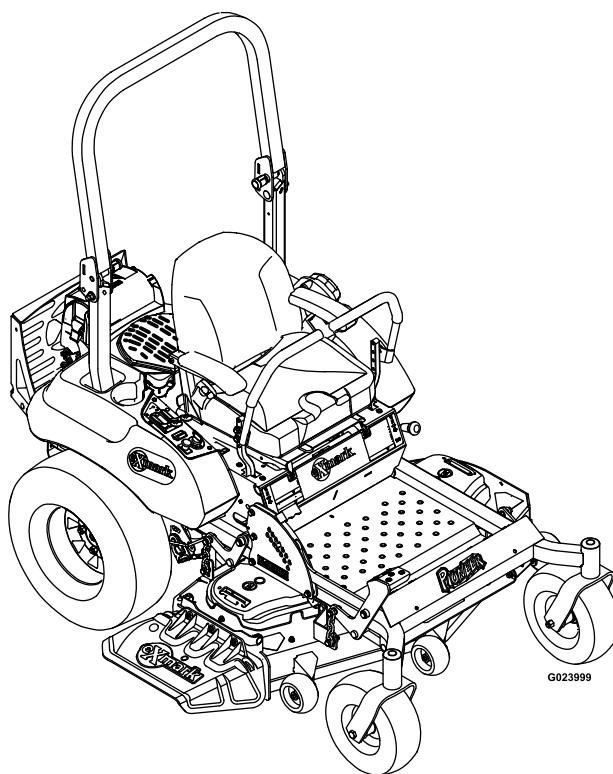




# **PIONEER® S-SERIES**

**Model No. PNS730KA604—Serial No. 314000000 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>PRH:</b> phillips round head          |
| <b>ASM:</b> assembly                         | <b>HLH:</b> hex lag head                       | <b>PTH:</b> phillips truss head          |
| <b>BBC:</b> blade brake control              | <b>HOC:</b> height-of-cut                      | <b>PTO:</b> power-take-off               |
| <b>BHTF:</b> button head thread forming      | <b>HSBH:</b> hex socket button head            | <b>RH:</b> right hand                    |
| <b>CARR:</b> carriage                        | <b>HSFH:</b> hex socket flat head              | <b>ROPS:</b> roll-over protection system |
| <b>CCW:</b> counter clockwise                | <b>HSH:</b> hex socket head                    | <b>RRB:</b> rear roller brush            |
| <b>CW:</b> clockwise                         | <b>HWH:</b> hex washer head                    | <b>SFH:</b> slotted fillister head       |
| <b>DEG:</b> degrees                          | <b>HWHTF:</b> hex washer head thread forming   | <b>SHH:</b> slotted hex head             |
| <b>DPA:</b> Dual Point Adjustment            | <b>HYD:</b> hydraulic                          | <b>SHWH:</b> slotted hex washer head     |
| <b>ECM:</b> electronic control module        | <b>LH:</b> left hand                           | <b>SPH:</b> slotted pan head             |
| <b>EXT:</b> external                         | <b>LP:</b> Liquefied Petroleum Gas             | <b>SQH:</b> square head                  |
| <b>FH:</b> flat head                         | <b>LPG:</b> Liquefied Petroleum Gas            | <b>SRH:</b> slotted round head           |
| <b>GA:</b> gauge                             | <b>NI:</b> nylon insert                        | <b>STD:</b> standard                     |
| <b>HD:</b> heavy-duty                        | <b>NPTF:</b> national pipe thread fine         | <b>TAP:</b> self tapping                 |
| <b>HF:</b> hex flange                        | <b>PFH:</b> phillips flat head                 | <b>TTH:</b> torx truss 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 |                                                |                                          |

# Touch Up Paint

Exmark black touch up spray paint – gloss black.

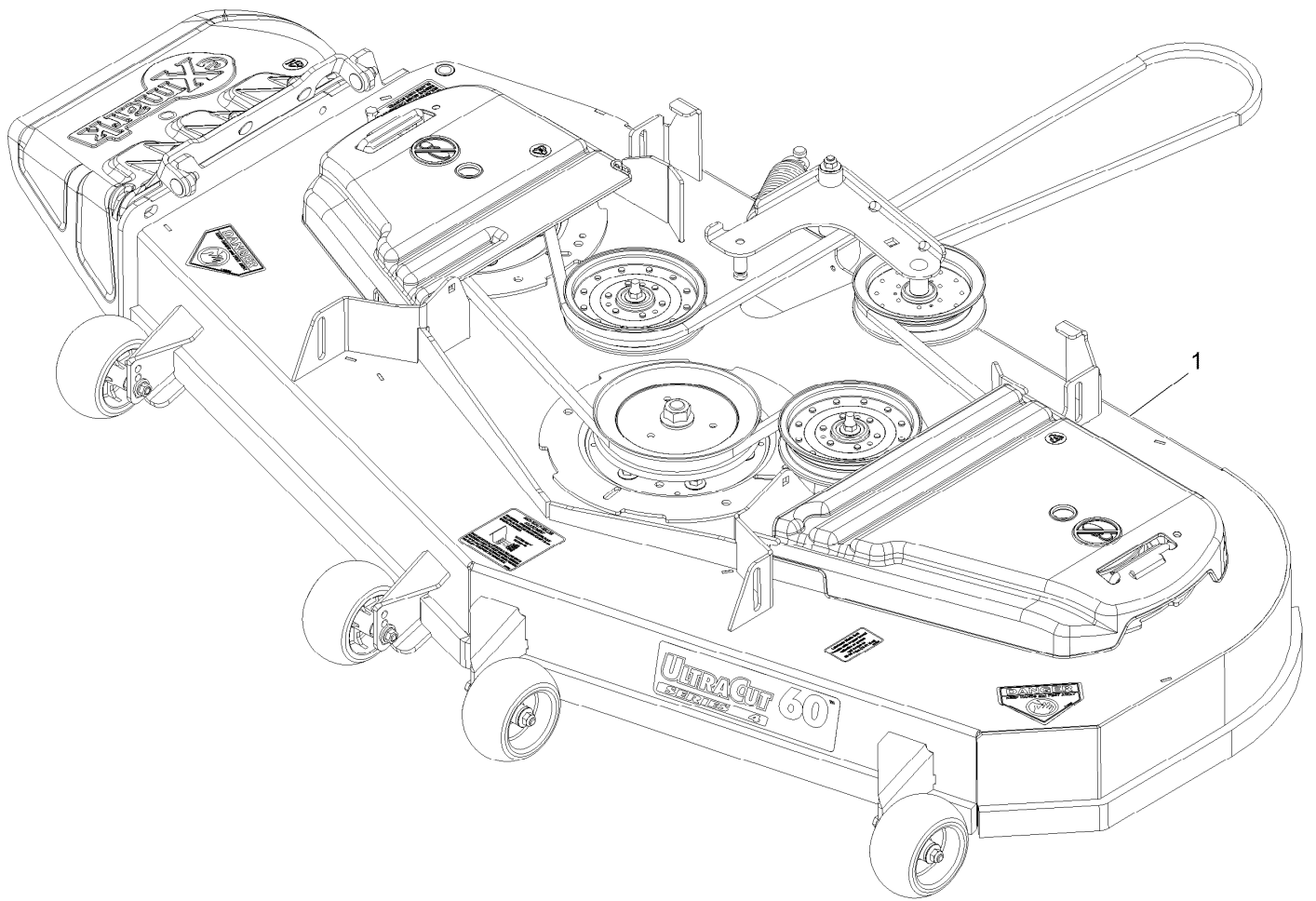
Exmark red touch up paint (spray paint – P/N 1-850337 - .6 oz liquid bottle – P/N 103-9140).



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.)

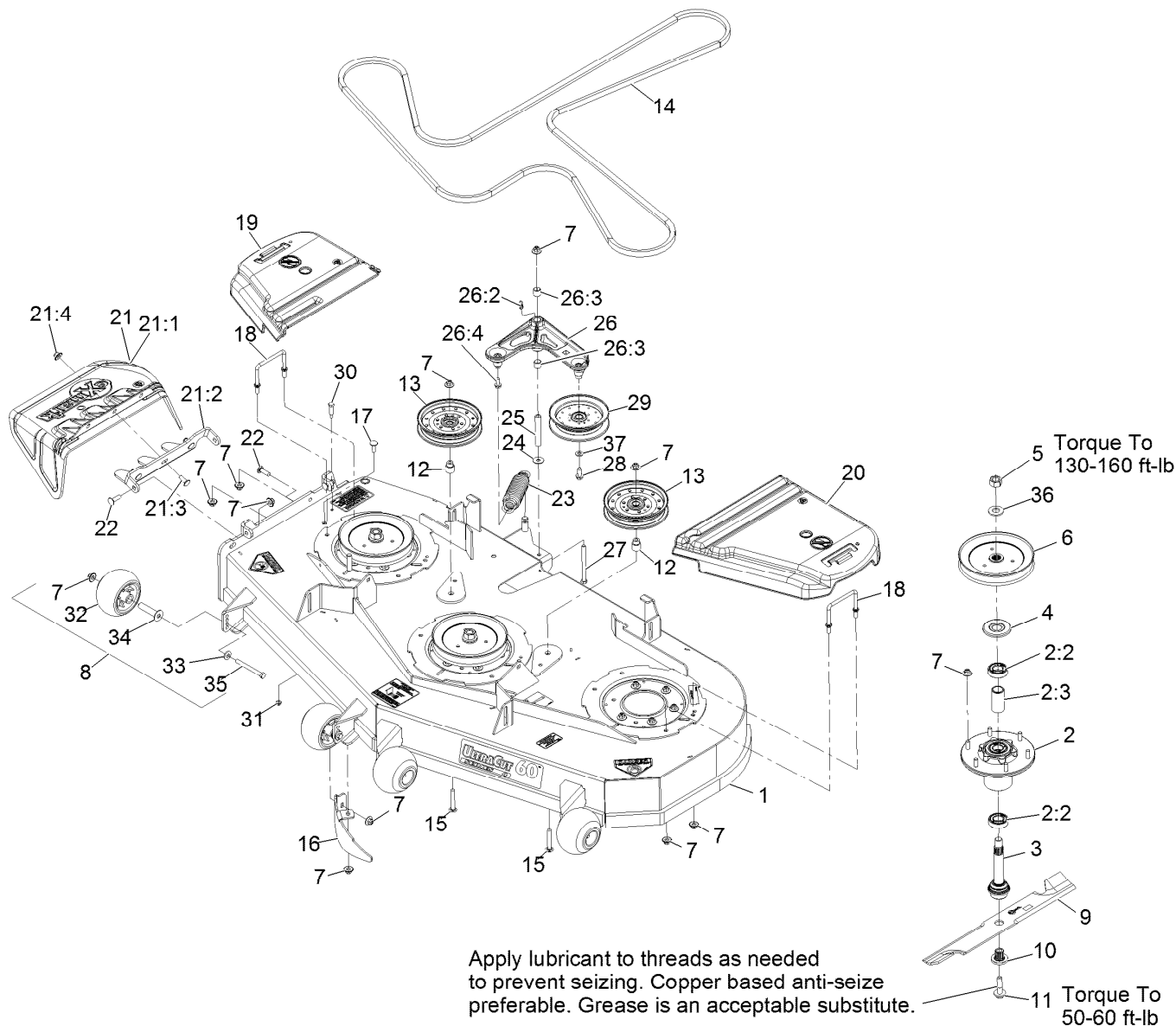
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## Complete Deck Assembly No. 116-5945

