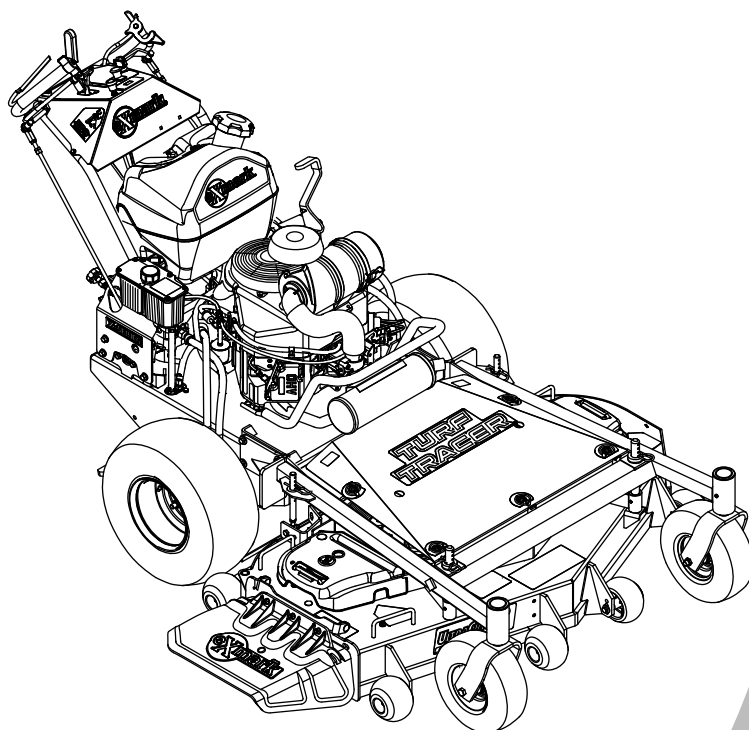




# **TURF TRACER® X-SERIES**

Model No. TTX650EKC604N0—Serial No. 413950474 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).

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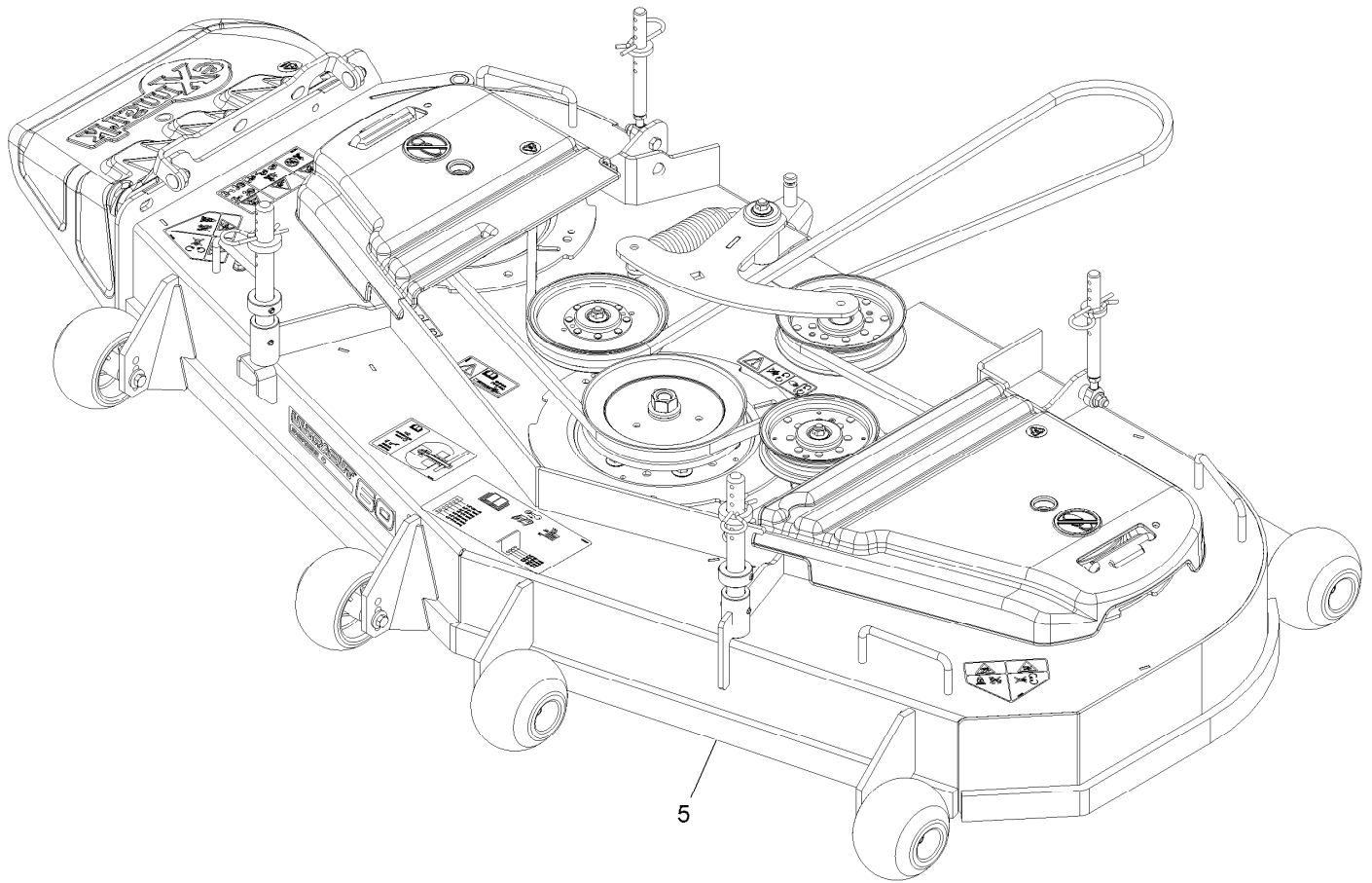
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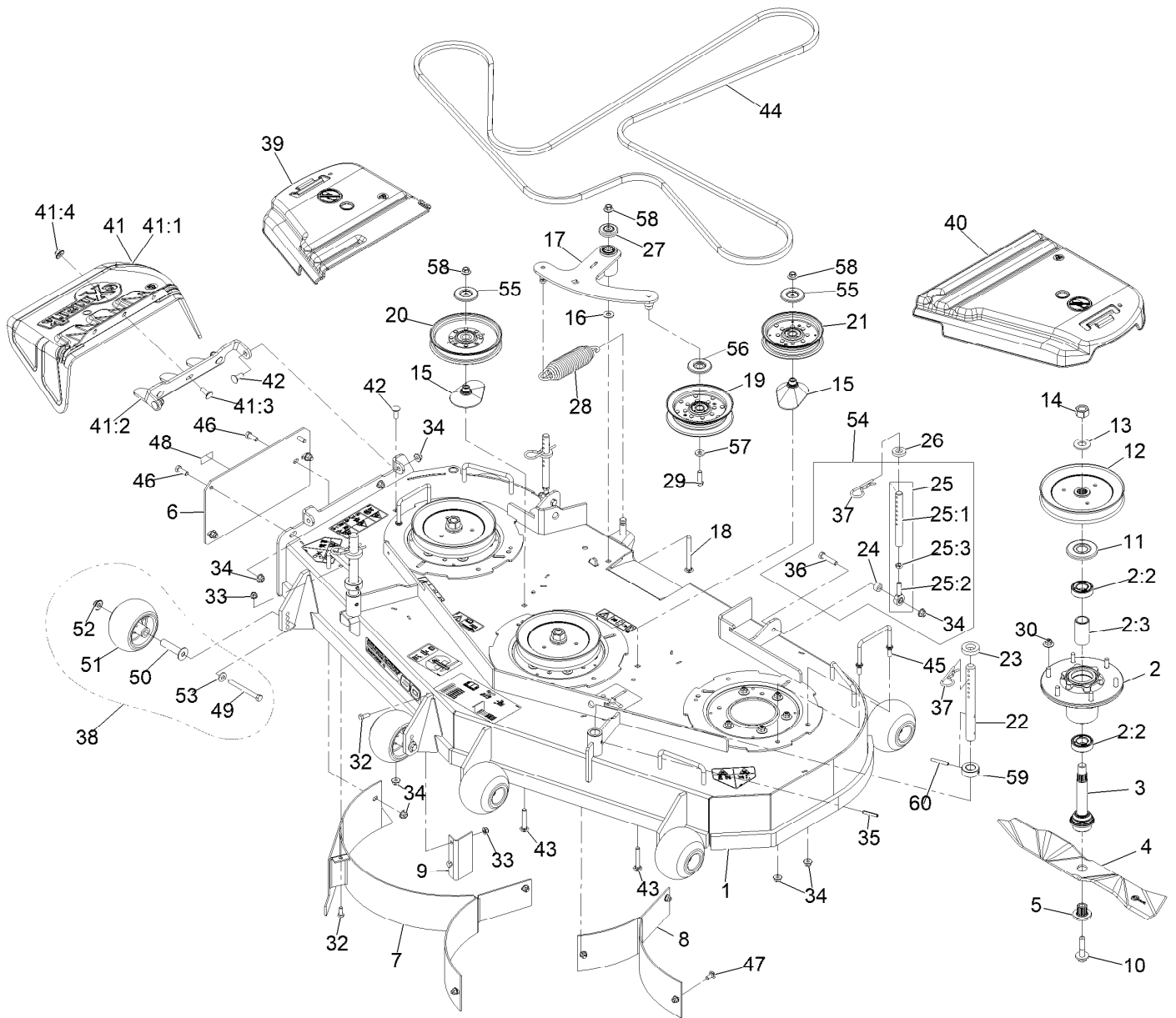
# Complete Deck Assembly



## Complete Deck Assembly (continued)

| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>             |
|-------------|--------------------|-------------|--------------------------------|
| 5           | 126-2537           | 1           | ASM, Complete Deck, 60"<br>Ttx |

