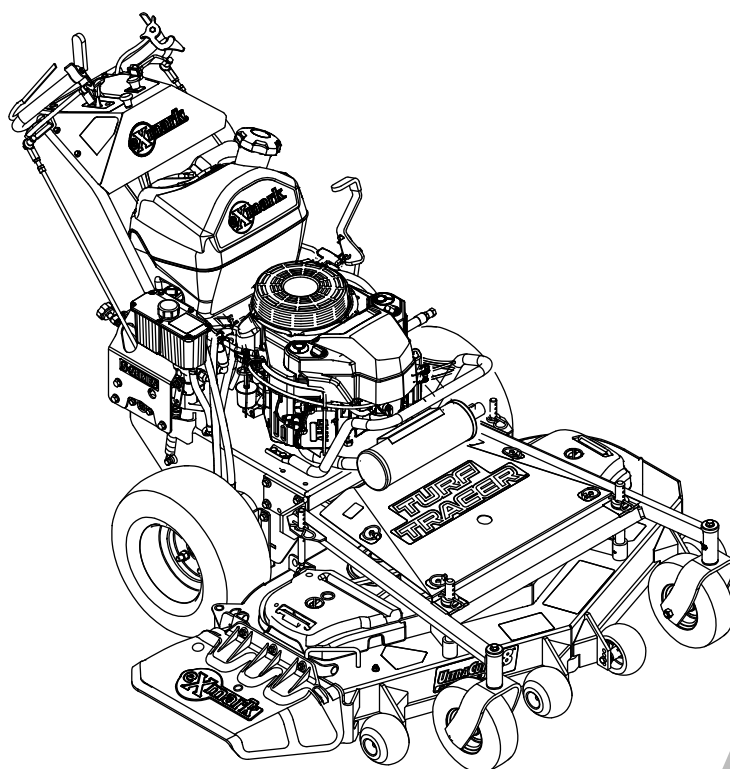




# **TURF TRACER® S-SERIES**

Model No. TTS541CKA48300—Serial No. 411294212 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.

# Touch Up Paint

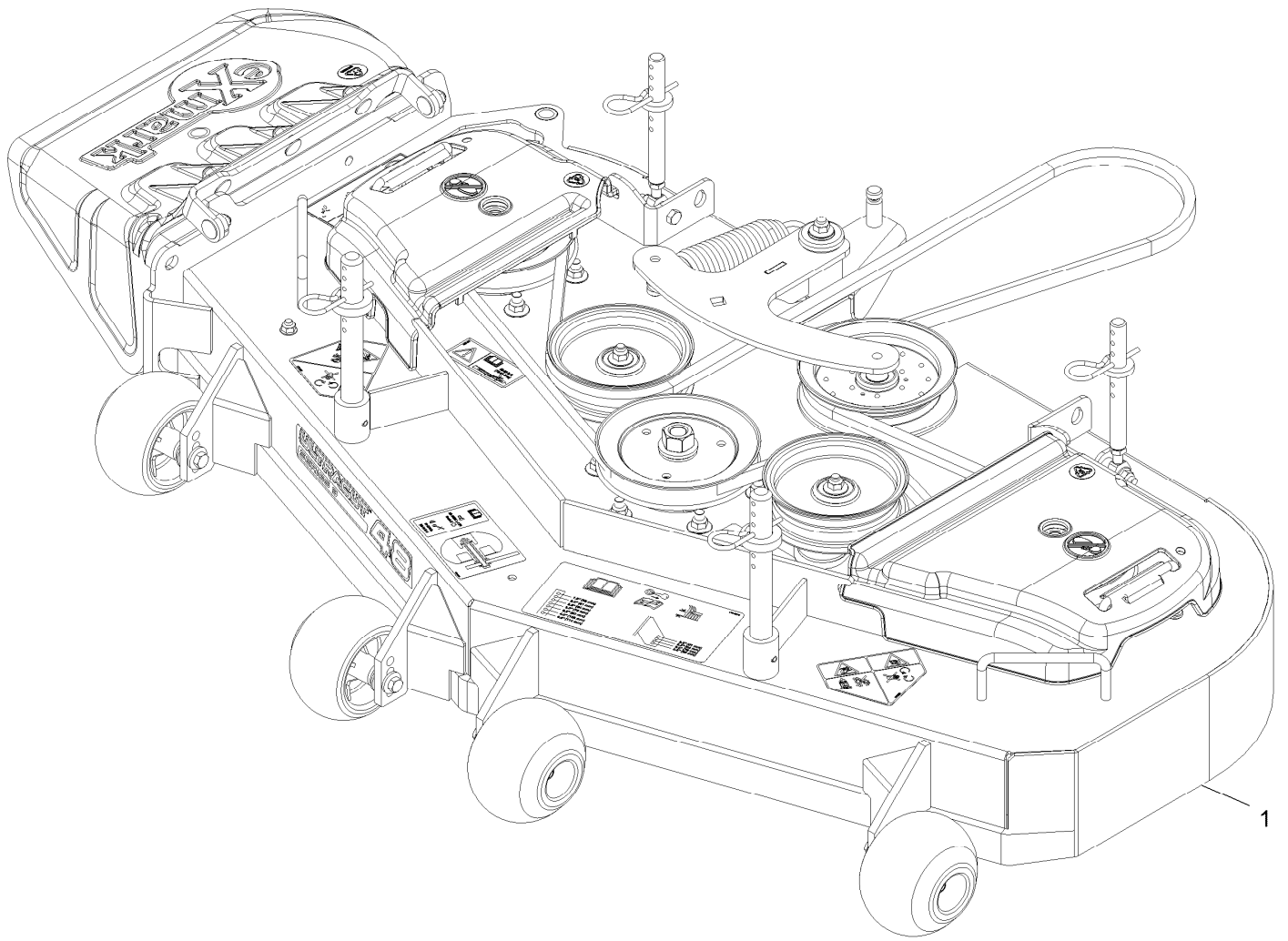
Exmark black touch up spray paint – gloss black.

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

# Contents

- Complete Deck Assembly . . . . . 4
- Deck Assembly . . . . . 6
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- Deck Idler Assembly No. 126-2314 . . . . . 10
- Main Frame Assembly . . . . . 12
- Engine Deck Assembly . . . . . 14
- Handle Assembly . . . . . 16
- Controls Assembly . . . . . 18
- Engine Assembly . . . . . 20
- Fuel Tank Assembly . . . . . 22
- Ground Drive Assembly . . . . . 24
- Pump Idler Assembly No. 126-0615 . . . . . 26
- Electrical Assembly . . . . . 28

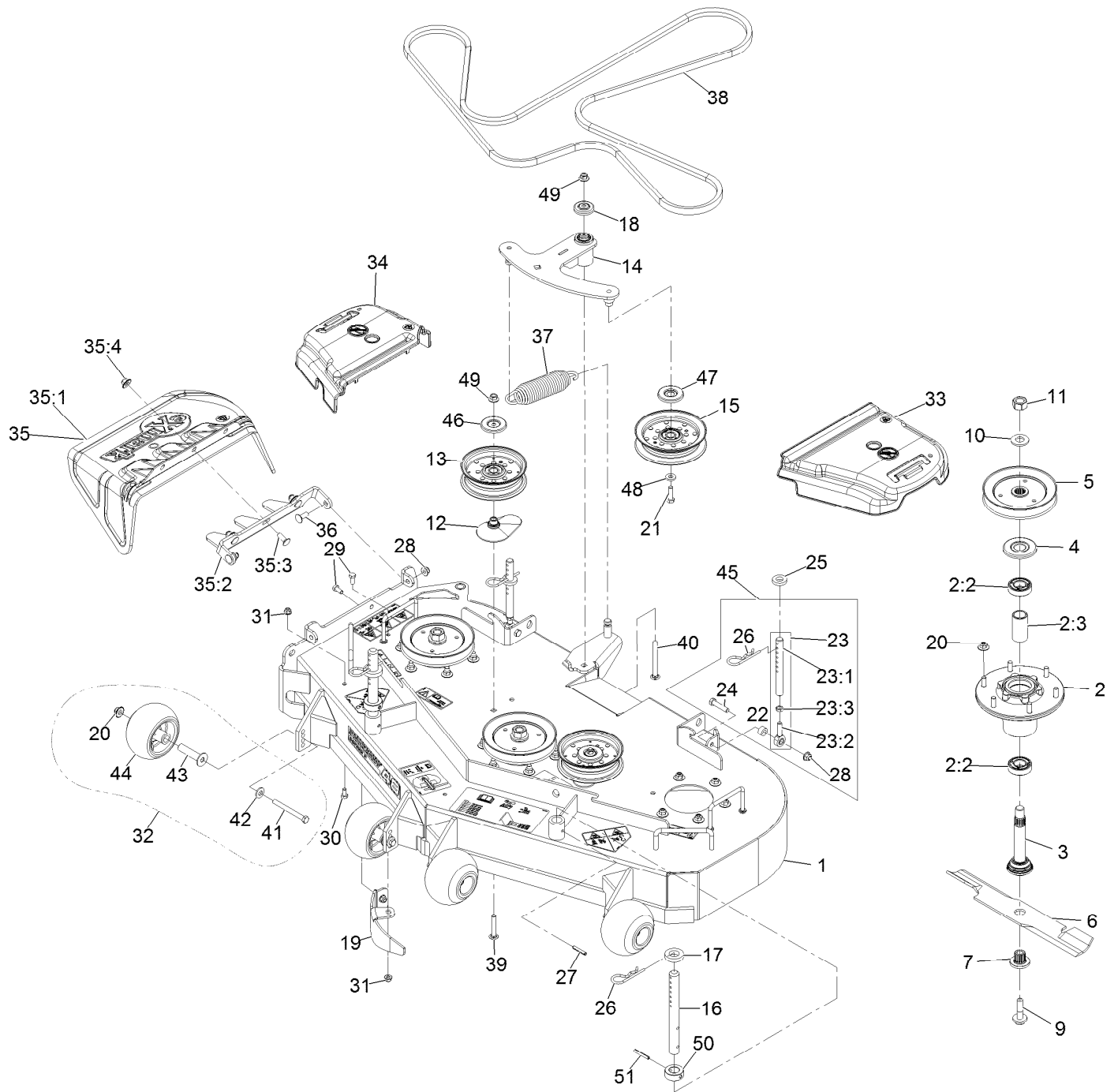
# Complete Deck Assembly



## Complete Deck Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>   |
|-------------|--------------------|-------------|----------------------|
| 1           | 126-1909           | 1           | ASM-Complete Deck 48 |

