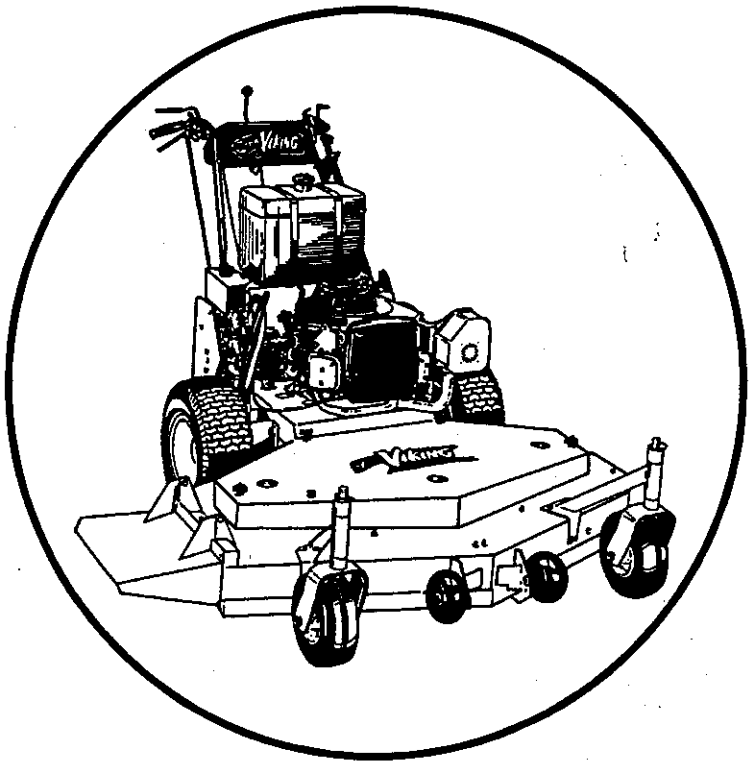
Exmark MFG. CO. INC.

**For Serial Nos. 130,000 and Higher**

# VIKING HYDRO



## Parts Manual

**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 top front engine frame on the right hand side of the machine.

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

**Model No.** _____

**Serial No.** _____

**Date Purchased** _____

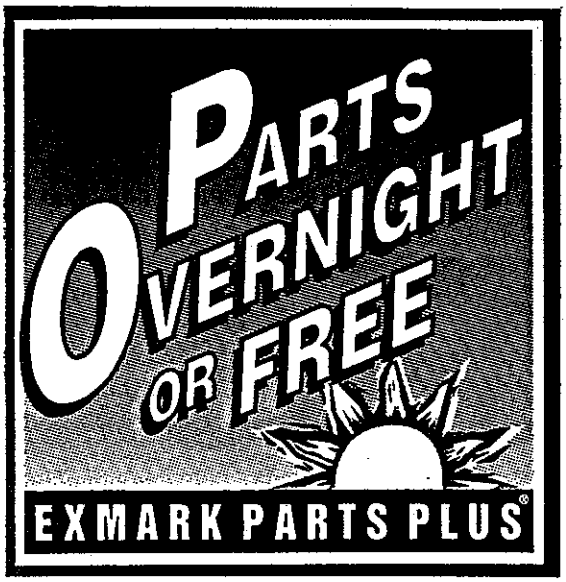
**Purchased From** _____

**Paste Label From Literature Packet Here**

**Part No. 850436**

# 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 arrive 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. 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.

# ⚠ WARNING

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

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# 36" MOWER DECK

| Ref. No. | Part No. | Description | Qty. Req'd. |
|---|---|---|---|
| 1 | 302227 | Front Deck w/decals & dogleg | 1 |
| | 302224 | Deck weldmt (36") | 1 |
| 2 | 302189 | Baffle wldmnt, dogleg | 1 |
| 3 | 800270 | 5/16-18 x 5/8 HHCS | 8 |
| 4 | 809001 | 5/16-18 Whizlock nut | 13 |
| 5 | 302128 | Arm weldmt | 1 |
| 6 | 303542 | O-Ring | 2 |
| 7 | 811006 | Zerk, 1/4-28 STRT | 1 |
| 8 | 323385 | Knob, belt cover | 4 |
| 9 | 809020 | Quick pin, 10" caster | 2 |
| 10 | 804256 | 5/16-18 Nylock hex nut | 11 |
| 11 | 800292 | 3/8-16 x 1 HH capscrew | 6 |
| 12 | 809007 | 3/8-16 whizlock nut | 8 |
| 13 | 805259 | 3/8 Flatwasher | 1 |
| 14 | 303327 | 3/8 Disc spring washer | 6 |
| 15 | 808280 | 5/16 x 1 Clevis pin | 1 |
| 16 | 303105 | Yoke | 1 |
| 17 | 806003 | Cotter hairpin | 1 |
| 18 | 808505 | E-Ring for .875 rd. | 1 |
| 19 | 803003 | 3/8-16 x 1 3/4 Whizlock bolt | 1 |
| 20 | 633482 | Blade, 18" High Lift (Std.) | 2 |
| • | 633484 | Blade, Mulching (36") | 2 |
| | 633485 | Blade, Low Lift (36") optional | 2 |
| 21 | 513338 | Washer, special | 2 |
| 22 | 805008 | 1/2 spring lockwasher | 2 |
| 23 | 804509 | 1/2-13 Hex nut | 2 |
| 24 | 800334 | 1/2-13 x 6 HH capscrew | 2 |
| 25 | 303352 | Washer, spindle | 1 |
| 26 | 513648 | Wheel & tire, complete | 2 |
| | 513807 | Wheel & hub | 1 |
| | 513808 | Tire, 9 x 3.50-4 4-ply | 1 |
| | 513809 | Roller bearing | 1 |
| | 513810 | Bushing | 2 |
| 27 | 323200 | Drive belt 36" Model | 1 |
| ♦28 | 803310 | Setscrew, 5/16-18 x 3/8 | 2 |
| 29 | 800273 | 5/16-18 x 1 HH capscrew | 10 |
| 30 | 513547 | Spacer, front caster | 2 |
| 31 | 303537 | Stud, belt shield (short) | 2 |
| 32 | 303536 | Stud, belt shield (long) | 2 |
| 33 | 302218 | Shield w/decals, 36" Vik hydro | 1 |
| | 302213 | Shield weldmt, 36" Vik hydro | 1 |

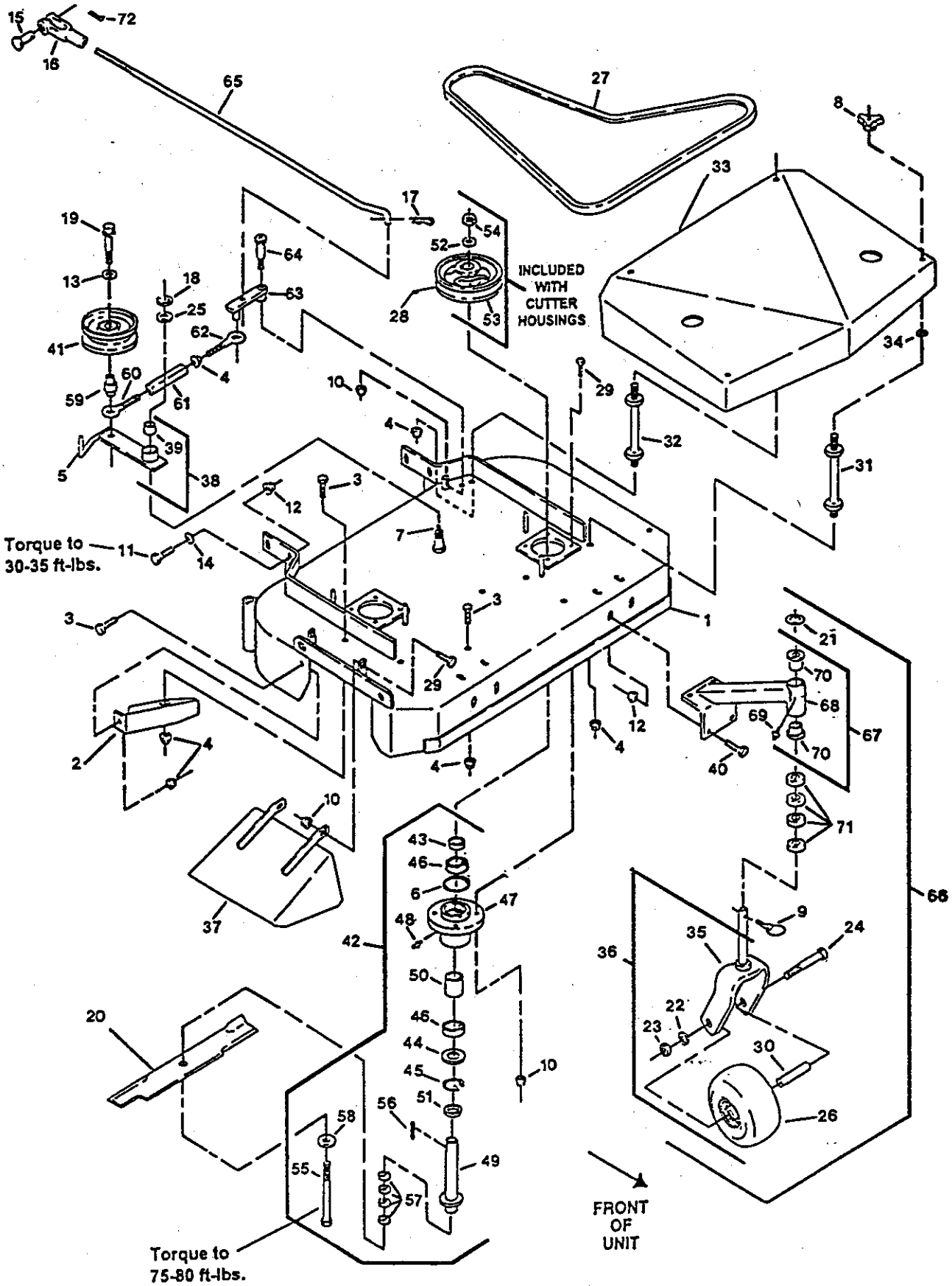
| Ref. No. | Part No. | Description | Qty. Req'd. |
|---|---|---|---|
| 34 | 323417 | Washer, belt cover mount | 4 |
| 35 | 322145 | Fork wldmnt, caster | 2 |
| 36 | 322154 | Caster wheel assembly | 2 |
| 37 | 302054 | Chute | 1 |
| 38 | 302129 | Engagement arm w/bushing | 1 |
| 39 | 303144 | Powder metal bearing | 1 |
| 40 | 800290 | 3/8-16 x 3/4 HH capscrew | 8 |
| 41 | 603843 | Idler pulley (heavy duty) | 1 |
| 42 | 322166 | Cutter housing w/sheave | 2 |
| 43 | 323402 | Spacer, bearing sheave | 2 |
| 44 | 323408 | Dust shield | 2 |
| 45 | 808506 | Retaining ring | 2 |
| 46 | 303543 | Cutter housing bearing | 4 |
| 47 | 323315 | Cutter housing | 2 |
| 48 | 811001 | 1/8 N.P.T. Straight zerk | 2 |
| 49 | 322164 | Cutter spindle wldmnt | 2 |
| 50 | 323400 | Spacer (long) | 2 |
| 51 | 323399 | Spacer (short) | 2 |
| 52 | 323339 | Washer, retaining | 2 |
| 53 | 303535 | Pulley, cast iron | 2 |
| 54 | 804510 | 5/8-18 UNF hex nut | 2 |
| 55 | 800861 | 5/8-18 x 8 HH Capscrw (Gr 5) | 2 |
| 56 | 807267 | Key, 1/4 x 3/16 x 1 1/4 | 2 |
| 57 | 303164 | Spacer, blade drive | 8 |
| 58 | 513208 | 5/8 Spring disc washer | 2 |
| 59 | 303434 | Engagement bushing | 1 |
| 60 | 303348 | Eye bolt (left hand thread) | 1 |
| 61 | 303236 | Turnbuckle body | 1 |
| 62 | 303238 | Eye bolt (right hand thread) | 1 |
| 63 | 302198 | Assist arm | 1 |
| 64 | 809011 | 3/8 x 3/4 Shoulder bolt | 1 |
| 65 | 323174 | Assist arm linkage | 1 |
| 66 | 322153 | Caster/mount, complete | 1 |
| 67 | 302203 | Caster wheel support w/bearings | 2 |
| 68 | 302194 | Caster wheel support wldmnt | 2 |
| 69 | 811001 | Grease zerk, 1/8 N.P.T. | 2 |
| 70 | 303514 | Flange, thrust bearing | 4 |
| 71 | 303314 | Spacer, 10" caster | 8 |
| 72 | 806753 | Pin, cotter 3/32 x 1/2 | 1 |