# Deck Assembly



## Deck Assembly (continued)

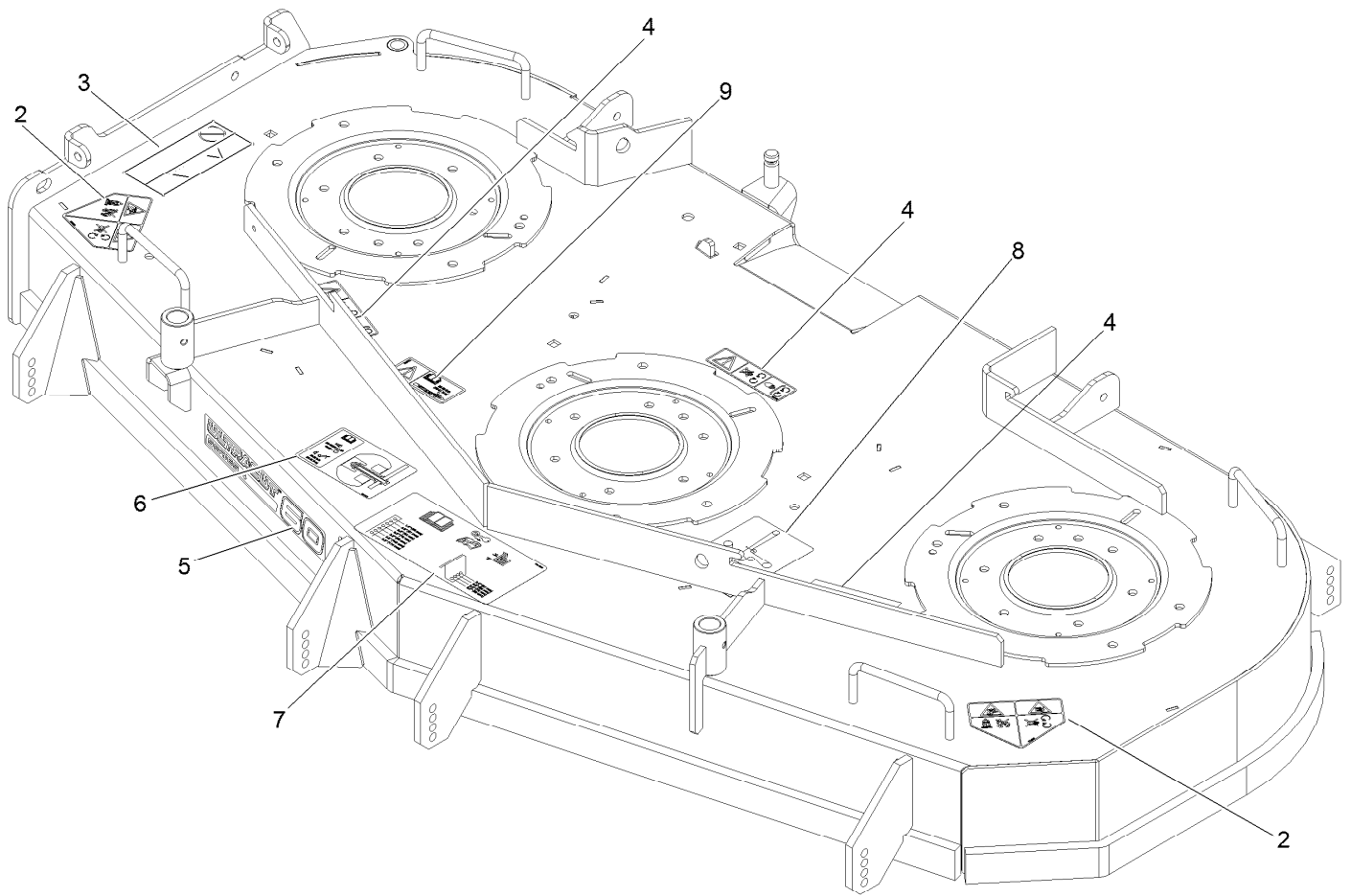
| <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>           | <i>Ref.</i> | <i>Part Number</i> | <i>Qty.</i> | <i>Description</i>           |
|-------------|--------------------|-------------|------------------------------|-------------|--------------------|-------------|------------------------------|
| 1           | 126-2570           | 1           | ASM, Deck W/ Decals, 60"     | 28          | 116-6317           | 1           | Spring-Extension             |
| 2           | 116-3344           | 3           | ASM-Cutter Hsg With Bearings | 29          | 323-7              | 1           | Screw-HH 3/8-16 X 1 1/4      |
| 2:2         | 116-0720           | 2           | Bearing-Ball                 | 30          | 109-6658           | 18          | Nut-Nyloc 3/8-16 Flg         |
| 2:3         | 116-3312           | 1           | Spacer-Bearing               | 32          | 322-3              | 5           | Screw-HH 5/16-18 X 3/4       |
| 3           | 116-3341           | 3           | ASM-Spindle And Seal ▲       | 33          | 104-8300           | 8           | Nut-Nyloc 5/16-18 Flg        |
| 4           | 103-6383           | 3           | Blade, Solid ●               | 34          | 104-8301           | 14          | Nut-Nyloc 3/8-16 Flg         |
| 4           | 103-6388           | 3           | Blade, Low Lift ●            | 35          | 1-806332           | 2           | Rollpin 1/4 X 1 1/2          |
| 4           | 103-6393           | 3           | Blade, Mulching ■            | 36          | 323-9              | 2           | Screw-HH 3/8-16 X 1 3/4      |
| 4           | 103-6403           | 3           | Blade, Notched               | 37          | 1-806009           | 4           | Hairpin-Cotter #206          |
| 4           | 116-5174           | 3           | Blade-Extreme 2, 20.50" ●    | 38          | 116-9981           | 6           | Kit, Anti-Scalp Roller       |
| 5           | 103-3037           | 3           | Bushing, Splined             | 39          | 116-0094           | 1           | Cover-Belt, RH               |
| 6           | 1-633957-01        | 1           | Plate, Mulch Cover Mk604     | 40          | 109-6938           | 1           | Cover-Belt, LH               |
| 7           | 1-632954-03        | 1           | Wld, Baffle RH Mk604         | 41          | 109-7188           | 1           | ASM,Discharge Chute          |
| 8           | 1-632948-03        | 1           | Wld, Baffle LH Mk604         | 41:1        | 109-2738           | 1           | Chute, Discharge             |
| 9           | 1-633956-03        | 1           | Baffle, Blocker Mk604        | 41:2        | 109-8675-01        | 1           | Bracket,Discharge Chute      |
| 10          | 109-9220           | 3           | Screw-Sems 1/2-20 X 2.19     | 41:3        | 3231-22            | 3           | Bolt-Carriage 3/8-16 X 1     |
| 11          | 116-1286           | 3           | Guard,Bearing Top .989       | 41:4        | 109-6658           | 3           | Nut-Nyloc 3/8-16 Flg         |
| 12          | 116-0676           | 3           | Sheave,Blade Drive 7.25      | 42          | 3231-22            | 3           | Bolt-Carriage 3/8-16 X 1     |
| 13          | 103-2802           | 3           | Washer-Spring Disc 3/4       | 43          | 3231-40            | 2           | Bolt-Carriage 3/8-16 X 2 1/4 |
| 14          | 116-7306           | 3           | Nut-Hex                      | 44          | 126-2539           | 1           | Belt, Deck Drive             |
| 15          | 109-2872           | 2           | Spacer-Pulley                | 45          | 109-6982           | 2           | Wireform-Cover               |
| 16          | 3256-4             | 1           | Washer-3/8 Std               | 46          | 323-6              | 5           | Screw-HH 3/8-16 X 1          |
| 17          | 126-2314           | 1           | ASM, Deck Idler              | 47          | 3230-1             | 3           | Bolt-Carriage 5/16-18 X 3/4  |
| 18          | 3231-24            | 1           | Bolt-Carriage 3/8-16 X 3 3/4 | 48          | 126-4345           | 1           | Decal-Patent                 |
| 19          | 126-9196           | 1           | Idler-Pulley, Flat           | 49          | 116-9362           | 6           | Screw-HH 3/8-16 X 3 3/4 GR 8 |
| 20          | 126-7685           | 1           | Idler-Pulley                 | 50          | 116-8131           | 6           | Axle, Roller                 |
| 21          | 126-9187           | 1           | Pulley-Idler, Flat           | 51          | 103-8415           | 6           | Roller-Anti-Scalp            |
| 22          | 135-4829           | 2           | Rod, Deck Support            | 52          | 109-6658           | 6           | Nut-Nyloc 3/8-16 Flg         |
| 23          | 1-413425           | 2           | Spacer-Deck Support          | 53          | 98-5975            | 6           | Washer-Spring Disc 3/8       |
| 24          | 1-603050           | 2           | Spacer                       | 54          | 1-411532           | 2           | Kit, Support Link W/Pin      |
| 25          | 1-414521           | 2           | Link Assy                    | 55          | 126-8043           | 2           | Shield-Dust                  |
| 25:1        | 1-413525           | 1           | Link, Rear Deck Support      | 56          | 126-9195           | 1           | Shield-Guard, Dust           |
| 25:2        | 1-613204           | 1           | Balljoint                    | 57          | 43-0940            | 1           | Spacer                       |
| 25:3        | 3220-3             | 1           | Nut-Jam 3/8-24               | 58          | 32128-19           | 3           | Nut-Hex 3/8-16 Side Lock     |
| 26          | 1-323539           | 2           | Spacer-Blade Drive           | 59          | 135-4828           | 2           | Collar, Deck Height Pin      |
| 27          | 103-2916           | 1           | Guard-Top                    | 60          | 32121-32           | 2           | Rollpin 1/4 X 1 3/4          |

● Optional Equipment

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

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

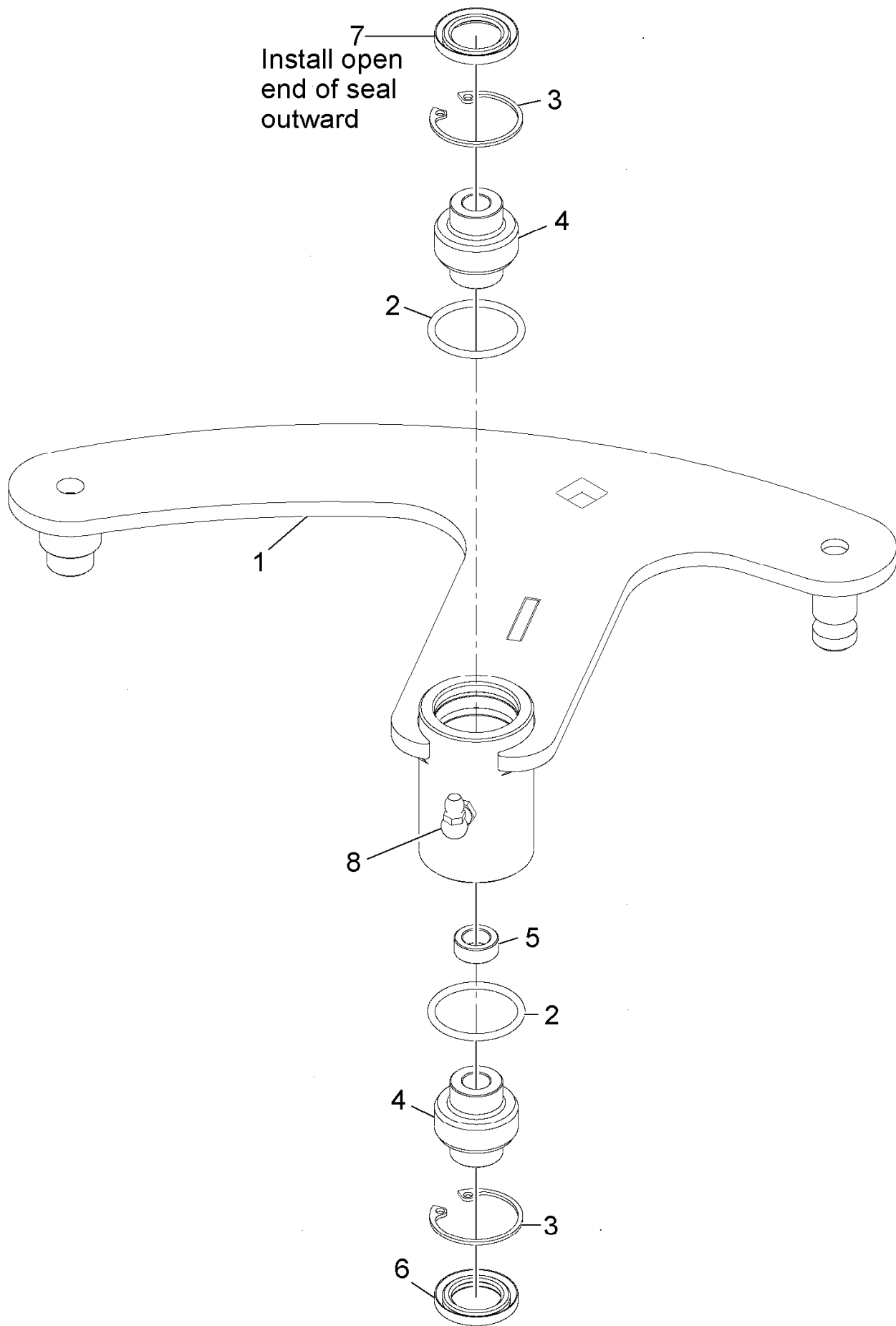
# Deck W/Decals Assembly



## 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           | 112-8760           | 2           | Decal-Danger             | 6           | 126-0898           | 1           | Decal-Roller Mounting |
| 3           | 135-5210           | 1           | Decal-Warning Thrown Obj | 7           | 116-8278           | 1           | Decal-Anti-Scalp      |
| 4           | 112-9028           | 3           | Decal-Cover, Missing     | 8           | 116-8727           | 1           | Decal-Belt Routing    |
| 5           | 126-6589           | 1           | Decal, 604               | 9           | 116-8283           | 1           | Decal-Torque, Bolt    |