# Deck Assembly



## Deck Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>              | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>              |
|-------------|--------------------|-------------|---------------------------------|-------------|--------------------|-------------|---------------------------------|
| 1           | 126-0781           | 1           | ASM, Deck 48" W/Decals          | 24          | 323-9              | 2           | Screw-HH 3/8-16 X 1 3/4         |
| 2           | 116-3344           | 3           | ASM-Cutter Hsg With Bearings    | 25          | 1-323539           | 2           | Spacer-Blade Drive              |
| 2:2         | 116-0720           | 2           | Bearing-Ball                    | 26          | 1-806009           | 4           | Hairpin-Cotter #206             |
| 2:3         | 116-3312           | 1           | Spacer-Bearing                  | 27          | 1-806332           | 2           | Rollpin 1/4 X 1 1/2             |
| 3           | 116-3342           | 3           | ASM-Spindle And Seal □          | 28          | 104-8301           | 4           | Nut-Nyloc 3/8-16 Flg            |
| 4           | 116-1286           | 3           | Guard,Bearing Top .989          | 29          | 322-3              | 2           | Screw-HH 5/16-18 X 3/4          |
| 5           | 116-0674           | 3           | Sheave,Blade Drive 5.90         | 30          | 322-2              | 1           | Screw-HH 5/16-18 X 5/8          |
| 6           | 103-6381           | 3           | Blade, Solid ●                  | 31          | 104-8300           | 3           | Nut-Nyloc 5/16-18 Flg           |
| 6           | 103-6386           | 3           | Blade, Low Lift ●               | 32          | 116-9981           | 4           | Kit, Anti-Scalp Roller          |
| 6           | 103-6391           | 3           | Blade, Mulching ◆               | 33          | 109-6936           | 1           | Cover-Belt, LH                  |
| 6           | 103-6401           | 3           | Blade-Notched                   | 34          | 109-6935           | 1           | Cover-Belt, RH                  |
| 6           | 116-5177           | 3           | Blade-Extreme 2, 16.25" ●       | 35          | 126-0959           | 1           | ASM, Discharge Chute            |
| 7           | 103-3037           | 3           | Bushing, Splined                | 35:1        | 109-2738           | 1           | Chute, Discharge                |
| 9           | 109-9220           | 3           | Screw-Sems 1/2-20 X 2.19<br>■ ○ | 35:2        | 126-0958-01        | 1           | Bracket, Discharge Chute        |
| 10          | 103-2802           | 3           | Washer-Spring Disc 3/4          | 35:3        | 3231-22            | 3           | Bolt-Carriage 3/8-16 X 1        |
| 11          | 116-7306           | 3           | Nut-Hex ▲                       | 35:4        | 109-6658           | 3           | Nut-Nyloc 3/8-16 Flg            |
| 12          | 109-2872           | 2           | Spacer-Pulley                   | 36          | 3231-22            | 2           | Bolt-Carriage 3/8-16 X 1        |
| 13          | 126-9197           | 2           | Idler-Pulley, Flat 5.00X1.31    | 37          | 116-6317           | 1           | Spring-Extension                |
| 14          | 126-2314           | 1           | ASM, Deck Idler                 | 38          | 126-0783           | 1           | Belt, Deck                      |
| 15          | 126-9196           | 1           | Idler-Pulley, Flat              | 39          | 3231-40            | 2           | Bolt-Carriage 3/8-16 X 2 1/4    |
| 16          | 135-7043           | 2           | Rod, Deck Support Tts           | 40          | 3231-24            | 1           | Bolt-Carriage 3/8-16 X 3 3/4    |
| 17          | 1-413425           | 2           | Spacer-Deck Support             | 41          | 116-9362           | 4           | Screw-HH 3/8-16 X 3 3/4<br>GR 8 |
| 18          | 103-2916           | 1           | Guard-Top                       | 42          | 98-5975            | 4           | Washer-Spring Disc 3/8          |
| 19          | 126-2782-01        | 1           | Baffle, Dogleg                  | 43          | 116-8131           | 4           | Axle, Roller                    |
| 20          | 109-6658           | 22          | Nut-Nyloc 3/8-16 Flg            | 44          | 103-8415           | 4           | Roller-Anti-Scalp               |
| 21          | 323-7              | 1           | Screw-HH 3/8-16 X 1 1/4         | 45          | 1-411532           | 2           | Kit, Support Link W/Pin         |
| 22          | 1-603050           | 2           | Spacer                          | 46          | 126-8043           | 2           | Shield-Dust                     |
| 23          | 1-414521           | 2           | Link Assy                       | 47          | 126-9195           | 1           | Shield-Guard, Dust              |
| 23:1        | 1-413525           | 1           | Link, Rear Deck Support         | 48          | 43-0940            | 1           | Spacer                          |
| 23:2        | 1-613204           | 1           | Balljoint                       | 49          | 32128-19           | 3           | Nut-Hex 3/8-16 Side Lock        |
| 23:3        | 3220-3             | 1           | Nut-Jam 3/8-24                  | 50          | 135-4828           | 2           | Collar, Deck Height Pin         |
|             |                    |             |                                 | 51          | 32121-32           | 2           | Rollpin 1/4 X 1 3/4             |

● Optional Equipment

▲ Torque to 130-160 ft-lb

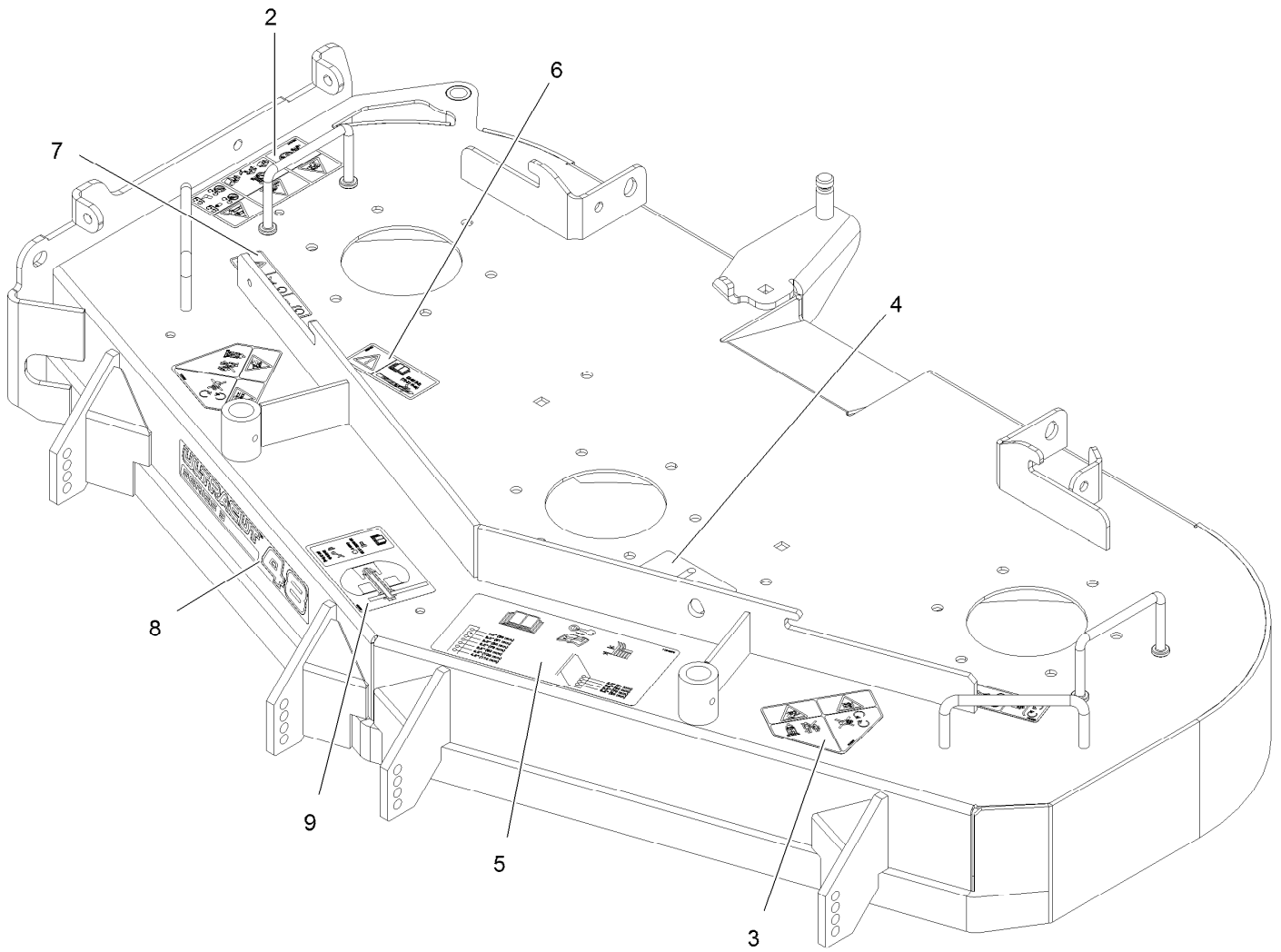
◆ Requires installation of mulch kit for proper mulching. See your Exmark dealer for details.

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

○ Apply lubricant to threads as needed to prevent seizing. Copper based anti-seize preferable. Grease is an acceptable substitute.

