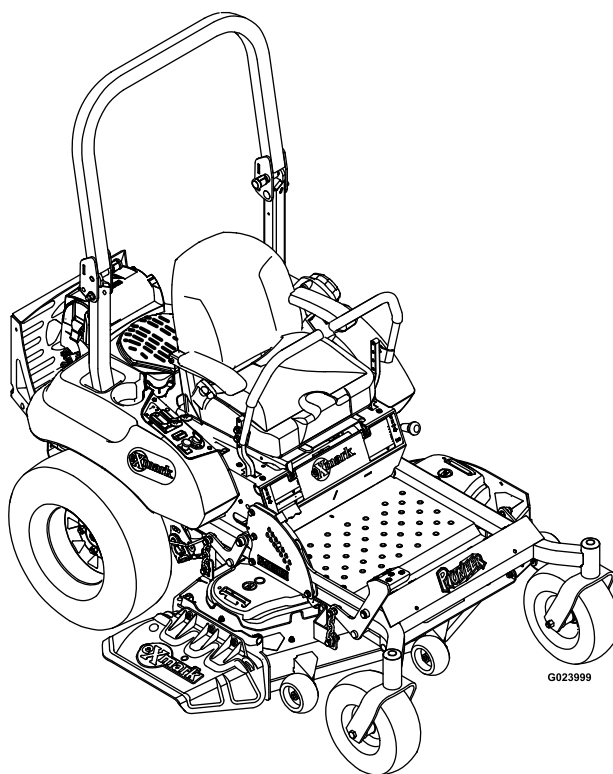




# **PIONEER® S-SERIES**

Model No. PNS710GKC483A4—Serial No. 315000000 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>HLH:</b> hex lag head                       | <b>PTH:</b> phillips truss head          |
| <b>ASM:</b> assembly                         | <b>HOC:</b> height-of-cut                      | <b>PTO:</b> power-take-off               |
| <b>BBC:</b> blade brake control              | <b>HP:</b> high pressure                       | <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>LP:</b> low pressure                        | <b>SRH:</b> slotted round head           |
| <b>FH:</b> flat head                         | <b>LPG:</b> Liquefied Petroleum Gas            | <b>STD:</b> standard                     |
| <b>GA:</b> gauge                             | <b>NI:</b> nylon insert                        | <b>TAP:</b> self tapping                 |
| <b>HD:</b> heavy-duty                        | <b>NPTF:</b> national pipe thread fine         | <b>TTH:</b> torx truss head              |
| <b>HF:</b> hex flange                        | <b>PFH:</b> phillips flat head                 |                                          |
| <b>HH:</b> hex head                          | <b>PPH:</b> phillips pan head                  |                                          |
| <b>HHF:</b> hex head flange                  | <b>PPHTF:</b> phillips pan head thread forming |                                          |
| <b>HHFTF:</b> hex head flange thread forming | <b>PRH:</b> phillips round head                |                                          |
| <b>HJ:</b> hex jam                           |                                                |                                          |

# Touch Up Paint

Exmark black touch up spray paint – gloss black.

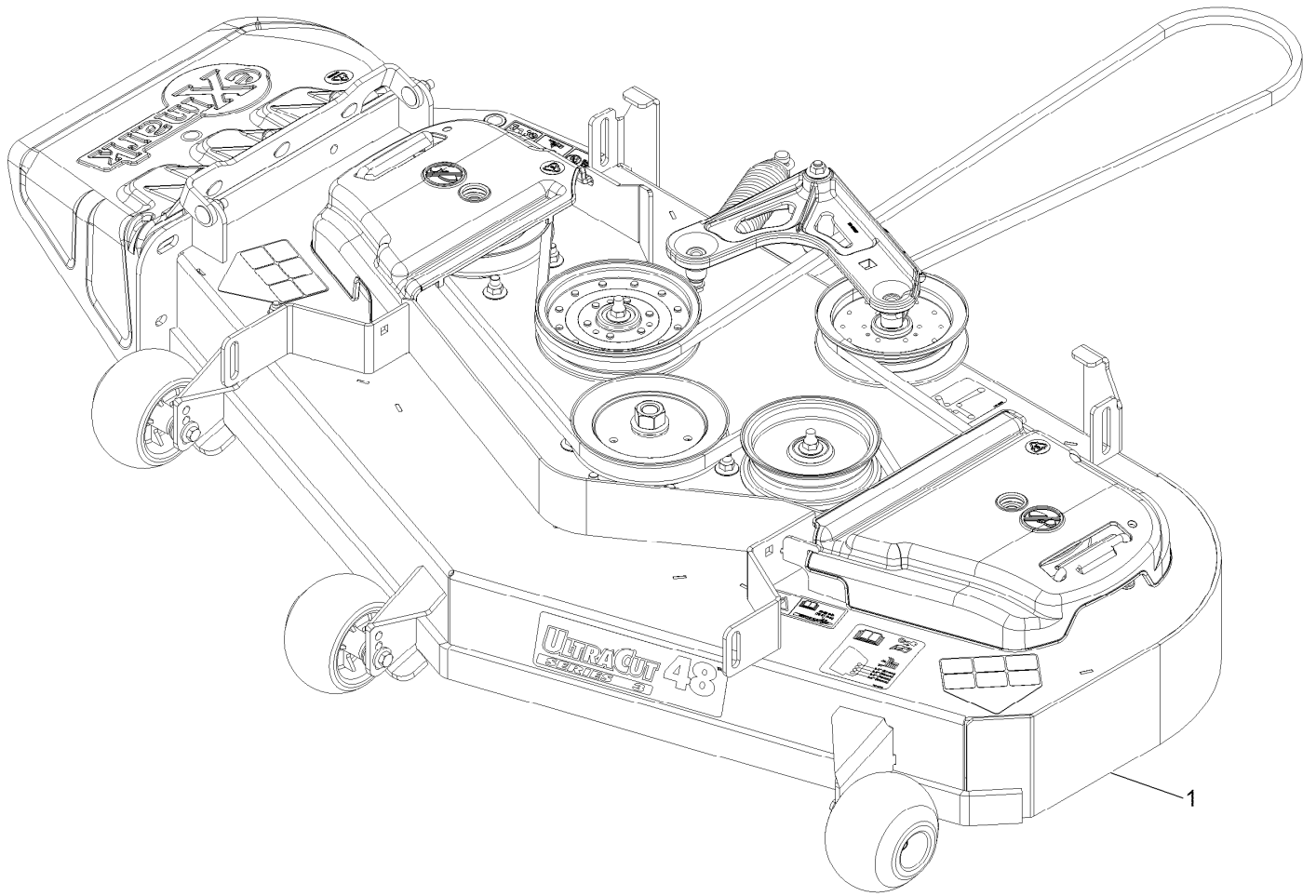
Exmark red touch up paint (spray paint – P/N 1-850337 - .6 oz liquid bottle – P/N 103-9140).



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.)

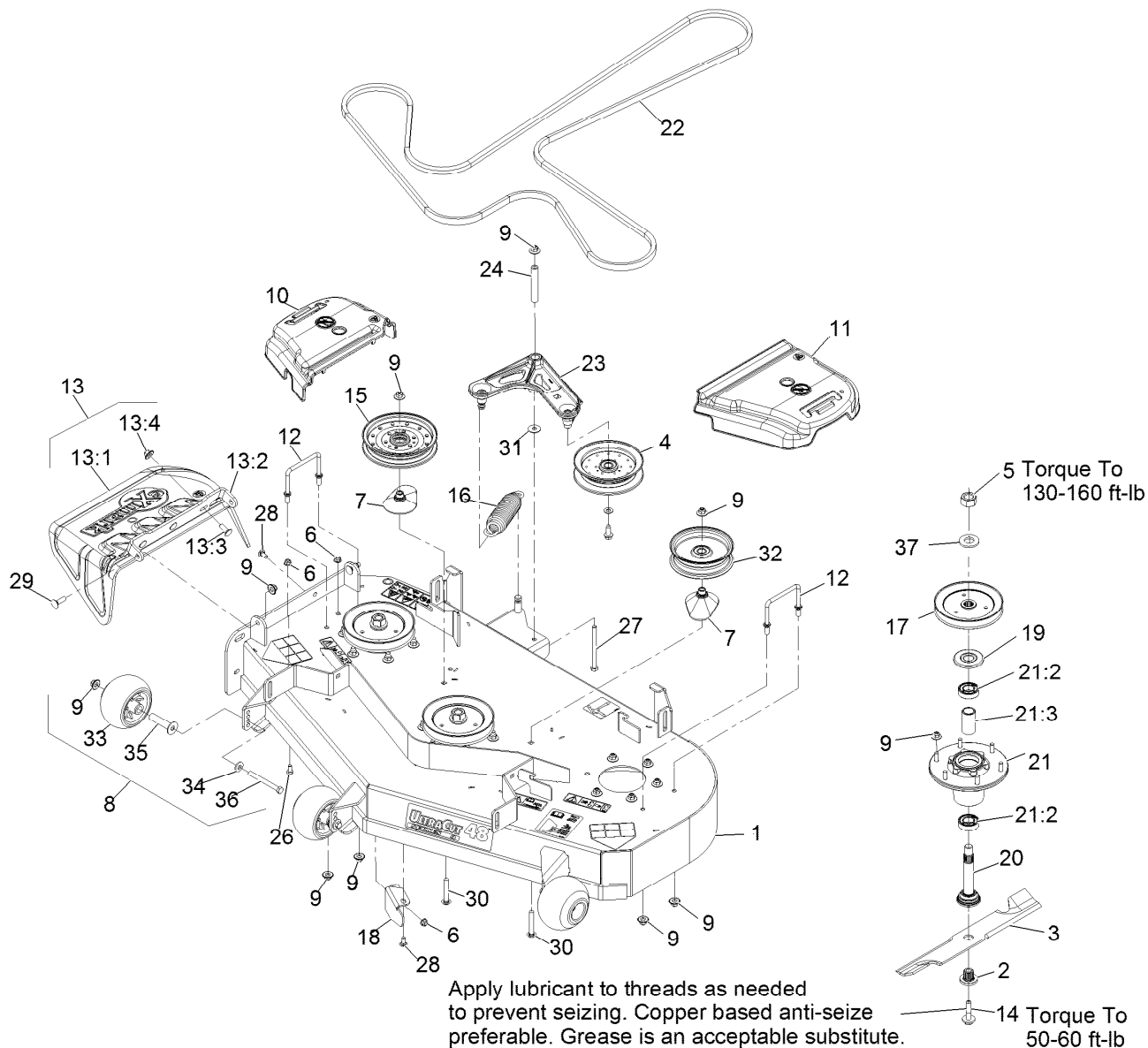
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## Complete Deck Assembly

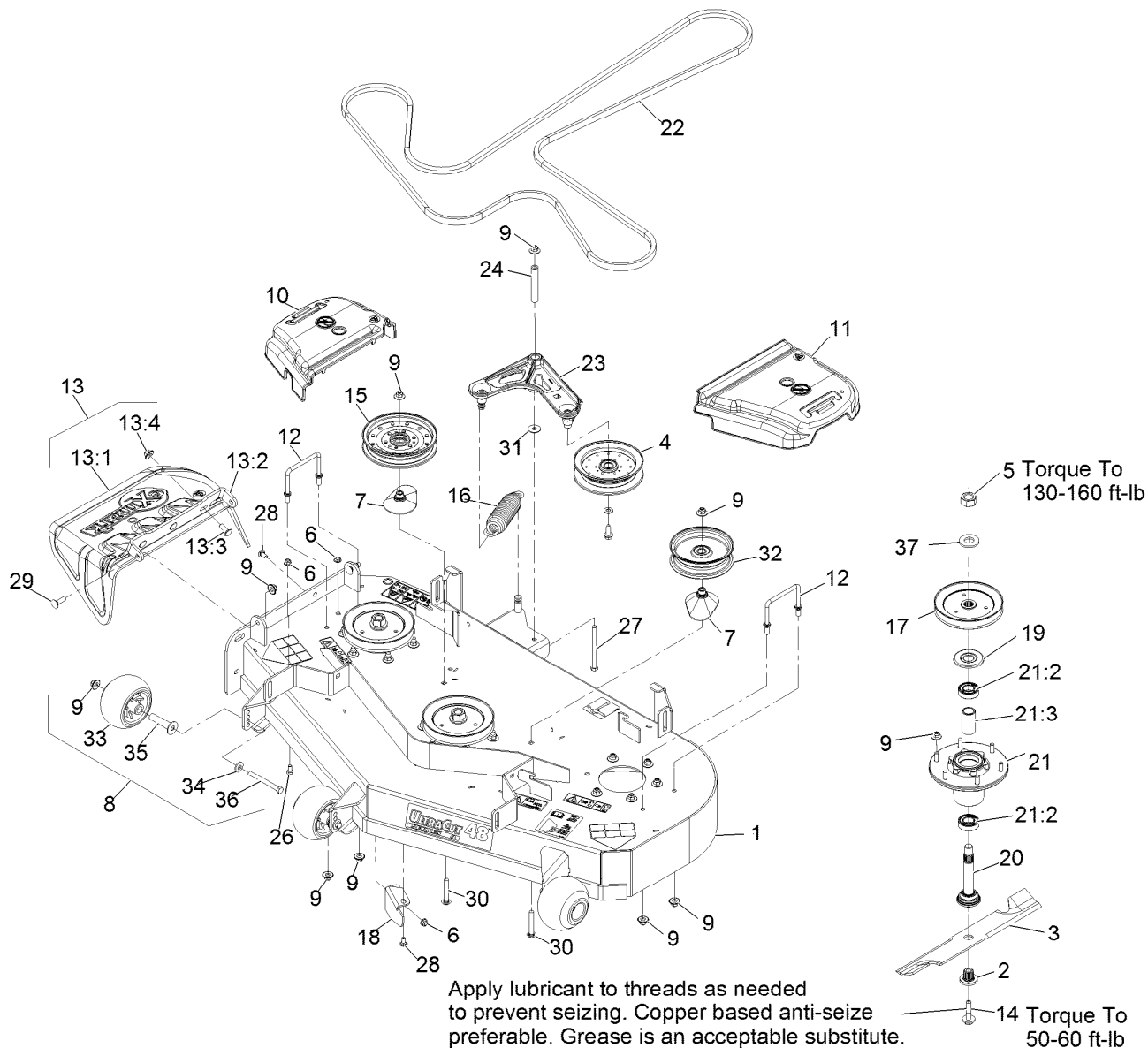
| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    | 116-4811    | 1    | ASM-Deck Complete 483 |



