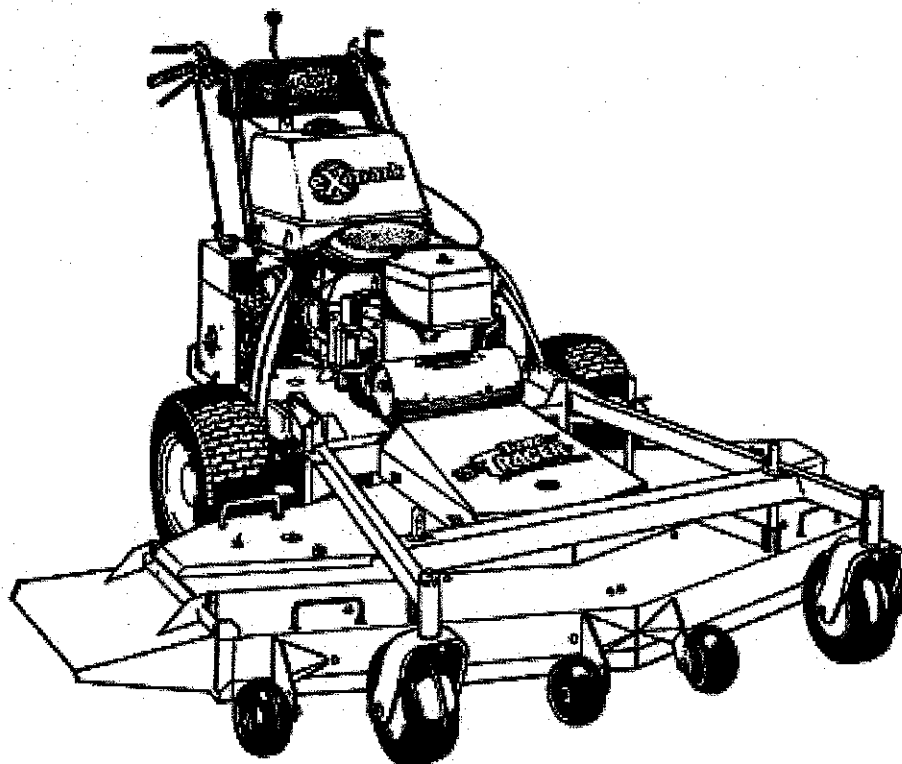


For Serial Nos.  
220,000 & Higher



# PARTS MANUAL

## TURF TRACER®

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 of the tractor is located on top of the engine frame on the right hand side of the machine. The Serial No. plate for the mower deck is located on the rear left hand top side of the deck plate next to the handle.

For ease of ordering and reference, we suggest that you record the information requested in the following identification table.

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

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

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

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

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

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

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

Paste Label From  
Literature Packet Here

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# EXMARK PARTS PLUS® PROGRAM

