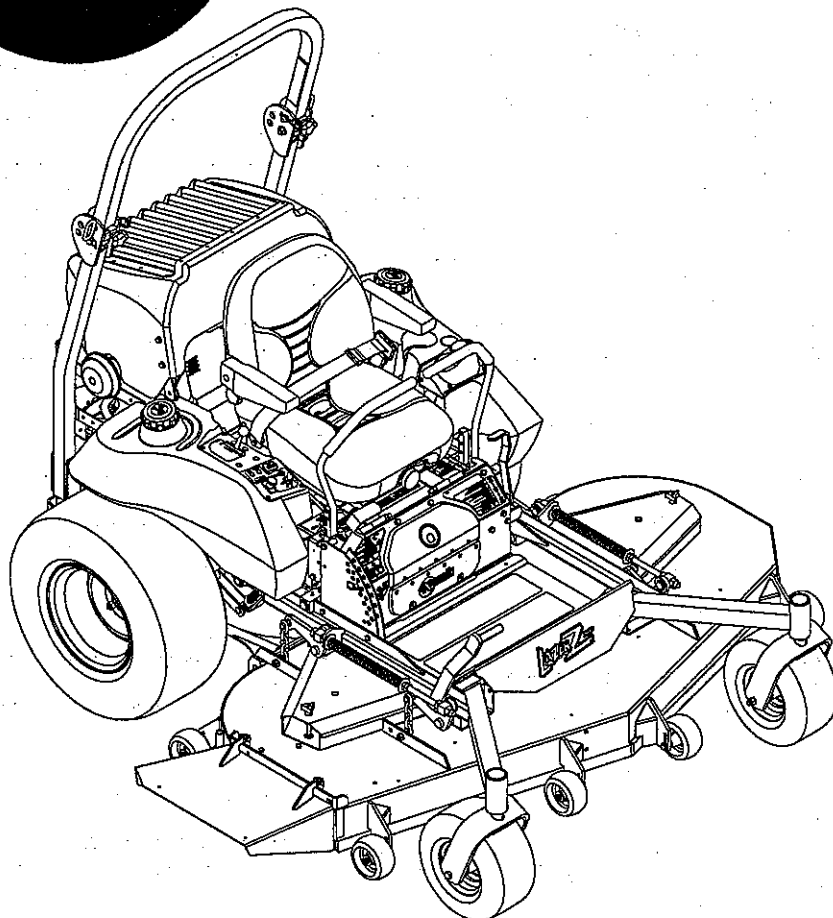


For Serial Nos.  
440,000 & Higher



# PARTS MANUAL

## LAZER Z<sup>®</sup> XP

**CONGRATULATIONS** on the purchase of your new Exmark mower. This product has been carefully designed and manufactured to give you a maximum amount of dependability and years of trouble-free operation. If additional information is needed, or should you require trained mechanic service, contact your authorized Exmark equipment dealer or distributor. If you need to order replacement parts from your dealer, always give the model number and serial number of your mower as well as the part number, description and quantity of the part needed.

The Serial No. plate is located on the right side of the console. For ease of ordering and reference, we suggest that you record the information requested in the following identification table.

Place Model No. and Serial No. Label Here  
(Included in Literature Pack)  
or Fill in Below

Model No. \_\_\_\_\_

Serial No. \_\_\_\_\_

Engine Model No. and Spec. No. (Code) \_\_\_\_\_

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

Date Purchased \_\_\_\_\_

# EXMARK PARTS PLUS® PROGRAM

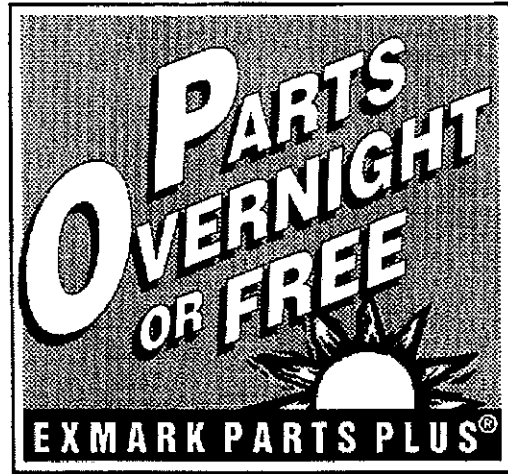
EFFECTIVE DATE: September 1, 1995

## Program

If your Exmark dealer does not have the Exmark part in stock, Exmark will get the parts to the dealer the next business day or the part will be FREE\* Guaranteed!!

## How the Program Works

1. If dealer does not have part in stock for a "down" unit at the time of request by customer, the dealer contacts his distributor by 1:00 p.m., local time, and requests Exmark Parts Plus® shipment of six (6) line items or less.
2. Distributor ships part(s) to dealer or customer, as requested by dealer, same day, overnight UPS. Distributor bills dealer for part and freight charges where applicable.
3. If distributor does not have the part(s) in stock to satisfy Exmark Parts Plus® order, he contacts Exmark by 3:00p.m., central time, with an Exmark Parts Plus® order of six (6) line items or less.
4. If order is received by 3:00 p.m. central time, Exmark ships part(s) direct to dealer or customer, as requested by distributor, same day, overnight UPS. Exmark bills the distributor for parts and shipping charges, where applicable.
5. The customer pays for the part and freight if it is shipped under the Exmark Parts Plus® and if it arrives in accordance to the program.
6. Who pays for the part and freight if it fails to arrive overnight in accordance to the program?
  - A. Under any circumstance the customer does not pay.
  - B. If the part does not arrive overnight due to:
    1. The dealer not submitting the Exmark Parts Plus® order to his Exmark distributor by 1:00 p.m., the dealer pays for the part and freight.
    2. The Distributor being unable to ship the part the same day or not submitting the Exmark Parts Plus® order to Exmark by 3:00 p.m., central time, the Distributor pays for the part and freight.
    3. Exmark being unable to ship the part and the Exmark parts order is received by 3:00 p.m., central time, Exmark pays for the part and freight.
    4. If the part does not arrive overnight due to the shipper (UPS), the shipper pays for the freight and Exmark pays for the part.



**The following restrictions apply --** The Exmark Parts Plus® Program is available only through participating Exmark Dealers and applies only to orders submitted on this program Monday through Thursday. Parts Plus service is available only in the 48 contiguous United States. UPS has initiated a Saturday delivery program to many areas of the continental United States and can be requested for an overnight shipment on Friday to be delivered Saturday. The next day air charge, plus the Saturday delivery fee will be the responsibility of the purchaser. Exmark Mfg. will assume no responsibility for Saturday delivery shipments. To qualify, all Exmark Parts Plus® orders must be received by Exmark by 3:00 p.m., central time. Orders must be six (6) line items or less. Exclusions from the Exmark Parts Plus® Program are: Any wholegood or accessory in its entirety, engines and engine replacement parts, 5-speed Peerless transmissions and 5-speed transaxles, hydraulic or hydrostatic wheel motors, cutter decks and engine decks or any item exceeding United Parcel Service size and weight restrictions.

Due to UPS restrictions, aerosol spray paint is considered a hazardous material and cannot be shipped via UPS next day or Second Day Air.

Exmark Manufacturing stocks a limited supply of parts for transaxles, pumps and wheel motors. These parts can be ordered for Next Day Air shipment but will not be guaranteed per the Parts Plus Program

**READ OPERATOR'S MANUAL BEFORE  
OPERATING OR SERVICING EXMARK EQUIPMENT.**

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## 60" DECK GROUP

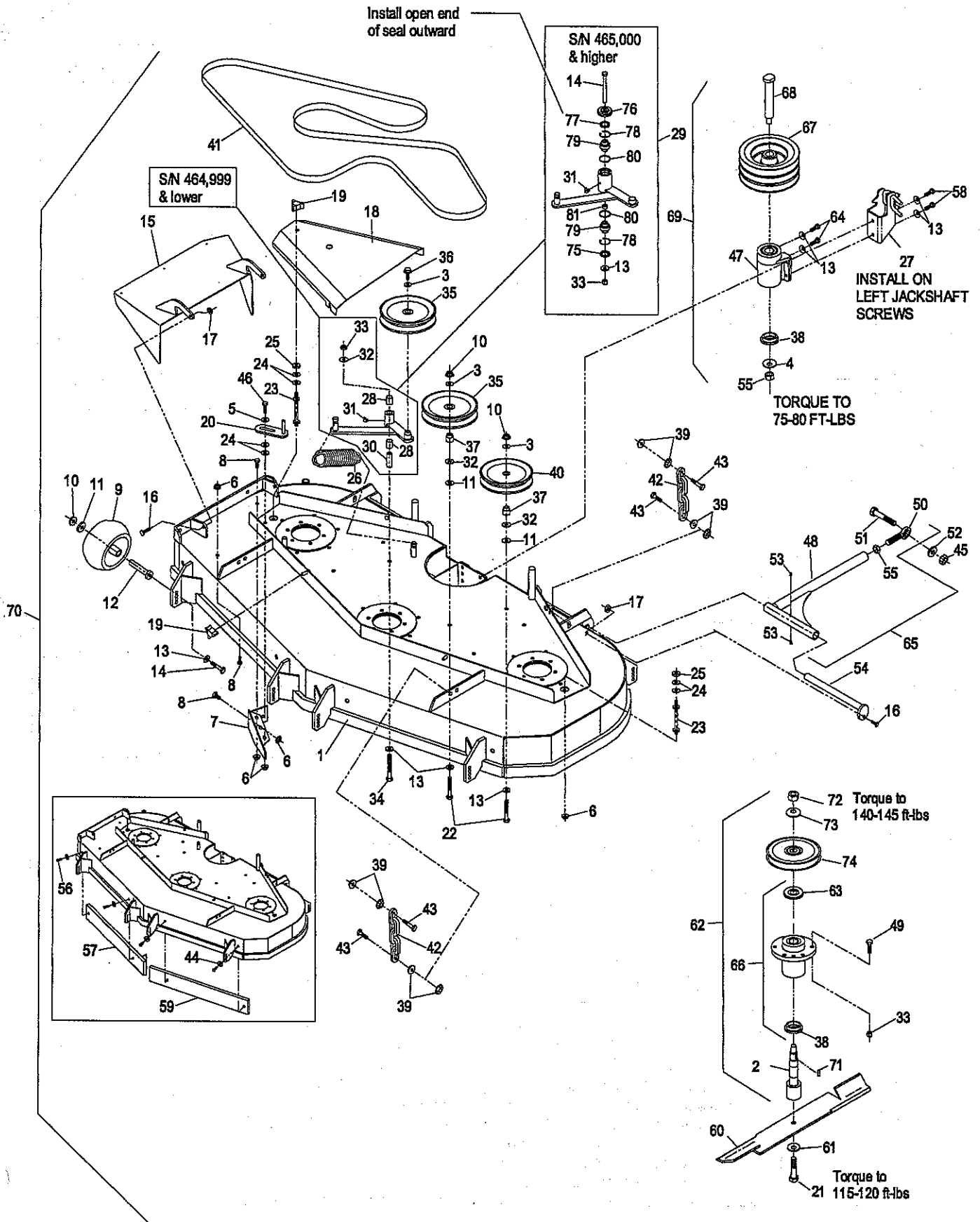
| Item | Part No.    | Description                           | Qty |
|------|-------------|---------------------------------------|-----|
| 1    | 103-1589    | Asm, Deck (103-1423-01) W/Decals..... | 1   |
| 2+   | 103-2785    | Spindle.....                          | 3   |
| 3    | 3256-24     | Washer, 3/8 SAE.....                  | 3   |
| 4    | 1-513208    | Washer, Disc Spring.....              | 1   |
| 5    | 1-303334    | Washer, 5/16 Disc Spring.....         | 1   |
| 6    | 32128-20    | Nut, 5/16-18 Whizlock.....            | 6   |
| 7    | 1-602913-01 | Baffle Wldmt, Discharge.....          | 1   |
| 8    | 322-2       | Screw, 5/16-18 x 5/8.....             | 3   |
| 9★   | 1-603299    | Roller, Antiscalp.....                | 6   |
| 10   | 3290-357    | Nut, 3/8-16 Whizlock.....             | 8   |
| 11   | 1-373034    | Washer, Pivot.....                    | 8   |
| 12   | 1-603602    | Bushing, Roller.....                  | 6   |
| 13   | 98-5975     | Washer, 3/8 Disc Spring.....          | 13  |
| 14●  | 98-5961     | Screw, 3/8-16 x 4 Gr 8.....           | 6   |
| ■    | 98-5961     | Screw, 3/8-16 x 4 Gr 8.....           | 7   |
| 15   | 103-5840-01 | Chute, Discharge 60".....             | 1   |
| 16   | 322-5       | Screw, 5/16-18 x 1.....               | 4   |
| 17   | 3296-29     | Nut, 5/16-18 Nyloc.....               | 4   |
| 18   | 1-633084-01 | Shield, Belt 60" (RH).....            | 1   |
|      | 103-1470-01 | Shield, Belt 60" (LH).....            | 1   |
| 19   | 1-323385    | Knob, Belt Shield.....                | 6   |
| 20   | 1-322110    | Belt Guide Wldmt.....                 | 1   |
| 21   | 103-0862    | Screw, 5/8-18 x 2 3/4 Gr 8.....       | 3   |
| 22   | 323-11      | Screw, 3/8-16 x 2 1/4.....            | 2   |
| 23   | 1-303537    | Stud, Belt Shield.....                | 2   |
| 24   | 3256-3      | Washer 5/16 Std Flat.....             | 6   |
| 25   | 1-323417    | Washer, Rubber.....                   | 2   |
| 26   | 103-3330    | Spring, Extension.....                | 1   |
| 27   | 103-3445-01 | Guard, Jackshaft Belt.....            | 1   |
| 28●  | 103-4681    | Bearing, Pivot.....                   | 2   |
| 29*  | 103-5693    | Kit, Idler Arm (103-6528-01)          |     |
|      |             | W/Bearings.....                       | 1   |
| 30●  | 1-603044    | Bushing, Idler Pivot.....             | 1   |
| 31   | 302-40      | Zerk, 1/4-20 90°.....                 | 1   |
| 32●  | 3256-4      | Washer, 3/8 Std Flat.....             | 4   |
| ■    | 3256-4      | Washer, 3/8 Std Flat.....             | 2   |
| 33   | 3296-39     | Nut, 3/8-16 Nyloc.....                | 19  |
| 34●  | 323-13      | Screw, 3/8-16 x 2 3/4.....            | 1   |
| 35   | 1-633109    | Idler Pulley 6.00 Dia Flat.....       | 2   |
| 36   | 3234-11     | Bolt, 3/8-16 x 1 Flange.....          | 1   |
| 37   | 1-633456    | Bushing, Idler.....                   | 2   |
| 38   | 103-2535    | Spacer, Guard Bottom.....             | 4   |
| 39   | 32128-37    | Nut, 7/16-14 Whizlock.....            | 16  |
| 40   | 1-603805    | Idler Pulley 5.06 O.D. V.....         | 1   |
| 41   | 1-633127    | Belt, Blade Drive 60" Deck.....       | 1   |

| Item | Part No.    | Description                     | Qty |
|------|-------------|---------------------------------|-----|
| 42   | 1-633447    | Chain.....                      | 4   |
| 43   | 103-1898    | Screw, 7/16-14 x 1-5/8 Sp.....  | 8   |
| 44   | 1-513435    | Washer, 1/2 Disc Spring.....    | 4   |
| 45   | 3217-11     | Nut, 5/8-11 Hex.....            | 2   |
| 46   | 322-6       | Screw, 5/16-18 x 1 1/4.....     | 1   |
| 47+  | 103-2544    | Asm, Jackshaft Hsg W/Brgs.....  | 1   |
| 48   | 103-1355-01 | Strut Wldmt, Deck.....          | 2   |
| 49   | 323-8       | Screw, 3/8-16 x 1 1/2.....      | 18  |
| 50   | 1-633029    | Spherical Rod End.....          | 2   |
| 51   | 327-28      | Screw, 5/8-11 x 5 1/2.....      | 2   |
| 52   | 3253-8      | Lockwasher, 5/8 Reg.Spring..... | 2   |
| 53   | 302-19      | Zerk, 1/4-28 Straight.....      | 4   |
| 54   | 1-632199-01 | Pin Wldmt, Deck Strut.....      | 2   |
| 55   | 3219-6      | Nut, 5/8-18 Hex.....            | 3   |
| 56   | 325-4       | Screw, 1/2-13 x 1.....          | 4   |
| 57   | 103-1522-01 | Weight Bar Wldmt.....           | 1   |
| 58   | 323-7       | Screw, 3/8-16 x 1 1/4.....      | 2   |
| 59   | 103-1515-01 | Weight Bar.....                 | 1   |
| 60   | 103-2530    | Blade, Notched.....             | 3   |
|      | 103-2510    | Blade, Low Lift.....            | 3   |
| +    | 103-0301    | Blade, Mulching.....            | 3   |
|      | 103-1580    | Blade, Solid.....               | 3   |
|      | 103-6338    | Blade, Extreme.....             | 3   |
| 61   | 103-0865    | Washer, Disc Spring.....        | 3   |
| 62◇  | 103-3200    | Cutter Housing Complete.....    | 3   |
| 63+  | 103-1330    | Guard, Bearing Top.....         | 3   |
| 64   | 323-6       | Screw, 3/8-16 x 1.....          | 2   |
| 65   | 103-1356    | Strut Wldmt S/A.....            | 2   |
| 66+  | 103-2547    | Housing W/Bearings.....         | 3   |
| 67+  | 103-5381    | Sheave, Jackshaft Triple.....   | 1   |
| 68+  | 1-643393    | Jackshaft.....                  | 1   |
| 69   | 103-0929    | Jackshaft Assy.....             | 1   |
| 70▽  | 103-1588    | Complete Deck Assy.....         | 1   |
| 71   | 103-2982    | Key, 1/4 x 3/16 x 3/4.....      | 3   |
| 72   | 3217-46     | Nut, HH 3/4-16 Heavy.....       | 3   |
| 73   | 103-2802    | Washer, Disc Spring 3/4.....    | 3   |
| 74+  | 103-2794    | Sheave, Blade Drive.....        | 3   |
| 75■  | 103-3505    | Seal, Double, Lip.....          | 1   |
| 76■  | 103-2916    | Guard, Top.....                 | 1   |
| 77■  | 103-3506    | Seal, Single Lip.....           | 1   |
| 78■  | 32120-10    | Ring, Retaining.....            | 2   |
| 79■  | 103-3504    | Bearing, Spherical.....         | 2   |
| 80■  | 106-7159    | O-ring.....                     | 2   |
| 81■  | 103-5677    | Spacer.....                     | 1   |

Exmark red touch up spray paint - P/N 1-850337.