♦ Use Pro-lock Nut Type (p/n 840022 .5 ml tube) on setscrews

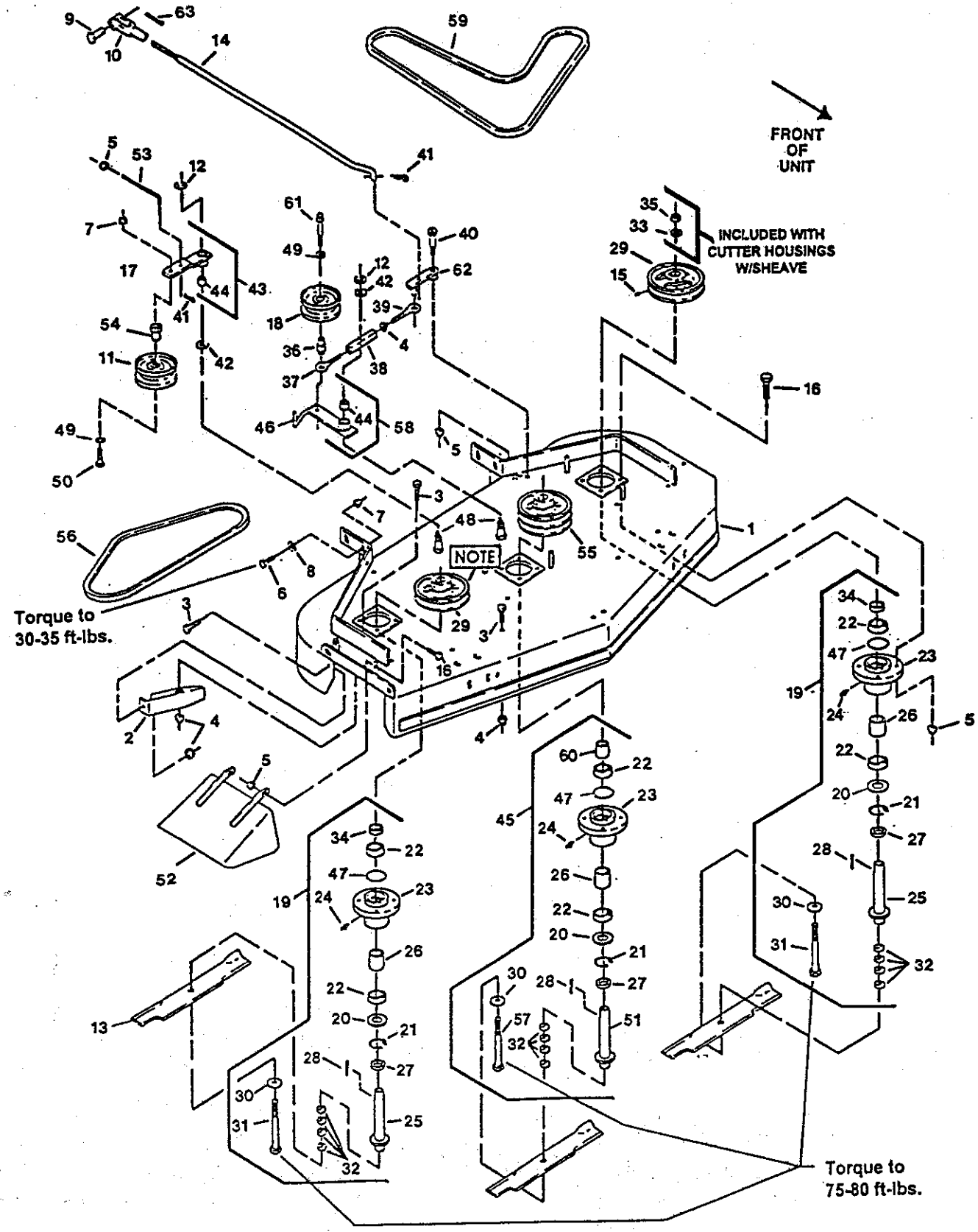
• Requires installation of Micro-Mulch accessory for proper mulching. Mulch kit P/N MK362(36")

Exmark red touch up spray paint - P/N 850337

# 36" MOWER DECK



# 48" MOWER DECK



# 48" MOWER DECK

| Ref. No. | Part No. | Description | Qty. Req'd. |
|---|---|---|---|
| 1* | 402096 | Front Deck w/decals & dogleg | 1 |
| * | 402091 | Deck Weldmt, (48") | 1 |
| 2 | 302189 | Baffle, dogleg | 1 |
| 3 | 800270 | 5/16-18 x 5/8 HH capscrew | 10 |
| 4 | 809001 | 5/16-18 Whizlock nut | 11 |
| 5 | 804256 | 5/16-18 Nylock hex nut | 16 |
| 6 | 800292 | 3/8-16 x 1 HH capscrew | 6 |
| 7 | 809007 | 3/8-16 whizlock nut | 7 |
| 8 | 303327 | 3/8 disc spring washer | 6 |
| 9 | 808280 | 5/16 x 1 Clevis pin | 1 |
| 10 | 303105 | Yoke | 1 |
| 11 | 403119 | Idler pulley "V" | 1 |
| 12 | 808505 | E-Ring for .875 rd. | 2 |
| 13 | 323515 | Blade, Ultra High Lift 16" (48") | 3 |
| • | 403148 | Blade, mulching (48") | 3 |
| | 403149 | Blade, Low Lift (48") optional | 3 |
| 14 | 323174 | Assist arm linkage | 1 |
| ♦15 | 803310 | Setscrew, 5/16-18 x 3/8 | 3 |
| 16 | 800273 | 5/16-18 x 1 HH capscrew | 14 |
| 17 | 402052 | Arm weldmt, RH | 1 |
| 18 | 603843 | Idler pulley | 2 |
| 19 | 322166 | Cutter Housing w/sheave (LH) | 2 |
| 20 | 323408 | Dust shield | 3 |
| 21 | 808506 | Retaining ring | 3 |
| 22 | 303543 | Cutter housing bearing | 6 |
| 23 | 323315 | Cutter housing | 3 |
| 24 | 811001 | 1/8 N.P.T. Straight zerk | 3 |
| 25 | 322164 | Cutter spindle wldmnt (LH) | 2 |
| 26 | 323400 | Spacer (long) | 3 |
| 27 | 323399 | Spacer (short) | 3 |
| 28 | 807267 | Key, 1/4 x 3/16 x 1 1/4 | 3 |
| 29 | 303535 | Pulley, cast iron | 2 |
| 30 | 513208 | 5/8 Spring disc washer | 3 |
| 31 | 800861 | 5/8 -18 x 8 HH Capscrew | 2 |
| 32 | 303164 | Spacer, blade drive | 12 |
| 33 | 323339 | Washer,retainer (sheave) | 3 |
| 34 | 323402 | Spacer, bearing (sheave) | 2 |
| 35 | 804510 | 5/8-18 UNF hex nut | 3 |
| 36 | 303434 | Engagement bushing | 1 |
| 37 | 303348 | Eye bolt (left hand thread) | 1 |
| 38 | 303236 | Turnbuckle body | 1 |
| 39 | 303238 | Eye bolt (right hand thread) | 1 |
| 40 | 809011 | 3/8 x 3/4 Shoulder bolt | 1 |
| 41 | 806003 | Cotter hairpin | 2 |
| 42 | 303352 | Washer, spindle | 2 |
| 43 | 402053 | Idler arm, complete(w/bushing) | 1 |
| 44 | 303144 | Powder metal bearing | 2 |
| 45 | 402077 | Cutter housing w/sheave(center) | 1 |
| 46 | 302128 | Arm weldmt | 1 |
| 47 | 303542 | O-Ring | 3 |
| 48 | 811006 | Zerk 1/4-28 STRT | 2 |
| 49 | 805259 | 3/8 Flatwasher | 3 |
| 50 | 800295 | 3/8-16 X 1 3/4 HH capscrew | 1 |
| 51 | 402075 | Cutter spindle wldmnt, center (long) | 1 |
| 52 | 302054 | Chute | 1 |
| 53 | 403107 | Belt tension rod | 1 |
| 54 | 603496 | Bushing, idler bearing | 1 |
| 55 | 403133 | Double pulley | 1 |
| 56 | 403025 | V-Belt, front deck | 1 |
| 57 | 800862 | 5/8-18 x 8 1/2 HH capscrew, Gr5 | 1 |
| 58 | 302129 | Engagement arm w/bushing | 1 |
| 59 | 303499 | Drive belt 48" | 1 |
| 60 | 323404 | Spacer, bearing (center sheave) | 1 |
| 61 | 803003 | 3/8-16 x 1 3/4 Whizlock bolt | 1 |
| 62 | 302198 | Assist arm | 1 |
| 63 | 806753 | Pin, cotter | 1 |