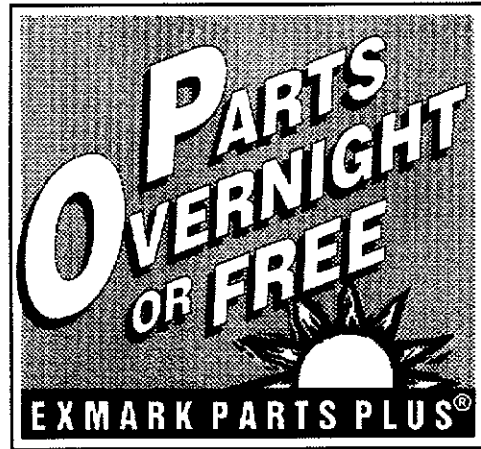
EFFECTIVE DATE: September 1, 1995

## 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 3:00 p.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.

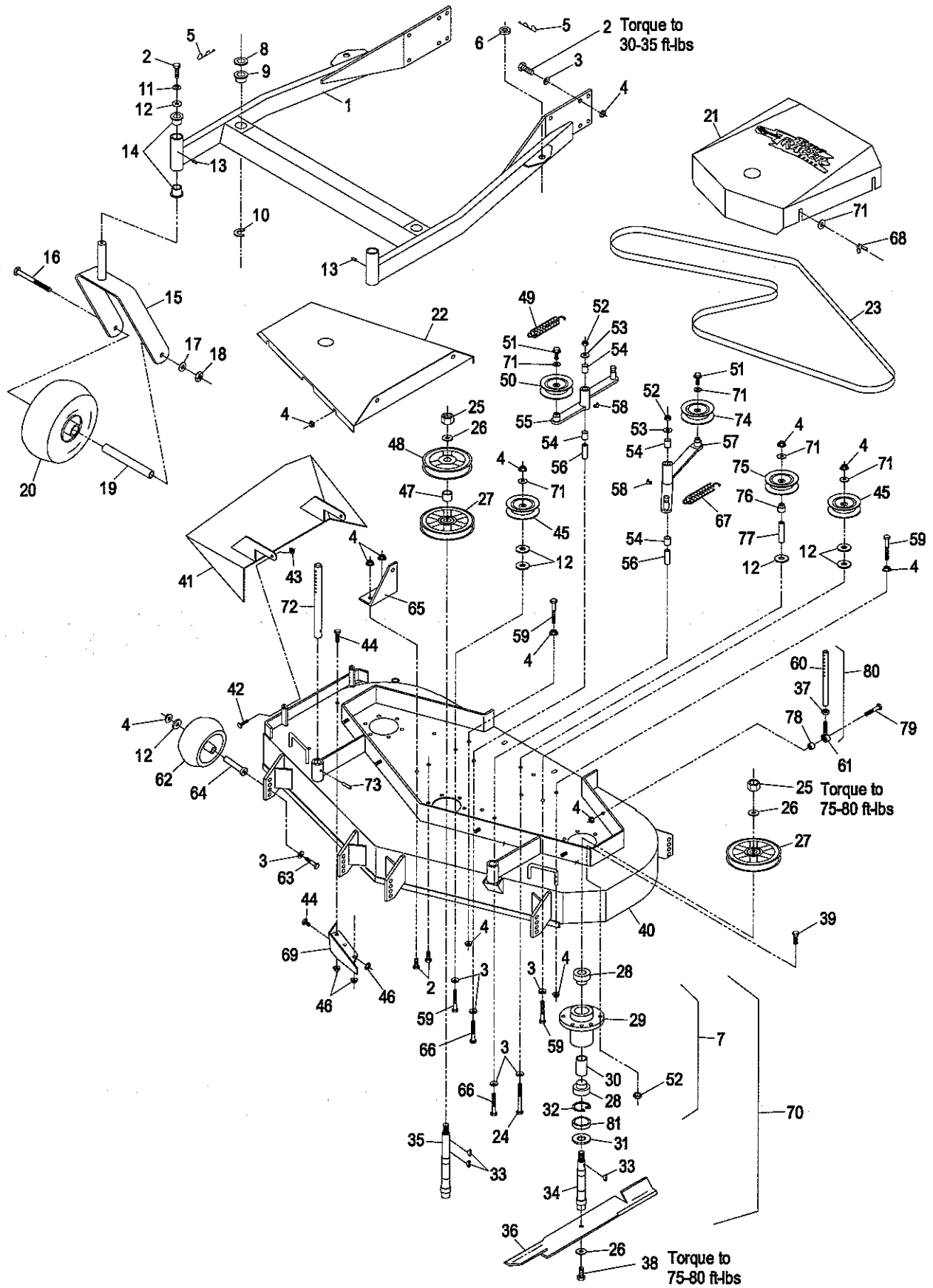


**READ OPERATOR'S MANUAL BEFORE  
OPERATING OR SERVICING EXMARK EQUIPMENT.**

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# 52" MOWER DECK



## 52" MOWER DECK

| Ref. No. | Part No. | Description                                        | Qty. Req'd. | Ref. No. | Part No. | Description                                | Qty. Req'd. |
|----------|----------|----------------------------------------------------|-------------|----------|----------|--------------------------------------------|-------------|
| 1        | 604960   | Support, deck 612092<br>w/ bushings & decals ..... | 1           | 41       | 602571   | Chute, discharge.....                      | 1           |
| 2        | 800292   | Capscrew, 3/8-16 x 1 .....                         | 12          | 42       | 800273   | Capscrew, 5/16-18 x 1 .....                | 2           |
| 3♦       | 303327   | Washer, disc spring 3/8 .....                      | 19          | 43       | 804256   | Nut, nylock 5/16-18 .....                  | 2           |
| 4♦       | 809007   | Nut, whizlock 3/8-16 .....                         | 33          | 44       | 800270   | Capscrew, 5/16-18 x 5/8 .....              | 3           |
| 5        | 806009   | Hairpin, .177 #206 .....                           | 4           | 45       | 303516   | Pulley, V-Idler .....                      | 2           |
| 6        | 303164   | Spacer, blade driver .....                         | 2           | 46       | 809001   | Nut, whizlock 5/16-18 .....                | 3           |
| 7        | 634619   | Housingw/Brg, Spacer & Ring...                     | 3           | 47       | 603504   | Spacer, tube .....                         | 1           |
| 8        | 413425   | Washer .....                                       | 2           | 48       | 603581   | Sheave, mower drive .....                  | 1           |
| 9        | 513336   | Bushing, deck support .....                        | 2           | 49       | 603413   | Spring, extension .....                    | 1           |
| 10       | 808507   | Ring, retaining (external) .....                   | 2           | 50       | 603497   | Pulley, idler .....                        | 1           |
| 11       | 805006   | Washer, lock 3/8 hvy spring....                    | 2           | 51       | 803016   | Screw, whizlock 3/8-16 x 1.....            | 2           |
| 12♦      | 373034   | Washer, pivot .....                                | 13          | 52       | 804257   | Nut, nylock 3/8-16 .....                   | 20          |
| 13       | 811001   | Zerk, 1/8 NPT (straight) .....                     | 2           | 53       | 805260   | Washer, 3/8 .....                          | 2           |
| 14       | 303514   | Bearing, flange thrust .....                       | 4           | 54       | 513034   | Bearing, pivot .....                       | 4           |
| 15       | 522143   | Fork, caster .....                                 | 2           | 55       | 602604   | Idler arm assy w/bearings .....            | 1           |
| 16       | 800334   | Capscrew, 1/2-13 x 6 .....                         | 2           |          | 602591   | Arm, deck idler .....                      | 1           |
| 17       | 805008   | Washer, lock 1/2 .....                             | 2           | 56       | 603384   | Bushing, idler pivot .....                 | 2           |
| 18       | 804509   | Nut, 1/2-13 .....                                  | 2           | 57       | 602865   | Idler arm, w/bearings<br>deck drive .....  | 1           |
| 19       | 513547   | Spacer, front caster .....                         | 2           |          | 602867   | Arm, deck drive idler .....                | 1           |
| 20       | 513648   | Tire/wheel assy, 9 x 3.50-4 ....                   | 2           | 58       | 811008   | Zerk, 1/4-28 (90°) .....                   | 2           |
|          | 513807   | Wheel .....                                        | 2           | 59       | 800297   | Capscrew, 3/8-16 x 2-1/4 .....             | 4           |
|          | 513808   | Tire 9 x 3.50-4 .....                              | 2           | 60       | 413525   | Link, rear deck support .....              | 2           |
|          | 513809   | Bearing .....                                      | 2           | 61       | 613204   | Balljoint .....                            | 2           |
|          | 513810   | Bushing .....                                      | 4           | 62       | 603299   | Roller, anti scalp .....                   | 6           |
| 21       | 614041   | Cover w/decals .....                               | 1           | 63       | 800807   | Capscrew, 3/8-16 x 4 Gr8 .....             | 6           |
| 22       | 602545   | Cover, deck .....                                  | 2           | 64       | 603602   | Bushing, roller .....                      | 6           |
| 23       | 603576   | Belt, blade drive .....                            | 1           | 65       | 603620   | Bracket, spring anchor .....               | 1           |
| 24♦      | 800302   | Capscrew, 3/8-16 x 4 .....                         | 1           | 66       | 800805   | Capscrew, 3/8-16 x 3 1/2 Gr8 .             | 2           |
| 25       | 804510   | Nut, 5/8-18 UNF .....                              | 3           | 67       | 603414   | Spring, extension .....                    | 1           |
| 26       | 513208   | Spring, disk .....                                 | 6           | 68       | 543678   | Wingnut, nylock .....                      | 4           |
| 27*      | 553039   | Sheave, blade drive .....                          | 3           | 69       | 602913   | Baffle .....                               | 1           |
| 28       | 513016   | Bearing, ball .....                                | 6           | 70▲      | 554033   | Housing, cutter complete<br>(center) ..... | 1           |
| 29       | 323532   | Housing, bearing .....                             | 3           |          | 554019   | Housing, cutter complete<br>(outer) .....  | 2           |
| 30       | 323528   | Spacer, bearing .....                              | 3           | 71♦      | 805259   | Washer, 3/8 SAE Flat .....                 | 5           |
| 31       | 633573   | Guard, dust .....                                  | 3           | 72       | 603001   | Rod, deck support .....                    | 2           |
| 32       | 808502   | Snap ring .....                                    | 3           | 73       | 806332   | Roll pin, 1/4 x 1-1/2 .....                | 2           |
| 33       | 807006   | Key, woodruff #61 .....                            | 4           | 74       | 613098   | Idler .....                                | 1           |
| 34       | 633574   | Spindle, outer blade .....                         | 2           | 75♦      | 603805   | Idler .....                                | 1           |
| 35       | 553038   | Spindle, center blade .....                        | 1           | 76♦      | 513791   | Bushing .....                              | 1           |
| 36       | 633482   | Blade, notched air foil .....                      | 3           | 77♦      | 603494   | Spacer .....                               | 1           |
|          | 613251   | Blade, solid air foil .....                        | 3           | 78       | 603050   | Spacer .....                               | 2           |
|          | 633485   | Blade, low lift .....                              | 3           | 79       | 800295   | Capscrew, 3/8-16 x 1 3/4 .....             | 2           |
| •        | 633484   | Blade, mulching .....                              | 3           | 80       | 414521   | Link Assy .....                            | 2           |
| 37       | 804525   | Nut, hex 3/8-24 .....                              | 2           | 81       | 323533   | Spacer, Shv/Brg .....                      | 3           |
| 38       | 800848   | Capscrew, 5/8-11 x 1 Gr8 .....                     | 3           |          |          |                                            |             |
| 39       | 800293   | Capscrew, 3/8-16 x 1 1/4 .....                     | 18          |          |          |                                            |             |
| 40♦      | 612155   | Deck, 612287 with<br>support rods & baffle .....   | 1           |          |          |                                            |             |

♦ These parts are available in an Idler Pulley Kit (Part No. 601806). Each kit contains one item each of the referenced item number.

• Requires installation of Micro-Mulch accessory for proper mulching. Mulch kit P/N MK523.

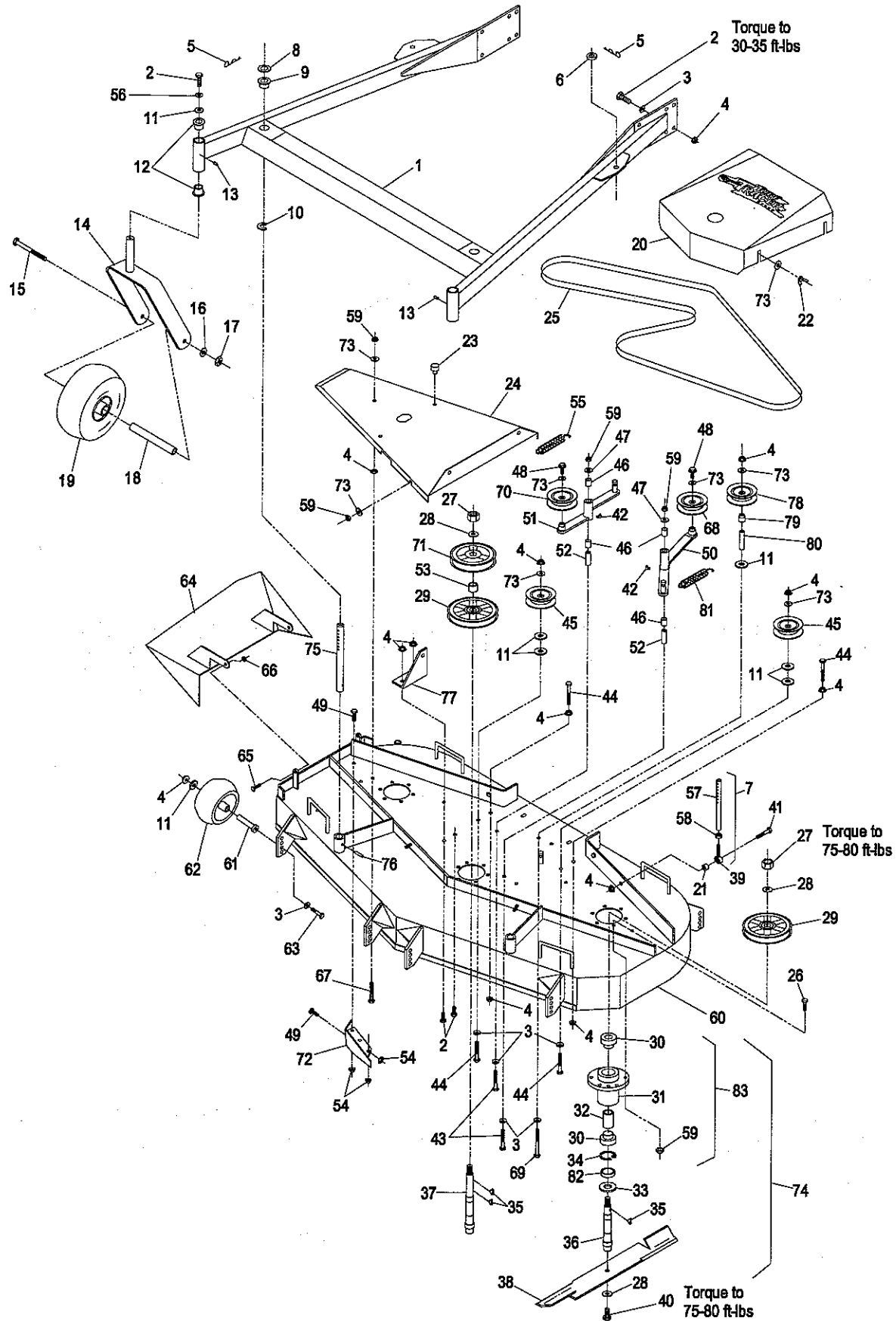
♦ Deck weldmt does include welded in flow control baffles.