## Deck Assembly

| Ref. | Part Number | Qty. | Description              | Ref. | Part Number | Qty. | Description                  |
|------|-------------|------|--------------------------|------|-------------|------|------------------------------|
| 1    | 116-3195    | 1    | ASM-Deck W/Decals 48     | 13:3 | 3231-22     | 3    | Bolt-Carriage 3/8-16 X 1     |
| 2    | 103-3037    | 3    | Bushing, Splined         | 13:4 | 109-6658    | 3    | Nut-Nyloc 3/8-16 Flg         |
| 3    | 103-6381    | 3    | Blade, Solid             | 14   | 109-9220    | 3    | Screw-Sems 1/2-20 X 2.19     |
| 3    | 103-6386    | 3    | Blade, Low Lift          | 15   | 116-4670    | 1    | Pulley-Idler, Flat           |
| 3    | 103-6391    | 3    | Blade, Mulching ●        | 16   | 116-6317    | 1    | Spring-Extension             |
| 3    | 103-6401    | 3    | Blade-Notched            | 17   | 116-0674    | 3    | Sheave, Blade Drive 5.90     |
| 3    | 116-5177    | 3    | Blade-Extreme 2, 16.25"  | 18   | 116-0680-01 | 1    | Baffle, Discharge 483        |
| 4    | 116-4668    | 1    | Idler-Pulley, Flanged    | 19   | 116-1286    | 3    | Guard, Bearing Top .989      |
| 5    | 116-7306    | 3    | Nut-Hex                  | 20   | 116-3342    | 3    | ASM-Spindle And Seal         |
| 6    | 104-8300    | 3    | Nut-Nyloc 5/16-18 Flg    | 21   | 116-3344    | 3    | ASM-Cutter Hsg With Bearings |
| 7    | 109-2872    | 2    | Spacer-Pulley            | 21:2 | 116-0720    | 2    | Bearing-Ball                 |
| 8    | 116-9981    | 3    | Kit, Anti-Scalp Roller   | 21:3 | 116-3312    | 1    | Spacer-Bearing               |
| 9    | 109-6658    | 30   | Nut-Nyloc 3/8-16 Flg     | 22   | 116-3455    | 1    | Belt-B154.88                 |
| 10   | 109-6935    | 1    | Cover-Belt, RH           | 23   | 126-0976    | 1    | ASM-Idler Arm W/Bearings     |
| 11   | 109-6936    | 1    | Cover-Belt, LH           | 24   | 116-5111    | 1    | Bushing                      |
| 12   | 109-6982    | 2    | Wireform-Cover           | 26   | 322-2       | 1    | Screw-HH 5/16-18 X 5/8       |
| 13   | 109-7188    | 1    | ASM, Discharge Chute     | 27   | 323-23      | 1    | Screw-HH 3/8-16 X 4-1/2      |
| 13:1 | 109-2738    | 1    | Chute, Discharge         | 28   | 3230-1      | 2    | Bolt-Carriage 5/16-18 X 3/4  |
| 13:2 | 109-8675-01 | 1    | Bracket, Discharge Chute |      |             |      |                              |

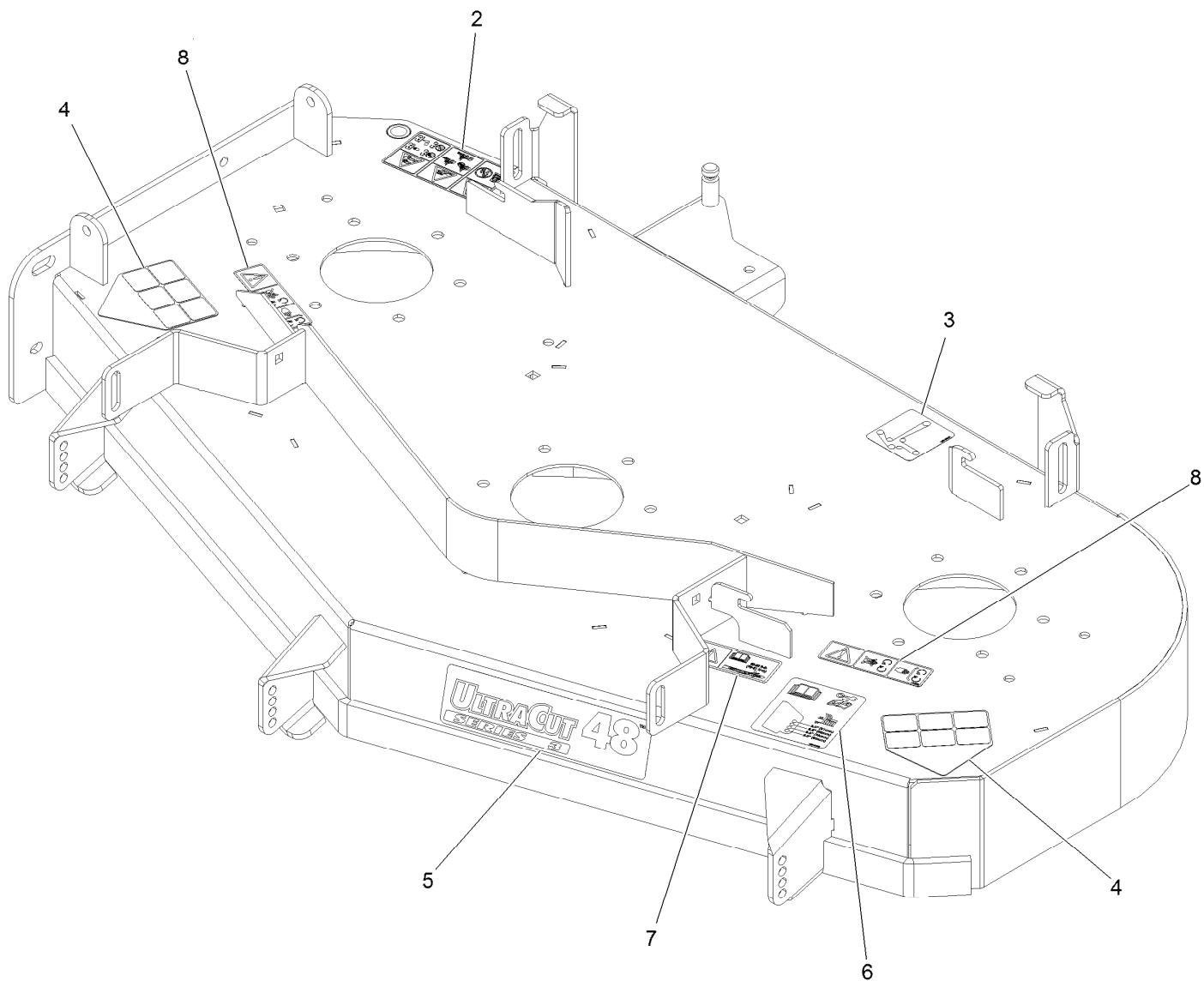
● Requires installation of mulch kit for proper mulching. See your Exmark dealer for details.



## Deck Assembly (continued)

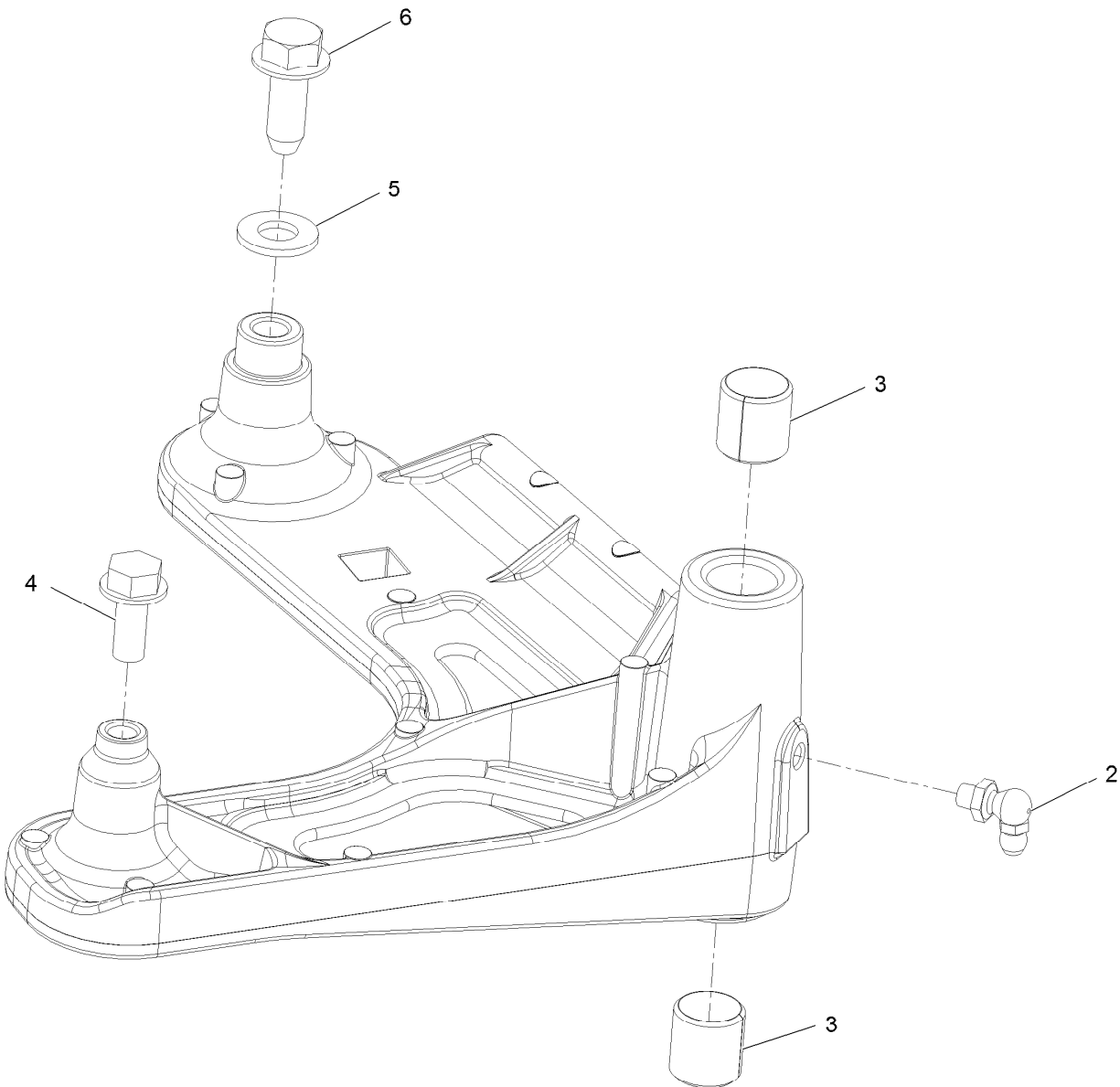
| Ref. | Part Number | Qty. | Description                  | Ref. | Part Number | Qty. | Description                  |
|------|-------------|------|------------------------------|------|-------------|------|------------------------------|
| 29   | 3231-25     | 2    | Bolt-Carriage 3/8-16 X 1 1/4 | 34   | 98-5975     | 3    | Washer-Spring Disc 3/8       |
| 30   | 3231-44     | 2    | Bolt-Carriage 3/8-16 X 2 1/2 | 35   | 116-8131    | 3    | Axle, Roller                 |
| 31   | 52-2860     | 1    | Washer                       | 36   | 116-9362    | 3    | Screw-HH 3/8-16 X 3 3/4 Gr 8 |
| 32   | 116-4669    | 1    | Pulley-Idler Flat            | 37   | 103-2802    | 3    | Washer-Spring Disc 3/4       |
| 33   | 103-8415    | 3    | Roller-Anti-Scalp            |      |             |      |                              |

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



## Deck W/Decals Assembly 116-3195

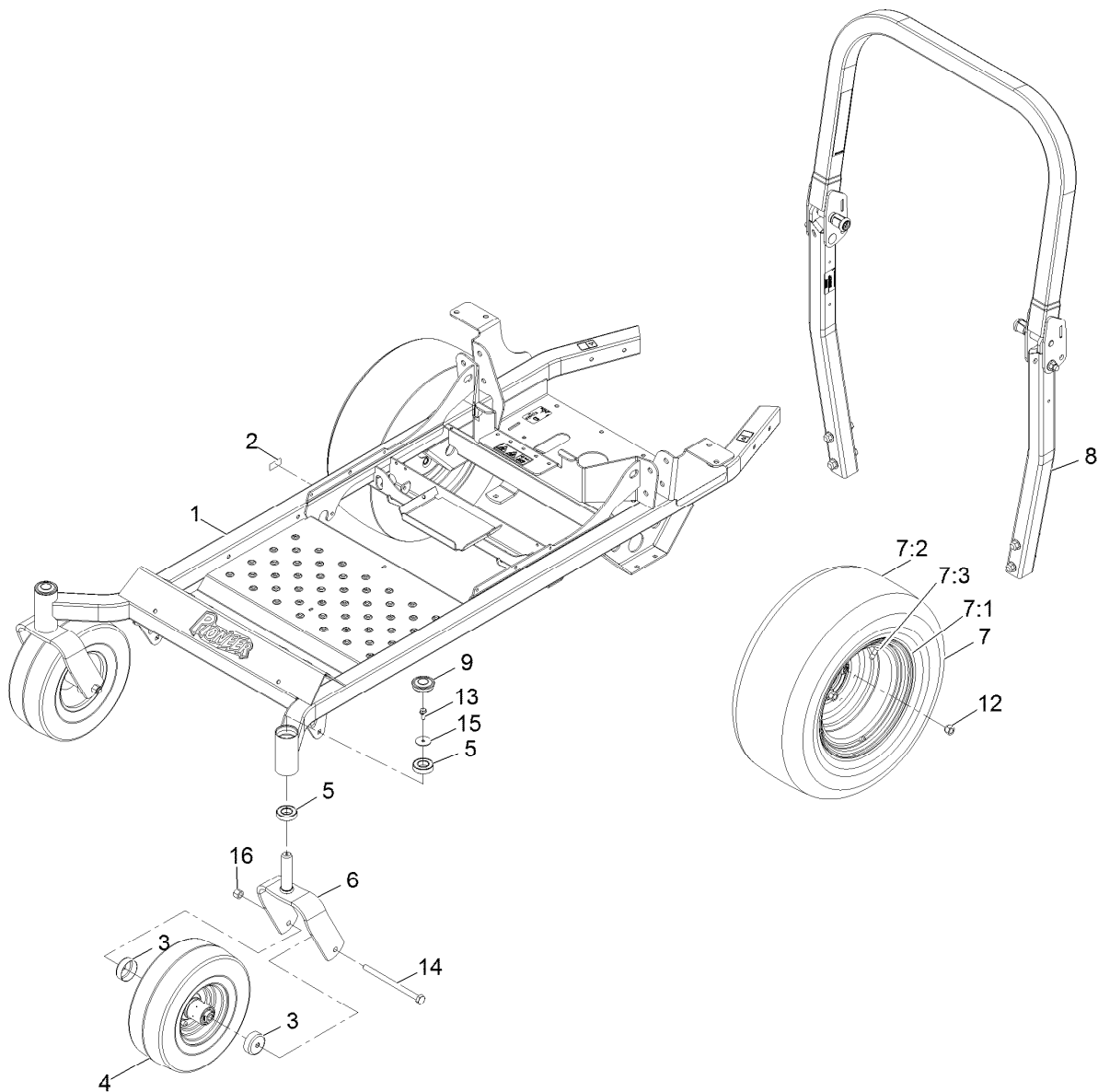
| Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|
| 2    | 117-3848    | 1    | Decal-Danger               |
| 3    | 109-6035    | 1    | Decal-Belt Routing         |
| 4    | 93-7316     | 2    | Decal-Danger               |
| 5    | 116-4697    | 1    | Decal-Ultracut 48 Series 3 |
| 6    | 109-6036    | 1    | Decal-Roller, Anti-Scalp   |
| 7    | 116-8283    | 1    | Decal-Bolt Torque          |
| 8    | 112-9028    | 2    | Decal-Cover Missing        |



