 3    | Washer-Spring Disc 3/4       |

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



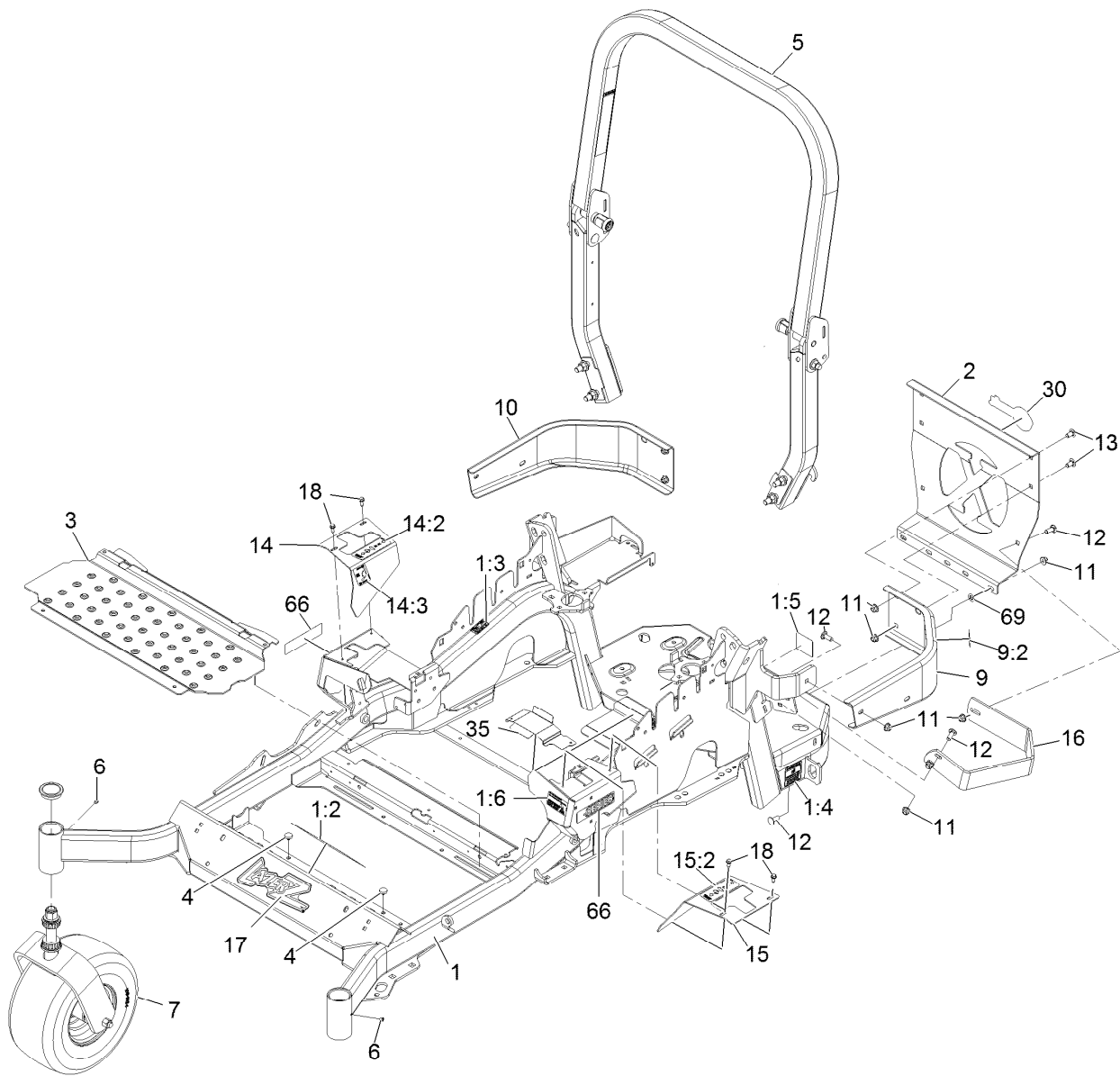
## Deck W/Decals Assembly No. 116-1978

| Ref. | Part Number | Qty. | Description                  |
|------|-------------|------|------------------------------|
| 2    | 1-303508    | 1    | Decal-Warning, Discharge     |
| 3    | 1-403005    | 2    | Decal-Danger                 |
| 4    | 1-633922    | 1    | Decal,Antiscalp              |
| 5    | 98-5954     | 2    | Decal-Cover, Missing         |
| 6    | 109-3148    | 1    | Decal,Bolt Torque            |
| 7    | 116-0033    | 1    | Decal,Ultracut 48 Series 4   |
| 8    | 116-2630    | 1    | Decal-Belt Routing           |
| 9    | 109-6658    | 2    | Nut-Nyloc 3/8-16 Flg         |
| 10   | 1-633456    | 2    | Bushing,Idler                |
| 11   | 3231-44     | 2    | Bolt-Carriage 3/8-16 X 2 1/2 |



## Deck Idler Assembly No. 116-3755

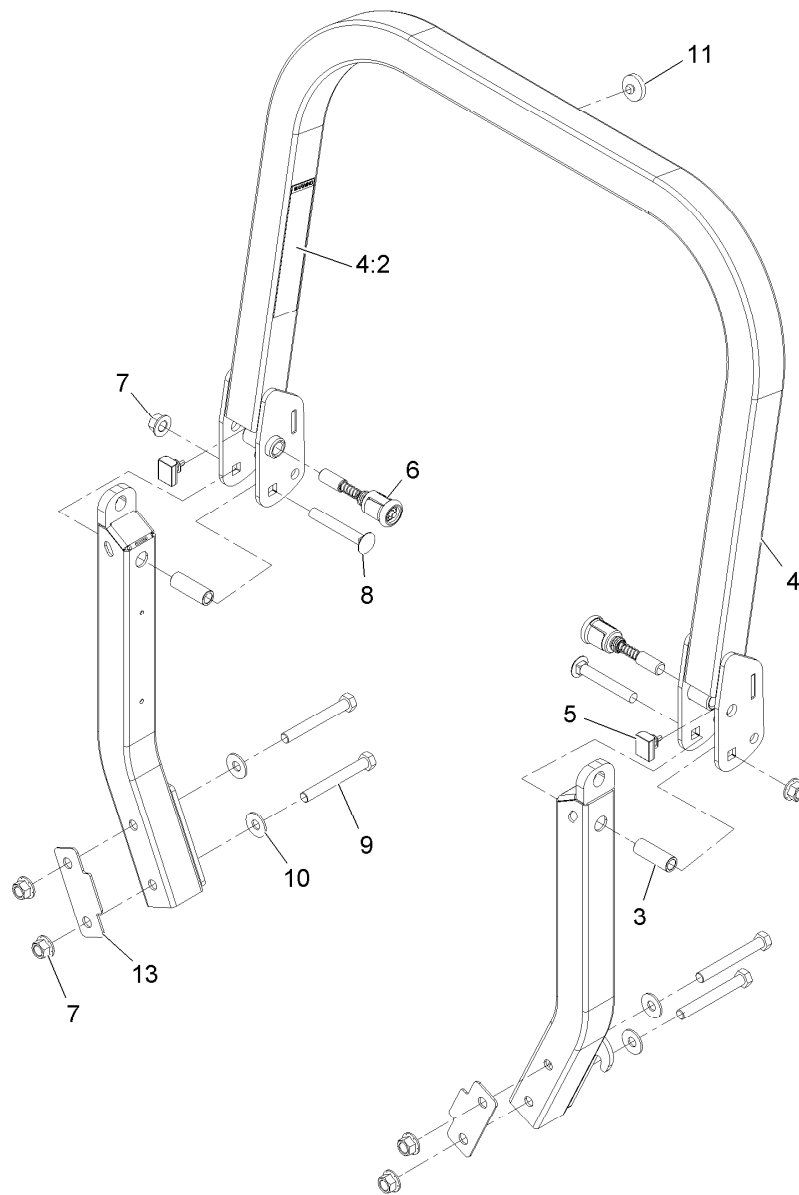
| Ref. | Part Number | Qty. | Description               |
|------|-------------|------|---------------------------|
| 1    | 43-0940     | 1    | Spacer                    |
| 2    | 103-2916    | 1    | Guard-Top                 |
| 3    | 103-3504    | 2    | Bearing-Spherical         |
| 4    | 103-3505    | 1    | Seal-Double Lip           |
| 5    | 103-3506    | 1    | Seal-Single Lip           |
| 6    | 116-4668    | 1    | Idler-Pulley, Flanged     |
| 7    | 106-7159    | 2    | O-Ring                    |
| 9    | 116-3467    | 1    | Pin-Spring, Anchor        |
| 10   | 109-6658    | 2    | Nut-Nyloc 3/8-16 Flg      |
| 11   | 109-7409    | 1    | Screw-Shoulder 3/8-16 X 5 |
| 12   | 323-8       | 1    | Screw-HH 3/8-16 X 1 1/2   |
| 13   | 32120-10    | 2    | Ring-Retaining            |
| 14   | 302-19      | 1    | Zerk-1/4-28 Str           |



## Main Frame Assembly

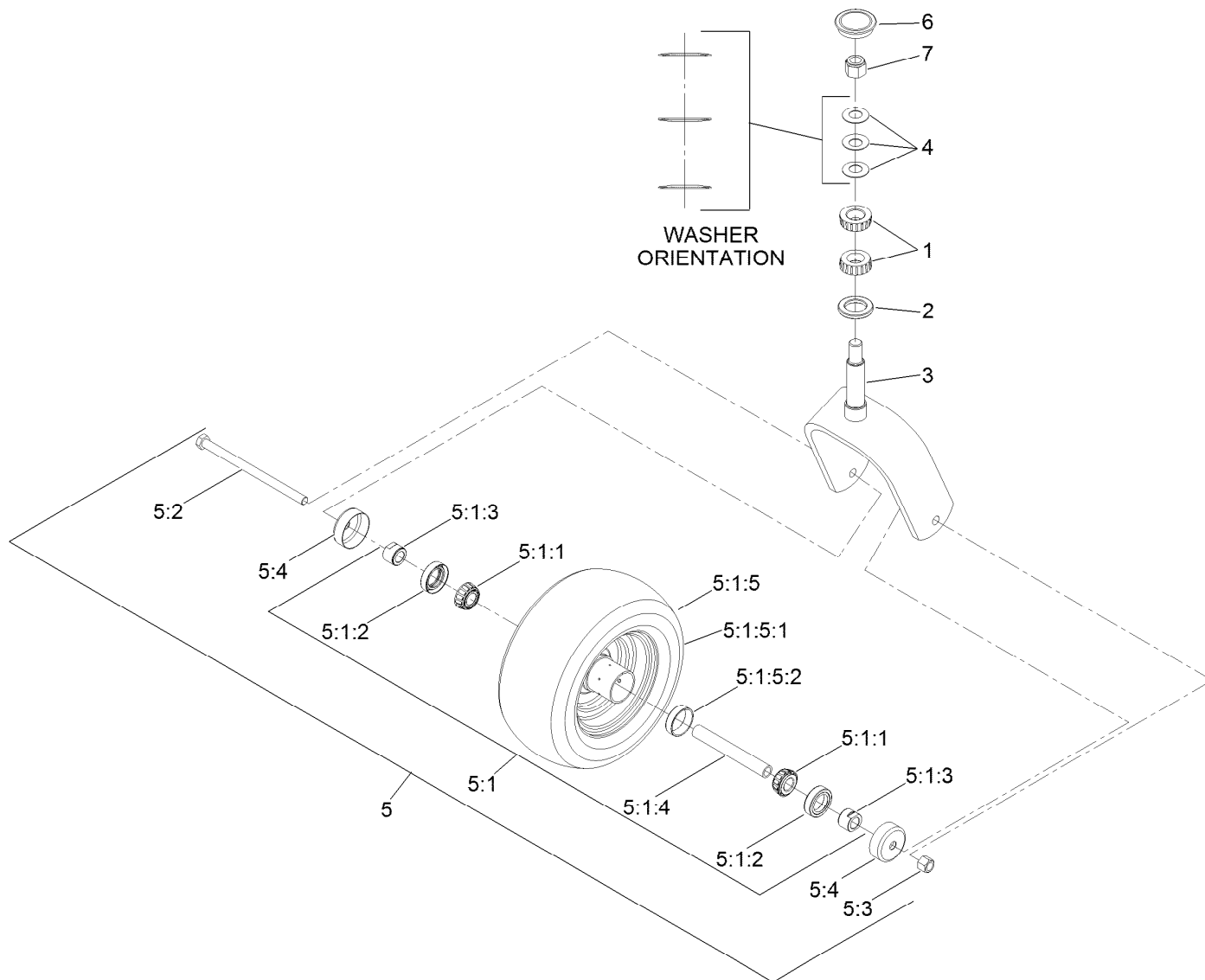
| Ref. | Part Number | Qty. | Description          | Ref. | Part Number | Qty. | Description                 |
|------|-------------|------|----------------------|------|-------------|------|-----------------------------|
| 1    | 116-5900    | 1    | Mainframe ASM        | 12   | 3231-22     | 7    | Bolt-Carriage 3/8-16 X 1    |
| 1:2  | 116-3303    | 1    | Decal-Slope          | 13   | 3231-21     | 4    | Bolt-Carriage 3/8-16 X 3/4  |
| 1:3  | 103-2076    | 2    | Decal-Caution        | 14   | 116-5899    | 1    | Cover-Motion Control, RH    |
| 1:4  | 116-0205    | 2    | Decal-Belt Drive     | 14:2 | 109-7232    | 1    | Decal-Motion Control        |
| 1:5  | 116-4858    | 1    | Decal-Spark Arrester | 14:3 | 116-5944    | 1    | Decal-Park Brake            |
| 1:6  | 116-1654    | 1    | Decal-Fuel Fill      | 15   | 116-0580    | 1    | LH Motion Control Cover ASM |
| 2    | 109-8863-03 | 1    | Plate,Rear Guard     | 15:2 | 109-7232    | 1    | Decal-Motion Control        |
| 3    | 116-0024-01 | 1    | Floorpan             | 16   | 116-0043-03 | 1    | Guard-Muffler               |
| 4    | 1-513658    | 2    | Bumper               | 17   | 103-3113    | 1    | Decal,Lazer Model           |
| 5    | 116-2882    | 1    | ROPS ASM             | 18   | 32144-10    | 4    | Screw-HWH 1/4-20 X .62      |
| 6    | 1-811010    | 2    | Plug                 | 30   | 103-2883    | 1    | Decal,Exmark Logo           |
| 7    |             | 2    | Caster Wheel ASM ●   | 35   | 116-2999-01 | 1    | Guard-Belt                  |
| 9    | 116-0180    | 1    | LH Bumper ASM        | 66   | 116-3885    | 2    | Decal-E-Series              |
| 9:2  | 103-2076    | 1    | Decal-Caution        | 69   | 107-3154    | 2    | Nut-Push 3/8-16             |
| 10   | 116-0057-03 | 1    | Bumper-RH            |      |             |      |                             |
| 11   | 104-8301    | 11   | Nut-Nyloc 3/8-16 Flg |      |             |      |                             |