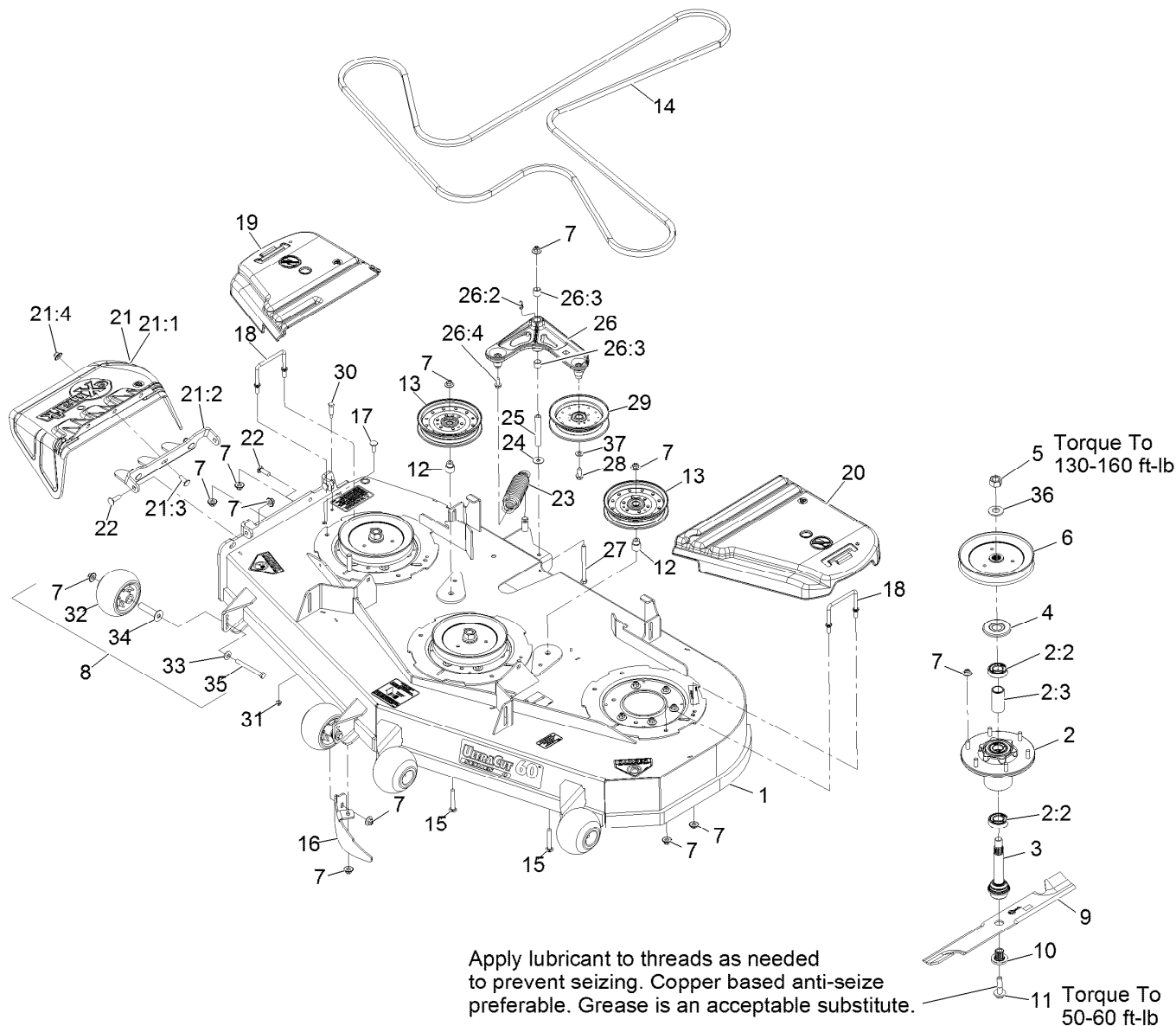
| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    | 116-5945    | 1    | ASM-Deck Complete 604 |



## Deck Assembly

| Ref. | Part Number | Qty. | Description                  | Ref. | Part Number | Qty. | Description                  |
|------|-------------|------|------------------------------|------|-------------|------|------------------------------|
| 1    | 116-5812    | 1    | Deck ASM,W/Decals 604        | 13   | 116-4670    | 2    | Pulley-Idler, Flat           |
| 2    | 116-3344    | 3    | ASM-Cutter Hsg With Bearings | 14   | 114-8154    | 1    | Belt-V                       |
| 2:2  | 116-0720    | 2    | Bearing-Ball                 | 15   | 3231-44     | 2    | Bolt-Carriage 3/8-16 X 2 1/2 |
| 2:3  | 116-3312    | 1    | Spacer-Bearing               | 16   | 116-5614-01 | 1    | Dogleg - Lz60                |
| 3    | 116-3341    | 3    | ASM-Spindle And Seal         | 17   | 3231-22     | 1    | Bolt-Carriage 3/8-16 X 1     |
| 4    | 116-1286    | 3    | Guard,Bearing Top .989       | 18   | 109-6982    | 2    | Wireform-Cover               |
| 5    | 116-7306    | 3    | Nut-Hex                      | 19   | 116-0094    | 1    | Cover-Belt, RH               |
| 6    | 116-0676    | 3    | Sheave,Blade Drive 7.25      | 20   | 109-6938    | 1    | Cover-Belt, LH               |
| 7    | 109-6658    | 33   | Nut-Nyloc 3/8-16 Flg         | 21   | 109-7188    | 1    | ASM,Discharge Chute          |
| 8    | 116-9981    | 4    | Kit, Anti-Scalp Roller       | 21:1 | 109-2738    | 1    | Chute, Discharge             |
| 9    | 116-5174    | 3    | Blade-Extreme 2, 20.50"      | 21:2 | 109-8675-01 | 1    | Bracket,Discharge Chute      |
| 9    | 103-6403    | 3    | Blade, Notched               | 21:3 | 3231-22     | 3    | Bolt-Carriage 3/8-16 X 1     |
| 9    | 103-6393    | 3    | Blade, Mulching ●            | 21:4 | 109-6658    | 3    | Nut-Nyloc 3/8-16 Flg         |
| 9    | 103-6388    | 3    | Blade, Low Lift              | 22   | 3231-28     | 3    | Bolt-Carriage 3/8-16 X 1 1/4 |
| 9    | 103-6383    | 3    | Blade, Solid                 | 23   | 116-6317    | 1    | Spring-Extension             |
| 10   | 103-3037    | 3    | Bushing, Splined             | 24   | 52-2860     | 1    | Washer                       |
| 11   | 109-9220    | 3    | Screw-Sems 1/2-20 X 2.19     | 25   | 116-5111    | 1    | Bushing                      |
| 12   | 1-633456    | 2    | Bushing, Idler               | 26   | 126-0976    | 1    | ASM-Idler Arm W/Bearings     |
|      |             |      |                              | 26:2 | 302-40      | 1    | Zerk-90° 1/4-28              |

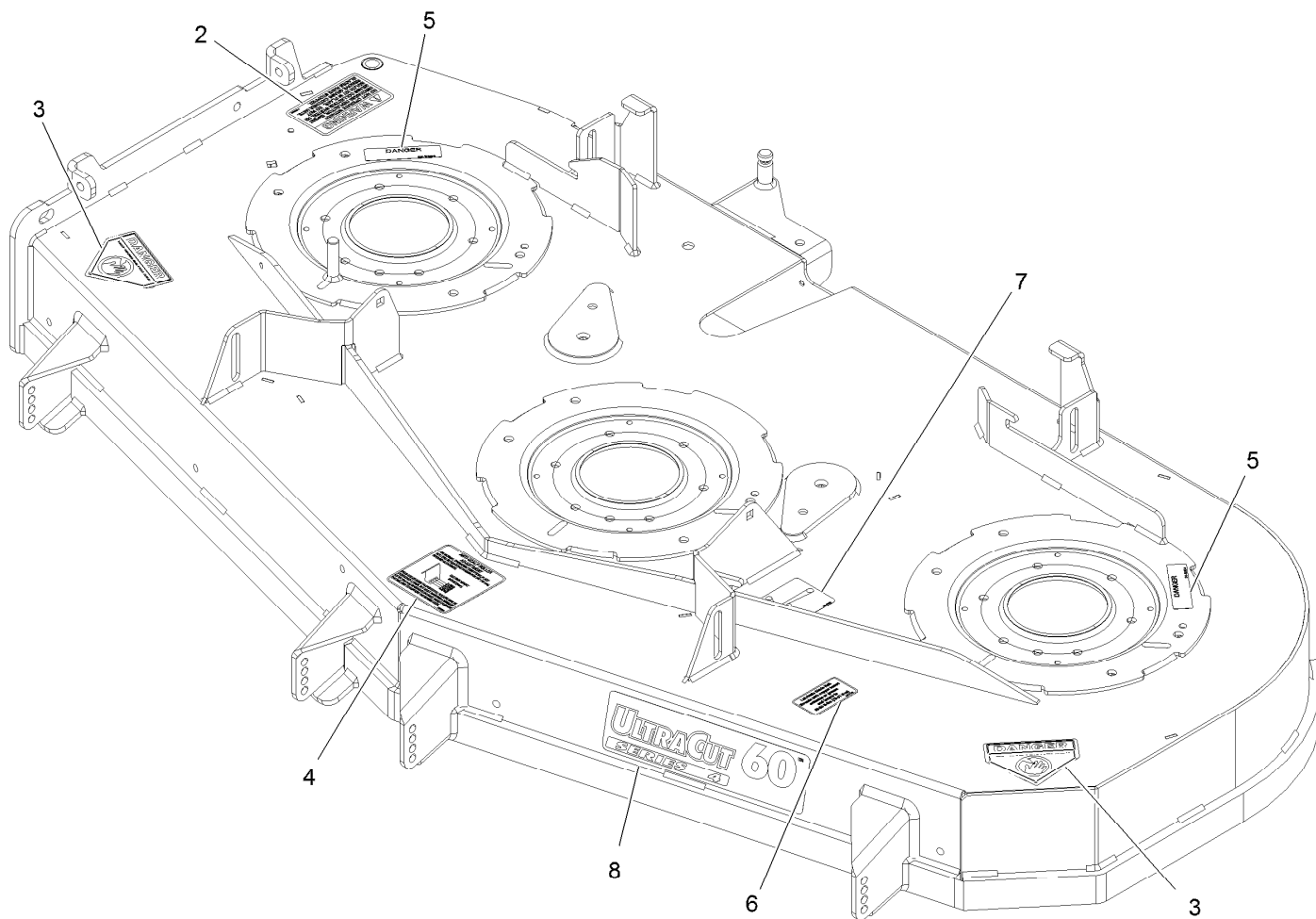
● Requires installation of mulch kit for proper mulching. See your Exmark dealer for details.



## Deck Assembly (continued)

| Ref. | Part Number | Qty. | Description                    | Ref. | Part Number | Qty. | Description                  |
|------|-------------|------|--------------------------------|------|-------------|------|------------------------------|
| 26:3 | 1-513034    | 2    | Sleeve-Bearing                 | 31   | 104-7201    | 1    | Nut-Nyloc 1/4-20 Flg         |
| 26:4 | 32144-11    | 1    | Screw-HWH 5/16-18 X 3/4 Tf     | 32   | 103-8415    | 4    | Roller, Anti-Scalp           |
| 27   | 323-23      | 1    | Screw-HH 3/8-16 X 4-1/2        | 33   | 98-5975     | 4    | Washer-Spring Disc 3/8       |
| 28   | 126-1696    | 1    | Screw-Thread Forming           | 34   | 116-8131    | 4    | Axle, Roller                 |
| 29   | 116-4668    | 1    | Idler-Pulley, Flanged          | 35   | 116-9362    | 4    | Screw-HH 3/8-16 X 3 3/4 Gr 8 |
| 30   | 112-8387    | 1    | Bolt-HH Shoulder 1/4-20 X 1.64 | 36   | 103-2802    | 3    | Washer-Spring Disc 3/4       |
|      |             |      |                                | 37   | 3256-24     | 1    | Washer-Flat                  |