## Idler Arm W/Bearings Assembly

| Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|
| 2    | 302-40      | 1    | Zerk-90° 1/4-28            |
| 3    | 1-513034    | 2    | Sleeve-Bearing             |
| 4    | 32144-11    | 1    | Screw-HWH 5/16-18 X 3/4 Tf |
| 5    | 3256-24     | 1    | Washer-3/8 Sae             |
| 6    | 126-1696    | 1    | Screw-Thread Forming       |

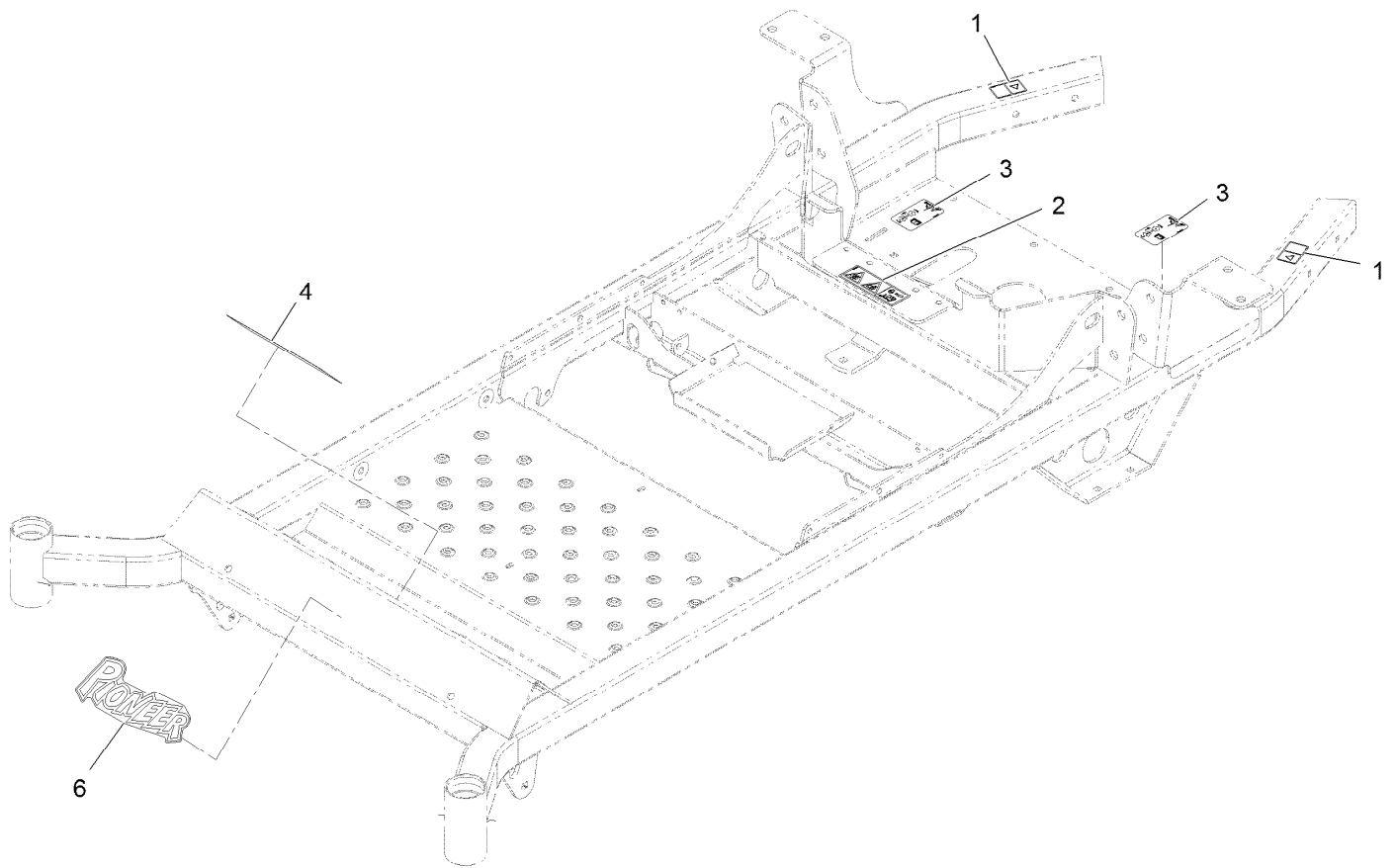




## Main Frame Assembly

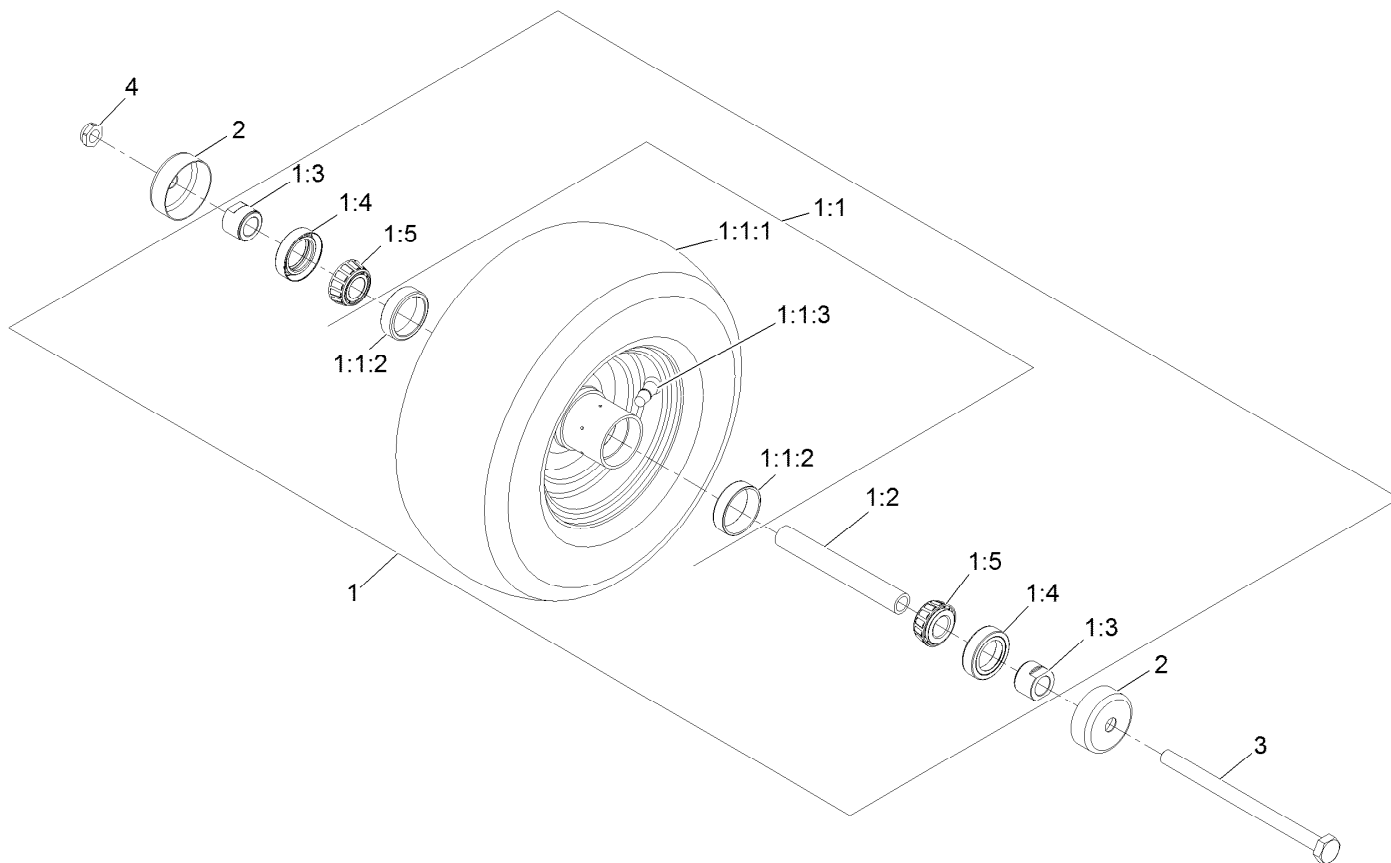
| Ref. | Part Number | Qty. | Description                        |
|------|-------------|------|------------------------------------|
| 1    | 116-6831    | 1    | Frame ASM-48-52                    |
| 2    | 126-4345    | 1    | Decal-Patent Ttco.Com              |
| 3    | 103-2768    | 4    | Guard-Seal                         |
| 4    | 103-5189    | 2    | Asm, Caster Wheel<br>(Pneumatic)   |
| 5    | 109-3678    | 4    | Bearing-Ball                       |
| 6    | 116-0611-01 | 2    | Wld,Caster Fork                    |
| 7    | 116-6318    | 2    | ASM-Wheel And Tire 22 X<br>9.50-12 |
| 7:1  | 116-6320    | 1    | Wheel                              |

| Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|
| 7:2  | 120-3271    | 1    | Tire                       |
| 7:3  | 232-27      | 1    | Stem-Valve                 |
| 8    | 116-3498    | 1    | ASM-ROPS Pioneer           |
| 9    | 116-4348    | 2    | Cap-Grease                 |
| 12   | 242-50      | 8    | Nut-Lug 1/2-20             |
| 13   | 3234-5      | 2    | Screw-HH Flg 5/16-18 X 3/4 |
| 14   | 325-36      | 2    | Screw-HH 1/2-13 X 7 1/2    |
| 15   | 3256-68     | 2    | Washer-Flat                |
| 16   | 3296-23     | 2    | Nut-Nyloc 1/2-13           |



## Main Frame W/Decals Assembly

| Ref. | Part Number | Qty. | Description                    |
|------|-------------|------|--------------------------------|
| 1    | 106-5517    | 2    | Decal-Warning, Hot Surface     |
| 2    | 126-4363    | 1    | Decal-Warning Rotating Devices |
| 3    | 116-8588    | 2    | Decal-Drive Release            |
| 4    | 127-0335    | 1    | Decal-Warning, Slope           |
| 6    | 116-4570    | 1    | Decal-Pioneer Logo             |

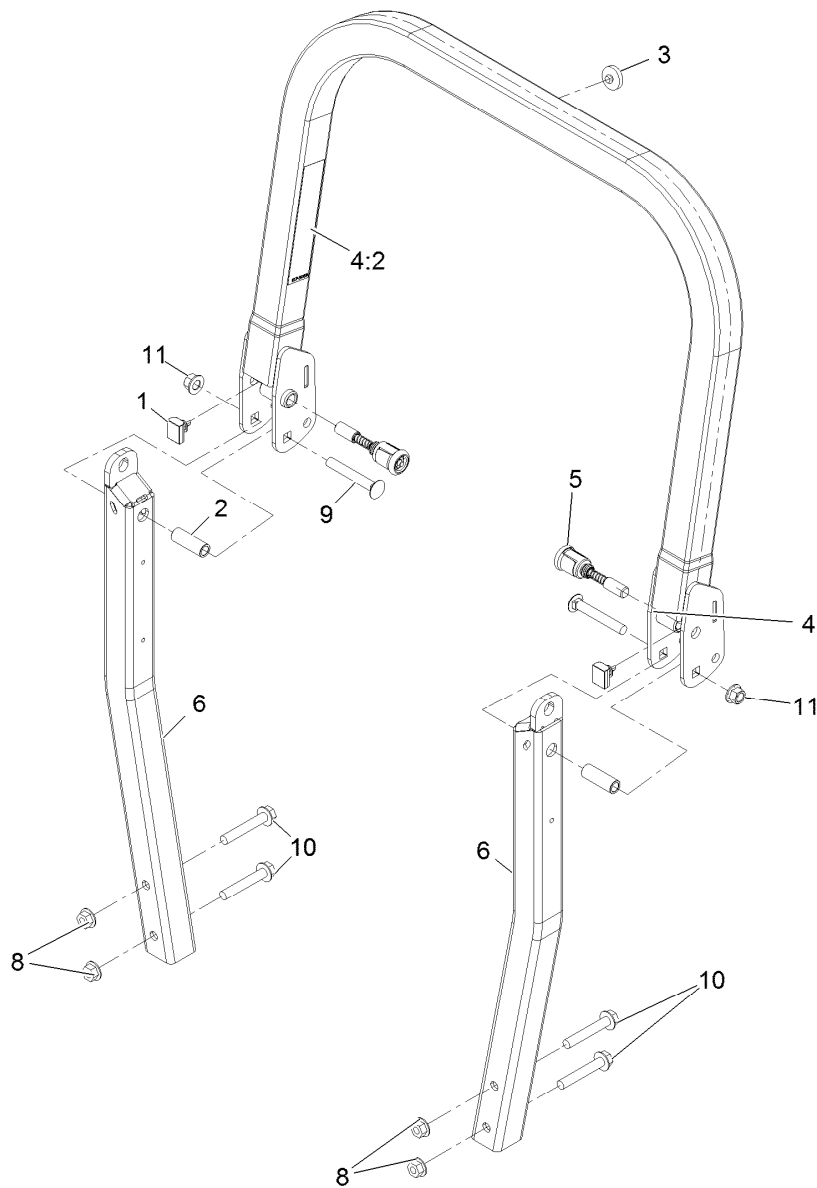


## Caster Wheel Assembly No. 103-5189

| Ref.  | Part Number | Qty. | Description                     |
|-------|-------------|------|---------------------------------|
| 1     |             | 1    | ASM, Wheel And Brg 13X5.00-6 ●  |
| 1:1   |             | 1    | ASM, Wheel And Tire 13X5.00-6 ● |
| 1:1:1 | 1-633002    | 1    | Tire                            |
| 1:1:2 | 1-633584    | 2    | Bearing-Cup                     |
| 1:1:3 | 5108        | 1    | Valve                           |
| 1:2   | 103-3155    | 1    | Axle-Caster                     |
| 1:3   | 103-3051    | 2    | Spacer-Nut ■                    |
| 1:4   | 103-0063    | 2    | Seal-Double Lip                 |
| 1:5   | 1-633585    | 2    | Bearing-Cone Tapered Roller     |
| 2     | 103-2768    | 2    | Guard-Seal                      |
| 3     | 325-36      | 1    | Screw-HH 1/2-13 X 7 1/2         |
| 4     | 3296-45     | 1    | Nut-Nyloc 1/2-13 Thin           |