● Not serviced separately



## Roll-Over Protection System Assembly No. 116-2882

| Ref. | Part Number | Qty. | Description                  |
|------|-------------|------|------------------------------|
| 3    | 109-6653    | 2    | Spacer                       |
| 4    | 116-0019    | 1    | Upper ROPS ASM               |
| 4:2  | 107-2102    | 1    | Decal-Warning, Folding ROPS  |
| 5    | 109-5337    | 2    | Bumper-ROPS                  |
| 6    | 116-0104    | 2    | Spring Pin ASM               |
| 7    | 99-5107     | 6    | Nut-Lock 1/2-13              |
| 8    | 3233-10     | 2    | Bolt-Carriage 1/2-13 X 3 1/2 |
| 9    | 325-17      | 4    | Screw-HH 1/2-13 X 4          |
| 10   | 109-9505    | 4    | Washer-Spring                |
| 11   | 109-9233    | 1    | Bumper-Push-In, Rubber       |
| 13   | 116-0960    | 2    | Spacer                       |



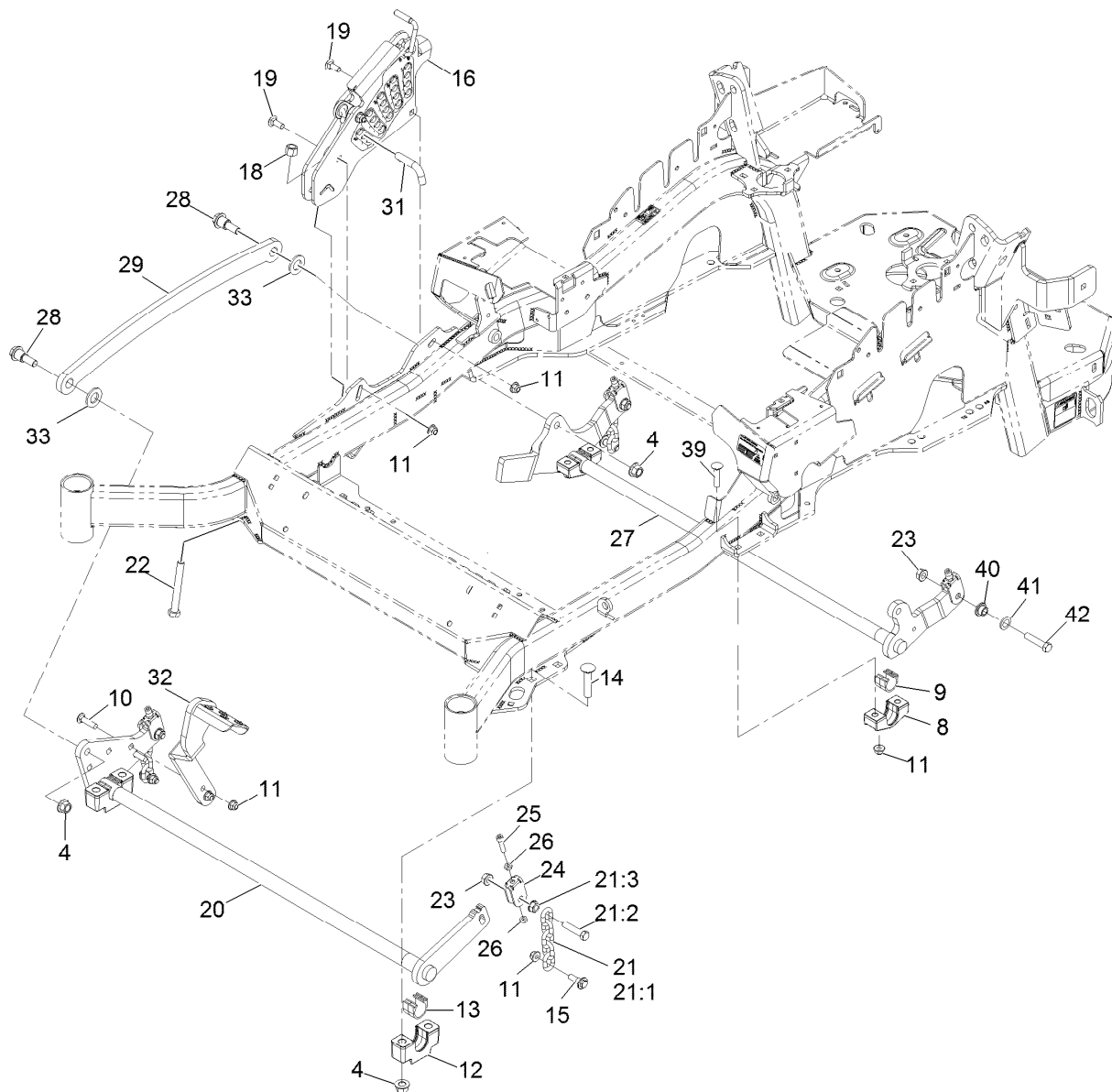
## Caster Wheel and Fork Assembly

| Ref.  | Part Number | Qty. | Description                 |
|-------|-------------|------|-----------------------------|
| 1     | 1-543509    | 2    | Cone-Bearing Tapered Roller |
| 2     | 1-543511    | 1    | Seal-Grease                 |
| 3     | 116-1963-01 | 1    | Caster                      |
| 4     | 1-633508    | 3    | Washer-Spring Disc          |
| 5     | 116-1949    | 1    | Wheel And Tire ASM          |
| 5:1   |             | 1    | Wheel ASM ●                 |
| 5:1:1 | 1-633585    | 2    | Bearing-Cone Tapered Roller |
| 5:1:2 | 103-0063    | 2    | Seal-Double Lip             |

| Ref.    | Part Number | Qty. | Description          |
|---------|-------------|------|----------------------|
| 5:1:3   | 103-3051    | 2    | Spacer-Nut ■         |
| 5:1:4   | 103-3155    | 1    | Axle-Caster          |
| 5:1:5   |             | 1    | Wheel And Tire ASM ● |
| 5:1:5:1 | 116-1952    | 1    | Tire                 |
| 5:1:5:2 | 1-633584    | 2    | Bearing-Cup          |
| 5:2     | 325-42      | 1    | Screw-HH 1/2-13 X 8  |
| 5:3     | 3296-23     | 1    | Nut-Nyloc 1/2-13     |
| 5:4     | 103-2768    | 2    | Guard-Seal           |
| 6       | 103-4882    | 1    | Cap-Grease           |
| 7       | 3296-51     | 1    | Nut-Nyloc 3/4-10     |

● Not serviced separately

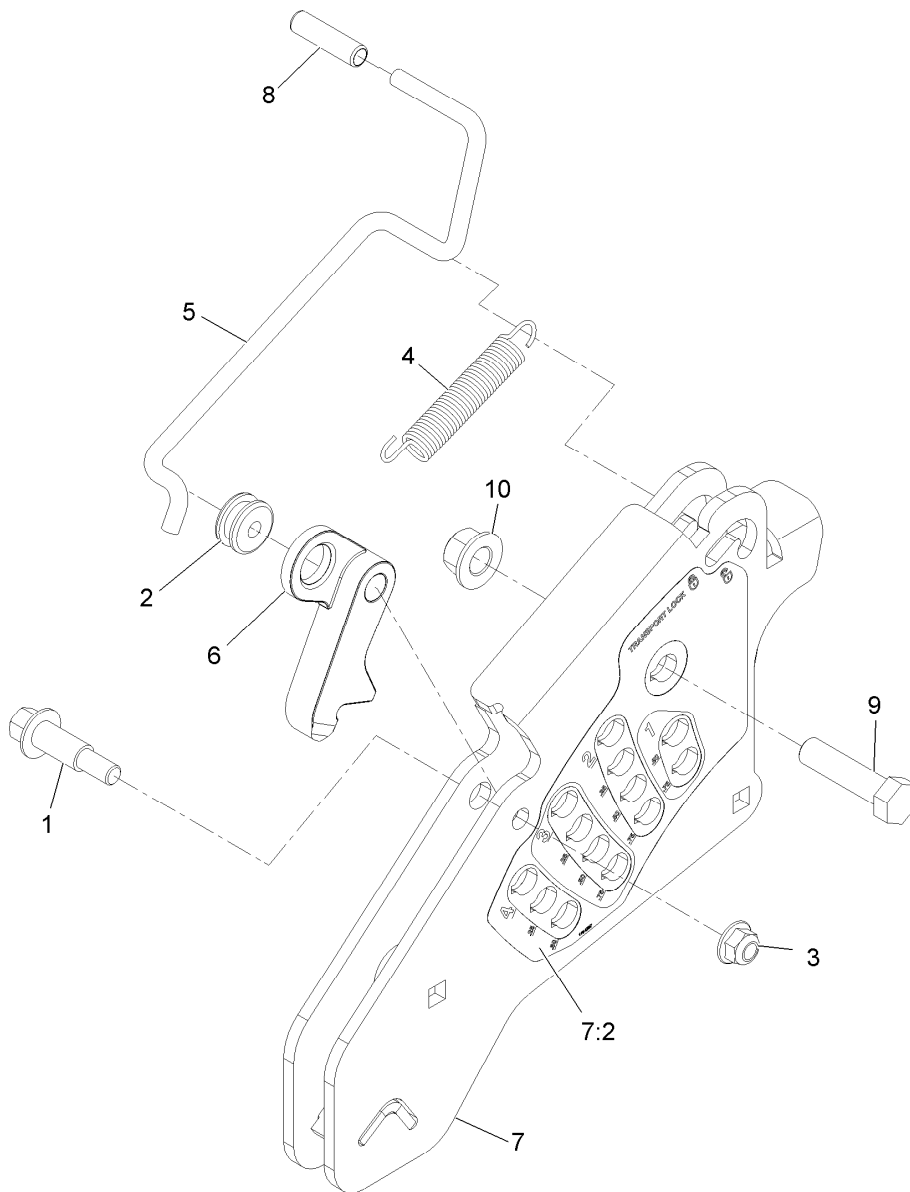
■ Use Pro-Lock, Nut Type (P/N 1-840022, .5ml tube) on threads.