# Deck Idler Assembly No. 126-2314



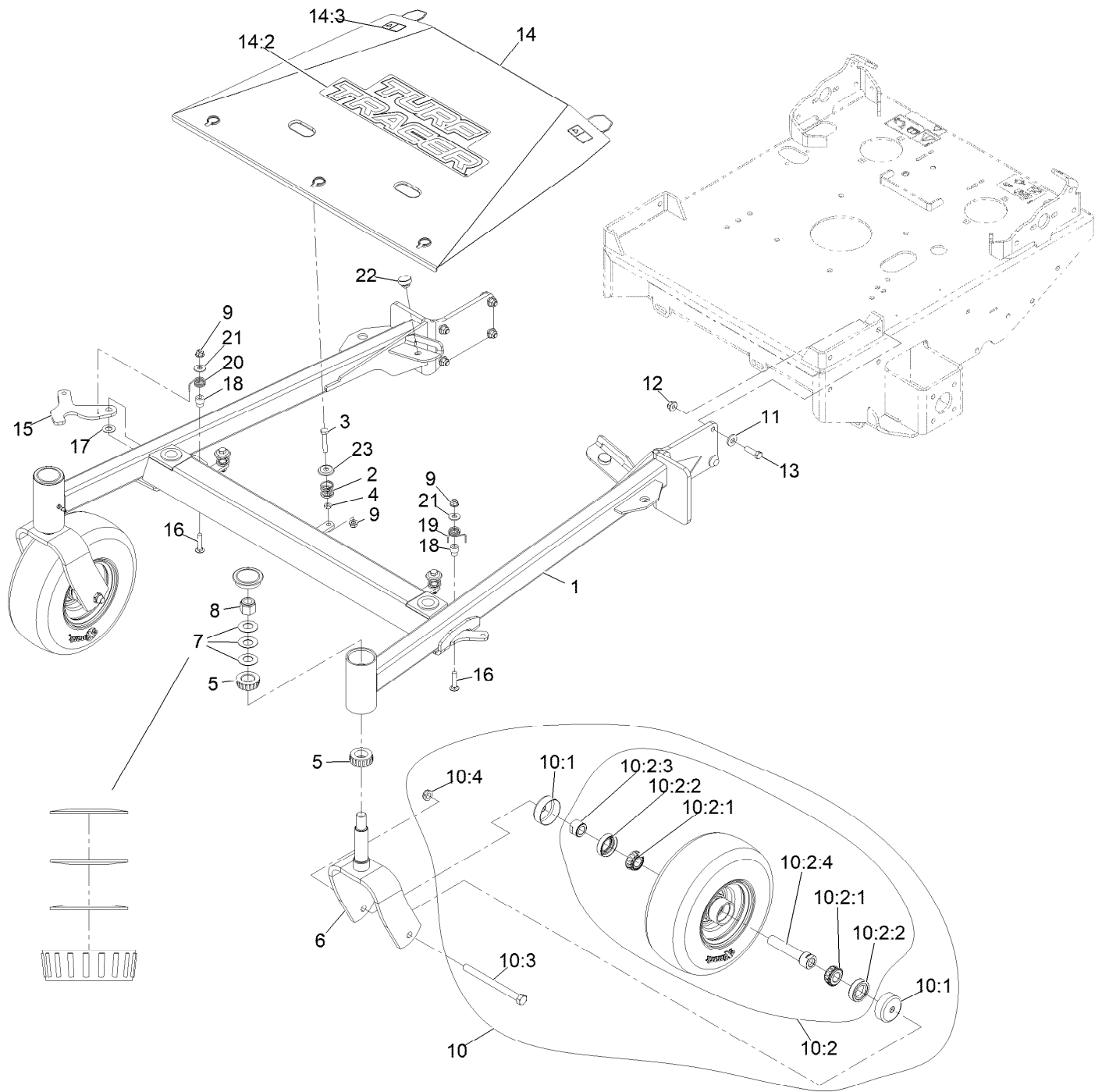
## Deck Idler Assembly No. 126-2314 (continued)

| <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

# Frame Assembly

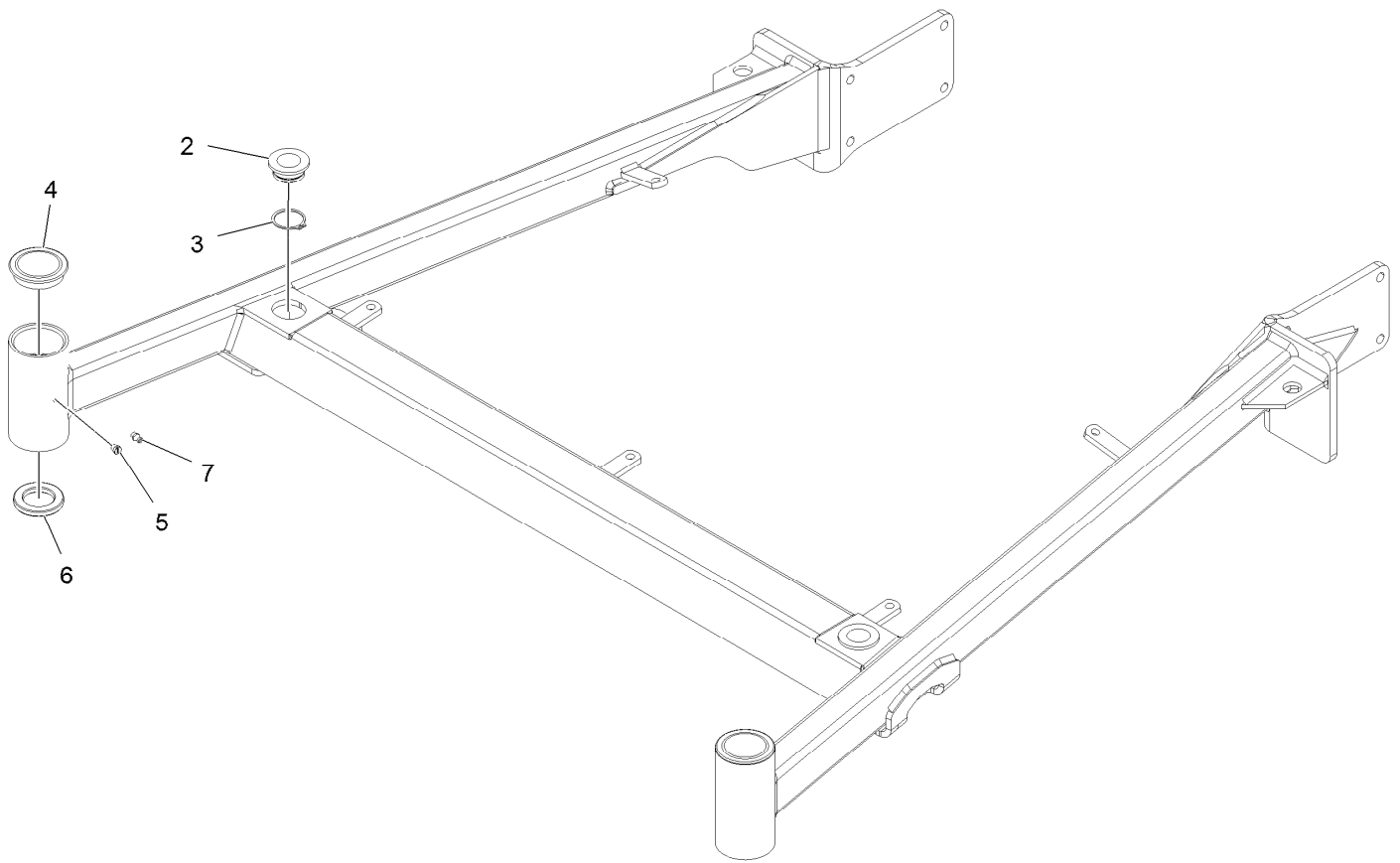


## Frame Assembly (continued)

| <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           | 142-7663           | 1           | ASM-60" Ttx Front Frame     | 10:3        | 325-20             | 1           | Screw-HH 1/2-13 X 6           |
| 2           | 126-1503           | 3           | Spring                      | 10:4        | 3296-45            | 1           | Nut-Nyloc 1/2-13 Thin         |
| 3           | 322-21             | 3           | Screw-HH 5/16-18 X 1 7/8    | 11          | 98-5975            | 8           | Washer-Spring Disc 3/8        |
| 4           | 3218-2             | 3           | Nut-Jam 5/16-18             | 12          | 104-8301           | 8           | Nut-Nyloc 3/8-16 Flg          |
| 5           | 1-543509           | 4           | Cone-Bearing Tapered Roller | 13          | 323-7              | 8           | Screw-HH 3/8-16 X 1 1/4       |
| 6           | 103-1891-01        | 2           | Wld, Caster Fork            | 14          | 142-7658           | 1           | ASM-60" Ttx Center Shield     |
| 7           | 1-633508           | 6           | Washer-Spring Disc          | 14:2        | 126-6892           | 1           | Decal-Turf Tracer             |
| 8           | 3296-51            | 2           | Nut-Nyloc 3/4-10            | 14:3        | 106-5517           | 2           | Decal-Warning                 |
| 9           | 104-8300           | 5           | Nut-Nyloc 5/16-18 Flg       | 15          | 135-4827-01        | 2           | Latch, Deck Height            |
| 10          | 109-3524           | 2           | Asm, Wheel And Bearings     | 16          | 3230-4             | 2           | Bolt-Carriage 5/16-18 X 1 1/2 |
| 10:1        | 103-2768           | 2           | Guard-Seal                  | 17          | 110-4068           | 2           | Washer-Plastic                |
| 10:2        |                    | 1           | Wheel And Bearing ASM ●     | 18          | 108-9087           | 2           | Collar-Basket                 |
| 10:2:1      | 1-633585           | 2           | Bearing-Cone Tapered Roller | 19          | 75-3960            | 1           | Spring-Torsion, LH (Yellow)   |
| 10:2:2      | 103-0063           | 2           | Seal-Double Lip             | 20          | 75-3970            | 1           | Spring-Torsion, RH            |
| 10:2:3      | 103-3051           | 1           | Spacer-Nut                  | 21          | 3256-3             | 2           | Washer-5/16 Std               |
| 10:2:4      | 126-5359           | 1           | Caster Axle ASM             | 22          | 104-1412           | 2           | Bumper-Rubber                 |
|             |                    |             |                             | 23          | 66-6310            | 3           | Washer-Cup                    |