♦ Use Pro-lock Nut Type (p/n 840022 .5 ml tube) on setscrews

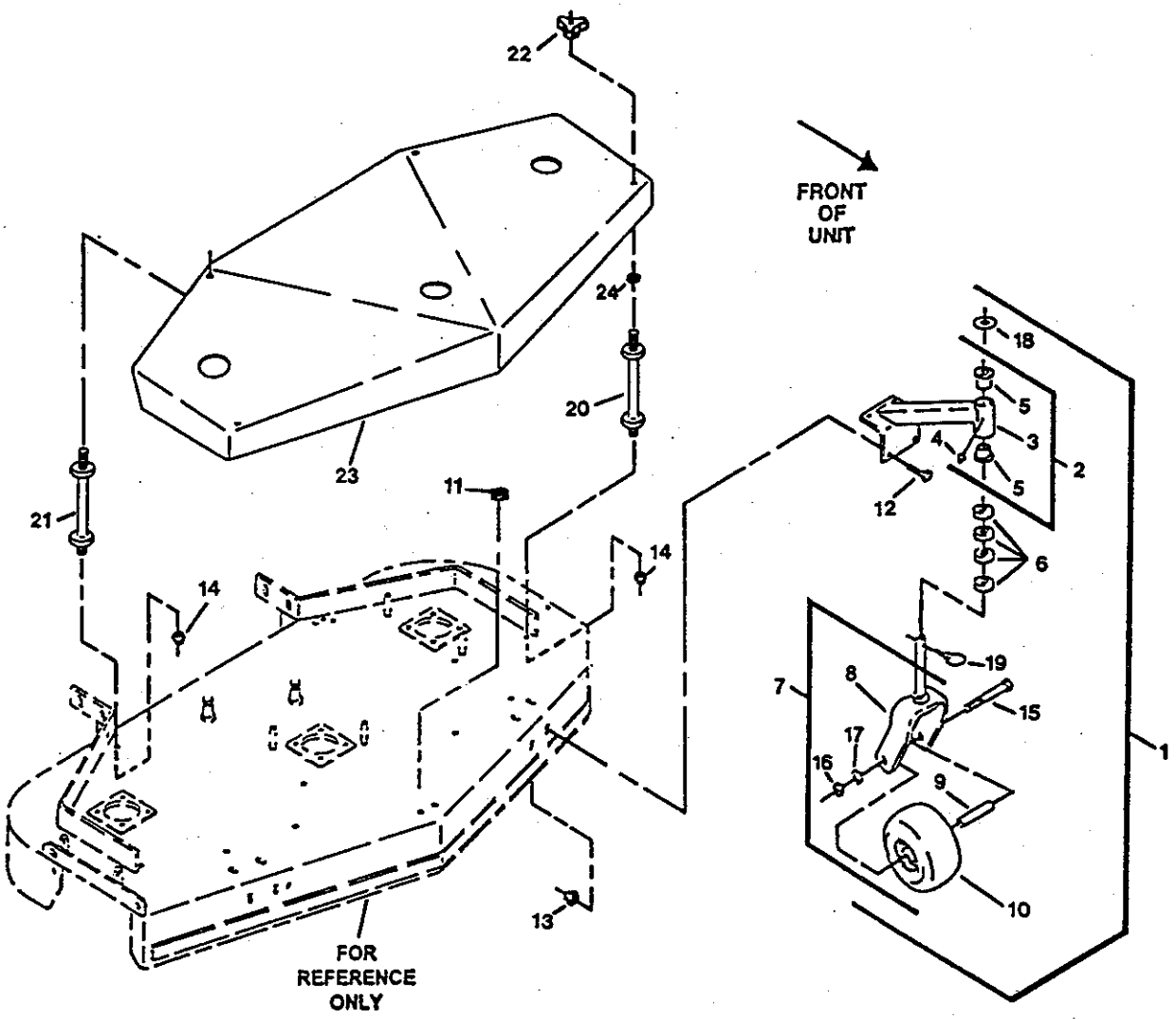
• Requires installation of Micro-Mulch accessory for proper mulching. Mulch kit P/N MK482

NOTE: Pulley (Part No. 303535) on the *right hand* side (from operators position) is turned upside down with the long side of the hub facing up

Exmark red touch up spray paint - P/N 850337

* Deck weldmt does not include flow control baffles - Flow control baffle kit is available P/N 401002

## 48" MOWER DECK (con't)

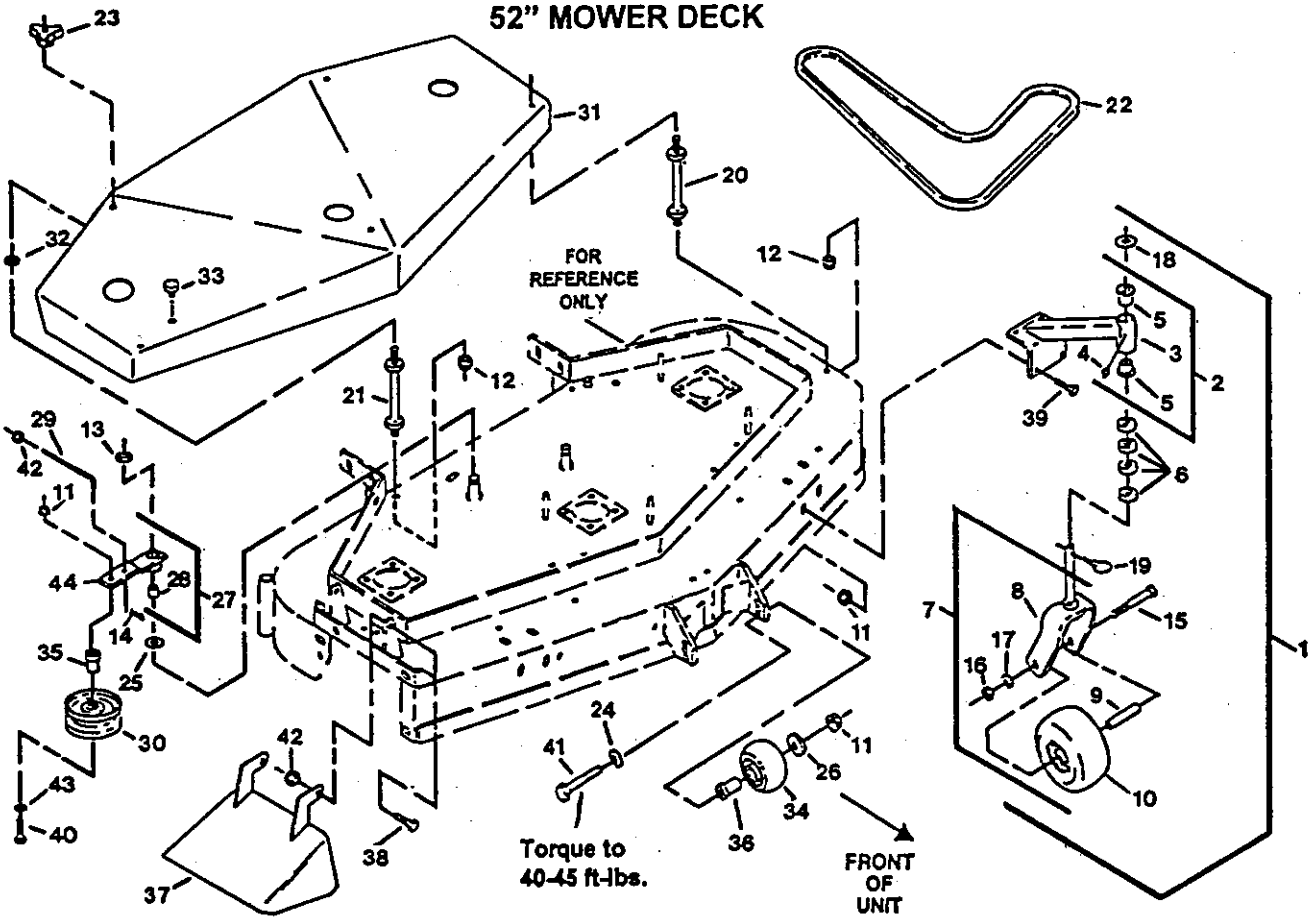



| Ref. No. | Part No. | Description | Qty. Req'd. |
|---|---|---|---|
| 1 | 322153 | Caster mount complete | 2 |
| 2 | 302203 | Support, caster wheel (w/bearings) | 2 |
| 3 | 302194 | Support, caster wheel wldmnt. | 2 |
| 4 | 811001 | Zerk, 1/8 N.P.T. | 2 |
| 5 | 303514 | Flange, thrust bearing | 4 |
| 6 | 303314 | Spacer, 10" caster | 8 |
| 7 | 322154 | Wheel assembly (caster) | 2 |
| 8 | 322145 | Fork wldmnt, caster | 2 |
| 9 | 513547 | Spacer, front caster | 2 |
| 10 | 513648 | Wheel & tire, complete | 2 |
| | 513807 | Wheel & hub | 2 |
| | 513808 | Tire, 9 x 3.50-4 4-ply | 2 |
| | 513809 | Roller bearing | 2 |
| | 513810 | Bushing | 4 |

| Ref. No. | Part No. | Description | Qty. Req'd. |
|---|---|---|---|
| 11 | 403145 | Rubber Bumper | 1 |
| 12 | 800290 | Screw, 3/8-16 x 3/4 | 8 |
| 13 | 809007 | Nut, 3/8-16 whizlock | 8 |
| 14 | 809001 | Nut, 5/16-18 whizlock | 4 |
| 15 | 800334 | Screw, 1/2-13 x 6 | 2 |
| 16 | 804509 | Nut, 1/2-13 hex | 2 |
| 17 | 805008 | Washer, ½ spring lock | 2 |
| 18 | 513338 | Washer, special | 2 |
| 19 | 809020 | Quick pin, 10" caster | 2 |
| 20 | 303537 | Stud, belt shield(short) | 2 |
| 21 | 303536 | Stud, belt shield(long) | 2 |
| 22 | 323385 | Knob, belt cover | 4 |
| 23 | 402072 | Shield w/decals 48" vik hydro. | 1 |
| | 402064 | Shield weldmt 48" vik hydro | 1 |
| 24 | 323417 | Washer, belt cover mount | 4 |