▲ **Outer** cutter housing complete includes sheave, washer and nut. **Center** cutter housing complete includes sheaves, washer, spacer and nut.

\* Use Antisize on bore of sheave.

Exmark red touch up spray paint - P/N 850337

# 60" MOWER DECK



# 60" MOWER DECK

| Ref. No. | Part No. | Description                                        | Qty. Req'd. | Ref. No. | Part No. | Description                                         | Qty. Req'd. |
|----------|----------|----------------------------------------------------|-------------|----------|----------|-----------------------------------------------------|-------------|
| 1        | 604847   | Support, deck 612094<br>w/ bushings & decals ..... | 1           | 42       | 811008   | Zerk, 1/4-28 (90°) .....                            | 2           |
| 2        | 800292   | Capscrew, 3/8-16 x 1 .....                         | 12          | 43       | 800805   | Capscrew, 3/8-16 x 3.5 .....                        | 2           |
| 3♦       | 303327   | Washer, disc spring 3/8 .....                      | 19          | 44       | 800297   | Capscrew, 3/8-16 x 2-1/4 .....                      | 4           |
| 4♦       | 809007   | Nut, whizlock 3/8-16 .....                         | 27          | 45       | 303516   | Pulley, V-idler .....                               | 2           |
| 5-       | 806009   | Hairpin, .177 #206 .....                           | 4           | 46       | 513034   | Bearing, pivot .....                                | 4           |
| 6        | 303164   | Spacer, blade driver .....                         | 2           | 47       | 805260   | Washer, 3/8 stdn flat .....                         | 2           |
| 7        | 414521   | Link assy .....                                    | 2           | 48       | 803016   | Bolt, whizlock 3/8-16 x 1 .....                     | 2           |
| 8        | 413425   | Washer .....                                       | 2           | 49       | 800270   | Capscrew, 5/16-18 x 5/8 .....                       | 3           |
| 9        | 513336   | Bushing, deck support .....                        | 2           | 50       | 602867   | Arm, deck drive idler .....                         | 1           |
| 10       | 808507   | Ring, retaining (external) .....                   | 2           |          | 602865   | Idler arm assy, deck drive<br>(with bearings) ..... | 1           |
| 11♦      | 373034   | Washer, pivot .....                                | 13          | 51       | 602591   | Arm, deck idler .....                               | 1           |
| 12       | 303514   | Bearing, flange thrust .....                       | 4           |          | 602604   | Idler arm, w/bearings .....                         | 1           |
| 13       | 811001   | Zerk, 1/8 NPT (straight) .....                     | 2           | 52       | 603384   | Bushing, idler pivot .....                          | 2           |
| 14       | 522143   | Fork, caster .....                                 | 2           | 53       | 603504   | Spacer, tube .....                                  | 1           |
| 15       | 800334   | Capscrew, 1/2-13 x 6 .....                         | 2           | 54       | 809001   | Nut, whizlock 5/16-18 .....                         | 3           |
| 16       | 805008   | Washer, lock 1/2 .....                             | 2           | 55       | 603413   | Spring, extension .....                             | 1           |
| 17       | 804509   | Nut, 1/2-13 .....                                  | 2           | 56       | 805006   | Washer, lock 3/8 (hvy spring) .                     | 2           |
| 18       | 513547   | Spacer, front caster .....                         | 2           | 57       | 413525   | Link, rear deck support .....                       | 2           |
| 19       | 513648   | Tire/whl assy, 9 x 3.50-4 .....                    | 2           | 58       | 804525   | Nut, hex 3/8-24 .....                               | 2           |
|          | 513807   | Wheel .....                                        | 2           | 59       | 804257   | Nut, nylock 3/8-16 .....                            | 26          |
|          | 513808   | Tire 9 x 3.50-4 .....                              | 2           | 60♦      | 612149   | Deck, 612286 with<br>support rods & baffle .....    | 1           |
|          | 513809   | Bearing .....                                      | 2           | 61       | 603602   | Bushing, roller .....                               | 6           |
|          | 513810   | Bushing .....                                      | 4           | 62       | 603299   | Roller, anti scalp .....                            | 6           |
| 20       | 614110   | Cover w/decals .....                               | 1           | 63       | 800807   | Capscrew, 3/8-16 x 4 (Gr 8) .....                   | 6           |
| 21       | 603050   | Spacer .....                                       | 2           | 64       | 542606   | Chute, discharge .....                              | 1           |
| 22-      | 543678   | Wingnut, nylon insert .....                        | 10          | 65       | 800273   | Capscrew, 5/16-18 x 1 .....                         | 2           |
| 23       | 513291   | Bumper, seat .....                                 | 2           | 66       | 804256   | Nut, nylock 5/16-18 .....                           | 2           |
| 24       | 542588   | Cover, deck .....                                  | 2           | 67       | 800031   | Tapbolt, 3/8-16 x 2 3/4 .....                       | 2           |
| 25       | 603045   | Belt, blade drive .....                            | 1           | 68       | 613098   | Pulley, flat idler .....                            | 1           |
| 26       | 800293   | Capscrew, 3/8-16 x 1 1/4 .....                     | 18          | 69♦      | 800302   | Capscrew, 3/8-16 x 4 (Gr 5) .....                   | 1           |
| 27       | 804510   | Nut, 5/8-18 UNF .....                              | 3           | 70       | 603497   | Pulley, idler .....                                 | 1           |
| 28       | 513208   | Washer, disc spring .....                          | 6           | 71       | 613024   | Sheave, mower drive .....                           | 1           |
| 29*      | 553039   | Sheave, blade drive .....                          | 3           | 72       | 602913   | Baffle .....                                        | 1           |
| 30       | 513016   | Bearing, ball .....                                | 6           | 73♦      | 805259   | Washer, 3/8 SAE .....                               | 13          |
| 31       | 323532   | Bearing, housing .....                             | 3           | 74▲      | 554019   | Cutter hsg, outer complete ....                     | 2           |
| 32       | 323528   | Spacer, bearing .....                              | 3           |          | 554018   | Cutter hsg, center complete ....                    | 1           |
| 33       | 633573   | Guard .....                                        | 3           | 75       | 603001   | Rod, deck support .....                             | 2           |
| 34       | 808502   | Snap ring .....                                    | 3           | 76       | 806332   | Rollpin .....                                       | 2           |
| 35       | 807006   | Key, woodruff 5/8 x 3/16 .....                     | 4           | 77       | 603620   | Bracket, spring anchor .....                        | 1           |
| 36       | 633574   | Spindle, outer blade .....                         | 2           | 78♦      | 603805   | Idler .....                                         | 1           |
| 37       | 553038   | Spindle, center blade .....                        | 1           | 79♦      | 513791   | Bushing .....                                       | 1           |
| 38       | 633483   | Blade, notched air foil .....                      | 3           | 80♦      | 603494   | Spacer .....                                        | 1           |
|          | 603283   | Blade, solid air foil .....                        | 3           | 81       | 603414   | Spring, extension .....                             | 1           |
|          | 613111   | Blade, low lift .....                              | 3           | 82       | 323533   | Spacer w/bearing .....                              | 3           |
|          | 613112   | Blade, mulching .....                              | 3           | 83       | 634619   | Housing w/brg, spacer, & ring .                     | 3           |
| 39       | 613204   | Balljoint .....                                    | 2           |          |          |                                                     |             |
| 40       | 800848   | Capscrew, 5/8-11 x 1 (Gr8) .....                   | 3           |          |          |                                                     |             |
| 41       | 800295   | Capscrew, 3/8-16 x 1 3/4 .....                     | 2           |          |          |                                                     |             |

♦ These parts are available in an Idler Pulley Kit (Part No. 601806). Each kit contains one item each of the referenced item number.

• Requires installation of Micro-Mulch accessory for proper mulching. Mulch kit P/N MK603.