● Not serviced separately

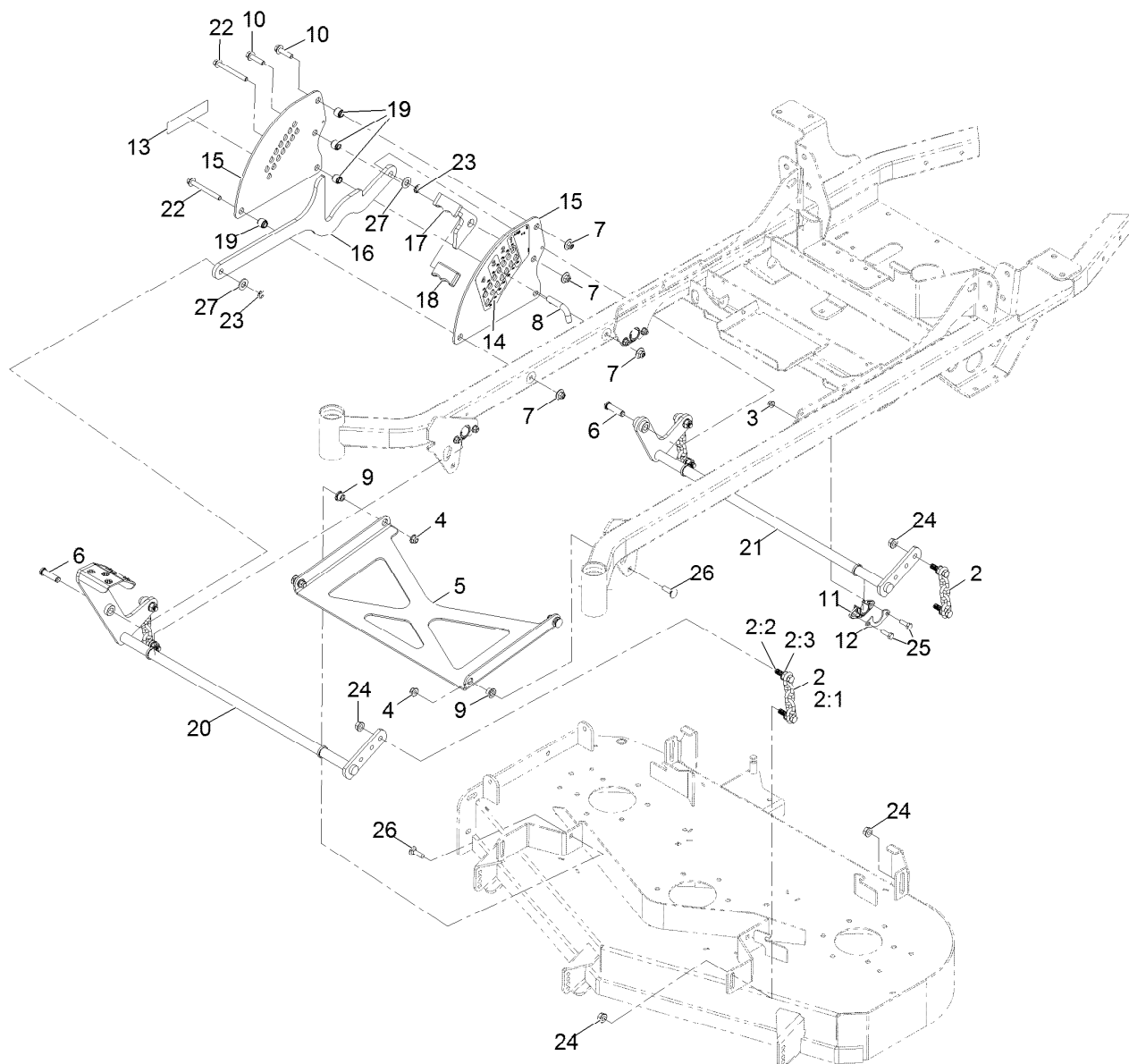
■ Use Pro-Lock, Nut Type (P/N 1-840022, .5ml tube) on threads.



## Roll-Over Protection System Assembly No. 116-3498

| Ref. | Part Number | Qty. | Description                  |
|------|-------------|------|------------------------------|
| 1    | 109-5337    | 2    | Bumper-ROPS                  |
| 2    | 109-6653    | 2    | Spacer                       |
| 3    | 109-9233    | 1    | Bumper-Push-In, Rubber       |
| 4    | 116-0019    | 1    | Upper ROPS ASM               |
| 4:2  | 107-3069    | 1    | Decal-Warning, Folding ROPS  |
| 5    | 116-0104    | 2    | Pin-Spring                   |
| 6    |             | 2    | ASM-Lwr ROPS Leg ●           |
| 8    | 32128-49    | 4    | Nut-Whizlock 1/2-13          |
| 9    | 3233-10     | 2    | Bolt-Carriage 1/2-13 X 3 1/2 |
| 10   | 3234-40     | 4    | Screw-HF                     |
| 11   | 99-5107     | 2    | Nut-Lock 1/2-13              |

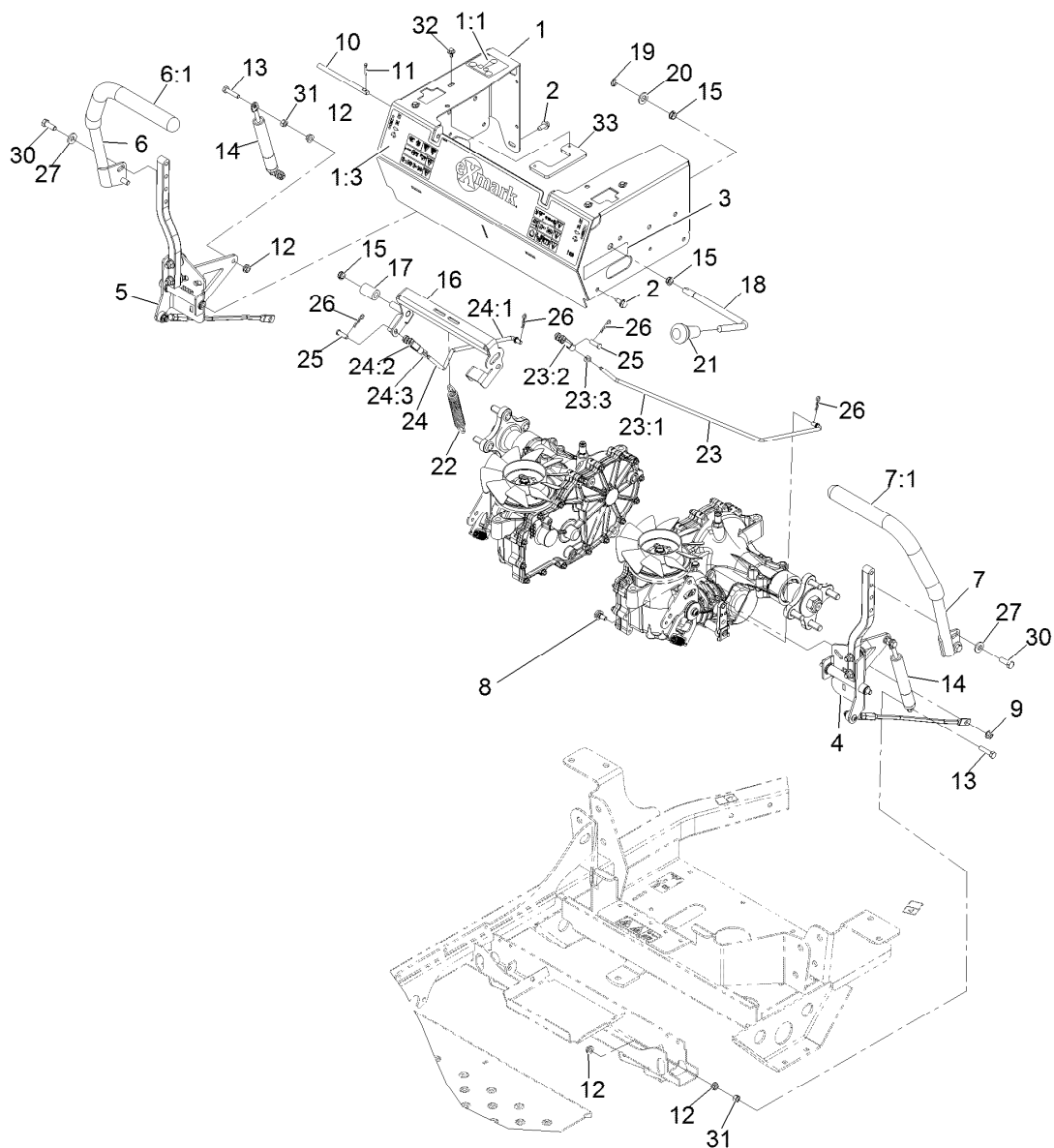
● Not serviced separately



## Deck Lift Assembly

| Ref. | Part Number | Qty. | Description                    |
|------|-------------|------|--------------------------------|
| 2    | 103-9817    | 4    | Deck Chain ASM                 |
| 2:1  | 1-633447    | 1    | Chain-Lift, Deck               |
| 2:2  | 103-1898    | 2    | Screw-HH 7/16-20 X 1-5/8<br>Sp |
| 2:3  | 32128-37    | 2    | Nut-Whizlock 7/16-14           |
| 3    | 104-8300    | 8    | Nut-Nyloc 5/16-18 Flg          |
| 4    | 104-8301    | 4    | Nut-Nyloc 3/8-16 Flg           |
| 5    | 109-3723-01 | 1    | Strut-Deck                     |
| 6    | 109-5819    | 2    | Pin-Clevis                     |
| 7    | 109-6658    | 4    | Nut-Nyloc 3/8-16 Flg           |
| 8    | 116-5584    | 1    | Pin-HOC                        |
| 9    | 109-8788    | 4    | Bushing-Flanged                |
| 10   | 114-4681    | 2    | Screw-HHF                      |
| 11   | 115-5065    | 4    | Bushing-Flange                 |
| 12   | 116-2887    | 4    | Gusset-Lift, Deck              |

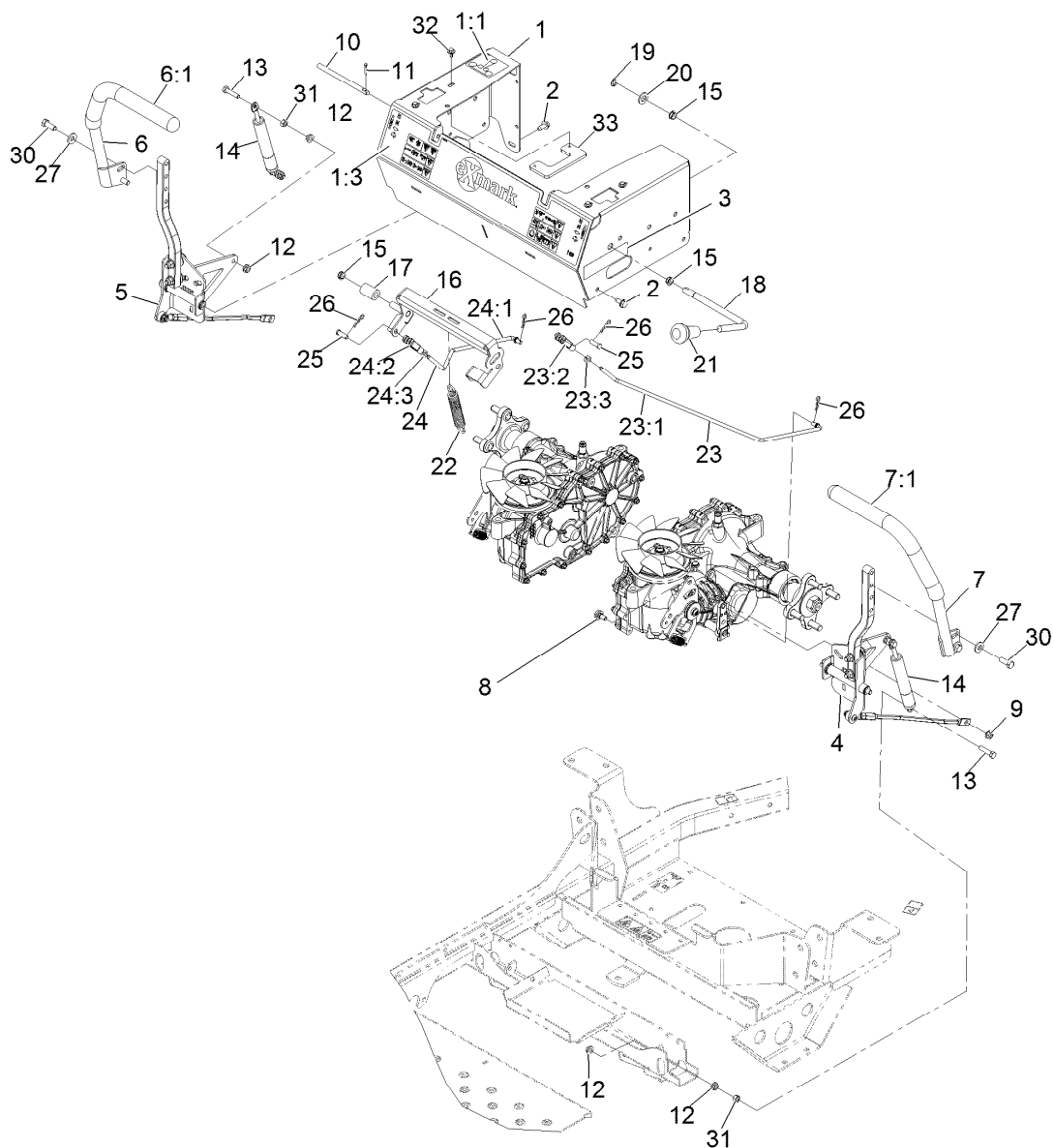
| Ref. | Part Number | Qty. | Description                  |
|------|-------------|------|------------------------------|
| 13   | 116-3884    | 1    | Decal-S-Series               |
| 14   | 126-4383    | 1    | Decal-Height Of Cut          |
| 15   | 116-4309-03 | 2    | Plate,Deck Lift              |
| 16   | 116-4310-03 | 1    | Link-HOC                     |
| 17   | 116-4311    | 1    | Transport Lock-HOC           |
| 18   | 116-4312    | 1    | Grip-Bar, Flat               |
| 19   | 116-4313    | 4    | Spacer-Step, Double          |
| 20   | 116-6011-03 | 1    | Wld-Deck Lift Shaft Frt      |
| 21   | 116-6012-03 | 1    | Wld-Deck Lift Shaft Rr       |
| 22   | 116-4701    | 2    | Screw-HHF                    |
| 23   | 32120-47    | 2    | Ring-Retaining               |
| 24   | 32128-37    | 8    | Nut-Whizlock 7/16-14         |
| 25   | 322-5       | 8    | Screw-HH 5/16-18 X 1         |
| 26   | 3231-25     | 4    | Bolt-Carriage 3/8-16 X 1 1/4 |
| 27   | 3256-26     | 2    | Washer-1/2 Sae               |