## Deck Lift Assembly

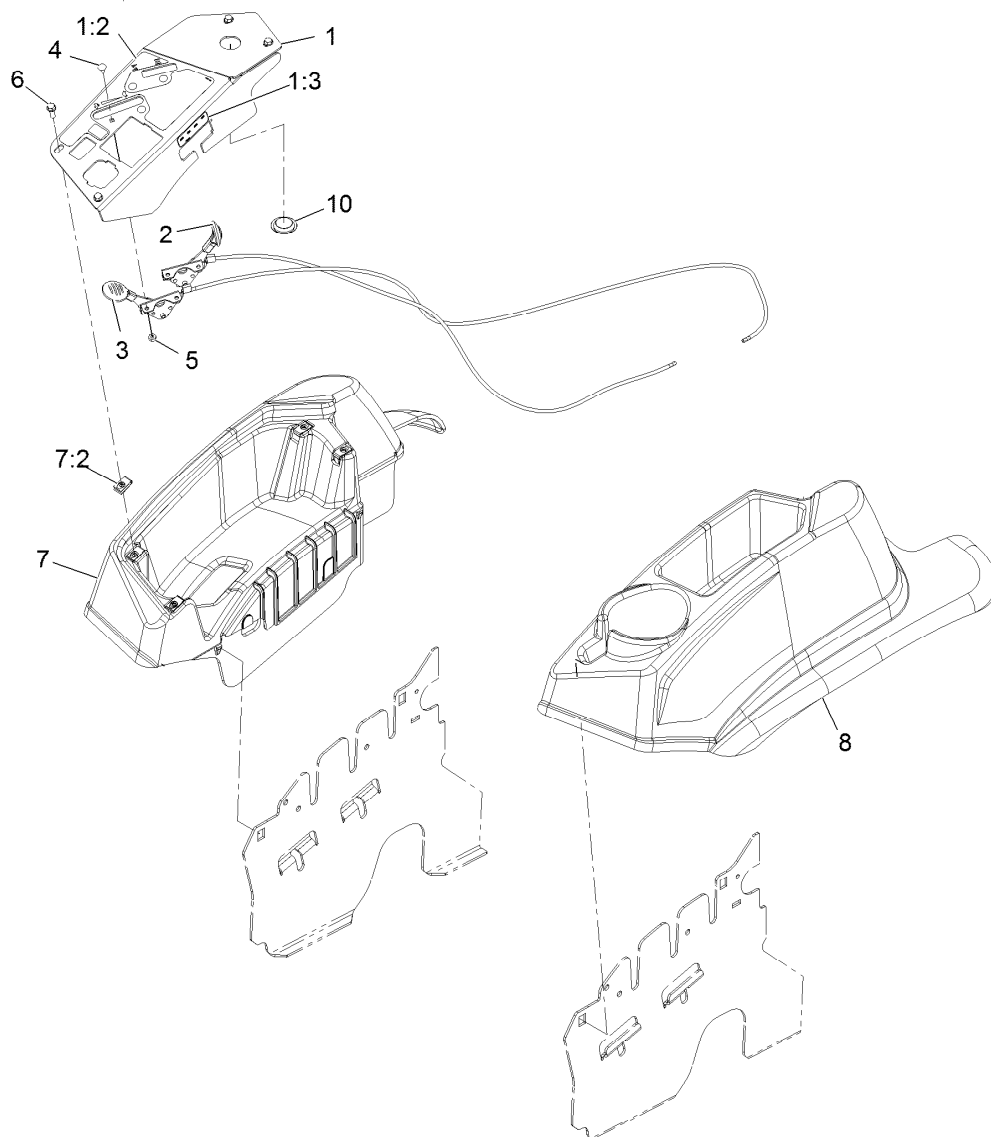
| Ref. | Part Number | Qty. | Description                           |
|------|-------------|------|---------------------------------------|
| 4    | 99-5107     | 6    | Nut-Lock 1/2-13                       |
| 8    | 116-0818-03 | 2    | Support-Cross Shaft, Rear Bearing     |
| 9    | 109-7173    | 2    | Bearing-Cross Shaft, Rear             |
| 10   | 3231-4      | 2    | Bolt-Carriage 3/8-16 X 1 1/2          |
| 11   | 104-8301    | 10   | Nut-Nyloc 3/8-16 Flg                  |
| 12   | 109-9409    | 2    | Support-Cross Shaft, Front Bearing    |
| 13   | 109-9410    | 2    | Bearing-Cross Shaft, Front            |
| 14   | 116-1700    | 4    | Bolt-Carriage 1/2-13 X 2 1/2 Spl Neck |
| 15   | 109-9840    | 2    | Screw-Hex Flange 3/8-16 X .80         |
| 16   | 116-1970    | 1    | Height-Of-Cut ASM                     |
| 18   | 3296-23     | 1    | Nut-Nyloc 1/2-13                      |
| 19   | 3231-2      | 2    | Bolt-Carriage 3/8-16 X 1              |
| 20   | 116-2217-03 | 1    | Front Cross Shaft ASM                 |
| 21   | 116-0756    | 2    | Deck Lift Chain ASM                   |
| 21:1 | 1-633447    | 1    | Chain-Lift, Deck                      |

| Ref. | Part Number | Qty. | Description                      |
|------|-------------|------|----------------------------------|
| 21:2 | 109-9065    | 1    | Screw-HH 7/16-14 X 2             |
| 21:3 | 32128-37    | 1    | Nut-Whizlock 7/16-14             |
| 22   | 116-0559    | 1    | Bolt-HH 1/2-13 X 4 Tap           |
| 23   | 32128-37    | 4    | Nut-Whizlock 7/16-14             |
| 24   | 109-9066    | 4    | Yoke-Adjust, Deck                |
| 25   | 3274-18     | 4    | Screw-Sh 5/16-18 X 1 1/4         |
| 26   | 3218-2      | 8    | Nut-Jam 5/16-18                  |
| 27   | 116-0459-03 | 1    | Lift-Deck, Rear                  |
| 28   | 116-0780    | 2    | Screw-Shoulder HHF 1/2-13 X 1.12 |
| 29   | 116-0797-03 | 1    | Link-Lift, Deck                  |
| 31   | 116-5584    | 1    | Pin-HOC                          |
| 32   | 116-3452-01 | 1    | Foot Lever                       |
| 33   | 3256-28     | 2    | Washer-3/4 Sae                   |
| 39   | 3231-5      | 4    | Bolt-Carriage 3/8-16 X 1 3/4     |
| 40   | 116-2428    | 2    | Bushing, Flanged                 |
| 41   | 3256-4      | 2    | Washer-3/8 Std                   |
| 42   | 109-9065    | 2    | Screw-HH 7/16-14 X 2             |



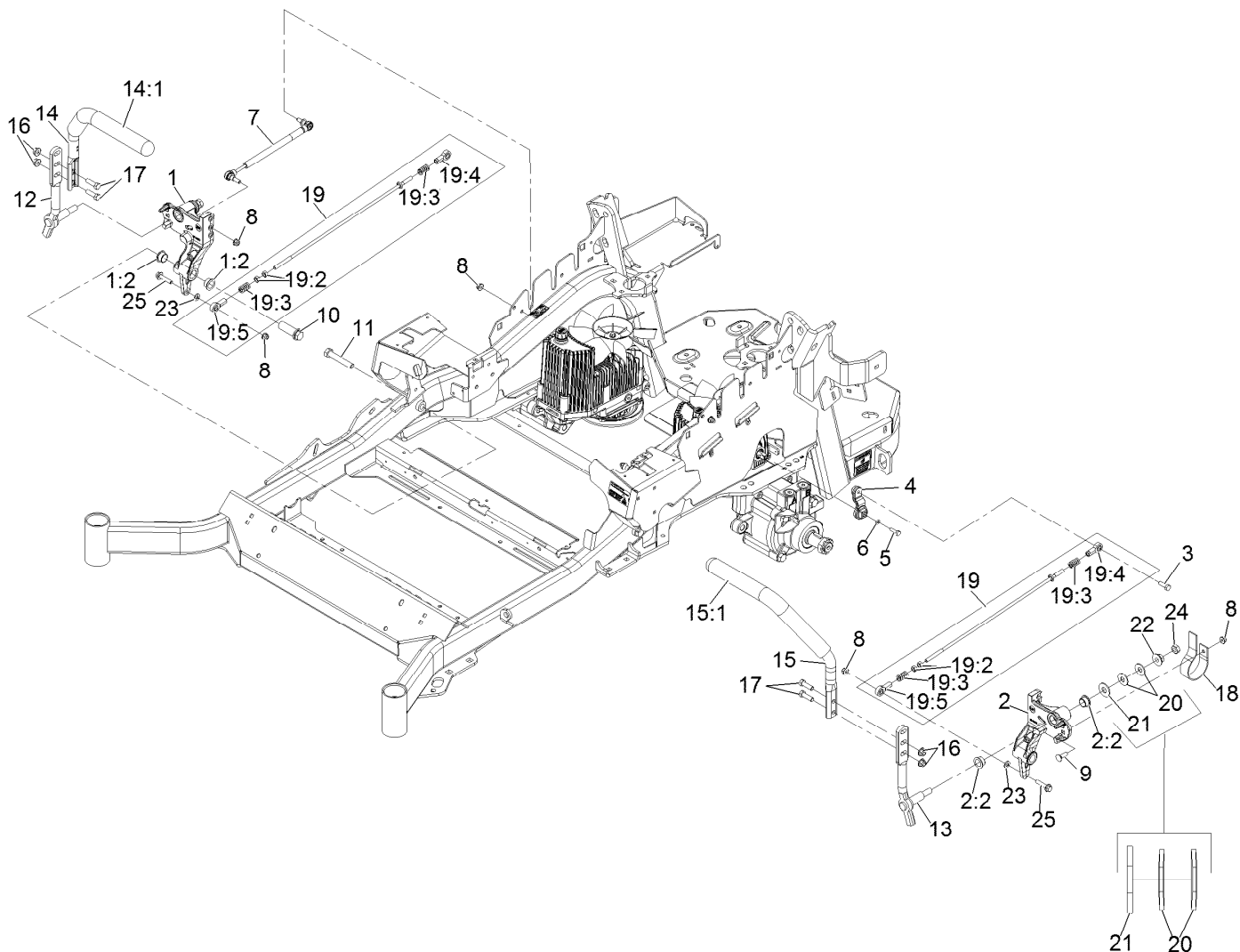
## Height-of-Cut Assembly No. 116-1970

| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 1    | 62-1330     | 1    | Bolt-Shoulder           |
| 2    | 109-7130    | 1    | Grommet                 |
| 3    | 104-8301    | 1    | Nut-Nyloc 3/8-16 Flg    |
| 4    | 109-7124    | 1    | Spring-Extension        |
| 5    | 109-7128    | 1    | Rod-Lock, Transport     |
| 6    | 116-0118    | 1    | Pawl-Transport, HOC     |
| 7    | 116-1961    | 1    | HOC Plate ASM           |
| 7:2  | 116-2927    | 1    | Decal-HOC               |
| 8    | 109-8250    | 1    | Grip-Lever              |
| 9    | 325-8       | 1    | Screw-HH 1/2-13 X 1 1/4 |
| 10   | 99-5107     | 1    | Nut-Lock 1/2-13         |



## Control Assembly

| Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|
| 1    | 109-8484    | 1    | Console, Panel W/Decal     |
| 1:2  | 109-8483    | 1    | Decal-Control Panel        |
| 1:3  | 109-7330    | 1    | Decal-Fuse                 |
| 2    | 116-1973    | 1    | ASM, Choke Cable           |
| 3    | 116-1972    | 1    | ASM, Throttle Cable        |
| 4    | 1-807513    | 4    | Bolt-Carriage #10-24 X 1/2 |
| 5    | 3296-2      | 4    | Nut-Nyloc #10-24           |
| 6    | 32105-15    | 4    | Screw-Machine 1/4-20 X 3/4 |
| 7    | 116-1278    | 1    | Console, RH As ASM         |
| 7:2  | 107069      | 4    | Nut-Retainer-Panel 1/4-20  |
| 8    | 109-9457    | 1    | Console, LH As             |
| 10   | 116-1875    | 1    | Plug, Plastic              |