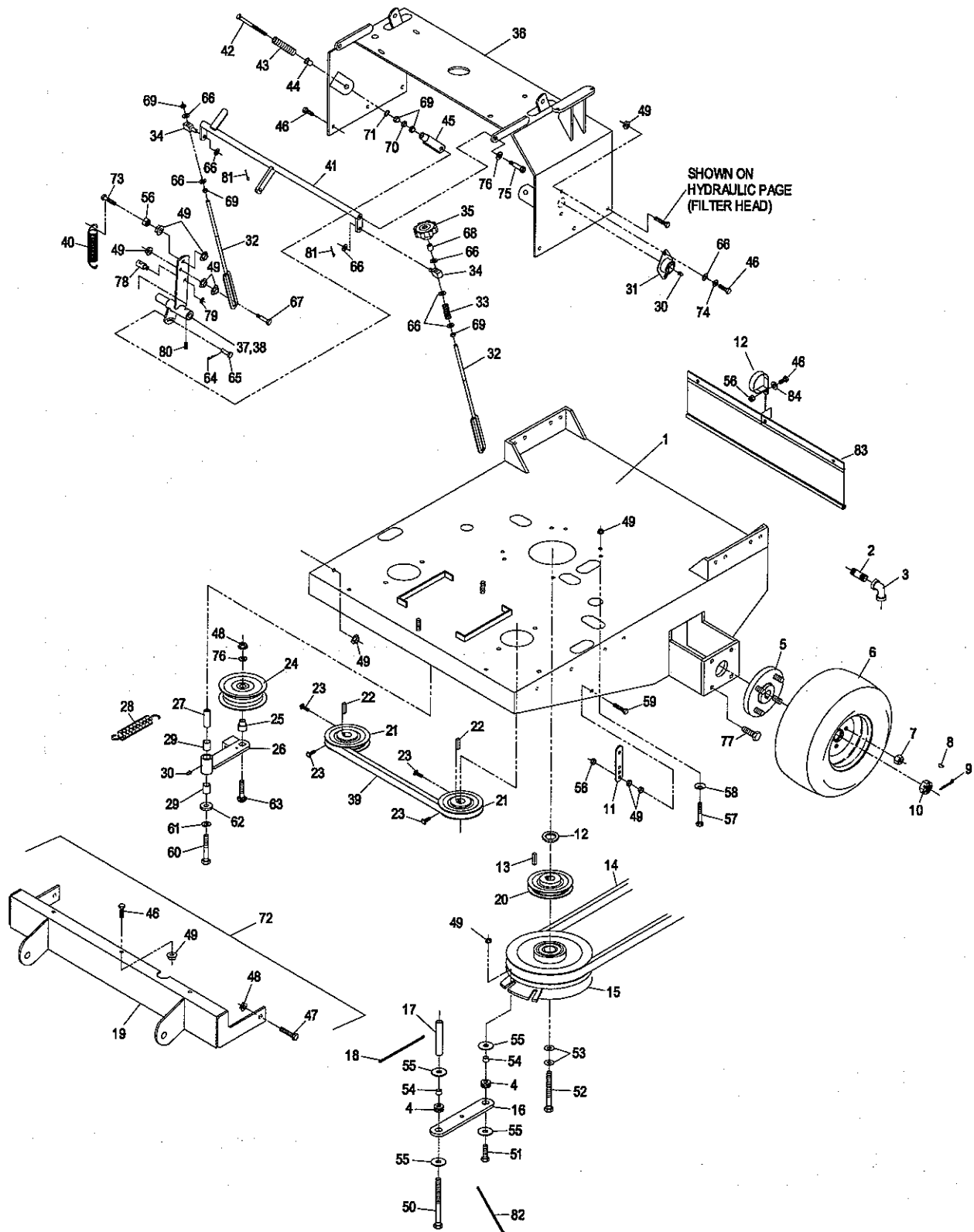
♦ Deck weldmt does include welded in flow control baffles.

▲ **Outer** cutter housing complete includes sheave, washer and nut. **Center** cutter housing complete includes sheaves, washer, spacer and nut.

\* Use antisieze on bore of sheave.

Exmark red touch up spray paint - P/N 850337

# ENGINE DECK GROUP



# ENGINE DECK GROUP

| Ref. No. | Part No. | Description                        | Qty. Req'd. | Ref. No. | Part No. | Description                       | Qty. Req'd. |
|----------|----------|------------------------------------|-------------|----------|----------|-----------------------------------|-------------|
| 1        | 612299   | Engine Deck Weldment.....          | 1           | 41       | 612173   | Crank weldmt .....                | 1           |
| 2*       | 543064   | Pipe nipple (Koh Only).....        | 1           | 42       | 603737   | Bolt, neutral return.....         | 2           |
| 3*       | 303428   | Elbow, 90 (Koh Only).....          | 1           | 43       | 603807   | Spring, neutral return.....       | 2           |
| 4        | 633630   | Grommet .....                      | 2           | 44       | 603735   | Bushing, flanged.....             | 2           |
| 5        | 602997   | Hub, 4 bolt .....                  | 2           | 45       | 303105   | Yoke, adjustable.....             | 2           |
|          | 633926   | Stud .....                         | 8           | 46       | 800271   | Screw, 5/16-18 x 3/4 .....        | 15          |
| 6        | 613263   | Tire and wheel assy.....           | 2           | 47       | 800292   | Screw, 3/8-16 x 1 .....           | 2           |
|          | 613264   | Tire only .....                    | 2           | 48       | 809007   | Nut, 3/8-16 whizlock.....         | 3           |
|          | 603715   | Rim only.....                      | 2           | 49       | 809001   | Nut, 5/16-18 whizlock.....        | 30          |
| 7        | 513011   | Nut, wheel.....                    | 8           | 50       | 800385   | Screw, 5/16-18 x 4 1/2 .....      | 1           |
| 8        | 807019   | Key, woodruff 1" x 1/4" .....      | 2           | 51       | 800274   | Screw, 5/16-18 x 1 1/4 .....      | 1           |
| 9        | 806800   | Pin, cotter 9/64 X 1 1/2 .....     | 2           | 52V      | 800819   | Screw, 7/16-20 x 2 1/2 (Koh) ..   | 1           |
| 10       | 803040   | Nut, 3/4-16-2B slotted hex.....    | 2           |          | 800820   | Screw, 7/16-20 x 3 (Kaw) .....    | 1           |
| 11       | 613089   | Anchor, spring .....               | 2           | 53       | 603610   | Washer, spring disc.....          | 2           |
| 12       | 613307   | Clip, loom 2.06 dia. ....          | 3           | 54       | 633545   | Spacer, clutch anchor .....       | 2           |
| 13       | 807259   | Key, 1/4 x 1/4 x 1 .....           | 1           | 55       | 613235   | Washer.....                       | 4           |
| 14       | 603306   | Belt, deck drive(52" & 60").....   | 1           | 56       | 804256   | Nut, nylock 5/16-18 .....         | 7           |
| 15       | 611223   | Clutch w/strap assembled .....     | 1           | 57       | 800275   | Screw, 5/16-18 x 1 1/2 .....      | 4           |
|          | 631731   | Clutch w/plastic tie.....          | 1           | 58       | 303334   | Washer, 5/16 disc spring .....    | 4           |
| 16       | 633543   | Strap, clutch.....                 | 1           | 59       | 800016   | Bolt, tap 5/16-18 x 1 1/4 .....   | 2           |
| 17       | 323195   | Standoff, clutch.....              | 1           | 60V      | 800298   | Screw, 3/8-16 x 2 1/2 .....       | 1           |
| 18       | 303287   | Plastic tie, small.....            | 1           | 61       | 805006   | Washer, lock 3/8 heavy.....       | 1           |
| 19       | 602438   | Hitch weldmt .....                 | 1           | 62       | 373034   | Washer, pivot .....               | 1           |
| 20•      | 653035   | Sheave, 4 1/4 O.D .....            | 1           | 63       | 807517   | Screw, 3/8-16 x 1 3/4 .....       | 1           |
| 21       | 413010   | Sheave, Pump .....                 | 2           | 64       | 806003   | Hairpin, cotter .....             | 2           |
| 22       | 807272   | Key, 5mm sq x 25mm.....            | 2           | 65       | 808280   | Clevis pin.....                   | 2           |
| 23V      | 803050   | Setscrew, 5/16-18 x 3/4 .....      | 4           | 66       | 805257   | Washer, 5/16.....                 | 11          |
| 24       | 603843   | Pulley, idler .....                | 1           | 67       | 403180   | Screw, 5/16-18x1-3/8 special..    | 2           |
| 25       | 603496   | Bushing, idler .....               | 1           | 68       | 603903   | Spacer .....                      | 1           |
| 26       | 602521   | Idler arm w/bushings .....         | 1           | 69       | 804521   | Nut 5/16-24 regular .....         | 7           |
|          | 602458   | Idler arm weldmt .....             | 1           | 70       | 804758   | Nut, 5/16-24 jam.....             | 2           |
| 27       | 603044   | Bushing, idler pivot .....         | 1           | 71       | 805256   | Washer, 1/4.....                  | 2           |
| 28       | 603402   | Spring, extension.....             | 1           | 72       | 601000   | Hitch Kit, sulky.....             | 1           |
| 29       | 513034   | Bearing, pivot.....                | 2           | 73       | 800274   | Screw, 5/16-18 x 1-1/4 .....      | 2           |
| 30       | 811006   | Zerk, grease 1/4-20 .....          | 3           | 74       | 805005   | Washer, lock 5/16 heavy.....      | 4           |
| 31       | 633102   | Bearing, flanged .....             | 2           | 75V      | 809056   | Screw, 3/8 x 3/8 sckt hd shld ... | 2           |
| 32       | 613206   | Rod, control arm .....             | 2           | 76       | 805259   | Washer, 3/8 SAE flat.....         | 3           |
| 33       | 323245   | Spring .....                       | 1           | 77       | 803045   | Screw, whizlock 3/8-16 x3/4....   | 8           |
| 34       | 603676   | Swivel .....                       | 2           | 78       | 413227   | Swivel, drive lever .....         | 2           |
| 35       | 413151   | Knob, tracking.....                | 1           | 79       | 808520   | Klipring .....                    | 2           |
| 36       | 612165   | Support, tank/handle .....         | 1           | 80V      | 803022   | Setscrew, 5/16-18 x 5/8 .....     | 2           |
| 37       | 612289   | Arm, control LH.....               | 1           | 81       | 806753   | Cotter pin.....                   | 2           |
| 38       | 612290   | Arm, control RH (not shown) ..     | 1           | 82       | 303335   | Plastic tie (large).....          | 1           |
| 39•      | 613271   | Belt, hydro trans drive ("A" Belt) | 1           | 83       | 613306   | Shield, drag .....                | 1           |
| 40       | 603693   | Spring, extension.....             | 2           | 84       | 805258   | Washer, flat 5/16 std .....       | 3           |