## Motion Control Assembly

| Ref. | Part Number | Qty. | Description                  | Ref. | Part Number | Qty. | Description                      |
|------|-------------|------|------------------------------|------|-------------|------|----------------------------------|
| 1    | 116-3188    | 1    | ASM-Mot Ctrl Frm W/Dcl       | 13   | 1-403180    | 4    | Screw-HH 5/16-18 X 1 3/8 Special |
| 1:1  | 109-6014    | 1    | Decal-Belt Routing           | 14   | 109-5957    | 2    | Damper-Motion Control            |
| 1:3  | 116-8668    | 1    | Decal-Console                | 15   | 116-1393    | 3    | Bushing,Snap                     |
| 2    | 32144-70    | 6    | Screw-HWH 5/16-18 X 3/4 Tf   | 16   | 116-6233    | 1    | Wld-Brake Center Arm             |
| 3    | 116-3884    | 1    | Decal-S-Series               | 17   | 109-5010    | 1    | Spacer                           |
| 4    |             | 1    | Motion Control ASM-LH ●      | 18   | 116-3155    | 1    | Handle,Brake                     |
| 5    |             | 1    | Motion Control ASM-RH ●      | 19   | 32120-47    | 1    | Ring-Retaining                   |
| 6    | 119-3486    | 1    | RH Handle ASM                | 20   | 106-9888    | 1    | Washer-Flat                      |
| 6:1  | 108-6187    | 1    | Grip                         | 21   | 106-7952    | 1    | Knob                             |
| 7    | 119-3485    | 1    | LH Handle ASM                | 22   | 88-6130     | 1    | Spring-Deck, Engagement          |
| 7:1  | 108-6187    | 1    | Grip                         | 23   | 116-1165    | 1    | Brake Linkage ASM-LH             |
| 8    | 37-8771     | 2    | Screw-Shoulder 5/16-18 X 5/8 | 23:1 | 116-1167    | 1    | Linkage,Brake LH                 |
| 9    | 104-8300    | 2    | Nut-Nyloc 5/16-18 Flg        | 23:2 | 1-303105    | 1    | Yoke-Adjustable                  |
| 10   | 109-3705    | 2    | Pin-Control Pivot            | 23:3 | 3220-2      | 1    | Nut-Jam 5/16-24                  |
| 11   | 3272-10     | 2    | Pin-Cotter 1/8 X 3/4         | 24   | 116-1166    | 1    | Brake Linkage ASM-RH             |
| 12   | 32128-20    | 8    | Nut-Whizlock 5/16-18         | 24:1 | 116-1168    | 1    | Linkage-Brake, RH                |
|      |             |      |                              | 24:2 | 1-303105    | 1    | Yoke-Adjustable                  |
|      |             |      |                              | 24:3 | 3220-2      | 1    | Nut-Jam 5/16-24                  |

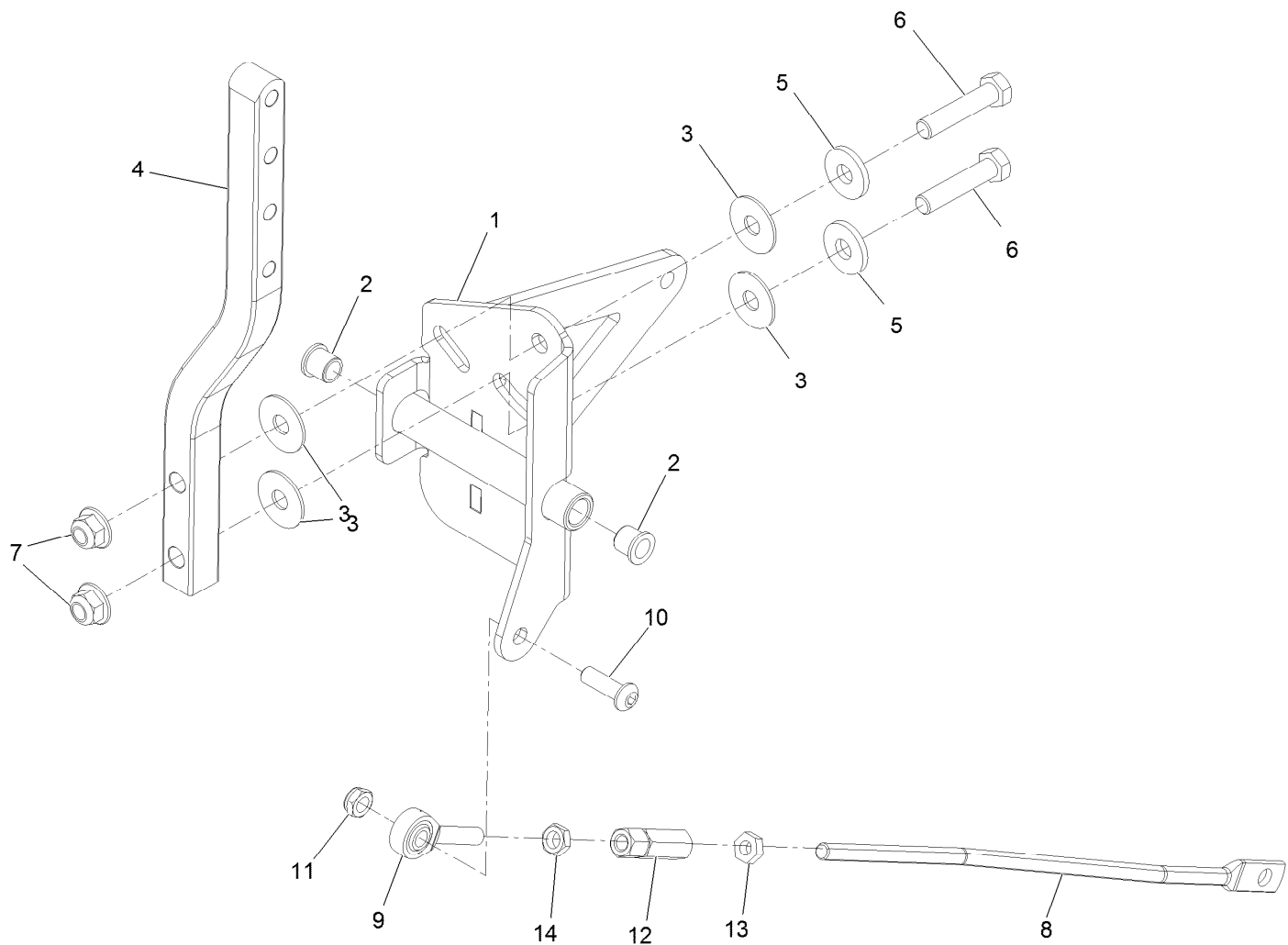
● Not serviced separately



## Motion Control Assembly (continued)

| Ref. | Part Number | Qty. | Description               | Ref. | Part Number | Qty. | Description            |
|------|-------------|------|---------------------------|------|-------------|------|------------------------|
| 25   | 1-808280    | 2    | Pin-Clevis 5/16 X 1 49/64 | 31   | 3217-6      | 4    | Nut-Hex 5/16-18        |
| 26   | 1-806003    | 4    | Hairpin-Cotter            | 32   | 46-8560     | 4    | Screw-HHF 1/4-20 X 1/2 |
| 27   | 98-5975     | 4    | Washer-Spring Disc 3/8    | 33   | 109-6214    | 2    | Stop-Motion Control    |
| 30   | 323-6       | 4    | Screw-HH 3/8-16 X 1       |      |             |      |                        |

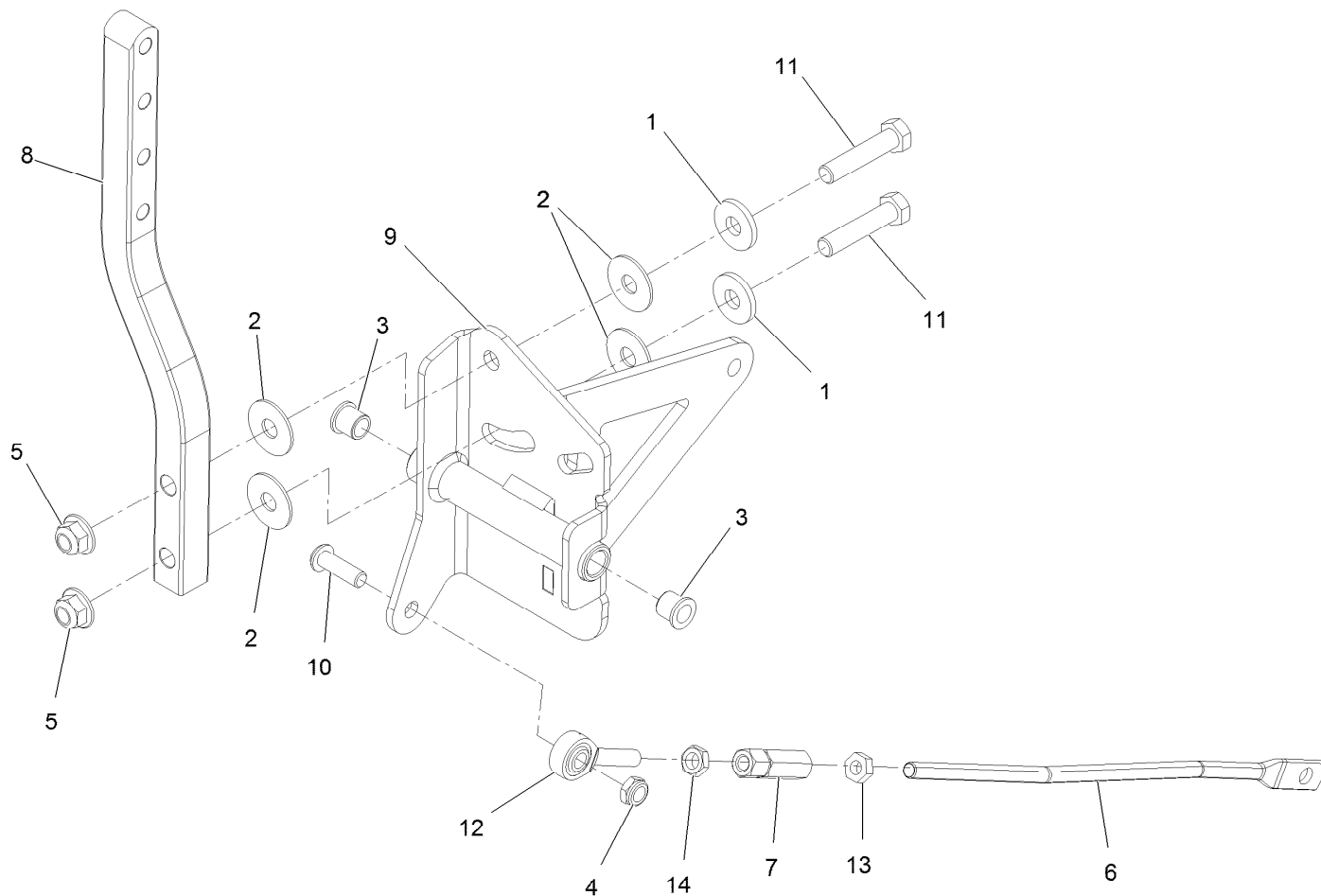
● Not serviced separately



## LH Motion Control Assembly

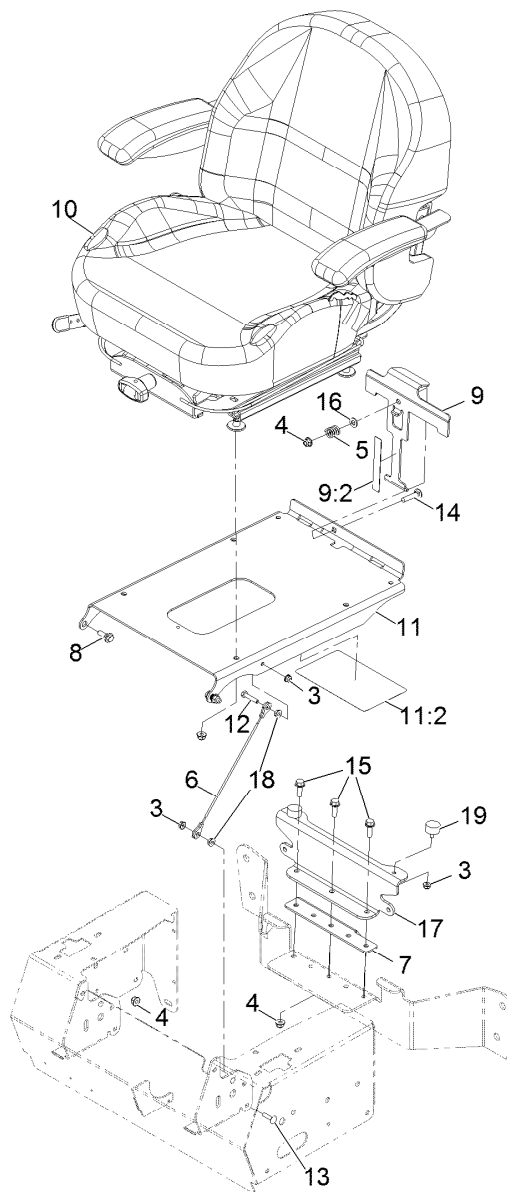
| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 1    | 126-3710    | 1    | LH Control Pivot ASM |
| 2    | 103-9928    | 2    | Bearing              |
| 3    | 52-2900     | 4    | Washer-Plastic       |
| 4    | 116-3183    | 1    | Arm-Motion Control   |
| 5    | 5-0838      | 2    | Washer               |
| 6    | 323-9       | 2    | Screw-HH             |
| 7    | 104-8301    | 2    | Nut-Flange, NI       |
| 8    | 116-2543    | 1    | Link, Motion Control |
| 9    | 2411-53     | 1    | Bearing-Rod End, LH  |
| 10   | 3274-104    | 1    | Screw-HSBH           |
| 11   | 3296-47     | 1    | Nut-Lock, NI         |
| 12   | 109-3728    | 1    | Nut-Rod Adjustment   |
| 13   | 3220-2      | 1    | Nut-Jam              |
| 14   | 3220-20     | 1    | Nut-Jam              |