- ✦ Apply Mobil HTS grease (P/N 103-5217 1.5 oz packet) (or a food-grade antisieze) between the jackshaft and bearings, jackshaft and sheaves, spindles and bearings, spindles and sheaves, and under top bearing guard. DO NOT use a copper or nickel based antisieze.
- ▽ Complete deck assembly does not include items 39, 42, & 43, but does include 2 belts (item 69, pg. 15).
- ★ Kit 103-3168 includes antiscalp roller, bushing, & mounting hardware.
- ✦ Requires installation of Micro-Mulch accessory for proper mulching. Mulch kit P/N MK604.
- ◇ Complete cutter housing assembly also includes items 61 & 21.
- This component is required for units with S/N 464,999 and lower.
- This component is required for units with S/N 465,000 and higher.
- ✕ 103-5693 kit includes components shown for S/N 465,000 and higher and services all serial numbers.

# 60" DECK GROUP



## 72" DECK GROUP

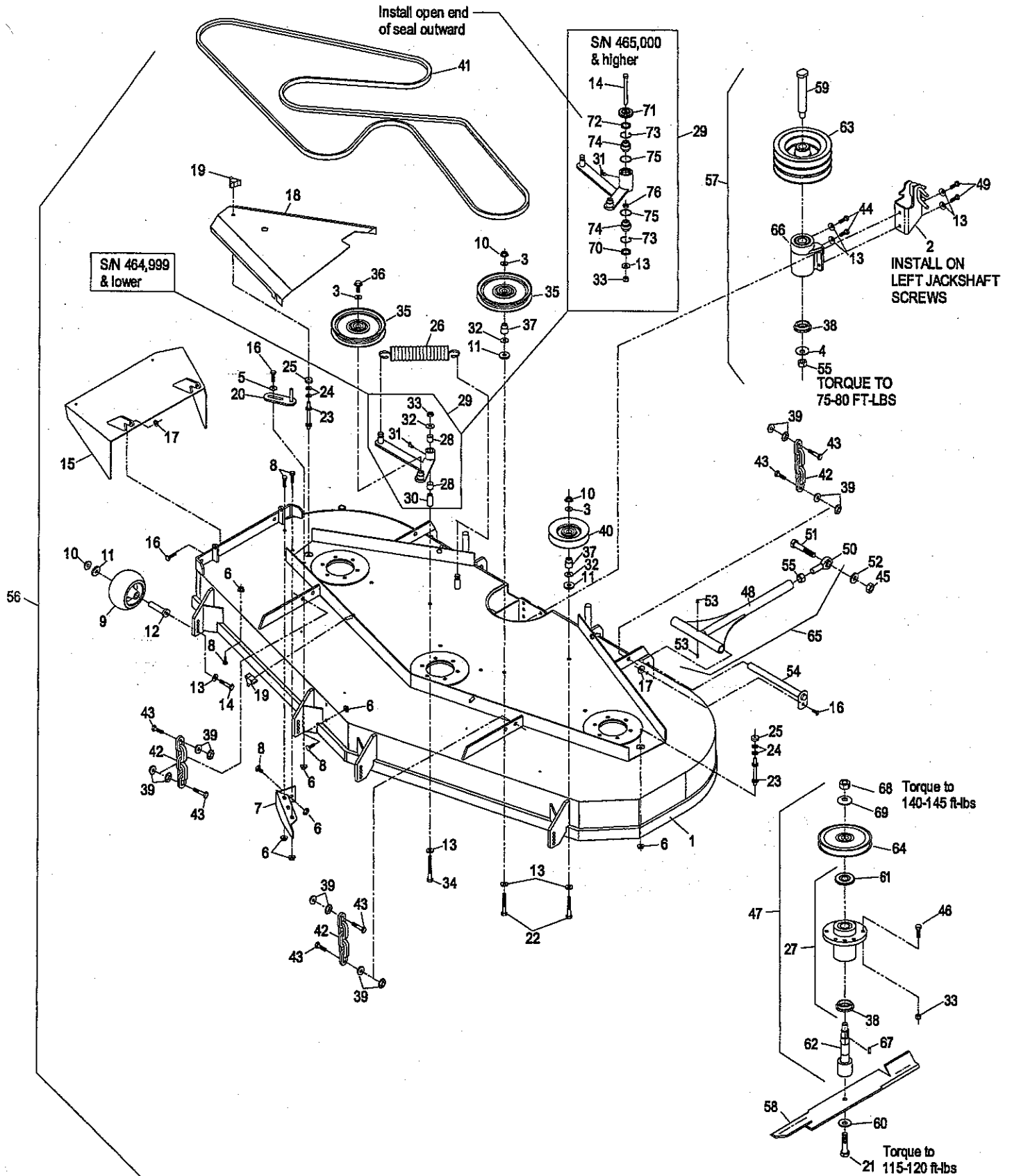
| Item | Part No     | Description                                     | Qty |
|------|-------------|-------------------------------------------------|-----|
| 1    | 103-1591    | Asm, Deck (103-3032-01) W/Decals.....           | 1   |
| 2    | 103-3445-01 | Guard, Jackshaft Belt.....                      | 1   |
| 3    | 3256-24     | Washer, 3/8 SAE.....                            | 3   |
| 4    | 1-513208    | Washer, Disc Spring.....                        | 1   |
| 5    | 1-303334    | Washer, 5/16 Disc Spring.....                   | 1   |
| 6    | 32128-20    | Nut, 5/16-18 Whizlock.....                      | 8   |
| 7    | 1-602913-01 | Baffle Wldmt, Discharge.....                    | 1   |
| 8    | 322-2       | Screw, 5/16-18 x 5/8.....                       | 6   |
| 9★   | 1-603299    | Roller, Antiscalp.....                          | 6   |
| 10   | 3290-357    | Nut, 3/8-16 Whizlock.....                       | 8   |
| 11   | 1-373034    | Washer, Pivot.....                              | 8   |
| 12   | 1-603602    | Bushing, Roller.....                            | 6   |
| 13   | 98-5975     | Washer, 3/8 Disc Spring.....                    | 13  |
| 14●  | 98-5961     | Screw, 3/8-16 x 4 Gr 8.....                     | 6   |
| ■    | 98-5961     | Screw, 3/8-16 x 4 Gr 8.....                     | 7   |
| 15   | 1-642071-01 | Chute, Discharge 72".....                       | 1   |
| 16   | 322-5       | Screw, 5/16-18 x 1.....                         | 5   |
| 17   | 3296-29     | Nut, 5/16-18 Nylock.....                        | 4   |
| 18   | 1-643076-01 | Shield, Belt 72" (RH).....                      | 1   |
|      | 1-643075-01 | Shield, Belt 72" (LH).....                      | 1   |
| 19   | 1-323385    | Knob, Belt Shield.....                          | 6   |
| 20   | 1-322110    | Belt Guide Wldmt.....                           | 1   |
| 21   | 103-0862    | Screw, 5/8-18 x 2 3/4 Gr 8.....                 | 3   |
| 22   | 323-11      | Screw, 3/8-16 x 2 1/4.....                      | 2   |
| 23   | 1-303537    | Stud, Belt Shield.....                          | 2   |
| 24   | 3256-3      | Washer 5/16 Std Flat.....                       | 4   |
| 25   | 1-323417    | Washer, Rubber.....                             | 2   |
| 26   | 103-3330    | Spring, Extension.....                          | 1   |
| 27+  | 103-2547    | Housing W/Bearings.....                         | 3   |
| 28●  | 103-4681    | Bearing, Pivot.....                             | 2   |
| 29*  | 103-5693    | Kit, Idler Arm (103-6528-01)<br>W/Bearings..... | 1   |
| 30●  | 1-603044    | Bushing, Idler Pivot.....                       | 1   |
| 31   | 302-40      | Zerk, 1/4-20 90°.....                           | 1   |
| 32●  | 3256-4      | Washer, 3/8 Std Flat.....                       | 4   |
| ■    | 3256-4      | Washer, 3/8 Std Flat.....                       | 2   |
| 33   | 3296-39     | Nut, 3/8-16 Nyloc.....                          | 19  |
| 34●  | 323-13      | Screw, 3/8-16 x 2 3/4.....                      | 1   |
| 35   | 1-633109    | Idler Pulley 6.00 Dia Flat.....                 | 2   |
| 36   | 3234-11     | Bolt, 3/8-16 x 1 Flange.....                    | 1   |
| 37   | 1-633456    | Bushing, Idler.....                             | 2   |
| 38   | 103-2535    | Spacer, Guard Bottom.....                       | 4   |

| Item | Part No     | Description                     | Qty |
|------|-------------|---------------------------------|-----|
| 39   | 32128-37    | Nut, 7/16-14 Whizlock.....      | 18  |
| 40   | 1-603805    | Idler Pulley 5.06 O.D. V.....   | 1   |
| 41   | 1-643052    | Belt, Blade Drive 72" Deck..... | 1   |
| 42   | 1-633447    | Chain.....                      | 4   |
| 43   | 103-1898    | Screw, 7/16-14 x 1-5/8 Sp.....  | 8   |
| 44   | 323-6       | Screw, 3/8-16 x 1.....          | 2   |
| 45   | 3217-11     | Nut, 5/8-11 Hex.....            | 2   |
| 46   | 323-8       | Screw, 3/8-16 1 1/2.....        | 18  |
| 47◇  | 103-3206    | Cutter Housing Complete.....    | 3   |
| 48   | 103-0100-01 | Strut Wldmt, Deck.....          | 2   |
| 49   | 323-7       | Screw, 3/8-16 x 1 1/4.....      | 2   |
| 50   | 1-633029    | Spherical Rod End.....          | 2   |
| 51   | 327-28      | Screw, 5/8-11 x 5 1/2.....      | 2   |
| 52   | 3253-8      | Lockwasher, 5/8 Reg.Spring..... | 2   |
| 53   | 302-19      | Zerk, 1/4-28 Straight.....      | 4   |
| 54   | 1-632199-01 | Pin Wldmt, Deck Strut.....      | 2   |
| 55   | 3219-6      | Nut, 5/8-18 Hex.....            | 3   |
| 56V  | 103-1590    | Complete Deck Assy.....         | 1   |
| 57   | 1-643393    | Jackshaft Assy.....             | 1   |
| 58   | 103-2531    | Blade, Notched.....             | 3   |
|      | 103-2511    | Blade, Low Lift.....            | 3   |
| +    | 103-2521    | Blade, Mulching.....            | 3   |
|      | 103-1581    | Blade, Solid.....               | 3   |
|      | 103-6339    | Blade, Extreme.....             | 3   |
| 59+  | 1-643393    | Jackshaft.....                  | 1   |
| 60   | 103-0865    | Washer, Disc Spring.....        | 3   |
| 61+  | 103-1330    | Guard, Bearing Top.....         | 3   |
| 62+  | 103-2785    | Spindle.....                    | 3   |
| 63+  | 103-5381    | Sheave, Jackshaft Triple.....   | 1   |
| 64+  | 103-2795    | Sheave, Blade Drive.....        | 3   |
| 65   | 103-0840    | Strut Wldmt S/A.....            | 2   |
| 66+  | 103-2544    | Asm, Jackshaft Hsg w/ Brgs..... | 1   |
| 67   | 103-2982    | Key, 1/4 x 3/16 x 3/4.....      | 3   |
| 68   | 3217-46     | Nut, HH 3/4-16 Heavy.....       | 3   |
| 69   | 103-2802    | Washer, Disc Spring 3/4.....    | 3   |
| 70■  | 103-3505    | Seal, Double, Lip.....          | 1   |
| 71■  | 103-2916    | Guard, Top.....                 | 1   |
| 72■  | 103-3506    | Seal, Single Lip.....           | 1   |
| 73■  | 32120-10    | Ring, Retaining.....            | 2   |
| 74■  | 103-3504    | Bearing, Spherical.....         | 2   |
| 75■  | 106-7159    | O-ring.....                     | 2   |
| 76■  | 103-5677    | Spacer.....                     | 1   |

Exmark red touch up spray paint - P/N 1-850337.

- ✦ Apply Mobil HTS grease (P/N 103-5217 1.5 oz packet) (or a food-grade antisieze) between the jackshaft and bearings, jackshaft and sheaves, spindles and bearings, spindles and sheaves, and under top bearing guard. DO NOT use a copper or nickel based antisieze.
- ▽ Complete deck assembly does not include items 39, 42, & 43, but does include 2 belts (item 69, pg. 15).
- ★ Kit 103-3168 includes antiscalp roller, bushing, & mounting hardware.
- ◆ Requires installation of Micro-Mulch accessory for proper mulching. Mulch kit P/N MK724.
- ◇ Complete cutter housing assembly also includes items 60 & 21.
- This component is required for units with S/N 464,999 and lower.
- This component is required for units with S/N 465,000 and higher.
- \* 103-5693 kit includes components shown for S/N 465,000 and higher and services all serial numbers.

# 72" DECK GROUP



# FRONT FRAME GROUP

| Item | Part No.    | Description                                           | Qty. |
|------|-------------|-------------------------------------------------------|------|
| 1▲   | 103-5839    | Asm, Front Frame 60".....                             | 1    |
| ▲    | 103-5475    | Asm, Front Frame 72".....                             | 1    |
| 2    | 302-19      | Zerk, 1/4-28 Straight.....                            | 5    |
| 3    | 103-3527    | Asm, Floorpan (103-3242-01)<br>w/Decals And Pads..... | 1    |
| 4    | 1-633553    | Pad, Anti Skid.....                                   | 2    |
| 5    | 103-2084    | Lever (103-2083-03)W/Grip.....                        | 1    |
| 6    | 1-633295    | Grip, Lift Lever.....                                 | 1    |
| 7    | 103-2064-03 | Arm Wldmt, Deck Lift.....                             | 1    |
| 8    | 1-633325    | Spring, Compression.....                              | 1    |
| 9    | 3256-24     | Washer, 3/8 SAE Flat.....                             | 1    |
| 10   | 3296-39     | Nut, Nyloc 3/8-16.....                                | 5    |
| 11   | 32151-103   | E-Ring.....                                           | 5    |
| 12   | 1-633068    | Arm, Deck Lift.....                                   | 2    |
| 13   | 1-633889-01 | Plate, Deck Lift.....                                 | 1    |
| 14   | 1-632899-01 | Plate Wldmt, Deck Lift.....                           | 1    |
| 15   | 1-633082    | Bushing, Lift Lever.....                              | 1    |
| 16   | 1-633080    | Bushing, Lift Lever.....                              | 1    |
| 17   | 323-13      | Screw, 3/8-16 x 2 3/4.....                            | 1    |
| 18   | 1-633097    | Hitch Pin W/Lanyard.....                              | 1    |
| 19   | 1-806005    | Hairpin Cotter.....                                   | 1    |
| 20   | 323-9       | Screw, 3/8-16 x 1 3/4.....                            | 2    |
| 21   | 98-5975     | Washer, 3/8 Disc Spring.....                          | 16   |
| 22   | 3290-357    | Nut, Whizlock 3/8-16.....                             | 19   |
| 23   | 323-6       | Screw, 3/8-16 x 1 60".....                            | 1    |
|      | 323-6       | Screw, 3/8-16 x 1 72".....                            | 5    |
| 24   | 323-7       | Screw, 3/8-16 x 1 1/4.....                            | 12   |
| 25   | 3256-29     | Washer, 7/8 SAE Flat.....                             | 4    |
| 26   | 1-633096    | Rod, Deck Lift.....                                   | 2    |
| 27   | 3217-11     | Nut, 5/8-11 Regular.....                              | 6    |
| 28   | 1-633441    | Swivel, Deck Mount.....                               | 4    |
| 29   | 3256-7      | Washer, 5/8 Std Flat.....                             | 4    |
| 30   | 1-643015    | Spring, Deck Support.....                             | 2    |
| 31   | 3218-6      | Jam Nut, 5/8-11.....                                  | 6    |
| 32   | 103-4882    | Cap, Grease.....                                      | 2    |