● Not serviced separately

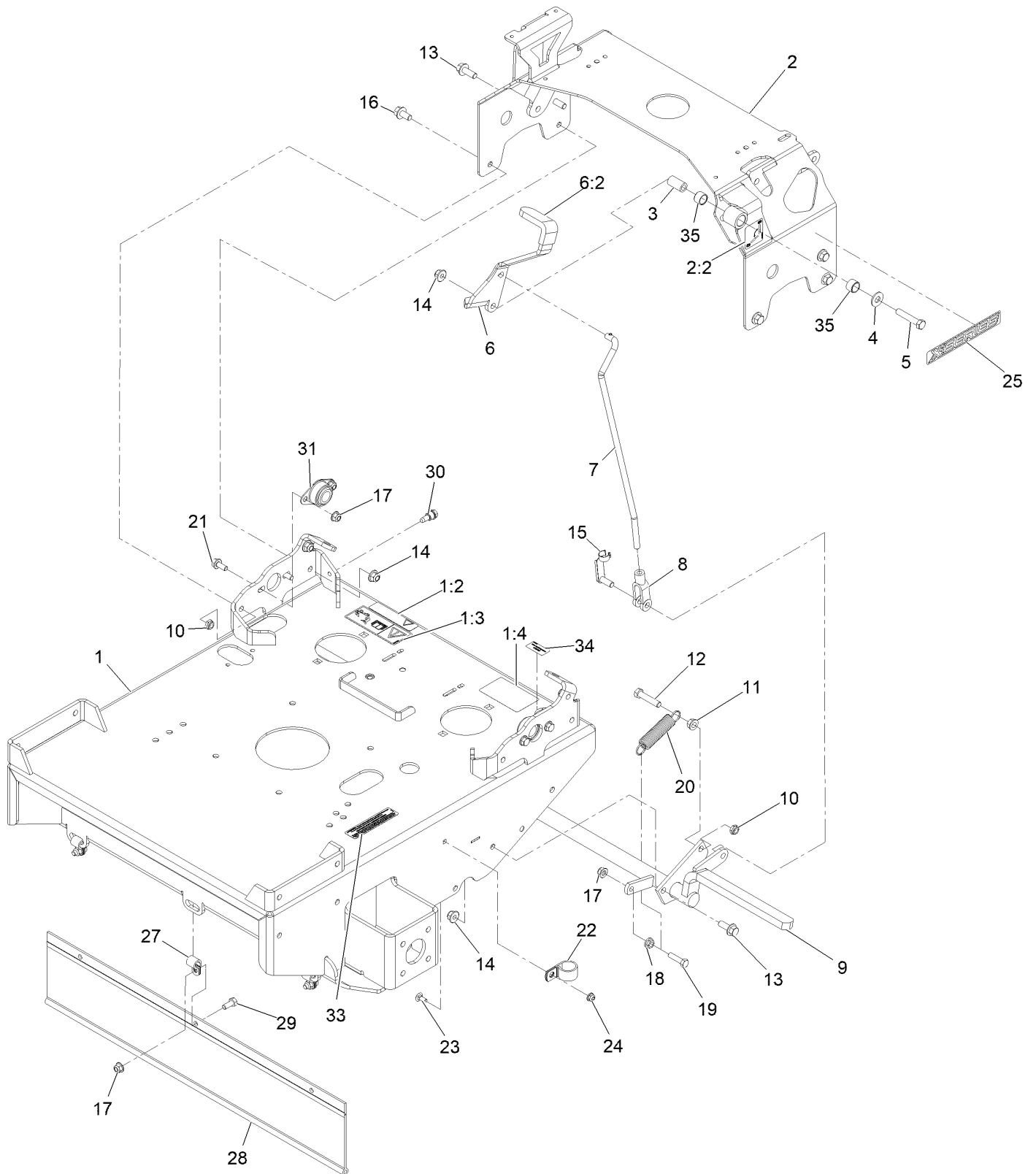
# Front Frame Assembly



## Front 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> |
|-------------|--------------------|-------------|--------------------|-------------|--------------------|-------------|--------------------|
| 2           | 1-513336           | 2           | Bushing-Deck       | 5           | 1-811010           | 2           | Plug               |
| 3           | 32120-33           | 2           | Ring-Retaining     | 6           | 1-543511           | 2           | Seal-Grease        |
| 4           | 103-4882           | 2           | Cap-Grease         | 7           | 302-19             | 1           | Zerk-1/4-28 Str    |

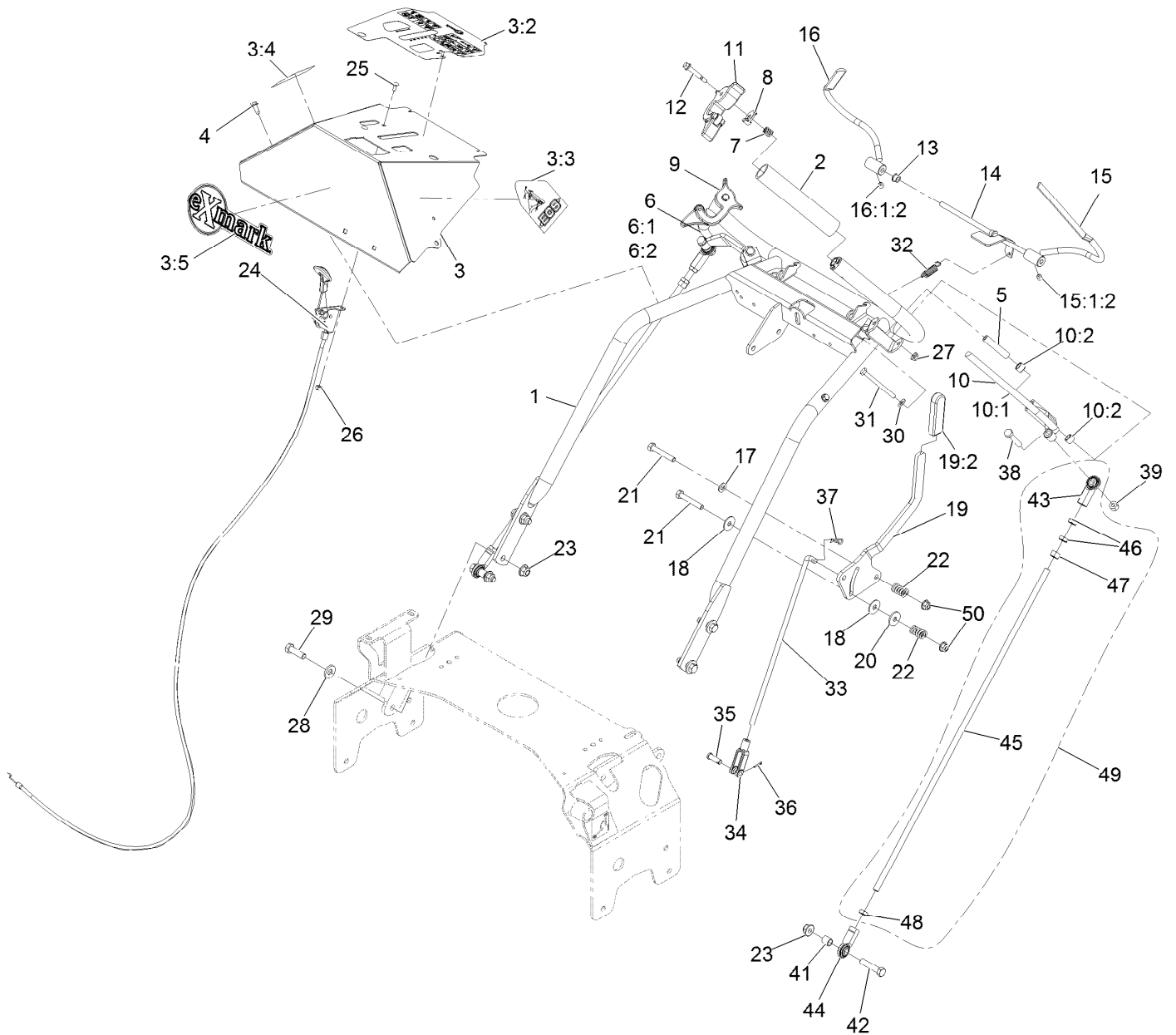
# Engine Deck Assembly



## 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           | 126-2521           | 1           | ASM, Engine Deck W/<br>Decals | 15          | 103-2399           | 1           | Pin-Clevis Spring 3/8      |
| 1:2         | 98-1977            | 1           | Decal-Warning                 | 16          | 3234-12            | 2           | Screw-HH Flg 3/8-16 X 3/4  |
| 1:3         | 126-1400           | 1           | Decal-Warning, Sulky          | 17          | 104-8300           | 8           | Nut-Nyloc 5/16-18 Flg      |
| 1:4         | 116-8253           | 1           | Decal-Drive Release           | 18          | 32128-20           | 1           | Nut-Whizlock 5/16-18       |
| 2           | 142-8015           | 1           | ASM-Tank Support              | 19          | 322-6              | 1           | Screw-HH 5/16-18 X 1 1/4   |
| 2:2         | 116-5988           | 1           | Decal-Park Brake, CE          | 20          | 1-323161           | 1           | Spring                     |
| 3           | 1-413344           | 1           | Bushing-Pivot                 | 21          | 3234-47            | 4           | Screw-HH Flg 5/16-18 X 3/4 |
| 4           | 3256-4             | 1           | Washer-3/8 Std                | 22          | 1-643312           | 1           | Clip-Loom                  |
| 5           | 323-10             | 1           | Screw-HH 3/8-16 X 2           | 23          | 3229-11            | 1           | Bolt-Carriage 1/4-20 X 5/8 |
| 6           | 126-2180           | 1           | ASM, Brake Lever W/ Grip      | 24          | 104-7201           | 1           | Nut-Nyloc 1/4-20 Flg       |
| 6:2         | 1-303020           | 1           | Grip-Lever                    | 25          | 126-6573           | 2           | Decal-X-Series             |
| 7           | 116-9960           | 1           | Linkage-Brake                 | 27          | 1-413510           | 3           | Clip-Loom                  |
| 8           | 1-633131           | 1           | Yoke-Linkage, Brake           | 28          | 103-2224           | 1           | Shield, Drag               |
| 9           | 116-9159           | 1           | Wld,Brake Ttx                 | 29          | 322-3              | 3           | Screw-HH 5/16-18 X 3/4     |
| 10          | 3296-59            | 3           | Nut-Nyloc 3/8-16 Thin         | 30          | 115-1958           | 1           | Bolt-Shoulder              |
| 11          | 3290-357           | 1           | Nut-Whizlock 3/8-16           | 31          | 1-633102           | 2           | Bearing-Flanged            |
| 12          | 323-9              | 1           | Screw-HH 3/8-16 X 1 3/4       | 33          | 133-8062           | 1           | Decal-Arrestor, Spark      |
| 13          | 3234-42            | 7           | Screw HHF 3/8-16 X 1          | 34          | 126-4345           | 1           | Decal-Patent               |
| 14          | 104-8301           | 8           | Nut-Nyloc 3/8-16 Flg          | 35          | 1-413347           | 2           | Sleeve-Bushing             |

# Handle Assembly



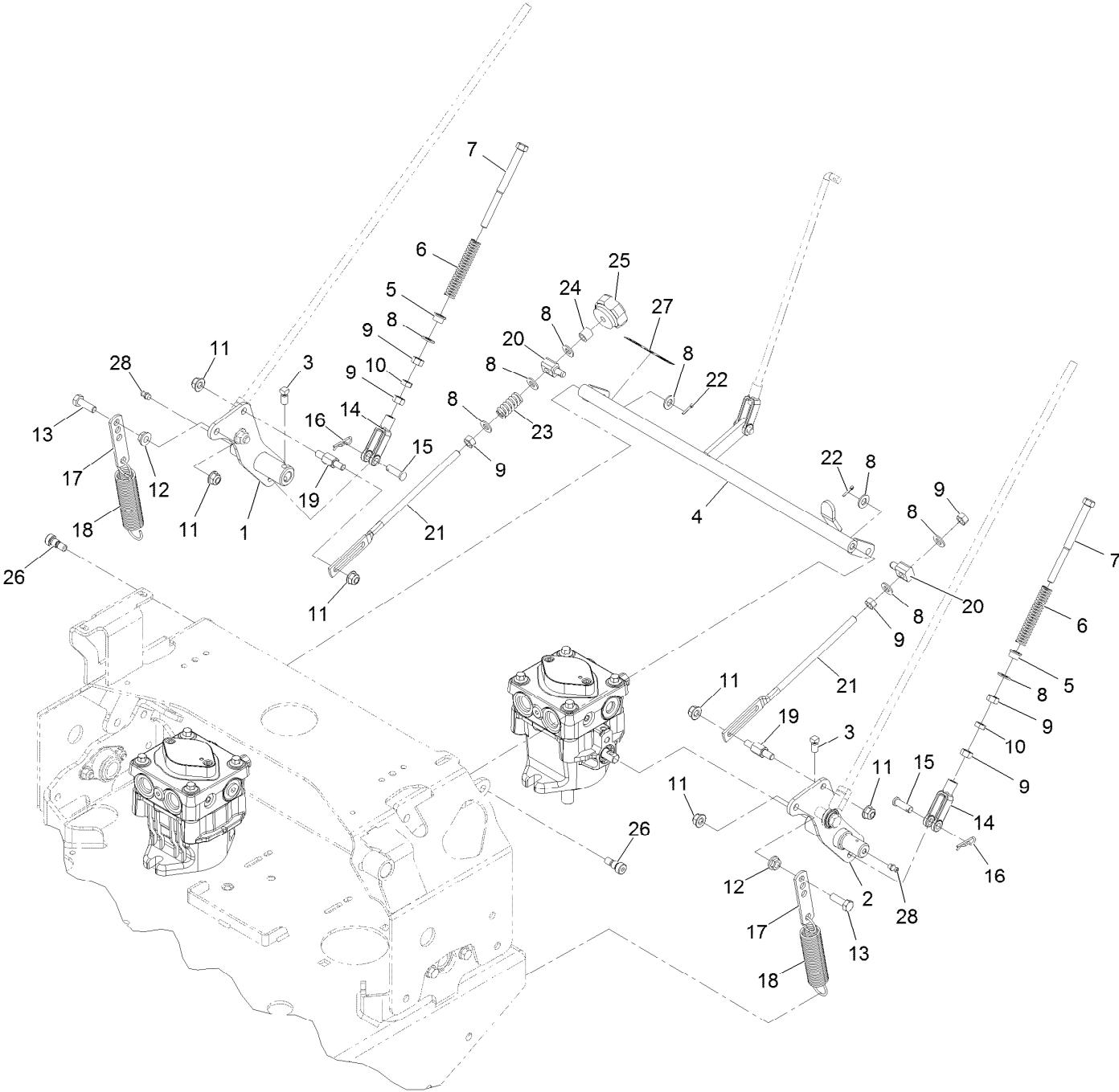
## Handle Assembly (continued)