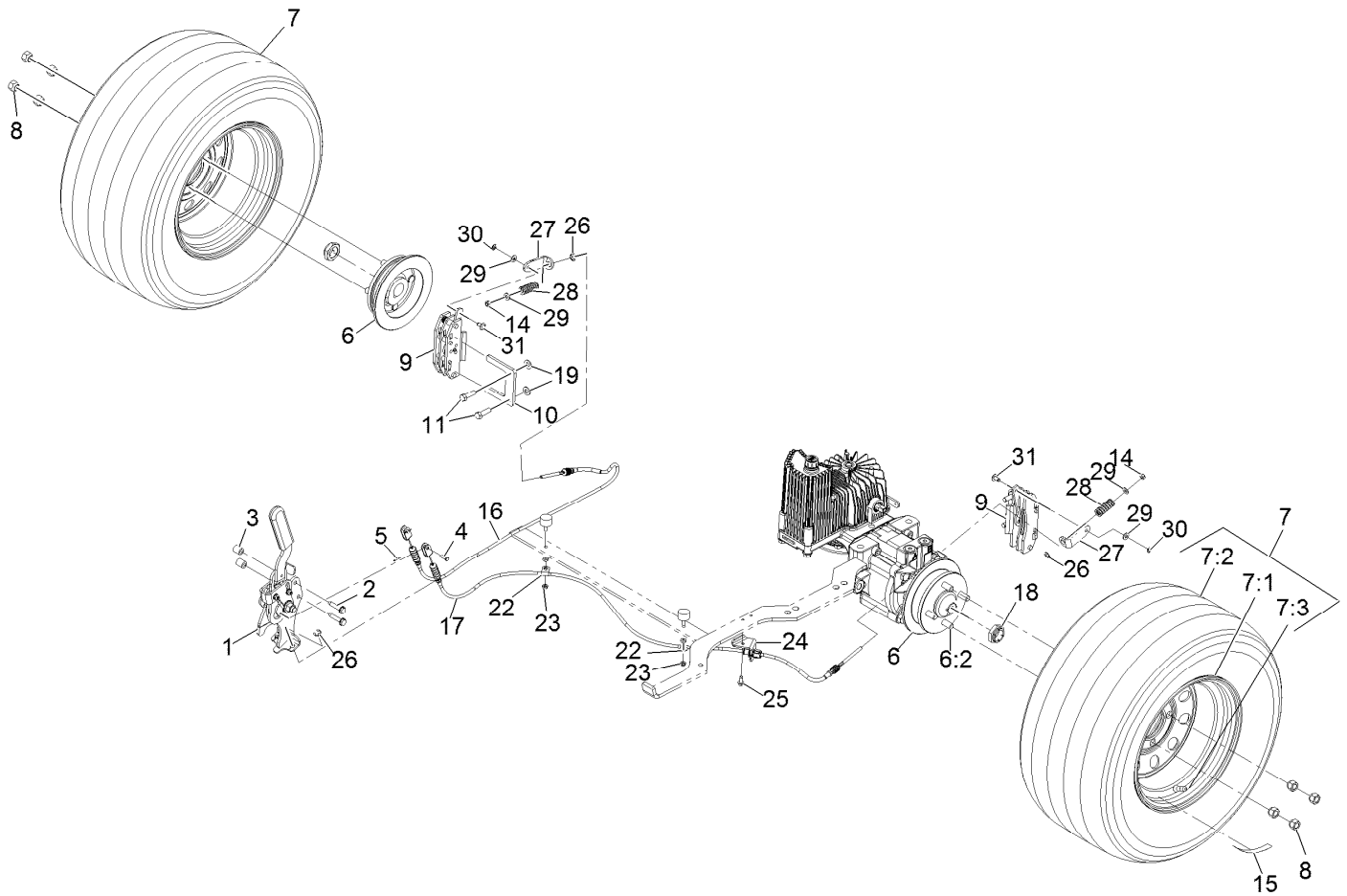


## Motion Control Assembly

| Ref. | Part Number | Qty. | Description                       |
|------|-------------|------|-----------------------------------|
| 1    | 116-0880    | 1    | RH Motion Control And Bushing ASM |
| 1:2  | 109-8054    | 4    | Bushing-Flanged                   |
| 2    | 116-0881    | 1    | LH Motion Control And Bushing ASM |
| 2:2  | 109-8054    | 4    | Bushing-Flanged                   |
| 3    | 116-0648    | 2    | Screw-HH 5/16-18 X 1 W/Patch ●    |
| 4    | 109-4581    | 2    | Arm-Control, Pump                 |
| 5    | 9080046     | 2    | Screw-HH 1/4-20 X 7/8 ●           |
| 6    | 1-303435    | 2    | Washer-Spring Disc 1/4            |
| 7    | 116-0027    | 2    | Damper-Control, Motion            |
| 8    | 104-8300    | 8    | Nut-Nyloc 5/16-18 Flg             |
| 9    | 3230-2      | 2    | Bolt-Carriage 5/16-18 X 1         |
| 10   | 109-5891    | 2    | Hub-Threaded                      |
| 11   | 325-12      | 2    | Screw-HH 1/2-13 X 3               |
| 12   | 116-0039    | 1    | Lever-Control Motion, RH          |
| 13   | 116-0040    | 1    | Lever-Control Motion, LH          |
| 14   | 109-6589    | 1    | RH Steering Handle ASM            |

| Ref. | Part Number | Qty. | Description                      |
|------|-------------|------|----------------------------------|
| 14:1 | 109-5668    | 1    | Grip-Control, Lever              |
| 15   | 109-6590    | 1    | LH Steering Handle ASM           |
| 15:1 | 109-5668    | 1    | Grip-Control, Lever              |
| 16   | 104-8301    | 4    | Nut-Nyloc 3/8-16 Flg             |
| 17   | 323-7       | 4    | Screw-HH 3/8-16 X 1 1/4          |
| 18   | 109-5575    | 2    | Spring-Leaf                      |
| 19   | 109-8107    | 2    | Pump Linkage Rear ASM            |
| 19:2 | 3219-2      | 2    | Nut-Hex 5/16-24                  |
| 19:3 | 1-323245    | 2    | Spring-Compression               |
| 19:4 | 1-633152    | 1    | Balljoint                        |
| 19:5 | 1-543017    | 1    | Balljoint                        |
| 20   | 109-9505    | 4    | Washer, Spring Disc 1/2          |
| 21   | 3256-6      | 2    | Washer                           |
| 22   | 32128-56    | 2    | Nut-Hex 1/2-13 Flange            |
| 23   | 3256-23     | 2    | Washer-5/16 Sae                  |
| 24   | 3218-5      | 2    | Nut-Jam 1/2-13                   |
| 25   | 115-1794    | 2    | Screw-Hex Flange 5/16-18 X 1 1/2 |

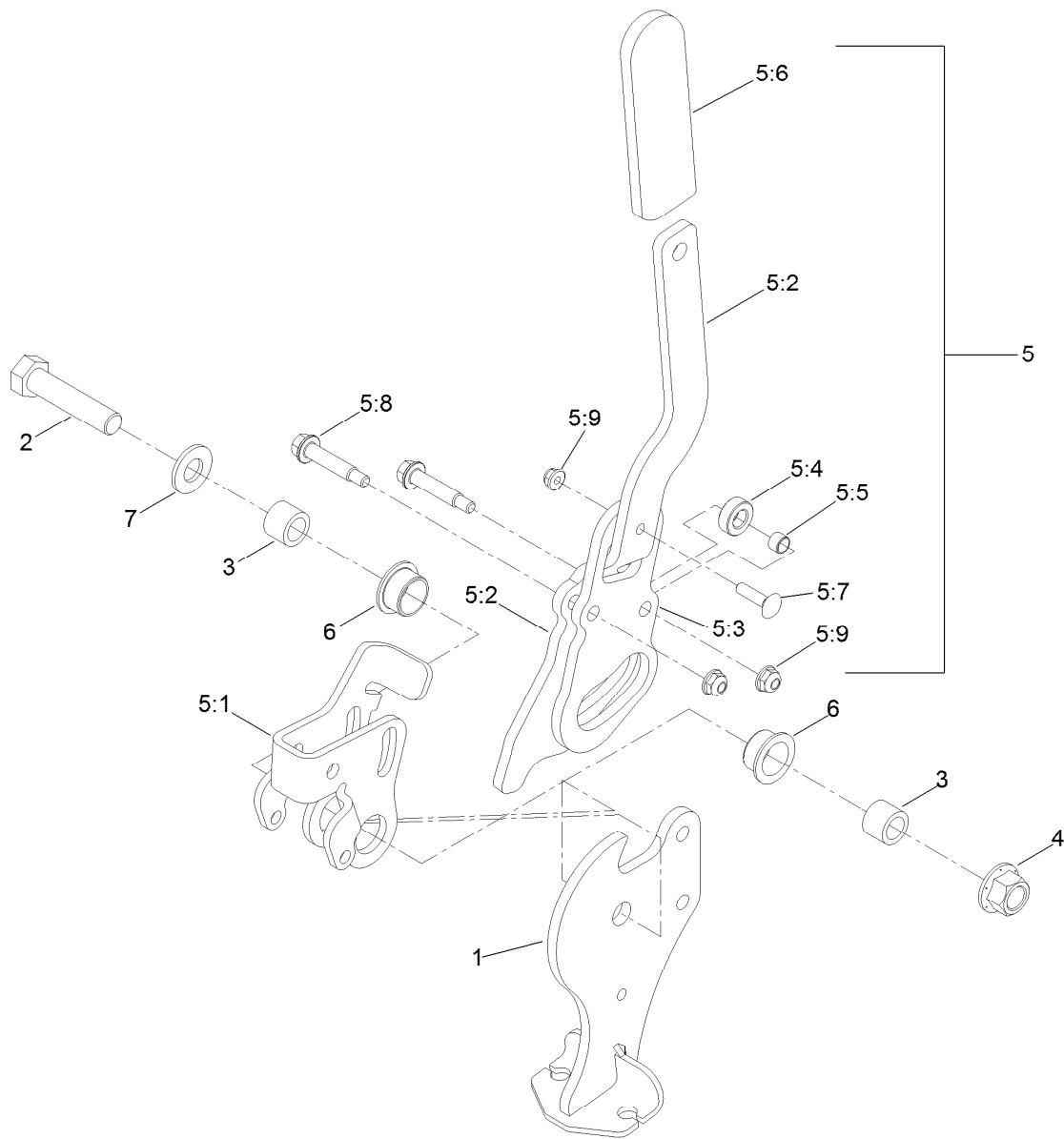
● Use Pro-Lock, Nut Type (P/N 1-840022, .5ml tube) on threads.



## Rear Wheel and Park Brake Assembly

| Ref. | Part Number | Qty. | Description                           |
|------|-------------|------|---------------------------------------|
| 1    | 116-7551    | 1    | Brake Handle ASM                      |
| 2    | 32144-57    | 2    | Screw                                 |
| 3    | 82-6840     | 2    | Spacer                                |
| 4    | 60-1730     | 2    | Pin-Clevis                            |
| 5    | 3272-1      | 2    | Pin-Cotter 1/16 X 1/2                 |
| 6    | 116-1746    | 2    | Wheel Hub ASM                         |
| 6:2  | 116-1696    | 4    | Stud-Wheel                            |
| 7    | 116-1940    | 2    | Wheel And Tire ASM                    |
| 7:1  | 109-3645    | 1    | Rim ASM                               |
| 7:2  | 116-1948    | 1    | Tire                                  |
| 7:3  | 232-27      | 1    | Stem-Valve                            |
| 8    | 242-50      | 8    | Nut-Lug 1/2-20                        |
| 9    | 109-2889    | 2    | Caliper-Brake                         |
| 10   | 109-0958    | 2    | Plate-Mount, Brake                    |
| 11   | 92-5727     | 4    | Screw-HH 3/8-16 X 1 1/4<br>Patch Lock |

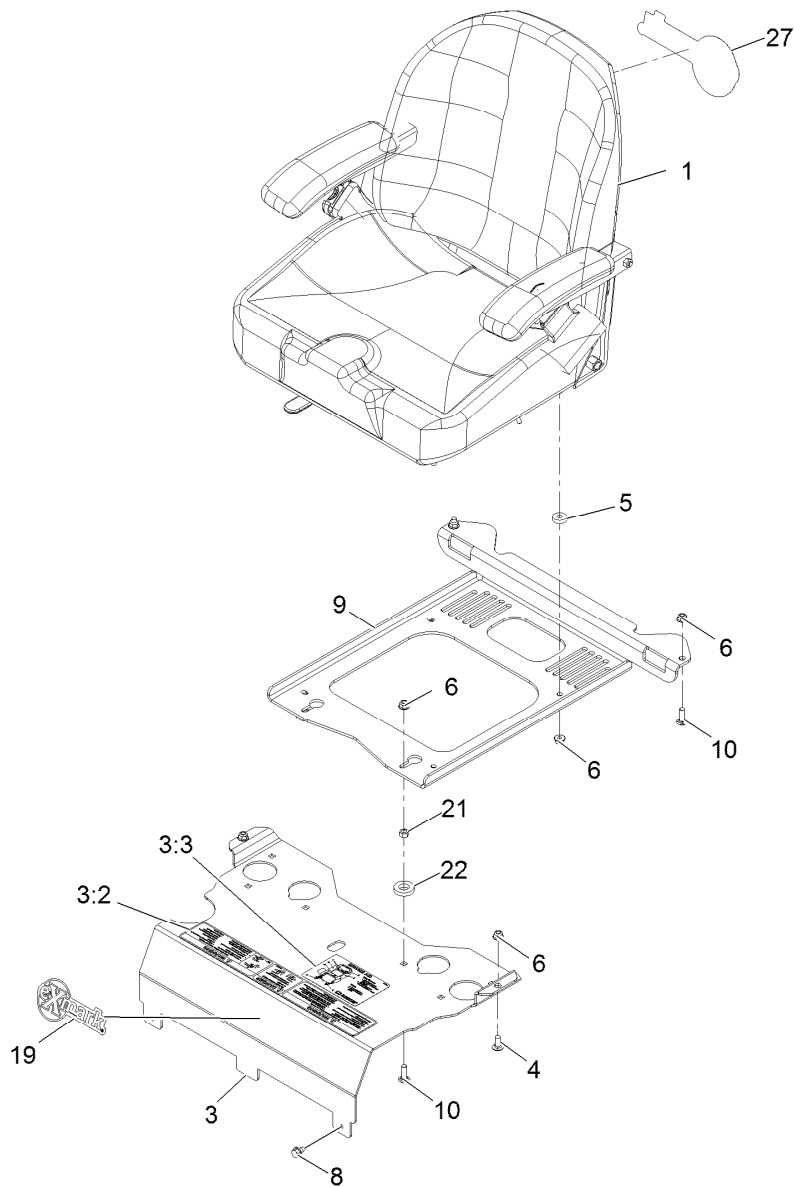
| Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|
| 14   | 3296-13     | 2    | Nut-Nyloc 1/4-28       |
| 15   | 116-2643    | 2    | Decal-Wheel Nut Torque |
| 16   | 116-6364    | 1    | Cable-Park Brake, RH   |
| 17   | 116-6365    | 1    | Cable-Park Brake, LH   |
| 18   | 116-1399    | 2    | Locknut                |
| 19   | 3256-24     | 4    | Washer-3/8 Sae         |
| 22   | 88-7970     | 2    | Clip                   |
| 23   | 3296-56     | 2    | Nut-Nyloc 1/4-20 Thin  |
| 24   | 116-6397    | 1    | Bracket-Cable          |
| 25   | 32144-10    | 1    | Screw-HWH 1/4-20 X .62 |
| 26   | 32120-18    | 4    | E-Ring                 |
| 27   | 116-6182    | 2    | Bracket-Brake, L       |
| 28   | 116-6347    | 2    | Spring-Die             |
| 29   | 3256-22     | 4    | Washer-1/4 Sae         |
| 30   | 32151-86    | 2    | E-Ring                 |
| 31   | 116-6348    | 2    | Pin-Brake              |



