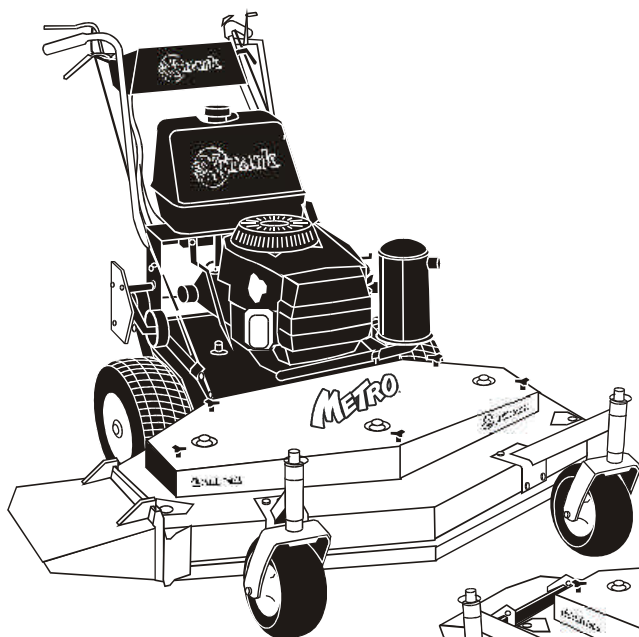
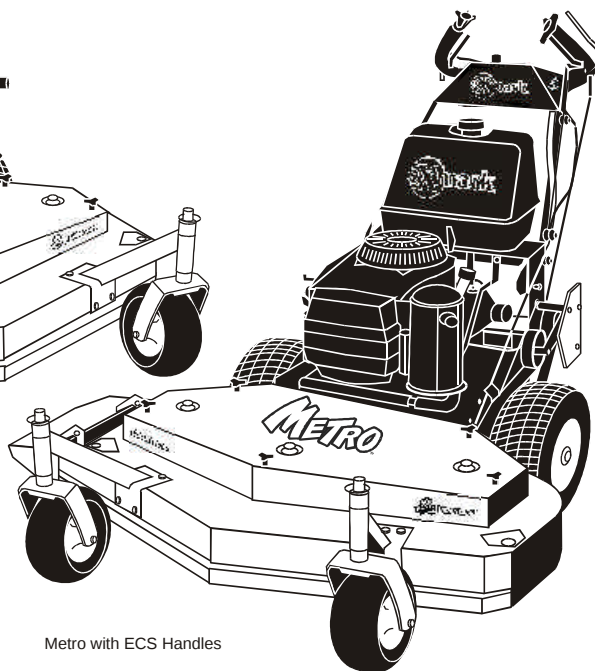




For Serial Nos.  
440,000 & Higher



Metro with Pistol Grip Handles



Metro with ECS Handles

# METRO®

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.

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<sup>®</sup> PROGRAM

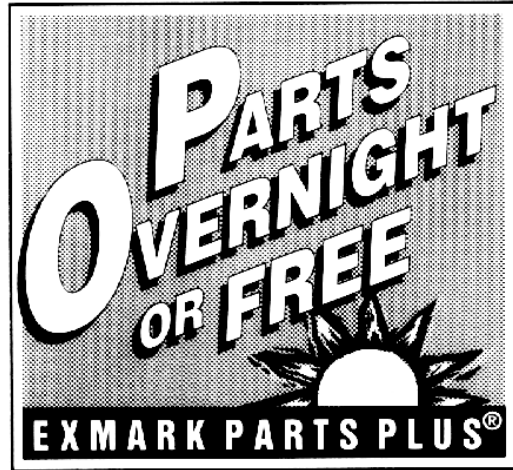
EFFECTIVE DATE: September 1, 1995

## 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<sup>®</sup> 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<sup>®</sup> order, he contacts Exmark by 3:00 p.m., central time, with an Exmark Parts Plus<sup>®</sup> 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<sup>®</sup> 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<sup>®</sup> 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<sup>®</sup> 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<sup>®</sup> 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<sup>®</sup> 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<sup>®</sup> 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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## 32" and 36" MOWER DECK