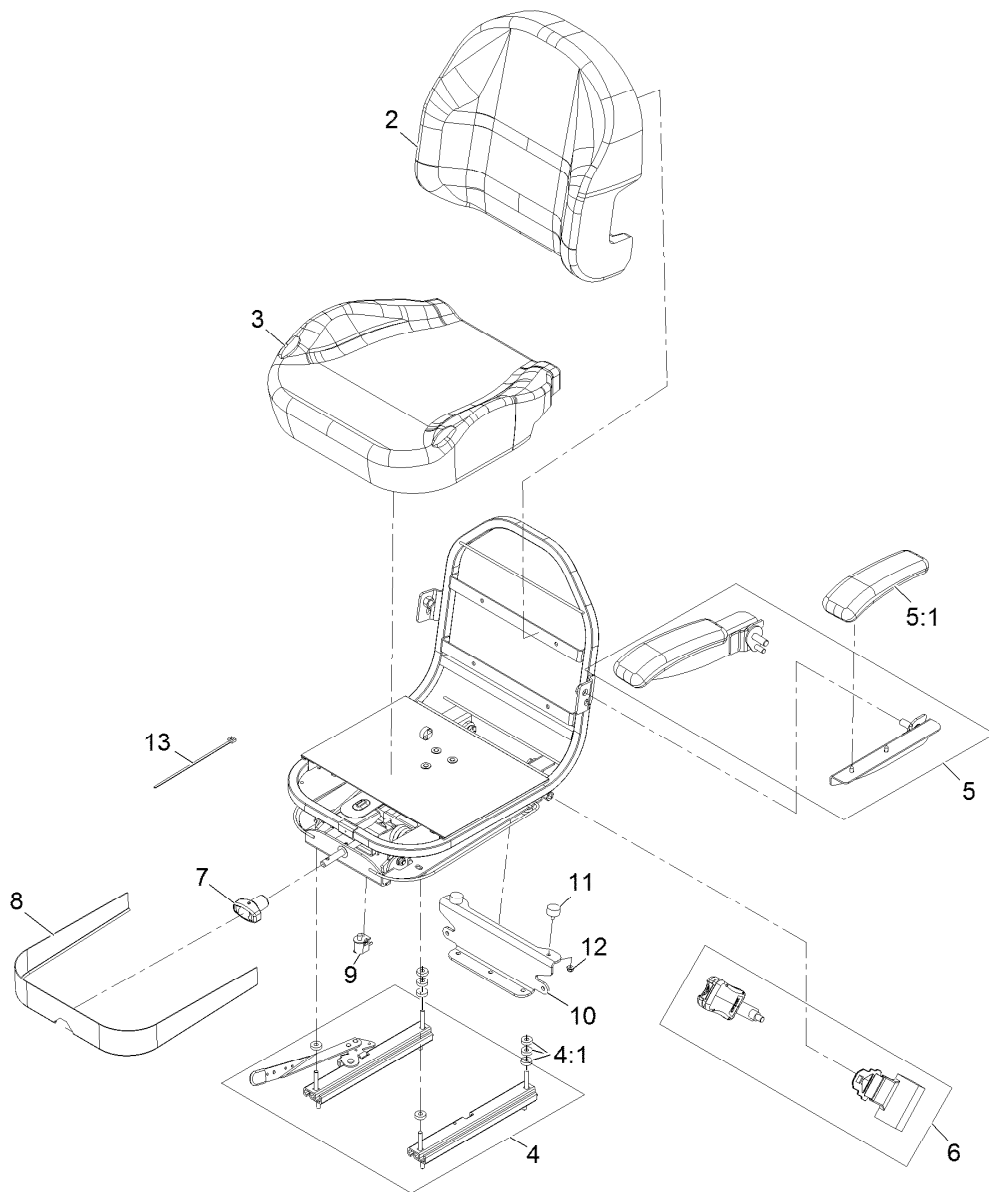
## RH Motion Control Assembly

| Ref. | Part Number | Qty. | Description                   |
|------|-------------|------|-------------------------------|
| 1    | 5-0838      | 2    | Washer                        |
| 2    | 52-2900     | 4    | Washer-Plastic                |
| 3    | 103-9928    | 2    | Bearing                       |
| 4    | 3296-47     | 1    | Nut-Nyloc 5/16-18 Thin        |
| 5    | 104-8301    | 2    | Nut-Nyloc 3/8-16 Flg          |
| 6    | 116-2543    | 1    | Link,Motion Control           |
| 7    | 109-3728    | 1    | Nut-Rod Adjustment            |
| 8    | 116-3183    | 1    | Arm-Motion Control            |
| 9    | 126-3707    | 1    | RH Control Pivot ASM          |
| 10   | 3274-104    | 1    | Screw-Button Head 5/16-18 X 1 |
| 11   | 323-9       | 2    | Screw-HH 3/8-16 X 1 3/4       |
| 12   | 2411-53     | 1    | Balljoint LH                  |
| 13   | 3220-2      | 1    | Nut-Jam 5/16-24               |
| 14   | 3220-20     | 1    | Nut-Jam 5/16-24 LH            |



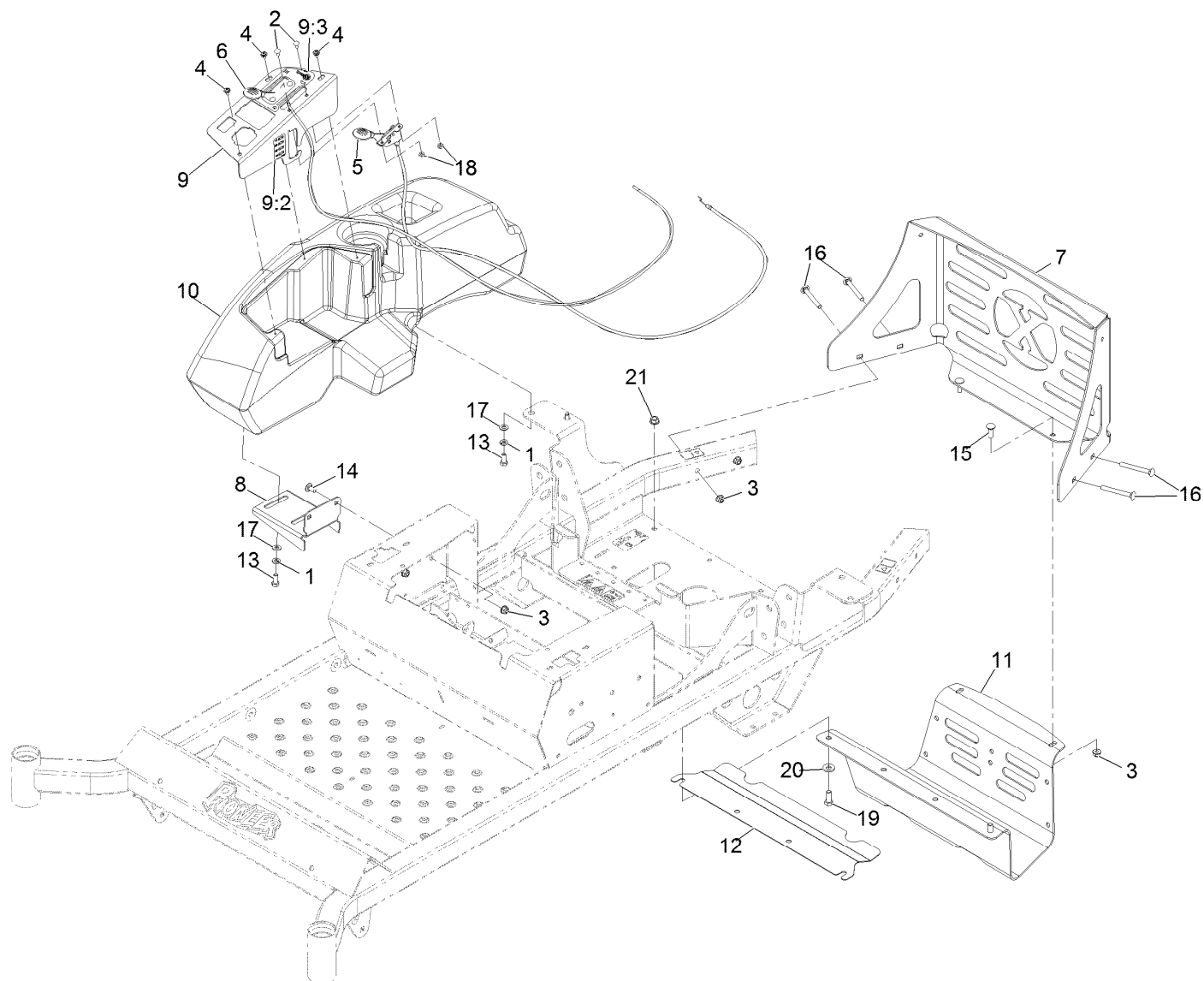
## Seat Assembly

| Ref. | Part Number | Qty. | Description           | Ref. | Part Number | Qty. | Description                   |
|------|-------------|------|-----------------------|------|-------------|------|-------------------------------|
| 3    | 104-7201    | 4    | Nut-Nyloc 1/4-20 Flg  | 11:2 | 109-6016    | 1    | Decal-Service Aid             |
| 4    | 104-8300    | 10   | Nut-Nyloc 5/16-18 Flg | 12   | 321-8       | 1    | Screw-HH 1/4-20 X 1 1/4       |
| 5    | 107-3017    | 1    | Spring-Compression    | 13   | 3229-2      | 1    | Bolt-Carriage 1/4-20 X 1      |
| 6    | 109-2628    | 1    | Cable-Stop, Seat      | 14   | 3230-4      | 1    | Bolt-Carriage 5/16-18 X 1 1/2 |
| 7    | 116-0871    | 1    | Catch,Seat Latch      | 15   | 3234-29     | 3    | Screw-HH Flg 5/16-18 X 1      |
| 8    | 116-1297    | 2    | Screw-Shoulder        | 16   | 3256-23     | 1    | Washer-5/16 Sae               |
| 9    | 116-3121    | 1    | ASM-Seat Latch        | 17   | 126-0480-01 | 1    | Plate-Seat Support            |
| 9:2  | 116-3120    | 1    | Strip-Poly Wear       | 18   | 32128-33    | 2    | Nut-Whizlock 1/4-20           |
| 10   | 126-2802    | 1    | Kit-Seat Suspension   | 19   | 240-14      | 2    | Bumper-Rubber                 |
| 11   | 116-4418    | 1    | Plate, Seat W/Decals  |      |             |      |                               |



## Seat W/Tracks Assembly No. 126-2802

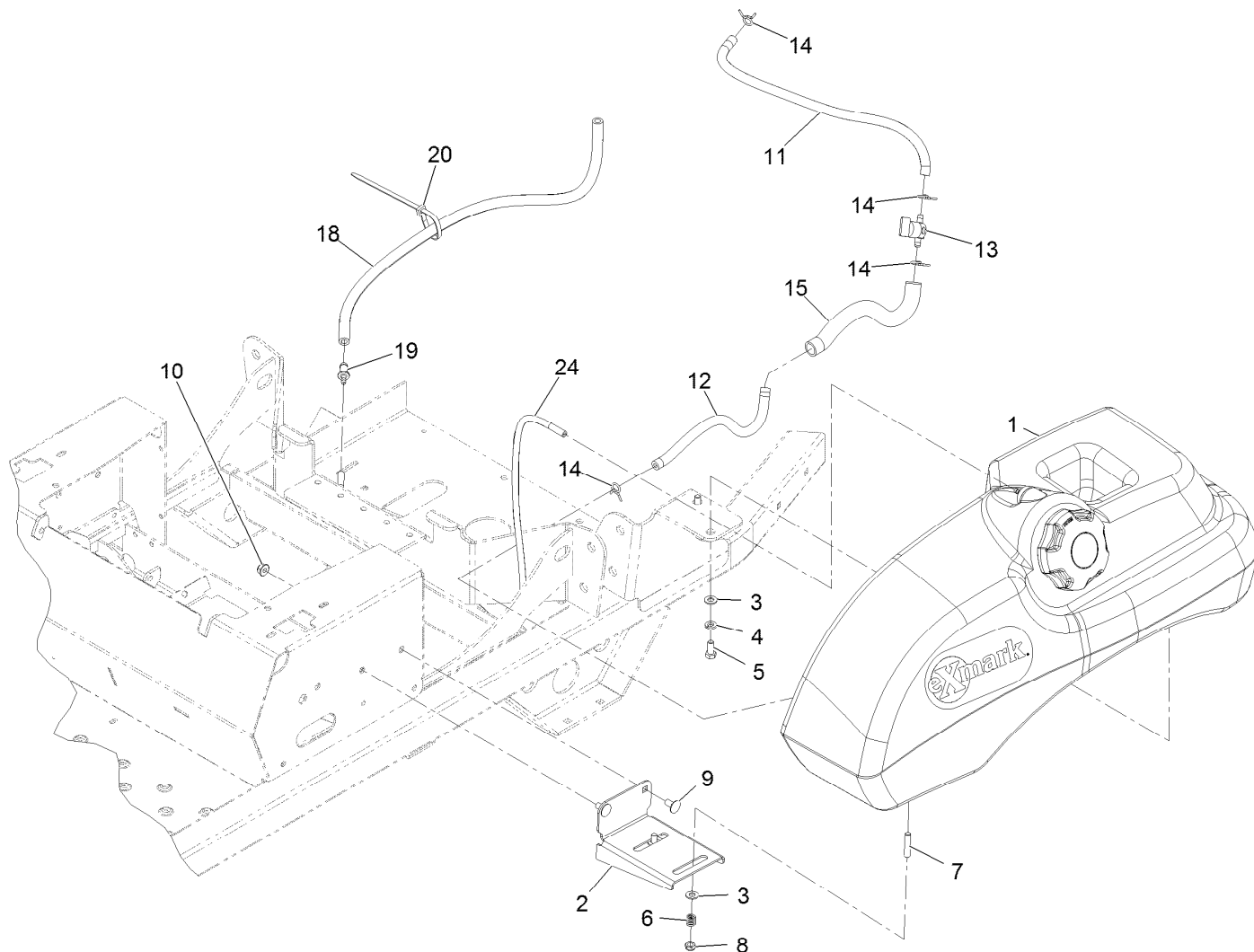
| Ref. | Part Number | Qty. | Description               |
|------|-------------|------|---------------------------|
| 2    | 126-3505    | 1    | Cover-Seat Back           |
| 3    | 130-0848    | 1    | Cover-Cushion             |
| 4    | 126-3501    | 1    | Kit-Track-Seat 4"         |
| 4:1  | 26-4840     | 8    | Spacer-Pin, Mounting      |
| 5    | 126-2058    | 1    | Armrest Kit               |
| 5:1  | 110-4163    | 2    | Cushion-Rest, Arm         |
| 6    | 126-3504    | 1    | Kit-Seat Belt Service     |
| 7    | 130-0846    | 1    | Knob-Adjuster             |
| 8    | 126-3506    | 1    | Cover-Skirt W/Fasteners   |
| 9    | 82-2190     | 1    | Switch                    |
| 10   | 126-0480-01 | 1    | Plate-Seat Support        |
| 11   | 240-14      | 2    | Bumper-Rubber             |
| 12   | 104-7201    | 2    | Nut-Nyloc 1/4-20 Flg      |
| 13   | 1-303335    | 1    | Tie-Cable 7 15/16 (Large) |



## Controls Assembly

| Ref. | Part Number | Qty. | Description                    |
|------|-------------|------|--------------------------------|
| 1    | 1-805005    | 4    | Washer-Lock 5/16 Heavy         |
| 2    | 1-807513    | 4    | Bolt-Carriage #10-24 X 1/2     |
| 3    | 104-8300    | 8    | Nut-Nyloc 5/16-18 Flg          |
| 4    | 109-2661    | 3    | Screw-PPH #10-24 X 1/2         |
| 5    | 126-2800    | 1    | Control-Throttle               |
| 6    | 109-9147    | 1    | Control-Choke                  |
| 7    | 116-3453-03 | 1    | Panel,Rear Guard               |
| 8    | 116-3495-03 | 1    | Bracket-Tank And Fender        |
| 9    | 116-9051    | 1    | ASM, Control Panel W/<br>Decal |
| 9:2  | 116-1496    | 1    | Decal,Fuse Block               |
| 9:3  | 116-4465    | 1    | Decal-Throttle Choke           |
| 10   | 116-4138    | 1    | Console,RH                     |

| Ref. | Part Number | Qty. | Description                      |
|------|-------------|------|----------------------------------|
| 11   | 126-4275-03 | 1    | Guard, Muffler                   |
| 12   | 126-0456-03 | 1    | Shield, Heat                     |
| 13   | 322-3       | 4    | Screw-HH 5/16-18 X 3/4           |
| 14   | 3230-18     | 2    | Bolt-Carriage 5/16-18 X 5/8      |
| 15   | 3230-2      | 2    | Bolt-Carriage 5/16-18 X 1        |
| 16   | 3230-9      | 4    | Bolt-Carriage 5/16-18 X 2<br>3/4 |
| 17   | 3256-23     | 4    | Washer-5/16 Sae                  |
| 18   | 3296-2      | 4    | Nut-Nyloc #10-24                 |
| 19   | 323-6       | 2    | Screw-HH 3/8-16 X 1              |
| 20   | 98-5975     | 2    | Washer-Spring Disc 3/8           |
| 21   | 3290-357    | 2    | Nut-Whizlock 3/8-16              |