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

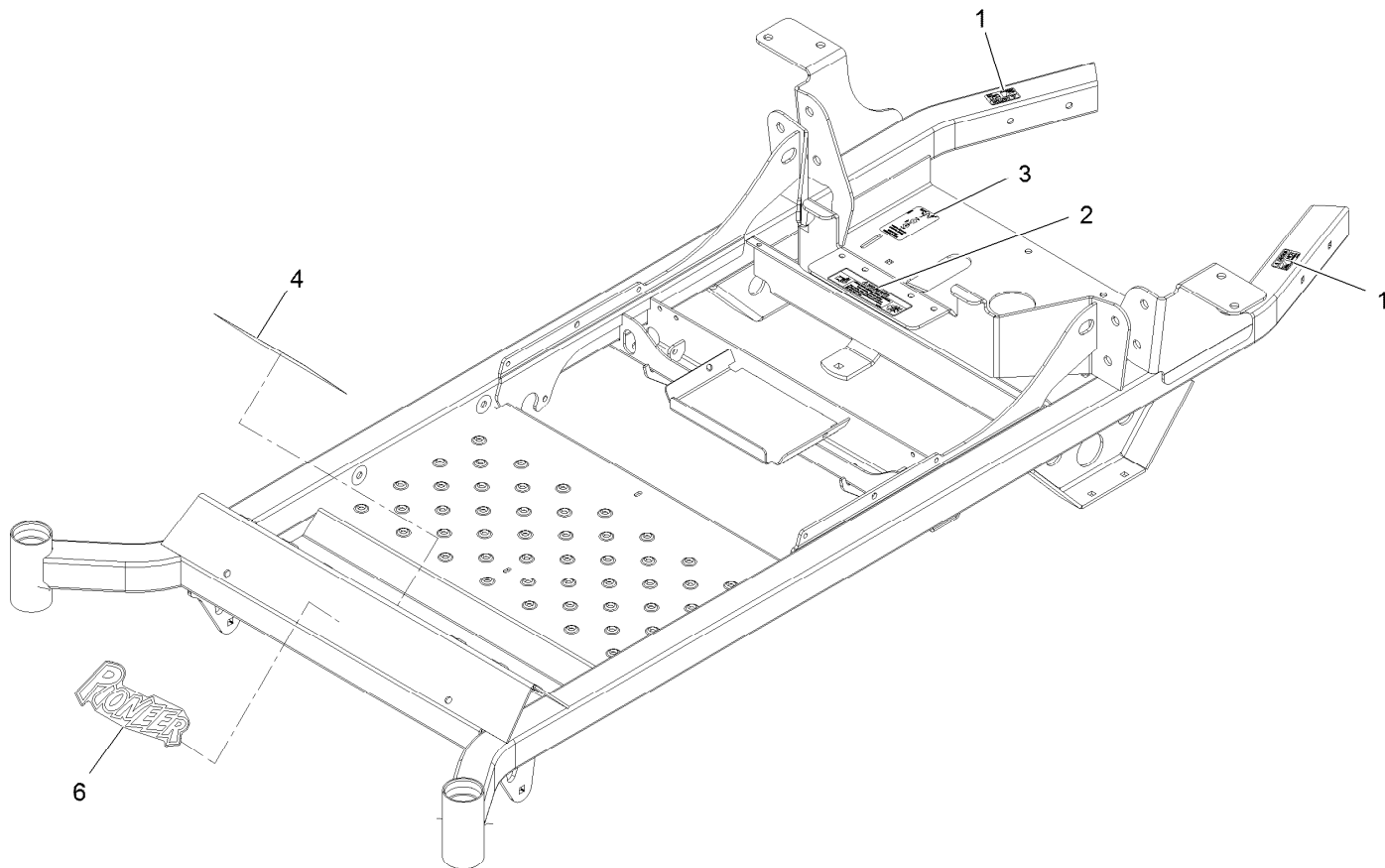


## Deck W/Decals Assembly No. 116-5812

| Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|
| 2    | 1-303508    | 1    | Decal-Warning, Discharge   |
| 3    | 1-403005    | 2    | Decal-Danger               |
| 4    | 1-633922    | 1    | Decal, Anti-Scalp          |
| 5    | 98-5954     | 2    | Decal-Missing Cover        |
| 6    | 109-3148    | 1    | Decal, Bolt Torque         |
| 7    | 109-6035    | 1    | Decal-Belt Routing         |
| 8    | 116-0025    | 1    | Decal,Ultracut 60 Series 4 |

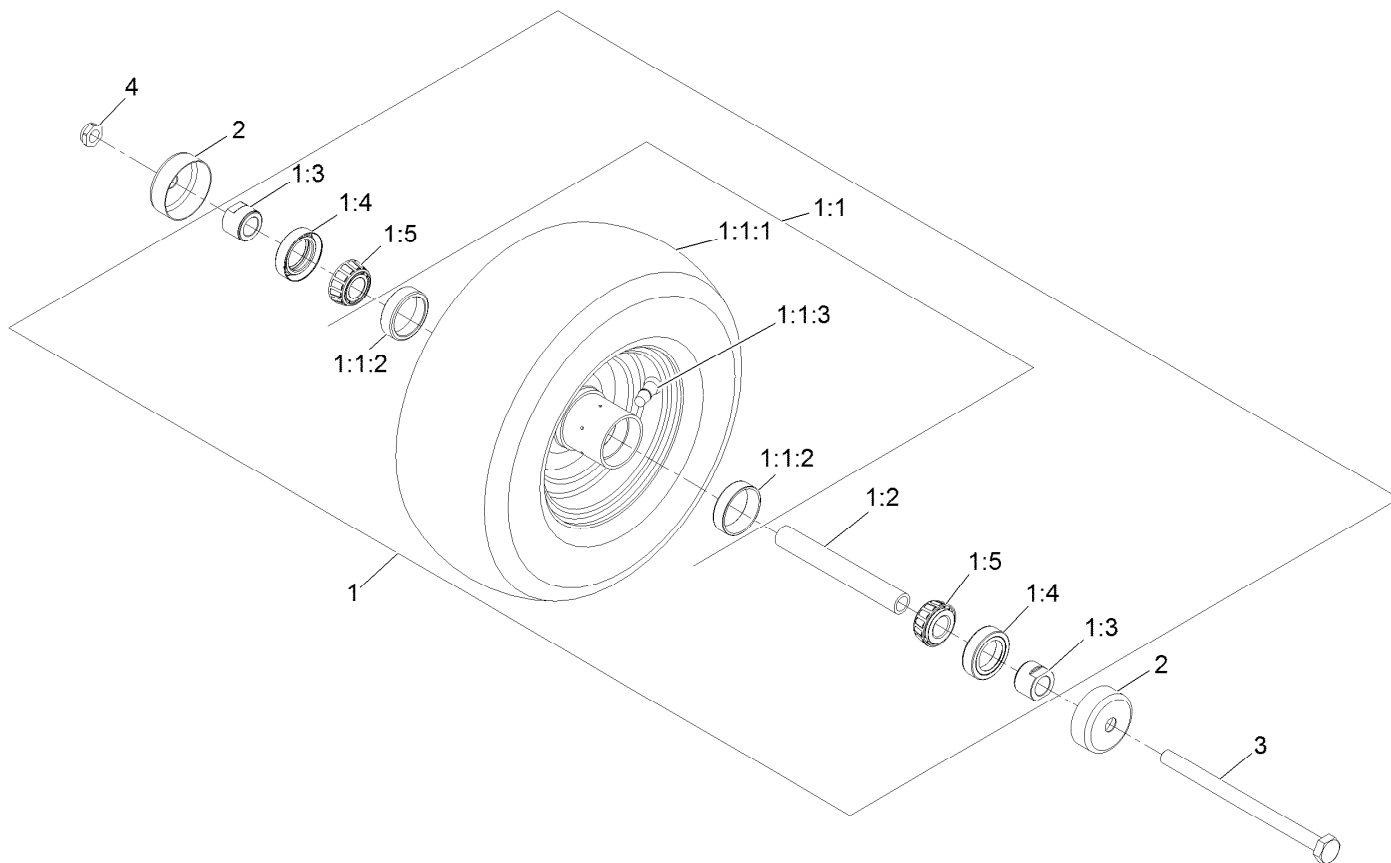


| <b>Ref.</b> | <b>Part Number</b> | <b>Qty.</b> | <b>Description</b>         |
|-------------|--------------------|-------------|----------------------------|
| 7:3         | 232-27             | 1           | Stem-Valve                 |
| 8           | 116-3498           | 1           | ASM-ROPS Pioneer           |
| 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           |



## Mainframe W/Decals Assembly No. 116-5854

| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 1    | 103-2076    | 2    | Decal-Caution       |
| 2    | 116-1119    | 1    | Decal,Belt Drive    |
| 3    | 116-6363    | 2    | Decal-Drive Release |
| 4    | 116-3303    | 1    | Decal-Slope         |
| 6    | 116-4570    | 1    | Decal-Pioneer Logo  |

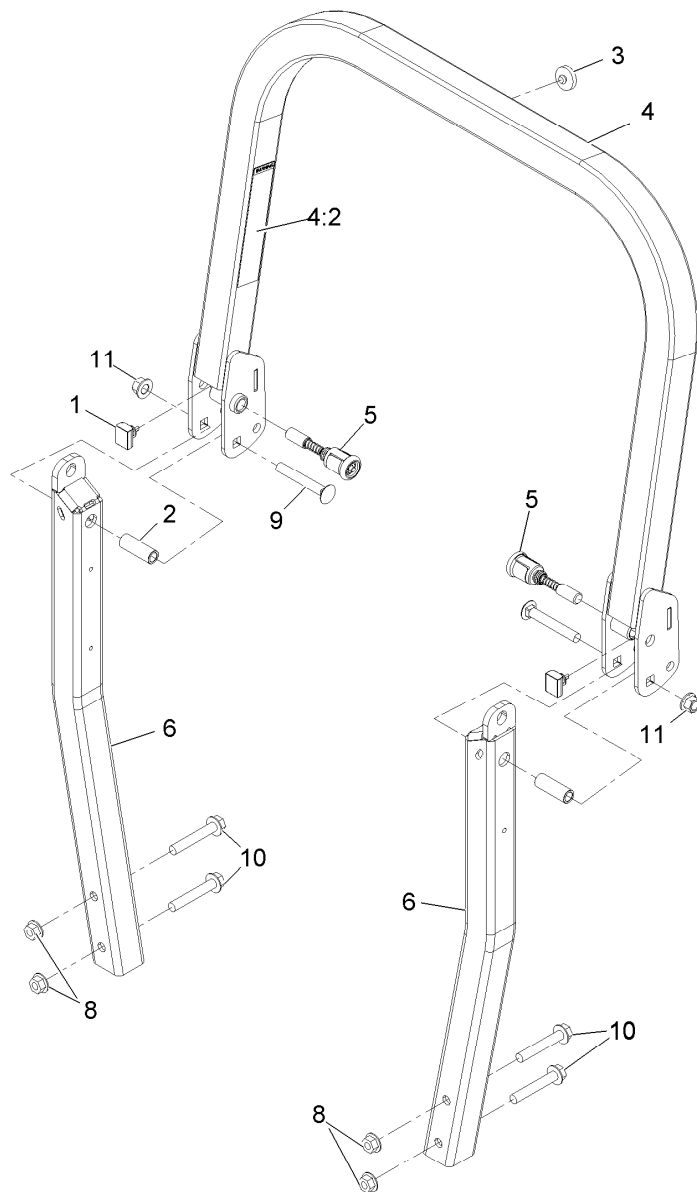


## Caster Wheel Assembly No. 103-5189

| 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

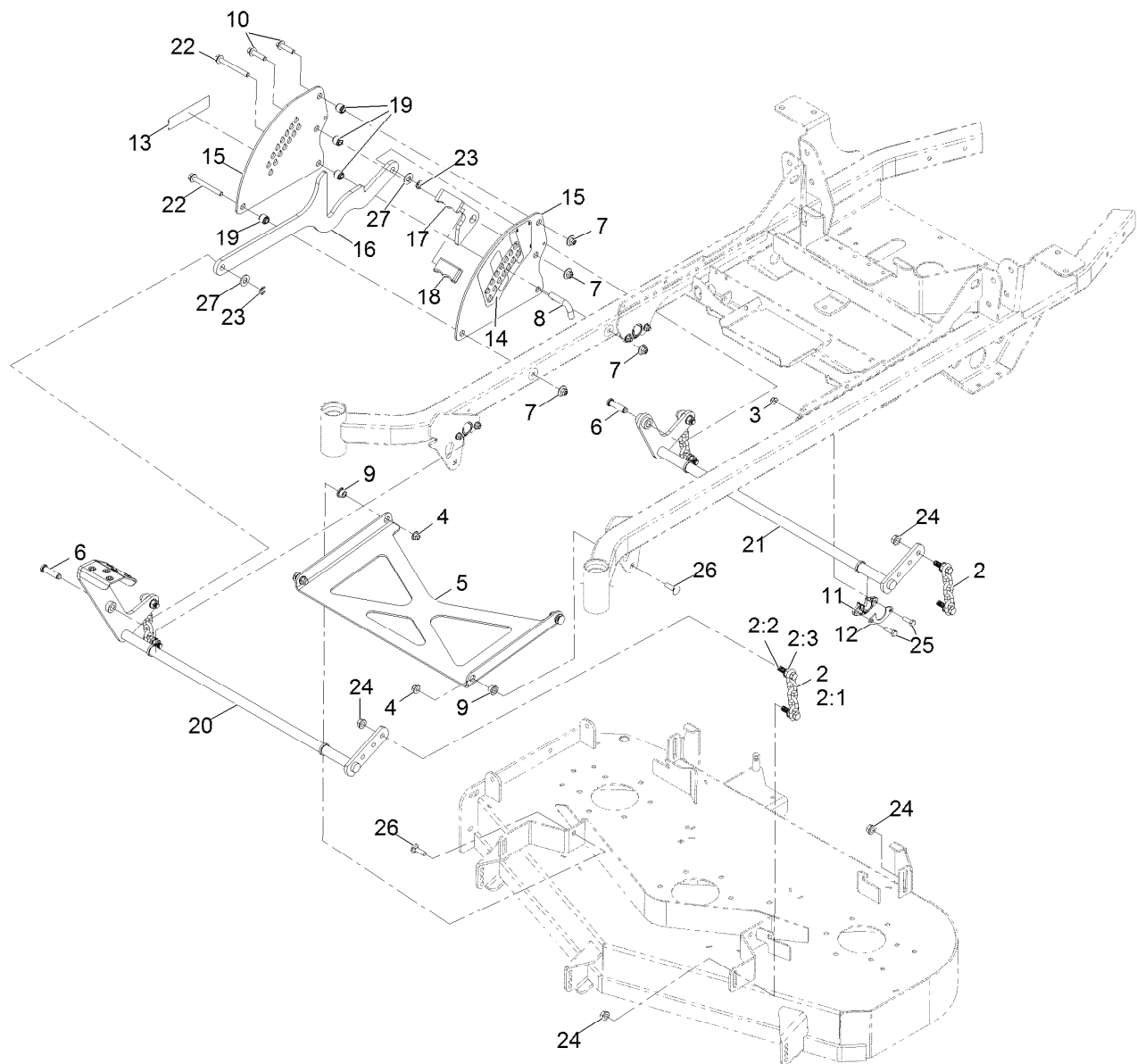
■ Use Pro-Lock, Nut Type (P/N 1-840022, .5ml tube) on threads.