■ Torque to 50-60 ft-lb

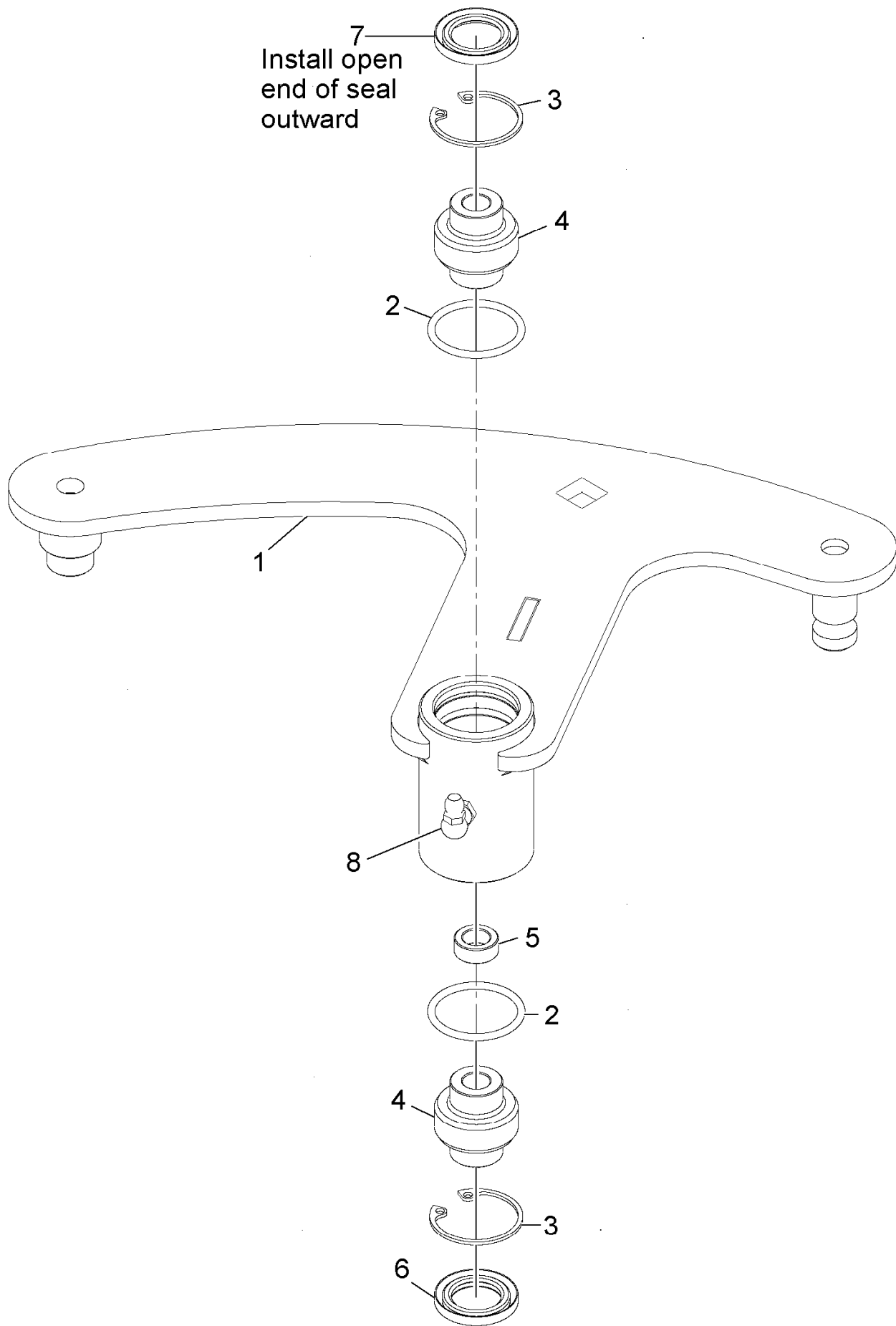
# Deck W/Decals Assembly



## Deck W/Decals Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>       | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>         |
|-------------|--------------------|-------------|--------------------------|-------------|--------------------|-------------|----------------------------|
| 2           | 135-5210           | 1           | Decal-Warning Thrown Obj | 6           | 116-8283           | 1           | Decal-Torque, Bolt         |
| 3           | 112-8760           | 2           | Decal-Danger             | 7           | 112-9028           | 3           | Decal-Cover, Missing       |
| 4           | 116-8727           | 1           | Decal-Belt Routing       | 8           | 126-6746           | 1           | Decal-Ultracut 48 Series 3 |
| 5           | 116-8278           | 1           | Decal-Anti-Scalp         | 9           | 126-0898           | 1           | Decal-Roller Mounting      |

# Deck Idler Assembly No. 126-2314



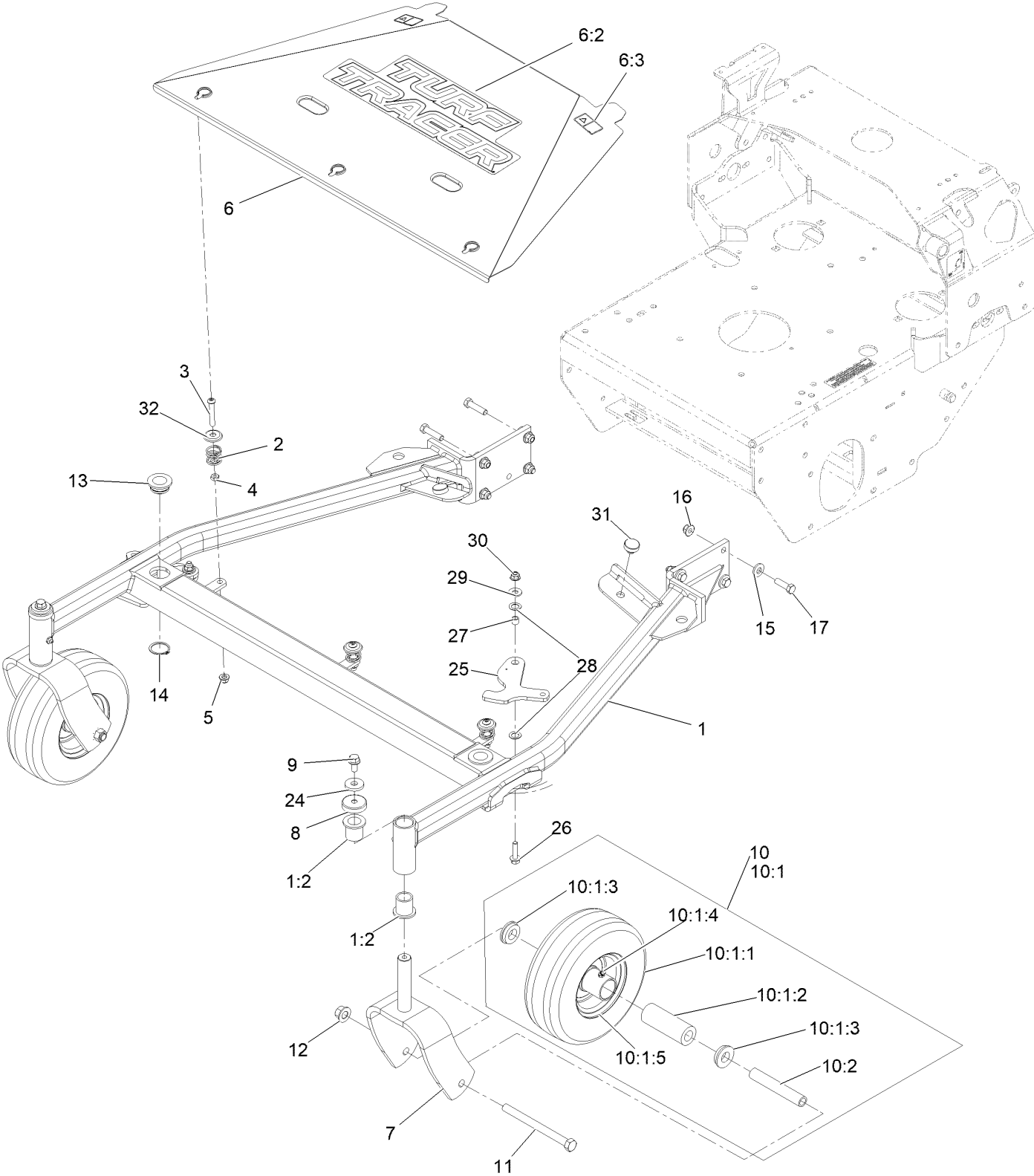
## Deck Idler Assembly No. 126-2314 (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           |                    | 1           | Weld, Idler Arm ●  |
| 2           | 106-7159           | 2           | O-Ring             |
| 3           | 32120-10           | 2           | Ring-Snap          |
| 4           | 103-3504           | 2           | Bearing-Spherical  |

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>     |
|-------------|--------------------|-------------|------------------------|
| 5           | 103-5677           | 1           | Spacer                 |
| 6           | 103-3505           | 1           | Seal-Lip, Double       |
| 7           | 103-3506           | 1           | Seal-Lip, Single       |
| 8           | 302-40             | 1           | Fitting-Grease, 90 DEG |