Exmark red touch up spray paint - P/N 850337

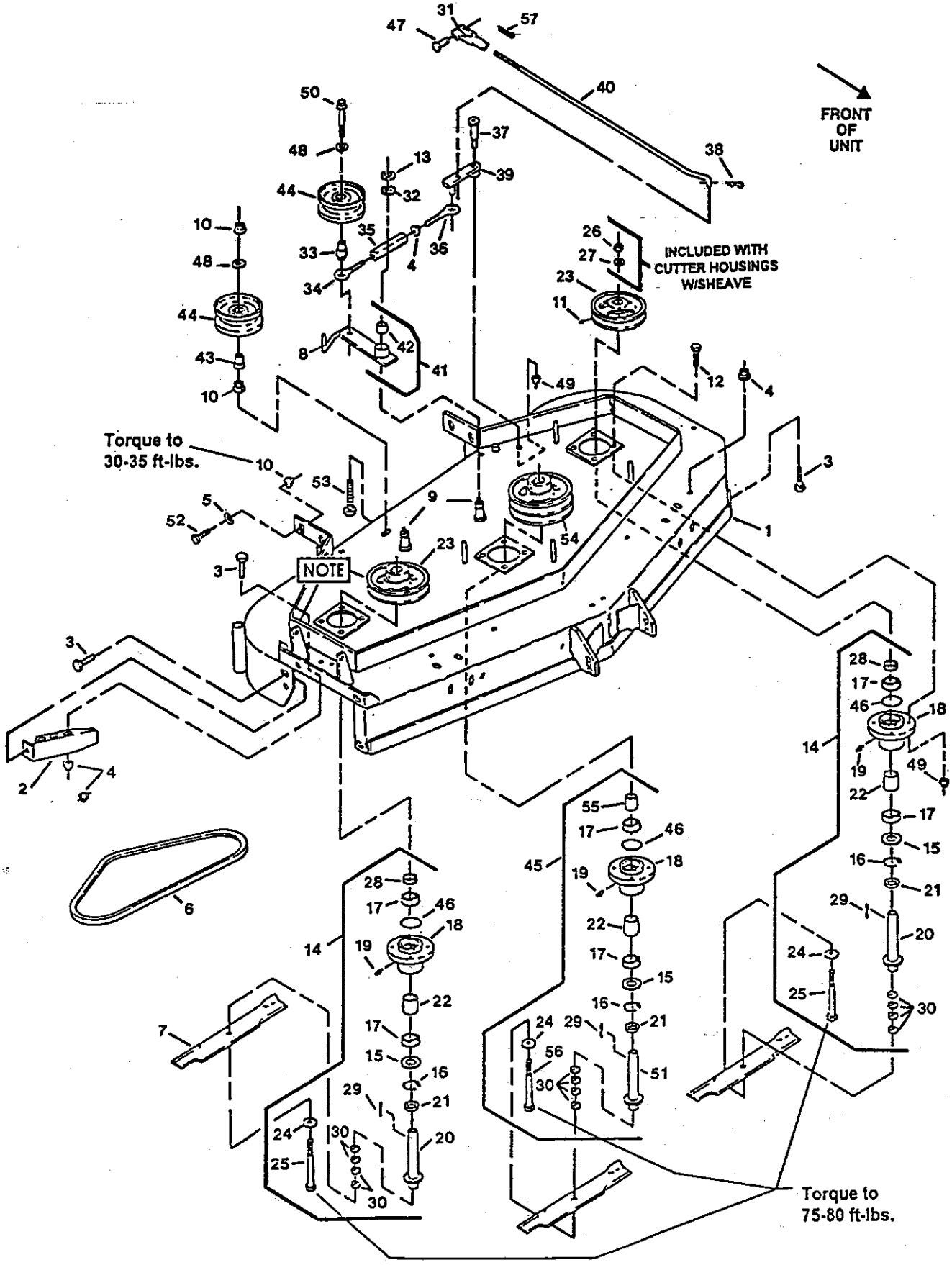
# 52" MOWER DECK




| Ref. No. | Part No. | Description | Qty. Req'd. |
|---|---|---|---|
| 1 | 322153 | Caster mount, complete | 2 |
| 2 | 302203 | Support, caster wheel (w/bearings) | 2 |
| 3 | 302194 | Support, caster wheel wldmnt. | 2 |
| 4 | 811001 | Zerk, 1/8 N.P.T. | 2 |
| 5 | 303514 | Flange, thrust bearing | 4 |
| 6 | 303314 | Spacer, 10" caster | 8 |
| 7 | 322154 | Wheel assembly (caster) | 2 |
| 8 | 322145 | Fork wldmnt, caster | 2 |
| 9 | 513547 | Spacer, front caster | 2 |
| 10 | 513648 | Wheel & tire, complete | 2 |
| | 513807 | Wheel & hub | 2 |
| | 513808 | Tire, 9 x 3.50-4 4-ply | 2 |
| | 513809 | Roller bearing | 2 |
| | 513810 | Bushing | 4 |
| 11 | 809007 | Nut, 3/8-16 whizlock | 11 |
| 12 | 809001 | Nut, 5/16-18 whizlock | 4 |
| 13 | 808505 | E-ring for .875 rod | 1 |
| 14 | 806003 | Cotter hairpin | 1 |
| 15 | 800334 | Screw, 1/2-13 x 6 | 2 |
| 16 | 804509 | Nut, 1/2-13 hex | 2 |
| 17 | 805008 | Washer, 1/2spring lock | 2 |
| 18 | 513338 | Washer, special | 2 |
| 19 | 809020 | Quick pin, 10" caster | 2 |
| 20 | 303537 | Stud, belt shield | 2 |
| 21 | 303536 | Stud, belt shield(long) | 3 |
| 22 | 403088 | Drive belt | 1 |
| 23 | 323385 | Knob, belt cover | 5 |
| 24 | 303327 | Washer, 3/8 disc spring | 2 |
| 25 | 303352 | Washer, spindle | 1 |
| 26 | 373034 | Washer, pivot | 2 |
| 27 | 402053 | Idler arm, complete(right) | 1 |
| 28 | 303144 | Bushing, powdered metal | 1 |
| 29 | 403107 | Belt tension rod | 1 |
| 30 | 403119 | Pulley, idler "v" | 1 |
| 31 | 402071 | Shield w/decals | 1 |
| | 402069 | Shield weldmt | 1 |
| 32 | 323417 | Washer, belt cover mount | 5 |
| 33 | 513291 | Bumper, rubber | 1 |
| 34 | 603299 | Roller, anti scalp | 2 |
| 35 | 603496 | Bushing, idler bearing | 1 |
| 36 | 603602 | Bushing, roller | 2 |
| 37 | 602571 | Chute | 1 |
| 38 | 800273 | Screw, 5/16-18 x 1 | 2 |
| 39 | 800290 | Screw, 3/8-16 x 3/4 | 8 |
| 40 | 800295 | Screw, 3/8-16 x 1-3/4 | 1 |
| 41 | 800807 | Screw, 3/8-16 x 4 Gr8 | 1 |
| 42 | 804256 | Nut, 5/16-18 Nylock | 3 |
| 43 | 805259 | Washer, 3/8 flat | 1 |
| 44 | 402052 | Arm weldmt | 1 |

Exmark red touch up spray paint - P/N 850337

# 52" MOWER DECK (con't)



## 52" MOWER DECK (con't.)

| Ref. No. | Part No. | Description | Qty. Req'd. |
|---|---|---|---|
| **1 | 402060 | Deck weldmt w/decals & dogleg | 1 |
| ** | 402079 | Deck weldmt | 1 |
| * | 402101 | Deck weldmt w/decals & dogleg | 1 |
| * | 402098 | Deck weldmt | 1 |
| 2 | 402057 | Baffle wldmnt, discharge | 1 |
| 3 | 800270 | 5/16-18 x 5/8 HHCS | 11 |
| 4 | 809001 | 5/16-18 Whizlock nut | 11 |
| 5 | 303327 | 3/8 Disc spring washer | 7 |
| 6 | 403105 | V-Belt, front deck | 1 |
| 7 | 633482 | Blade, High Lift 18" (52") | 3 |
| | 633485 | Blade, Low Lift | 3 |
| • | 633484 | Blade, mulching | 3 |
| 8 | 302128 | Arm weldmt | 1 |
| 9 | 811006 | Zerk, 1/4-28 STRT | 2 |
| 10 | 809007 | 3/8-16 Whizlock nut | 8 |
| ♦11 | 803310 | Setscrew, 5/16-18 x 3/8 | 3 |
| 12 | 800273 | 5/16-18 x 1 HH capscrew | 12 |
| 13 | 808505 | E-Ring for .875 rd. | 1 |
| 14 | 322166 | Cutter housing w/sheave (LH) | 2 |
| 15 | 323408 | Dust shield | 3 |
| 16 | 808506 | Retaining ring | 3 |
| 17 | 303543 | Cutter housing bearing | 6 |
| 18 | 323315 | Cutter housing | 3 |
| 19 | 811001 | 1/8 N.P.T. Straight zerk | 3 |
| 20 | 322164 | Cutter spindle wldmnt | 2 |
| 21 | 323399 | Spacer (short) | 3 |
| 22 | 323400 | Spacer (long) | 3 |
| 23 | 303535 | Pulley, cast iron | 2 |
| 24 | 513208 | 5/8 Spring disc washer | 3 |
| 25 | 800861 | 5/8-18 x 8 HH Capscrw (Gr 5) | 2 |
| 26 | 804510 | 5/8-18 UNF hex nut | 3 |
| 27 | 323339 | Washer, retainer (sheave) | 3 |
| 28 | 323402 | Spacer, bearing | 2 |
| 29 | 807267 | Key, 1/4 x 3/16 x 1 1/4 | 3 |
| 30 | 303164 | Spacer, blade drive | 12 |
| 31 | 303105 | Yoke | 1 |
| 32 | 303352 | Washer, spindle | 1 |
| 33 | 303434 | Engagement bushing | 1 |
| 34 | 303348 | Eye bolt (left hand thread) | 1 |
| 35 | 303236 | Turnbuckle body | 1 |
| 36 | 303238 | Eye bolt (right hand thread) | 1 |
| 37 | 809011 | 3/8 x 3/4 Shoulder bolt | 1 |
| 38 | 806003 | Cotter hairpin | 1 |
| 39 | 302198 | Assist arm.. | 1 |
| 40 | 403111 | Assist arm linkage | 1 |
| 41 | 302129 | Engagement arm w/bushing | 1 |
| 42 | 303144 | Bushing, powdered metal | 1 |
| 43 | 543879 | Bushing, idler | 1 |
| 44 | 603843 | Idler pulley (heavy duty) | 2 |
| 45 | 402077 | Cutter housing w/sheave (center) | 1 |
| 46 | 303542 | O-Ring | 3 |
| 47 | 808280 | 5/16 x 1 Clevis pin | 1 |
| 48 | 805259 | 3/8 Flatwasher | 3 |
| 49 | 804256 | 5/16-18 Nylock hex nut | 13 |
| 50 | 803003 | 3/8-16 x 1 3/4 Whizlock bolt | 1 |
| 51 | 402075 | Cutter spindle wldmnt (long) | 1 |
| 52 | 800292 | 3/8-16 x 1 HH capscrew | 6 |
| 53 | 800029 | 3/8-16 x 2 1/4 HH tap bolt | 1 |
| 54 | 403133 | Double pulley | 1 |
| 55 | 323404 | Spacer, bearing (center sheave) | 1 |
| 56 | 800862 | 5/8-18 x 8 1/2 HH capscrew, Gr5 | 1 |
| 57 | 806753 | Pin, cotter | 1 |

NOTE: Pulley (Part No. 303535) on the *right hand* side (from operators position) is turned upside down with the long part of the hub facing upward.