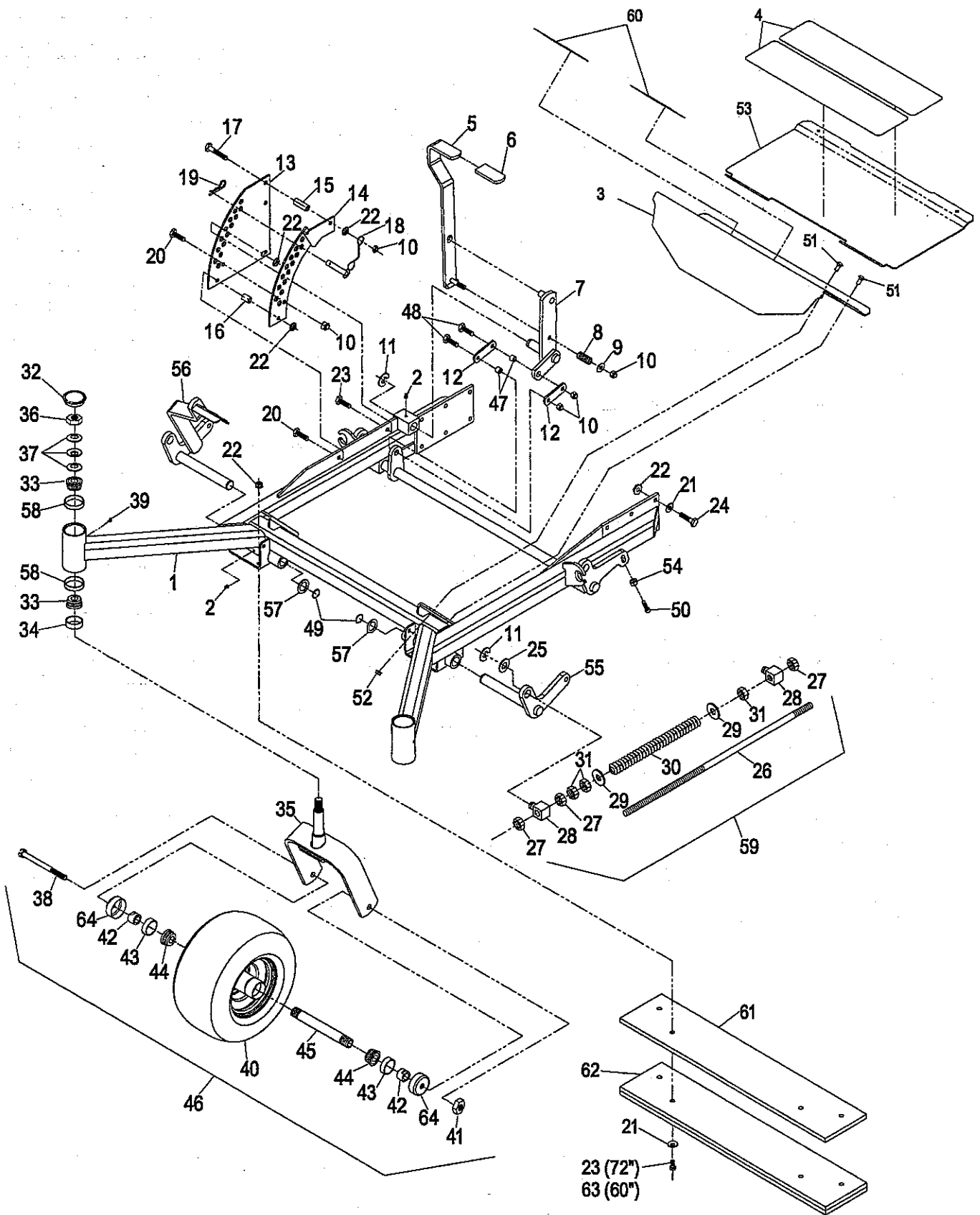
| Item | Part No.    | Description                                         | Qty. |
|------|-------------|-----------------------------------------------------|------|
| 33   | 1-543509    | Bearing Cone, Tapered Roller.....                   | 4    |
| 34   | 1-543511    | Seal, Grease.....                                   | 2    |
| 35   | 103-1474-01 | Caster Wldmt.....                                   | 2    |
| 36   | 3296-51     | Nut, 3/4-10 Nyloc.....                              | 2    |
| 37   | 1-633508    | Washer, Spring Disk.....                            | 6    |
| 38   | 325-39      | Screw, 1/2-13 x 9 1/2.....                          | 2    |
| 39   | 1-811010    | Plug.....                                           | 2    |
| 40   | 1-523009    | 13x6.5-6 4 Ply (Pneumatic).....                     | 2    |
| 41   | 3296-23     | Nut, 1/2-13 Nyloc.....                              | 2    |
| 42+  | 103-3051    | Spacer, Nut.....                                    | 4    |
| 43   | 103-0063    | Seal, Bearing.....                                  | 4    |
| 44   | 1-633585    | Bearing Cone.....                                   | 4    |
| 45   | 103-5156    | Axle, Caster.....                                   | 2    |
| 46   | 103-5188    | Asm, Caster Wheel (Pneumatic).....                  | 2    |
|      | 103-3799    | Asm, Caster Wheel (Semi-Pneumatic) ..               | 2    |
| 47   | 103-1918    | Bushing.....                                        | 2    |
| 48   | 323-29      | Screw, 3/8-16 x 1 3/8.....                          | 2    |
| 49   | 32151-29    | Ring, Retaining.....                                | 2    |
| 50   | 3274-18     | Screw, 5/16-18 x 1 1/4.....                         | 2    |
| 51   | 3230-1      | Bolt, Carriage 5/16-18 x .75.....                   | 4    |
| 52   | 32128-20    | Nut, Whizlock 5/16-18.....                          | 4    |
| 53   | 103-3528    | Asm, Floorpan (103-3241-01)<br>w/pads & decals..... | 1    |
| 54   | 3218-2      | Jam Nut, 5/16-18.....                               | 2    |
| 55   | 103-1955-01 | Weldmt, Front Lift Shaft (LH).....                  | 1    |
| 56   | 103-2013-01 | Weldmt, Front Lift W/Lever(RH).....                 | 1    |
| 57   | 1-523157    | Washer, Spacer.....                                 | 2    |
| 58   | 1-543508    | Bearing Cup, Tapered Roller.....                    | 4    |
| 59   | 103-2047    | Asm, Deck Lift Spring.....                          | 2    |
| 60   | 106-6572    | Pad, Antiskid.....                                  | 2    |
| 61   | 100-2333-01 | Weight Bar, 60" & 72".....                          | 1    |
| 62   | 99-4646-01  | Weight Bar, 60".....                                | 1    |
| 63   | 323-8       | Screw, 3/8-16 x 1 1/2 60".....                      | 4    |
| 64   | 103-2768    | Guard, Seal.....                                    | 4    |

Exmark red touch up spray paint - P/N 1-850337.

✚ Use Pro-Lock, Nut Type (P/N 1-840022, .5ml tube) on spacer nut.

▲ Includes frame weldment plus items #32, #34, #39, #49, #55, #56, #57, and #58.

# FRONT FRAME GROUP



## MAIN FRAME GROUP

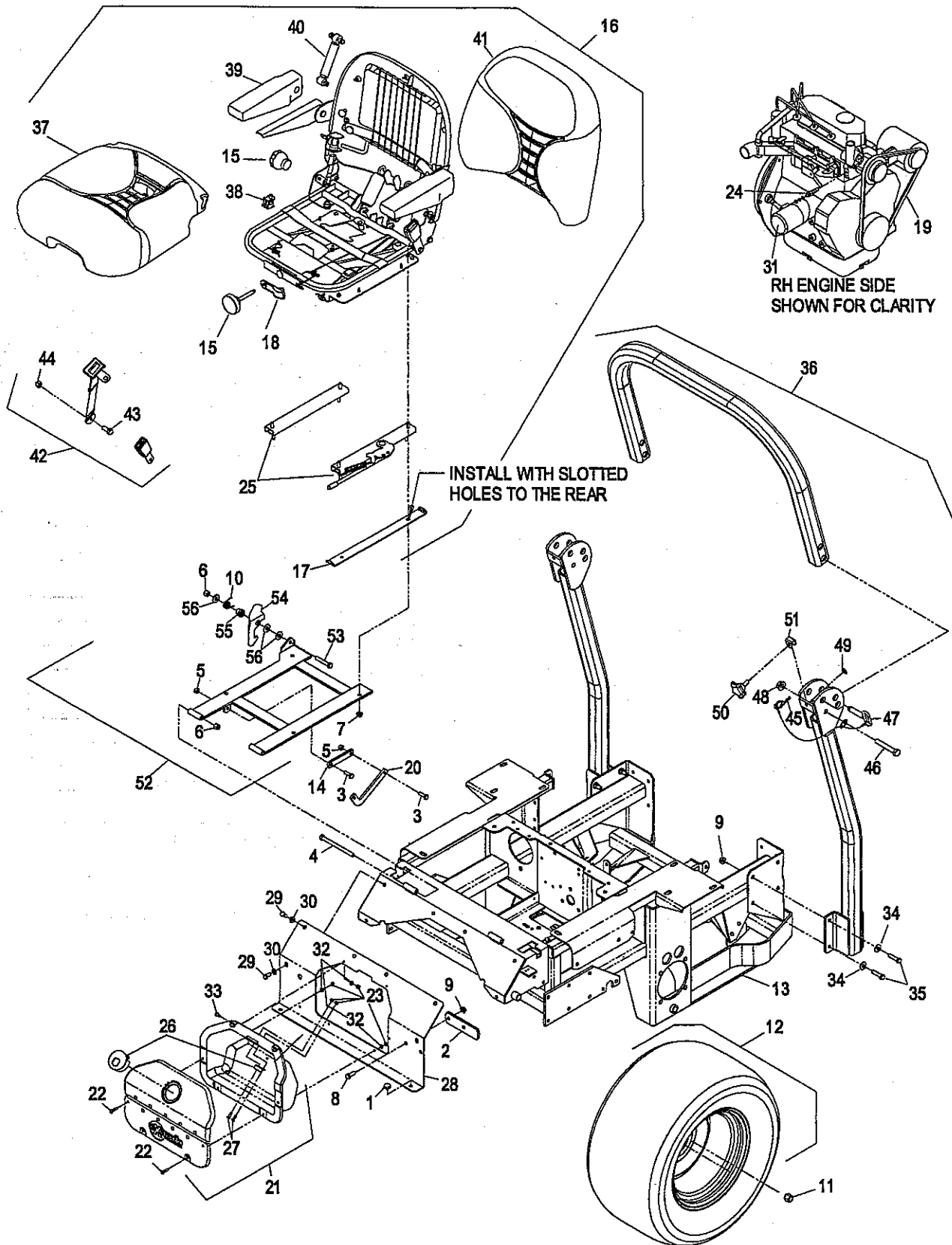
| Item | Part No.          | Description                                     | Qty. |
|------|-------------------|-------------------------------------------------|------|
| 1    | 1-513658          | Bumper.....                                     | 2    |
| 2    | 1-633964-03       | Stop, Park Brake.....                           | 1    |
| 3    | 322-5             | Screw, 5/16-18 x 1.....                         | 4    |
| 4    | 323-39            | Screw, 3/8-16 x 5.....                          | 2    |
| 5    | 3296-29           | Nut, Nyloc 5/16-18.....                         | 4    |
| 6    | 3296-39           | Nut, Nyloc 3/8-16.....                          | 3    |
| 7    | 32128-20          | Nut, Whizlock 5/16-18.....                      | 4    |
| 8    | 323-6             | Screw, 3/8-16 x 1.....                          | 2    |
| 9    | 3290-357          | Nut, Whizlock 3/8-16.....                       | 10   |
| 10   | 103-5519          | Spring.....                                     | 1    |
| 11   | 242-50            | Nut, Wheel 1/2-20.....                          | 8    |
| 12   | 103-4962          | Wheel/Tire Assy.....                            | 2    |
|      | 103-4963          | Tire, 26x12-12 4 Ply.....                       | 2    |
|      | 1-633992          | Wheel.....                                      | 2    |
| 13   | 103-5890          | Asm, Engine Deck (103-6349-03)<br>w/Decals..... | 1    |
| 14   | 103-5161          | Link, XP seat stop.....                         | 2    |
| 15   | 107-1881          | Knob Kit.....                                   | 1    |
| 16▲  | LSSEAT            | Seat, Suspension.....                           | 1    |
| 17   | 1-633872-03       | Stop, Seat.....                                 | 2    |
| 18   | 107-1885          | Weight Indicator Kit.....                       | 1    |
| 19   | Briggs & Stratton | P/N 821075 Engine V-Belt.....                   | 1    |
| 20   | 103-5181          | Link, XP lower seat stop.....                   | 2    |
| 21   | 103-3666          | Asm, Cubby.....                                 | 1    |
| 22   | 32122-28          | Screw, Truss HD #10-24 x 1.....                 | 4    |
| 23   | 3296-2            | Nut, Nylock #10-24.....                         | 8    |
| 24●  | 103-0949          | Sender, Temperature 1/8 NPT.....                | 1    |
| 25   | 107-1880          | Seat Track Kit.....                             | 1    |
| 26   | 103-3790          | Latch, Cubby Door.....                          | 1    |
| 27   | 3290-500          | Screw-PPH #10-24x.62 Phillips.....              | 2    |

| Item | Part No.          | Description                                                       | Qty. |
|------|-------------------|-------------------------------------------------------------------|------|
| 28   | 103-5254          | Asm, Console(103-3665-03) w/Decals...                             | 1    |
| 29   | 322-3             | Screw, 5/16-18 x 3/4.....                                         | 6    |
| 30   | 3256-23           | Washer, 5/16 SAE.....                                             | 6    |
| 31+  | Briggs & Stratton | P/N 820314 Oil Filter.....<br>Do Not Use Briggs & Stratton 491056 | 1    |
| 32   | 3256-14           | Washer, #10 std flat.....                                         | 8    |
| 33   | 1-803075          | Screw, Truss Hd #10-24 x 3/4.....                                 | 2    |
| 34   | 98-5975           | Washer, Spring Disk 3/8.....                                      | 8    |
| 35   | 323-6             | Screw, 3/8-16 x 1.....                                            | 8    |
| 36◆  | 103-5597          | Kit, XP ROPS Service.....                                         | 1    |
| 37   | 107-1883          | Bottom Cushion Kit.....                                           | 1    |
| 38   | 107-1886          | Switch Kit.....                                                   | 1    |
| 39   | 107-1887          | Armrest Kit.....                                                  | 1    |
| 40   | 107-1884          | Shock Absorber Kit.....                                           | 1    |
| 41   | 107-1882          | Back Cushion Kit.....                                             | 1    |
| 42   | 103-4469          | Kit, Seat Belt.....                                               | 1    |
| 43   | 3212-4            | Screw, 7/16-20 x 1.0.....                                         | 2    |
| 44   | 3296-38           | Nut, Nyloc 7/16-20.....                                           | 2    |
| 45   | 107-3155          | Cotter, Hair Pin Double Loop.....                                 | 2    |
| 46   | 325-13            | Screw, 1/2-13 x 3 1/4.....                                        | 2    |
| 47■  | 103-4553          | Asm, ROPS Fold Pin.....                                           | 2    |
| 48   | 32128-23          | Nut, Hex Flange Side Lock 1/2-13.....                             | 2    |
| 49   | 107-3154          | Nut, Push 3/8-16.....                                             | 2    |
| 50   | 106-0887          | Knob.....                                                         | 2    |
| 51   | 107-3124          | Clip.....                                                         | 2    |
| 52   | 103-5537          | Asm, Seat Frame.....                                              | 1    |
| 53   | 323-10            | Screw, 3/8-16 x 2.....                                            | 1    |
| 54   | 103-5520          | Latch, Seat.....                                                  | 1    |
| 55   | 107-0075          | Bushing.....                                                      | 1    |
| 56   | 3256-4            | Washer, Flat Std 3/8.....                                         | 3    |

Exmark black touch up spray paint – Gloss black

- Includes ROPS fold pin plus hairpin, item #45.
- ◆ Rollover protection frame is serviced as a complete assembly only. Includes complete ROPS frame, mounting hardware, fold pivot and locking hardware, seat frame assembly item #52, and seat belt assembly item #42.
- + Refer to Engine Owner's Manual.
- ▲ Includes seat assembly plus tracks item #25, seat stops item #17, and seat wiring harness (item #44 pg. 25). Does not include seat belt assembly item #42.
- Use Teflon pipe sealant on pipe threads on temperature sending unit.