● Not serviced separately

# Main Frame Assembly

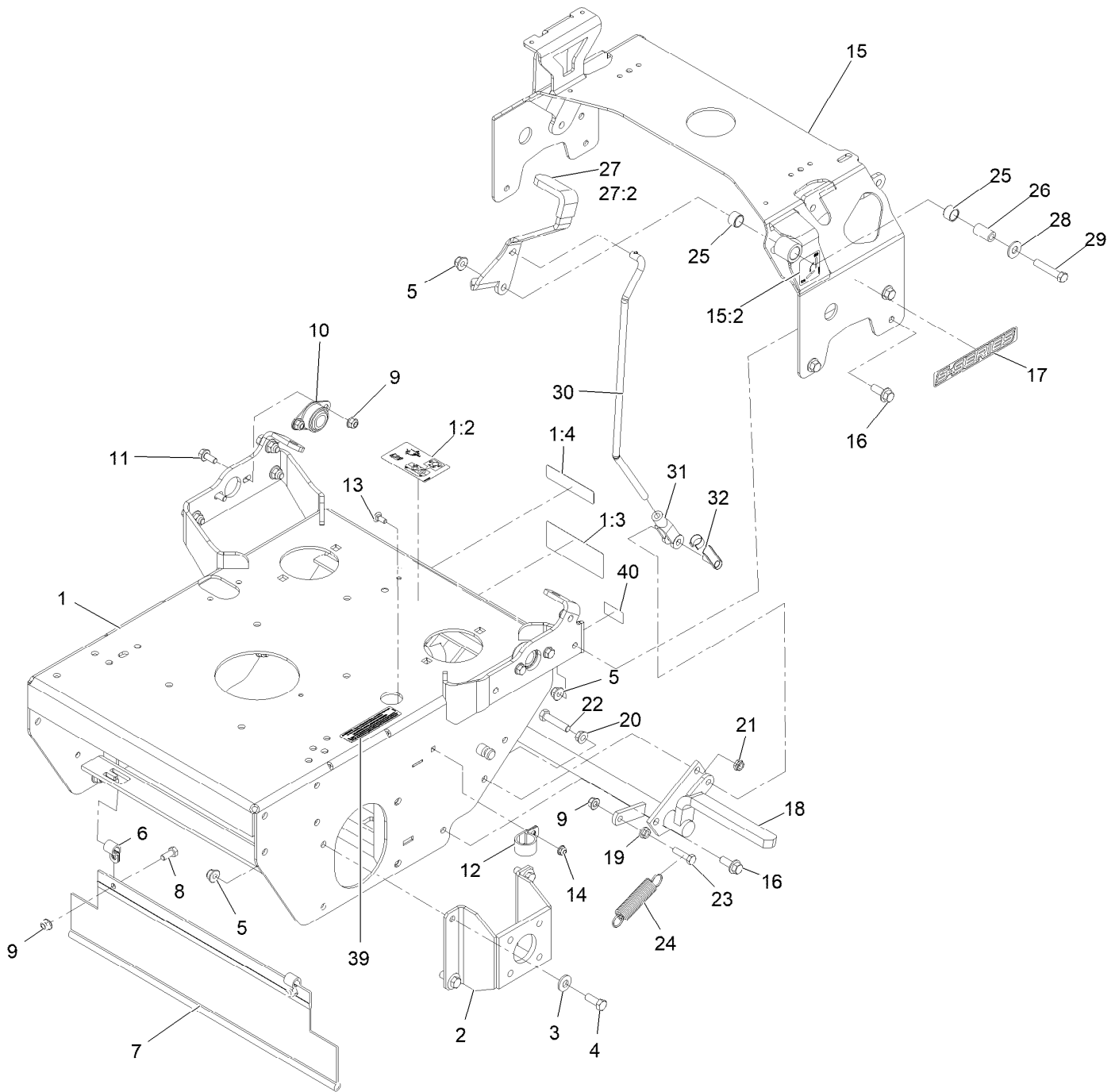


## Main Frame Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                    | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>        |
|-------------|--------------------|-------------|---------------------------------------|-------------|--------------------|-------------|---------------------------|
| 1           | 142-7666           | 1           | ASM-48" Tts Front Frame               | 10:1:3      | 1-513810           | 2           | Bushing-Flanged           |
| 1:2         | 1-303514           | 4           | Bearing-Flanged                       | 10:1:4      | 302-61             | 1           | Zerk-45° 1/4-28           |
| 2           | 126-1503           | 2           | Spring                                | 10:1:5      |                    | 1           | Wheel ●                   |
| 3           | 120-5499           | 2           | Screw-Button Head 5/16-18 X 2.00      | 10:2        | 1-513547           | 1           | Spacer                    |
| 4           | 3218-2             | 2           | Nut-Jam 5/16-18                       | 11          | 325-20             | 2           | Screw-HH 1/2-13 X 6       |
| 5           | 104-8300           | 2           | Nut-Nyloc 5/16-18 Flg                 | 12          | 99-5107            | 2           | Nut-Lock 1/2-13           |
| 6           | 142-7661           | 1           | ASM-48" Tts Center Shield             | 13          | 1-513336           | 2           | Bushing-Deck              |
| 6:2         | 126-6892           | 1           | Decal-Turf Tracer                     | 14          | 32120-33           | 2           | Ring-Retaining            |
| 6:3         | 106-5517           | 2           | Decal-Warning                         | 15          | 98-5975            | 8           | Washer-Spring Disc 3/8    |
| 7           | 116-7941-01        | 2           | Fork, Caster                          | 16          | 104-8301           | 8           | Nut-Nyloc 3/8-16 Flg      |
| 8           | 126-1425           | 2           | Cap, Dust                             | 17          | 323-7              | 8           | Screw-HH 3/8-16 X 1 1/4   |
| 9           | 110-1718           | 2           | Screw-Hex Flange 3/8-16 X 3/4         | 24          | 1-373034           | 2           | Washer                    |
| 10          | 1-513547           | 2           | Spacer                                | 25          | 135-4827-01        | 2           | Latch, Deck Height        |
| 10          | 103-2171           | 2           | Kit, Semi-Pneumatic Wheel Replacement | 26          | 119-4036           | 2           | Screw-HHF 5/16-18 X 1 1/4 |
| 10:1        |                    | 1           | Wheel And Tire ASM ●                  | 27          | 136-7148           | 2           | Spacer-Grommet            |
| 10:1:1      |                    | 1           | Tire ●                                | 28          | 116-4280           | 4           | Washer-Conical            |
| 10:1:2      | 1-513809           | 1           | Bearing                               | 29          | 3256-3             | 2           | Washer-5/16 Std           |
|             |                    |             |                                       | 30          | 104-8300           | 2           | Nut-Nyloc 5/16-18 Flg     |
|             |                    |             |                                       | 31          | 104-1412           | 2           | Bumper-Rubber             |
|             |                    |             |                                       | 32          | 66-6310            | 2           | Washer-Cup                |

● Not serviced separately

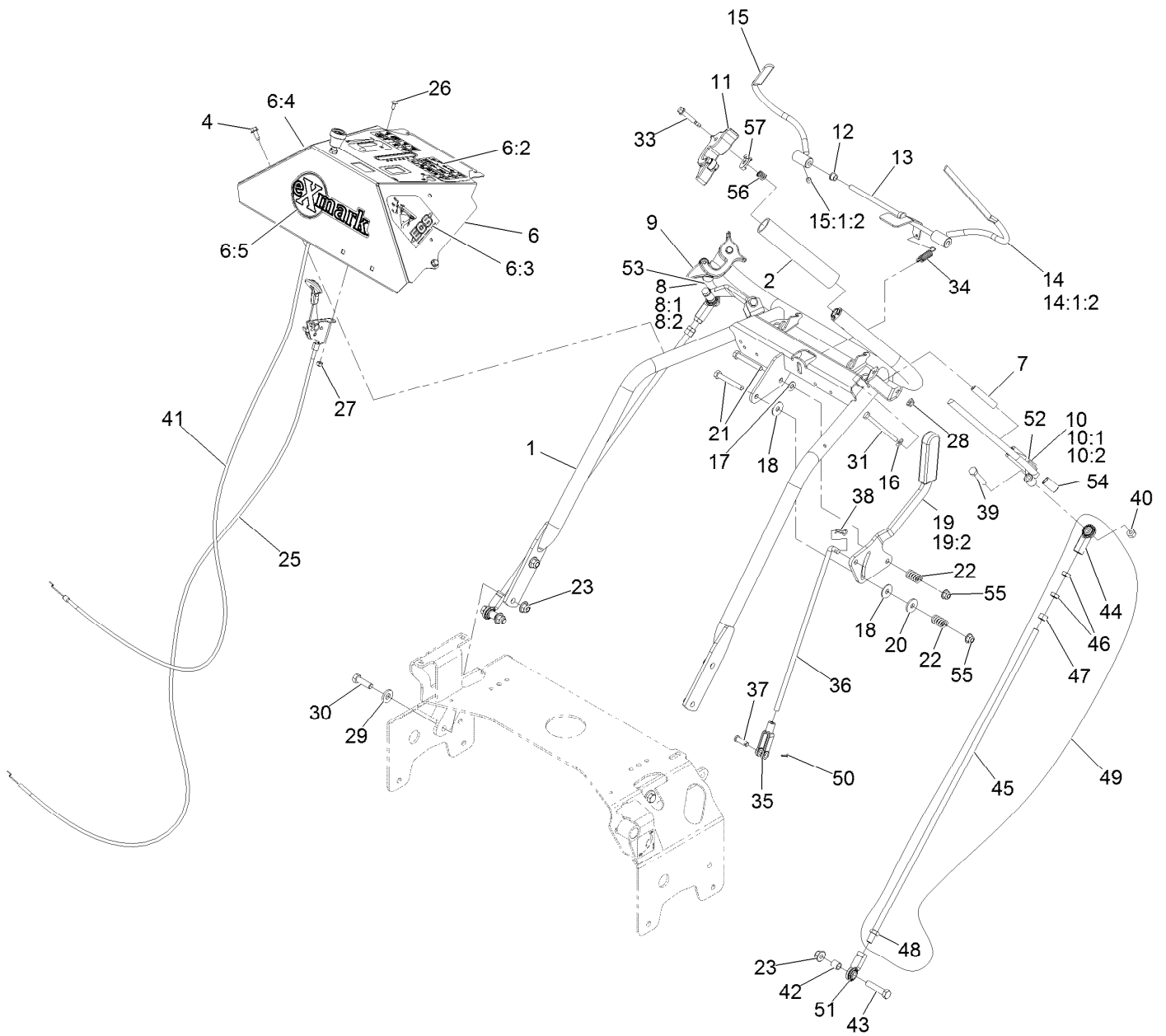
# Engine Deck Assembly



## Engine Deck Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>            | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>       |
|-------------|--------------------|-------------|-------------------------------|-------------|--------------------|-------------|--------------------------|
| 1           | 126-1238           | 1           | ASM, Engine Deck W/<br>Decals | 16          | 3234-42            | 9           | Screw HHF 3/8-16 X 1     |
| 1:2         | 116-8253           | 1           | Decal-Drive Release           | 17          | 126-6572           | 2           | Decal-S-Series           |
| 1:3         | 126-1400           | 1           | Decal-Warning, Sulky          | 18          | 116-9964           | 1           | Brake                    |
| 1:4         | 98-1977            | 1           | Decal-Warning                 | 19          | 32128-20           | 1           | Nut-Whizlock 5/16-18     |
| 2           | 1-412082-01        | 2           | Mount-Wheel Motor             | 20          | 3290-357           | 1           | Nut-Whizlock 3/8-16      |
| 3           | 98-5975            | 8           | Washer-Spring Disc 3/8        | 21          | 3296-59            | 1           | Nut-Nyloc 3/8-16 Thin    |
| 4           | 323-6              | 8           | Screw-HH 3/8-16 X 1           | 22          | 323-9              | 1           | Screw-HH 3/8-16 X 1 3/4  |
| 5           | 104-8301           | 18          | Nut-Nyloc 3/8-16 Flg          | 23          | 322-6              | 1           | Screw-HH 5/16-18 X 1 1/4 |
| 6           | 1-413510           | 2           | Clip-Loom                     | 24          | 1-323161           | 1           | Spring                   |
| 7           | 103-2056           | 1           | Shield-Drag                   | 25          | 1-413347           | 2           | Sleeve-Bushing           |
| 8           | 322-3              | 2           | Screw-HH 5/16-18 X 3/4        | 26          | 1-413344           | 1           | Bushing-Pivot            |
| 9           | 104-8300           | 7           | Nut-Nyloc 5/16-18 Flg         | 27          | 126-2180           | 1           | ASM, Brake Lever W/ Grip |
| 10          | 1-633102           | 2           | Bearing-Flanged               | 27:2        | 1-303020           | 1           | Grip-Lever               |
| 11          | 3234-47            | 4           | Screw-HH Flg 5/16-18 X 3/4    | 28          | 3256-4             | 1           | Washer-3/8 Std           |
| 12          | 1-643312           | 1           | Clip-Loom                     | 29          | 323-10             | 1           | Screw-HH 3/8-16 X 2      |
| 13          | 3229-11            | 1           | Bolt-Carriage 1/4-20 X 5/8    | 30          | 116-9959           | 1           | Linkage, Brake           |
| 14          | 104-7201           | 1           | Nut-Nyloc 1/4-20 Flg          | 31          | 1-633131           | 1           | Yoke-Linkage, Brake      |
| 15          | 142-8015           | 1           | ASM-Tank Support              | 32          | 103-2399           | 1           | Pin-Clevis Spring 3/8    |
| 15:2        | 116-5988           | 1           | Decal-Park Brake, CE          | 39          | 133-8062           | 1           | Decal-Arrestor, Spark    |
|             |                    |             |                               | 40          | 126-4345           | 1           | Decal-Patent             |