♦ Use Pro-lock Nut Type (p/n 840022 .5 ml tube) on setscrews

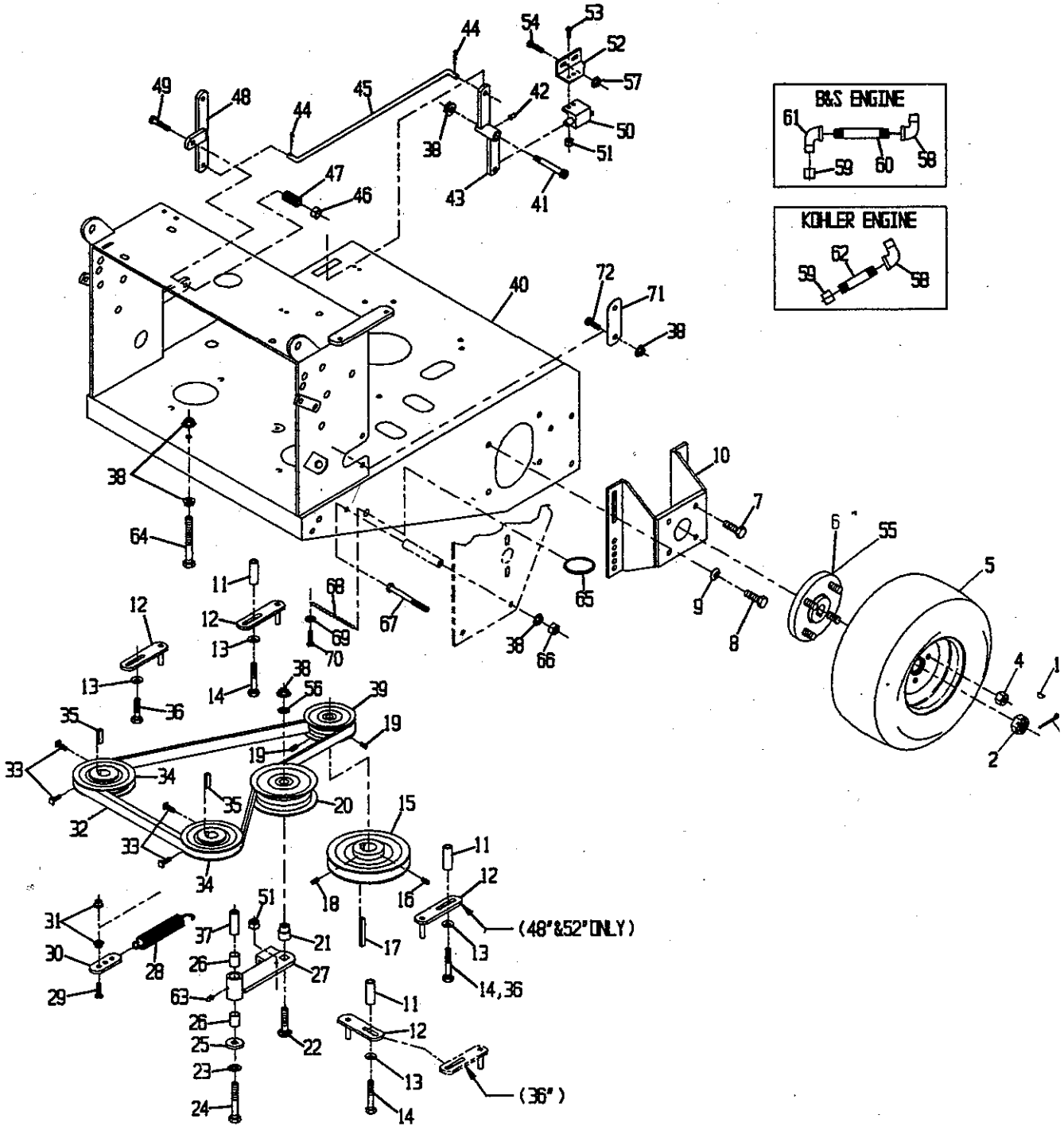
• Requires installation of Micro-Mulch accessory for proper mulching. Mulch kit P/N MK52M2 ( units without flow control baffles welded in deck) or MK523 ( units with flow control baffles welded in deck)

Exmark red touch up spray paint - P/N 850337

* Deck weldmt does include welded in flow control baffles

** Deck weldmt does not include flow control baffles - Flow control baffle kit is available P/N 611104

# ENGINE DECK GROUP



# ENGINE DECK GROUP

| Ref. No. | Part No. | Description | Qty. Req'd. |
|---|---|---|---|
| 1 | 807019 | Key, woodruff 1 x 1/4 | 2 |
| 2 | 803040 | Nut, slotted 3/4-16 | 2 |
| 3 | 806800 | Pin, cotter 9/64 x 1-1/2 | 2 |
| 4 | 513011 | Nut, wheel 1/2-20 | 8 |
| 5 | 603714 | Tire & Wheel Assembly | 2 |
| | 603427 | Tire 16 x 6.50-8 | 1 |
| | 603715 | Wheel | 1 |
| 6✳ | 602997 | Hub, tapered (4 bolt)w/studs | 2 |
| 7 | 803045 | Screw, whizloc 3/8-16 x 3/4 | 8 |
| 8 | 800292 | Screw, 3/8-16 x 1 | 8 |
| 9 | 303327 | Washer, 3/8 spring disc | 8 |
| 10 | 322162 | Mount, motor (36") | 2 |
| | 402062 | Mount, motor (48" & 52") | 2 |
| 11 | 323228 | Spacer, belt guide(48"&52") | 3 |
| | 323228 | Spacer, belt guide(36") | 2 |
| 12 | 322110 | Belt guide (36") | 3 |
| | 322110 | Belt guide (48"&52") | 4 |
| 13 | 303334 | Washer, 5/16 spring disc | 4 |
| 14 | 809065 | Screw, 1.25 x 75mm | |
| | ..... | (36" Kaw & Kohler) | 2 |
| | 809065 | Screw, 1.25 x 75mm | |
| | ..... | (48" & 52" Kaw & Kohler) | 3 |
| | 800283 | Screw, 5/16-18 x 3-1/2 | |
| | ..... | (B & S) | 3 |
| 15✳ | 403087 | Sheave, blade drive (48") | 1 |
| | 303498 | Sheave, blade drive (36"&52") | 1 |
| 16▽ | 803046 | Setscrew, 5/16-18 x 1 | 1 |
| 17 | 807264 | Key, 1/4 sq. x 2-5/8 | 1 |
| 18▽ | 803050 | Setscrew, 5/16-18 x 3/4 | 1 |
| 19▽ | 803310 | Setscrew, 5/16-18 x 3/8 | 2 |
| 20 | 603843 | Idler, pulley | 1 |
| 21 | 603496 | Bushing, idler | 1 |
| 22 | 807517 | Screw, 3/8-16 x 1-3/4 | 1 |
| 23 | 805006 | Lockwasher, 3/8 | 1 |
| 24 | 800298 | Screw, 3/8-16 x 2-1/2 | 1 |
| 25 | 373034 | Washer, swivel | 1 |
| 26 | 513034 | Bearing, pivot | 2 |
| 27 | 602521 | Arm, assy idler (w/bearings) | 1 |
| | 602458 | Arm, assy idler (w/o bearings) | 1 |
| 28 | 603402 | Spring, extension | 1 |
| 29 | 800273 | Screw, 5/16-18 x 1 | 1 |
| 30 | 603801 | Anchor, spring | 1 |
| 31 | 809001 | Nut, whizlock 5/16-18 | 2 |
| | 809001 | Nut, whizlock 5/16-18(B&S) | 6 |
| 32 | 323225 | Belt, pump drive | 1 |

| Ref. No. | Part No. | Description | Qty. Req'd. |
|---|---|---|---|
| 33▽ | 803050 | Setscrew, 5/16-18 x 3/4 | 4 |
| 34 | 603778 | Sheave - pump | 2 |
| 35 | 807272 | Key, 5mm sq. x 25mm | 2 |
| 36 | 809072 | Screw, 1.25 x 25mm | |
| | ..... | (36" Kaw)(48" Koh) | 1 |
| | ..... | (36"Kohler) | 2 |
| | 800275 | Screw, 5/16-18 x 1-1/2 (B & S) | 1 |
| | 809018 | Screw, 1.25 x 30mm | |
| | ..... | (36"Kaw & 48"Kaw) | 1 |
| 37 | 603044 | Bushing - Idler pivot | 1 |
| 38 | 809007 | 3/8-16 Whizlock Nut | 10 |
| 39◊ | 403092 | Pulley, pump drive | 1 |
| 40 | 322199 | Deck, engine wldmt | 1 |
| 41 | 809062 | Bolt, .500 x 1.75 (shoulder) | 1 |
| 42 | 811008 | Zerk | 1 |
| 43 | 322108 | Bellcrank assy. w/zerk | 1 |
| | 322086 | Bellcrank weldmt | 1 |
| 44 | 806003 | Hairpin | 2 |
| 45 | 323172 | Linkage, blade engagement | 1 |
| 46 | 804256 | Nut, nylock 5/16-18 | 1 |
| 47 | 323245 | Spring, compression | 1 |
| 48 | 322090 | Bellcrank | 1 |
| 49 | 800277 | Screw, 5/16-18 x 2 | 1 |
| 50 | 513051 | Switch, blade engagement | 1 |
| 51 | 804252 | Nut nylock 10-24 | 3 |
| 52 | 323213 | Bracket, switch | 1 |
| 53 | 803028 | Screw, 10-24 x 5/8 | 2 |
| 54 | 800251 | Screw, 1/4-20 x 5/8 | 2 |
| 55 | 613150 | Stud, hub 1/2-20 | 8 |
| 56 | 805259 | Washer, 5/16(SAE) | 1 |
| 57 | 809012 | Nut, whizlock 1/4-20 | 2 |
| 58◆ | 303431 | Elbow St. 3/8 NPT (brass) | 1 |
| 59◆ | 543233 | Cap, 3/8 NP | 1 |
| 60◆ | 543232 | Nipple, 4 x 3/8 NPT | 1 |
| 61◆ | 403124 | Elbow, St. 3/8 NPT (galv) | 1 |
| 62◆ | 323326 | Nipple, 3 3/8 NPT (Kohler) | 1 |
| 63 | 811006 | Zerk, 1/4-28 STRT | 1 |
| 64 | 800297 | Screw, 3/8-16 x 4 | 1 |
| 65 | 323366 | Split ring | 1 |
| 66 | 804257 | Nut, 3/8-16 nylock | 1 |
| 67 | 800303 | Screw, 3/8-16 x 4 1/2 | 1 |
| 68 | 323365 | Chain, twist link | 1 |
| 69 | 805252 | Washer, #10 | 1 |
| 70 | 809069 | Screw, 10-24 x 7/8HxSktHd | 1 |
| 71 | 633068 | Arm | 1 |
| 72 | 800290 | Screw, 3/8-16 x 3/4 | 2 |

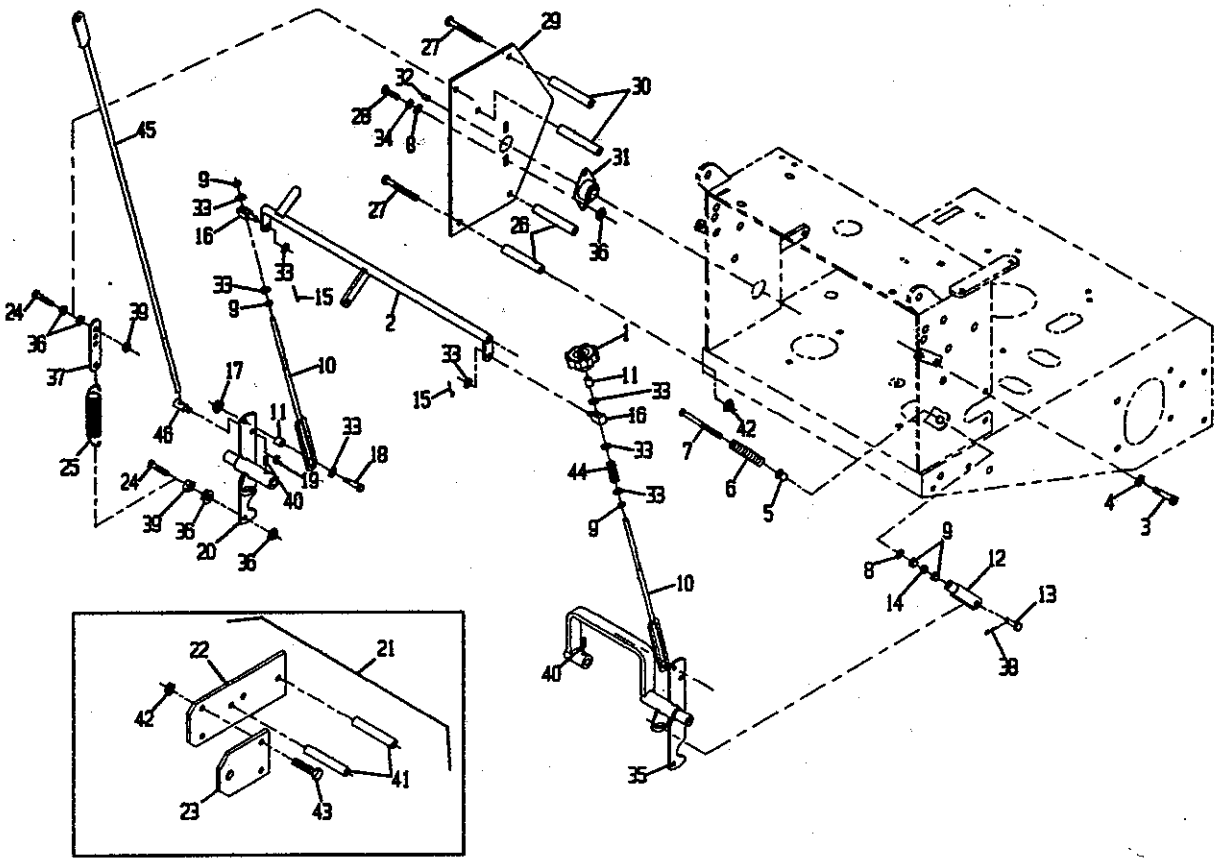
✳ Use anti-seize compound on pulley bore and on tapered bore of hub.