## 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  | 107-2102    | 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              |

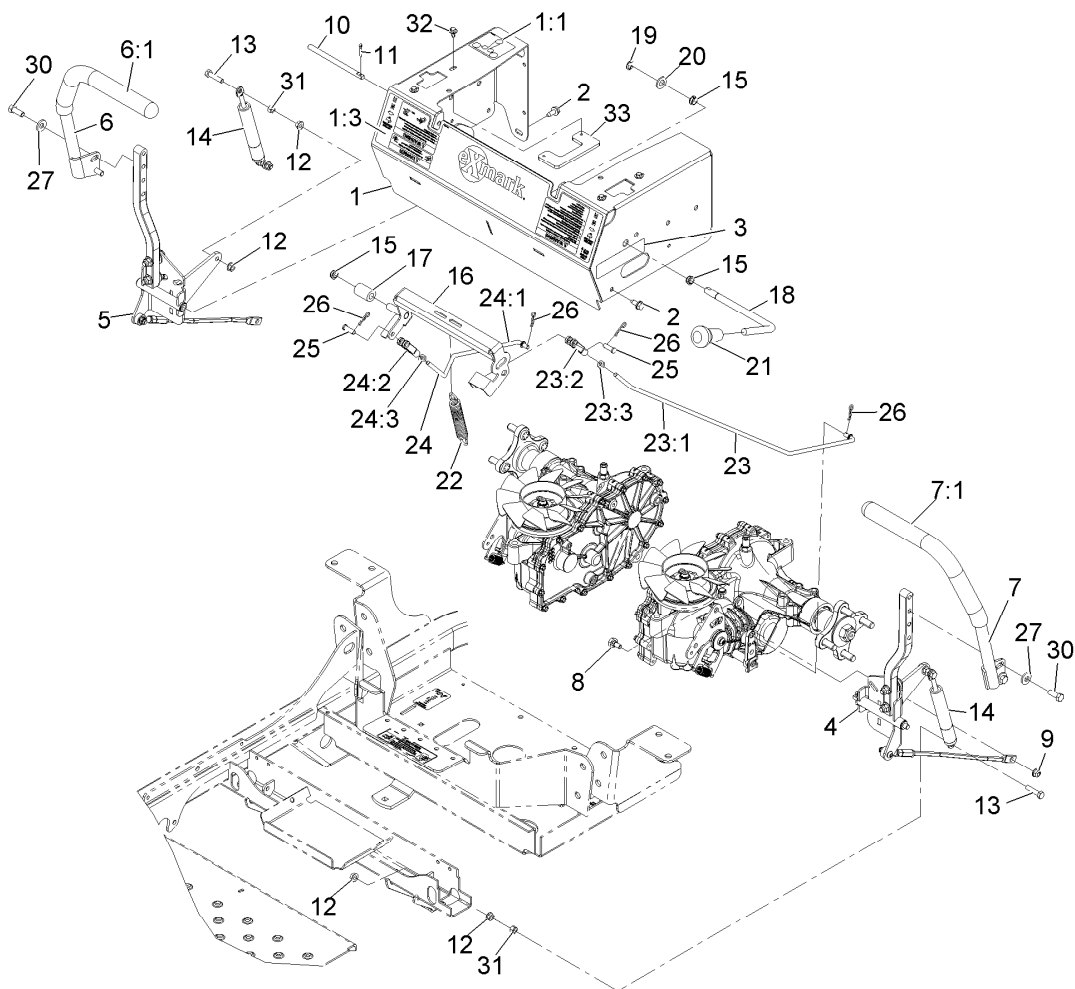
● Not serviced separately



## 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 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           |

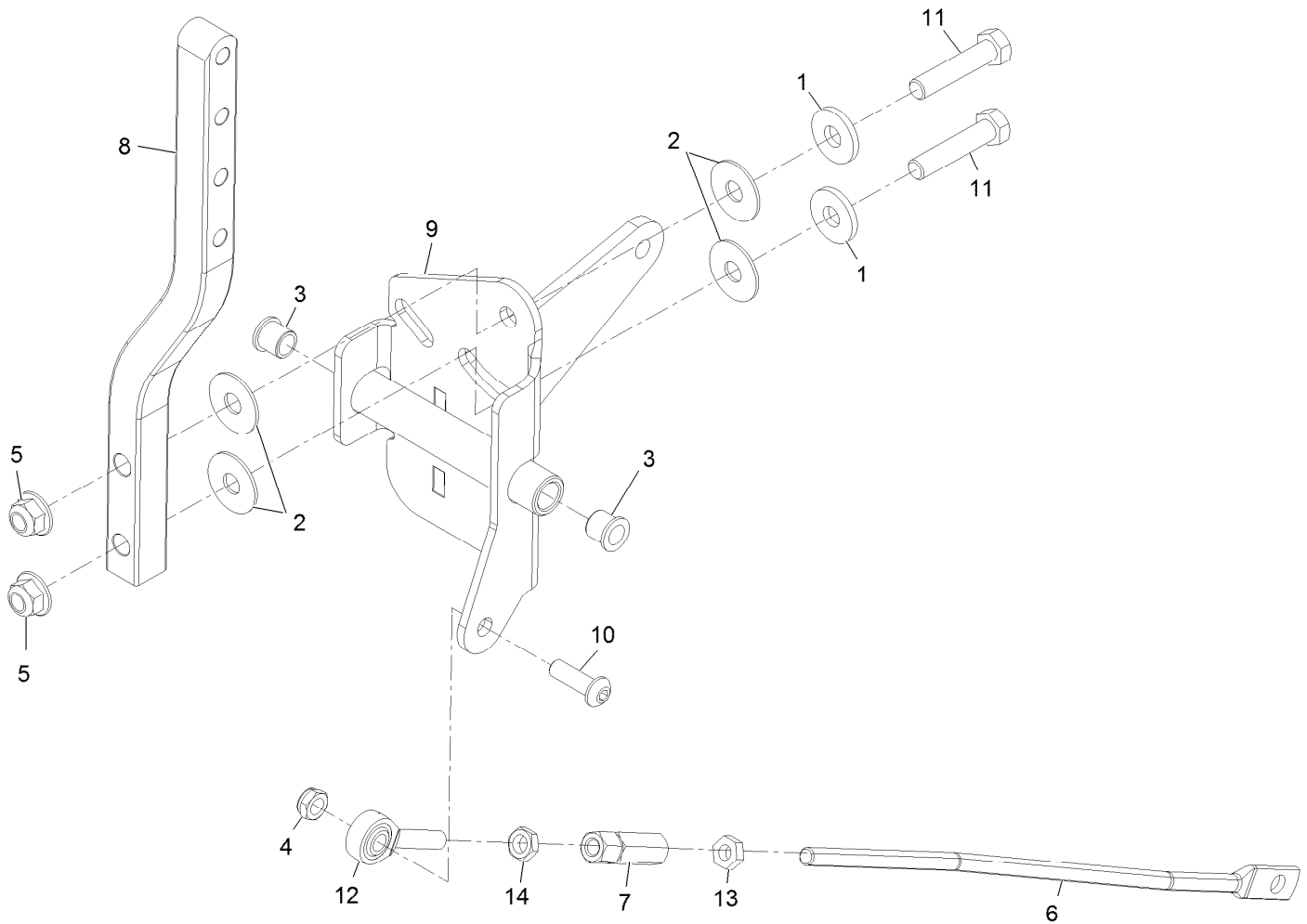
| Ref. | Part Number | Qty. | Description                  |
|------|-------------|------|------------------------------|
| 13   | 116-3884    | 1    | Decal-S-Series               |
| 14   | 116-4308    | 1    | Decal-Height Of Cut          |
| 15   | 116-4309-03 | 2    | Plate,Deck Lift              |
| 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

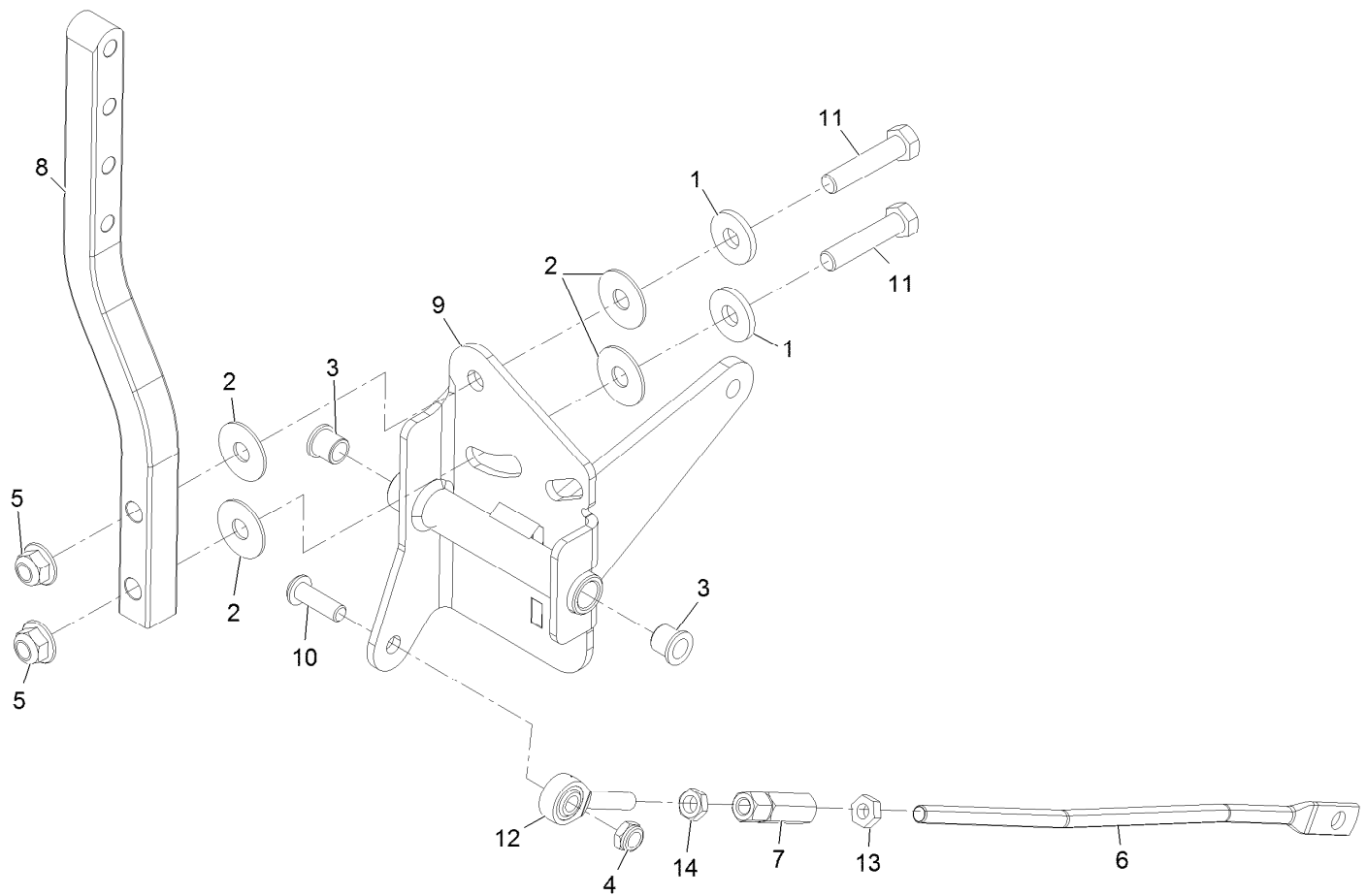
| Ref. | Part Number | Qty. | Description                  | Ref. | Part Number | Qty. | Description               |
|------|-------------|------|------------------------------|------|-------------|------|---------------------------|
| 1    | 116-3188    | 1    | ASM-Mot Ctrl Frm W/Dcl       | 16   | 116-6233    | 1    | Wld-Brake Center Arm      |
| 1:1  | 109-6014    | 1    | Decal-Belt Routing           | 17   | 109-5010    | 1    | Spacer                    |
| 1:3  | 116-4430    | 1    | Decal-Front Panel            | 18   | 116-3155    | 1    | Handle, Brake             |
| 2    | 32144-70    | 6    | Screw-HWH 5/16-18 X 3/4 Tf   | 19   | 32120-47    | 1    | Ring-Retaining            |
| 3    | 116-3884    | 1    | Decal-S-Series               | 20   | 106-9888    | 1    | Washer-Flat               |
| 4    |             | 1    | Motion Control ASM-LH ●      | 21   | 106-7952    | 1    | Knob                      |
| 5    |             | 1    | Motion Control ASM-RH ●      | 22   | 88-6130     | 1    | Spring-Deck, Engagement   |
| 6    | 119-3486    | 1    | RH Handle ASM                | 23   | 116-1165    | 1    | Brake Linkage ASM-LH      |
| 6:1  | 108-6187    | 1    | Grip                         | 23:1 | 116-1167    | 1    | Linkage, Brake LH         |
| 7    | 119-3485    | 1    | LH Handle ASM                | 23:2 | 1-303105    | 1    | Yoke-Adjustable           |
| 7:1  | 108-6187    | 1    | Grip                         | 23:3 | 3220-2      | 1    | Nut-Jam 5/16-24           |
| 8    | 37-8771     | 2    | Screw-Shoulder 5/16-18 X 5/8 | 24   | 116-1166    | 1    | Brake Linkage ASM-RH      |
| 9    | 104-8300    | 2    | Nut-Nyloc 5/16-18 Flg        | 24:1 | 116-1168    | 1    | Linkage-Brake, RH         |
| 10   | 109-3705    | 2    | Pin-Control Pivot            | 24:2 | 1-303105    | 1    | Yoke-Adjustable           |
| 11   | 3272-10     | 2    | Pin-Cotter 1/8 X 3/4         | 24:3 | 3220-2      | 1    | Nut-Jam 5/16-24           |
| 12   | 32128-20    | 8    | Nut-Whizlock 5/16-18         | 25   | 1-808280    | 2    | Pin-Clevis 5/16 X 1 49/64 |
| 13   | 1-403180    | 4    | Screw-HH 5/16-18 X 1 1/4 Sp  | 26   | 1-806003    | 4    | Hairpin-Cotter            |
| 14   | 109-5957    | 2    | Damper-Motion Control        | 27   | 98-5975     | 4    | Washer-Spring Disc 3/8    |
| 15   | 116-1393    | 3    | Bushing, Snap                | 30   | 323-6       | 4    | Screw-HH 3/8-16 X 1       |
|      |             |      |                              | 31   | 3217-6      | 4    | Nut-Hex 5/16-18           |
|      |             |      |                              | 32   | 46-8560     | 4    | Screw-HHF 1/4-20 X 1/2    |
|      |             |      |                              | 33   | 109-6214    | 2    | Stop-Motion Control       |