# MAIN FRAME GROUP



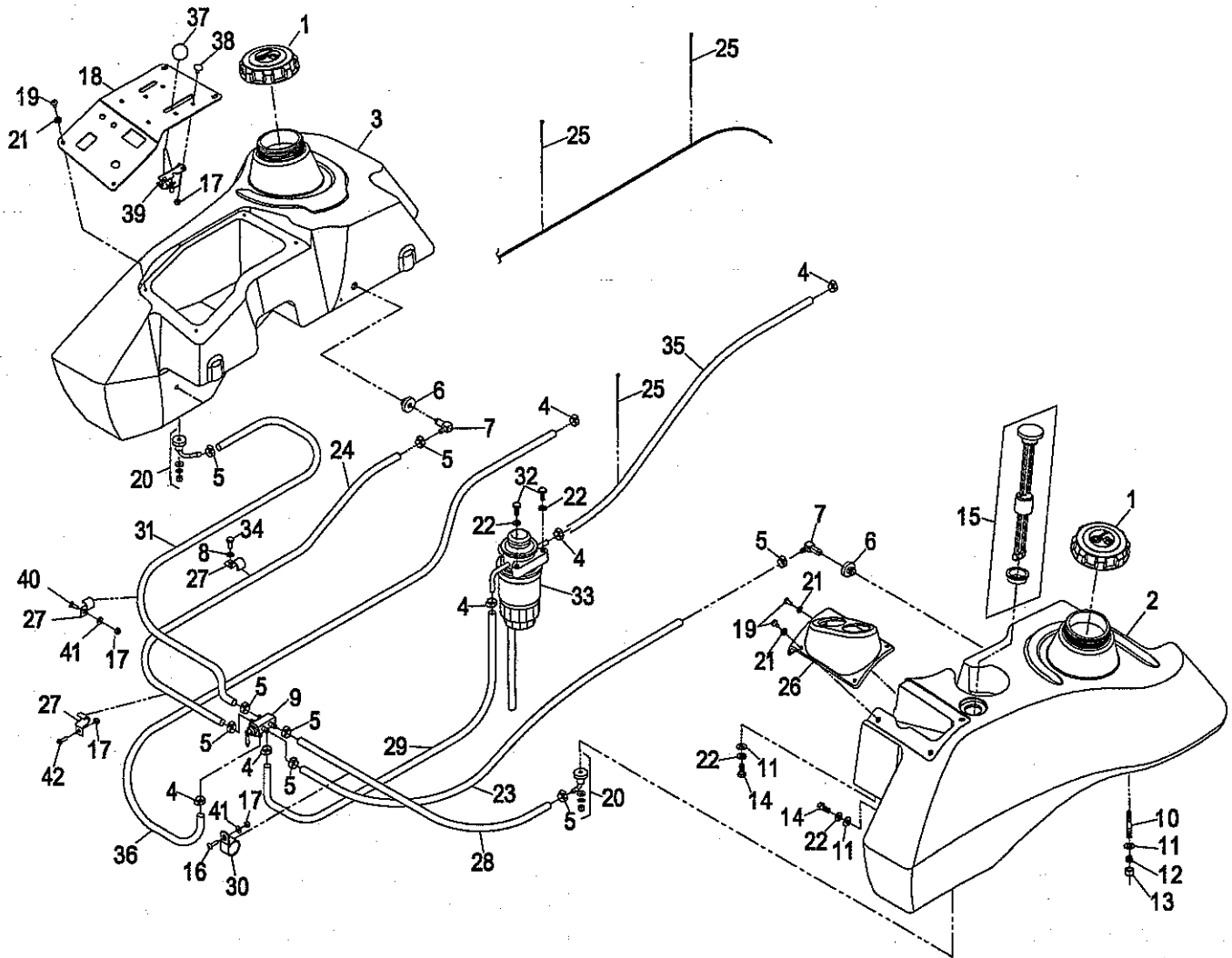
## 27 HP DIESEL FUEL GROUP

| Item | Part No. | Description                                       | Qty. |
|------|----------|---------------------------------------------------|------|
| 1    | 103-3991 | Cap, Diesel Fuel Tank .....                       | 2    |
| 2*   | 103-4879 | Asm, Fuel Tank (LH).....                          | 1    |
| 3*   | 103-4880 | Asm, Fuel Tank (RH).....                          | 1    |
| 4▲   | 1-643277 | Clamp, 5/16 I.D. Fuel Hose.....                   | 6    |
| 5▲   | 1-643293 | Clamp, 1/4 I.D. Fuel Hose.....                    | 8    |
| 6    | 1-513645 | Bushing, Fuel Valve.....                          | 2    |
| 7    | 1-643172 | Elbow, 90° .....                                  | 2    |
| 8    | 1-805004 | Washer, Lock 1/4.....                             | 1    |
| 9    | 1-643234 | Valve, Fuel Dual Flow .....                       | 1    |
| 10◆  | 1-633023 | Stud, Fuel Tank .....                             | 6    |
| 11   | 3256-23  | Washer, Flat SAE 5/16 .....                       | 10   |
| 12   | 1-633349 | Spring, Fuel Tank.....                            | 6    |
| 13   | 3296-47  | Nut, Thin Nyloc 5/16-18 .....                     | 6    |
| 14   | 322-3    | Screw, 5/16-18 x 3/4 .....                        | 4    |
| 15   | 103-6564 | Kit, Fuel Gauge.....                              | 1    |
| 16   | 1-803075 | Screw, Truss HD #10-24 x 3/4 .....                | 1    |
| 17   | 3296-2   | Nut, #10-24 Nyloc .....                           | 5    |
| 18   | 103-5252 | Asm, Control Panel (103-3678-03)<br>w/decals..... | 1    |
| 19▽  | 32122-30 | Screw, #10-24 x 1/2 Truss Hdms .....              | 8    |
| 20★  | 103-2615 | Fitting, Fuel Bulkhead .....                      | 2    |
|      | 103-2784 | O-Ring .....                                      | 1    |
| 21   | 1-303435 | Washer, Spring Disc 1/4 .....                     | 8    |

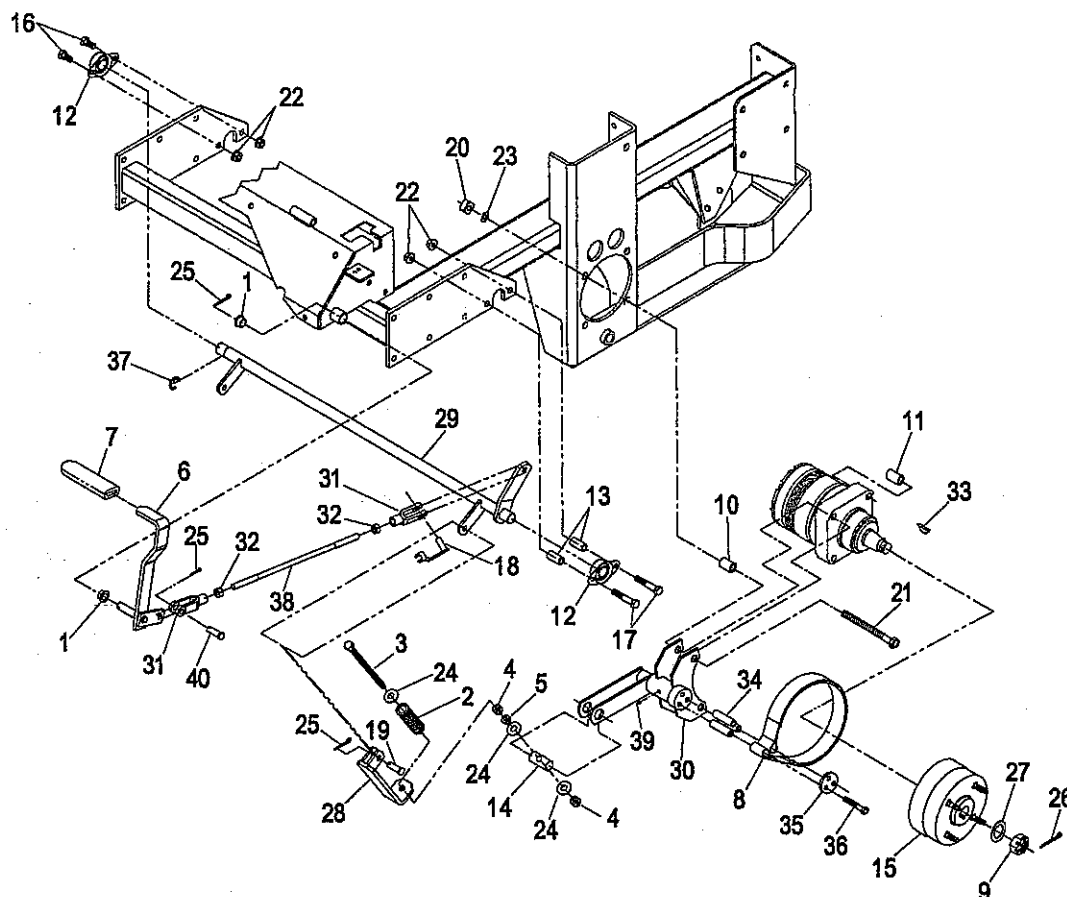
| Item | Part No.                     | Description                       | Qty. |
|------|------------------------------|-----------------------------------|------|
| 22   | 1-805005                     | Washer, Lock 5/16.....            | 6    |
| 23   | 103-4971                     | Hose, Fuel 1/4 x 42.....          | 1    |
| 24   | 103-4972                     | Hose, Fuel 1/4 x 35.....          | 1    |
| 25   | 1-303335                     | Plastic Tie.....                  | 3    |
| 26   | 103-3684                     | Bezel, Gauge.....                 | 1    |
| 27   | 103-1193                     | Clip, Loom Half.....              | 3    |
| 28   | 103-1419                     | Hose, Fuel 1/4 x 32.....          | 1    |
| 29   | 1-643239                     | Hose, Fuel 5/16 x 28.....         | 1    |
| 30   | 1-643312                     | Clip, Loom .....                  | 1    |
| 31   | 1-543526                     | Hose, Fuel 1/4 x 24.....          | 1    |
| 32   | 33114-020                    | Screw, M8-1.25 x 20mm .....       | 2    |
| 33◆  | <b>Briggs &amp; Stratton</b> | P/N 820311 Fuel Filter.....       | 1    |
| 34   | 321-3                        | Screw, 1/4-20 x 5/8.....          | 1    |
| 35   | 103-1693                     | Hose, Fuel 5/16 x 41.....         | 1    |
| 36   | 103-1428                     | Hose, Fuel 5/16 x 47.....         | 1    |
| 37   | 1-513592                     | Knob, Red (Throttle) .....        | 1    |
| 38   | 1-807513                     | Bolt, Carriage #10-24 x 1/2 ..... | 2    |
| 39   | 103-1450                     | Cable, Throttle .....             | 1    |
| 40   | 1-807533                     | Bolt, Carriage #10-24 x 5/8 ..... | 1    |
| 41   | 3256-14                      | Washer, Washer, #10 Std .....     | 2    |
| 42   | 3290-500                     | Screw, Machine #10-24x5/8.....    | 1    |

- ◆ Use Pro-Lock, Retaining type (Part No. 1-840023), .5cc tube on stud threads going into the tank.
- ◇ Refer to Engine Owner's Manual.
- ▽ Snug fit only on slotted holes, **Do Not Overtighten**, tank must be able to expand.
- ▲ Clamps require special pliers P/N 1-643394 (Oetiker P/N 14100118 or Kohler P/N 2445505) for installation.
- ★ Use Prolock, Nut type (Part No. 1-840022), .5ml tube on fuel fitting.
- \* Includes tank, cap, fittings, and studs. LH tank also includes fuel gauge.

# 27 HP DIESEL FUEL GROUP



## PARK BRAKE GROUP



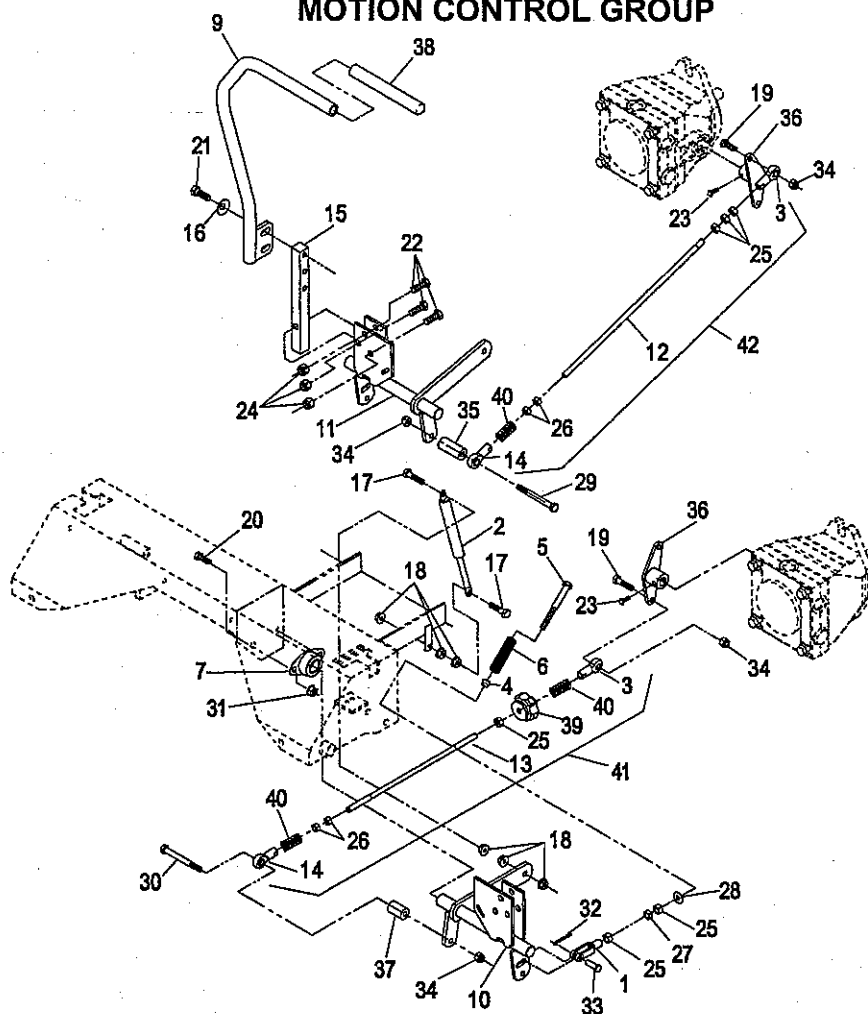
| Item | Part No. | Description                     | Qty. |
|------|----------|---------------------------------|------|
| 1    | 1-513140 | Bushing.....                    | 2    |
| 2    | 1-633454 | Spring, Brake Rod.....          | 2    |
| 3    | 323-58   | Bolt, Tap 3/8-16 x 6.....       | 2    |
| 4    | 3296-39  | Nut, Nyloc 3/8-16.....          | 4    |
| 5    | 3218-3   | Nut, Jam 3/8-16.....            | 2    |
| 6    | 103-0197 | Lever (103-0201-03) W/Grip..... | 1    |
| 7    | 1-633268 | Grip, Brake Lever.....          | 1    |
| 8    | 103-0355 | Band, Brake.....                | 2    |
| 9    | 1-809036 | Nut, Slotted 1.00-20.....       | 2    |
| 10   | 1-633380 | Spacer (Short)(60").....        | 4    |
|      | 1-633060 | Spacer (Short)(72").....        | 4    |
| 11   | 1-633382 | Spacer (Long)(60").....         | 4    |
|      | 1-633062 | Spacer (Long)(72").....         | 4    |
| 12   | 1-633102 | Bearing, Flange.....            | 2    |
| 13   | 103-0051 | Spacer, Brake Retainer.....     | 2    |
| 14   | 1-633144 | Pin, Trunion.....               | 2    |
| 15   | 103-0590 | Hub & Drum W/Studs, Wheel.....  | 2    |
| ◆    | 1-633926 | Studs, Wheel.....               | 8    |
| 16   | 323-4    | Screw, 3/8-16 x 3/4.....        | 2    |
| 17   | 323-10   | Screw, 3/8-16 x 2.....          | 2    |
| 18   | 103-2399 | Pin, Clevis Spring 3/8.....     | 1    |
| 19   | 1-808284 | Pin, Clevis 3/8 x 1.....        | 2    |
| 20   | 103-0131 | Nut, Sq Reg 1/2-13 UNC-2B.....  | 8    |

| Item | Part No.    | Description                      | Qty. |
|------|-------------|----------------------------------|------|
| 21   | 325-17      | Screw, 1/2-13 x 4 (60").....     | 8    |
|      | 325-20      | Screw, 1/2-13 x 6 (72").....     | 8    |
| 22   | 3290-357    | Nut, Whizlock 3/8-16.....        | 4    |
| 23   | 3253-7      | Washer, Lock 1/2.....            | 8    |
| 24   | 3256-4      | Washer, 3/8 Std.....             | 6    |
| 25   | 3272-10     | Pin, Cotter 1/8 x 3/4.....       | 4    |
| 26   | 1-806800    | Pin, Cotter 9/64 x 1 1/2.....    | 2    |
| 27   | 1-523157    | Washer, Spacer.....              | 2    |
| 28   | 103-1117-03 | Lower Brake Linkage.....         | 2    |
| 29   | 103-5243-03 | Brake Shaft.....                 | 1    |
| 30   | 103-0810-03 | Bracket, Brake (72").....        | 2    |
|      | 103-0844-03 | Bracket, Brake (60").....        | 2    |
| 31   | 1-633131    | Yoke.....                        | 2    |
| 32   | 3219-3      | Nut, 3/8-24.....                 | 2    |
| 33   | 3257-42     | Woodruff Key, 5/16 x 1.....      | 2    |
| 34   | 103-0384    | Spacer.....                      | 6    |
| 35   | 103-0374    | Retainer, Brake Band.....        | 2    |
| 36   | 322-9       | Screw, HH .312-18 x 1.75.....    | 6    |
| 37   | 32151-48    | E-Ring, Retaining.....           | 1    |
| 38   | 103-1708    | Rod, Brake.....                  | 1    |
| 39   | 1481        | Zerk, 1/4-28 45° (60").....      | 2    |
|      | 302-19      | Zerk, 1/4-28 Straight (72")..... | 2    |
| 40   | 1-808285    | Pin, Clevis 3/8 x 1 1/4.....     | 1    |