| Item | Part No.    | Description                                      | Qty. |
|------|-------------|--------------------------------------------------|------|
| 1    | 103-2312    | Deck (103-2307-01) W/Decals & Dogleg(36") .....  | 1    |
|      | 103-2313    | Deck (103-2301-01) W/Decals & Dogleg (32") ..... | 1    |
| 2    | 1-302189-01 | Wld, Dogleg Baffle .....                         | 1    |
| 3    | 322-2       | Screw, HH 5/16-18 x 5/8.....                     | 7    |
| 4    | 32128-20    | Nut, Whizlock 5/16-18.....                       | 22   |
| 5    | 103-3600    | Asm, Engagement Arm W/Bushings .....             | 1    |
| 6    | 302-52      | Zerk, 1/8 NPT Straight.....                      | 2    |
| 7    | 302-19      | Zerk, 1/4-28 Straight.....                       | 1    |
| 8    | 1-323385    | Knob, Belt Cover .....                           | 4    |
| 9    | 1-809020    | Quick Pin, 10" Caster.....                       | 2    |
| 10   | 3296-29     | Nut, Nyloc 5/16-18.....                          | 3    |
| 11   | 323-8       | Screw, HH 3/8-16 x 1 1/2.....                    | 6    |
| 12   | 3290-357    | Nut, Whizlock 3/8-16.....                        | 14   |
| 13   | 1-323748    | Ring, Push-On 7/16 .....                         | 1    |
| 14   | 98-5975     | Washer, Spring Disk 3/8 .....                    | 7    |
| 15   | 1-808280    | Pin, Clevis 5/16 x 1 .....                       | 1    |
| 16   | 1-303105    | Yoke .....                                       | 1    |
| 17   | 1-806003    | Hairpin, Cotter #2 .....                         | 3    |
| 18   | 32151-103   | E-Ring .....                                     | 1    |
| 19   | 702809      | Screw, HH 3/8-16 x 1 7/8.....                    | 1    |
| 20   | 103-2528    | Blade, Notched (36").....                        | 2    |
| ●    | 103-2518    | Blade, Mulching (36").....                       | 2    |
|      | 103-2508    | Blade, Low Lift (36") Optional .....             | 2    |
|      | 103-1578    | Blade, Solid (36").....                          | 2    |
|      | 103-2527    | Blade, Notched (32").....                        | 2    |
| ●    | 103-2517    | Blade, Mulching (32").....                       | 2    |
|      | 103-2507    | Blade, Low Lift (32") Optional .....             | 2    |
|      | 103-1577    | Blade, Solid (32").....                          | 2    |
| 21   | 1-513338    | Washer, Special .....                            | 2    |
| 22   | 3253-7      | Washer, Lock 1/2.....                            | 2    |
| 23   | 3217-9      | Nut, Hex 1/2-13 .....                            | 2    |
| 24   | 325-20      | Screw, HH 1/2-13 x 6.....                        | 2    |
| 25   | 1-303352    | Washer, Spindle .....                            | 1    |
| 26   | 32120-35    | E-Ring .....                                     | 1    |
| 27   | 1-323733    | Drive Belt (To Blades) 36" Model.....            | 1    |
|      | 1-323734    | Drive Belt (To Blades) 32" Model.....            | 1    |
| 28◆  | 1-803310    | Setscrew, 5/16-18 x 3/8 .....                    | 2    |
| 29   | 322-6       | Screw, HH 5/16-18 x 1 1/4.....                   | 9    |
| 30   | 3256-23     | Washer, 5/16 SAE .....                           | 1    |
| 31   | 1-303537    | Stud, Belt Shield (Short) .....                  | 2    |
| 32   | 1-303536    | Stud, Belt Shield (Long) .....                   | 2    |
| 33   | 1-324208    | Shield (1-302213-01) W/Decals, 36".....          | 1    |
|      | 1-324194    | Shield (1-322149-01) W/Decals, 32".....          | 1    |
| 34   | 1-323417    | Washer, Belt Cover Mount.....                    | 4    |
| 35   | 1-322145-01 | Wld, Caster Fork.....                            | 2    |
| 36   | 103-1236    | Asm, Caster Wheel Assembly.....                  | 2    |
| 37   | 1-302233-01 | Chute.....                                       | 1    |
| 38   | 3296-56     | Nut, Nyloc 1/4-20 Thin.....                      | 1    |