● Not serviced separately



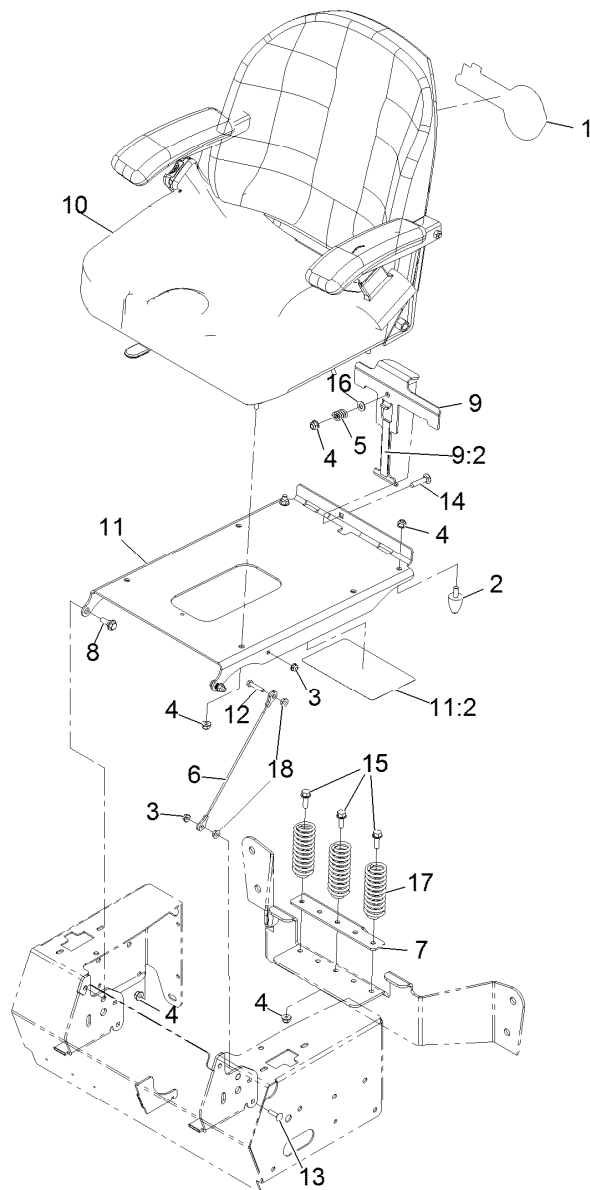
## Motion Control Assembly - LH

| 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    | 116-5477    | 1    | LH 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            |



## Motion Control Assembly - RH

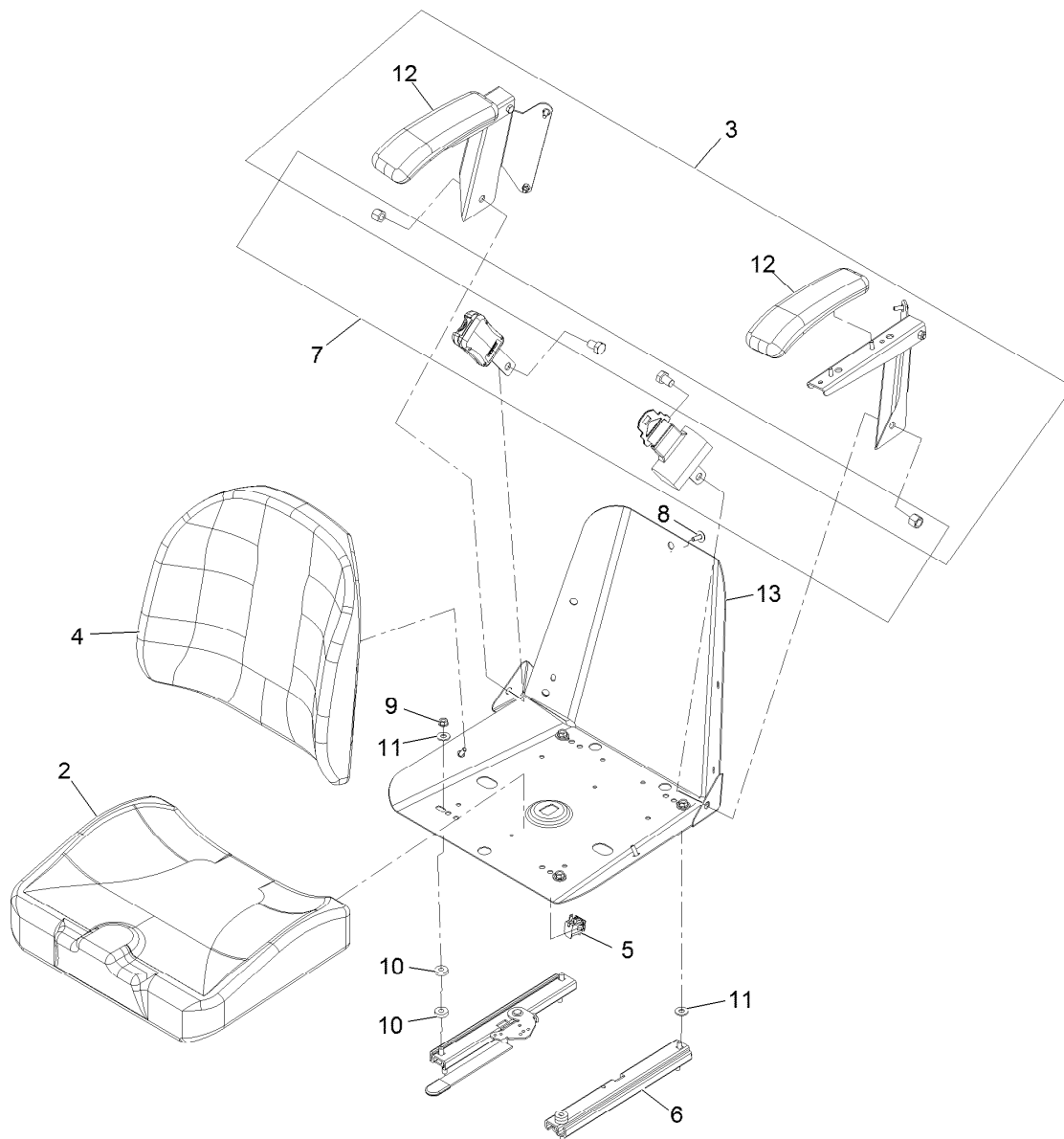
| Ref. | Part Number | Qty. | Description                   |
|------|-------------|------|-------------------------------|
| 1    | 5-0838      | 2    | Washer                        |
| 2    | 52-2900     | 4    | Washer-Plastic                |
| 3    | 103-9928    | 2    | Bearing                       |
| 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    | 116-5476    | 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

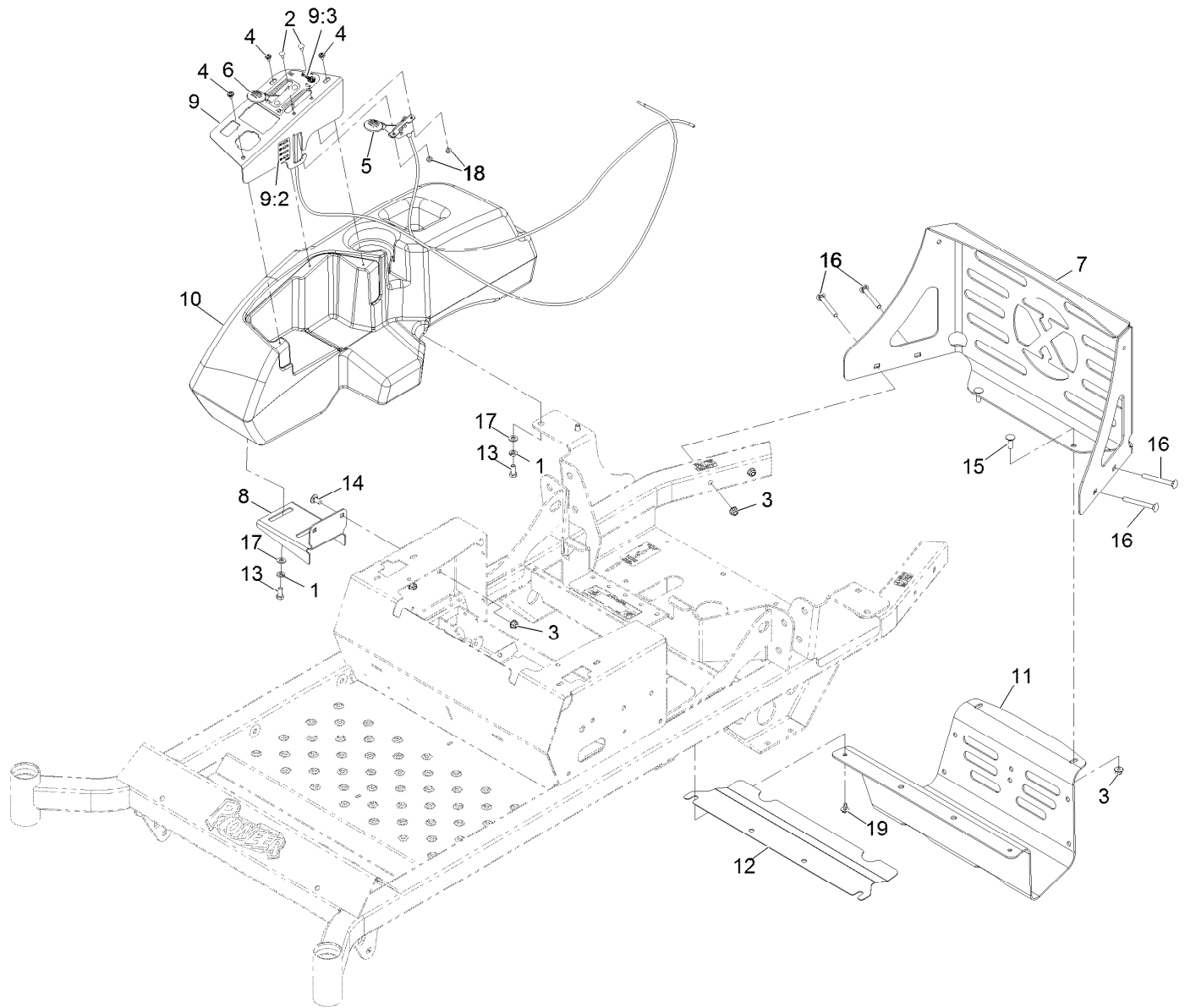
| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    | 103-2882    | 1    | Decal, Exmark Logo    |
| 2    | 103-9376    | 2    | Bumper-Seat           |
| 3    | 104-7201    | 2    | Nut-Nyloc 1/4-20 Flg  |
| 4    | 104-8300    | 10   | Nut-Nyloc 5/16-18 Flg |
| 5    | 107-3017    | 1    | Spring-Compression    |
| 6    | 109-2628    | 1    | Cable-Stop, Seat      |
| 7    | 116-0871    | 1    | Catch, Seat Latch     |
| 8    | 116-1297    | 2    | Screw-Shoulder        |
| 9    | 116-3121    | 1    | ASM-Seat Latch        |
| 9:2  | 116-3120    | 1    | Strip-Poly Wear       |
| 10   | 116-6192    | 1    | ASM-Seat, Lze         |

| Ref. | Part Number | Qty. | Description                   |
|------|-------------|------|-------------------------------|
| 11   | 116-4418    | 1    | Plate, Seat W/Decals          |
| 11:2 | 109-6016    | 1    | Decal-Service Aid             |
| 12   | 321-8       | 1    | Screw-HH 1/4-20 X 1 1/4       |
| 13   | 3229-2      | 1    | Bolt-Carriage 1/4-20 X 1      |
| 14   | 3230-4      | 1    | Bolt-Carriage 5/16-18 X 1 1/2 |
| 15   | 3234-29     | 3    | Screw-HH Flg 5/16-18 X 1      |
| 16   | 3256-23     | 1    | Washer-5/16 Sae               |
| 17   | 92-7054     | 3    | Spring-Compression            |
| 18   | 32128-33    | 2    | Nut-Whizlock 1/4-20           |