▽ Use Pro-Lock (nut type, Part no. 840022, 5 ml tube) on setscrew threads.

◆ Use a Teflon pipe sealant of equivalent on threads.
Exmark red touch up spray paint - P/N 850337

◊ Use Pro-Lock (retaining type, Part no. 840023, .5cc tube) on pulley.

## ENGINE DECK GROUP (con't.)

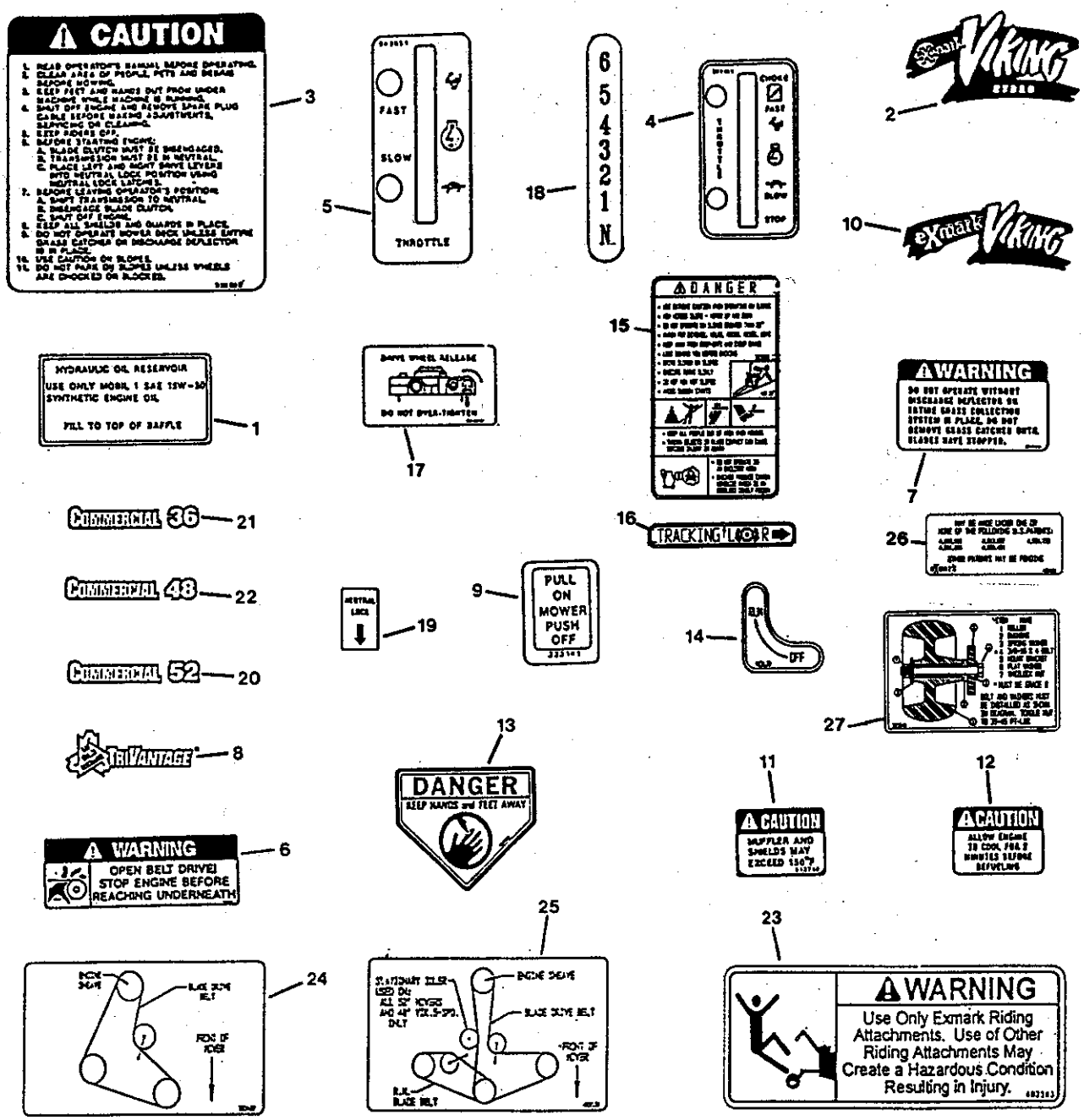


| Ref. No. | Part No. | Description | Qty. Req'd. | Ref. No. | Part No. | Description | Qty. Req'd. |
|---|---|---|---|---|---|---|---|
| 1 | 413151 | Knob, tracking | 1 | 24 | 800274 | Screw, 5/16-18 x 1-1/4 | 4 |
| 2 | 412203 | Crank weldmt | 1 | 25 | 603693 | Spring, extension | 2 |
| 3* | 809056 | Bolt, .375 x .375 (shoulder) | 2 | 26 | 323197 | Spacer, short | 4 |
| 4 | 805259 | Washer, 3/8 (sae) | 2 | 27 | 800302 | Screw, 3/8-16 x 4 | 7 |
| 5 | 603735 | Bushing, nylon flanged | 2 | 28 | 800271 | 5/16-18 x 3/4 | 4 |
| 6 | 603807 | Spring, neutral return | 2 | 29 | 413201 | Shield, hydro control | 2 |
| 7 | 603737 | Bolt, neutral return | 2 | 30 | 323195 | Spacer, long | 4 |
| 8 | 805256 | Washer, 1/4(std) | 6 | 31 | 633102 | Bearing, flange | 2 |
| 9 | 804521 | Nut, 5/16-24 | 7 | 32 | 811006 | Zerk, 1/4-28 | 2 |
| 10 | 412276 | Rod, control arm | 2 | 33 | 805257 | Washer, 5/16 (SAE) | 9 |
| 11 | 603903 | Spacer | 3 | 34 | 805005 | Lockwasher, 5/16 (heavy) | 4 |
| 12 | 303105 | Yoke, adjustable | 2 | 35 | 412270 | Arm weldmt, RH | 1 |
| 13 | 808280 | Pin, clevis 5/16-1 | 2 | 36 | 809001 | Nut, whizlock 5/16 | 12 |
| 14 | 804758 | Nut, jam 5/16-24 | 2 | 37 | 613089 | Anchor, spring | 2 |
| 15 | 806753 | Pin, cotter 3/32 x 1/2 | 2 | 38 | 806003 | Hairpin | 2 |
| 16 | 603676 | Swivel | 2 | 39 | 804256 | Nut, nylock 5/16-18 | 4 |
| 17 | 809012 | Nut, 1/4-20 whizlock | 2 | 40* | 803022 | Setscrew, 5/16-18 x 5/8 | 2 |
| 18* | 809057 | Bolt, .312 x .750 (shoulder) | 2 | 41 | 323240 | Spacer, shield | 4 |
| 19 | 808520 | Klipring | 2 | 42 | 809007 | Nut, whizlock 3/8-16 | 12 |
| 20 | 412272 | Arm weldmt, left hand | 1 | 43 | 800292 | Screw, 3/8-16 x 1 | 4 |
| 21 | 301022 | Sulky hitch kit, (Vik Hydro) | 1 | 44 | 323245 | Spring | 2 |
| 22 | 373036 | Mount, hitch | 1 | 45 | 413219 | Linkage, drive | 2 |
| 23 | 323238 | Bracket, hitch adapter | 2 | 46 | 413227 | Swivel, drive lever | 2 |

* Use Pro-Lock nut type, Part No. 840022 (.5 ml tube) on bolt & setscrew threads.