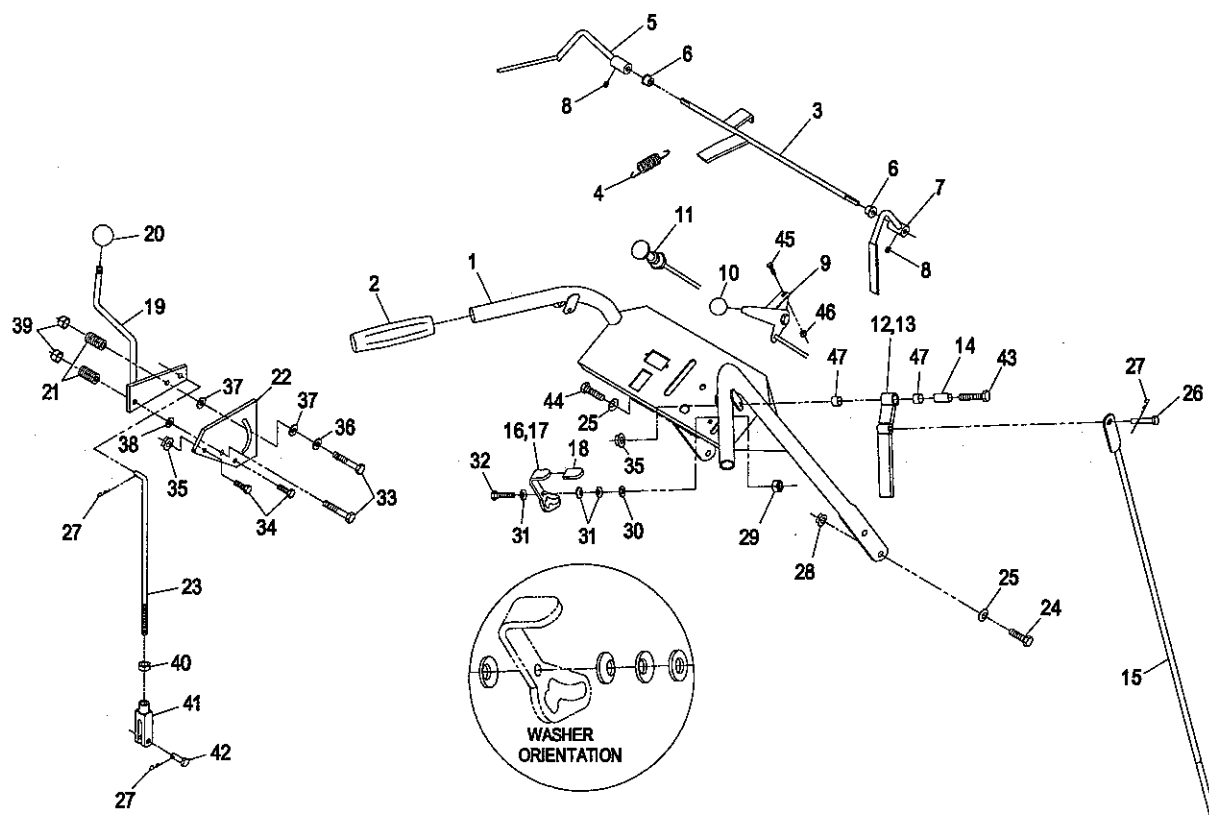
\* Use Teflon Pipe Sealant or equivalent on threads.

• Install sheave with long end of hub up.

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Exmark red touch up spray paint - P/N 850337

## HANDLE AND CONTROLS



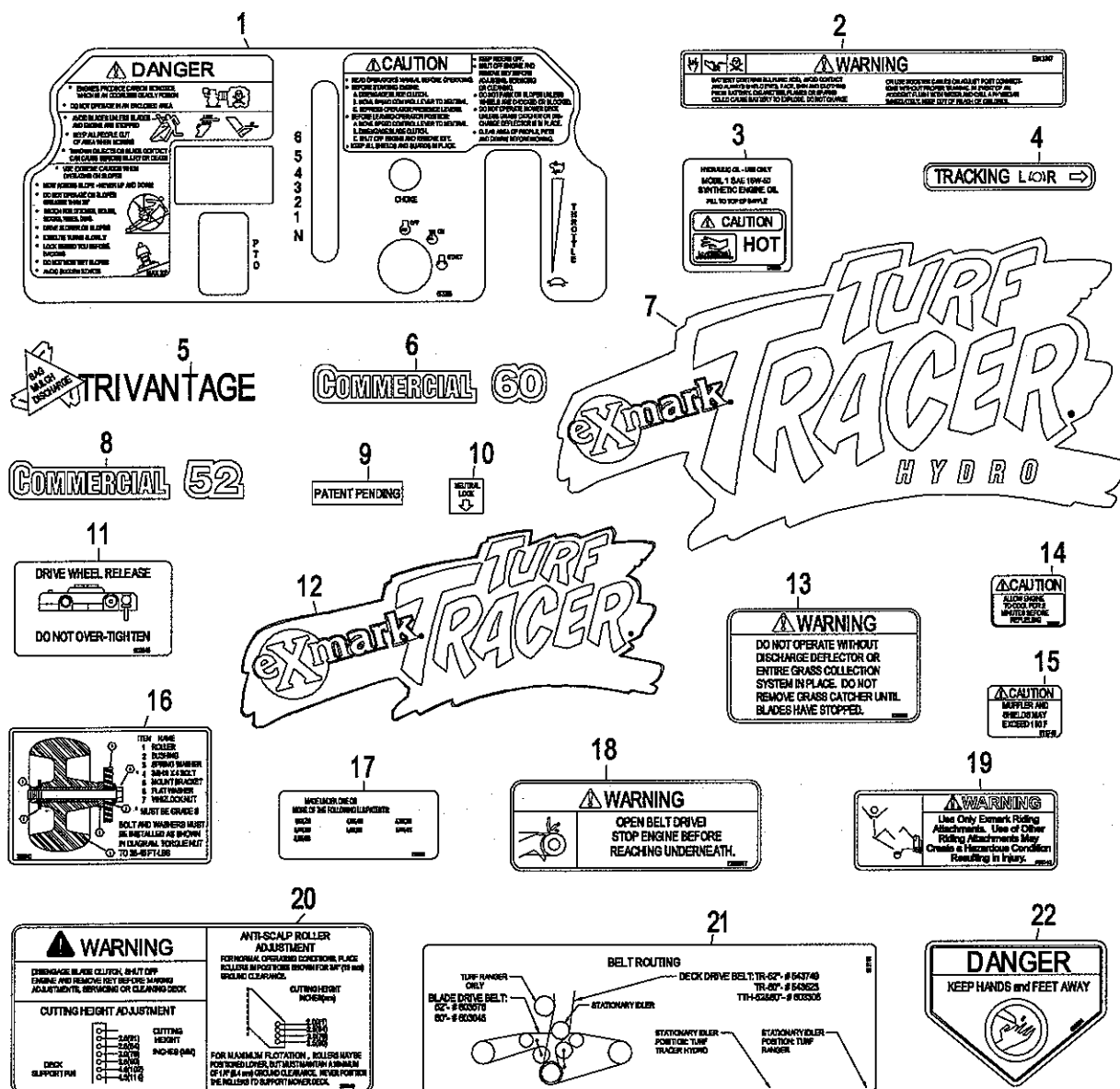
| Ref. No. | Part No. | Description                      | Qty. Req'd. | Ref. No. | Part No. | Description                  | Qty. Req'd. |
|----------|----------|----------------------------------|-------------|----------|----------|------------------------------|-------------|
| 1        | 612294   | Handle wldmnt, hydro .....       | 1           | 24       | 800292   | Screw, 3/8-16 x 1 .....      | 3           |
| 2        | 303097   | Grip, handle .....               | 2           | 25       | 303327   | Washer, spring disk .....    | 4           |
| 3        | 612187   | Rod wldmnt, OPC .....            | 1           | 26       | 613055   | Pin, clevis .....            | 2           |
| 4        | 303363   | Spring .....                     | 1           | 27       | 806003   | Hairpin cotter .....         | 4           |
| 5V       | 412183   | Lever wldmnt, OPC Lh.....        | 1           | 28       | 809007   | Nut, whizlock 3/8-16 .....   | 4           |
| 6        | 303365   | Bushing, nylon .....             | 2           | 29       | 804255   | Nut, nylock 1/4-20 .....     | 2           |
| 7V       | 412185   | Lever weldmt, OPC Rh.....        | 1           | 30       | 805256   | Washer, 1/4 std flat .....   | 2           |
| 80       | 803322   | Setscrew .....                   | 2           | 31       | 303435   | Washer, 1/4 disc spring..... | 6           |
| 9        | 633696   | Throttle control (19hp Kaw) .... | 1           | 32       | 800257   | Screw, 1/4-20 x 1-3/4 .....  | 2           |
|          | 613247   | Throttle control (Koh) .....     | 1           | 33       | 800277   | Screw, 5/16-18 x 2 .....     | 2           |
| 10       | 513592   | Knob, red ball.....              | 1           | 34       | 800251   | Screw, 1/4-20 x 5/8 .....    | 2           |
| 11       | 603336   | Choke control push/pull .....    | 1           | 35       | 809012   | Nut, whizlock 1/4-20 .....   | 4           |
| 12       | 412161   | Drive lever RH (shown).....      | 1           | 36       | 603716   | Washer, friction .....       | 1           |
| 13       | 412159   | Drive lever LH (not shown) ....  | 1           | 37       | 323244   | Washer, friction .....       | 2           |
| 14       | 603749   | Bushing, drive lever .....       | 2           | 38       | 805257   | Washer, 5/16 flat .....      | 1           |
| 15       | 613189   | Rod, drive lever.....            | 2           | 39       | 804256   | Nut, nylock 5/16-18 .....    | 2           |
| 16       | 612168   | Latch,thumb RH w/grip (shown) 1  |             | 40       | 804758   | Nut, jam 5/16 .....          | 1           |
| 17       | 612167   | Latch, thumb LH w/grip.....      | 1           | 41       | 303105   | Yoke, adjustable.....        | 1           |
| 18       | 303019   | Grip, vinyl latch .....          | 2           | 42       | 808280   | Pin, clevis .....            | 1           |
| 19       | 602733   | Lever, shifter .....             | 1           | 43       | 800256   | Screw, 1/4-20 x 1-1/2 .....  | 2           |
| 200      | 603175   | Knob, 1-3/8 .....                | 1           | 44       | 800293   | Screw, 3/8-16 x 1-1/4 .....  | 1           |
| 21       | 323245   | Spring, compression.....         | 2           | 45       | 807513   | Screw, 10-24 x 1/2 .....     | 2           |
| 22       | 603730   | Plate, shifter lever .....       | 1           | 46       | 804252   | Nut, nylock 10-24 .....      | 2           |
| 23       | 603700   | Rod, speed control.....          | 1           | 47       | 413152   | Bearing, sleeve .....        | 4           |