## Parking Brake Handle Assembly No. 116-7551

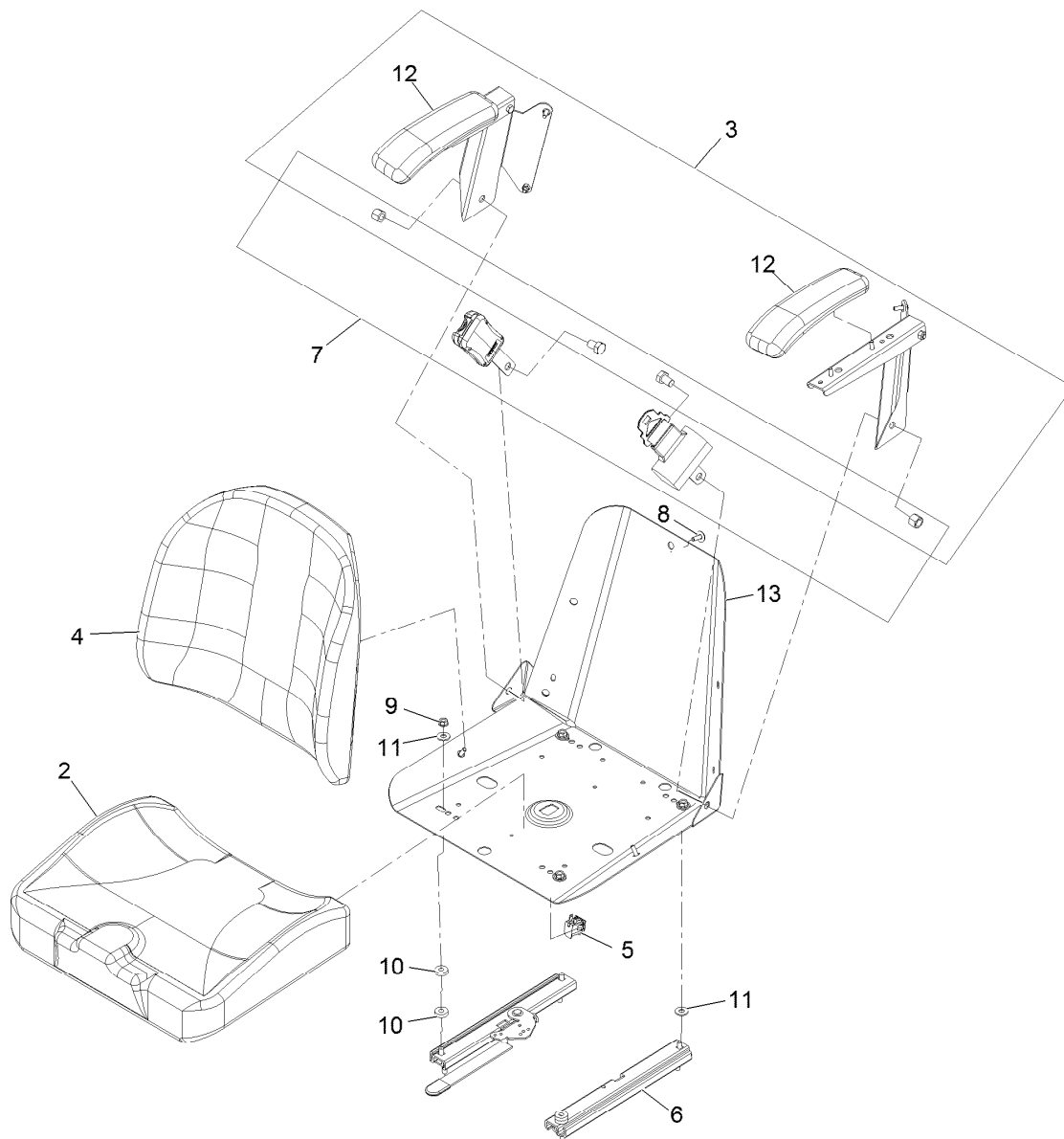
| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 1    | 116-7263    | 1    | Brake Pivot ASM         |
| 2    | 325-9       | 1    | Screw-HH 1/2-13 X 2 1/4 |
| 3    | 116-5384    | 2    | Spacer                  |
| 4    | 99-5107     | 1    | Nut-Lock 1/2-13         |
| 5    | 116-6860    | 1    | Handle ASM              |
| 5:1  | 116-6856    | 1    | Bellcrank-Brake         |
| 5:2  | 116-6857    | 1    | Handle-Brake            |
| 5:3  | 116-6858    | 1    | Plate-Handle            |

| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 5:4  | 116-6846    | 1    | Roller-Brake             |
| 5:5  | 116-6852    | 1    | Bearing-Sleeve           |
| 5:6  | 1-633268    | 1    | Grip-Lever               |
| 5:7  | 3229-2      | 1    | Bolt-Carriage 1/4-20 X 1 |
| 5:8  | 116-6876    | 2    | Screw-Shoulder           |
| 5:9  | 104-7201    | 3    | Nut-Nyloc 1/4-20 Flg     |
| 6    | 109-8054    | 2    | Bushing-Flanged          |
| 7    | 3256-26     | 1    | Washer-1/2 Sae           |



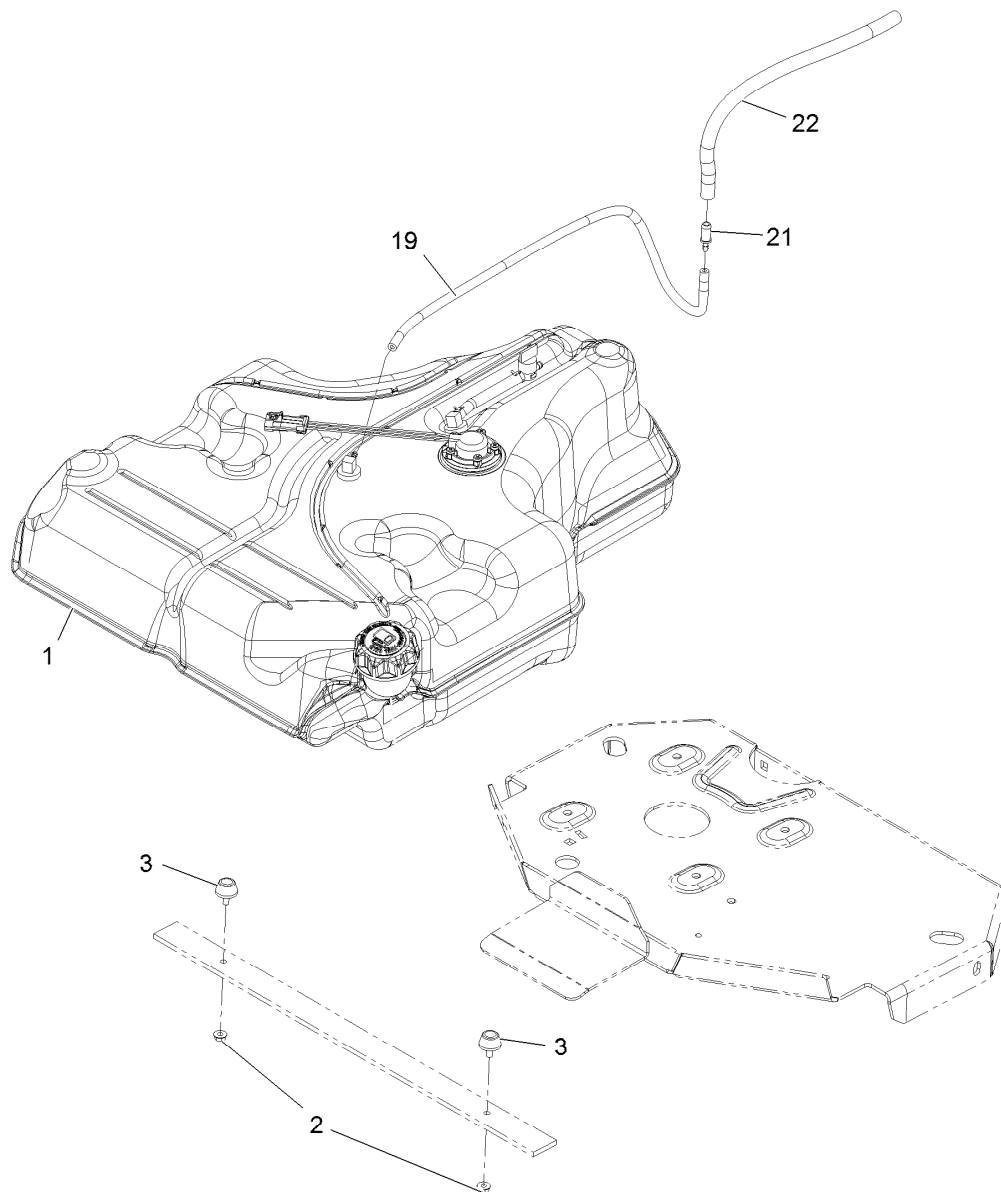
## Seat Assembly

| Ref. | Part Number | Qty. | Description                            |
|------|-------------|------|----------------------------------------|
| 1    | 116-6192    | 1    | ASM-Seat, Lze                          |
| 3    | 116-2323    | 1    | Mount-Seat                             |
| 3:2  | 109-7069    | 1    | Decal-Console                          |
| 3:3  | 116-0211    | 1    | Decal-Service Aid                      |
| 4    | 3230-23     | 2    | Bolt-Carriage 5/16-18 X 3/4 Short Neck |
| 5    | 26-4840     | 4    | Spacer-Pin, Mounting                   |
| 6    | 104-8300    | 10   | Nut-Nyloc 5/16-18 Flg                  |
| 8    | 9266934     | 2    | Screw-HWH 5/16 X 1/2 Tf                |
| 9    | 116-0192-03 | 1    | Plate-Support, Seat                    |
| 10   | 3230-22     | 4    | Bolt-Carriage 5/16-18 X 1 Sp           |
| 19   | 103-2883    | 1    | Decal,Exmark Logo                      |
| 21   | 3217-6      | 2    | Nut-Hex 5/16-18                        |
| 22   | 1-323539    | 2    | Spacer-Blade Drive                     |
| 27   | 103-2882    | 1    | Decal,Exmark Logo                      |