Exmark red touch up spray paint - PN 850337

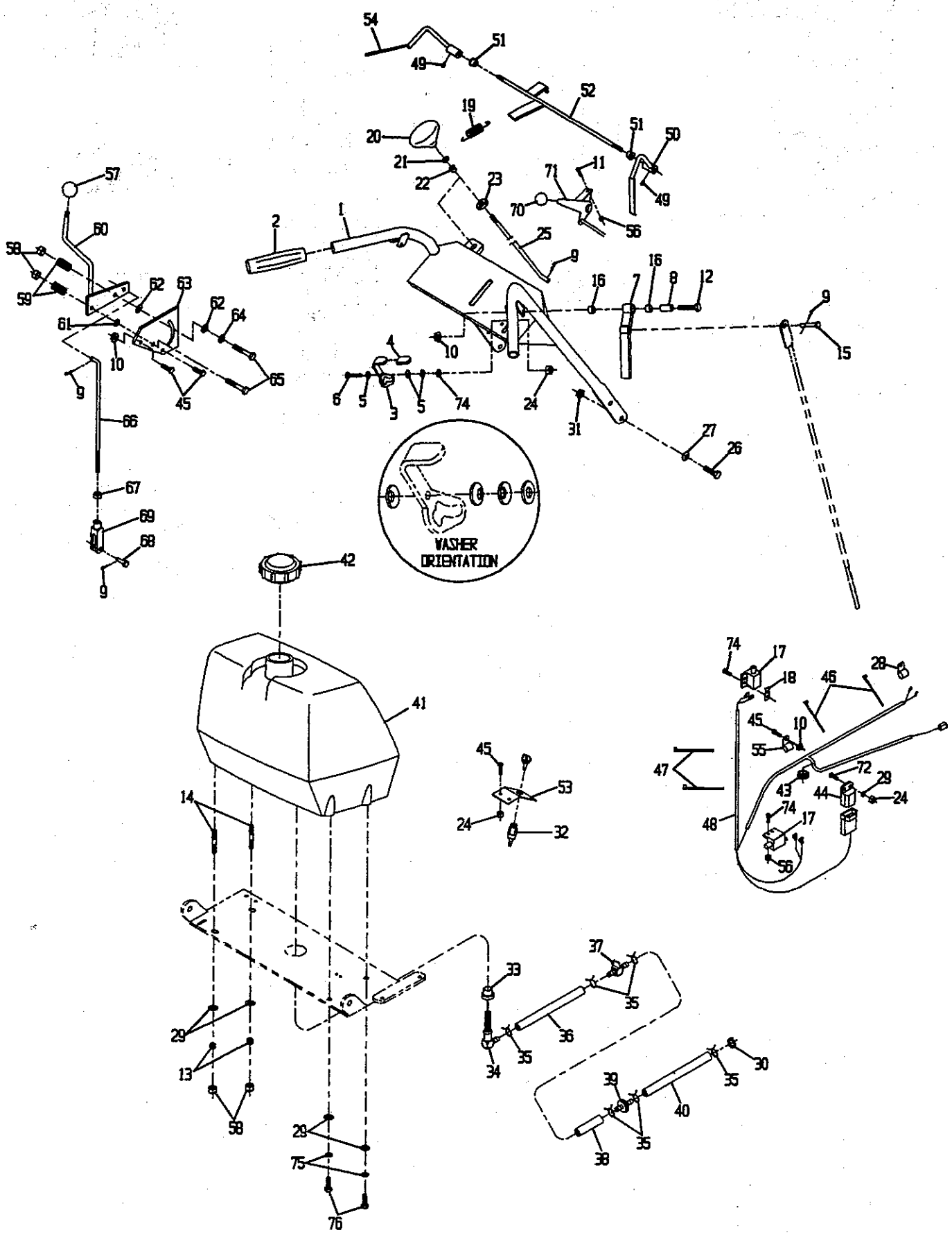
# DECALS




| Ref. No. | Part No. | Description | Qty. Req'd. |
|---|---|---|---|
| 1 | 513890 | Decal, Hydraulic Tank | 1 |
| 2 | 323319 | Decal, Large Vik Hydro | 1 |
| 3 | 323232 | Decal, Instructional | 1 |
| 4 | 323151 | Decal, Throttle/Choke (Kawasaki & Kohler) | 1 |
| 5 | 543631 | Decal, Throttle (B&S) | 1 |
| 6 | 303517 | Decal, Belt Drive | 1 |
| 7 | 303508 | Decal, Discharge Warning | 1 |
| 8 | 303520 | Decal, TriVantage | 1 |
| 9 | 323141 | Decal, Mower Engagement | 1 |
| 10 | 323321 | Decal, Small Viking | 1 |
| 11 | 513746 | Decal, Muffler | 1 |
| 12 | 303293 | Decal, Caution | 1 |
| 13 | 403005 | Decal, Danger (36") | 1 |
| | 403005 | Decal, Danger (48"& 52") | 2 |

| Ref. No. | Part No. | Description | Qty. Req'd. |
|---|---|---|---|
| 14 | 403120 | Decal, Off/Run (B&S) | 1 |
| 15 | 323525 | Decal, Danger | 1 |
| 16 | 413214 | Decal, Tracking | 1 |
| 17 | 603845 | Decal, Drive Wheel Release | 1 |
| 18 | 613169 | Decal, Shifter | 1 |
| 19 | 303102 | Decal, Neutral Lock Label | 2 |
| 20 | 403132 | Decal, Commercial "52" | 1 |
| 21 | 323411 | Decal, Commercial "36" | 1 |
| 22 | 403131 | Decal, Commercial "48" | 1 |
| 23 | 403143 | Decal, Sulky warning | 1 |
| 24 | 323427 | Decal, Belt routing (36" Deck) | 1 |
| 25 | 403139 | Decal, Belt routing (48"&52) | 1 |
| 26 | 403080 | Decal, Patent No. | 1 |
| 27 | 323540 | Decal, Roller Mounting (52") | 1 |

# UPPER HANDLES and CONTROLS



## UPPER HANDLES and CONTROLS

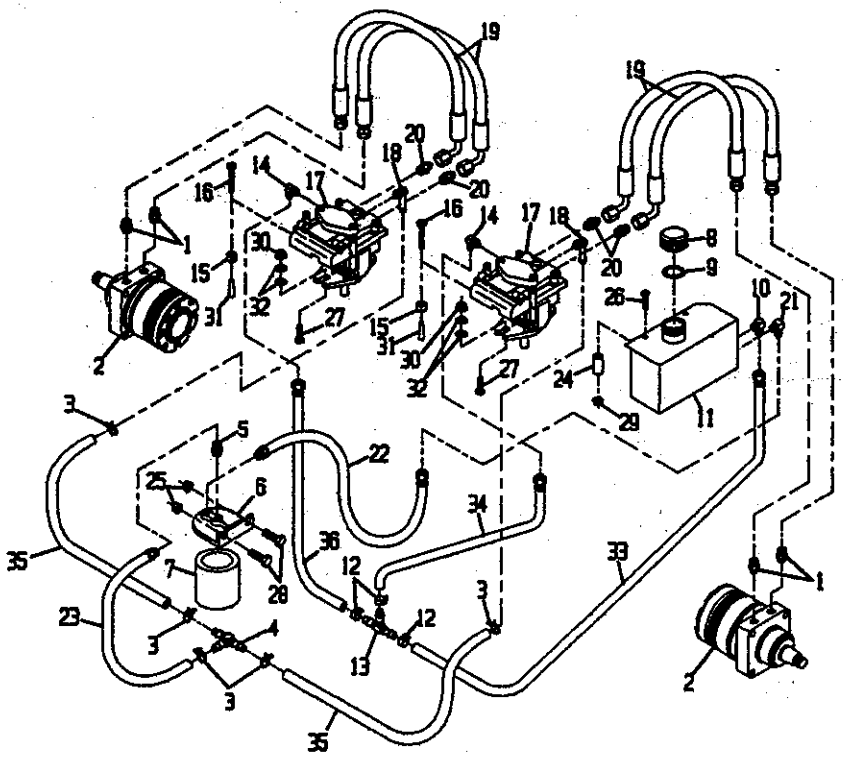
| Ref. No. | Part No. | Description | Qty. Req'd. |
|---|---|---|---|
| 1 | 322197 | Handle weldment | 1 |
| 2 | 303097 | Grip, handle | 2 |
| 3 | 612168 | Latch, thumb w/grip (RH) | 1 |
| ƒ | 612167 | Latch, thumb w/grip (LH) | 1 |
| 4 | 303019 | Grip, latch | 2 |
| 5 | 303435 | Washer, 1/4 spring disc | 6 |
| 6 | 800257 | Screw, 1/4-20 x 1-3/4 | 2 |
| ƒ | 412159 | Lever, drive (LH) | 1 |
| 7 | 412161 | Lever, drive (RH) | 1 |
| 8 | 603749 | Bushing, drive lever | 2 |
| 9 | 806003 | Hairpin | 5 |
| 10 | 809012 | Nut, whizlock 1/4-20 | 5 |
| 11 | 807513 | Screw, #10-24 x ½ carriage | 2 |
| 12 | 800256 | Screw, 1/4-20 x 1-1/2 | 2 |
| 13 | 633349 | Spring, fuel tank | 2 |
| 14▽ | 633023 | Stud, fuel tank | 2 |
| 15 | 613055 | Pin, clevis | 2 |
| 16 | 413152 | Bearing | 4 |
| 17 | 513051 | Switch | 2 |
| 18 | 633181 | Plate, tapped | 1 |
| 19 | 303363 | Spring, actuator | 1 |
| 20 | 323134 | Knob, (push/pull) | 1 |
| 21 | 804751 | Nut, jam 5/16-18 | 1 |
| 22 | 323143 | Bushing, nylon .38 I.D. | 1 |
| 23 | 323142 | Push Nut (.50 shaft) | 1 |
| 24 | 804255 | Nut, nylock 1/4-20 (Kaw & Koh) | 3 |
| | 804255 | Nut, nylock 1/4-20 (B&S) | 5 |
| 25 | 323181 | Linkage, blade push/pull | 1 |
| 26 | 800292 | Screw, 3/8-16 x 1 | 4 |
| 27 | 303327 | Washer, 3/8 spring disc | 4 |
| 28 | 323229 | Clip, loom 3/8" (Kaw) | 1 |
| 29 | 805256 | Washer 1/4" std flat | 5 |
| 30 | 303308 | Clamp, gas line (Kawasaki) | 1 |
| 31 | 809007 | Nut, whizlock 3/8-16 | 4 |
| 32 | 403121 | Switch, ON-Off key (B&S) | 1 |
| | 603511 | Keys, ignition | 1 |
| 33 | 513645 | Bushing, fuel valve | 1 |
| 34 | 543277 | Elbow, fuel tank | 1 |
| 35 | 303077 | Clamp, gas line (Kohler) | 6 |
| | 303077 | Clamp, gas line (B&S) | 4 |
| | 303077 | Clamp, gas line (Kawasaki) | 5 |
| 36 | 603955 | Fuel line, 6" (Kaw & Kohler) | 1 |
| | 543649 | Fuel line, 7" (B&S) | 1 |
| 37 | 603770 | Valve, gas | 1 |
| 38 | 603776 | Fuel line, 2.5" (Kaw & Kohler) | 1 |
| | 303471 | Fuel line, 12" (B&S) | 1 |
| 39 | 303197 | Filter, gas | 1 |
| 40 | 603954 | Gas line, 13.75" (Kohler) | 1 |
| | 303471 | Gas line, 12.0" (Kaw) | 1 |
| 41 | 413179 | Tank, gas | 1 |
| 42 | 513508 | Cap, gas | 1 |
| 43 | 543296 | Grommet | 1 |
| 44 | 323430 | Module, Interlock | 1 |
| 45 | 800251 | Screw, 1/4-20 x 5/8 (Kaw & Kohler) | 3 |
| | 800251 | Screw, 1/4-20 x 5/8 (B&S) | 5 |
| 46 | 303287 | Tie, plastic 5 1/2" (Kaw) | 5 |
| | 303287 | Tie, plastic 5 1/2"(Koh&Briggs) | 4 |
| 47 | 303335 | Tie, plastic 7 5/16" | 2 |
| 48 | 323518 | Harness wiring (Kawasaki) | 1 |
| | 323519 | Harness wiring (Kohler) | 1 |
| | 403147 | Harness wiring (B&S) | 1 |
| 49♦ | 803322 | Setscrew, 5/16-24 x 5/16 | 2 |
| 50▽ | 412185 | Lever, OPC (RH) | 1 |
| 51 | 303365 | Bushing, nylon | 2 |
| 52 | 322192 | Rod weldmt, connecting | 1 |
| 53 | 403118 | Bracket, key switch (B&S) | 1 |
| 54▽ | 412183 | Lever, OPC (LH) | 1 |
| 55 | 603727 | Clip, .56 Loom | 1 |
| 56 | 804252 | Nut, nylock #10-24 | 4 |
| 57♦ | 603175 | Knob, 1-3/8 | 1 |
| 58 | 804256 | Nut, nylock 5/16-18 | 4 |
| 59 | 323245 | Spring, compression | 2 |
| 60 | 602733 | Lever, shift | 1 |
| 61 | 805257 | Washer, 5/16 (sae) | 1 |
| 62 | 323244 | Washer, friction | 2 |
| 63 | 603730 | Plate, shift lever | 1 |
| 64 | 603716 | Washer, friction | 1 |
| 65 | 800277 | Screw, 5/16-18 x 2 | 2 |
| 66 | 323522 | Rod, speed control | 1 |
| 67 | 804758 | Nut, jam 5/16-24 | 1 |
| 68 | 808280 | Pin, clevis | 1 |
| 69 | 303105 | Yoke, adjustable | 1 |
| 70 | 513592 | Knob, red ball | 1 |
| 71 | 323129 | Cable, throttle (Kaw & Kohler) | 1 |
| | 543697 | Cable, throttle (B&S) | 1 |
| 72 | 800252 | Screw, 1/4-20 x 3/4 | 1 |
| 73 | 801040 | Screw, #10-24 x .75 | 2 |
| 74 | 803028 | Screw, #10-24 x 5/8 | 4 |
| 75 | 805005 | Washer, 5/16 lock | 2 |
| 76 | 800271 | Screw, 5/16-18 x 3/4 | 2 |

ƒ Not Illustrated.