◇ Use Pro-Lock Nut Type (P/N 840022 .5 ml. Tube) on setscrews and on shifter knob threads

▽ Use Pro-Lock Retaining 1 (P/N 840023 .5cc Tube) on inside bore of OPC Hub

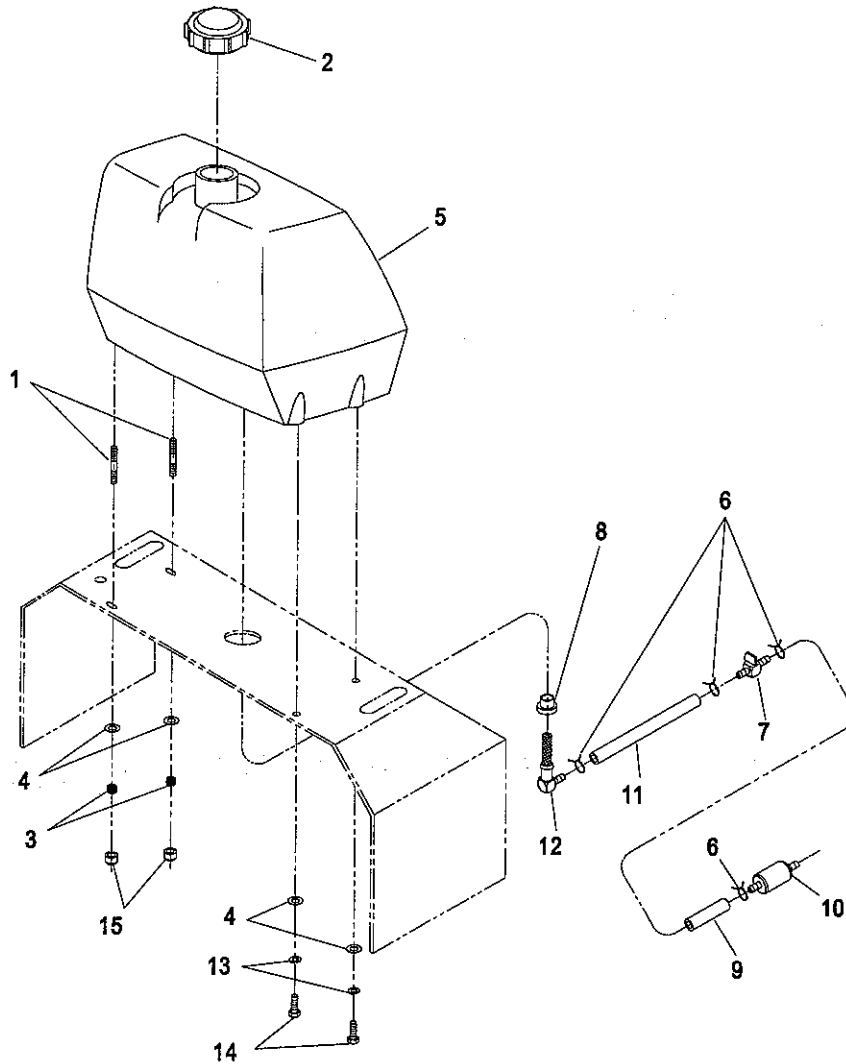
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# DECALS



| Ref. No. | Part No. | Description                    | Qty. Req'd. | Ref. No. | Part No. | Description                    | Qty. Req'd. |
|----------|----------|--------------------------------|-------------|----------|----------|--------------------------------|-------------|
| 1        | 613295   | Decal, Console .....           | 1           | 13       | 303508   | Decal, Discharge Warning ..... | 1           |
| 2        | 513747   | Decal, Battery .....           | 1           | 14       | 303293   | Decal, 2 Minute Cool .....     | 1           |
| 3        | 523552   | Decal, Hydraulic Tank .....    | 1           | 15       | 513746   | Decal, Muffler .....           | 1           |
| 4        | 413214   | Decal, Tracking. ....          | 1           | 16       | 323540   | Decal, Roller Mounting .....   | 1           |
| 5        | 303520   | Decal, Tri-vantage .....       | 1           | 17       | 643289   | Decal, Patent No. ....         | 1           |
| 6        | 613050   | Decal, Commercial 60 .....     | 1           | 18       | 303517   | Decal, Belt Drive .....        | 1           |
| 7        | 613044   | Decal, "Swash" (large) TTH ... | 1           | 19       | 403143   | Decal, Sulky Warning .....     | 1           |
| 8        | 403132   | Decal, Commercial 52 .....     | 1           | 20       | 553049   | Decal, Mower Deck .....        | 1           |
| 9        | 373066   | Decal, Patent Pending .....    | 2           | 21       | 613100   | Decal, Belt Route .....        | 1           |
| 10       | 303102   | Decal, Neutral Lock .....      | 2           | 22       | 403005   | Danger Label .....             | 2           |
| 11       | 603845   | Decal, Drive Wheel Release ..  | 1           |          | 611117   | Kit, Decal Complete            |             |
| 12       | 613049   | Decal, "Swash" (small) TTH ... | 1           |          |          |                                |             |

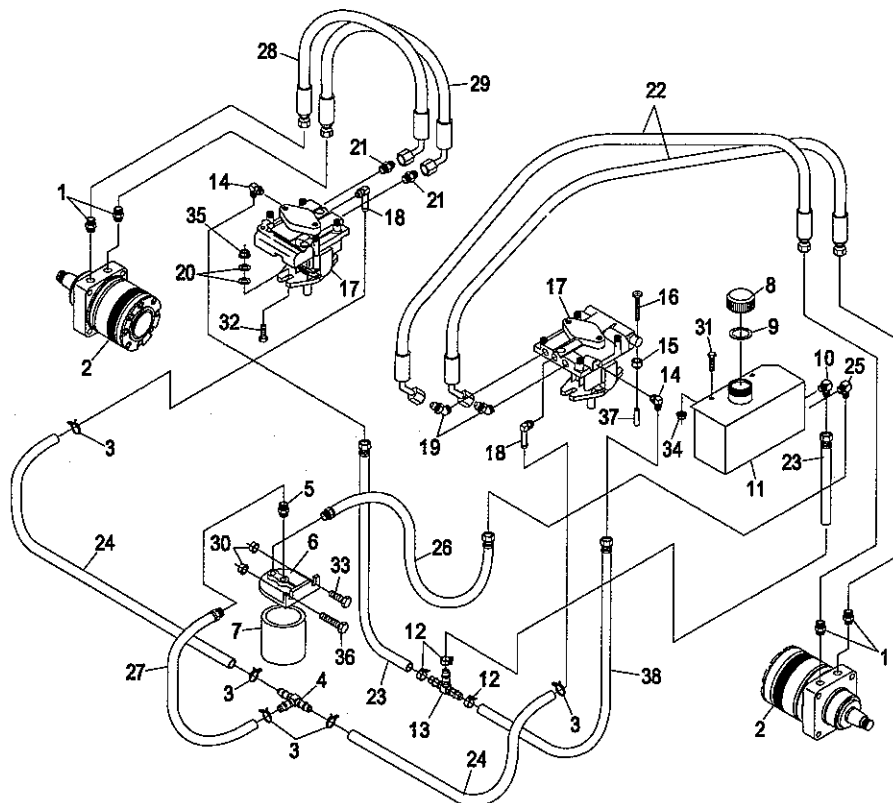
## FUEL GROUP



| Ref. No. | Part No. | Description                 | Qty. Req'd. | Ref. No. | Part No.                                  | Description                | Qty. Req'd. |
|----------|----------|-----------------------------|-------------|----------|-------------------------------------------|----------------------------|-------------|
| 1•       | 633023   | Stud, fuel tank.....        | 2           | 10       | Kohler Part No. 2405002 fuel filter ..... | 1                          |             |
| 2        | 513508   | Cap, gas .....              | 1           |          | Kawasaki Part No. 49019-2075 fuel filter  | 1                          |             |
| 3        | 633349   | Spring, fuel tank.....      | 2           | 11       | 543649                                    | Hose, fuel 7.0 (Kaw).....  | 1           |
| 4        | 805257   | Washer, flat 5/16 std ..... | 4           |          | 303022                                    | Hose, fuel 8.5 (Koh) ..... | 1           |
| 5        | 413179   | Gas tank .....              | 1           | 12       | 543277                                    | Elbow, fuel tank .....     | 1           |
| 6        | 303077   | Clamp, fuel line.....       | 4           | 13       | 805005                                    | Washer, 5/16 lock .....    | 2           |
| 7        | 603770   | Valve, fuel .....           | 1           | 14       | 800271                                    | Screw, 5/16-18 x 3/4 ..... | 2           |
| 8        | 513645   | Bushing, fuel.....          | 1           | 15       | 804267                                    | Nut, nylock 5/16-18 .....  | 2           |
| 9        | 603776   | Hose, fuel 2.5 (Koh).....   | 1           |          |                                           |                            |             |
|          | 303022   | Hose, fuel 8.5 (Kaw) .....  | 1           |          |                                           |                            |             |