| <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              | 20          | 1-603716           | 1           | Washer-Friction Disc       |
| 2           | 103-0815           | 2           | Grip-Bar, Handle          | 21          | 322-11             | 2           | Screw-HH 5/16-18 X 2 1/4   |
| 3           | 126-2820           | 1           | ASM, Console W/ Decals    | 22          | 1-323245           | 2           | Spring-Compression         |
| 3:2         | 135-2862           | 1           | Decal-Console             | 23          | 104-8301           | 6           | Nut-Nyloc 3/8-16 Flg       |
| 3:3         | 103-2242           | 1           | Decal, Ecs Instruction LH | 24          | 109-3958           | 1           | Control-Throttle           |
| 3:4         | 103-2243           | 1           | Decal, Ecs Instruction RH | 25          | 1-807513           | 2           | Bolt-Carriage #10-24 X 1/2 |
| 3:5         | 126-6877           | 1           | Decal, Exmark Logo        | 26          | 3296-2             | 2           | Nut-Nyloc #10-24           |
| 4           | 32144-10           | 2           | Screw-HWH 1/4-20 X .62    | 27          | 104-7201           | 2           | Nut-Nyloc 1/4-20 Flg       |
| 5           | 103-0027           | 2           | Bushing-Lever, Drive      | 28          | 98-5975            | 4           | Washer-Spring Disc 3/8     |
| 6           | 103-2513           | 1           | Asm, Drive Lever RH       | 29          | 323-7              | 4           | Screw-HH 3/8-16 X 1 1/4    |
| 6:1         | 116-4082           | 1           | Wld,RH Drive Lever        | 30          | 3256-22            | 2           | Washer-1/4 SAE             |
| 6:2         | 126-9366           | 2           | Bushing, Sleeve           | 31          | 321-14             | 2           | Screw-HH 1/4-20 X 2 3/4    |
| 7           | 1-633349           | 2           | Spring-Compression        | 32          | 1-303363           | 1           | Spring-Extension           |
| 8           | 126-2921           | 2           | Latch, Ecs                | 33          | 1-413225           | 1           | Rod, Speed Control         |
| 9           | 103-1371           | 1           | Thumb Latch Asm RH        | 34          | 1-303105           | 1           | Yoke-Adjustable            |
| 10          | 103-2514           | 1           | Asm, Drive Lever LH       | 35          | 1-808280           | 1           | Pin-Clevis 5/16 X 1 49/64  |
| 10:1        | 116-4081           | 1           | Wld,LH Drive Lever        | 36          | 3272-5             | 1           | Pin-Cotter 3/32 X 1/2      |
| 10:2        | 126-9366           | 2           | Bushing, Sleeve           | 37          | 1-806003           | 1           | Hairpin-Cotter             |
| 11          | 103-1372           | 1           | Thumb Latch Asm LH        | 38          | 322-9              | 2           | Screw-HH 5/16-18 X 1 3/4   |
| 12          | 126-2931           | 2           | Screw-Shoulder            | 39          | 3296-29            | 2           | Nut-Nyloc 5/16-18          |
| 13          | 1-303365           | 2           | Bushing-Nylon             | 41          | 103-1166           | 2           | Spacer-Tube, Pump Link     |
| 14          | 103-0769-03        | 1           | Rod Weldment, OPC         | 42          | 323-9              | 2           | Screw-HH 3/8-16 X 1 3/4    |
| 15          | 116-4079           | 1           | Wld,LH OPC Lever ■        | 43          | 103-2463           | 4           | Balljoint                  |
| 15:1:2      | 1-803322           | 1           | Setscrew-5/16-24 X 5/16 ● | 44          | 103-1167           | 2           | Joint-Ball End             |
| 16          | 116-4080           | 1           | Wld,RH OPC Lever ■        | 45          | 103-1148           | 2           | Rod,Drive Lever            |
| 16:1:2      | 1-803322           | 1           | Setscrew-5/16-24 X 5/16 ● | 46          | 3220-3             | 4           | Nut-Jam 3/8-24             |
| 17          | 3256-23            | 1           | Washer-5/16 SAE           | 47          | 3219-3             | 2           | Nut-Hex 3/8-24             |
| 18          | 1-323244           | 2           | Washer-Friction           | 48          | 3220-16            | 2           | Nut-Jam 3/8-24 LH          |
| 19          | 126-0148           | 1           | Lever, Shift W/Grip       | 49          | 116-3414           | 2           | Drive Link ASM             |
| 19:2        | 103-5994           | 1           | Grip-Handle, Steering     | 50          | 104-8300           | 2           | Nut-Nyloc 5/16-18 Flg      |

● 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.

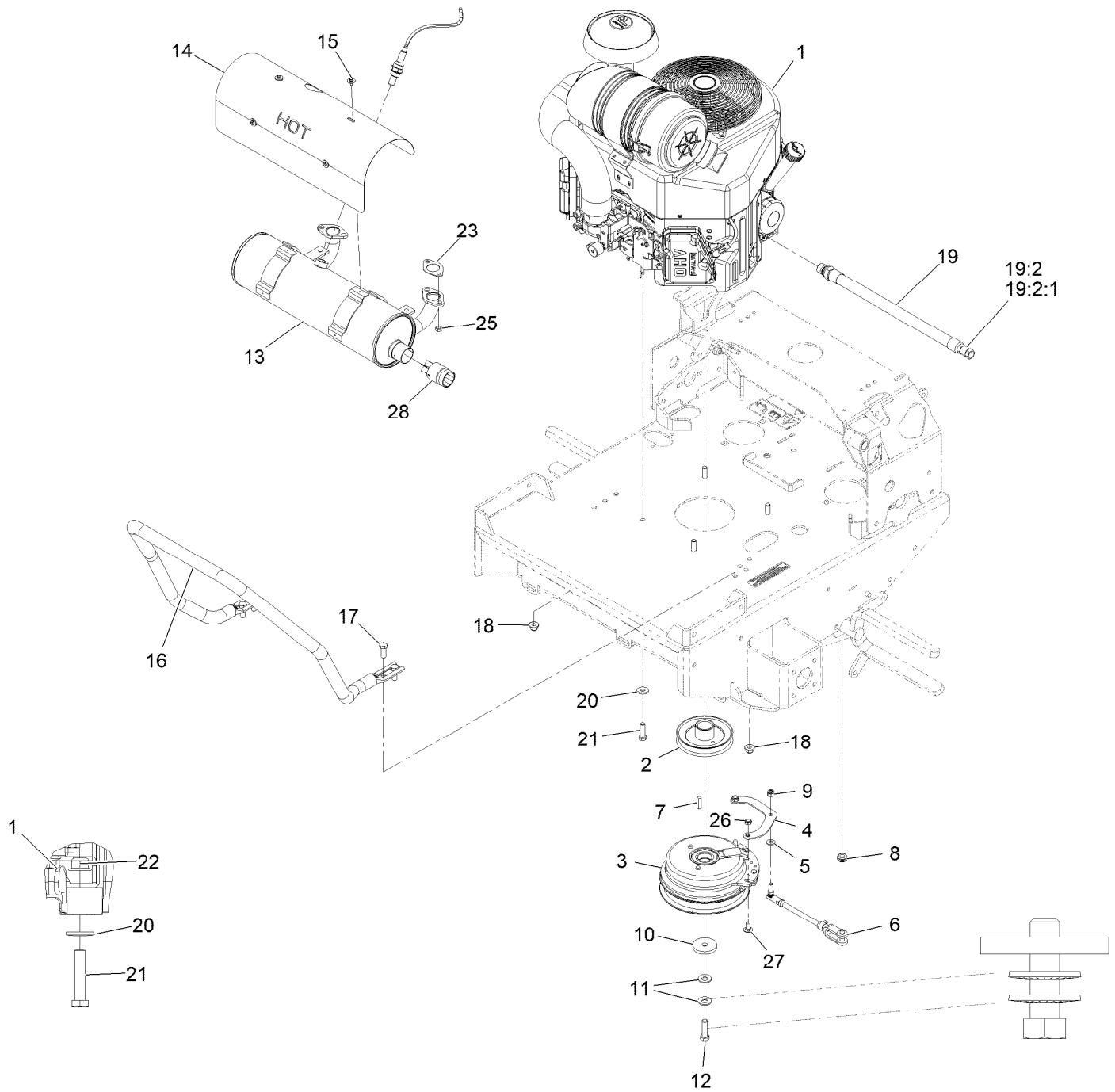
# Controls Assembly



## 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     | 26          | 1-809056           | 2           | Screw-Sh 5/16-18 X 1 3/8  |
| 13          | 322-5              | 2           | Screw-HH 5/16-18 X 1     | 27          | 116-7918           | 1           | Decal-Tracking Adjustment |
| 14          | 1-303105           | 2           | Yoke-Adjustable          | 28          | 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, Kohler<br>Ecv650-3017 ▲◆ | 15          | 116-1103           | 4           | Screw-HH #8-18 X 1/2 Tf     |
| 2           | 126-2605           | 1           | Sheave W/ Hub                    | 16          | 135-4730-03        | 1           | Tube-Guard Air Cleaner      |
| 3           | 126-2601           | 1           | Clutch, 200 Ft/Lbs, 1.13         | 17          | 323-6              | 4           | Screw-HH 3/8-16 X 1         |
| 4           | 126-2602           | 1           | Strap, Clutch                    | 18          | 104-8301           | 4           | Nut-Nyloc 3/8-16 Flg        |
| 5           | 3256-23            | 1           | Washer-5/16 SAE                  | 19          | 116-5316           | 1           | Oil Drain Hose ASM □■       |
| 6           | 126-0620           | 1           | ASM, Clutch Anchor               | 19:2        | 353-508            | 1           | Plug-W/O-Ring ●             |
| 7           | 1-807259           | 1           | Key-Machine 1/4 X 1/4 X 1 ▶      | 19:2:1      | 237-42             | 1           | O-Ring                      |
| 8           | 237-136            | 1           | Grommet                          | 20          | 1-303334           | 4           | Washer-Spring Disc 5/16     |
| 9           | 3296-4             | 1           | Nut-Lock 5/16-24                 | 21          | 322-7              | 4           | Screw-HH 5/16-18 X 1 1/2    |
| 10          | 109-6919           | 1           | Washer-Clutch                    | 22          | 104-8300           | 4           | Nut-Nyloc 5/16-18 Flg       |
| 11          | 1-603610           | 2           | Washer-Spring Disc 7/16          | 23          | 110-6697           | 2           | Gasket-Exhaust              |
| 12          | 87-2080            | 1           | Bolt-Hex, TAP ○                  | 25          | 68-9400            | 4           | Nut-Flange                  |
| 13          | 116-8653           | 1           | Muffler-Ttx, EFI                 | 26          | 3296-47            | 2           | Nut-Nyloc 5/16-18 Thin      |
| 14          | 116-8654           | 1           | Shield-Muffler,Ttx EFI           | 27          | 3230-18            | 2           | Bolt-Carriage 5/16-18 X 5/8 |
|             |                    |             |                                  | 28          | 142-7683           | 1           | Screen-Spark Arrestor       |

● Torque to 24-26 ft-lb

▲ Not serviced separately

□ Use a Teflon Pipe Sealant or equivalent on threads.