| Item | Part No.    | Description                                         | Qty. |
|------|-------------|-----------------------------------------------------|------|
| 39   | 1-323729    | Bearing.....                                        | 2    |
| 40   | 323-4       | Screw, HH 3/8-16 x 3/4 .....                        | 8    |
| 41   | 1-603843    | Pulley, Idler .....                                 | 1    |
| 42   | 103-2555    | Asm, Cutter Housing Complete .....                  | 2    |
| 43   | 322-5       | Screw, HH 5/16-18 x 1 .....                         | 2    |
| 44+  | 103-2547    | Asm, Cutter Housing .....                           | 2    |
| 45   | 302-61      | Zerk, 45° 1/4-28.....                               | 2    |
| 46   | 103-2535    | Spacer.....                                         | 2    |
| 47   | 1-403179    | Tube, Pivot .....                                   | 1    |
| 48   | 1-303314    | Spacer, 10" Caster .....                            | 8    |
| 49+  | 1-323529    | Tube, Spindle .....                                 | 2    |
| 50   | 321-4       | Screw, HH 1/4-20 x 3/4 .....                        | 2    |
| 51   | 1-303514    | Flange , Thrust Bearing .....                       | 4    |
| 52   | 1-323339    | Washer.....                                         | 2    |
| 53+  | 1-403183    | Sheave, Blade Driven .....                          | 2    |
| 54   | 3219-6      | Nut, Hex 5/8-18 UNF.....                            | 2    |
| 55   | 1-800861    | Screw, HH 5/8-18 x 8 .....                          | 2    |
| 56   | 1-807267    | Key, 1/4 x 3/16 x 1 1/4.....                        | 2    |
| 57   | 1-323539    | Spacer, Blade Drive.....                            | 8    |
| 58   | 1-513208    | Washer, Spring Disc 5/8.....                        | 2    |
| 59   | 1-303434    | Bushing, Engagement .....                           | 1    |
| 60   | 1-303348    | Eye Bolt (Left Hand Thread).....                    | 1    |
| 61   | 1-303236    | Turnbuckle Body .....                               | 1    |
| 62   | 1-303238    | Eye Bolt (Right Hand Thread).....                   | 1    |
| 63   | 1-322235    | Arm, Assist .....                                   | 1    |
| 64   | 322-10      | Screw, HH 5/16-18 x 2 .....                         | 1    |
| 65   | 1-323303    | Linkage, Assist Arm.....                            | 1    |
| 66◇  | 103-1238    | Asm , Caster/Mount Complete.....                    | 2    |
| ▲    | 103-2281    | Asm, Caster/Mnt Complete, Weighted ....             | 2    |
| 67◇  | 1-302203    | Asm, Caster Whl Support W/Bearings ....             | 2    |
| ▲    | 103-2296    | Asm, Caster Wheel Support W/Bearings, Weighted..... | 2    |
| 68◇  | 1-302194-01 | Wld, Caster Wheel Support .....                     | 2    |
| ▲    | 103-2297-01 | Wld, Caster Wheel Support, Weighted ...             | 2    |
| 69   | 1-303334    | Washer, Spring Disc 5/16 .....                      | 9    |
| 70   | 1-324372    | Asm, Pad/Spring .....                               | 1    |
| 71+  | 103-1330    | Guard, Bearing Top .....                            | 2    |
| 72   | 3256-3      | Washer, 5/16 Std.....                               | 1    |
| 73   | 1-323715    | Rod, Brake 36" .....                                | 1    |
|      | 1-323718    | Rod, Brake 32" .....                                | 1    |
| 74   | 1-323071    | Spring.....                                         | 1    |
| 75   | 1-323747    | Spring, Compression.....                            | 1    |
| 76   | 1-323746    | Spacer, Flanged .....                               | 1    |
| 77   | 3296-42     | Nut, Nyloc 1/4-20.....                              | 2    |
| 78*  | 103-2169    | Spacer, Front Caster (Yellow Plated).....           | 2    |
| ✖    | 1-513547    | Spacer, Front Caster (Unplated).....                | 2    |
| 79   | 103-2171    | Kit, Tire & Wheel Asm W/ Spacer.....                | 2    |
| 80   | 1-513809    | Roller Bearing.....                                 | 1    |
| 81*  | 103-2170    | Bushing (Groove In Outer Face).....                 | 4    |
| ✖    | 1-513810    | Bushing (No Groove In Outer Face) .....             | 4    |