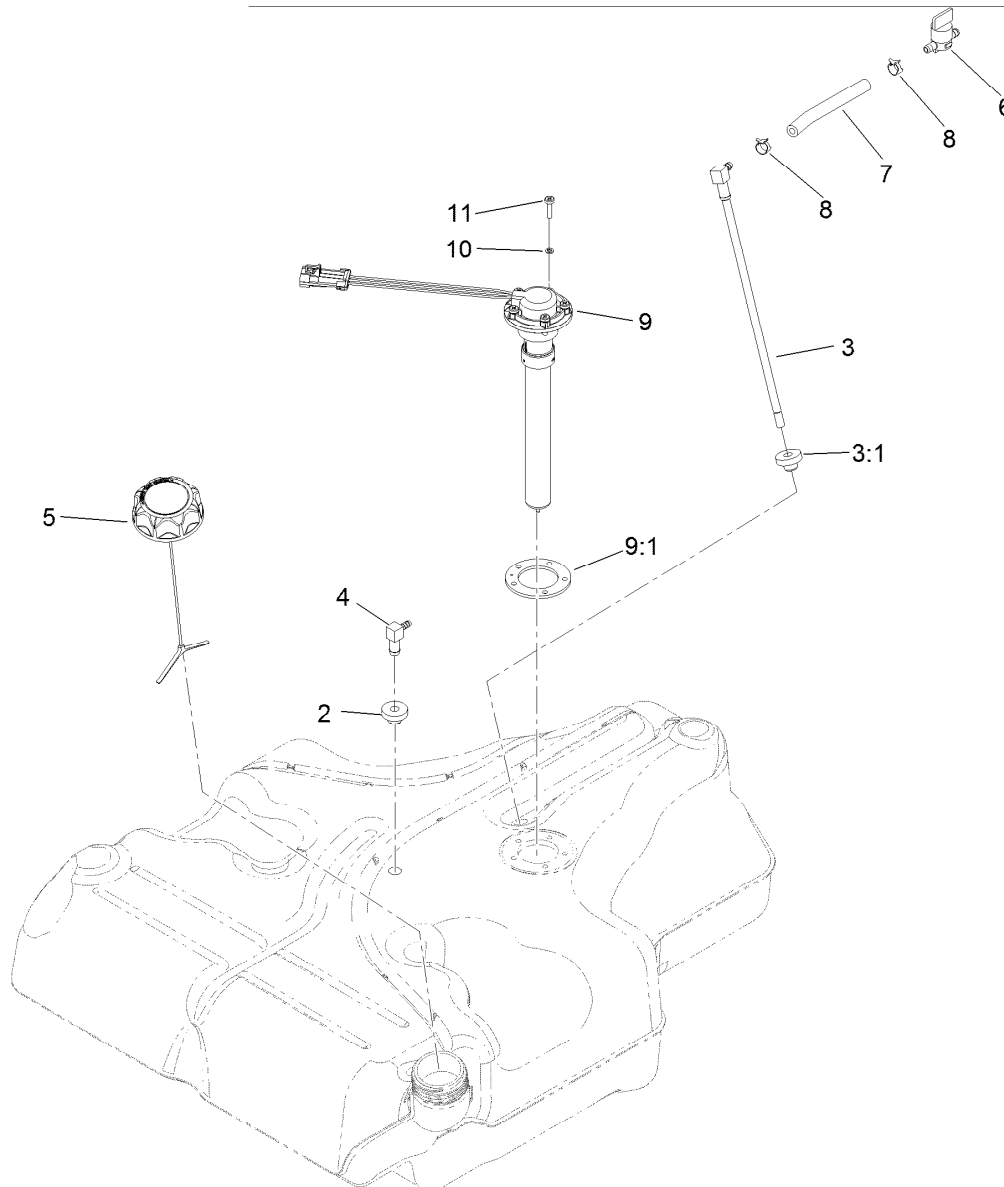
## Seat W/Tracks Assembly No. 116-6192

| Ref. | Part Number | Qty. | Description                    |
|------|-------------|------|--------------------------------|
| 2    | 116-7329    | 1    | Cushion-Seat Bottom            |
| 3    | 110-5719    | 1    | Armrest Kit                    |
| 4    | 116-3738    | 1    | Cushion, Seat Back             |
| 5    | 82-2190     | 1    | Switch                         |
| 6    | 1-643255    | 1    | Track-Seat                     |
| 7    | 116-2981    | 1    | Seat Belt Kit                  |
| 8    | 103-8383    | 7    | Screw-HWH 1/4-20 X 3/4 Taptite |
| 9    | 32128-20    | 4    | Nut-Whizlock 5/16-18           |
| 10   | 26-4840     | 4    | Spacer-Pin, Mounting           |
| 11   | 3256-3      | 6    | Washer-5/16 Std                |
| 12   | 110-4163    | 2    | Cushion-Rest, Arm              |
| 13   | 116-7496    | 1    | Frame-Seat                     |



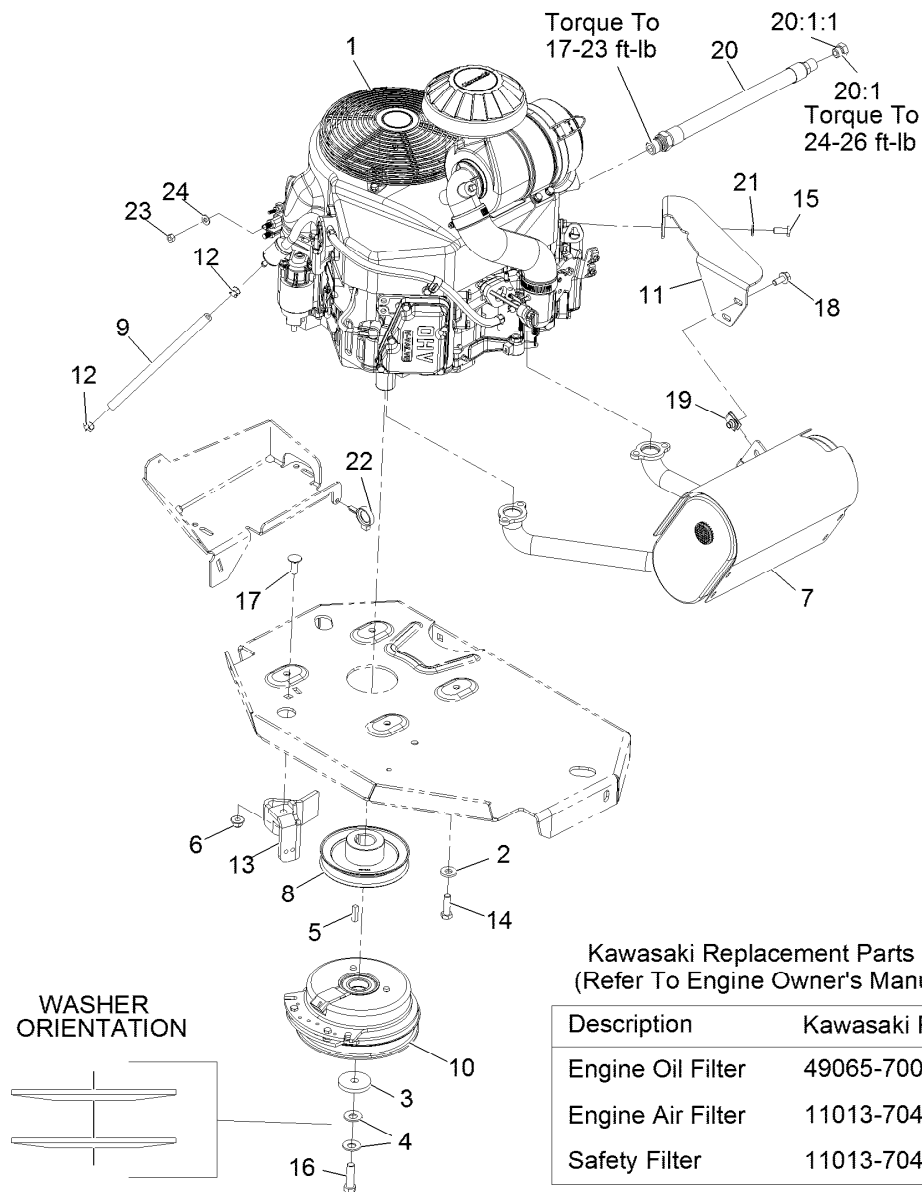
## Fuel Tank Mounting Assembly

| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 1    | 116-3978    | 1    | Fuel Tank ASM           |
| 2    | 3218-1      | 2    | Nut-Jam                 |
| 3    | 116-6380    | 2    | Bumper-Rubber (W/ Stud) |
| 19   | 110-8751    | 1    | Hose-Fuel               |
| 21   | 98-2952     | 1    | Fitting-Straight        |
| 22   | 116-4344    | 1    | Hose-Fuel               |



## Fuel Tank Assembly No. 116-3978

| Ref. | Part Number | Qty. | Description                     |
|------|-------------|------|---------------------------------|
| 2    | 46-6560     | 2    | Bushing                         |
| 3    | 116-2459    | 1    | Fuel Line Kit (With Grommet)    |
| 3:1  | 46-6560     | 1    | Bushing                         |
| 4    | 116-2288    | 1    | Fitting-90 Elbow, 0.043 Orifice |
| 5    | 116-1704    | 1    | Cap-Fuel, Ratcheting            |
| 6    | 1-603770    | 1    | Valve-Fuel                      |
| 7    | 109-0650    | 1    | Hose-Fuel                       |
| 8    | 2412-98     | 2    | Clamp-Hose                      |
| 9    | 116-1981    | 1    | Sender-Fuel                     |
| 9:1  | 109-9620    | 1    | Gasket-Sender, Fuel             |
| 10   | 3253-17     | 5    | Washer-Lock 3/16                |
| 11   | 9107944     | 5    | Screw-Pan 10-24 X 3/4           |



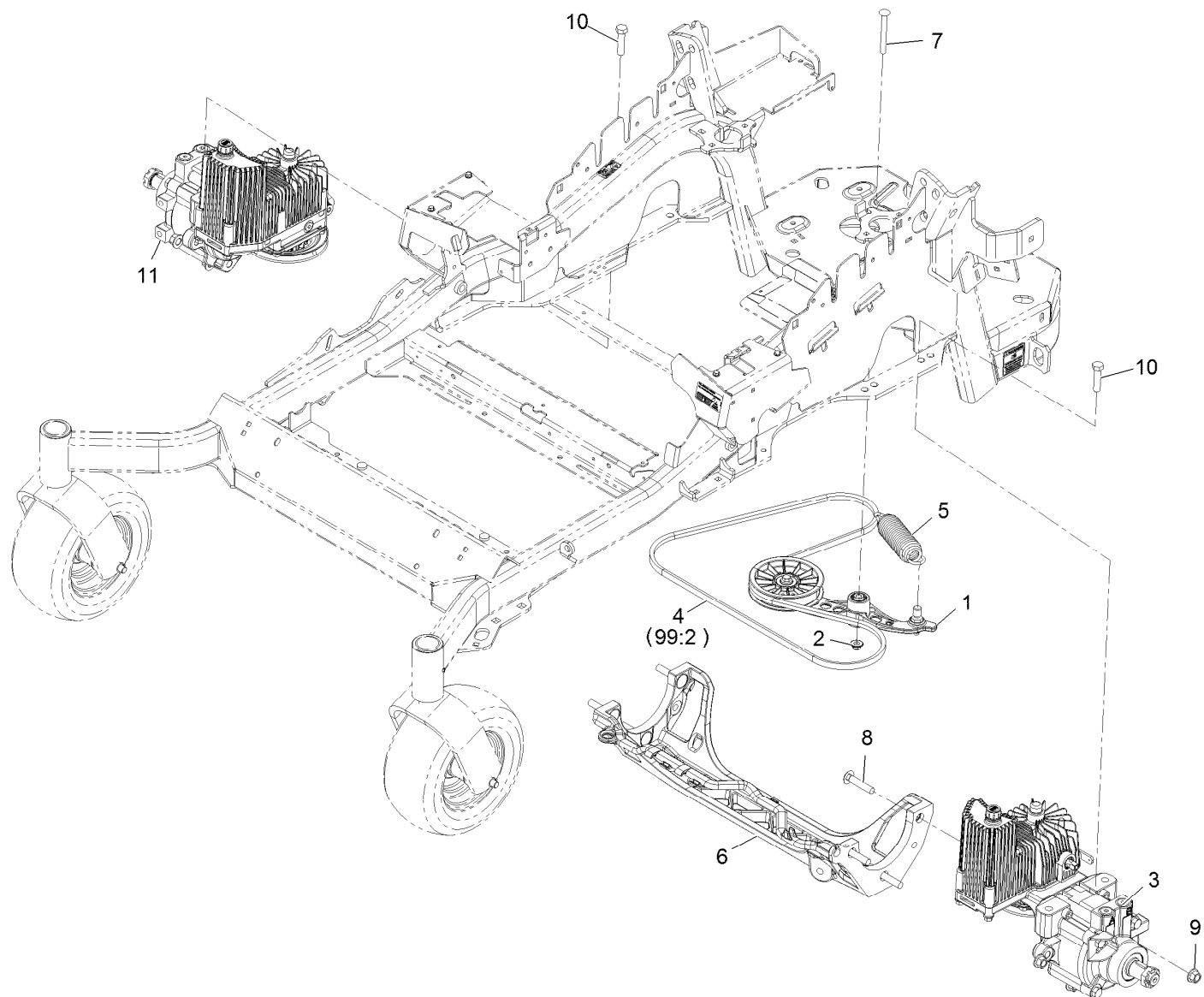
## Engine Assembly

| Ref. | Part Number | Qty. | Description               |
|------|-------------|------|---------------------------|
| 1    |             | 1    | Engine-Kawasaki ●         |
| 2    | 98-5975     | 4    | Washer-Spring Disc 3/8    |
| 3    | 109-6919    | 1    | Washer-Clutch             |
| 4    | 1-603610    | 2    | Washer-Spring Disc 7/16   |
| 5    | 1-807259    | 1    | Key-Machine 1/4 X 1/4 X 1 |
| 6    | 104-8301    | 1    | Nut-Nyloc 3/8-16 Flg      |
| 7    | 116-2117    | 1    | Muffler                   |
| 8    | 116-1946    | 1    | Sheave-Pump, Drive        |
| 9    | 110-3447    | 1    | Hose-Fuel                 |
| 10   | 116-1947    | 1    | Clutch                    |
| 11   | 116-2157    | 1    | Bracket-Muffler           |
| 12   | 2412-98     | 2    | Clamp-Hose                |
| 13   | 116-2612-01 | 1    | Clutch-Anchor             |
| 14   | 323-7       | 4    | Screw-HH 3/8-16 X 1 1/4   |

| Ref.   | Part Number | Qty. | Description                          |
|--------|-------------|------|--------------------------------------|
| 15     | 33114-020   | 1    | Screw-HH M8-1.25 X 20Mm              |
| 16     | 109-9761    | 1    | Screw-HH 7/16-20 X 1 1/2 W/Loctite ■ |
| 17     | 3231-22     | 1    | Bolt-Carriage 3/8-16 X 1             |
| 18     | 3234-5      | 2    | Screw-HH Flg 5/16-18 X 3/4           |
| 19     | 94-2413     | 2    | U-Nut                                |
| 20     | 116-4924    | 1    | Asm-Hose Oil Drain W/Plug            |
| 20:1   | 353-508     | 1    | Plug-W/O-Ring                        |
| 20:1:1 | 237-42      | 1    | O-Ring                               |
| 21     | 1-303334    | 1    | Washer-Spring Disc 5/16              |
| 22     | 105-1853    | 1    | Clamp-Hose                           |
| 23     | 3217-5      | 1    | Nut-Hex                              |
| 24     | 3256-22     | 1    | Washer-Flat                          |