# Handle Assembly



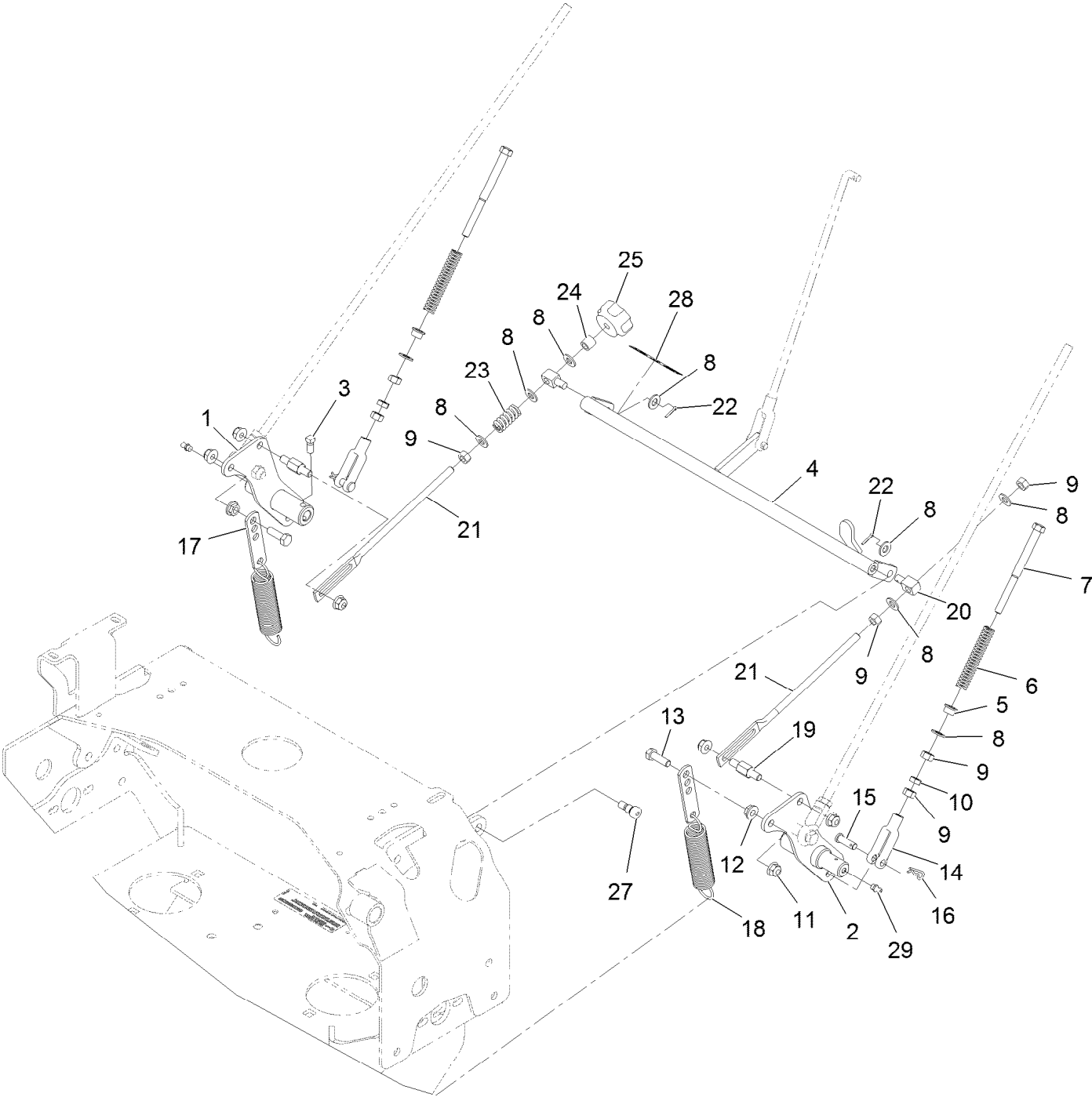
## Handle Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>        | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>         |
|-------------|--------------------|-------------|---------------------------|-------------|--------------------|-------------|----------------------------|
| 1           | 126-2642-03        | 1           | Weld, Handle              | 25          | 109-3958           | 1           | Control-Throttle           |
| 2           | 103-0815           | 2           | Grip-Bar, Handle          | 26          | 1-807513           | 2           | Bolt-Carriage #10-24 X 1/2 |
| 4           | 32144-10           | 2           | Screw-HWH 1/4-20 X .62    | 27          | 3296-2             | 2           | Nut-Nyloc #10-24           |
| 6           | 126-4706           | 1           | ASM, Console W/ Decals    | 28          | 104-7201           | 2           | Nut-Nyloc 1/4-20 Flg       |
| 6:2         | 135-2860           | 1           | Decal-Console             | 29          | 98-5975            | 4           | Washer-Spring Disc 3/8     |
| 6:3         | 103-2242           | 1           | Decal, Ecs Instruction LH | 30          | 323-7              | 4           | Screw-HH 3/8-16 X 1 1/4    |
| 6:4         | 103-2243           | 1           | Decal, Ecs Instruction RH | 31          | 321-14             | 2           | Screw-HH 1/4-20 X 2 3/4    |
| 6:5         | 126-6877           | 1           | Decal, Exmark Logo        | 33          | 126-2931           | 2           | Screw-Shoulder             |
| 7           | 103-0027           | 2           | Bushing-Lever, Drive      | 34          | 1-303363           | 1           | Spring-Extension           |
| 8           | 103-2513           | 1           | Asm, Drive Lever RH       | 35          | 1-303105           | 1           | Yoke-Adjustable            |
| 8:1         | 116-4082           | 1           | Wld,RH Drive Lever        | 36          | 1-413225           | 1           | Rod, Speed Control         |
| 8:2         | 126-9366           | 2           | Bushing, Sleeve           | 37          | 1-808280           | 1           | Pin-Clevis 5/16 X 1 49/64  |
| 9           | 103-1371           | 1           | Thumb Latch Asm RH        | 38          | 1-806003           | 1           | Hairpin-Cotter             |
| 10          | 103-2514           | 1           | Asm, Drive Lever LH       | 39          | 322-9              | 2           | Screw-HH 5/16-18 X 1 3/4   |
| 10:1        | 116-4081           | 1           | Wld,LH Drive Lever        | 40          | 3296-29            | 2           | Nut-Nyloc 5/16-18          |
| 10:2        | 126-9366           | 2           | Bushing, Sleeve           | 41          | 126-2107           | 1           | Cable, Choke               |
| 11          | 103-1372           | 1           | Thumb Latch Asm LH        | 42          | 103-1166           | 2           | Spacer-Tube, Pump Link     |
| 12          | 1-303365           | 2           | Bushing-Nylon             | 43          | 323-9              | 2           | Screw-HH 3/8-16 X 1 3/4    |
| 13          | 103-0769-03        | 1           | Rod Weldment, OPC         | 44          | 103-2463           | 2           | Balljoint                  |
| 14          | 116-4079           | 1           | Wld,LH OPC Lever ■        | 45          | 103-1148           | 2           | Rod,Drive Lever            |
| 14:1:2      | 1-803322           | 1           | Setscrew-5/16-24 X 5/16 ● | 46          | 3220-3             | 4           | Nut-Jam 3/8-24             |
| 15          | 116-4080           | 1           | Wld,RH OPC Lever ■        | 47          | 3219-3             | 2           | Nut-Hex 3/8-24             |
| 15:1:2      | 1-803322           | 1           | Setscrew-5/16-24 X 5/16 ● | 48          | 3220-16            | 2           | Nut-Jam 3/8-24 LH          |
| 16          | 3256-22            | 2           | Washer-1/4 SAE            | 49          | 116-3414           | 2           | Drive Link ASM             |
| 17          | 3256-23            | 1           | Washer-5/16 SAE           | 50          | 3272-5             | 1           | Pin-Cotter 3/32 X 1/2      |
| 18          | 1-323244           | 2           | Washer-Friction           | 51          | 103-1167           | 2           | Joint-Ball End             |
| 19          | 126-0148           | 1           | Lever, Shift W/Grip       | 52          | 116-4081           | 1           | Wld,LH Drive Lever         |
| 19:2        | 103-5994           | 1           | Grip-Handle, Steering     | 53          | 116-4082           | 1           | Wld,RH Drive Lever         |
| 20          | 1-603716           | 1           | Washer-Friction Disc      | 54          | 126-9366           | 4           | Bushing, Sleeve            |
| 21          | 322-11             | 2           | Screw-HH 5/16-18 X 2 1/4  | 55          | 104-8300           | 2           | Nut-Nyloc 5/16-18 Flg      |
| 22          | 1-323245           | 2           | Spring-Compression        | 56          | 1-633349           | 2           | Spring-Compression         |
| 23          | 104-8301           | 6           | Nut-Nyloc 3/8-16 Flg      | 57          | 126-2921           | 2           | Latch, Ecs                 |

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

■ Use Pro-Lock retaining type, Part no. 1-840023 (.5cc tube) on inside of bore of OPC hub.