Exmark black touch up spray paint – Gloss black

◆ Not Illustrated

## MOTION CONTROL GROUP



| Item | Part No. | Description                       | Qty. |
|------|----------|-----------------------------------|------|
| 1    | 1-303105 | Yoke .....                        | 2    |
| 2    | 103-4079 | Damper.....                       | 2    |
| 3    | 1-543017 | Ball Joint (RH).....              | 2    |
| 4    | 1-603735 | Bushing, Nylon.....               | 2    |
| 5    | 1-603737 | Bolt, (Neutral Return).....       | 2    |
| 6    | 1-603807 | Spring, (Neutral Return).....     | 2    |
| 7    | 1-633102 | Bearing, Flanged.....             | 4    |
| 8*   | 103-3457 | LH Lever/Grip Asm .....           | 1    |
| 9    | 103-3458 | RH Lever/Grip Asm .....           | 1    |
| 10   | 103-4787 | Bracket, Motion Control (LH)..... | 1    |
| 11   | 103-4788 | Bracket, Motion Control (RH)..... | 1    |
| 12   | 103-5182 | Link, Hydro Connecting (RH) ..... | 1    |
| 13   | 103-3065 | Link, Hydro Connecting (LH) ..... | 1    |
| 14   | 1-633152 | Ball Joint (LH) .....             | 2    |
| 15   | 103-0407 | Arm, Control Shaft .....          | 2    |
| 16   | 98-5975  | Washer, Disc Spring 3/8 .....     | 4    |
| 17   | 1-403180 | Screw, 5/16-18 x 1 3/8(Gm).....   | 4    |
| 18   | 32128-20 | Nut, 5/16-18 .....                | 12   |
| 19   | 322-6    | Screw, 5/16-18 x 1 1/4 .....      | 2    |
| 20   | 323-4    | Screw, 3/8-16 x 3/4 .....         | 8    |
| 21   | 323-6    | Screw, 3/8-16 x 1 .....           | 4    |

| Item | Part No.    | Description                          | Qty. |
|------|-------------|--------------------------------------|------|
| 22   | 323-9       | Screw, 3/8-16 x 1 3/4 .....          | 6    |
| 23♦  | 1-803022    | Set Screw, 5/16 x 5/8.....           | 2    |
| 24   | 3296-39     | Nut, Nyloc 3/8-16 .....              | 6    |
| 25   | 3219-2      | Nut, 5/16-24 .....                   | 8    |
| 26   | 1-804524    | Nut, 5/16-24 LH .....                | 4    |
| 27   | 3220-2      | Nut, Jam 5/16-24 .....               | 2    |
| 28   | 3256-2      | Washer, 1/4 .....                    | 2    |
| 29   | 322-14      | Screw, 5/16-18 x 3 .....             | 1    |
| 30   | 322-12      | Screw, 5/16-18 x 2 1/2 .....         | 1    |
| 31   | 3290-357    | Nut, Whizlock 3/8-16 .....           | 8    |
| 32   | 3272-5      | Pin, Cotter 3/32 x 1/2 .....         | 2    |
| 33   | 1-808280    | Pin, Clevis 5/16 x 1 .....           | 2    |
| 34   | 3296-29     | Nut, Nyloc 5/16-18 .....             | 4    |
| 35   | 103-5192    | Spacer, Hyd Control (RH) .....       | 1    |
| 36   | 103-0194-03 | Arm, Pump Control .....              | 2    |
| 37   | 103-1361    | Spacer, Hyd Control (LH).....        | 1    |
| 38   | 103-3456    | Grip, Motion Control Handle.....     | 2    |
| 39   | 103-3060    | Knob, Tracking .....                 | 1    |
| 40   | 1-323245    | Spring, Compression .....            | 3    |
| 41   | 103-3062    | Asm, Tracking Rod Linkage (LH).....  | 1    |
| 42   | 103-5190    | Asm, Tracking Rod Linkage (RH) ..... | 1    |

Exmark black touch up spray paint – Gloss black.

\* Not illustrated.

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

## COMMON ENGINE DECK GROUP

| Item | Part No. | Description                                          | Qty. |
|------|----------|------------------------------------------------------|------|
| 1    | 103-0984 | Sheave, Stationary Idler.....                        | 2    |
| 2    | 103-1503 | Spacer, Belt Tightener .....                         | 4    |
| 3    | 103-1767 | Spring, Belt Tightener .....                         | 2    |
| 4    | 323-16   | Screw, 3/8-16 x 4 .....                              | 1    |
| 5    | 323-23   | Screw, 3/8-16 x 4 1/2 .....                          | 1    |
| 6    | 3231-40  | Bolt, Carr 3/8-16 x 2 1/4 .....                      | 2    |
| 7+   | 323-8    | Screw, 3/8-16 x 1 1/2 .....                          | 3    |
| 8●   | 3296-39  | Nut, Nyloc 3/8-16 .....                              | 7    |
| ■    | 3296-39  | Nut, Nyloc 3/8-16 .....                              | 5    |
| 9    | 3290-357 | Nut, Whizlock 3/8-16.....                            | 9    |
| 10   | 3256-24  | Washer, Flat SAE 3/8 .....                           | 6    |
| 11   | 103-0983 | Sheave, Tightener.....                               | 2    |
| 12   | 98-5975  | Washer, 3/8 Disc Spring .....                        | 5    |
| 13   | 103-1361 | Spacer, Stop Bolt.....                               | 2    |
| 14   | 83-1040  | Washer, Side Mount Fail-Safe .....                   | 2    |
| 15*  | 103-5696 | Kit, Mule Idler LH (103-5671-03)<br>W/Bearings ..... | 1    |
| 16●  | 1-513034 | Bearing, Sleeve.....                                 | 4    |
| 17●  | 103-0919 | Bushing, Tightener Pivot LH .....                    | 1    |
| 18   | 100-2436 | Hood, Air Intake W/Clamp .....                       | 1    |
| 19   | 302-40   | Zerk, 1/4-20 90° .....                               | 2    |
| 20   | 66-6480  | Washer, Side Mnt Spacer .....                        | 2    |
| 21*  | 103-5697 | Kit, Mule Idler RH (103-5672-03)<br>W/Bearings ..... | 1    |
| 22   | 3296-6   | Nut, Nyloc 3/8-24 .....                              | 2    |
| 23   | 103-0083 | Asm, Clutch W/Tie Warner .....                       | 1    |
| 24   | 103-0193 | Spacer, Clutch Strap.....                            | 3    |
| 25   | 1-633630 | Grommet.....                                         | 2    |
| 26   | 1-633545 | Spacer, Grommet .....                                | 2    |
| 27   | 322-6    | Screw, 5/16-18 x 1 1/4 .....                         | 1    |
| 28   | 322-12   | Screw, 5/16-18 x 2 1/2 .....                         | 2    |
| 29   | 1-613235 | Washer .....                                         | 4    |
| 30   | 3256-3   | Washer, Flat Std 5/16.....                           | 1    |
| 31   | 3296-29  | Nut, Nyloc 5/16-18 .....                             | 1    |
| 32   | 103-0286 | Shaft, Engine Stub.....                              | 1    |
| 33   | 3212-6   | Screw, 7/16-20 x 1 1/2 .....                         | 1    |
| 34   | 1-603610 | Washer, Spring Disc 7/16 .....                       | 2    |
| 35   | 1-543610 | Washer, Clutch .....                                 | 1    |
| 36   | 103-2613 | Isolator, LH/RH .....                                | 2    |
| 37   | 322-3    | Screw, 5/16-18 x 3/4 .....                           | 6    |
| 38   | 32128-20 | Nut, Whizlock 5/16-18.....                           | 11   |
| 39   | 3256-4   | Washer, Flat Std 3/8 .....                           | 8    |
| 40   | 103-1022 | Isolator, Rear .....                                 | 1    |
| 41   | 103-5178 | Asm, 5" Canister Air Filter W/Hood.....              | 1    |
| 42   | 103-1327 | Filter, Air .....                                    | 1    |
| 43   | 103-1326 | Filter, Safety Air .....                             | 1    |
| 44   | 103-1060 | Cover, Air Filter W/Latch.....                       | 1    |
| 45   | 1-643283 | Latch, Air Cleaner .....                             | 1    |
| 46   | 87-9400  | Valve, Vacuator .....                                | 1    |

| Item | Part No.    | Description                       | Qty. |
|------|-------------|-----------------------------------|------|
| 47   | 2412-42     | Clamp, Air Cleaner Hose .....     | 4    |
| 48   | 103-5198    | Hose, Plenum To Air Cleaner ..... | 1    |
| 49   | 103-0921    | Hose, Air Cleaner To Engine ..... | 1    |
| 50   | 322-14      | Screw, 5/16-18 x 3 .....          | 3    |
| 51   | 323-12      | Screw, 3/8-16 x 2 1/2 .....       | 2    |
| 52   | 103-2592    | Kit, Muffler .....                | 1    |
| 53   | 103-0192-03 | Strap, Clutch/Brake .....         | 1    |
| 54   | 103-0839-03 | Mount, Engine LH & RH.....        | 2    |
| 55   | 103-0870-03 | Mount, Rear Engine.....           | 1    |
| 56   | 103-1058    | Bracket, Air Filter .....         | 1    |
| 57   | 103-0953-03 | Mount, Air Filter .....           | 1    |
| 58+  | 33114-020   | Screw, M8-1.25 x 20mm .....       | 18   |
| 59   | 325-10      | Screw, 1/2-13 x 2 1/2.....        | 1    |
| 60   | 86-1990     | Washer, Thrust.....               | 2    |
| 61   | 3296-23     | Nut, Nyloc 1/2-13.....            | 1    |
| 62   | 323-5       | Screw, 3/8-16 x 7/8.....          | 2    |
| 63   | 1-303334    | Washer, 5/16 Disc Spring .....    | 3    |
| 64   | 323-13      | Screw, 3/8-16 x 2 3/4.....        | 2    |
| 65   | 103-3573-03 | Wld, Flywheel Cover.....          | 1    |
| 66   | 33114-045   | Screw, M8-1.25 x 45mm .....       | 3    |
| 67   | 103-3745    | Asm, A-T Link.....                | 2    |
| 68●  | 103-0040    | Bushing, Tightener Pivot RH.....  | 1    |
| 69   | 103-0881    | Belt, Mule Drive .....            | 2    |
| 70   | 3231-4      | Bolt, Carr 3/8 x 1 1/2.....       | 2    |
| 71   | 1-303335    | Tie, Plastic.....                 | 2    |
| 72   | 56-2150     | Screw, M10-1.25 x 80mm .....      | 2    |
| 73   | 103-4039-03 | Wld, XP RH Sheave Guard.....      | 1    |
| 74   | 103-4011-03 | Wld, XP LH Sheave Guard .....     | 1    |
| 75   | 103-3186    | Spacer, RH Sheave Guard .....     | 1    |
| 76   | 103-3556-03 | Wld, Front A-T Eng Brkt .....     | 1    |
| 77   | 103-0608    | Rod End, 3/8-24 Female.....       | 2    |
| 78   | 3220-3      | Nut, 3/8-24 Jam.....              | 2    |
| 79   | 103-1385    | Gasket, Muffler .....             | 1    |
| 80   | 3256-23     | Washer, Flat SAE 5/16.....        | 4    |
| 81   | 103-3908    | Bracket, Ground .....             | 1    |
| 82   | 103-3567    | Link, A-T .....                   | 2    |
| 83   | 93-6099     | Washer, 3/8 ID x 1.5 OD.....      | 4    |
| 84   | 103-3568    | Isolator, A-T Link .....          | 2    |
| 85   | 323-9       | Screw, 3/8-16 x 1 3/4.....        | 3    |
| 86■  | 103-2916    | Guard, Top .....                  | 2    |
| 87■  | 103-3506    | Seal, Single Lip.....             | 2    |
| 88■  | 32120-10    | Ring, Retaining .....             | 4    |
| 89■  | 103-3504    | Bearing, Spherical .....          | 4    |
| 90■  | 106-7159    | O-ring .....                      | 4    |
| 91■  | 1-603401    | Spacer.....                       | 1    |
| 92■  | 1-413088    | Spacer.....                       | 1    |
| 93■  | 103-3505    | Seal, Double Lip .....            | 2    |
| 94■  | 3296-59     | Nut, Nyloc 3/8-16 Thin .....      | 2    |
| 95◆  | 103-3247    | Kit, Clutch Jumper Harness .....  | 1    |

Exmark black touch up spray paint – gloss black.

✦ Use Prolock, Nut type (1-840022) on screws threaded into block, and rear A-T link to Rear Engine Bracket screw.

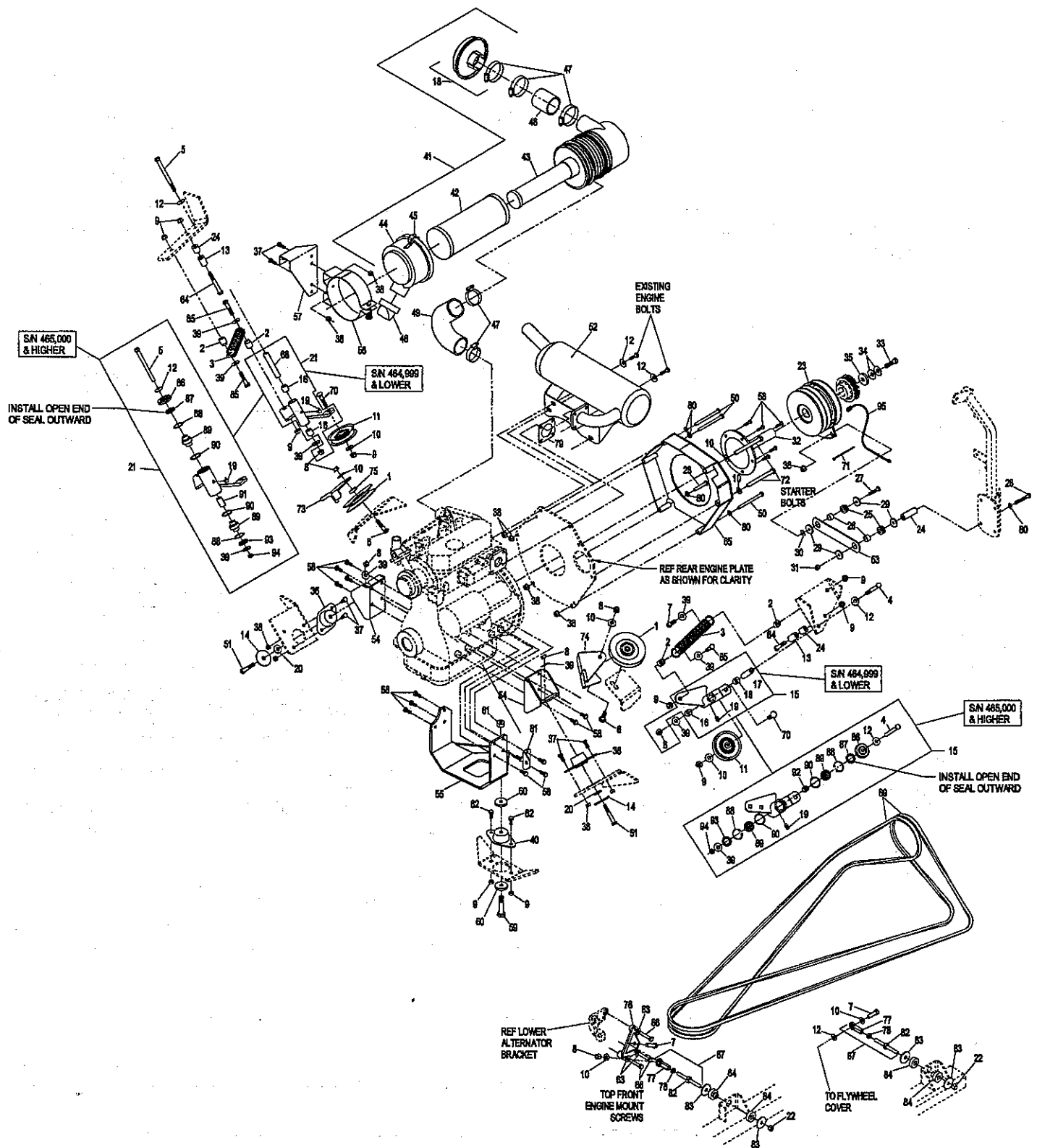
● This component is required for units with S/N 464,999 and lower.

■ This component is required for units with S/N 465,000 and higher.

\* 103-5696 and 103-5697 kits include components shown for S/N 465,000 and higher and service all serial numbers.

◆ Includes jumper harness, clip and 2 plastic ties item #71.