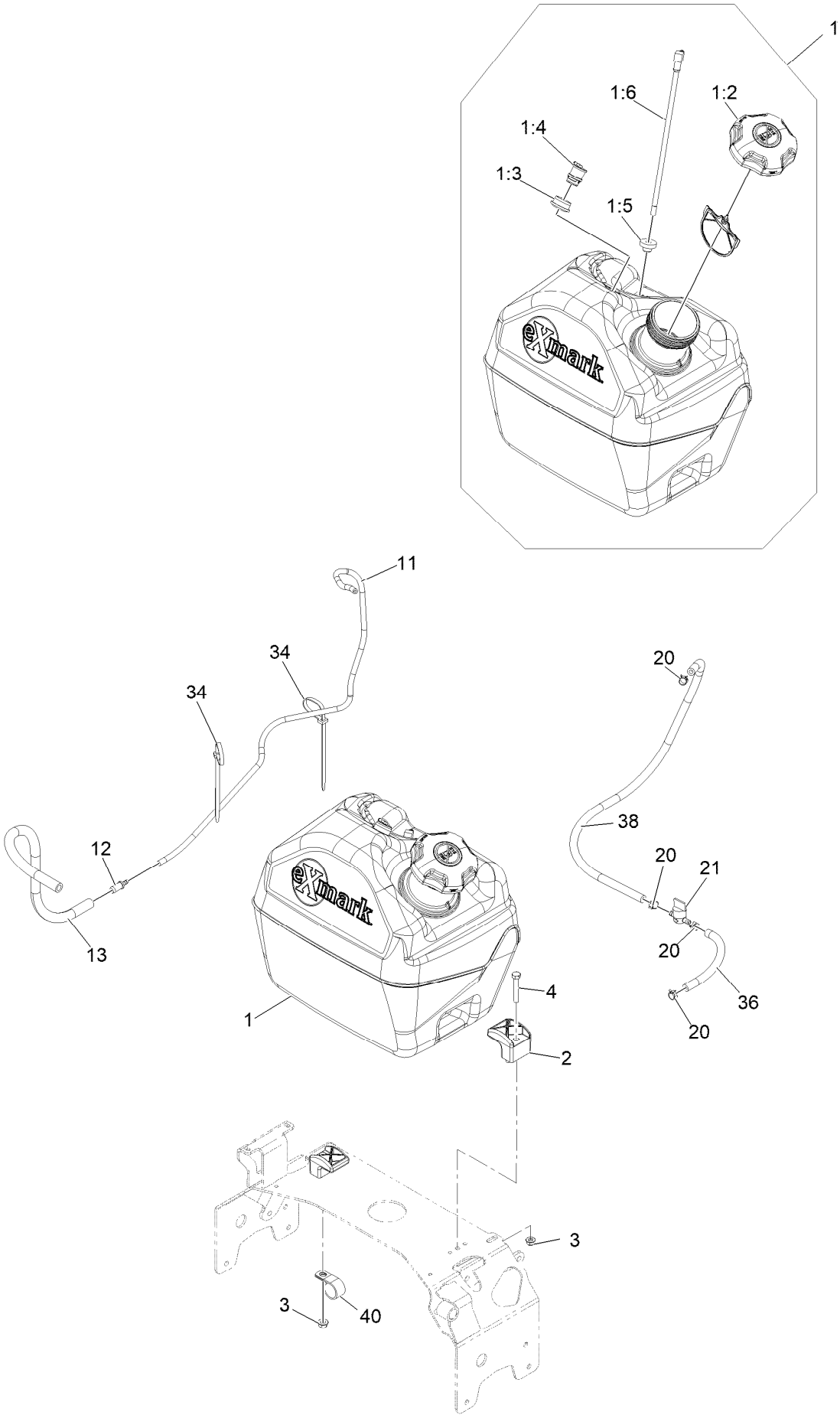
○ Use Pro-Lock, Nut Type (P/N 1-840022, .5ml tube) on threads.

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

■ Torque to 17-23 ft-lb

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

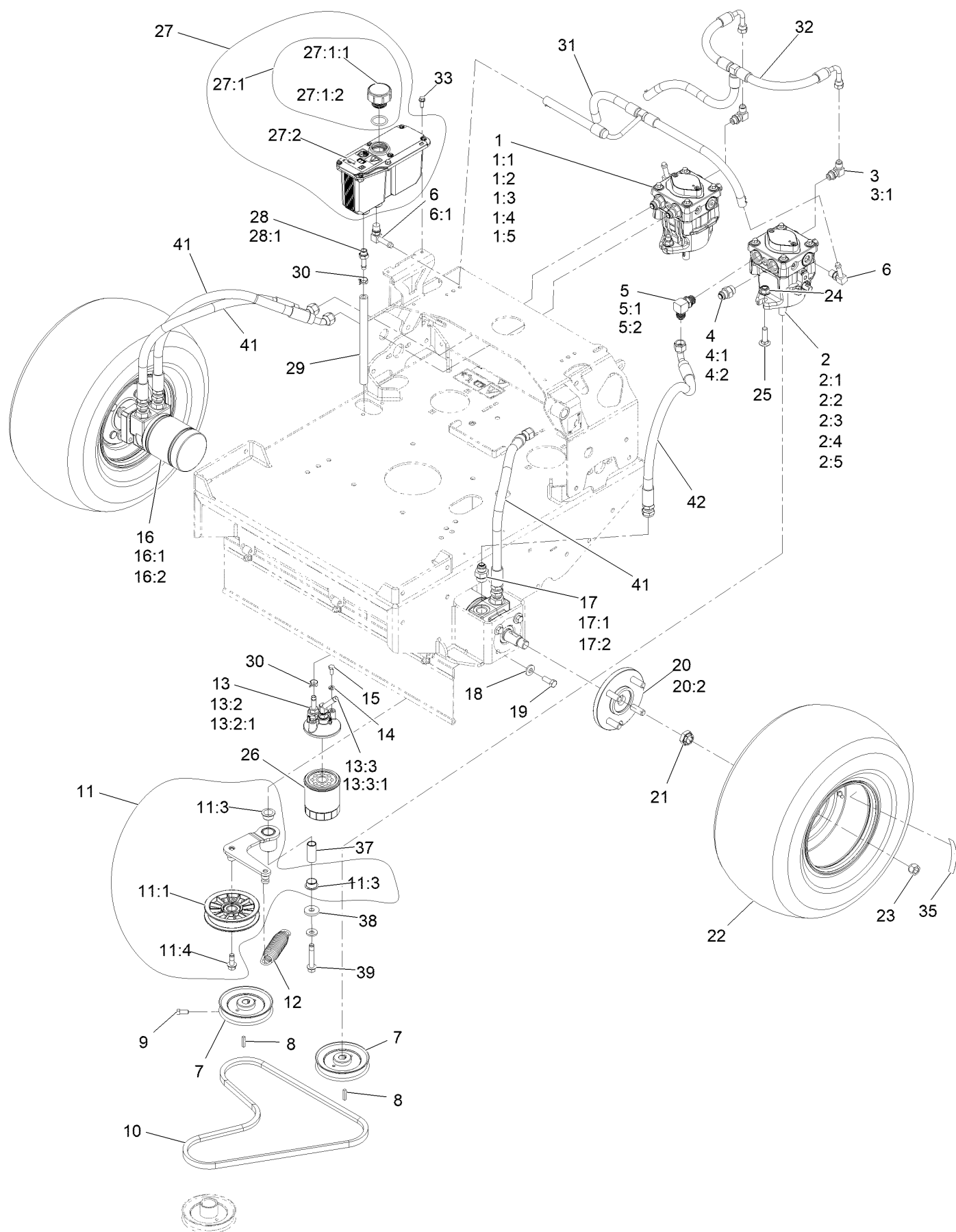
# Fuel Assembly



## Fuel 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                | 11          | 126-1679           | 1           | Hose, Emissions    |
| 1:2         | 137-4119           | 1           | Cap-Fuel, Ratcheting                | 12          | 98-2952            | 1           | Fitting-Straight   |
| 1:3         | 114-0284           | 1           | Grommet                             | 13          | 119-8562           | 1           | Hose-Fuel          |
| 1:4         | 119-3547           | 1           | Valve-Vent, Fuel                    | 20          | 2412-98            | 4           | Clamp-Hose         |
| 1:5         | 46-6560            | 1           | Bushing                             | 21          | 1-603770           | 1           | Valve-Fuel         |
| 1:6         | 109-9364           | 1           | Fitting-Fuel (W/Line And<br>Screen) | 34          | 3290-378           | 1           | Tie-Cable          |
| 2           | 107-4543           | 2           | Clamp                               | 36          | 110-1876           | 1           | Hose-Fuel          |
| 3           | 104-8300           | 2           | Nut-Nyloc 5/16-18 Flg               | 38          | 109-0275           | 1           | Hose-Fuel Line 32" |
| 4           | 322-10             | 2           | Screw-HH 5/16-18 X 2                | 40          | 1-643312           | 1           | Clip-Loom          |

## Hydraulic Assembly



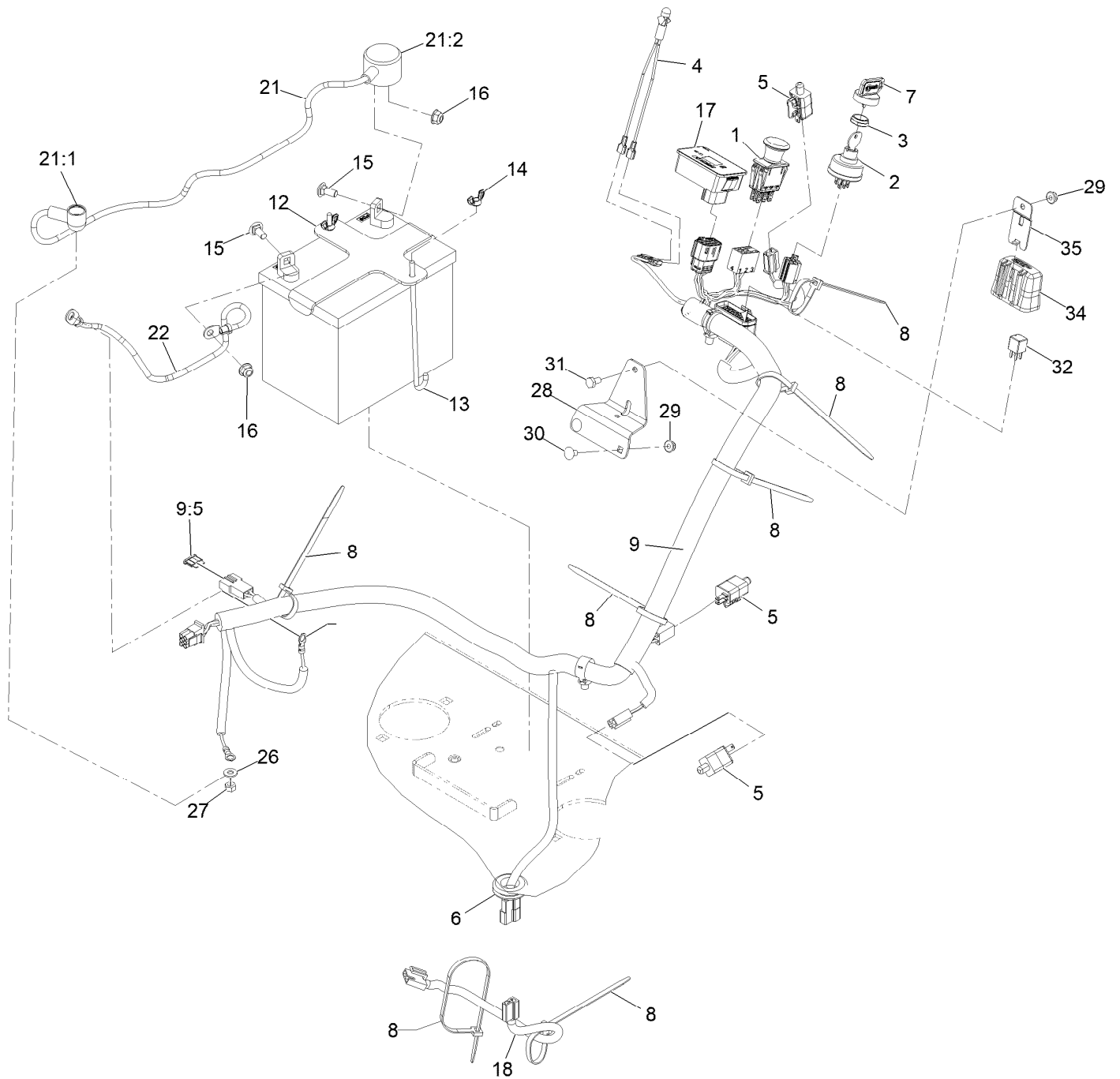
## Hydraulic Assembly (continued)