• Use Prolock, Retaining type (P/N 840023) .5cc tube on studs going into tank

# HYDRAULICS GROUP



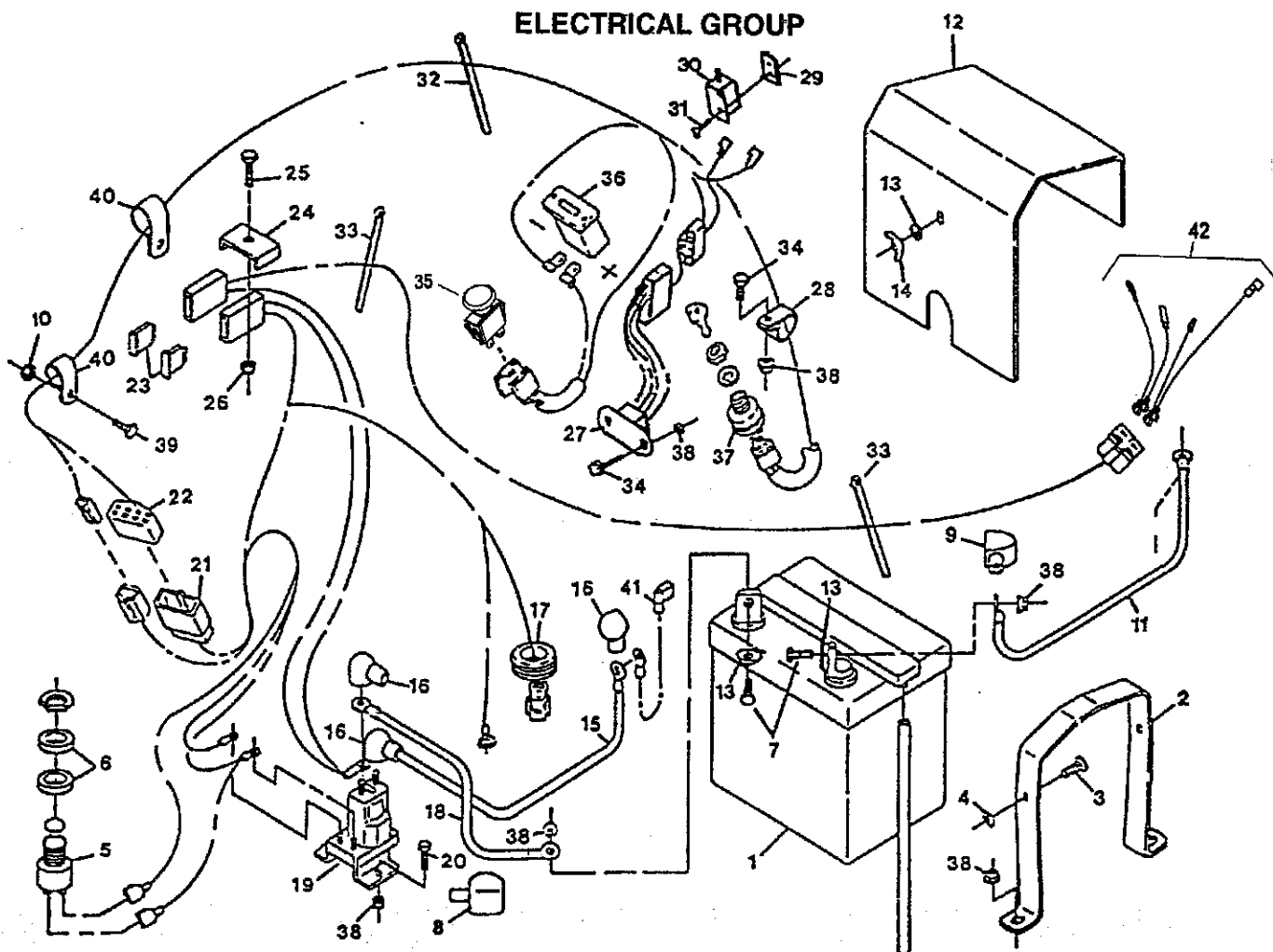
| Ref. No. | Part No. | Description                           | Qty. Req'd. | Ref. No. | Part No. | Description                    | Qty. Req'd. |
|----------|----------|---------------------------------------|-------------|----------|----------|--------------------------------|-------------|
| 1        | 603991   | Fitting, straight connector .....     | 4           | 18       | 603989   | Elbow, 90° .....               | 2           |
|          | 603919   | Boss O-Ring .....                     | 1           |          | 603923   | O-Ring .....                   | 1           |
|          | 603992   | Flare O-Ring .....                    | 1           | 19       | 523221   | Elbow, 45° .....               | 2           |
| 2        | 603718   | Motor, wheel .....                    | 2           |          | 603992   | Flare O-Ring .....             | 1           |
|          | 000119   | Kit, seal .....                       | 1           |          | 603920   | Boss O-Ring .....              | 1           |
|          | 000138   | Kit, bearing .....                    | 1           | 20       | 805258   | Washer, 5/16 std .....         | 8           |
| 3        | 603827   | Clamp, hose 5/8" .....                | 5           | 21       | 603990   | Adapter, straight thread ..... | 2           |
| 4        | 603721   | Fitting, hose tee (3/8 hose) .....    | 1           |          | 603920   | Boss O-Ring .....              | 1           |
| 5        | 513510   | Connector, male .....                 | 1           |          | 603992   | Flare O-Ring .....             | 1           |
| 6*       | 603720   | Head, filter .....                    | 1           | 22       | 603981   | Hose, hydro (RH) .....         | 2           |
| 7        | 513211   | Element, oil filter .....             | 1           | 23       | 602750   | Hose assy, case drain .....    | 2           |
| Δ        | 523541   | Element, oil filter(winter) .....     | 1           | 24       | 603986   | Hose assy, charge pump .....   | 2           |
| 8        | 513167   | Cap, hydraulic reservoir .....        | 1           | 25       | 603988   | Elbow, 90° .....               | 1           |
| 9        | 523103   | Gasket, hydr. tank cap .....          | 1           | 26       | 602985   | Hose assy, supply .....        | 1           |
| 10       | 603987   | Elbow, 90° .....                      | 1           | 27       | 602754   | Hose assy, charge line .....   | 1           |
| 11*      | 512166   | Reservoir, hydraulic fluid .....      | 1           | 28       | 613034   | Hose, hydro (LH) .....         | 1           |
| 12       | 603826   | Clamp, hose 1/2" .....                | 3           | 29       | 323241   | Hose, hydro (LH) .....         | 1           |
| 13       | 603722   | Fitting, hose tee(1/4 I.D hose) ..... | 1           | 30       | 809001   | Nut, whizlock 5/16-18 .....    | 2           |
| 14       | 513840   | Elbow, 90° .....                      | 2           | 31       | 800252   | Screw, 1/4-20 x 3/4 .....      | 2           |
|          | 603921   | O-Ring .....                          | 1           | 32       | 800293   | Screw, 3/8-16 x 1-1/4 .....    | 4           |
| 15       | 804255   | Nut, nylock 1/4-20 .....              | 2           | 33       | 800271   | Screw, 5/16-18 x 3/4 .....     | 1           |
| 16       | 801063   | Screw, 1/4-20 x 2 pan hd .....        | 2           | 34       | 809012   | Nut, whizlock 1/4-20 .....     | 2           |
| 17       | 613042   | Pump, hydro .....                     | 2           | 35       | 809007   | Nut, whizlock 3/8-16 .....     | 4           |
|          | 2513018  | Kit, overhaul seal .....              | 1           | 36       | 800273   | Screw, 5/16-18 x 1 .....       | 1           |
|          |          |                                       |             | 37       | 613073   | Grip, Dump Valve .....         | 2           |
|          |          |                                       |             | 38       | 632285   | Hose assy .....                | 1           |

\* Use Teflon Pipe Sealant or equivalent on hydraulic reservoir fittings and filter head fittings.