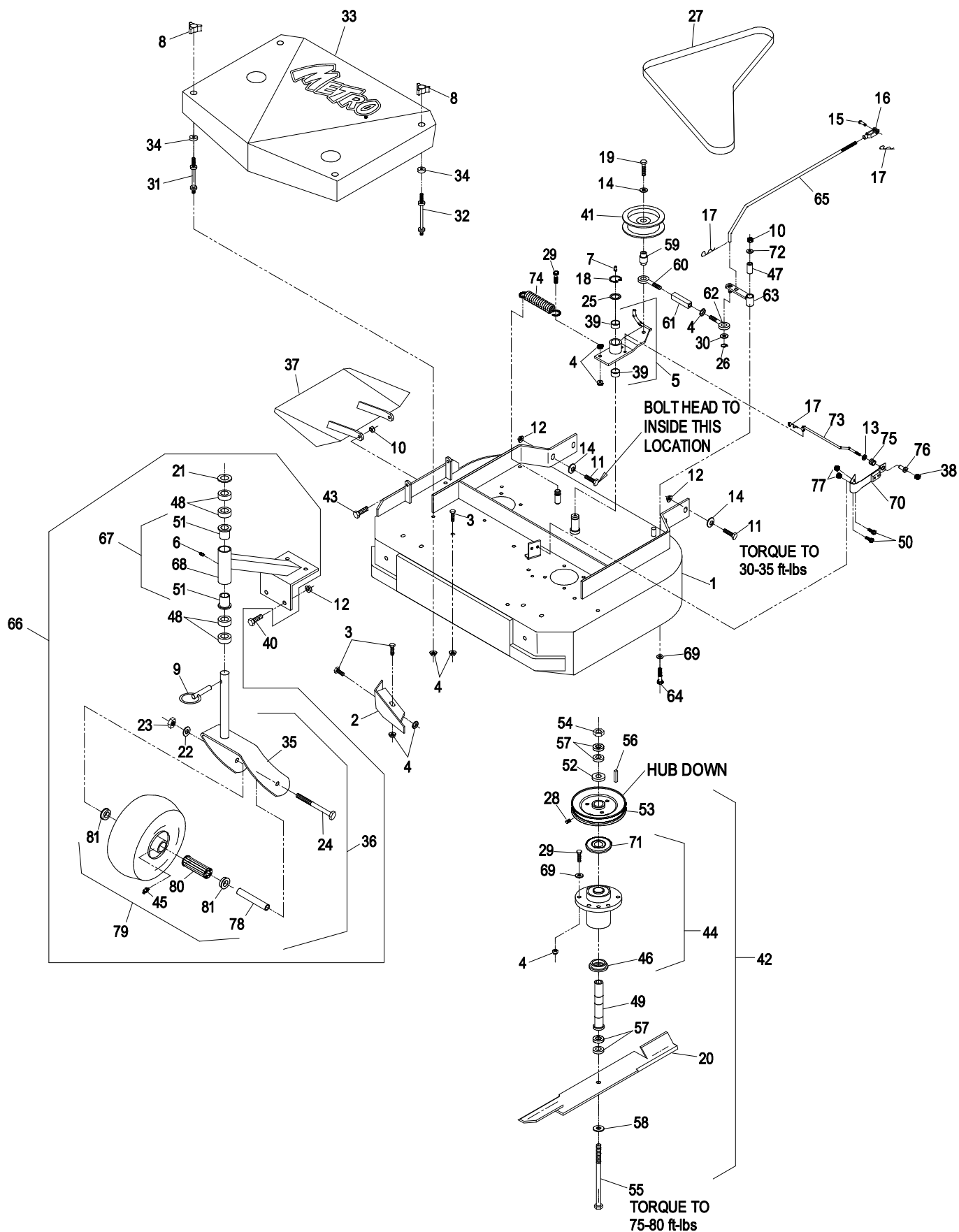
Exmark red touch up spray paint - P/N 1-850337.

- ◆ Use Pro-lock Nut Type (p/n 1-840022 .5 ml tube) on the setscrews.
- Requires installation of Micro-Mulch accessory for proper mulching. Mulch kit P/N's MK322(32") or MK362(36")
- ▲ Models with ECS handles only.
- ◇ Models with Standard pistol grip handles only.
- + Apply Mobil HTS grease (P/N 103-5217 1.5 oz packet) (or a food-grade anti-sieze) between the spindles & bearings and spindles & sheaves and under top bearing guard. DO NOT use a copper or nickel based anti-sieze.

Units have been built with two versions of the wheel and tire assembly (Kit 103-2171 services both versions). Some components are not interchangeable between versions.