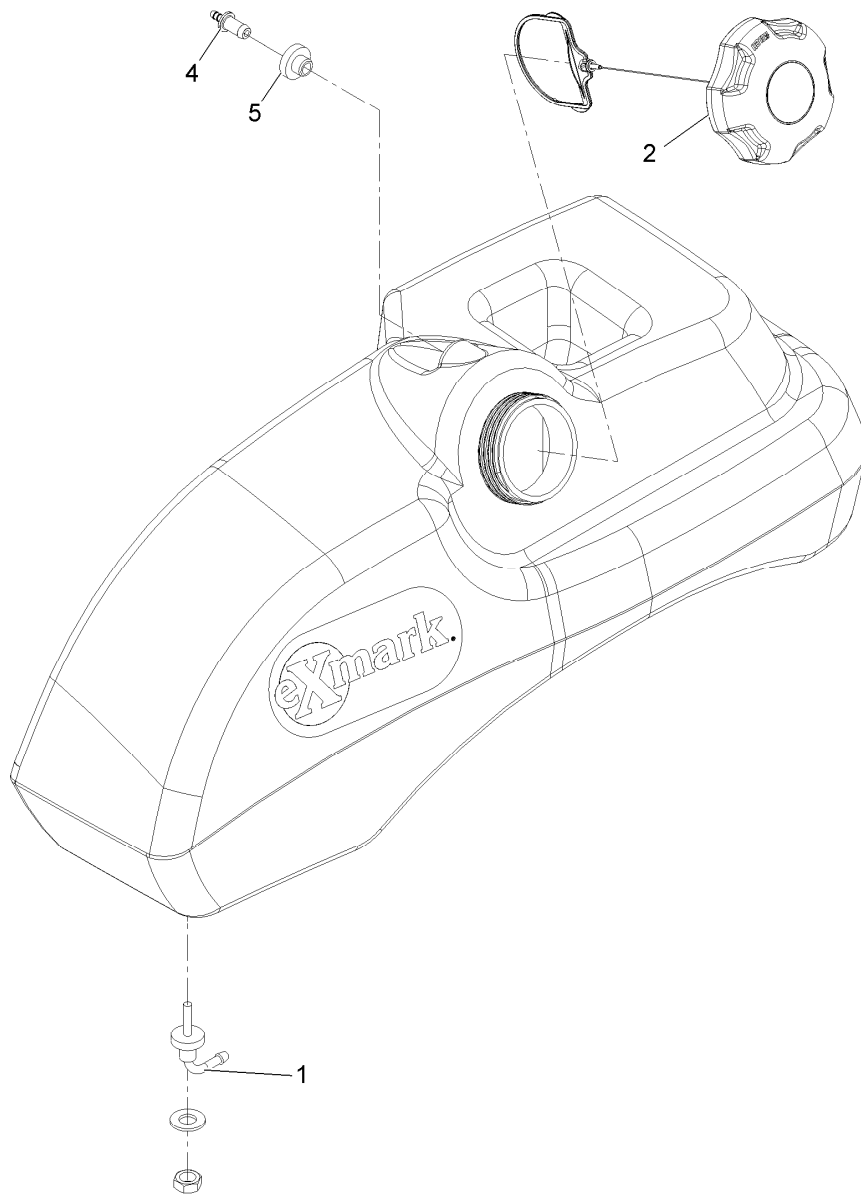


## Fuel Tank Mounting Assembly

| Ref. | Part Number | Qty. | Description                 |
|------|-------------|------|-----------------------------|
| 1    | 116-4610    | 1    | ASM-Fuel Tank               |
| 2    | 116-3495-03 | 1    | Bracket-Tank And Fender     |
| 3    | 3256-23     | 4    | Washer-5/16 Sae             |
| 4    | 1-805005    | 2    | Washer-Lock 5/16 Heavy      |
| 5    | 322-3       | 2    | Screw-HH 5/16-18 X 3/4      |
| 6    | 1-633349    | 2    | Spring-Compression          |
| 7    | 1-633023    | 2    | Stud-Fuel Tank ●            |
| 8    | 3296-47     | 2    | Nut-Nyloc 5/16-18 Thin      |
| 9    | 3230-18     | 2    | Bolt-Carriage 5/16-18 X 5/8 |
| 10   | 104-8300    | 2    | Nut-Nyloc 5/16-18 Flg       |

| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 11   | 110-5706    | 1    | Hose-Fuel                |
| 12   | 109-0282    | 1    | Hose-Fuel                |
| 13   | 1-603770    | 1    | Valve-Fuel               |
| 14   | 1-303077    | 4    | Clamp-Fuel Line          |
| 15   | 116-4515    | 1    | Conduit-Fuel Line        |
| 18   | 114-0832    | 1    | Hose-Fuel                |
| 19   | 116-4630    | 1    | Fitting-Straight Orifice |
| 20   | 1-303335    | 1    | Tie-Plastic              |
| 24   | 116-4802    | 1    | Hose,Emissions           |

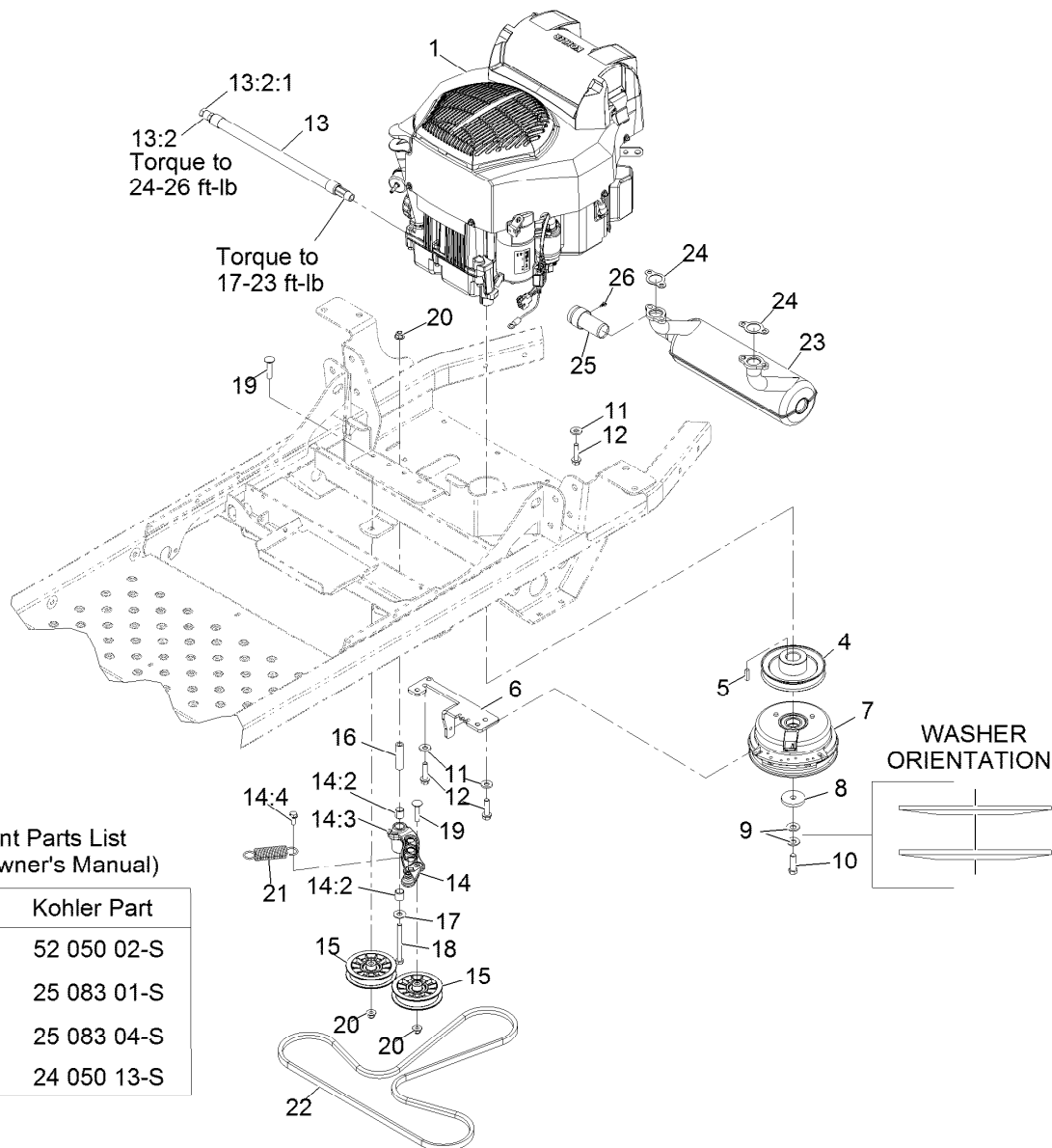
● Use Pro-Lock, Nut Type (P/N 1-840022, .5ml tube) on threads.



## Fuel Tank Assembly No. 116-4610

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                 |
|-------------|--------------------|-------------|------------------------------------|
| 1           | 103-2605           | 1           | Fitting-Fuel Bulkhead W/Strainer ● |
| 2           | 120-5461           | 1           | Cap-Fuel, Ratcheting               |
| 4           | 116-4630           | 1           | Fitting-Straight Orifice           |
| 5           | 46-6560            | 1           | Bushing                            |

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



Kohler Replacement Parts List  
(Refer To Engine Owner's Manual)

| Description       | Kohler Part |
|-------------------|-------------|
| Engine Oil Filter | 52 050 02-S |
| Engine Air Filter | 25 083 01-S |
| Safety Filter     | 25 083 04-S |
| Fuel Filter       | 24 050 13-S |

## Engine Assembly

| Ref.   | Part Number | Qty. | Description                          |
|--------|-------------|------|--------------------------------------|
| 1      |             | 1    | Engine - Kohler Zt710 ●■             |
| 4      | 116-1946    | 1    | Sheave-Pump, Drive                   |
| 5      | 1-807259    | 1    | Key-Machine 1/4 X 1/4 X 1            |
| 6      | 116-4773-03 | 1    | Anchor-Clutch                        |
| 7      | 116-1947    | 1    | Clutch                               |
| 8      | 109-6919    | 1    | Washer-Clutch                        |
| 9      | 1-603610    | 2    | Washer-Spring Disc 7/16              |
| 10     | 109-9761    | 1    | Screw-HH 7/16-20 X 1 1/2 W/Loctite ◆ |
| 11     | 98-5975     | 4    | Washer-Spring Disc 3/8               |
| 12     | 32144-102   | 4    | Screw-HWH 3/8-16 X 1 1/2 Taptite     |
| 13     | 116-5316    | 1    | Oil Drain Hose ASM                   |
| 13:2   | 353-508     | 1    | Plug-W/O-Ring                        |
| 13:2:1 | 237-42      | 1    | O-Ring                               |
| 14     | 126-0973    | 1    | ASM-Idler Arm W/Bearings             |

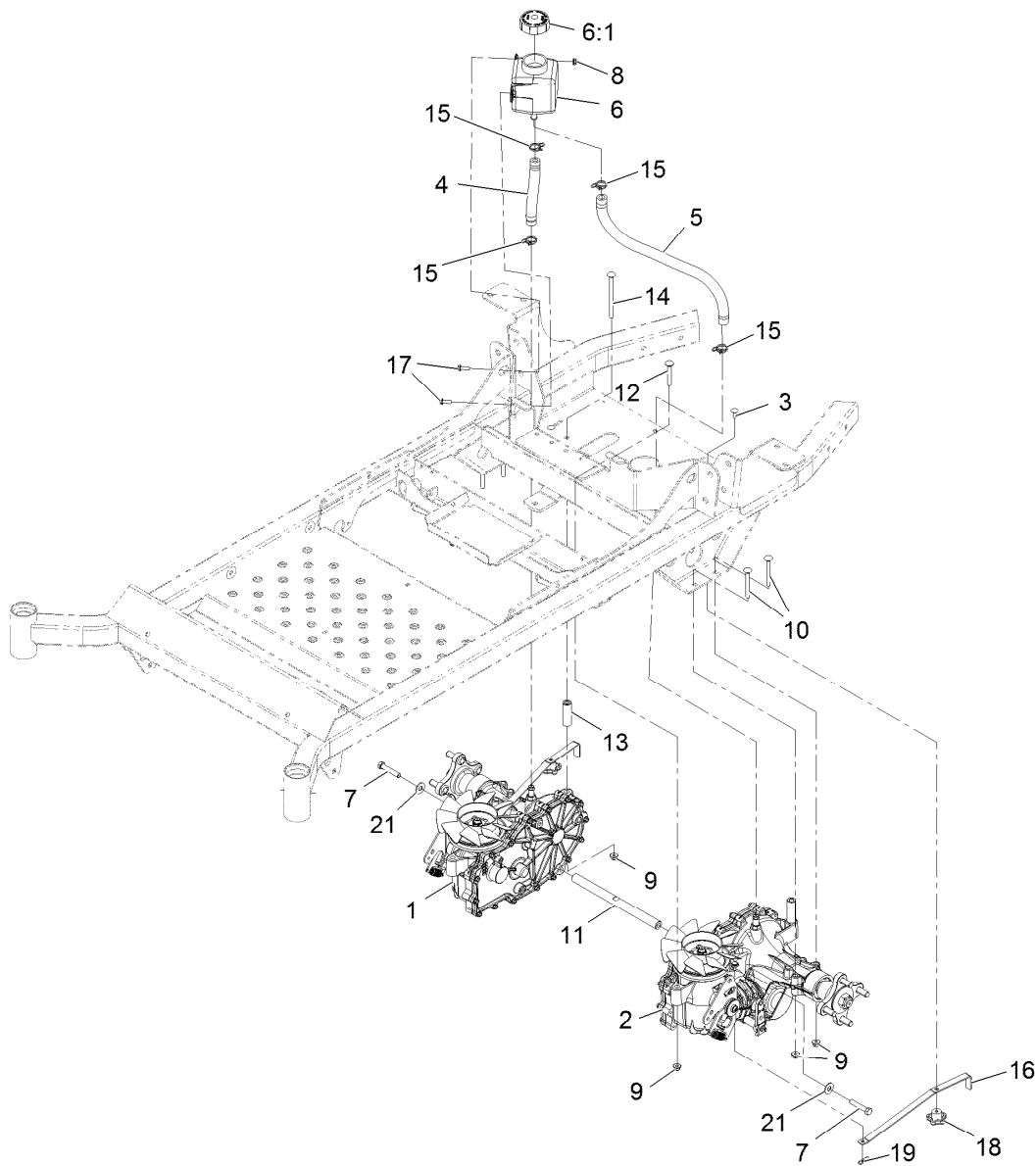
| Ref. | Part Number | Qty. | Description                  |
|------|-------------|------|------------------------------|
| 14:2 | 1-513034    | 2    | Sleeve-Bearing               |
| 14:3 | 302-40      | 1    | Zerk-90° 1/4-28              |
| 14:4 | 32144-11    | 1    | Screw-HWH 5/16-18 X 3/4 Tf   |
| 15   | 116-2456    | 2    | Pulley-Flat, 3.50 Dia        |
| 16   | 1-603384    | 1    | Bushing-Pivot, Idler         |
| 17   | 3256-4      | 1    | Washer-3/8 Std               |
| 18   | 323-15      | 1    | Screw-HH 3/8-16 X 3 1/2      |
| 19   | 3231-5      | 2    | Bolt-Carriage 3/8-16 X 1 3/4 |
| 20   | 104-8301    | 3    | Nut-Nyloc 3/8-16 Flg         |
| 21   | 1-603402    | 1    | Spring-Extension             |
| 22   | 115-9613    | 1    | V-Belt                       |
| 23   | 126-1477    | 1    | Muffler, Kohler ▲            |
| 24   | 110-6697    | 2    | Gasket-Exhaust               |
| 25   | 126-0268    | 1    | Arrestor-Spark               |
| 26   | 126-0275    | 1    | Screw-HWH                    |

● Not serviced separately

▲ Includes spark arrestor and mounting screw.