Δ Use only for operation below 32°F(0°C)

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# ELECTRICAL GROUP

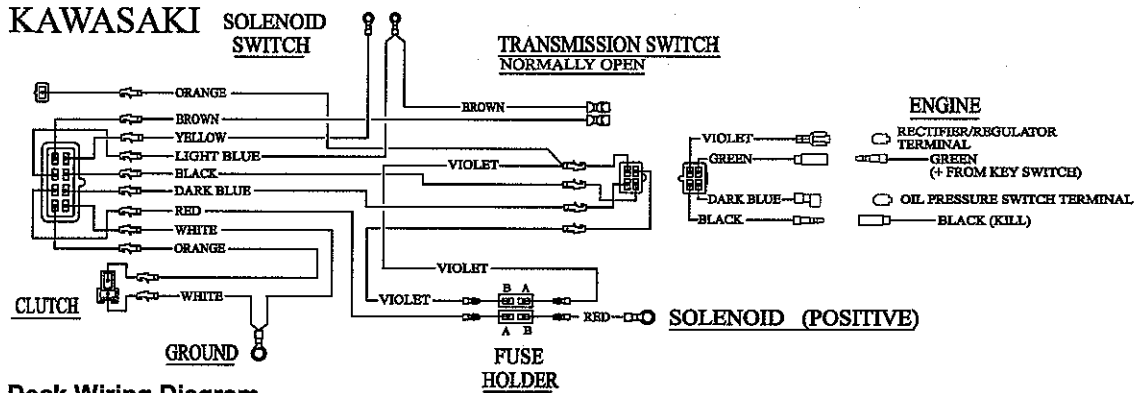
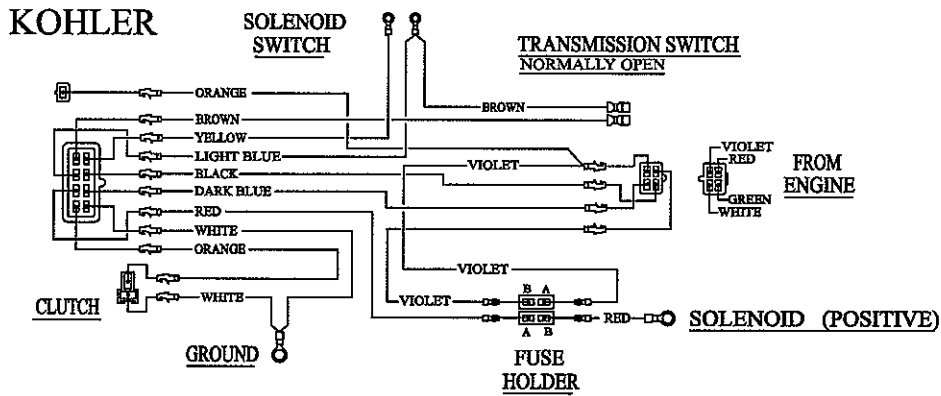


| Ref. No. | Part No. | Description                       | Qty. Req'd. | Ref. No. | Part No. | Description                         | Qty. Req'd. |
|----------|----------|-----------------------------------|-------------|----------|----------|-------------------------------------|-------------|
| 1        | 603479   | Battery, 12V manifold.....        | 1           | 23       | 816001   | Fuse, blade 20 amp.....             | 2           |
| 2        | 603814   | Strap, battery holddown .....     | 1           | 24       | 603434   | Clip, fuse block .....              | 1           |
| 3        | 807512   | Bolt, carriage 1/4-20 x 3/4.....  | 2           | 25       | 800256   | Screw, 1/4-20 x 1-1/2 .....         | 1           |
| 4        | 803037   | Nut, retaining 1/4-20 .....       | 2           | 26       | 804255   | Nut, nylock 1/4-20.....             | 1           |
| 5        | 603760   | Switch, push button.....          | 1           | 27       | 613198   | Module, Safety Interlock .....      | 1           |
| 6        | 303164   | Spacer.....                       | 2           | 28       | 513762   | Clip, 1/2" Loom .....               | 1           |
| 7        | 800252   | Screw, 1/4-20 x 3/4 .....         | 2           | 29       | 633181   | Plate, tapped.....                  | 1           |
| 8        | 543391   | Insulator, Battery +.....         | 1           | 30       | 513051   | Switch .....                        | 1           |
| 9        | 543390   | Insulator, Battery -.....         | 1           | 31       | 803028   | Screw, #10-24x5/8.....              | 2           |
| 10       | 809007   | Nut, whizlock 3/8-16.....         | 1           | 32       | 303335   | Plastic tie, (large).....           | 1           |
| 11       | 543767   | Wire, ground .....                | 1           | 33       | 303287   | Plastic tie .....                   | 2           |
| 12       | 603105   | Cover, battery debris.....        | 1           | 34       | 800251   | Screw, 1/4-20 x 5/8.....            | 3           |
| 13       | 805256   | Washer, 1/4 Flat .....            | 3           | 35       | 633673   | Switch, delta .....                 | 1           |
| 14       | 803038   | Wingnut, 1/4-20 .....             | 2           | 36       | 513374   | Meter, engine hour .....            | 1           |
| 15       | 603488   | Wire, battery to starter (+)..... | 1           | 37       | 543070   | Switch, ignition.....               | 1           |
| 16       | 543393   | Insulator, solenoid.....          | 3           |          | 603511   | Keys, ignition .....                | 1           |
| 17       | 543286   | Grommet.....                      | 1           | 38       | 809012   | Nut, whizlock 1/4-20 .....          | 9           |
| 18       | 513053   | Wire, battery to solenoid (+).... | 1           | 39       | 800292   | Screw, 3/8-16 x 1 .....             | 1           |
| 19       | 513075   | Switch, 12V solenoid.....         | 1           | 40       | 603727   | Clip, 9/16" loom .....              | 2           |
| 20       | 800250   | Screw, 1/4-20 x 1/2 .....         | 2           | 41       | 543084   | Wire, starter solenoid (Koh only) 1 |             |
| 21       | 613010   | Harness, engine deck .....        | 1           | 42       | 613262   | Harness, wire (19 hp Kaw only) 1    |             |
| 22       | 613296   | Harness, wire console .....       | 1           |          |          |                                     |             |

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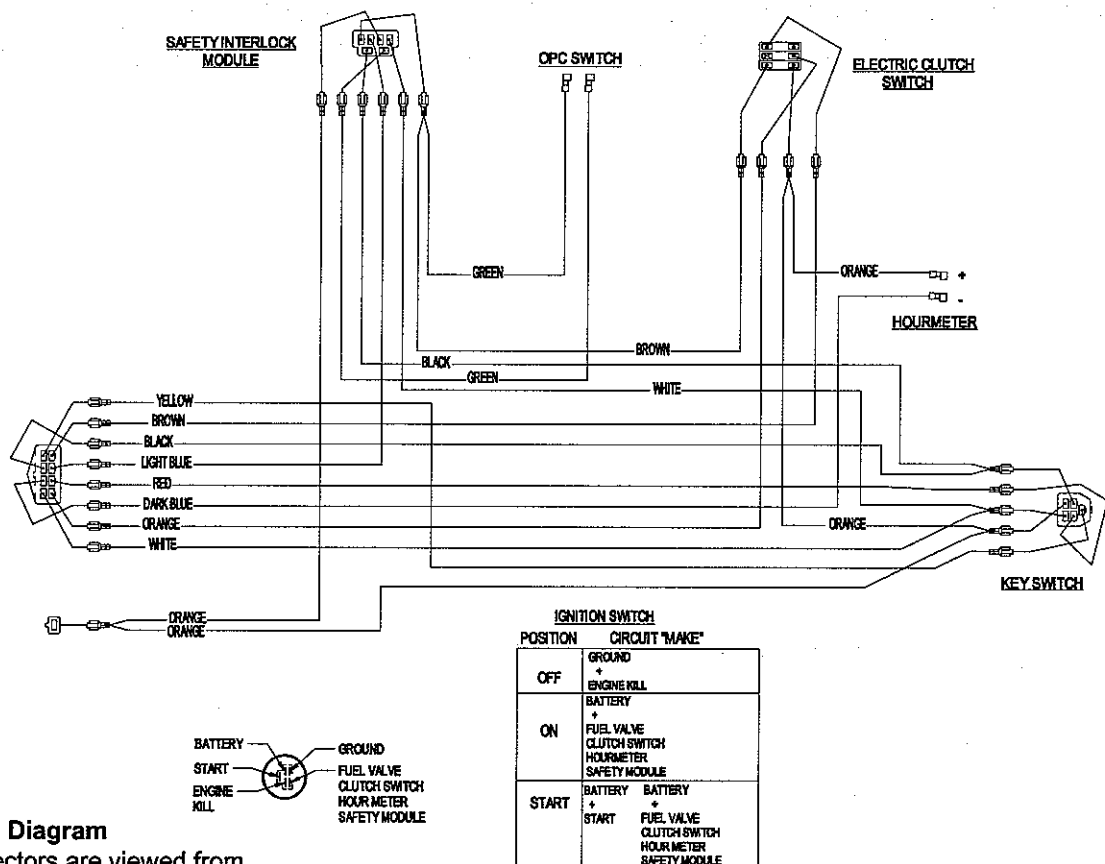
Apply dielectric grease to all electrical connectors

## ELECTRICAL DIAGRAMS



### Engine Deck Wiring Diagram

**NOTE:** All connectors are viewed from the *wire input* side of the connector.



### Console Wiring Diagram

**NOTE:** All connectors are viewed from the *wire input* side of the connector.

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