♦ Use Pro-Lock ,nut type (Part no. 840022 on setscrew threads and on shifter knob threads.

▽ Use Pro-lock, retaining type (Part no. 840023 .5cc tube) on inside bore of OPC hub and on fuel tank studs. Apply dielectric grease on all electrical connectors.
Exmark black touch up spray paint - Gloss black

## HYDRAULICS GROUP



| Ref. No. | Part No. | Description | Qty. Req'd. |
|---|---|---|---|
| 1 | 603991 | Fitting, strght connector | 4 |
| | 603919 | Boss O-Ring | 1 |
| | 603992 | Flare O-Ring | 1 |
| 2 | 603718 | Wheel motor | 2 |
| | 000138 | Kit, Bearing | 1 |
| | 000119 | Kit, seal | 1 |
| 3 | 603827 | Clamp, hose (5/8) | 5 |
| 4 | 603721 | Fitting, Hose Tee (3/8 I.D hose) | 1 |
| 5 | 513510 | Connector, male | 1 |
| 6* | 603720 | Head, filter | 1 |
| 7 | 513211 | Element, oil filter | 1 |
| ∇ | 523541 | Element, oil filter(winter) | 1 |
| 8 | 513167 | Cap, hydraulic reservoir | 1 |
| 9 | 523103 | Gasket, tank cap | 1 |
| 10 | 603987 | Elbow, 90° | 1 |
| 11* | 512166 | Reservoir, hydraulic fluid | 1 |
| 12 | 603826 | Hose Clamp 1/2 | 3 |
| 13 | 603722 | Fitting - Hose Tee(1/4 I.D hose) | 1 |
| 14 | 513840 | Elbow - 90° | 2 |
| | 603921 | O-Ring | 1 |
| 15 | 804255 | Nut, nylock 1/4-20 | 2 |
| 16 | 801063 | Screw, 1/4-20 x 2 pan head | 2 |

| Ref. No. | Part No. | Description | Qty. Req'd. |
|---|---|---|---|
| 17 | 613042 | Pump, hydro | 2 |
| 18 | 603989 | Elbow, 90° | 2 |
| | 603923 | O-Ring | 1 |
| 19 | 403102 | Hose, high pressure | 4 |
| 20 | 603990 | Adapter, straight thread | 4 |
| | 603920 | Boss O-Ring | 1 |
| | 603992 | Flare O-Ring | 1 |
| 21 | 603988 | Elbow, 90° | 1 |
| 22 | 602985 | Hose, supply | 1 |
| 23 | 602754 | Hose, charge line | 1 |
| 24 | 323218 | Spacer, hydraulic tank | 2 |
| 25 | 809001 | Nut, whizlock 5/16-18 | 2 |
| 26 | 800258 | Screw, 1/4-20 x 2 | 2 |
| 27 | 800293 | Screw, 3/8-16 x 1-1/4 | 4 |
| 28 | 800273 | Screw, 5/16-18 x 1 | 2 |
| 29 | 809012 | Nut, whizlock 1/4-20 | 2 |
| 30 | 809007 | Nut, whizlock 3/8-16 | 4 |
| 31 | 613073 | Grip, dump valve | 2 |
| 32 | 805258 | Washer, 5/16 std | 8 |
| 33 | 602750 | Hose, case drain | 1 |
| 34 | 632286 | Hose assy, lo pressure | 1 |
| 35 | 413273 | Hose, lo pressure | 2 |
| 36 | 632285 | Hose assy, lo pressure | 1 |

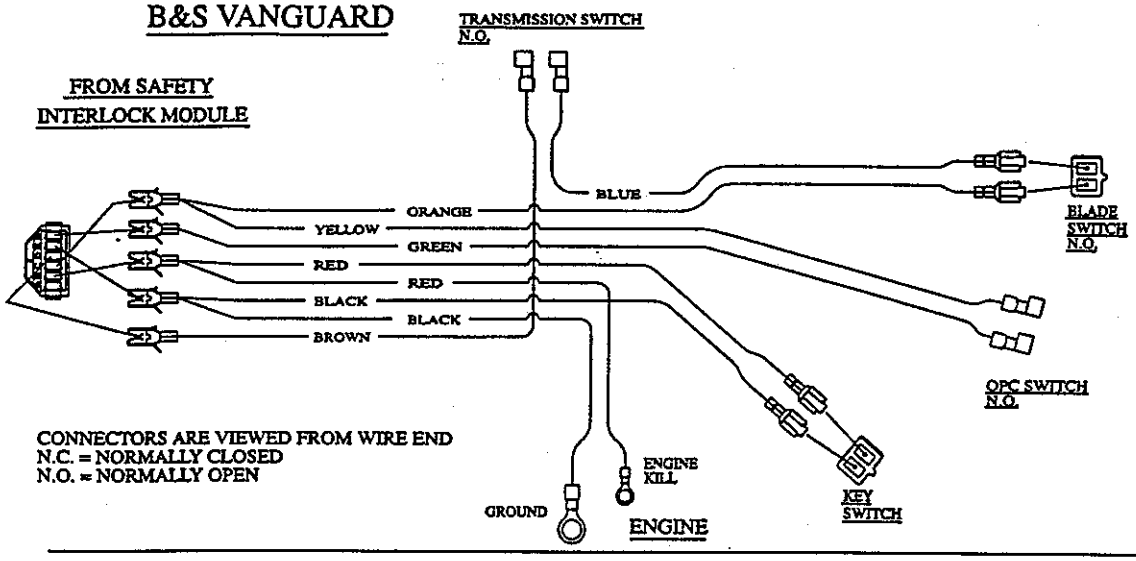
* Use Teflon Pipe Sealant or equivalent on hydraulic reservoir and filter head fittings.

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

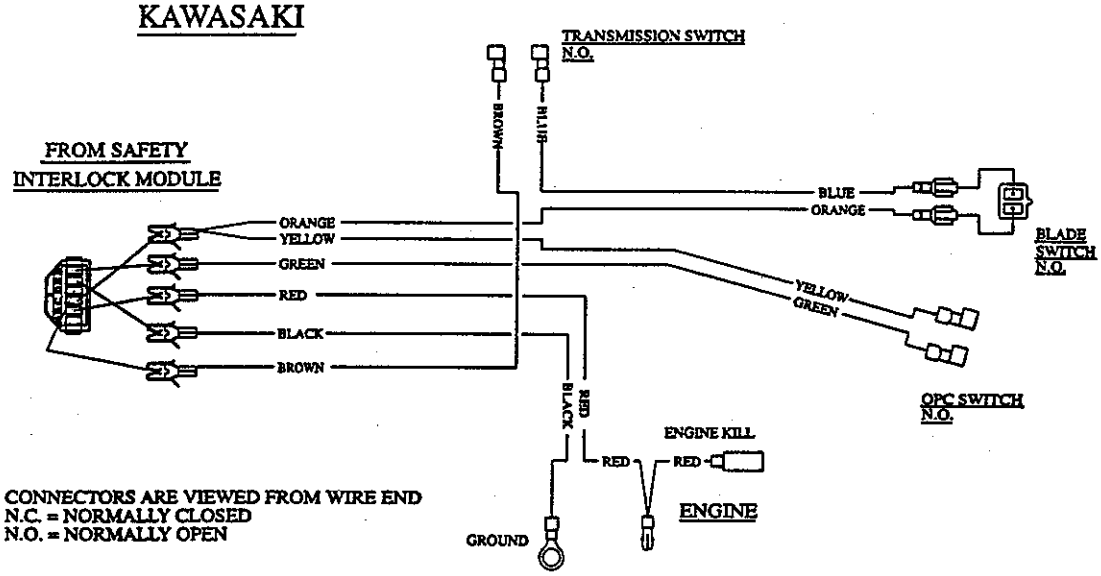
Emark black touch up spray paint - gloss black

# WIRING DIAGRAMS

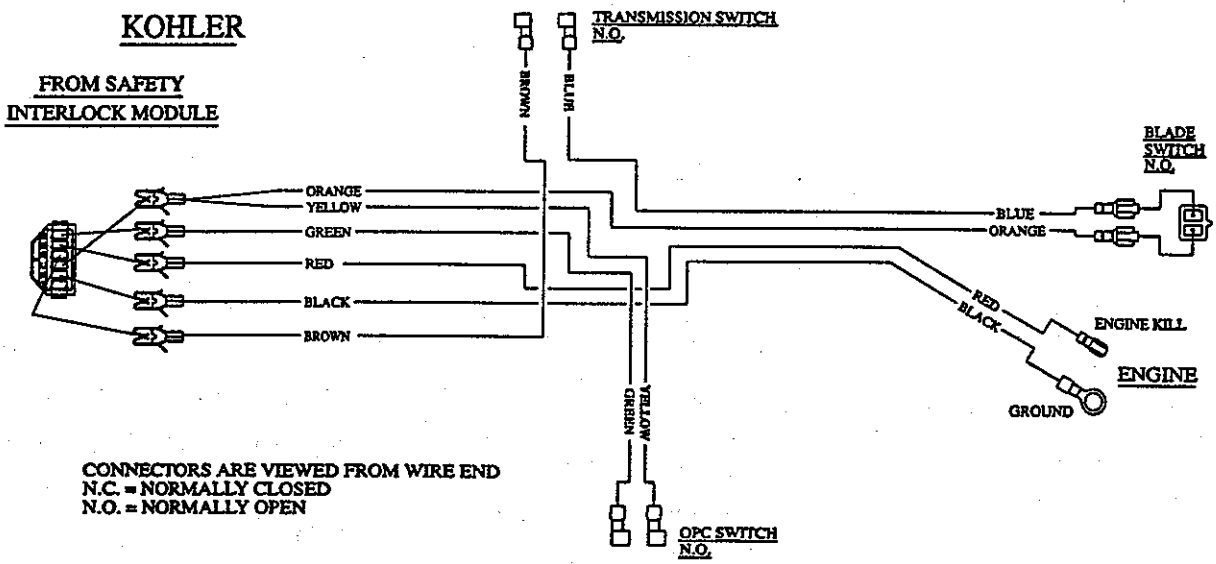
## B&S VANGUARD




## KAWASAKI




## KOHLER



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**MICRO-MULCHING ACCESSORY**

EXMARK MFG. CO. INC.
INDUSTRIAL PARK BOX 808
BEATRICE. NE. 68310

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