# COMMON ENGINE DECK GROUP



## UPPER FRAME GROUP

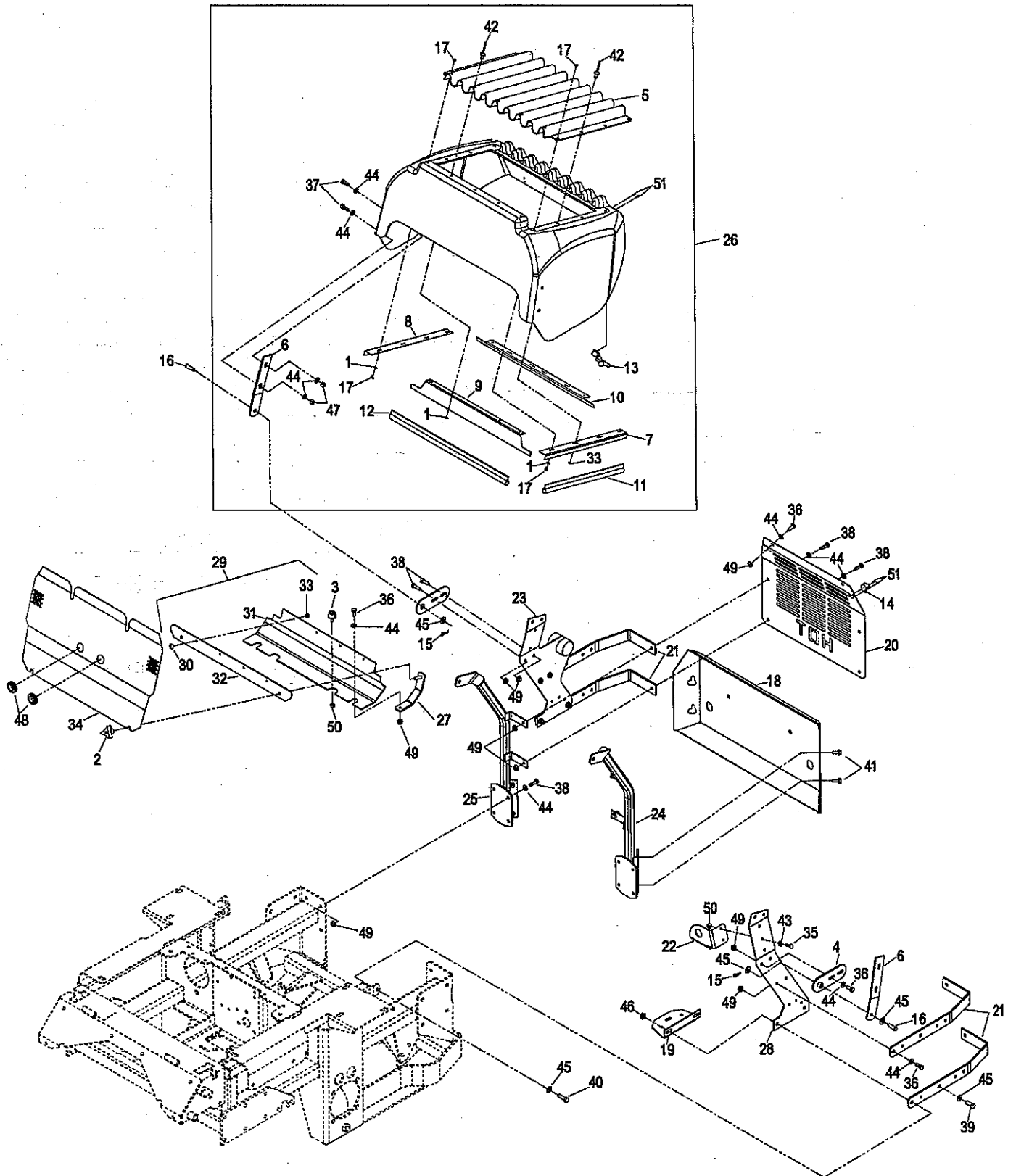
| Item | Part No.    | Description                                             | Qty. |
|------|-------------|---------------------------------------------------------|------|
| 1    | 1-303435    | Washer, Disc Spring 1/4 .....                           | 7    |
| 2    | 1-323385    | Knob, 3-Prong.....                                      | 2    |
| 3    | 1-523420    | Bumper.....                                             | 2    |
| 4    | 1-632986-03 | Wld, Hinge Shackle .....                                | 2    |
| 5    | 1-633864-03 | Screen, Radiator .....                                  | 1    |
| 6    | 1-633885-03 | Plate, Hood Hinge.....                                  | 2    |
| 7    | 1-643105-03 | Angle, Radiator LH.....                                 | 1    |
| 8    | 1-643106-03 | Angle, Radiator RH.....                                 | 1    |
| 9    | 1-643107-03 | Angle, Radiator Top .....                               | 1    |
| 10   | 1-643108-03 | Angle, Radiator Bottom.....                             | 1    |
| 11   | 1-643186    | Seal, Trim 14" .....                                    | 2    |
| 12   | 1-643187    | Seal, Trim 20" .....                                    | 2    |
| 13   | 1-643188    | Latch, Rubber Hood .....                                | 2    |
| 14   | 1-643189    | Keeper, Rubber Latch.....                               | 2    |
| 15   | 1-806003    | Pin, Hair Cotter .080 #2.....                           | 2    |
| 16   | 1-808285    | Pin, Clevis.....                                        | 2    |
| 17   | 103-1363    | Rivet, .25 Ratchet .....                                | 4    |
| 18   | 103-1479-03 | Wld, Rear Bumper .....                                  | 1    |
| 19   | 103-2603-03 | Bracket, Bottle .....                                   | 1    |
| 20   | 103-4855-03 | Guard, Muffler.....                                     | 1    |
| 21   | 103-4993    | Bar, Radiator Mount Frame<br>(103-4906-03) W/Decal..... | 4    |
| 22   | 103-4982-03 | Bracket, Buzzer .....                                   | 1    |
| 23   | 103-5123-03 | Wld, RH Rad & AC Support.....                           | 1    |
| 24   | 103-5157-03 | Wld, Rear Upper Frame LH .....                          | 1    |
| 25   | 103-5158-03 | Wld, Rear Upper Frame RH.....                           | 1    |
| 26◆  | 103-5886    | Asm, Hood.....                                          | 1    |

| Item | Part No.    | Description                                         | Qty. |
|------|-------------|-----------------------------------------------------|------|
| 27   | 103-5163-03 | Wld, Engine Belt Shield Mount .....                 | 2    |
| 28   | 103-5169-03 | Mount, Side LH.....                                 | 1    |
| 29   | 103-5884    | Asm, Engine Belt Shield (103-5230)<br>W/Decals..... | 1    |
| 30   | 1-803035    | Rivet, Pop 3/16 x 1/4 .....                         | 4    |
| 31   | 103-4987    | Shield, Engine .....                                | 1    |
| 32   | 103-4988-03 | Strip, Belt Shield.....                             | 1    |
| 33   | 3256-14     | Washer, Flat .216 x .500 x .065 .....               | 4    |
| 34   | 103-5170    | Panel, Engine Access (103-5497-03)<br>W/Decals..... | 1    |
| 35   | 321-4       | Screw, HH 1/4-20 x 3/4.....                         | 2    |
| 36   | 322-3       | Screw, HH 5/16-18 x 3/4.....                        | 9    |
| 37   | 322-4       | Screw, HH 5/16-18 x 7/8.....                        | 4    |
| 38   | 322-5       | Screw, HH 5/16-18 x 1.....                          | 14   |
| 39   | 323-6       | Screw, HH 3/8-16 x 1.....                           | 2    |
| 40   | 323-7       | Screw, HH 3/8-16 x 1 1/4.....                       | 2    |
| 41   | 3234-47     | Screw, Flange 5/16-18.....                          | 4    |
| 42   | 1-803072    | Rivet.....                                          | 15   |
| 43   | 3256-22     | Washer, Flat .218 x .625.....                       | 2    |
| 44   | 3256-23     | Washer, Flat .344 x .688.....                       | 31   |
| 45   | 3256-24     | Washer, Flat .406 x .080.....                       | 8    |
| 46   | 3290-357    | Nut, Flange Whizlock 3/8-16.....                    | 4    |
| 47   | 3296-29     | Nut, Lock 5/16-18 .....                             | 4    |
| 48   | 100-3815    | Grommet .....                                       | 2    |
| 49   | 32128-20    | Nut, HF Serrated 5/16-18.....                       | 23   |
| 50   | 32128-33    | Nut, HF Serrated 1/4-20.....                        | 4    |
| 51   | 923786      | Rivet, Pop.....                                     | 8    |

Exmark black touch up spray paint – gloss black.

★ Hood assembly comes with hood hinges item #6, screen, radiator brackets, seals and decals.

# UPPER FRAME GROUP



## ENGINE COOLING GROUP

| Item | Part No. | Description                                          | Qty. |
|------|----------|------------------------------------------------------|------|
| 1    | 322-1    | Screw, 5/16-18 x 1/2 .....                           | 6    |
| 2    | 3256-23  | Washer, Flat .....                                   | 16   |
| 3    | 1-643161 | Cap, Radiator .....                                  | 1    |
| 4    | 103-3347 | Asm, Radiator Top (103-0940-03)<br>w/Decals .....    | 1    |
| 5    | 3296-2   | Nut, Nyloc #10-24 .....                              | 1    |
| 6    | 1-803075 | Screw, #10-24 x .75 Crosstruss .....                 | 1    |
| 7    | 103-1352 | Shield, Radiator Fill Neck .....                     | 1    |
| 8    | 103-0891 | Radiator, IHT #DA12-10900 .....                      | 1    |
| 9    | 103-0898 | Shroud, Engine Cooling .....                         | 1    |
| 10   | 103-5172 | Asm, Radiator Bottom<br>(103-4854-03) w/Decals ..... | 1    |
| 11   | 32128-20 | Nut, Whizlock 5/16-18 .....                          | 10   |
| 12   | 322-3    | Screw, 5/16-18 x 3/4 .....                           | 16   |
| 13   | 3256-3   | Washer, Flat 5/16 .....                              | 4    |
| 14   | 103-1445 | Hose, .31 ID x 37.00 .....                           | 1    |
| 15   | 1-643164 | Cap, Tank Overflow .....                             | 1    |
| 16   | 1-643131 | Hose, .25 ID x 22.00 .....                           | 1    |
| 17   | 1-643163 | Tank, Overflow .....                                 | 1    |
| 18   | 1-513645 | Bushing, Valve Fuel .....                            | 1    |

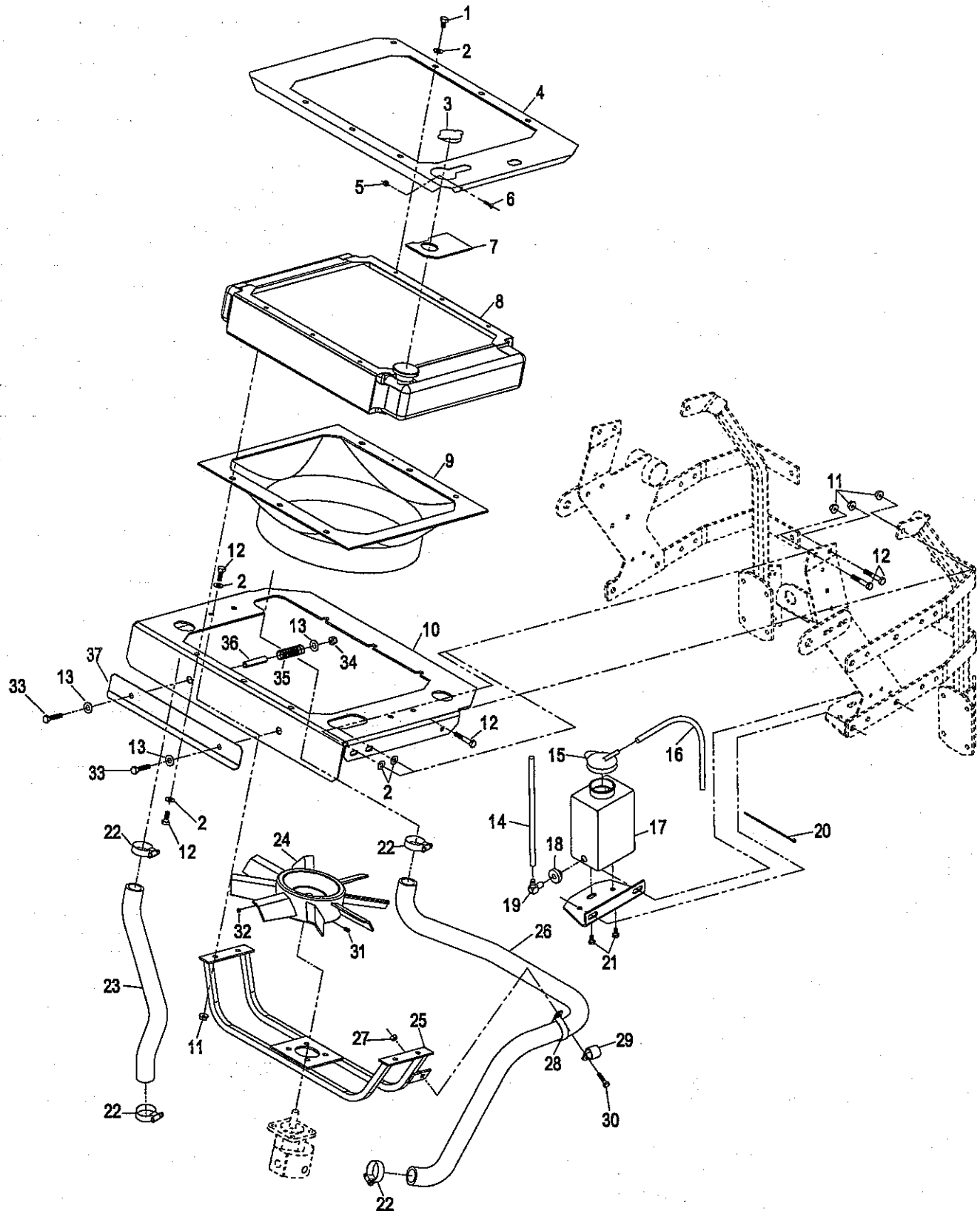
| Item | Part No.    | Description                          | Qty. |
|------|-------------|--------------------------------------|------|
| 19   | 1-643259    | Fitting, Elbow .....                 | 1    |
| 20   | 1-303287    | Tie, Plastic 5.5 x .044 x .1 .....   | 3    |
| 21   | 321-2       | Screw, 1/4-20 x 1/2 .....            | 2    |
| 22   | 1-633989    | Clamp, Hose .....                    | 4    |
| 23   | 103-2505    | Hose, Engine Outlet .....            | 1    |
| 24●  | 103-0892    | Fan, Crowley .....                   | 1    |
| 25   | 103-0086-03 | Wld, Fan Motor Mount .....           | 1    |
| 26   | 103-0922    | Hose, Engine Inlet .....             | 1    |
| 27   | 3296-42     | Nut, Nyloc 1/4-20 .....              | 1    |
| 28   | 103-0113    | Clip, Loom 1.38 .....                | 1    |
| 29   | 1-513762    | Clip, Loom .50 .....                 | 1    |
| 30   | 321-6       | Screw, 1/4-20 x 1.0 .....            | 1    |
| 31   | 3245-44     | Setscrew 1/4-20 x 3/8 .....          | 1    |
| 32*  | 909848      | Setscrew, 1/4-20 x 1/4 .....         | 1    |
| 33   | 322-14      | Screw, HHCS 5/16-18 x 3.00 .....     | 2    |
| 34   | 3296-29     | Nut, Nyloc 5/16-18 .....             | 2    |
| 35   | 1-513296    | Spring, Compression .....            | 2    |
| 36   | 103-5223    | Spacer, .31 ID x .44 OD x 2.25 ..... | 2    |
| 37   | 103-4986    | Bracket, Air Deflector .....         | 1    |

Exmark black touch up spray paint – gloss black.

\* Setscrew is installed over keyway.

● Before installing fan, be sure to apply Mobil HTS grease (P/N 103-5217 1.5 oz packet) to fan motor shaft next to the seal.