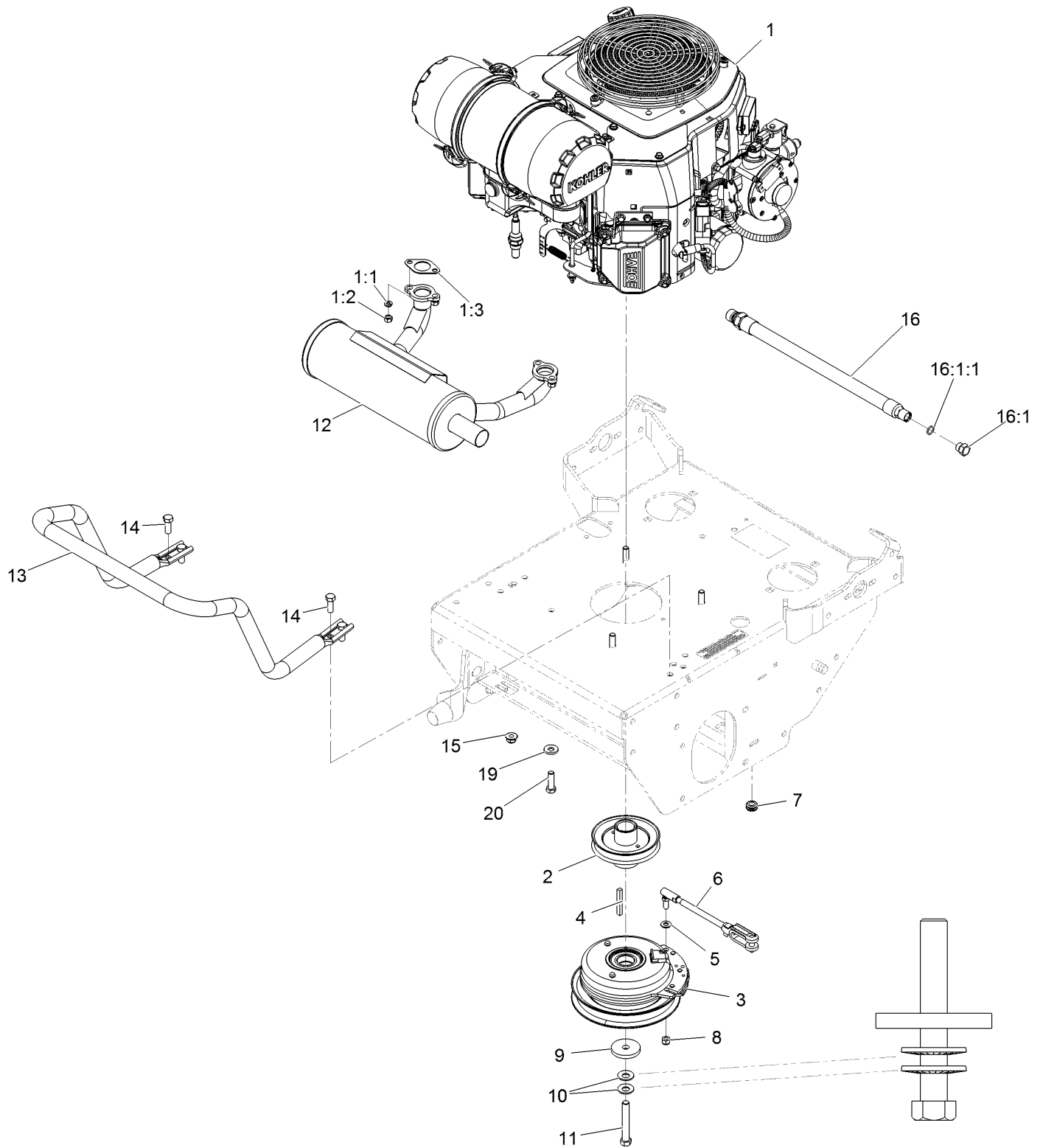
Controls Assembly



## Controls Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>       | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>        |
|-------------|--------------------|-------------|--------------------------|-------------|--------------------|-------------|---------------------------|
| 1           | 116-9975           | 1           | Weld, Motion Control, Rt | 15          | 1-808280           | 2           | Pin-Clevis 5/16 X 1 49/64 |
| 2           | 116-9974           | 1           | Weld, Motion Control, Lt | 16          | 1-806003           | 2           | Hairpin-Cotter            |
| 3           | 1-803022           | 2           | Setscrew-5/16-18 X 5/8   | 17          | 1-613089           | 2           | Tab-Spring, Extension     |
| 4           | 126-2982-01        | 1           | Weld, Speed Control      | 18          | 1-603693           | 2           | Spring                    |
| 5           | 1-603735           | 2           | Bushing-Flanged          | 19          | 126-0610           | 2           | Pin, Motion Control       |
| 6           | 103-0265           | 2           | Spring, Neutral Return   | 20          | 126-8571           | 2           | Swivel-Adjustable, Short  |
| 7           | 1-603737           | 2           | Bolt-Neutral Return      | 21          | 1-413350           | 2           | Link-Control, Speed       |
| 8           | 3256-23            | 9           | Washer-5/16 SAE          | 22          | 3272-5             | 2           | Pin-Cotter 3/32 X 1/2     |
| 9           | 3219-2             | 7           | Nut-Hex 5/16-24          | 23          | 1-323245           | 1           | Spring-Compression        |
| 10          | 3220-2             | 2           | Nut-Jam 5/16-24          | 24          | 1-603903           | 1           | Spacer                    |
| 11          | 104-8300           | 6           | Nut-Nyloc 5/16-18 Flg    | 25          | 103-3060           | 1           | Knob-Tracking             |
| 12          | 32128-20           | 2           | Nut-Whizlock 5/16-18     | 27          | 1-809056           | 2           | Screw-Sh 5/16-18 X 1 3/8  |
| 13          | 322-5              | 2           | Screw-HH 5/16-18 X 1     | 28          | 116-7918           | 1           | Decal-Tracking Adjustment |
| 14          | 1-303105           | 2           | Yoke-Adjustable          | 29          | 302-19             | 2           | Zerk-1/4-28 Str           |

# Engine Assembly



## Engine Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>          | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>             |
|-------------|--------------------|-------------|-----------------------------|-------------|--------------------|-------------|--------------------------------|
| 1           |                    | 1           | Engine, Kawasaki 541Cc ■▲   | 10          | 1-603610           | 2           | Washer-Spring Disc 7/16        |
| 1:1         | 114-3550           | 4           | Washer-Spring Lock M8       | 11          | 3212-12            | 1           | Screw-HH 7/16-20 X 3 □         |
| 1:2         | 114-3549           | 4           | Nut-M8                      | 12          | 116-3735           | 1           | Muffler-Horizontal             |
| 1:3         | 1-653313           | 2           | Gasket-Exhaust              | 13          | 135-4729-03        | 1           | Tube-Guard Muffler             |
| 2           | 116-7328           | 1           | Sheave, W/ Hub              | 14          | 323-6              | 4           | Screw-HH 3/8-16 X 1            |
| 3           | 126-2615           | 1           | Clutch, 105 Ft/Lbs, 1.13    | 15          | 104-8301           | 4           | Nut-Nyloc 3/8-16 Flg           |
| 4           | 5-1336             | 1           | Key-Machine 1/4 X 1/4 X 2 ○ | 16          | 116-5052           | 1           | Asm-Oil Drain Hose W/Plug<br>◆ |
| 5           | 3256-23            | 1           | Washer-5/16 SAE             | 16:1        | 353-508            | 1           | Plug-W/O-Ring ●                |
| 6           | 126-0620           | 1           | ASM, Clutch Anchor          | 16:1:1      | 237-42             | 1           | O-Ring                         |
| 7           | 237-136            | 1           | Grommet                     | 19          | 98-5975            | 4           | Washer-Spring Disc 3/8         |
| 8           | 3296-4             | 1           | Nut-Lock 5/16-24            | 20          | 323-7              | 4           | Screw-HH 3/8-16 X 1 1/4        |
| 9           | 109-6919           | 1           | Washer-Clutch               |             |                    |             |                                |

● Torque to 20-24 ft-lb

■ Not serviced separately

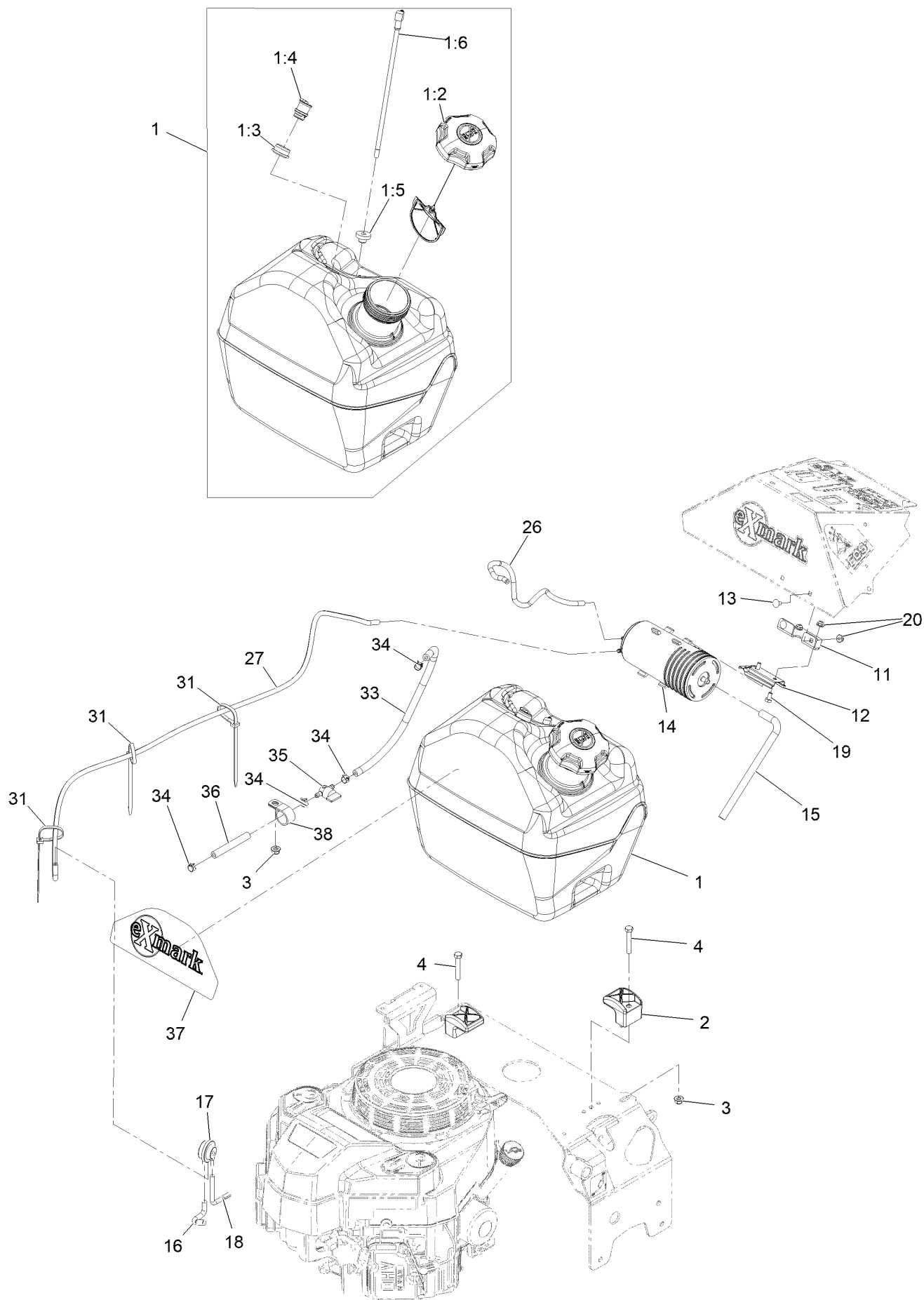
▲ Obtain parts from [www.kawpower.com](http://www.kawpower.com)

◆ Use a Teflon Pipe Sealant or equivalent on threads.

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

○ Apply anti-seize compound to engine crankshaft, pulley hub I.D., clutch bore I.D. and square key.