| <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           | 116-2495           | 1           | Pump-HYD Pe RH TTH           | 15          | 321-3              | 2           | Screw-HH 1/4-20 X 5/8         |
| 1:1         | 103-2664           | 1           | Input Shaft Kit              | 16          | 1-603718           | 2           | HYD Motor ASM                 |
| 1:2         | 94-6922            | 1           | Bearing-Thrust               | 16:1        | 1-000119           | 1           | Seal Kit                      |
| 1:3         | 103-2666           | 1           | Cylinder Block Kit           | 16:2        | 1-000138           | 1           | Bearing And Seal Kit          |
| 1:4         | 105-6184           | 1           | Seal Overhaul Kit            | 17          | 1-603991           | 4           | Adapter-Straight              |
| 1:5         | 126-2479           | 1           | Kit, 10Cc/12Cc Pump Kit      | 17:1        | 237-80             | 1           | O-Ring                        |
| 2           | 116-2494           | 1           | Pump-HYD Pe LH TTH           | 17:2        | 1-603992           | 1           | O-Ring-37 Flare #8            |
| 2:1         | 103-2664           | 1           | Input Shaft Kit              | 18          | 98-5975            | 9           | Washer-Spring Disc 3/8        |
| 2:2         | 94-6922            | 1           | Bearing-Thrust               | 19          | 323-6              | 8           | Screw-HH 3/8-16 X 1           |
| 2:3         | 103-2666           | 1           | Cylinder Block Kit           | 20          | 112-9049           | 2           | Wheel Hub ASM                 |
| 2:4         | 105-6184           | 1           | Seal Overhaul Kit            | 20:2        | 1-633926           | 4           | Stud-Wheel                    |
| 2:5         | 126-2479           | 1           | Kit, 10Cc/12Cc Pump Kit      | 21          | 116-2839           | 2           | Nut-Lock                      |
| 3           | 103-1802           | 2           | Fitting-Elbow, 90 DEG        | 22          | 103-1715           | 2           | Tire And Wheel Assy           |
| 3:1         | 237-42             | 1           | O-Ring                       | 23          | 242-50             | 8           | Nut-Lug 1/2-20                |
| 4           | 1-603990           | 3           | Adapter-Straight             | 24          | 114-8417           | 4           | Nut-HF, NI                    |
| 4:1         | 1-603920           | 1           | O-Ring-SAE #8                | 25          | 3232-3             | 4           | Bolt-Carriage 7/16-14 X 1 1/2 |
| 4:2         | 1-603992           | 1           | O-Ring-37 Flare #8           | 26          | 109-4180           | 1           | Element, Oil Filter           |
| 5           | 103-2153           | 1           | Elbow-90°                    | 27          | 126-1248           | 1           | ASM, HYD Reservoir ■          |
| 5:1         | 1-603920           | 1           | O-Ring-SAE #8                | 27:1        |                    | 1           | Reservoir-HYD ●               |
| 5:2         | 1-603992           | 1           | O-Ring-37 Flare #8           | 27:1:1      | 103-1948           | 1           | Cap-Reservoir, HYD            |
| 6           | 100-4887           | 3           | Fitting-Elbow, 90            | 27:1:2      | 142-2792           | 1           | O-Ring                        |
| 6:1         | 237-42             | 1           | O-Ring                       | 27:2        | 115-4212           | 1           | Decal-Warning                 |
| 7           | 1-413010           | 2           | Sheave ASM                   | 28          | 103-1912           | 1           | Adapter-Straight              |
| 8           | 1-807272           | 2           | Key-5Mm X 5Mm X 25Mm         | 28:1        | 237-42             | 1           | O-Ring                        |
| 9           | 120-6474           | 4           | Screw-Set, SQH 5/16-18 X 3/4 | 29          | 103-2959           | 1           | Hose-Charge                   |
| 10          | 103-4761           | 1           | Belt                         | 30          | 103-1988           | 6           | Clamp-Hose 11/16              |
| 11          | 126-2531           | 1           | ASM, Pump Idler              | 31          | 126-2550           | 1           | Hose, Case                    |
| 11:1        | 109-4077           | 1           | Pulley-Idler, Flat           | 32          | 126-2555           | 1           | Hose, Charge                  |
| 11:3        | 109-8054           | 2           | Bushing-Flanged              | 33          | 32144-44           | 2           | Screw-HWH 1/4-20 X 3/4        |
| 11:4        | 126-1680           | 1           | Screw-HHF                    | 35          | 126-2056           | 2           | Decal-Torque Wheel Lug-Hub    |
| 12          | 116-6316           | 1           | Spring-Extension             | 37          | 126-2954           | 1           | Pivot, Idler                  |
| 13          | 126-0621           | 1           | ASM, Filter Head             | 38          | 1-373034           | 1           | Washer                        |
| 13:2        | 103-1912           | 1           | Adapter-Straight             | 39          | 126-2956           | 1           | Screw-HHF 3/8-16 X 2 1/4      |
| 13:2:1      | 237-42             | 1           | O-Ring                       | 41          | 116-8646           | 3           | Hose,Hydraulic W/Cover        |
| 13:3        | 103-1807           | 1           | Fitting-Barbed, 45 DEG       | 42          | 119-7827           | 1           | HYD Hose ASM                  |
| 13:3:1      | 237-42             | 1           | O-Ring                       |             |                    |             |                               |
| 14          | 1-805004           | 2           | Washer-Lock 1/4 Heavy        |             |                    |             |                               |

● Not serviced separately

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

# Electrical Assembly



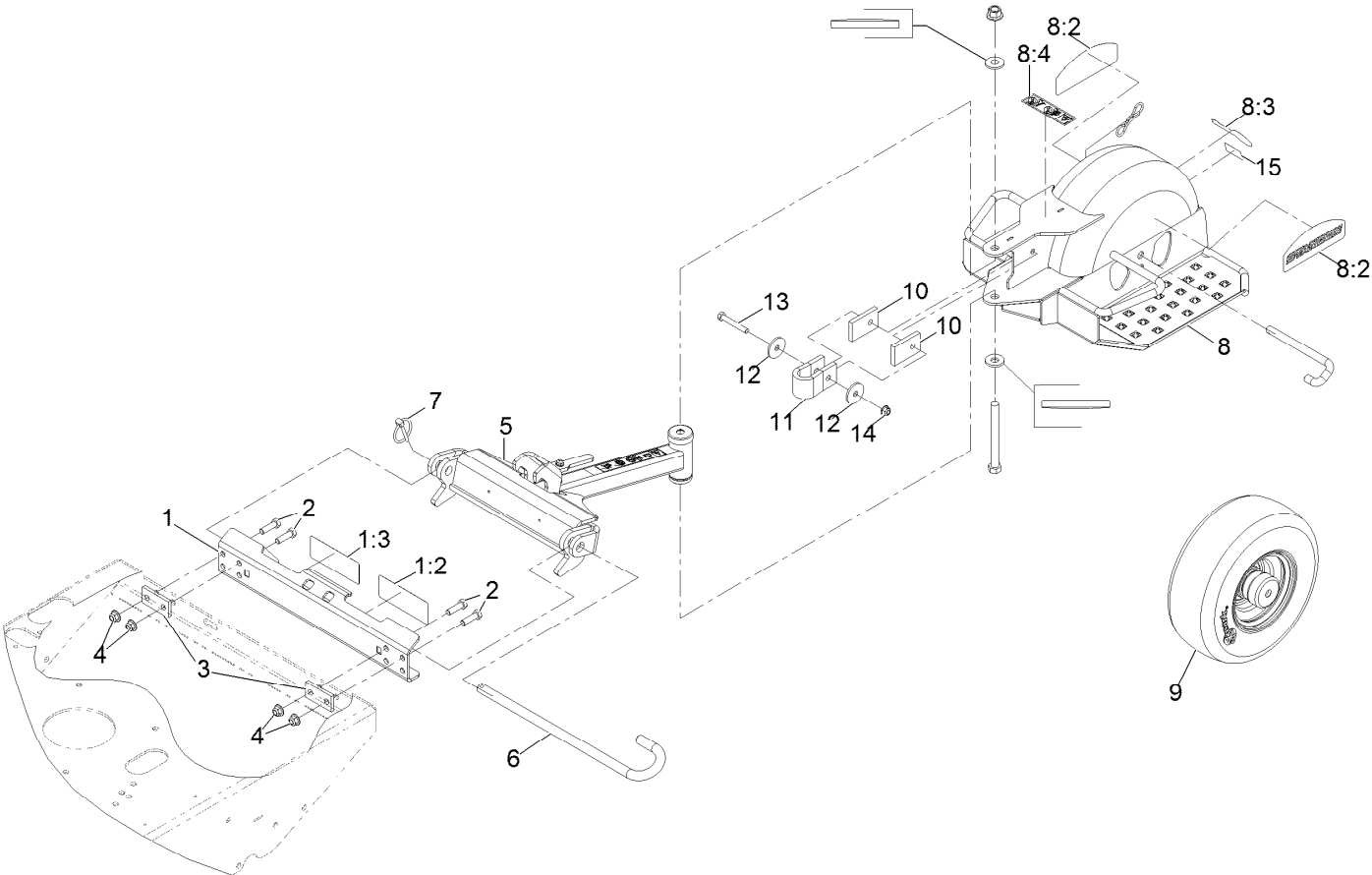
## Electrical Assembly (continued)

| <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>             |
|-------------|--------------------|-------------|-----------------------------|-------------|--------------------|-------------|--------------------------------|
| 1           | 103-5221           | 1           | Switch-PTO                  | 18          | 126-0624           | 1           | Harness-Clutch Pigtail         |
| 2           | 135-2253           | 1           | Switch, Key Start           | 21          | 109-7621           | 1           | Positive Battery Cable ASM     |
| 3           | 103-0498           | 1           | Nut-Ignition                | 21:1        | 1-543393           | 1           | Insulator-Solenoid             |
| 4           | 1-643267           | 1           | Indicator-Red LED           | 21:2        | 109-2407           | 1           | Insulator-Battery              |
| 5           | 110-6765           | 3           | Switch                      | 22          | 1-413540           | 1           | Cable-Battery, Negative ●      |
| 6           | 1-543286           | 1           | Grommet                     | 26          | 3256-22            | 1           | Washer-1/4 SAE                 |
| 7           | 103-2106           | 1           | Key-Exmark Logo             | 27          | 3217-5             | 1           | Nut-Hex 1/4-20                 |
| 8           | 3290-378           | 7           | Tie-Cable                   | 28          | 126-6603-03        | 1           | Bracket-Mounting,<br>Fuseblock |
| 9           | 126-6170           | 1           | Harness-Wire ■              | 29          | 104-7201           | 3           | Nut-Nyloc 1/4-20 Flg           |
| 9:5         | 1-816001           | 1           | Fuse-Blade Type, 20 Amp     | 30          | 3229-10            | 2           | Bolt-Carriage 1/4-20 X 1/2     |
| 12          | 135-2056           | 1           | Bracket, Battery Hold Down  | 31          | 321-2              | 1           | Screw-HH 1/4-20 X 1/2          |
| 13          | 1-633651           | 2           | Bolt-Holddown               | 32          | 126-3991           | 1           | Relay-Micro                    |
| 14          | 1-543792           | 2           | Wingnut-Nyloc 1/4-20        | 34          | 32180-176          | 1           | Cover-Block, Fuse              |
| 15          | 3230-1             | 2           | Bolt-Carriage 5/16-18 X 3/4 | 35          | 32180-177          | 1           | Clip-Mounting                  |
| 16          | 104-8300           | 2           | Nut-Nyloc 5/16-18 Flg       |             |                    |             |                                |
| 17          | 142-2440           | 1           | Module-Hour Meter           |             |                    |             |                                |