# ENGINE COOLING GROUP



# HYDRAULIC GROUP

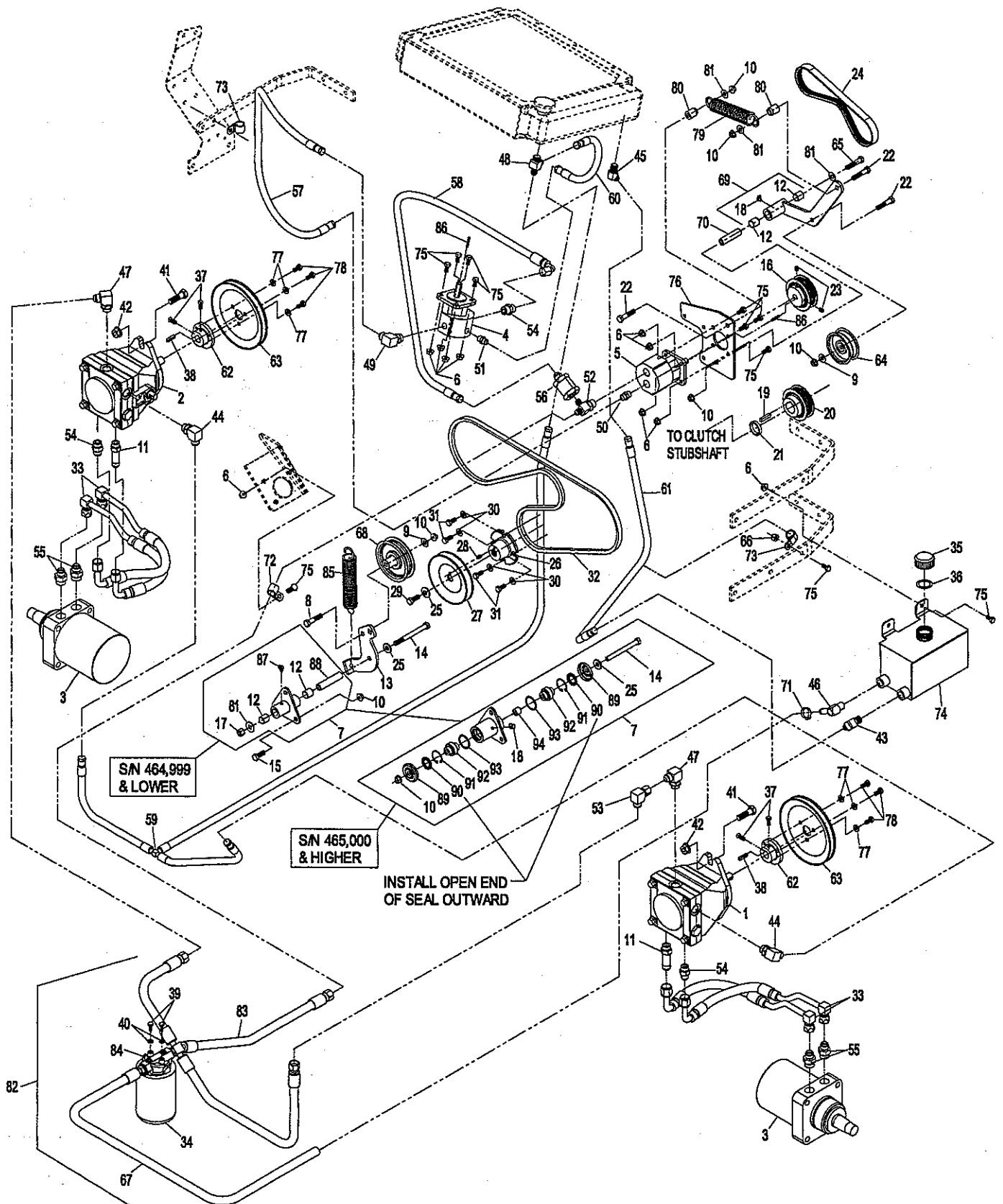
| Item | Part No.    | Description                        | Qty. |
|------|-------------|------------------------------------|------|
| 1    | 103-2978    | Pump, Hydro LH.....                | 1    |
| 2    | 103-2979    | Pump, Hydro RH.....                | 1    |
|      | 100-6110    | Kit, Seal Service 21L.....         | 1    |
|      | 100-2669    | Kit, Input Shaft 21L.....          | 1    |
|      | 103-2670    | Kit, Thrust Bearing 21L.....       | 1    |
|      | 103-2668    | Kit, Cylinder Block 21L.....       | 1    |
|      | 103-2667    | Kit, Valve Plate 21L.....          | 1    |
| 3    | 103-2489    | Motor, Wheel Drive.....            | 2    |
|      | 1-000099    | Kit, Seal.....                     | 1    |
|      | 1-000139    | Kit, Bearing.....                  | 1    |
| 4+   | 103-7430    | Motor, Hydraulic Fan.....          | 1    |
|      | 103-7434    | Kit, Fan Pump/Mtr Shaft Seal.....  | 1    |
| 5+   | 103-7431    | Pump, Hydraulic Fan.....           | 1    |
| 6    | 32128-20    | Nut, Whizlock 5/16-18.....         | 11   |
| 7*   | 103-6409    | Kit, Pump Idler (103-6200-03)      |      |
|      |             | W/Bearings.....                    | 1    |
| 8    | 323-12      | Screw, 3/8-16 x 2 1/2.....         | 1    |
| 9    | 3256-24     | Washer, 3/8 SAE.....               | 2    |
| 10●  | 3290-357    | Nut, Whizlock 3/8-16.....          | 8    |
| ■    | 3290-357    | Nut, Whizlock 3/8-16.....          | 9    |
| 11   | 103-1940    | Fitting, Straight Long.....        | 2    |
| 12●  | 1-513034    | Bearing, Sleeve.....               | 4    |
| ■    | 1-513034    | Bearing, Sleeve.....               | 2    |
| 13   | 103-4463-03 | Tightener.....                     | 1    |
| 14   | 323-16      | Screw, 3/8-16 x 4.....             | 1    |
| 15   | 323-4       | Screw, 3/8-16 x 3/4.....           | 3    |
| 16   | 103-1338    | Sheave, Fan Pump Driven.....       | 1    |
| 17●  | 3296-39     | Nut, Nyloc 3/8-16.....             | 1    |
| 18●  | 302-40      | Zerk, 90° 1/4-28.....              | 1    |
| ■    | 302-40      | Zerk, 90° 1/4-28.....              | 2    |
| 19   | 13-2840     | Key, Square 1/4 x 1 1/4.....       | 1    |
| 20   | 103-1339    | Sheave, Fan Pump Drive.....        | 1    |
| 21   | 103-1422    | Spacer, Fan Pump Drive.....        | 1    |
| 22   | 323-9       | Screw, 3/8-16 x 1 3/4.....         | 3    |
| 23+  | 3246-6      | Setscrew, 5/16 x 3/4.....          | 2    |
| 24   | 103-5598    | Belt, Fan Pump Drive.....          | 1    |
| 25   | 98-5975     | Washer, Disc Spring 3/8.....       | 2    |
| 26   | 103-1421    | Hub, Engine Sheave.....            | 1    |
| 27   | 103-5164    | Sheave, Engine.....                | 1    |
| 28   | 103-1459    | Pin, Spring Roll 1/4.....          | 1    |
| 29   | 323-6       | Screw, 3/8-16 x 1.....             | 1    |
| 30   | 3256-23     | Washer, 5/16 SAE.....              | 4    |
| 31   | 33114-020   | Screw, M8-1.25 x 20.....           | 4    |
| 32   | 103-2600    | Belt, Hydro Pump Drive.....        | 1    |
| 33   | 103-4679    | Hose, Wheel Motor (72").....       | 4    |
|      | 103-4680    | Hose, Wheel Motor (60").....       | 4    |
| 34   | 103-2146    | Element, Hydraulic Oil Filter..... | 1    |
| 35   | 1-513167    | Cap, Hydraulic Tank.....           | 1    |
| 36   | 1-523103    | Gasket, Tank Cap.....              | 1    |
| 37+  | 1-803050    | Setscrew, 5/16-18 x 3/4.....       | 4    |
| 38   | 103-2739    | Key, 5mm X 5mm x 32mm.....         | 2    |
| 39   | 321-3       | Screw, 1/4-20 x 5/8.....           | 2    |
| 40   | 1-805004    | Lockwasher, 1/4.....               | 2    |
| 41   | 325-5       | Screw, 1/2-13 x 1 1/4.....         | 4    |
| 42   | 32128-49    | Nut, Whizlock 1/2-13.....          | 4    |
| 43V  | 103-1012    | Elbow, 90° 9/16jicx3/8NPT.....     | 1    |
| 44   | 103-1014    | Elbow, 90° 9/16jicx3/4O-Rg.....    | 2    |
|      | 1-603920    | O-Ring (SAE #8).....               | 1    |
| 45V  | 103-2151    | Elbow, 45° 9/16jicx3/8NPT.....     | 1    |
|      | 103-1020    | O-Ring (37° Flare #6).....         | 1    |
| 46V  | 103-2152    | Elbow, 90° 1/2T x 1/2NPT.....      | 1    |
| 47   | 103-2153    | Elbow, 90° 3/4jicx3/4O-Rg.....     | 2    |
|      | 1-603992    | O-Ring (37° Flare #8).....         | 1    |
|      | 1-603920    | O-Ring (SAE #8).....               | 1    |

| Item | Part No.    | Description                        | Qty. |
|------|-------------|------------------------------------|------|
| 48V  | 103-2154    | Fitting, Run Tee 3/8".....         | 1    |
|      | 103-1020    | O-Ring (37° Flare #6).....         | 1    |
| 49   | 103-2155    | Elbow, 90° 9/16jicx9/16O-Rg.....   | 1    |
|      | 103-1020    | O-Ring (37° Flare #6).....         | 1    |
|      | 1-603921    | O-Ring (SAE #6).....               | 1    |
| 50   | 103-2156    | Fitting, Strt9/16jicx9/16O-Rg..... | 1    |
|      | 103-1020    | O-Ring (37° Flare #6).....         | 1    |
|      | 1-603921    | O-Ring (SAE #6).....               | 1    |
| 51   | 103-2157    | Fitting, Strt9/16jicx7/16O-Rg..... | 1    |
|      | 103-1020    | O-Ring (37° Flare #6).....         | 1    |
|      | 1-603923    | O-Ring (SAE #4).....               | 1    |
| 52   | 103-2159    | Fitting, Run Tee 3/4".....         | 1    |
|      | 1-603992    | O-Ring (37° Flare #8).....         | 2    |
|      | 1-603920    | O-Ring (SAE #8).....               | 1    |
| 53   | 103-2315    | Elbow, 90° 3/4jicx3/4 Swvl.....    | 1    |
|      | 1-603992    | O-Ring (37° Flare #8).....         | 1    |
| 54   | 1-603990    | Fitting, Strt 3/4jicx3/4O-Rg.....  | 3    |
|      | 1-603992    | O-Ring (37° Flare #8).....         | 1    |
|      | 1-603920    | O-Ring (SAE #8).....               | 1    |
| 55   | 1-603991    | Fitting, Strt 3/4jicx7/8O-Rg.....  | 4    |
|      | 1-603992    | O-Ring (37° Flare #8).....         | 1    |
|      | 1-603919    | O-Ring (SAE #10).....              | 1    |
| 56   | 103-3110    | Filter, Hydraulic Inline.....      | 1    |
| 57   | 103-2148    | Hose, Hi-Pressure Fan Pump.....    | 1    |
| 58   | 1-323241    | Hose, Fan Motor Return.....        | 1    |
| 59   | 103-2172    | Hose, Pump Case Drain.....         | 1    |
| 60   | 103-2173    | Hose, Fan Case Drain.....          | 1    |
| 61   | 103-2174    | Hose, Tank Return.....             | 1    |
| 62   | 103-1471    | Hub, Hydro Pump Sheave.....        | 2    |
| 63   | 103-1472    | Sheave, Hydro Pump.....            | 2    |
| 64   | 1-633167    | Sheave, Fan Pump Idler.....        | 1    |
| 65   | 323-14      | Screw, 3/8-16 x 3.....             | 1    |
| 66   | 3296-29     | Nut, Nyloc 5/16-18.....            | 1    |
| 67   | 103-5121    | Asm, Filter Inlet Hose.....        | 1    |
| 68   | 103-4464    | Sheave, Hydro Pump Idler.....      | 1    |
| 69   | 103-3349    | Asm, Idler Arm (103-1417-03)       |      |
|      |             | w/Decals & Bearings.....           | 1    |
| 70   | 1-603384    | Bushing, Tightener Pivot.....      | 1    |
| 71   | 103-2104    | Clamp, Hose .89 Max Dia.....       | 1    |
| 72   | 1-643312    | Clamp, 1.00.....                   | 1    |
| 73   | 1-633396    | Clamp, .69.....                    | 2    |
| 74   | 103-5859    | Asm, Hydraulic Reservoir           |      |
|      |             | (103-4902-03) w/Decals.....        | 1    |
| 75   | 322-4       | Screw, 5/16-18 x 7/8.....          | 12   |
| 76   | 103-1299-03 | Plate, Fan Pump Mounting.....      | 1    |
| 77   | 1-805005    | Lockwasher, 5/16.....              | 6    |
| 78   | 322-2       | Screw, 5/16-18 x 5/8.....          | 6    |
| 79   | 1-603414    | Spring, Fan Pump Tightener.....    | 1    |
| 80   | 103-1575    | Spacer, Fan Pump Spring.....       | 2    |
| 81●  | 3256-4      | Washer, 3/8 Std.....               | 4    |
| ■    | 3256-4      | Washer, 3/8 Std.....               | 3    |
| 82*  | 103-5120    | Asm, Charge Hose.....              | 1    |
| 83   | 103-2269    | Asm, Pump Inlet.....               | 1    |
| 84   | 103-2259    | Filter Head.....                   | 1    |
| 85   | 103-1767    | Spring, Hydro Drive Tightener..... | 1    |
| 86   | 32150-1     | Key, Fan Pump Or Motor.....        | 2    |
| 87   | 1481        | Zerk, 45° 1/4-28.....              | 1    |
| 88●  | 103-0919    | Bushing, Tightener Pivot.....      | 1    |
| 89■  | 103-2916    | Guard, Top.....                    | 2    |
| 90■  | 103-3506    | Seal, Single Lip.....              | 2    |
| 91■  | 32120-10    | Ring, Retaining.....               | 2    |
| 92■  | 103-3504    | Bearing, Spherical.....            | 2    |
| 93■  | 106-7159    | O-ring.....                        | 2    |
| 94■  | 1-413088    | Spacer.....                        | 1    |

Exmark black touch up spray paint – gloss black.

- ▽ Use Teflon pipe sealant on pipe threads in reservoir and cooler.
- ◇ Use Prolock, Nut Type (P/N 1-840022, .5ml tube) on setscrews.
- \* Charge hose assembly includes items 67, 83, & 84 only.
- ✦ Apply Mobil HTS grease (P/N 103-5217 1.5 oz packet) to fan motor and fan pump shafts next to the seals.
- This component is required for units with S/N 464,999 and lower.
- This component is required for units with S/N 465,000 and higher.
- \* 103-6409 kit includes components shown for S/N 465,000 and higher and services all serial numbers.

# HYDRAULIC GROUP



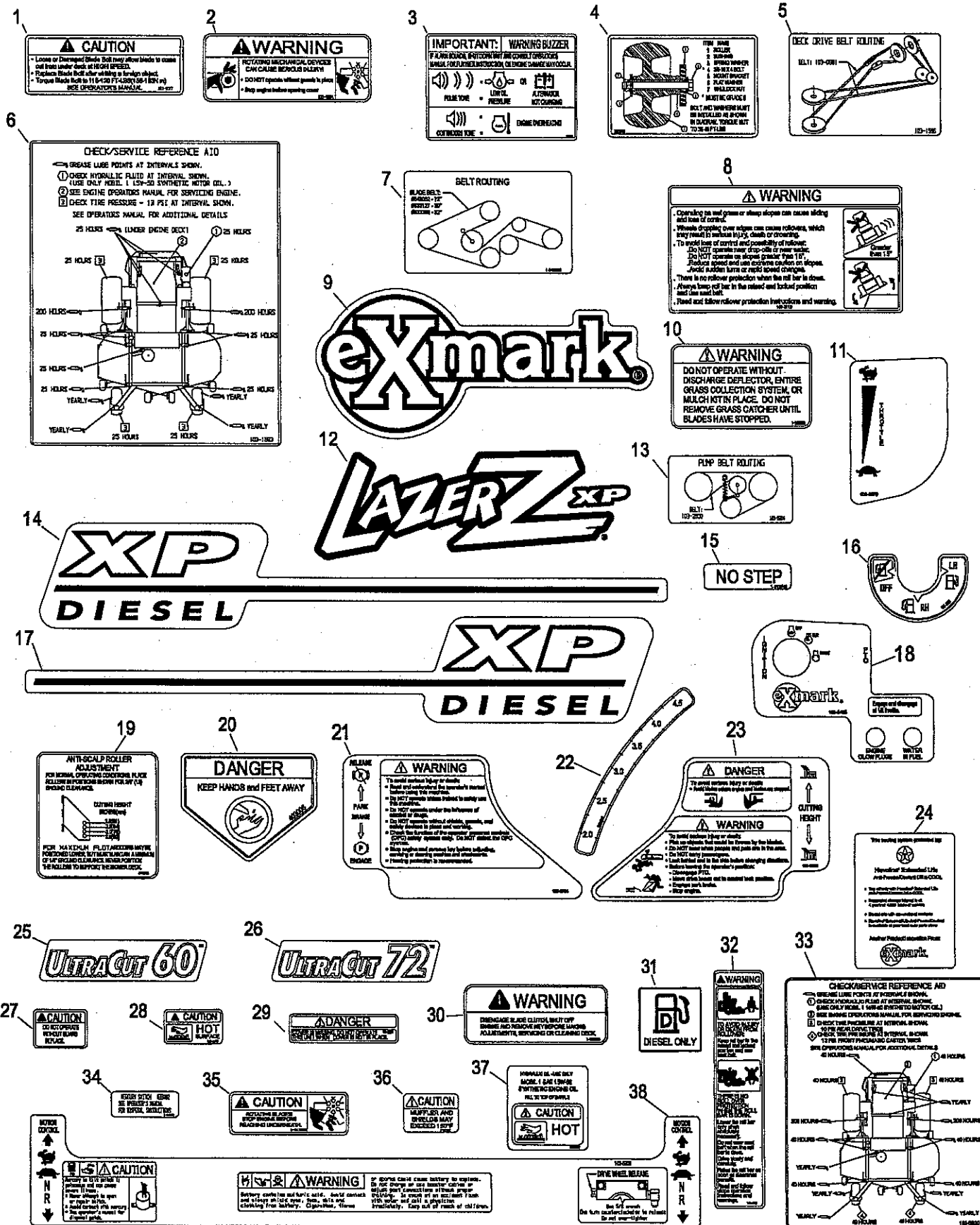
## DECAL GROUP

| Item | Part No. | Description                    | Qty. |
|------|----------|--------------------------------|------|
| 1    | 103-1077 | Decal, Bolt Torque .....       | 1    |
| 2    | 103-5881 | Decal, Rotating Devices .....  | 1    |
| 3    | 103-3276 | Decal, Warning Buzzer .....    | 1    |
| 4    | 1-323540 | Decal, Roller Mounting .....   | 1    |
| 5    | 103-1596 | Decal, Belt Routing .....      | 1    |
| 6●   | 103-1593 | Decal, Check Service .....     | 1    |
| 7    | 1-643222 | Decal, Belt Routing .....      | 1    |
| 8    | 107-2112 | Decal, Danger Slope .....      | 1    |
| 9    | 103-4574 | Decal, Exmark Logo .....       | 1    |
|      | 103-3999 | Decal, Exmark Logo .....       | 1    |
| 10   | 1-303508 | Decal, Discharge Warning ..... | 1    |
| 11   | 103-3679 | Decal, Console Throttle .....  | 1    |
| 12   | 103-3125 | Decal, Lazer XP Model .....    | 1    |
| 13   | 103-5304 | Decal, Belt Routing XP .....   | 1    |
| 14   | 103-5805 | Decal, Hood 27HP XP LH .....   | 1    |
| 15   | 1-513742 | Decal, No Step .....           | 2    |
| 16   | 103-0261 | Decal, Fuel Valve XP .....     | 1    |
| 17   | 103-5806 | Decal, Hood 27HP XP RH .....   | 1    |
| 18   | 103-5455 | Decal, Ignition / PTO XP ..... | 1    |
| 19   | 1-633922 | Decal, Anti-Scalp .....        | 1    |