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

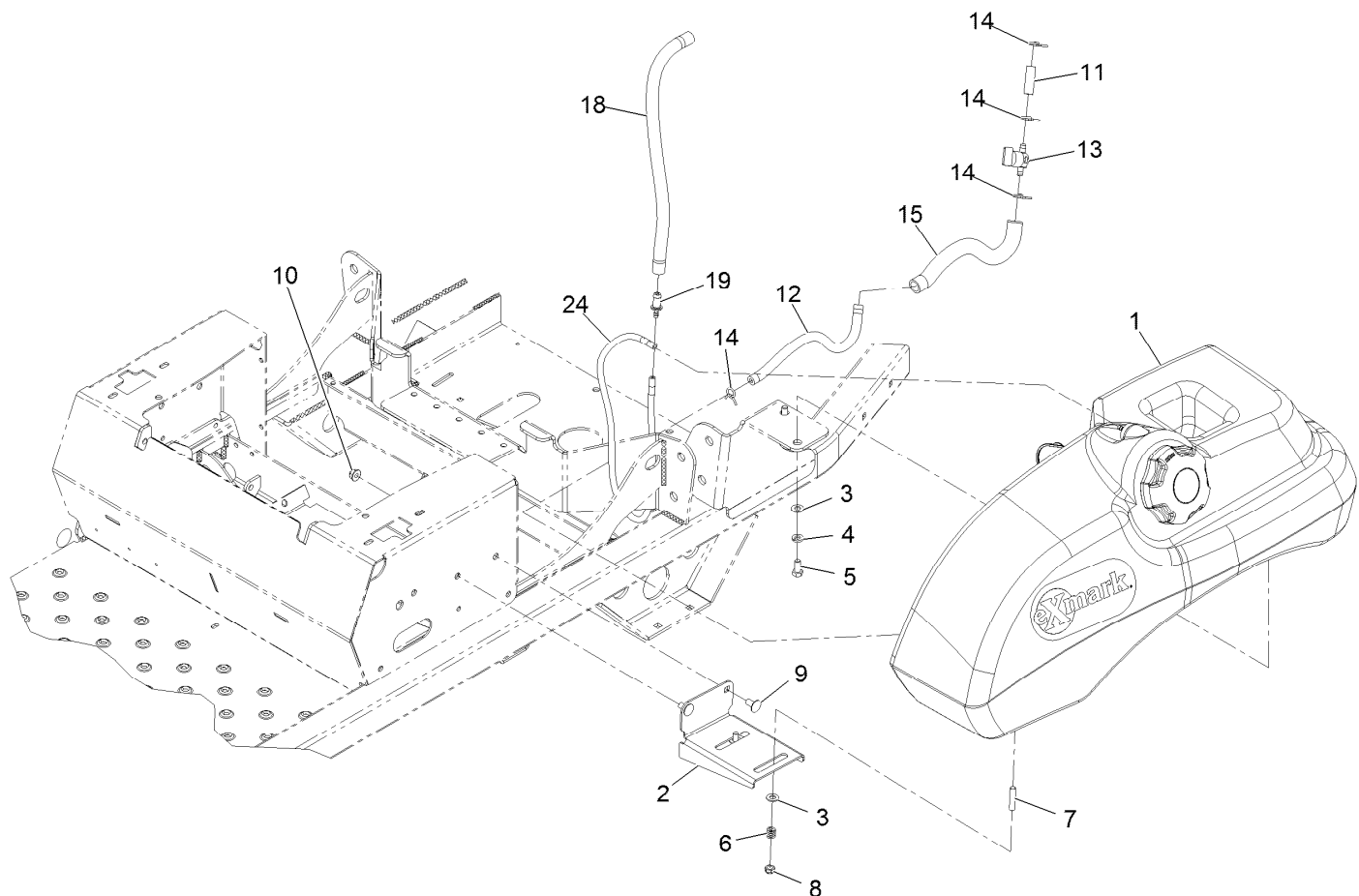
| Ref. | Part Number | Qty. | Description                    |
|------|-------------|------|--------------------------------|
| 2    | 116-7329    | 1    | Cushion-Seat Bottom            |
| 3    | 110-5719    | 1    | Armrest Kit                    |
| 4    | 116-3738    | 1    | Cushion,Seat Back              |
| 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                     |



## 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    | 116-4919    | 1    | Control,Throttle           |
| 6    | 109-8747    | 1    | Control,Choke              |
| 7    | 116-3453-03 | 1    | Panel,Rear Guard           |
| 8    | 116-3495-03 | 1    | Bracket-Tank And Fender    |
| 9    | 116-3496    | 1    | ASM,Control Panel W/Decal  |
| 9:2  | 116-1496    | 1    | Decal,Fuse Block           |
| 9:3  | 116-4465    | 1    | Decal-Throttle Choke       |

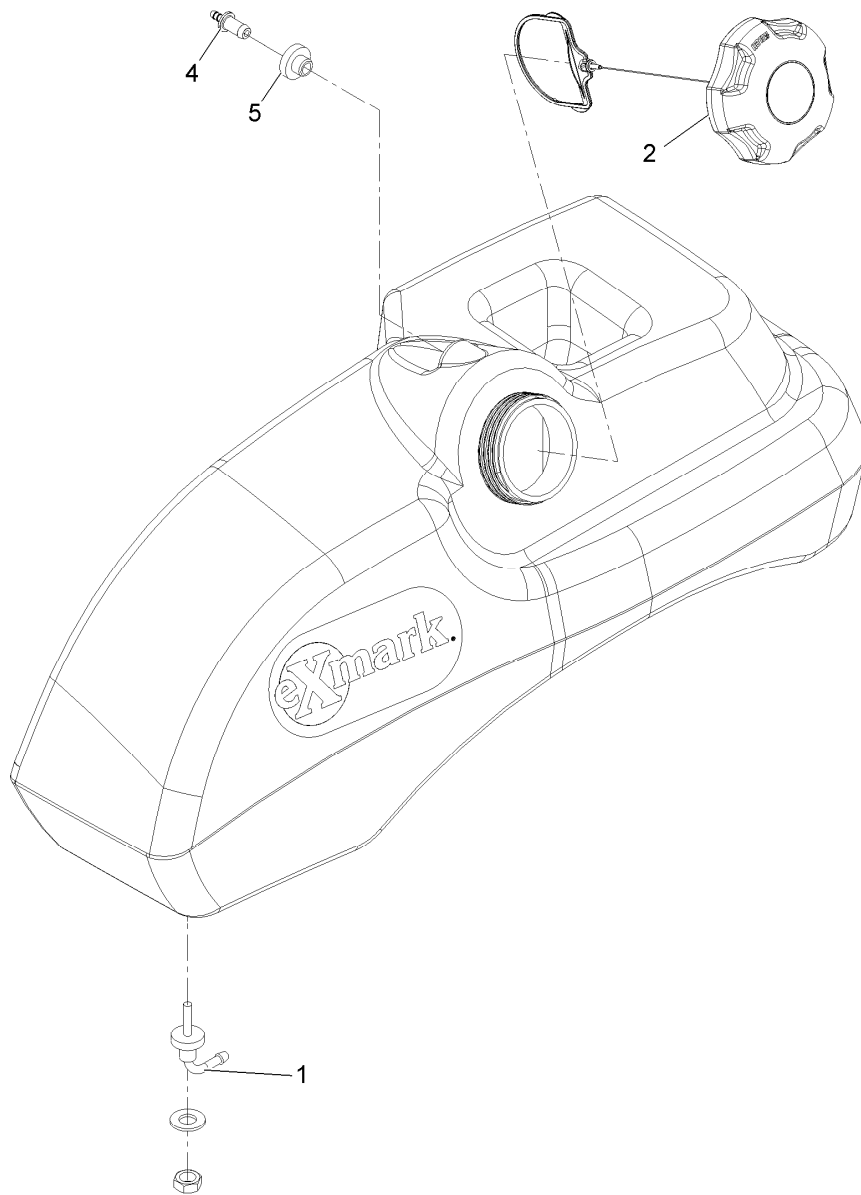
| Ref. | Part Number | Qty. | Description                   |
|------|-------------|------|-------------------------------|
| 10   | 116-4138    | 1    | Console,RH                    |
| 11   | 116-4708-03 | 1    | Guard-Muffler                 |
| 12   | 126-0456-03 | 1    | Shield, Heat                  |
| 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 3/4 |
| 17   | 3256-23     | 4    | Washer-5/16 Sae               |
| 18   | 3296-2      | 4    | Nut-Nyloc #10-24              |
| 19   | 46-8560     | 2    | Screw-HHF 1/4-20 X 1/2        |



## Fuel Tank Mounting Assembly

| Ref. | Part Number | Qty. | Description                 | Ref. | Part Number | Qty. | Description              |
|------|-------------|------|-----------------------------|------|-------------|------|--------------------------|
| 1    | 116-4610    | 1    | ASM-Fuel Tank               | 10   | 104-8300    | 2    | Nut-Nyloc 5/16-18 Flg    |
| 2    | 116-3495-03 | 1    | Bracket-Tank And Fender     | 11   | 106-9492    | 1    | Hose-Fuel                |
| 3    | 3256-23     | 4    | Washer-5/16 Sae             | 12   | 109-0282    | 1    | Hose-Fuel                |
| 4    | 1-805005    | 2    | Washer-Lock 5/16 Heavy      | 13   | 1-603770    | 1    | Valve-Fuel               |
| 5    | 322-3       | 2    | Screw-HH 5/16-18 X 3/4      | 14   | 1-303077    | 4    | Clamp-Fuel Line          |
| 6    | 1-633349    | 2    | Spring-Compression          | 15   | 116-4515    | 1    | Conduit-Fuel Line        |
| 7    | 1-633023    | 2    | Stud-Fuel Tank ●            | 18   | 116-4344    | 1    | Hose-Fuel                |
| 8    | 3296-47     | 2    | Nut-Nyloc 5/16-18 Thin      | 19   | 116-4630    | 1    | Fitting-Straight Orifice |
| 9    | 3230-18     | 2    | Bolt-Carriage 5/16-18 X 5/8 | 24   | 116-4802    | 1    | Hose,Emissions           |