● Not illustrated

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

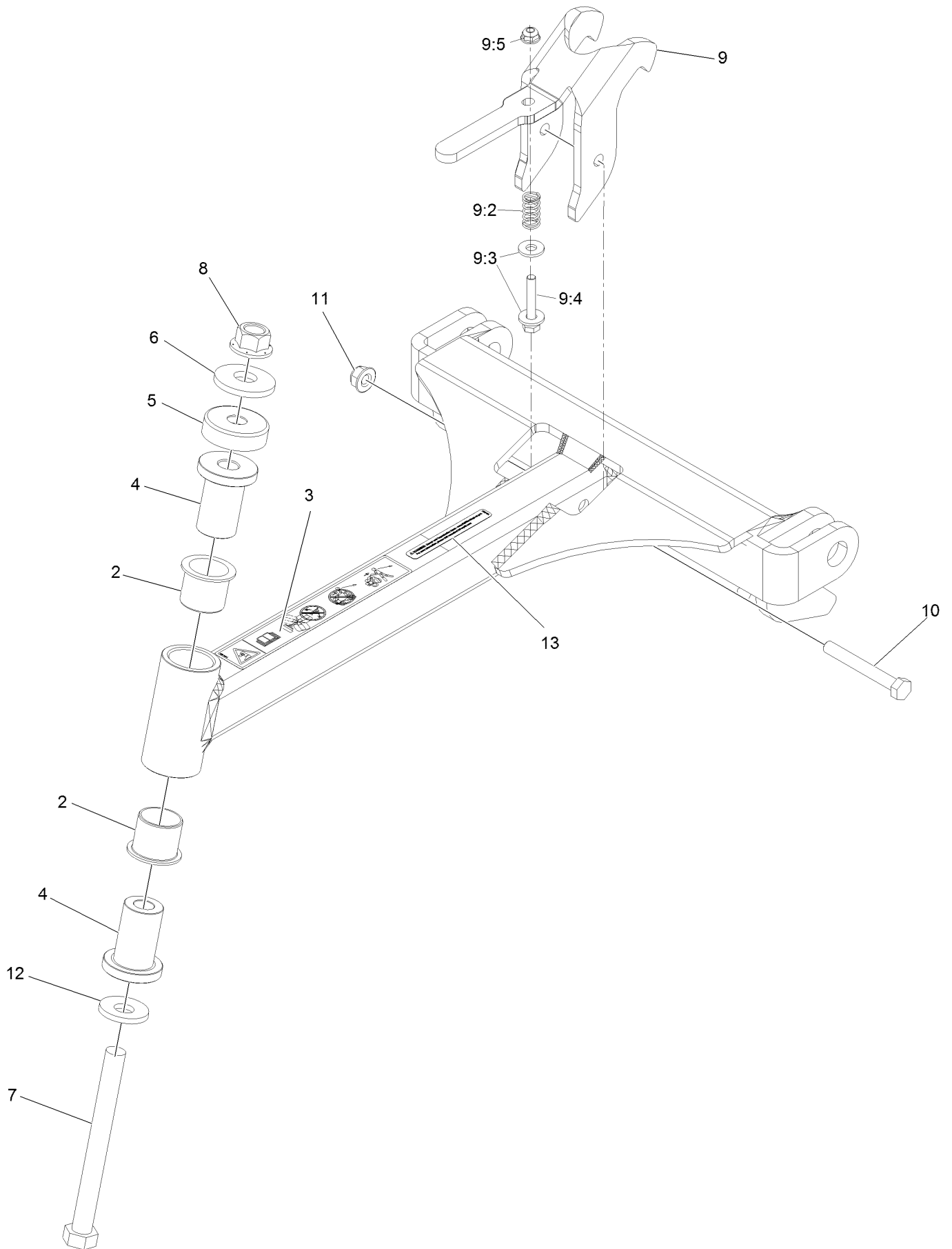
# StandOn Assembly



## StandOn 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           | 126-1955           | 1           | ASM, Mount Plate W/<br>Decals | 8:2         | 126-6893           | 2           | Decal, Standon           |
| 1:2         | 116-8225           | 1           | Decal-Belt Drive Warning      | 8:3         | 126-6894           | 1           | Decal, Exmark            |
| 1:3         | 126-1400           | 1           | Decal-Warning, Sulky          | 8:4         | 135-0300           | 1           | Decal-Warning Hand Pinch |
| 2           | 323-7              | 4           | Screw-HH 3/8-16 X 1 1/4       | 9           | 116-7228           | 1           | ASM, Wheel And Bearings  |
| 3           | 103-6663           | 2           | Plate, Back-Up                | 10          | 103-6654           | 2           | Pad, Stop                |
| 4           | 104-8301           | 4           | Nut-Nyloc 3/8-16 Flg          | 11          | 126-9101           | 1           | Stop, Rotation           |
| 5           | 126-1958           | 1           | ASM, Draw Bar                 | 12          | 1-213069           | 2           | Washer                   |
| 6           | 116-6302           | 1           | Pin, Pivot                    | 13          | 322-11             | 1           | Screw-HH 5/16-18 X 2 1/4 |
| 7           | 92-1298            | 1           | Pin-Lynch                     | 14          | 104-8300           | 1           | Nut-Nyloc 5/16-18 Flg    |
| 8           | 126-1952           | 1           | ASM-Sulky Frame W/<br>Decals  | 15          | 126-4345           | 1           | Decal-Patent             |

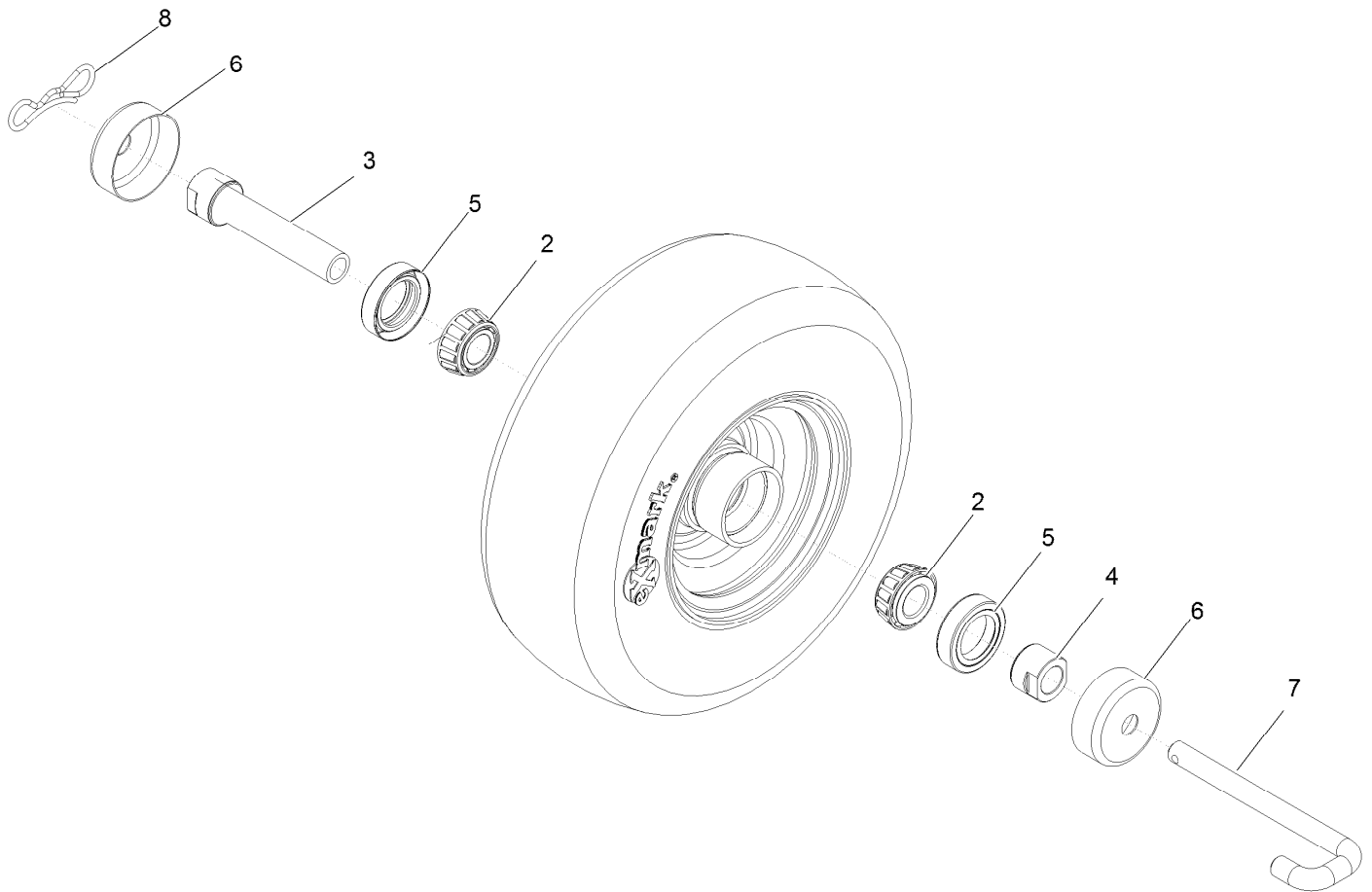
# Drawbar Assembly



## Drawbar 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           | 126-1963           | 2           | Bushing-Pivot       | 9:2         | 116-6523           | 1           | Spring, Compression      |
| 3           | 126-1411           | 1           | Decal-Sulky Hazard  | 9:3         | 3256-2             | 2           | Washer-1/4 Std           |
| 4           | 126-1964           | 2           | Spacer, Pivot       | 9:4         | 321-37             | 1           | Screw-HH                 |
| 5           | 116-6313           | 1           | Cover, Dust         | 9:5         | 104-7201           | 1           | Nut-Nyloc 1/4-20 Flg     |
| 6           | 116-8429           | 1           | Washer-Belleville   | 10          | 322-12             | 1           | Screw-HH 5/16-18 X 2 1/2 |
| 7           | 325-19             | 1           | Screw-HH 1/2-13 X 5 | 11          | 104-8300           | 1           | Nut-Nyloc 5/16-18 Flg    |
| 8           | 99-5107            | 1           | Nut-Lock 1/2-13     | 12          | 1-513435           | 1           | Washer-Spring Disc 1/2   |
| 9           | 126-2125           | 1           | Transport Latch ASM | 13          | 133-8061           | 1           | Decal-Warning            |

# Wheel Assembly



## Wheel 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           | 1-633585           | 2           | Bearing-Cone Tapered<br>Roller | 5           | 103-0063           | 2           | Seal-Double Lip     |
| 3           | 126-5359           | 1           | Caster Axle ASM                | 6           | 103-2768           | 2           | Guard-Seal          |
| 4           | 103-3051           | 1           | Spacer-Nut                     | 7           | 116-6017           | 1           | Pin, Caster         |
|             |                    |             |                                | 8           | 116-6392           | 1           | Pin-Cotter, Locking |

**Notes:**

**Notes:**

**Notes:**



# MAXIMIZE THE PERFORMANCE OF YOUR EXMARK MACHINE.



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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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