- |                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>* Component required for caster assembly version "A", which can be identified by the following:</p> <ol style="list-style-type: none"> <li>1) One sidewall of the tire is stamped "Made in the USA".</li> <li>2) Front caster spacer (item 78) is yellow plated.</li> <li>3) Caster bushings (item 81) have a groove in the outer face.</li> </ol> | <p>✖ Component required for caster assembly version "B", which can be identified by the following:</p> <ol style="list-style-type: none"> <li>1) Sidewalls of tire are not stamped with "Made in the USA".</li> <li>2) Front caster spacer (item 78) is unplated.</li> <li>3) Caster bushings (item 81) do not have a groove in outer face.</li> </ol> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

# 32" & 36" MOWER DECK



# 48" MOWER DECK

| Item | Part No.    | Description                            | Qty. |
|------|-------------|----------------------------------------|------|
| 1    | 1-404257    | Deck (1-402108-01)W/Dcls & Dogleg .... | 1    |
| 2    | 1-402107-01 | Wld, Dogleg Baffle .....               | 1    |
| 3    | 322-2       | Screw, HH 5/16-18 x 5/8 .....          | 4    |
| 4    | 32128-20    | Nut, Whizlock 5/16-18 .....            | 12   |
| 5    | 3296-29     | Nut, Nyloc 5/16-18 .....               | 3    |
| 6    | 323-7       | Screw, HH 3/8-16 x 1 1/4 HH .....      | 18   |
| 7    | 3290-357    | Nut, Whizlock 3/8-16 .....             | 17   |
| 8    | 98-5975     | Washer, Spring Disk 3/8 .....          | 10   |
| 9    | 1-808280    | Pin, Clevis 5/16 x 1 .....             | 1    |
| 10   | 1-303105    | Yoke .....                             | 1    |
| 11   | 1-613098    | Pulley, Idler Pulley .....             | 1    |
| 12   | 32151-103   | E-Ring .....                           | 1    |
| 13   | 103-2527    | Blade, Notched (48") .....             | 3    |
| ●    | 103-2517    | Blade, Mulching (48") .....            | 3    |
|      | 103-2507    | Blade, Low Lift (48") Optional .....   | 3    |
|      | 103-1577    | Blade, Solid (48") .....               | 3    |
| 14   | 1-323303    | Linkage, Assist Arm .....              | 1    |
| 15◆  | 1-803310    | Setscrew, 5/16-18 x 3/8 .....          | 3    |
| 16   | 323-13      | Screw, HH 3/8-16 x 2 3/4 .....         | 2    |
| 17   | 3296-42     | Nut, Nyloc 1/4-20 .....                | 2    |
| 18   | 1-403186    | Pully, Idler .....                     | 1    |
| 19   | 103-2555    | Asm, Cutter Housing Complete .....     | 3    |
| 20+  | 103-2547    | Asm, Cutter Housing .....              | 3    |
| 21   | 302-61      | Zerk, 45° 1/4-28 .....                 | 2    |
| 22   | 103-2535    | Spacer .....                           | 3    |
| 23   | 1-513809    | Bearing, Roller .....                  | 2    |
| 24   | 702809      | Screw, HH 3/8-16 x 1 7/8 .....         | 1    |
| 25+  | 1-323529    | Tube, Spindle .....                    | 3    |
| 26   | 32120-35    | E-Ring .....                           | 1    |
| 27   | 3296-39     | Nut, Nyloc 3/8-16 .....                | 18   |
| 28   | 1-807267    | Key, 1/4 x 3/16 x 1 1/4 .....          | 3    |
| 29+  | 1-403183    | Sheave, Blade Driven .....             | 3    |
| 30   | 1-513208    | Washer Spring Disk 5/8 .....           | 3    |
| 31   | 1-800861    | Screw, HH 5/8-18 x 8 .....             | 3    |
| 32   | 1-323539    | Spacer, Blade Drive .....              | 12   |
| 33   | 1-323339    | Washer .....                           | 3    |
| 34   | 1-322235    | Arm, Assist .....                      | 1    |
| 35   | 3219-6      | Nut, Hex 5/8-18 UNF .....              | 3    |
| 36   | 1-303434    | Bushing, Engagement .....              | 1    |
| 37   | 1-303348    | Eye Bolt (Left Hand Thread) .....      | 1    |
| 38   | 1-303236    | Turnbuckle Body .....                  | 1    |
| 39   | 1-303238    | Eye Bolt (Right Hand Thread) .....     | 1    |
| 40   | 1-323747    | Spring, Compression .....              | 1    |
| 41   | 1-806003    | Hairpin, Cotter #2 .....               | 3    |
| 42   | 1-303352    | Washer, Spindle .....                  | 1    |
| 43   | 322-10      | Screw, HH 5/16-18 x 2 .....            | 1    |
| 44   | 1-323729    | Bearing .....                          | 2    |
| 45   | 1-303334    | Washer, Spring Disk 5/16 .....         | 1    |
| 46   | 103-3600    | Asm, Engagement Arm W/Bushings .....   | 1    |
| 47   | 322-6       | Screw, HH 5/16-18 x 1 1/4 .....        | 1    |