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



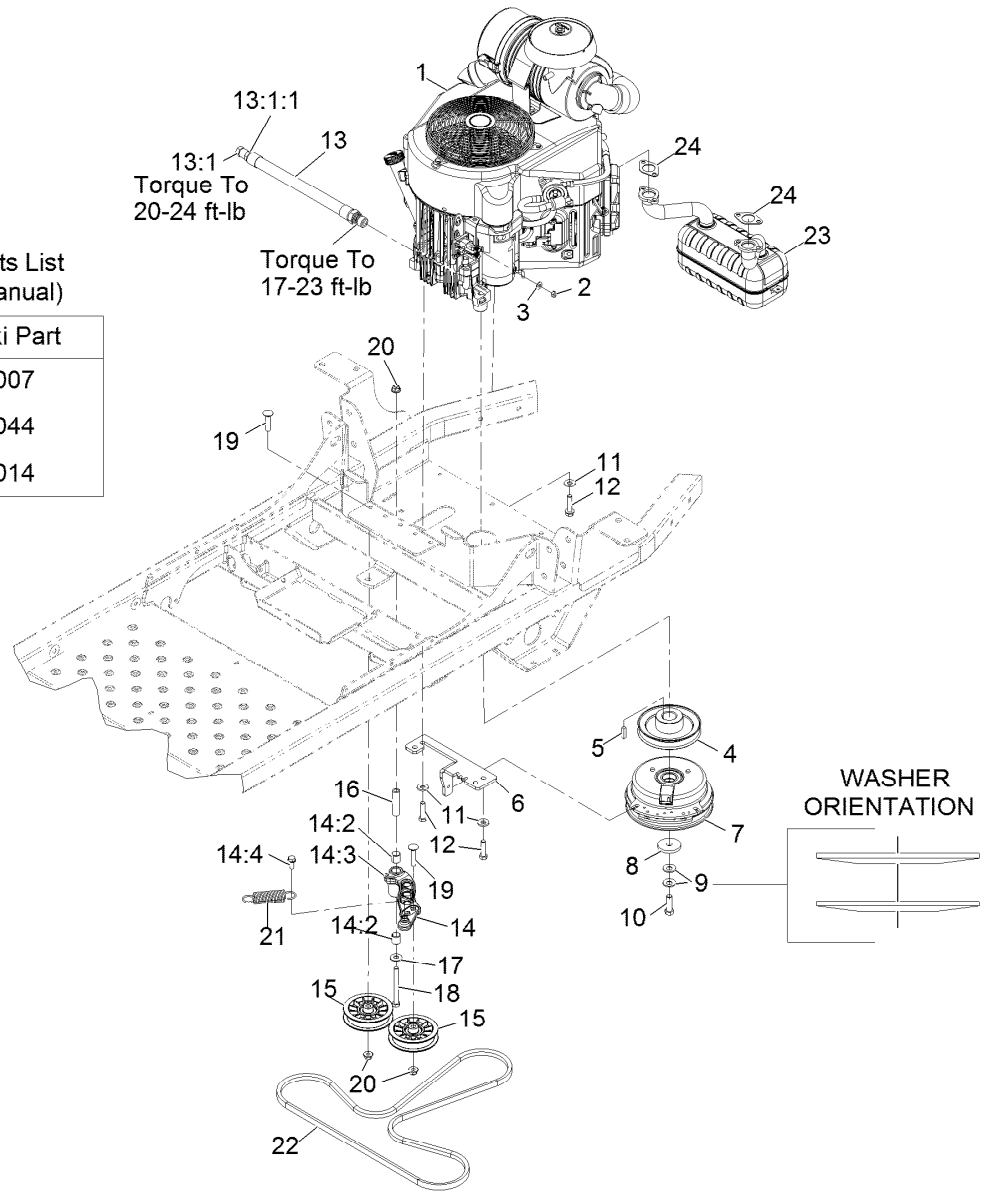
## Fuel Tank Assembly No. 116-4610

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

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

| Description       | Kawasaki Part |
|-------------------|---------------|
| Engine Oil Filter | 49065-7007    |
| Engine Air Filter | 11013-7044    |
| Fuel Filter       | 49019-0014    |



## Engine Assembly

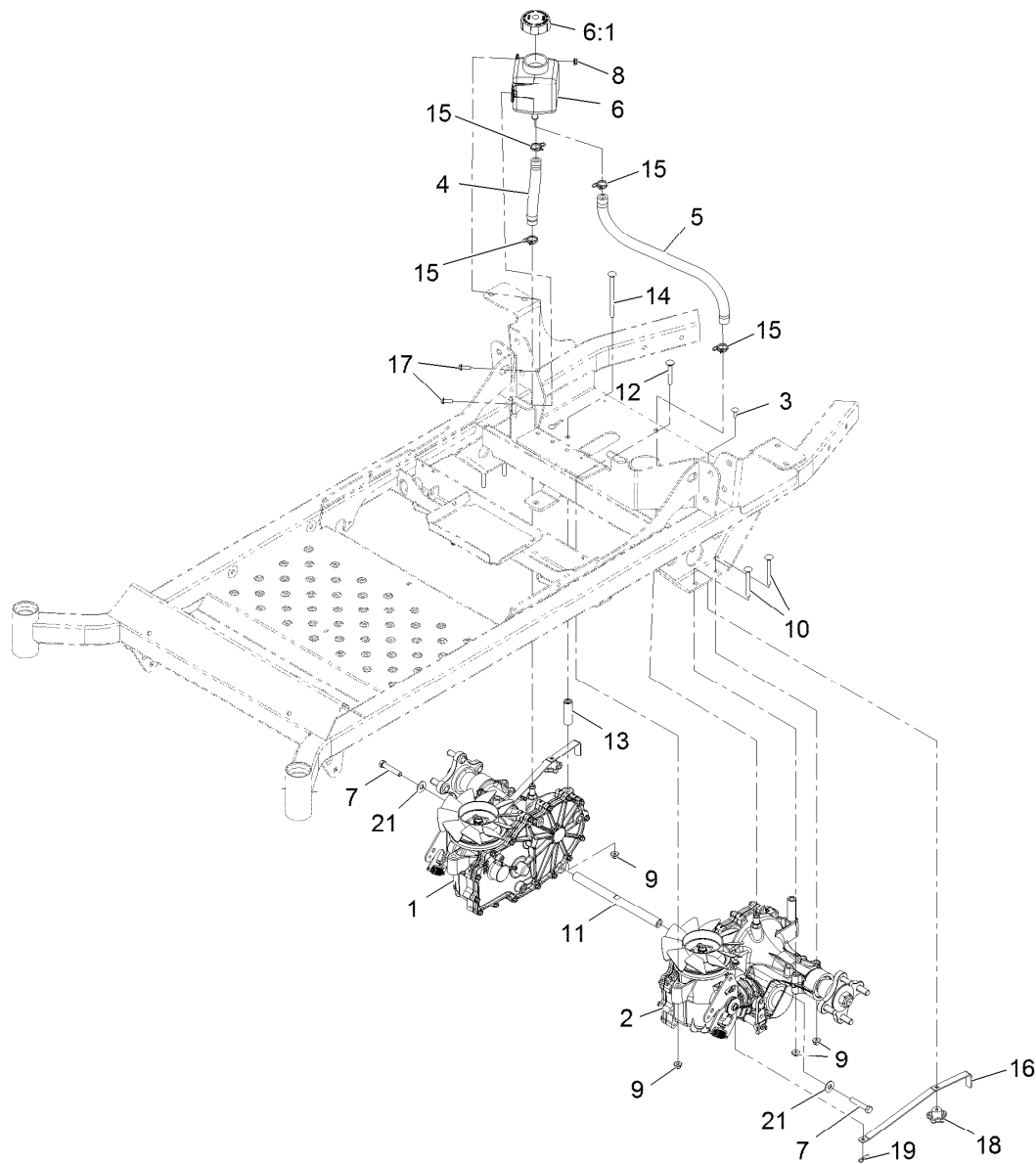
| Ref. | Part Number | Qty. | Description                      | Ref.   | Part Number | Qty. | Description              |
|------|-------------|------|----------------------------------|--------|-------------|------|--------------------------|
| 1    |             | 1    | Engine-Kawasaki, Fx730V-S16-R ●■ | 13:1:1 | 237-42      | 1    | O-Ring                   |
| 2    | 3217-5      | 1    | Nut-Hex                          | 14     | 126-0973    | 1    | ASM-Idler Arm W/Bearings |
| 3    | 3256-22     | 1    | Washer-Flat                      | 14:2   | 1-513034    | 2    | Sleeve-Bearing           |
| 4    | 116-1946    | 1    | Sheave-Pump, Drive               | 14:3   | 302-40      | 1    | Fitting-Grease           |
| 5    | 1-807259    | 1    | Key                              | 14:4   | 32144-11    | 1    | Screw-HWHTF              |
| 6    | 116-4773-03 | 1    | Anchor-Clutch                    | 15     | 116-2456    | 2    | Pulley-Flat, 3.50 Dia    |
| 7    | 116-1604    | 1    | Clutch                           | 16     | 1-603384    | 1    | Bushing-Pivot, Idler     |
| 8    | 109-6919    | 1    | Washer-Clutch                    | 17     | 3256-4      | 1    | Washer-Flat              |
| 9    | 1-603610    | 2    | Washer-Spring                    | 18     | 323-15      | 1    | Screw-HH                 |
| 10   | 109-9761    | 1    | Screw-HH ◆                       | 19     | 3231-5      | 2    | Screw-CARR               |
| 11   | 98-5975     | 4    | Washer-Belleville                | 20     | 104-8301    | 3    | Nut-Flange, NI           |
| 12   | 323-8       | 4    | Screw-HH                         | 21     | 1-603402    | 1    | Spring-Extension         |
| 13   | 116-4924    | 1    | Engine Oil Drain Hose ASM ▲      | 22     | 115-9613    | 1    | V-Belt                   |
| 13:1 | 353-508     | 1    | Plug-HH                          | 23     | 117-7256    | 1    | Muffler-Kawasaki         |
|      |             |      |                                  | 24     | 1-653313    | 2    | Gasket-Exhaust           |

● Not serviced separately

▲ Use a Teflon Pipe Sealant or equivalent on threads.

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

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

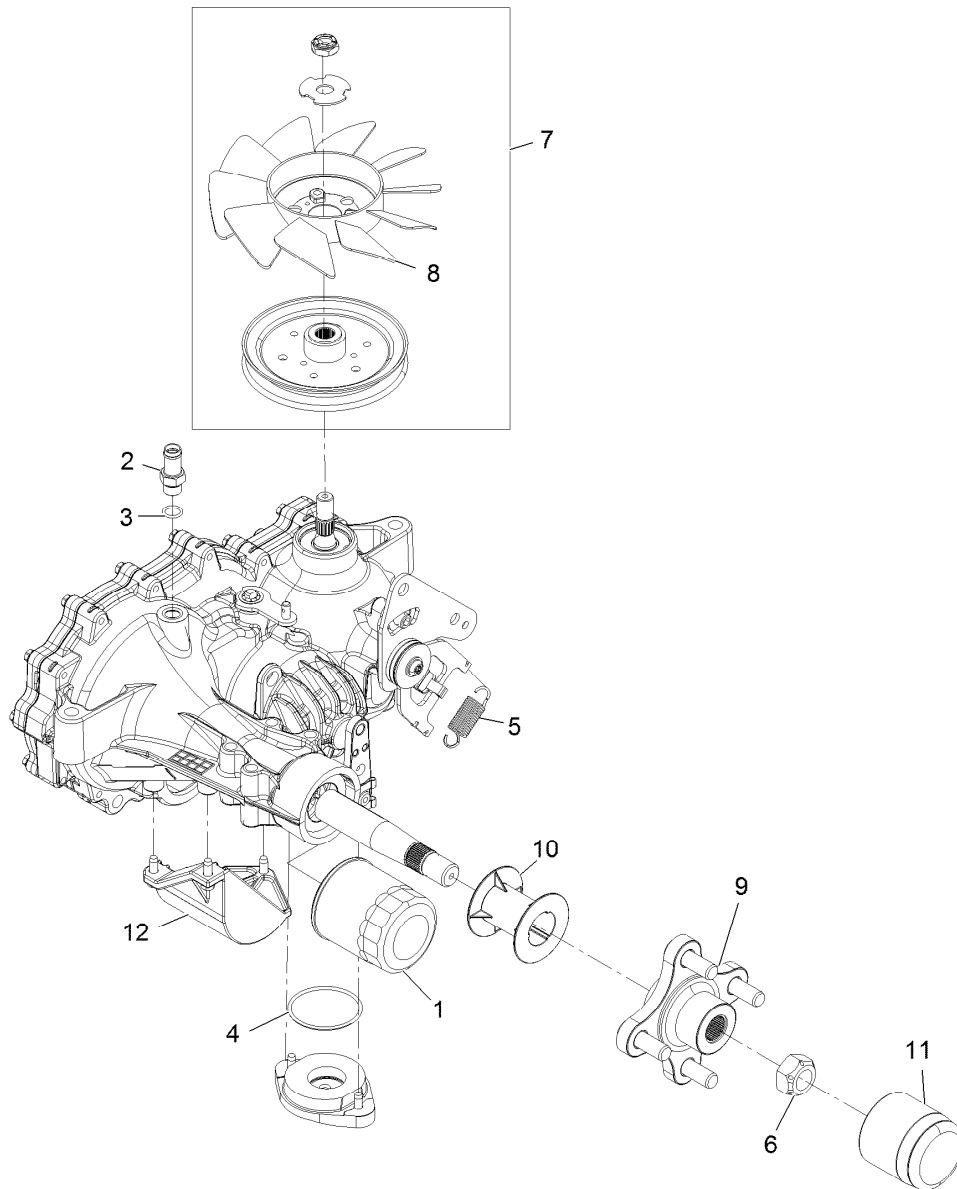


## Hydraulic Assembly

| Ref. | Part Number | Qty. | Description          |
|------|-------------|------|----------------------|
| 1    | 116-6007    | 1    | Transaxle ASM        |
| 2    | 116-6008    | 1    | Transaxle ASM        |
| 3    | 3229-1      | 2    | Bolt-CARR            |
| 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-HF               |
| 9    | 104-8300    | 8    | Nut-Flange, NI       |
| 10   | 3230-9      | 4    | Screw-CARR           |

| Ref. | Part Number | Qty. | Description      |
|------|-------------|------|------------------|
| 11   | 116-6833    | 1    | Shaft-Spacer     |
| 12   | 3230-7      | 2    | Bolt-CARR        |
| 13   | 116-5809    | 2    | Spacer-Hydro     |
| 14   | 3230-30     | 2    | Screw-CARR       |
| 15   | 126-0327    | 4    | Clamp-Hose       |
| 16   | 109-5395    | 2    | Arm-Hydro Bypass |
| 17   | 32105-15    | 2    | Screw-HWH        |
| 18   | 108-6402    | 2    | Knob-Handle      |
| 19   | 1-806003    | 2    | Pin-Cotter, Hair |
| 21   | 3256-4      | 2    | Washer-Flat      |