| Item | Part No. | Description                         | Qty. |
|------|----------|-------------------------------------|------|
| 20   | 1-403005 | Decal, Danger .....                 | 2    |
| 21   | 103-3794 | Decal, Park Brake .....             | 1    |
| 22   | 1-633706 | Decal, Deck Height .....            | 1    |
| 23   | 103-3979 | Decal, Cutting Height .....         | 1    |
| 24   | 103-0223 | Decal, Havoline Coolant .....       | 1    |
| 25   | 103-1146 | Decal, Ultracut 60 .....            | 1    |
| 26   | 103-1147 | Decal, Ultracut 72 .....            | 1    |
| 27   | 1-513748 | Decal, Guard .....                  | 1    |
| 28   | 103-2076 | Decal, Caution Hot Surface .....    | 2    |
| 29   | 98-5954  | Decal, Missing Cover .....          | 5    |
| 30   | 1-633313 | Decal, Warning .....                | 1    |
| 31   | 103-1636 | Decal, Diesel Only .....            | 2    |
| 32   | 107-2102 | Decal, Folding ROPS .....           | 1    |
| 33■  | 103-6320 | Decal, Check Service .....          | 1    |
| 34   | 1-643401 | Decal, Mercury Switch .....         | 1    |
| 35   | 1-643253 | Decal, Radiator Fan .....           | 2    |
| 36   | 1-513746 | Decal, Muffler .....                | 1    |
| 37   | 1-523552 | Decal, Hyd Tank / Hot Surface ..... | 1    |
| 38   | 103-5200 | Decal, Top Console .....            | 1    |
|      | 103-5885 | Decal Kit, XP .....                 | 1    |

- This component is required for units with S/N 464,999 and lower.
- This component is required for units with S/N 465,000 and higher.

## DECAL GROUP



## 27HP DIESEL ELECTRICAL GROUP

| Item | Part No.    | Description                      | Qty. |
|------|-------------|----------------------------------|------|
| 1    | 1-543792    | Wingnut, Nyloc.....              | 2    |
| 2    | 103-1311-03 | Holddown, Battery.....           | 1    |
| 3    | 103-1312    | Bolt, Battery Holddown.....      | 2    |
| 4    | 1-643178    | Insulator, Alternator (+).....   | 1    |
| 5    | 103-1340    | Insulator, Battery Terminal..... | 1    |
| 6★   |             | Battery, 12V SAE Post.....       | 1    |
| 7    | 3290-500    | Screw, #10-24 x 5/8.....         | 10   |
| 8    | 103-5218    | Module, Seat Delay.....          | 1    |
| 9    | 3296-2      | Nut, #10-24 Nyloc.....           | 8    |
| 10   | 1-513051    | Switch, Drive Lever N.O.....     | 2    |
| 11   | 1-633181    | Plate, Tapped.....               | 3    |
| 12   | 1-643267    | Indicator, Red LED.....          | 1    |
| 13   | 1-513374    | Meter, Engine Hours.....         | 1    |
| 14   | 103-2106    | Key, Exmark Logo.....            | 1    |
|      | 1-603511    | Key, Ignition.....               | 1    |
| 15●  | 103-0949    | Sender, Temperature 1/8 NPT..... | 1    |
| 16   | 103-0498    | Nut, Ignition.....               | 1    |
| 17   | 103-0206    | Switch, Ignition w/ Keys.....    | 1    |
| 18   | 103-5221    | Switch, PTO.....                 | 1    |
| 19   | 103-1320    | Indicator, Amber LED.....        | 1    |
| 20   | 1-633396    | Clip, Loom .69.....              | 3    |
| 21   | 1-633111    | Switch, Brake N.O./N.C.....      | 1    |
| 22   | 103-1420    | Insulator, Starter (+).....      | 1    |
| 23   | 32128-33    | Nut, 1/4-20 Whizlock.....        | 1    |
| 24   | 3256-22     | Washer, 1/4 SAE.....             | 1    |
| 25   | 321-4       | Screw, 1/4-20 x 3/4.....         | 3    |
| 26   | 1-807513    | Bolt, Carriage #10-24 x 1/2..... | 2    |
| 27◆  | 103-4340    | Harness, Wiring.....             | 1    |
| 28   | 1-633782    | Switch, Tilt.....                | 1    |

| Item | Part No.          | Description                            | Qty. |
|------|-------------------|----------------------------------------|------|
| 29   | 103-1159          | Cable, Battery Ground (-).....         | 1    |
| 30*  | 103-1160          | Cable, Starter(+) W/Insulators.....    | 1    |
| 31   | 322-3             | Screw, 5/16-18 x 3/4.....              | 2    |
| 32   | 32128-20          | Nut, 5/16-18 Whizlock.....             | 2    |
| 33■  | Briggs & Stratton | P/N 820373 Module, Pre-Heat Timer..... | 1    |
| 34   | 103-1349          | Cable, Engine Ground (-).....          | 1    |
| 35   | 3296-42           | Nut, 1/4-20 Nyloc.....                 | 2    |
| 36   | 32144-70          | Screw, 5/16-18 x 3/4 Taptite.....      | 1    |
| 37   | 1-643275          | Relay, 12V.....                        | 4    |
| 38   | 1-816001          | Fuse, 20 Amp.....                      | 1    |
| 39   | 103-1368          | Fuse, 40 Amp.....                      | 1    |
| 40   | 1-513762          | Clip, Loom .50.....                    | 1    |
| 41   | 1-643037          | Gauge, Voltmeter.....                  | 1    |
| 42   | 1-643021          | Gauge, Temperature.....                | 1    |
| 43   | 1-303335          | Plastic Tie (Medium).....              | 11   |
| 44◆  | 103-1227          | Wiring Harness, Seat.....              | 1    |
| 45   | 103-0205          | Alarm, Dual Tone.....                  | 1    |
| 46   | 33113-020         | Screw, M6x1 x 20mm.....                | 1    |
| 47   | 1-603727          | Clip, Loom .50.....                    | 1    |
| 48   | 3256-14           | Washer, #10 SAE.....                   | 2    |
| 49   | 1-803071          | Screw, #10-24 x 1/2.....               | 2    |
| 50   | 33023-00          | Nut, M6 Nyloc.....                     | 1    |
| 51   | 323-6             | Screw, 3/8-16 x 1.....                 | 1    |
| 52   | 3256-24           | Washer, Flat SAE 3/8.....              | 1    |
| 53   | 3290-357          | Nut, Whizlock 3/8-16.....              | 1    |
| 54◆  | 103-4339          | Harness, Gauge XP.....                 | 1    |
| 55   | 1-323229          | Clip, Loom .375.....                   | 1    |
| 56   | 321-2             | Screw, 1/4-20 x 1/2.....               | 1    |

◆ Use dielectric grease on all wiring harness connectors.

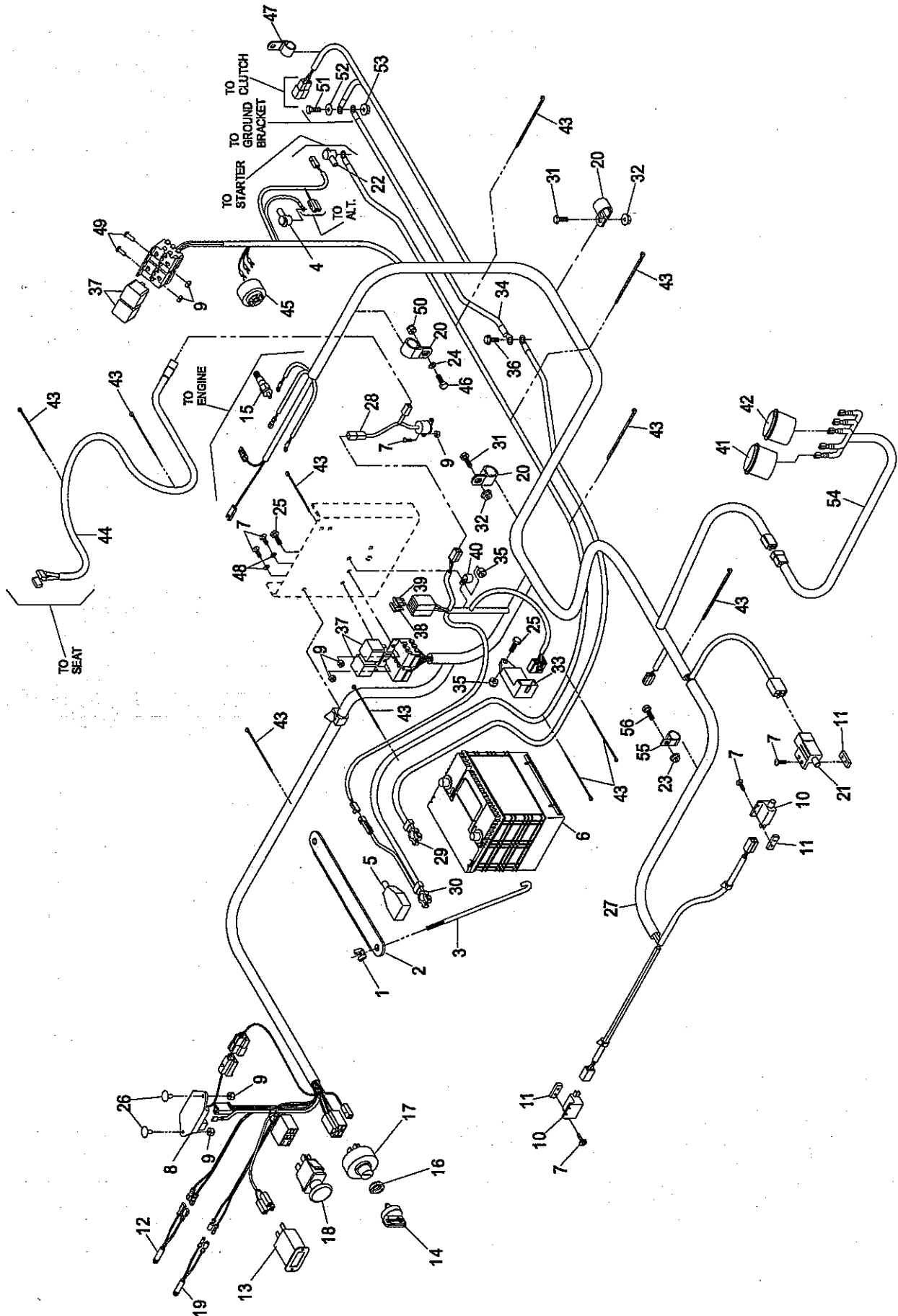
★ 12 Volt battery, BCI group size 25, 550 cca. For warranty and/or direct replacement contact Douglas Battery at 1-800-DOUGLAS.

■ Refer to Engine Owner's Manual.

\* Starter Cable includes insulators 103-1340 & 103-1420.

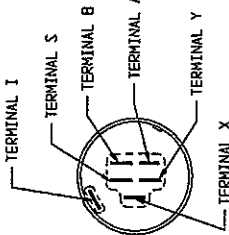
● Use Teflon pipe sealant on pipe threads on temperature sending unit.

# 27 HP DIESEL ELECTRICAL GROUP



# HOLERS NEILINGI

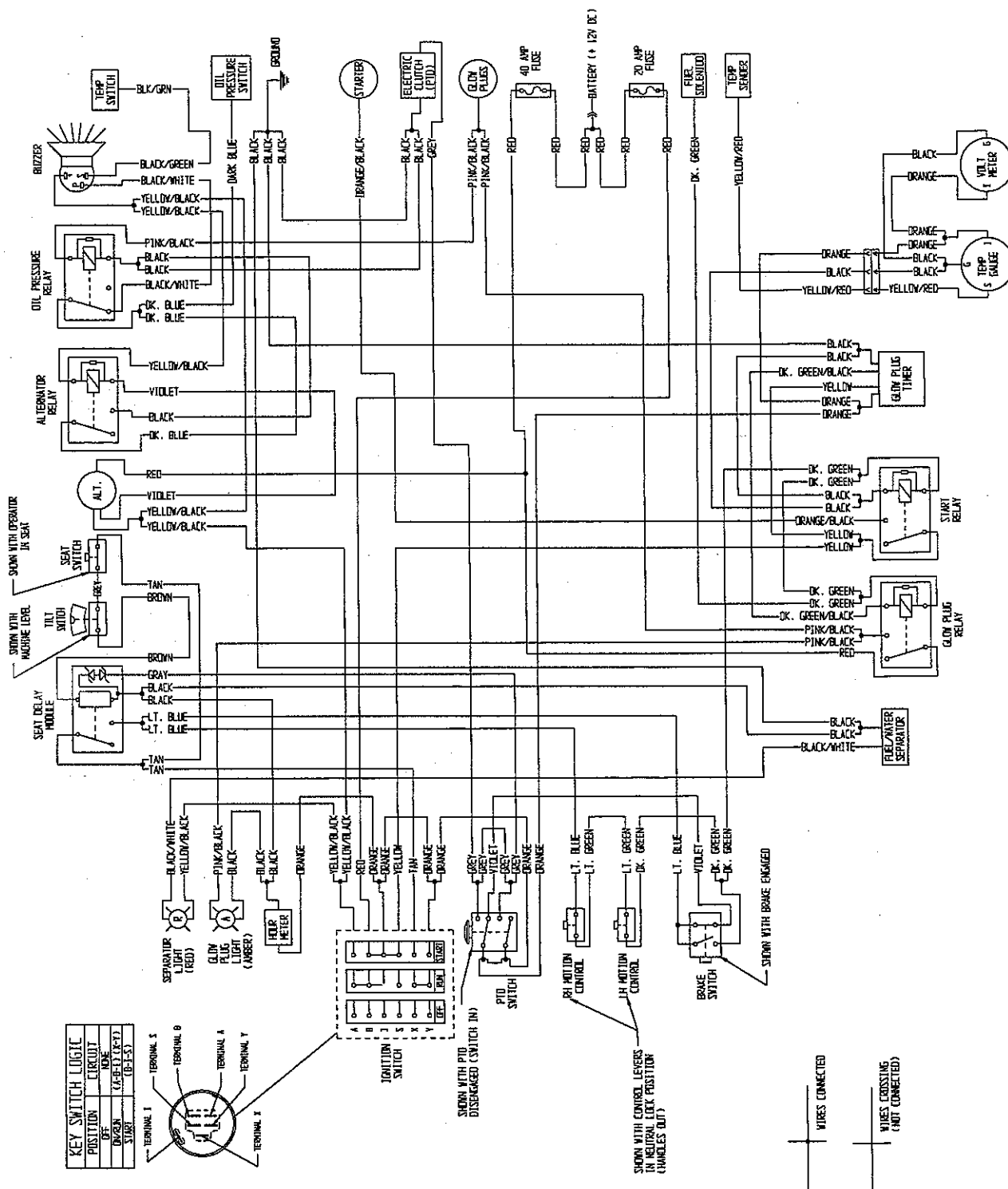
| TERMINAL   | CONNECTIONS                 |
|------------|-----------------------------|
| TERMINAL A | SEPARATOR LIGHT, ALTERNATOR |
| TERMINAL B | BATTERY                     |
| TERMINAL I | HOUR METER, PTO SWITCH      |
| TERMINAL S | START RELAY                 |
| TERMINAL X | SEAT BELT, TILT SWITCH      |
| TERMINAL Y | HOUR METER, PTO SWITCH      |



| POSITION | CIRCUIT "NAME"      |
|----------|---------------------|
| 1. OFF   | NONE                |
| 2. RUN   | $B + I + A$ $X + Y$ |
| 3. START | $B + I + S$         |



## 27 HP DIESEL WIRE ELECTRICAL LOGIC SCHEMATIC



## NOTES

## SERVICE RECORD

[illegible]

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