● Not serviced separately

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

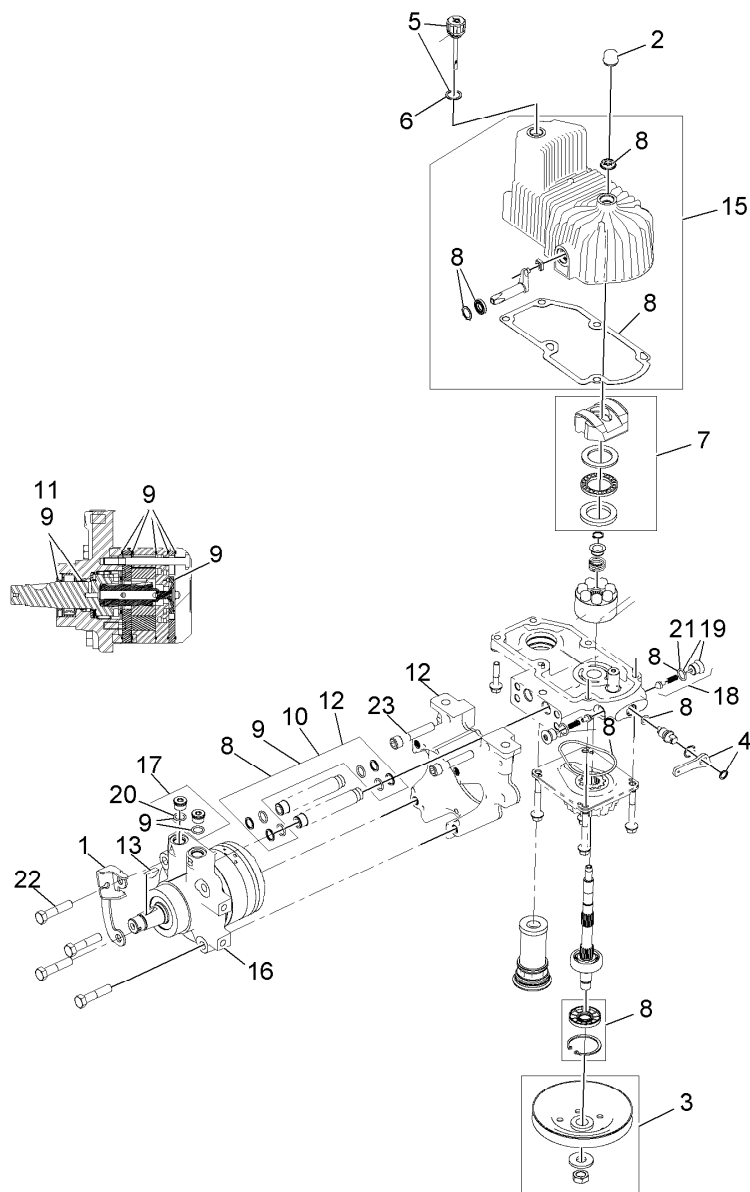


## Hydraulic Assembly

| Ref. | Part Number | Qty. | Description                              |
|------|-------------|------|------------------------------------------|
| 1    | 116-1255    | 1    | Pump Idler ASM                           |
| 2    | 109-6658    | 1    | Nut-Nyloc 3/8-16 Flg                     |
| 3    | 116-6417    | 1    | LH Hydro 12Cc No Fan                     |
| 4    | 116-1953    | 1    | Belt-V                                   |
| 5    | 116-6317    | 1    | Spring-Extension                         |
| 6    | 109-9375    | 1    | Cradle-Hydro                             |
| 7    | 116-1502    | 1    | Bolt-Carriage Shoulder<br>3/8-16 X 3 1/2 |
| 8    | 3233-34     | 6    | Bolt-Carriage 1/2-13 X 2 1/2             |
| 9    | 99-5107     | 6    | Nut-Lock 1/2-13                          |

| Ref. | Part Number | Qty. | Description                        |
|------|-------------|------|------------------------------------|
| 10   | 325-8       | 4    | Screw-HH 1/2-13 X 1 1/4            |
| 11   | 116-6418    | 1    | RH Hydro 12Cc No Fan               |
| 99   | 109-9828    | 1    | Bottle-Oil, 32Oz Hydraulic ●       |
| 99   | 116-0164    | 1    | Filter-Hydro ●                     |
| 99   | 116-1218    | 1    | Bottle,Oil 1 Gallon Hydraulic<br>● |
| 99   | 116-3282    | 1    | Kit,Hydro Service ●                |
| 99:1 | 109-9828    | 4    | Bottle-Oil, 32Oz Hydraulic ●       |
| 99:2 | 116-1953    | 1    | Belt-V                             |
| 99:3 | 116-0164    | 2    | Filter-Hydro ●                     |

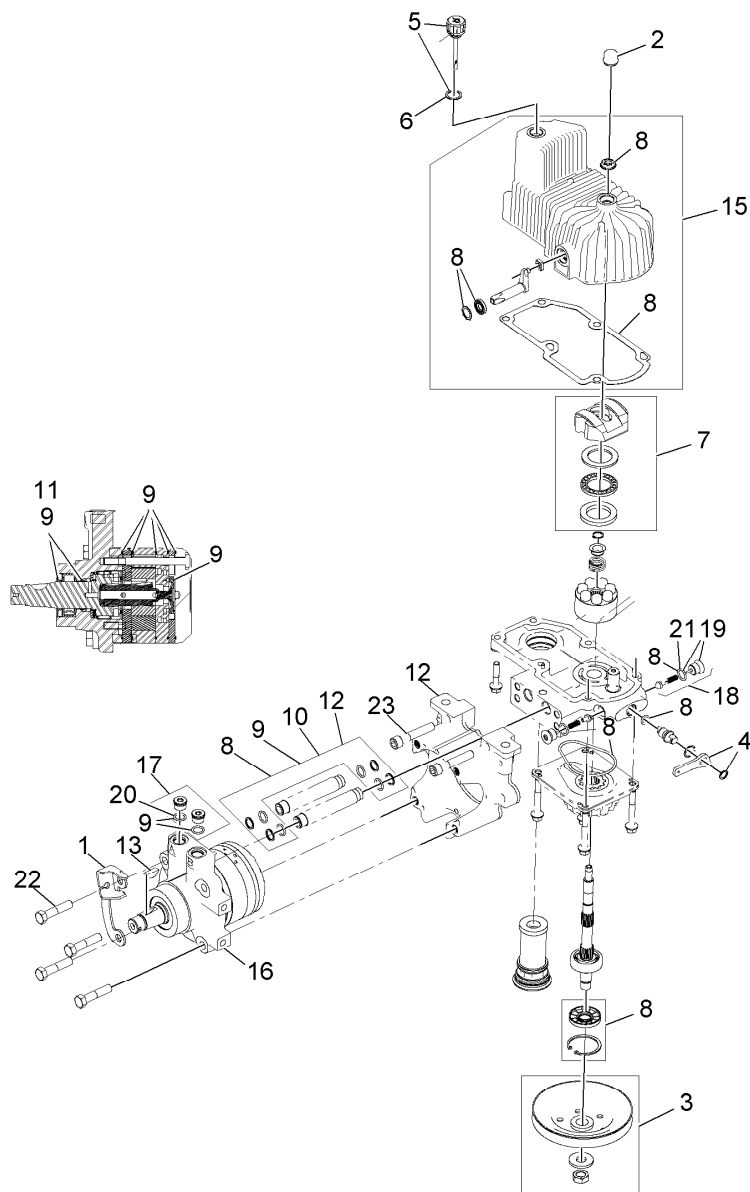
● Not illustrated



## LH Hydro Assembly No. 116-6417

| Ref. | Part Number | Qty. | Description                | Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|------|-------------|------|----------------------------|
| 1    | 116-6859    | 1    | Bracket-Anchor, Cable      | 12   | 116-5469    | 1    | Nose Cup-Uht               |
| 2    | 116-3052    | 1    | Cover-Shaft, Hydro         | 13   | 3257-42     | 1    | Key-Woodruff 5/16 X 1      |
| 3    | 116-0234    | 1    | Pulley Kit                 | 15   | 116-3287    | 1    | Housing-Hydro, LH          |
| 4    | 116-0235    | 1    | Handle-Bypass Valve, Hydro | 16   | 116-8915    | 1    | Motor-Hydraulic LH 240Cc   |
| 5    | 116-0236    | 1    | Dipstick-Hydro W/Gasket    | 17   | 116-7901    | 1    | Kit-Service Magnetic Plugs |
| 6    | 116-0237    | 1    | Gasket-Dipstick, Hydro     | 18   | 116-1630    | 2    | Check Valve ASM            |
| 7    | 116-1367    | 1    | Swash Block Kit            | 19   | 116-1631    | 2    | Plug-Check, W/O-Ring       |
| 8    | 116-1368    | 1    | Pump Seal Kit              | 20   | 76-1900     | 2    | O-Ring                     |
| 9    | 116-1369    | 1    | Motor Seal Kit             | 21   | 116-8662    | 2    | O-Ring, Check Valve        |
| 10   | 116-1370    | 1    | Tube Seal Kit              | 22   | 116-8974    | 4    | Screw-HH 1/2-20 X 2 1/4    |
| 11   | 116-1371    | 1    | Output Shaft Seal Kit      | 23   | 116-8975    | 2    | Screw-HSH 1/2-20 X 2 3/4   |
|      |             |      |                            | 99   | 116-1373    | 1    | Flow Test Kit ●            |