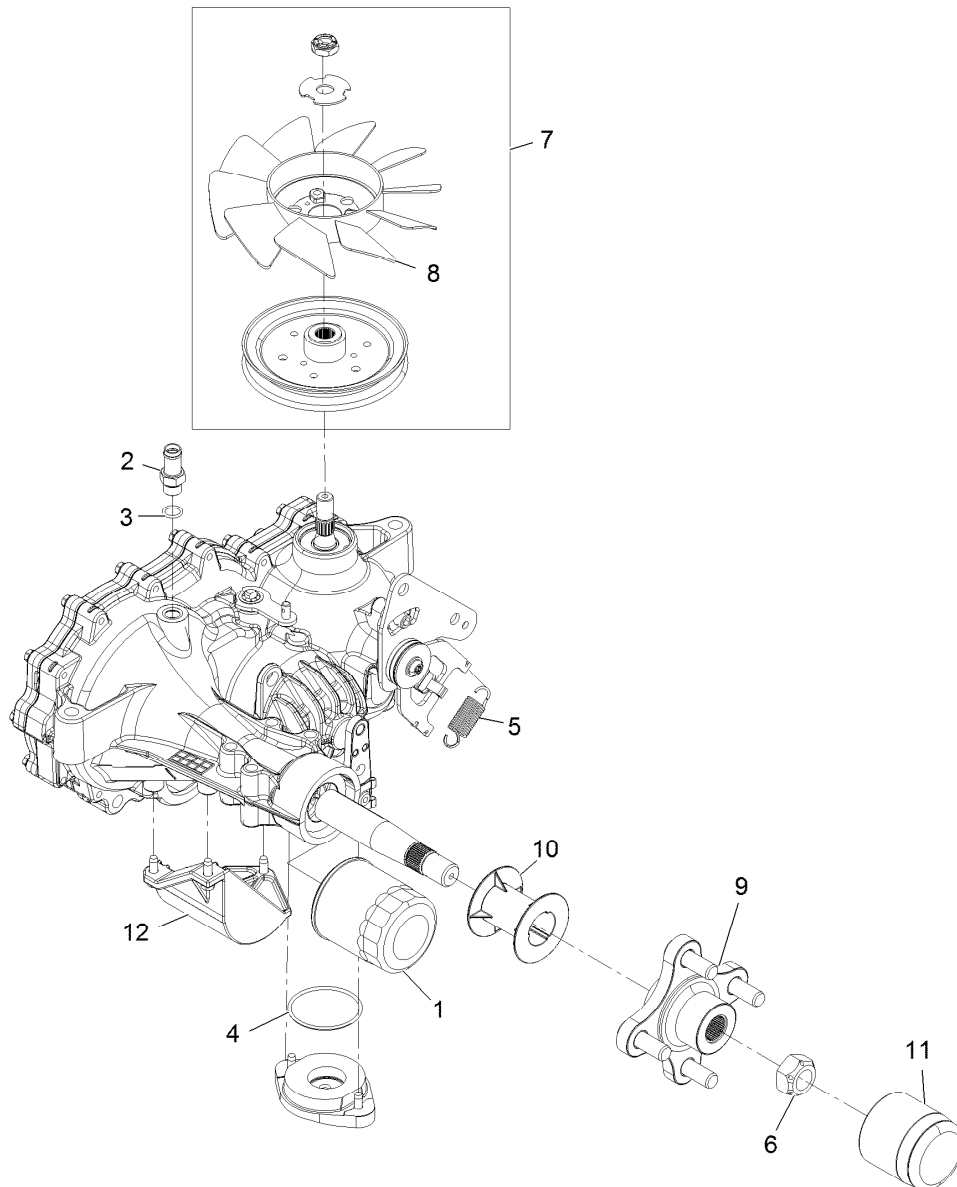
● Use Pro-Lock, Nut Type (P/N 1-840022, .5ml tube) on threads.



## Transaxle Assembly

| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 1    | 109-3321    | 1    | Filter-Hydraulic         |
| 2    | 109-3278    | 1    | Adapter-Straight         |
| 3    | 237-42      | 1    | O-Ring                   |
| 4    | 109-3540    | 1    | O-Ring-Charge Seal Cover |
| 5    | 109-5592    | 1    | Spring                   |
| 6    | 109-3536    | 1    | Nut-Hub                  |
| 7    | 109-5938    | 1    | Fan And Pulley Kit       |
| 8    | 114-8453    | 1    | Fan-7.0                  |
| 9    | 116-3872    | 1    | Hub-Offset               |
| 10   | 116-6213    | 1    | Tube-Axle 2.04           |
| 11   | 116-6214    | 1    | Cap-Long Axle            |
| 12   | 120-7981    | 1    | Guard-Filter, RH         |
| 99   | 109-3537    | 1    | Seal Kit ●               |

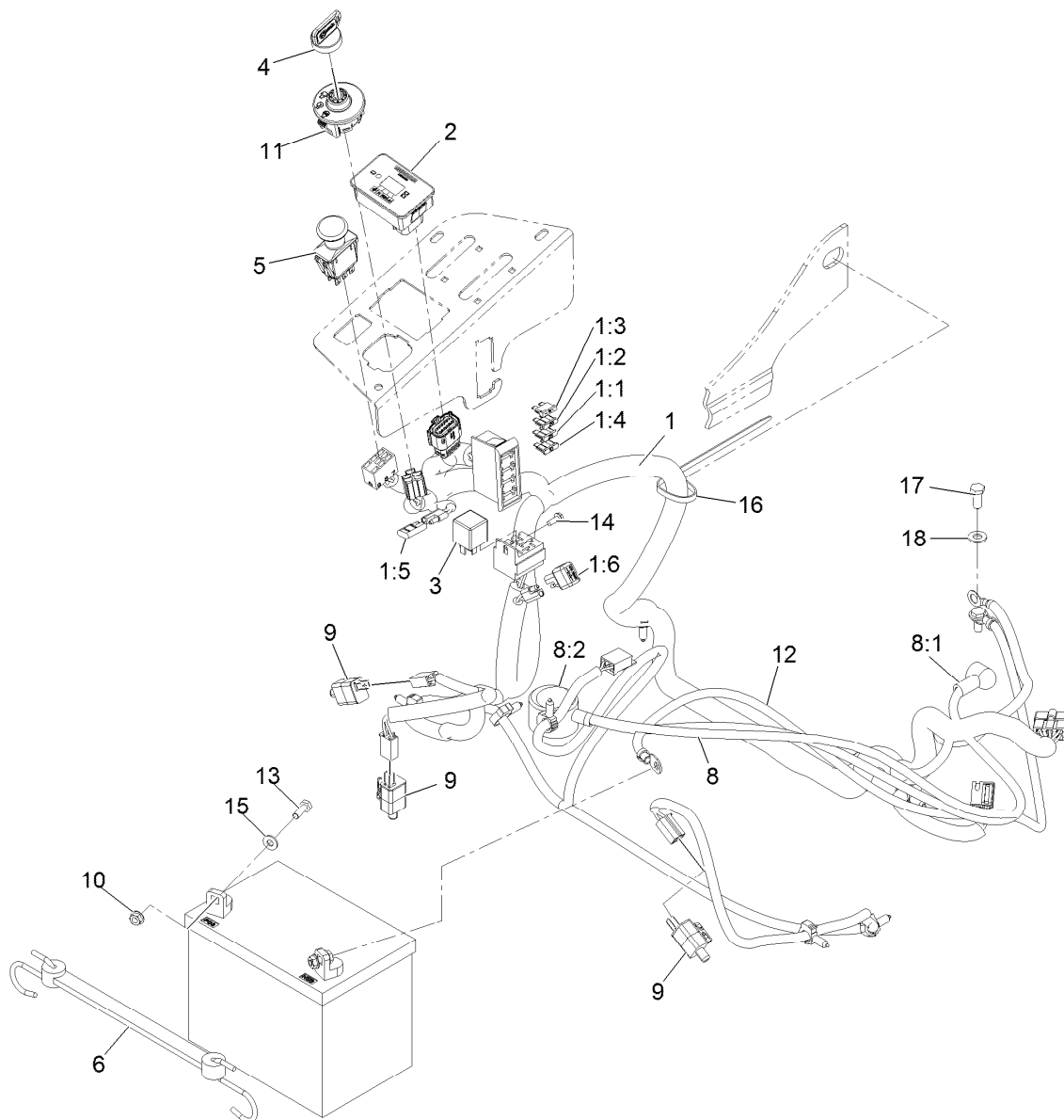
● Not illustrated



## Transaxle Assembly

| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 1    | 109-3321    | 1    | Filter-Hydraulic         |
| 2    | 109-3278    | 1    | Adapter-Straight         |
| 3    | 237-42      | 1    | O-Ring                   |
| 4    | 109-3540    | 1    | O-Ring-Charge Seal Cover |
| 5    | 109-5592    | 1    | Spring                   |
| 6    | 109-3536    | 1    | Nut-Hub                  |
| 7    | 109-5938    | 1    | Fan And Pulley Kit       |
| 8    | 114-8453    | 1    | Fan-7.0                  |
| 9    | 116-3872    | 1    | Hub-Offset               |
| 10   | 116-6213    | 1    | Tube-Axle 2.04           |
| 11   | 116-6214    | 1    | Cap-Long Axle            |
| 12   | 120-7979    | 1    | Guard-Filter, LH         |
| 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           |
| 8    | 109-7621    | 1    | Positive Battery Cable ASM |

| Ref. | Part Number | Qty. | Description                |
|------|-------------|------|----------------------------|
| 8:1  | 1-543393    | 1    | Insulator-Solenoid         |
| 8:2  | 109-2407    | 1    | Insulator-Battery          |
| 9    | 110-6765    | 3    | Switch-Single Pole No      |
| 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 Tap |
| 15   | 3256-22     | 2    | Washer-1/4 Sae             |
| 16   | 1-303335    | 1    | Tie-Cable 7 15/16 (Large)  |
| 17   | 33114-020   | 1    | Screw-HH M8-1.25 X 20Mm    |
| 18   | 33094-00    | 1    | Washer                     |

● 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.

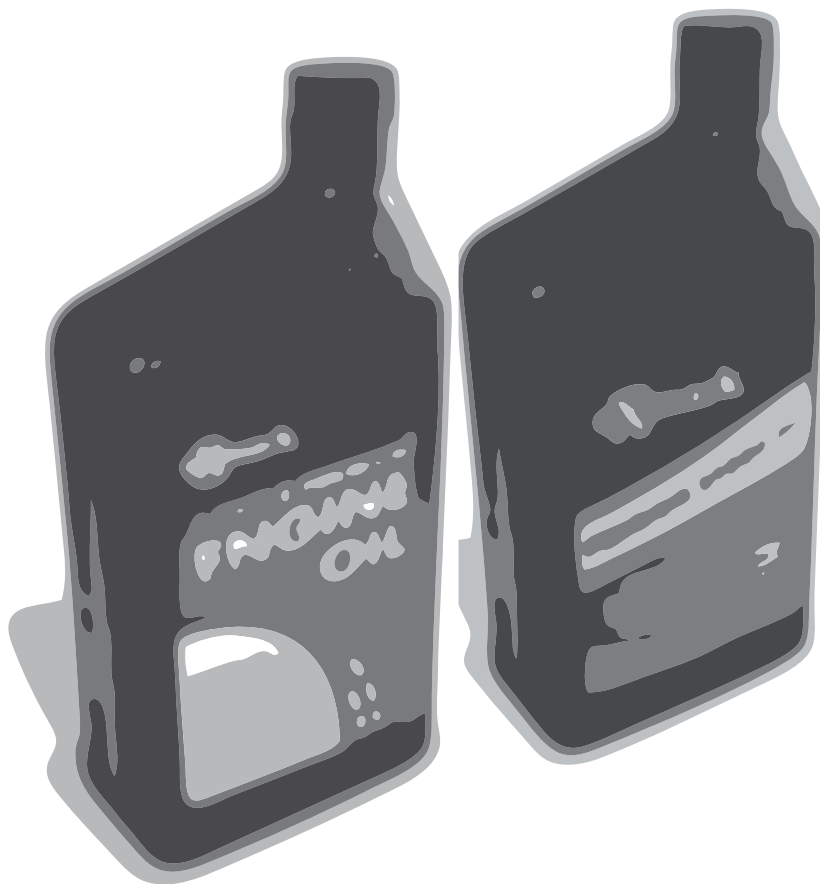
### **PREMIUM HYDRO OIL**

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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