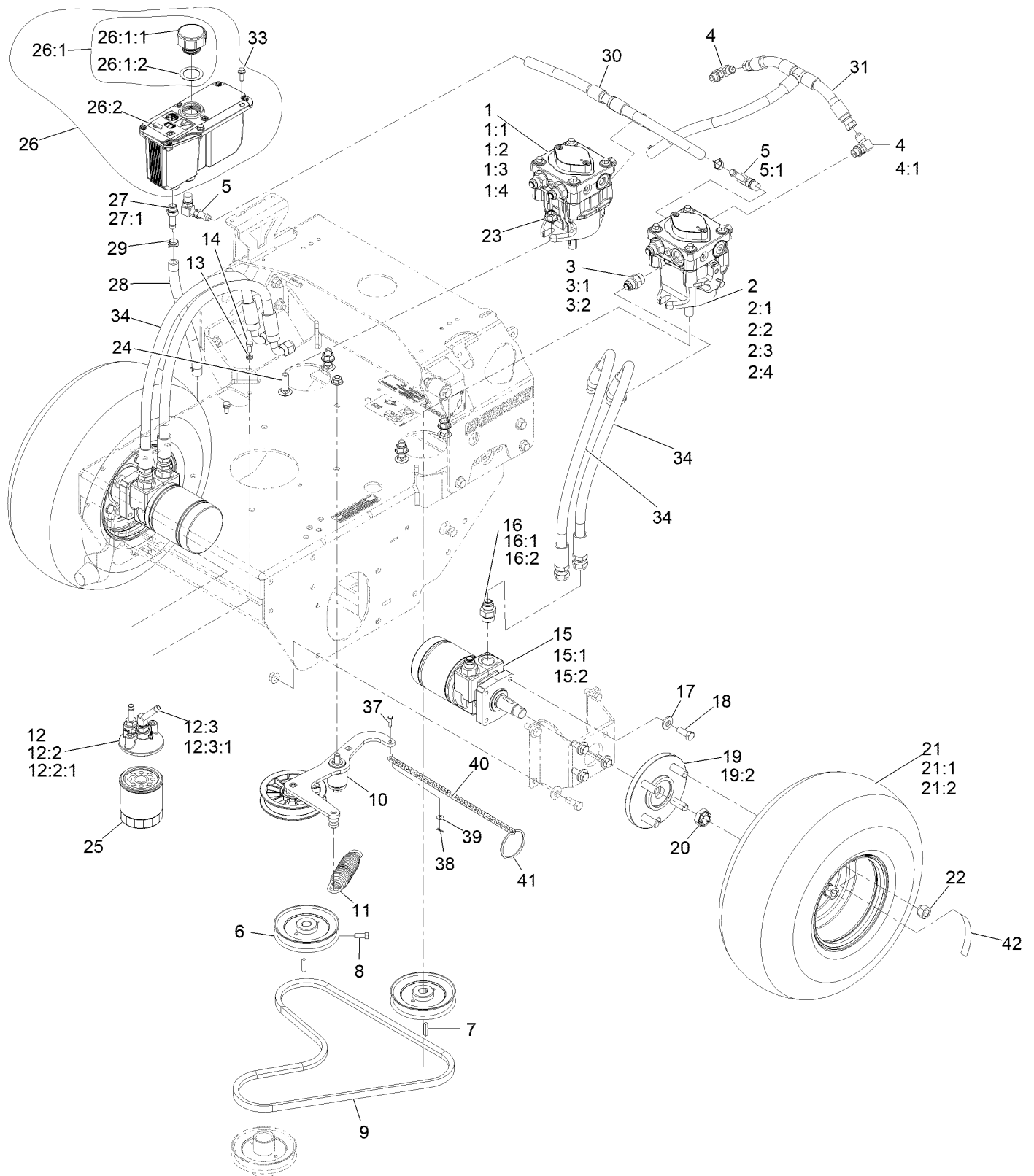
# Fuel Tank Assembly



## Fuel Tank Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                  | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>               |
|-------------|--------------------|-------------|-------------------------------------|-------------|--------------------|-------------|----------------------------------|
| 1           | 140-4343           | 1           | Fuel Tank ASM, 5 Gal                | 16          | 119-8502           | 1           | Hose-Vent, Formed                |
| 1:2         | 137-4119           | 1           | Cap-Fuel, Ratcheting                | 17          | 116-2232           | 1           | Valve-Control, Vacuum            |
| 1:3         | 114-0284           | 1           | Grommet                             | 18          | 119-8501           | 1           | Hose-Vent, Formed                |
| 1:4         | 119-3547           | 1           | Valve-Vent, Fuel                    | 19          | 321-2              | 2           | Screw-HH 1/4-20 X 1/2            |
| 1:5         | 46-6560            | 1           | Bushing                             | 20          | 104-7201           | 4           | Nut-Nyloc 1/4-20 Flg             |
| 1:6         | 109-9364           | 1           | Fitting-Fuel (W/Line And<br>Screen) | 26          | 116-4801           | 1           | Hose-Emissions                   |
| 2           | 107-4543           | 2           | Clamp                               | 27          | 116-3116           | 1           | Hose-Vent, Formed                |
| 3           | 104-8300           | 2           | Nut-Nyloc 5/16-18 Flg               | 31          | 3290-378           | 4           | Tie-Cable                        |
| 4           | 322-10             | 2           | Screw-HH 5/16-18 X 2                | 33          | 114-4428           | 1           | Hose-Fuel                        |
| 11          | 115-4486-01        | 1           | Bracket-Canister, Carbon            | 34          | 2412-98            | 4           | Clamp-Hose                       |
| 12          | 114-0292           | 1           | Bracket-Canister, Carbon            | 35          | 1-603770           | 1           | Valve-Fuel                       |
| 13          | 3229-10            | 2           | Bolt-Carriage 1/4-20 X 1/2          | 36          | 105-8342           | 1           | Hose-Fuel                        |
| 14          | 117-1221           | 1           | Canister-Carbon, 800Cc              | 37          | 135-2822           | 1           | Artwork-Exmark Logo Fuel<br>Tank |
| 15          | 115-0962           | 1           | Hose-Vent, Canister                 | 38          | 1-643312           | 1           | Clip-Loom                        |

# Ground Drive Assembly



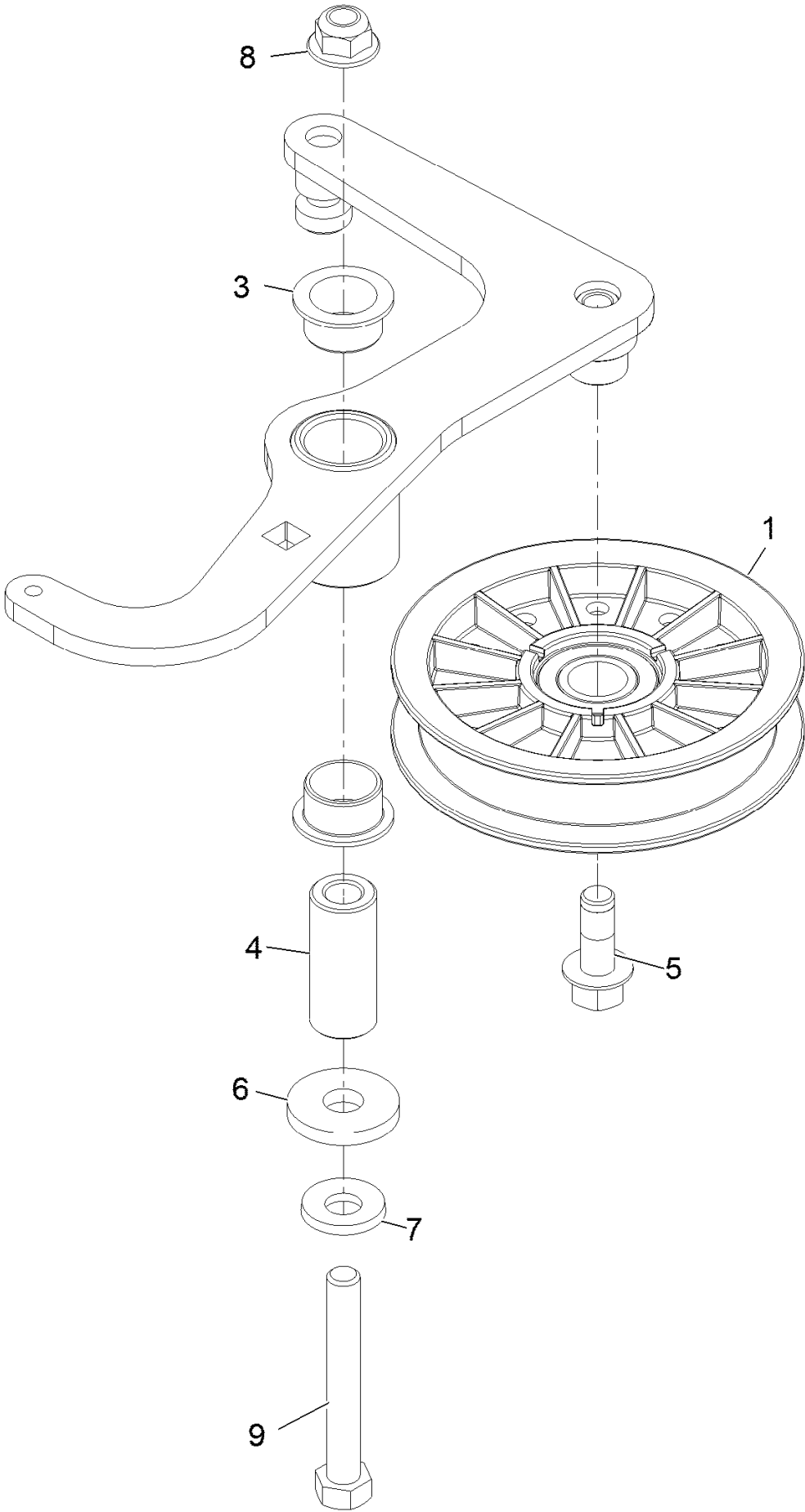
## Ground Drive Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>           | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>            |
|-------------|--------------------|-------------|------------------------------|-------------|--------------------|-------------|-------------------------------|
| 1           | 116-0943           | 1           | RH HYD Pump ASM              | 16:1        | 237-80             | 1           | O-Ring                        |
| 1:1         | 103-2664           | 1           | Input Shaft Kit              | 16:2        | 1-603992           | 1           | O-Ring-37 Flare #8            |
| 1:2         | 94-6922            | 1           | Bearing-Thrust               | 17          | 98-5975            | 8           | Washer-Spring Disc 3/8        |
| 1:3         | 103-2666           | 1           | Cylinder Block Kit           | 18          | 323-6              | 8           | Screw-HH 3/8-16 X 1           |
| 1:4         | 105-6184           | 1           | Seal Overhaul Kit            | 19          | 112-9049           | 2           | Wheel Hub ASM                 |
| 2           | 116-0942           | 1           | LH HYD Pump ASM              | 19:2        | 1-633926           | 4           | Stud-Wheel                    |
| 2:1         | 103-2664           | 1           | Input Shaft Kit              | 20          | 116-2839           | 2           | Nut-Lock                      |
| 2:2         | 94-6922            | 1           | Bearing-Thrust               | 21          | 1-613263           | 2           | Wheel And Tire ASM            |
| 2:3         | 103-2666           | 1           | Cylinder Block Kit           | 21:1        | 1-613264           | 1           | Tire-Turfmaster               |
| 2:4         | 105-6184           | 1           | Seal Overhaul Kit            | 21:2        | 1-603715           | 1           | Rim-Wheel                     |
| 3           | 1-603990           | 4           | Adapter-Straight             | 22          | 242-50             | 8           | Nut-Lug 1/2-20                |
| 3:1         | 1-603920           | 1           | O-Ring-SAE #8                | 23          | 114-8417           | 4           | Nut-HF, NI                    |
| 3:2         | 1-603992           | 1           | O-Ring-37 Flare #8           | 24          | 3232-3             | 4           | Bolt-Carriage 7/16-14 X 1 1/2 |
| 4           | 103-1802           | 2           | Fitting-Elbow, 90 DEG        | 25          | 109-4180           | 1           | Element, Oil Filter           |
| 4:1         | 237-42             | 1           | O-Ring                       | 26          | 126-1248           | 1           | ASM, HYD Reservoir ■          |
| 5           | 100-4887           | 3           | Fitting-Elbow, 90            | 26:1        |                    | 1           | Reservoir-HYD ●               |
| 5:1         | 237-42             | 1           | O-Ring                       | 26:1:1      | 103-1948           | 1           | Cap-Reservoir, HYD            |
| 6           | 1-413010           | 2           | Sheave ASM                   | 26:1:2      | 103-1949           | 1           | Gasket-Cap                    |
| 7           | 1-807272           | 2           | Key-5Mm X 5Mm X 25Mm         | 26:2        | 115-4212           | 1           | Decal-Warning                 |
| 8           | 120-6474           | 4           | Screw-Set, SQH 5/16-18 X 3/4 | 27          | 103-1912           | 1           | Adapter-Straight              |
| 9           | 103-4761           | 1           | Belt                         | 27:1        | 237-42             | 1           | O-Ring                        |
| 10          | 126-0615           | 1           | ASM, Pump Idler              | 28          | 103-2959           | 1           | Hose-Charge                   |
| 11          | 116-6316           | 1           | Spring-Extension             | 29          | 103-1988           | 6           | Clamp-Hose 11/16              |
| 12          | 126-0621           | 1           | ASM, Filter Head             | 30          | 126-0623           | 1           | Hose-Case Drain               |
| 12:2        | 103-1912           | 1           | Adapter-Straight             | 31          | 126-0622           | 1           | Hose-Charge                   |
| 12:2:1      | 237-42             | 1           | O-Ring                       | 33          | 32144-44           | 2           | Screw-HWH 1/4-20 X 3/4        |
| 12:3        | 103-1807           | 1           | Fitting-Barbed, 45 DEG       | 34          | 119-7827           | 4           | HYD Hose ASM                  |
| 12:3:1      | 237-42             | 1           | O-Ring                       | 37          | 283-16             | 1           | Pin-Clevis                    |
| 13          | 1-805004           | 2           | Washer-Lock 1/4 Heavy        | 38          | 108-2992           | 1           | Pin-Hair                      |
| 14          | 321-3              | 2           | Screw-HH 1/4-20 X 5/8        | 39          | 3269-26            | 1           | Washer-Plain                  |
| 15          | 1-603718           | 2           | HYD Motor ASM                | 40          | 1-323365           | 1           | Chain-Link, Twist             |
| 15:1        | 1-000119           | 1           | Seal Kit                     | 41          | 1-323366           | 1           | Ring-Split                    |
| 15:2        | 1-000138           | 1           | Bearing And Seal Kit         | 42          | 126-2056           | 2           | Decal-Torque Wheel Lug-Hub    |
| 16          | 1-603991           | 4           | Adapter-Straight             |             |                    |             |                               |