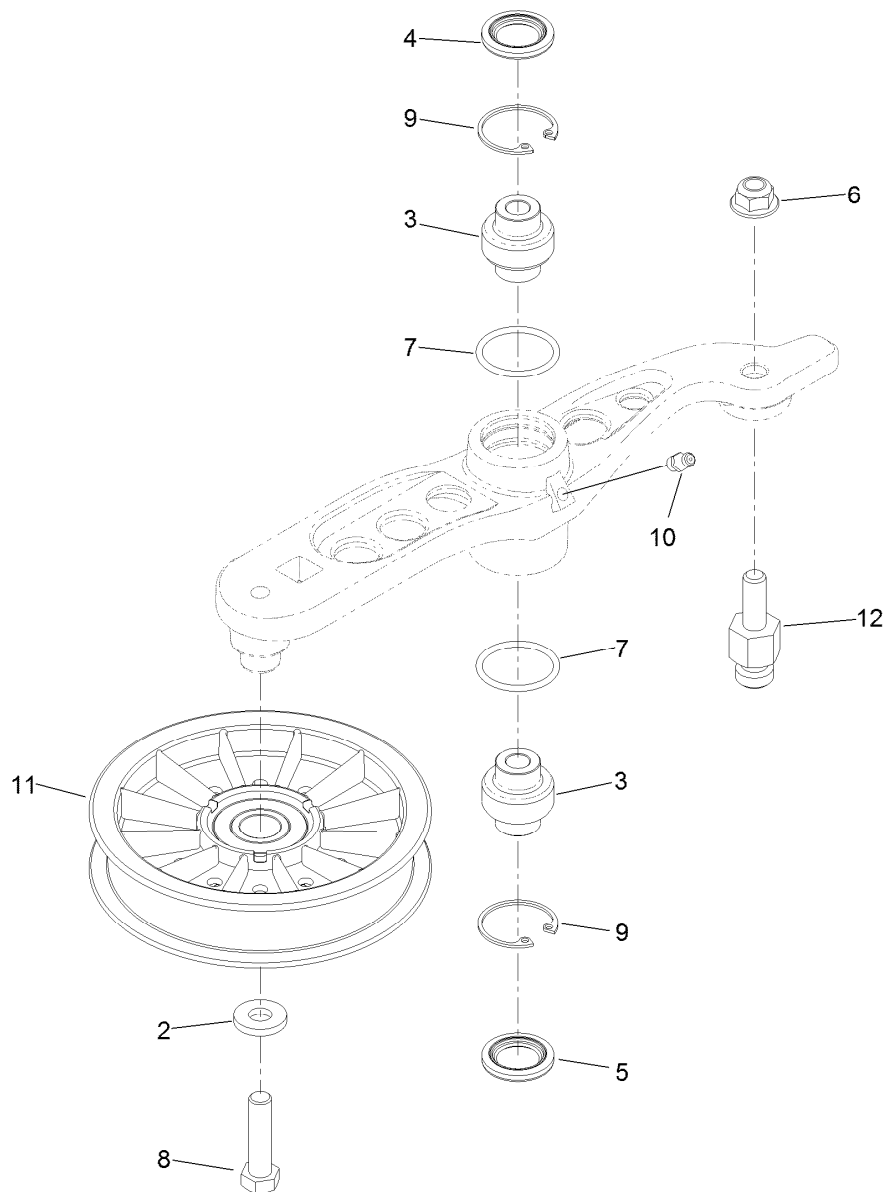
● Not illustrated



## RH Hydro Assembly No. 116-6418

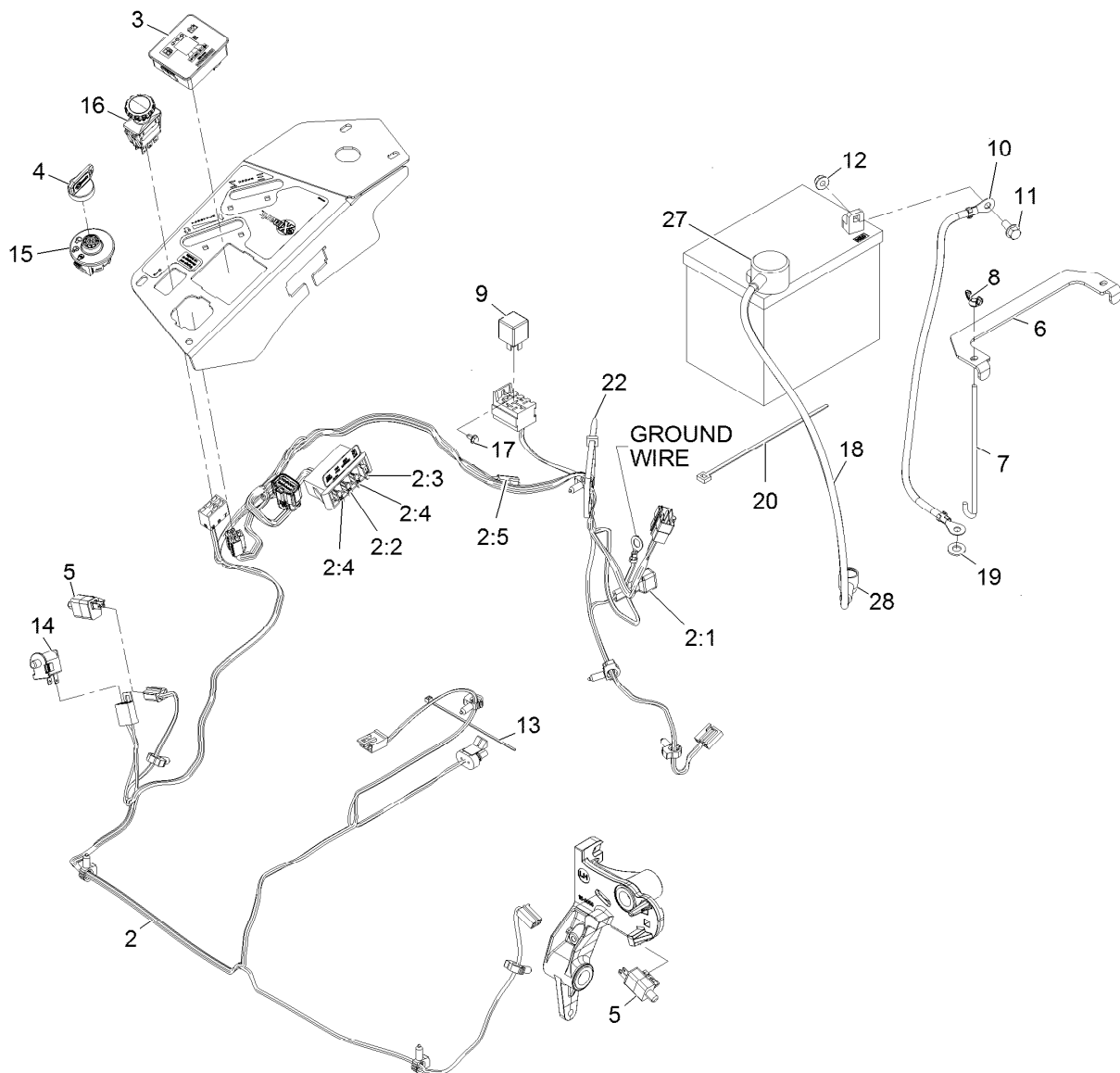
| Ref. | Part Number | Qty. | Description                | Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|------|-------------|------|----------------------------|
| 1    | 116-6859    | 1    | Bracket-Anchor, Cable      | 12   | 116-5469    | 1    | Nose Cup-Uht               |
| 2    | 116-3052    | 1    | Cover-Shaft, Hydro         | 13   | 3257-42     | 1    | Key-Woodruff 5/16 X 1      |
| 3    | 116-0234    | 1    | Pulley Kit                 | 15   | 116-3288    | 1    | Housing-Hydro, RH          |
| 4    | 116-0235    | 1    | Handle-Bypass Valve, Hydro | 16   | 116-8916    | 1    | Motor-Hydraulic RH 240Cc   |
| 5    | 116-0236    | 1    | Dipstick-Hydro W/Gasket    | 17   | 116-7901    | 1    | Kit-Service Magnetic Plugs |
| 6    | 116-0237    | 1    | Gasket-Dipstick, Hydro     | 18   | 116-1630    | 2    | Check Valve ASM            |
| 7    | 116-1367    | 1    | Swash Block Kit            | 19   | 116-1631    | 2    | Plug-Check, W/O-Ring       |
| 8    | 116-1368    | 1    | Pump Seal Kit              | 20   | 76-1900     | 2    | O-Ring                     |
| 9    | 116-1369    | 1    | Motor Seal Kit             | 21   | 116-8662    | 2    | O-Ring, Check Valve        |
| 10   | 116-1370    | 1    | Tube Seal Kit              | 22   | 116-8974    | 4    | Screw-HH 1/2-20 X 2 1/4    |
| 11   | 116-1371    | 1    | Output Shaft Seal Kit      | 23   | 116-8975    | 2    | Screw-HSH 1/2-20 X 2 3/4   |
|      |             |      |                            | 99   | 116-1373    | 1    | Flow Test Kit ●            |

● Not illustrated



## Pump Idler Assembly No. 116-1255

| Ref. | Part Number | Qty. | Description        |
|------|-------------|------|--------------------|
| 2    | 43-0940     | 1    | Spacer             |
| 3    | 103-3504    | 2    | Bearing-Spherical  |
| 4    | 103-3505    | 1    | Seal-Double Lip    |
| 5    | 103-3506    | 1    | Seal-Single Lip    |
| 6    | 109-6658    | 1    | Nut-Flange, NI     |
| 7    | 106-7159    | 2    | O-Ring             |
| 8    | 323-8       | 1    | Screw-HH           |
| 9    | 32120-10    | 2    | Ring-Snap          |
| 10   | 302-19      | 1    | Fitting-Grease     |
| 11   | 109-8076    | 1    | Pulley-Idler       |
| 12   | 116-3467    | 1    | Pin-Spring, Anchor |



## Electrical Assembly

| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 2    | 116-6009    | 1    | Harness-Wire, Main ●    |
| 2:1  | 103-3895    | 1    | Diode-Tvs               |
| 2:2  | 218-578     | 1    | Fuse-Blade, 10 Amp      |
| 2:3  | 109355      | 1    | Fuse-Blade, 15 Amp      |
| 2:4  | 109102      | 2    | Fuse-Blade, 25 Amp      |
| 2:5  | 116-0053    | 1    | Cap-Plug                |
| 3    | 117-3882    | 1    | Fuel/Hour Meter ASM     |
| 4    | 1-603511    | 1    | Key-Ignition            |
| 4    | 103-2106    | 1    | Key-Exmark Logo         |
| 5    | 110-6765    | 2    | Switch-Single Pole No   |
| 6    | 116-0042-03 | 1    | Strap-Tie Down, Battery |
| 7    | 1-633651    | 2    | Bolt-Holddown           |
| 8    | 1-543792    | 2    | Wingnut-Nyloc 1/4-20    |
| 9    | 1-643275    | 1    | Relay-12Vdc 40 Amp      |

| Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|
| 10   | 114-1218    | 1    | Cable-Battery, Negative    |
| 11   | 3234-5      | 2    | Screw-HH Flg 5/16-18 X 3/4 |
| 12   | 104-8300    | 2    | Nut-Nyloc 5/16-18 Flg      |
| 13   | 1-303287    | 3    | Tie-Cable 5 1/2 (Small)    |
| 14   | 82-2190     | 1    | Switch                     |
| 15   | 117-2221    | 1    | Switch-Ignition            |
| 16   | 116-0124    | 1    | Switch-PTO, 10A            |
| 17   | 104-2065    | 1    | Screw-HWH #10-24 X 3/8     |
| 18   | 115-3864    | 1    | Cable-Battery, Positive    |
| 19   | 3256-24     | 1    | Washer-3/8 Sae             |
| 20   | 1-303335    | 1    | Tie-Cable 7 15/16 (Large)  |
| 22   | 1-303335    | 1    | Tie-Cable 7 15/16 (Large)  |
| 27   | 109-2407    | 1    | Insulator-Battery          |
| 28   | 1-543393    | 1    | Insulator-Solenoid         |

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

## 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.

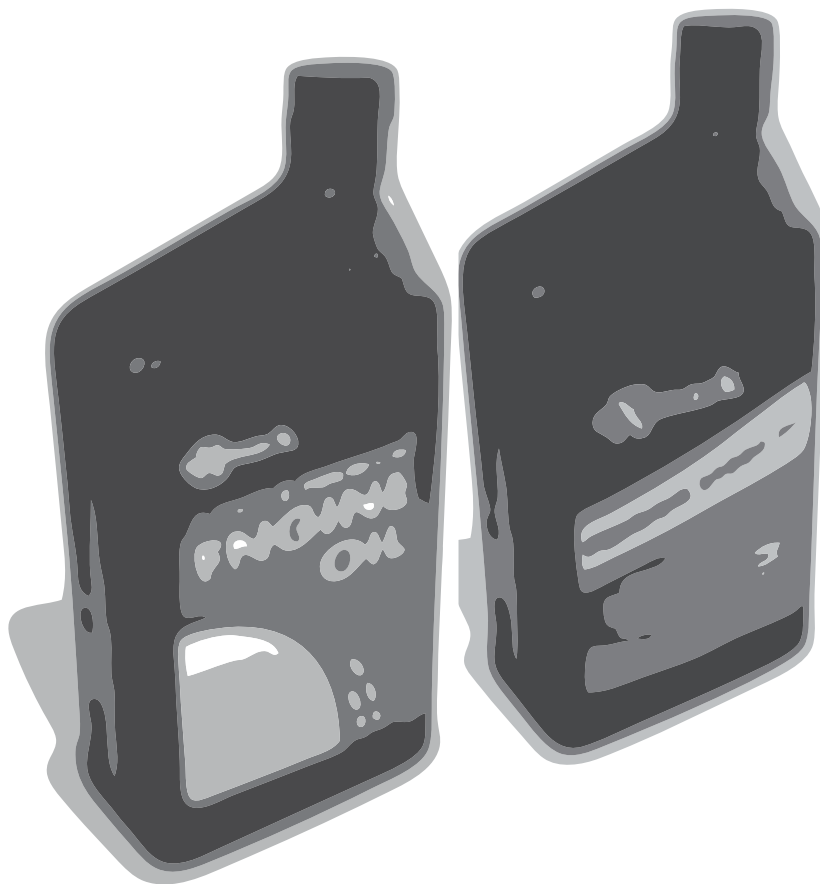
### **PREMIUM HYDRO OIL**

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) \_\_\_\_\_

© 2012 Exmark Mfg. Co., Inc.  
Industrial Park Box 808  
Beatrice, NE 68310  
All Rights Reserved

Part No. 4501-008 Rev. D  
(402) 223-6300  
Fax (402) 223-5489  
Printed in the USA.