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

■ Obtain parts from [www.kohlerplus.com](http://www.kohlerplus.com)



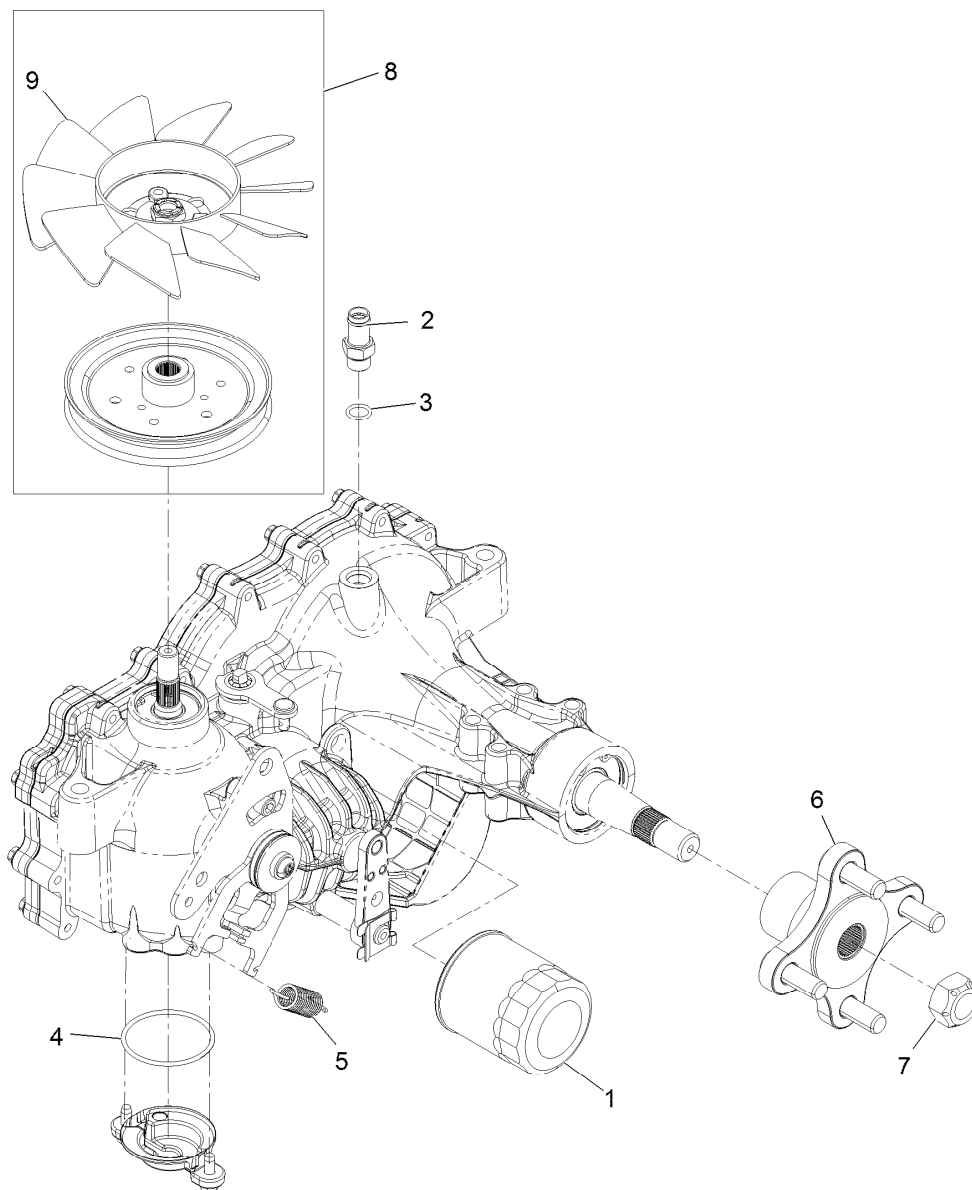
## Hydraulic Assembly

| Ref. | Part Number | Qty. | Description                   |
|------|-------------|------|-------------------------------|
| 1    | 116-3174    | 1    | Transaxle ASM                 |
| 2    | 116-3173    | 1    | Transaxle ASM                 |
| 3    | 3229-1      | 2    | Bolt-Carriage 1/4-20 X 3/4    |
| 4    | 116-5641    | 1    | Hose-Hydraulic                |
| 5    | 116-5642    | 1    | Hose-Hydraulic                |
| 6    | 109-2250    | 1    | Vent-Tank, Hydro              |
| 6:1  | 109-3320    | 1    | Cap-Reservoir, HYD            |
| 7    | 94-7972     | 2    | Screw-HH W/Loctite ●          |
| 8    | 104-7201    | 2    | Nut-Nyloc 1/4-20 Flg          |
| 9    | 104-8300    | 8    | Nut-Nyloc 5/16-18 Flg         |
| 10   | 3230-9      | 4    | Bolt-Carriage 5/16-18 X 2 3/4 |

| Ref. | Part Number | Qty. | Description                   |
|------|-------------|------|-------------------------------|
| 11   | 116-6833    | 1    | Shaft-Spacer                  |
| 12   | 3230-7      | 2    | Bolt-Carriage 5/16-18 X 2 1/4 |
| 13   | 116-5809    | 2    | Spacer-Hydro                  |
| 14   | 3230-30     | 2    | Bolt-Carriage 5/16-18 X 4 1/2 |
| 15   | 126-0327    | 4    | Clamp-Hose                    |
| 16   | 109-5395    | 2    | Arm-Hydro Bypass              |
| 17   | 32105-15    | 2    | Screw-Machine 1/4-20 X 3/4    |
| 18   | 108-6402    | 2    | Knob-Handle                   |
| 19   | 1-806003    | 2    | Hairpin-Cotter                |
| 21   | 3256-4      | 2    | Washer-3/8 Std                |

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

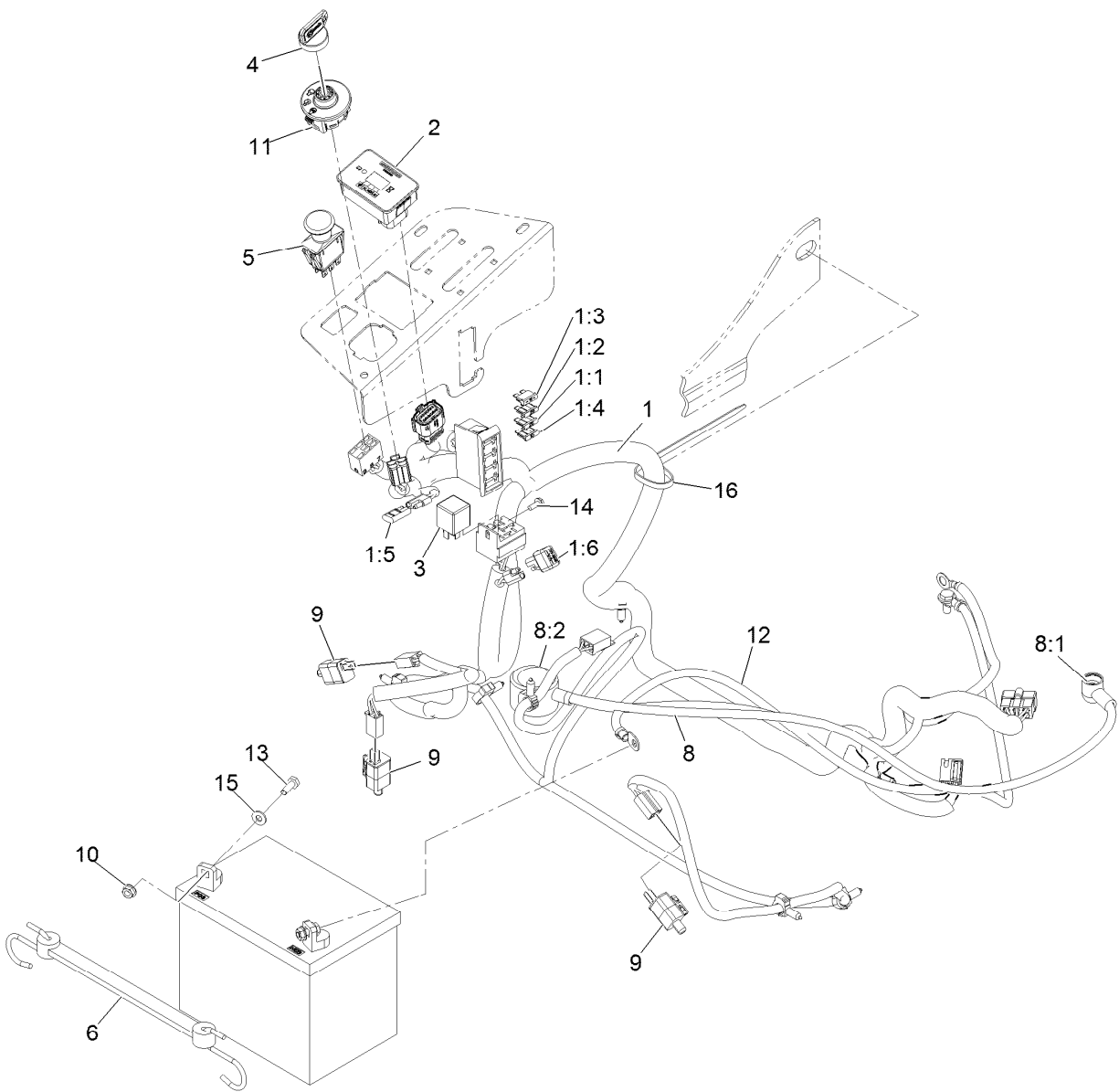




## Transaxle Assembly

| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 1    | 109-3321    | 1    | Element-Oil Filter, HYD |
| 2    | 109-3278    | 1    | Adapter-Straight        |
| 3    | 237-42      | 1    | O-Ring                  |
| 4    | 109-3540    | 1    | O Ring-Seal             |
| 5    | 109-5592    | 1    | Spring-Extension        |
| 6    | 109-5939    | 1    | Hub Kit                 |
| 7    | 109-3536    | 1    | Nut-Hub                 |
| 8    | 109-5938    | 1    | Fan And Pulley Kit      |
| 9    | 114-8453    | 1    | Fan-7.0                 |
| 99   | 109-3537    | 1    | Seal Kit ●              |

● Not illustrated



## Electrical Assembly

| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 1    | 116-4861    | 1    | Harness, Wire ●         |
| 1:1  | 109102      | 1    | Fuse-Blade, 25 Amp      |
| 1:2  | 1-816001    | 1    | Fuse-Blade Type, 20 Amp |
| 1:3  | 109355      | 1    | Fuse-Blade, 15 Amp      |
| 1:4  | 218-578     | 1    | Fuse-Blade, 10 Amp      |
| 1:5  | 116-0053    | 1    | Cap-Plug                |
| 1:6  | 103-3895    | 1    | Diode-Tvs               |
| 2    | 116-5609    | 1    | Module ASM              |
| 3    | 1-643275    | 1    | Relay-12Vdc 40 Amp      |
| 4    | 1-603511    | 1    | Key-Ignition            |
| 4    | 103-2106    | 1    | Key-Exmark Logo         |
| 5    | 103-5221    | 1    | Switch-PTO              |
| 6    | 104-2466    | 1    | Holddown-Battery        |

| Ref. | Part Number | Qty. | Description                       |
|------|-------------|------|-----------------------------------|
| 8    | 109-7630    | 1    | Positive Battery Cable ASM        |
| 8:1  | 109-2407    | 1    | Insulator-Battery                 |
| 8:2  | 1-543393    | 1    | Insulator-Solenoid                |
| 9    | 110-6765    | 3    | Switch                            |
| 10   | 32128-33    | 2    | Nut-Whizlock 1/4-20               |
| 11   | 117-2221    | 1    | Switch-Ignition                   |
| 12   | 117-7240    | 1    | Cable-Battery, Negative           |
| 13   | 321-4       | 2    | Screw-HH 1/4-20 X 3/4             |
| 14   | 32144-1     | 1    | Screw-HWH #10-24 X 1/2<br>Taptite |
| 15   | 3256-22     | 2    | Washer-1/4 Sae                    |
| 16   | 1-303335    | 1    | Tie-Cable 7 15/16 (Large)         |

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

## MAXIMIZE THE PERFORMANCE OF YOUR EXMARK.

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Both SAE 30 and SAE 10W-30 in one bottle.

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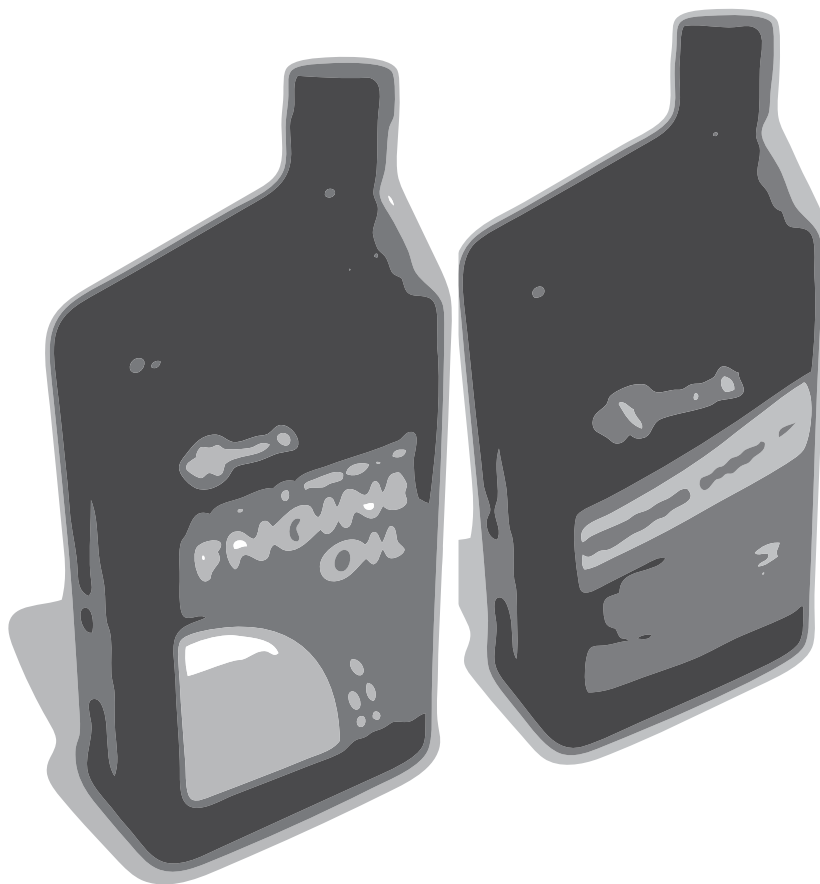
### **PREMIUM HYDRO OIL**

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Designed specifically for zero-turn mower hydraulic systems.

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## 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 \_\_\_\_\_

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Engine Serial No. (E/No) \_\_\_\_\_

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