● Not serviced separately

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

Pump Idler Assembly No. 126-0615

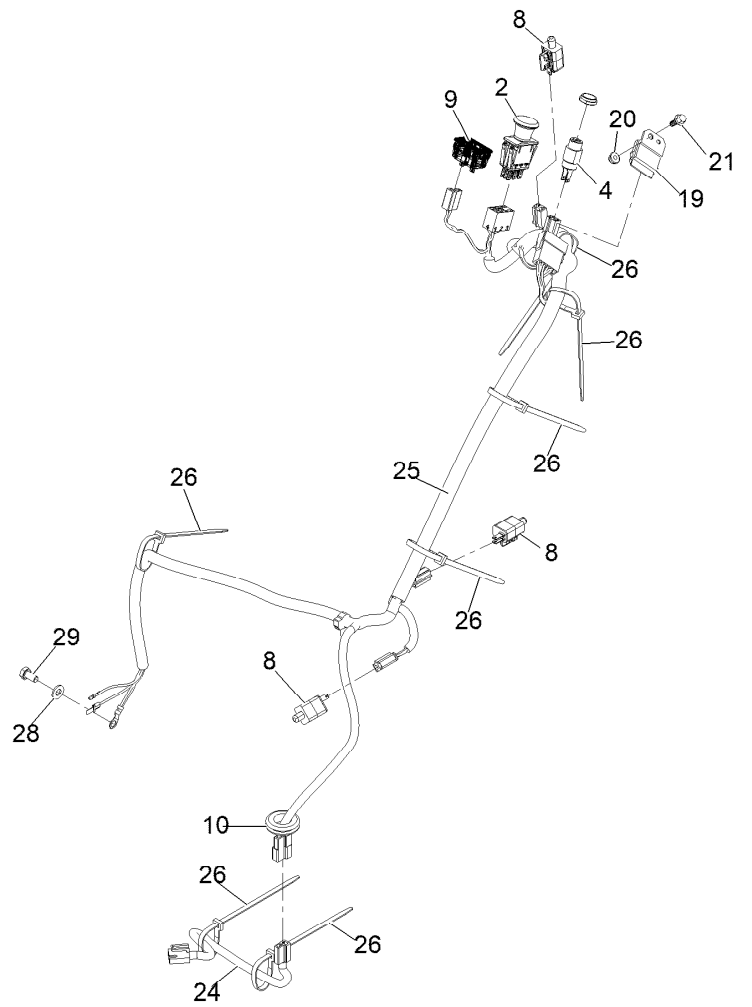
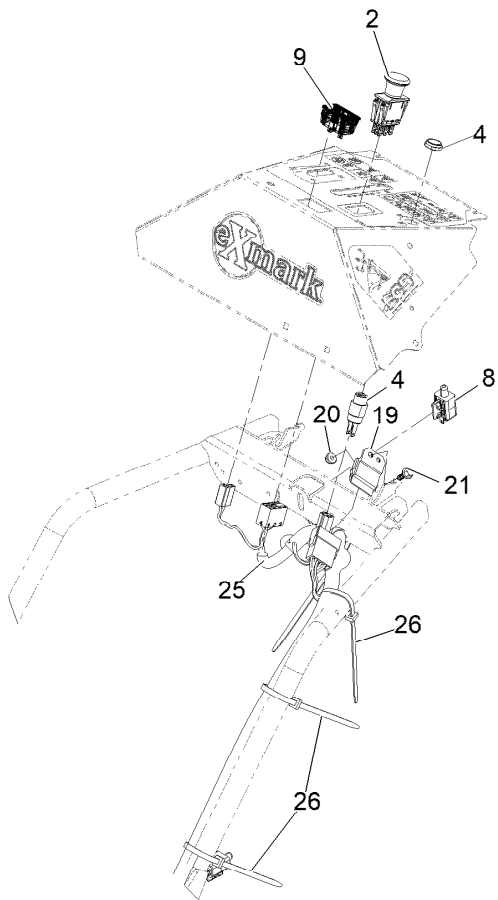


## Pump Idler Assembly No. 126-0615 (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i> |
|-------------|--------------------|-------------|--------------------|
| 1           | 109-4077           | 1           | Pulley-Idler, Flat |
| 3           | 109-8054           | 2           | Bushing-Flanged    |
| 4           | 116-8718           | 1           | Spacer, Pivot      |
| 5           | 126-1680           | 1           | Screw-HHF          |

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>     |
|-------------|--------------------|-------------|------------------------|
| 6           | 1-373034           | 1           | Washer                 |
| 7           | 98-5975            | 1           | Washer-Spring Disc 3/8 |
| 8           | 104-8301           | 1           | Nut-Nyloc 3/8-16 Flg   |
| 9           | 112-7451           | 1           | Screw-TAP              |

# Electrical Assembly



## Electrical Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>                   | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>      |
|-------------|--------------------|-------------|--------------------------------------|-------------|--------------------|-------------|-------------------------|
| 2           | 103-5221           | 1           | Switch-PTO                           | 20          | 104-7201           | 1           | Nut-Nyloc 1/4-20 Flg    |
| 4           | 1-403121           | 1           | Switch & Key (Includes Nut & Washer) | 21          | 99-6810            | 1           | Screw-HH 1/4-20 X 5/8   |
| 4           | 103-0498           | 1           | Nut-Ignition                         | 24          | 126-0624           | 1           | Harness-Clutch Pigtail  |
| 8           | 110-6765           | 3           | Switch                               | 25          | 126-0625           | 1           | Harness-Main ●          |
| 9           | 126-3931           | 1           | Meter-Hour                           | 26          | 3290-378           | 7           | Tie-Cable               |
| 10          | 1-543286           | 1           | Grommet                              | 28          | 33094-00           | 1           | Washer                  |
| 19          | 1-323430           | 1           | Switch-Module-Interlock              | 29          | 33114-016          | 1           | Screw-HH M8-1.25 X 16Mm |

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

**Notes:**



# MAXIMIZE THE PERFORMANCE OF YOUR EXMARK MACHINE.



## EXMARK® PREMIUM ENGINE OIL

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

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- Full synthetic formulation gives you peak performance. Don't settle for less.
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- Shear stable, hypoid gear lube.
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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 \_\_\_\_\_

Engine Model No. and Spec. No. \_\_\_\_\_

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

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(402) 223-6375  
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Printed in the USA.



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