| Item | Part No.    | Description                                        | Qty. |
|------|-------------|----------------------------------------------------|------|
| 48   | 302-19      | Zerk, 1/4-28 Str .....                             | 1    |
| 49   | 3256-24     | Washer, 3/8 SAE .....                              | 2    |
| 50   | 323-20      | Screw, HH 3/8-16 x 3 1/4 .....                     | 1    |
| 51   | 3296-56     | Nut, Nyloc 1/4-20 Thin .....                       | 1    |
| 52   | 1-402106-01 | Wld, Chute .....                                   | 1    |
| 53   | 1-403179    | Tube, Pivot .....                                  | 1    |
| 54   | 3256-3      | Washer, Flat 5/16 Std .....                        | 1    |
| 55   | 1-323714    | Rod, Brake LH .....                                | 1    |
| 56   | 1-324372    | Asm, Pad/Spring .....                              | 1    |
| 57   | 3256-23     | Washer, 5/16 SAE .....                             | 1    |
| 58   | 1-603843    | Pulley, Idler .....                                | 1    |
| 59   | 1-403174    | Belt, Drive (Main Deck) 48" .....                  | 1    |
| 60   | 1-323746    | Spacer, Flanged .....                              | 1    |
| 61   | 1-403184    | Bushing .....                                      | 2    |
| 62   | 322-5       | Screw, HH 5/16-18 x 1 .....                        | 2    |
| 63   | 1-323071    | Spring .....                                       | 1    |
| 64+  | 103-1330    | Guard, Bearing Top .....                           | 3    |
| 65◇  | 103-1238    | Asm, Caster/Mount Complete .....                   | 2    |
| ▲    | 103-2281    | Asm, Caster/Mnt Complete, Weighted ....            | 2    |
| 66◇  | 1-302203    | Asm, Caster Whl Support W/Bearings ....            | 2    |
| ▲    | 103-2296    | Caster Wheel Support<br>W/Bearings, Weighted ..... | 2    |
| 67◇  | 1-302194-01 | Wld, Caster Wheel Support .....                    | 2    |
| ▲    | 103-2297-01 | Wld, Caster Wheel Support, Weighted ...            | 2    |
| 68   | 302-52      | Zerk, 1/8 NPT .....                                | 2    |
| 69   | 1-303514    | Flange, Thrust Bearing .....                       | 4    |
| 70   | 1-303314    | Spacer, 10" Caster .....                           | 8    |
| 71   | 103-1236    | Asm, Caster Wheel .....                            | 2    |
| 72   | 1-322145-01 | Wld, Caster Fork .....                             | 2    |
| 73   | 321-4       | Screw, HH 1/4-20 x 3/4 .....                       | 2    |
| 74   | 1-323748    | Ring, Push-On 7/16 .....                           | 1    |
| 75   | 1-323417    | Washer, Belt Cover Mount .....                     | 5    |
| 76   | 323-4       | Screw, HH 3/8-16 x 3/4 .....                       | 8    |
| 77   | 325-20      | Screw, HH 1/2-13 x 6 .....                         | 2    |
| 78   | 3217-9      | Nut, Hex 1/2-13 .....                              | 2    |
| 79   | 3253-7      | Washer, Lock 1/2 .....                             | 2    |
| 80   | 1-513338    | Washer, Special .....                              | 2    |
| 81   | 1-809020    | Quick Pin, 10" Caster .....                        | 2    |
| 82   | 1-303537    | Stud, Belt Shield (Short) .....                    | 2    |
| 83   | 1-303536    | Stud, Belt Shield (Long) .....                     | 3    |
| 84   | 1-323385    | Knob, Belt Cover .....                             | 5    |
| 85   | 1-404238    | Shield (1-402100-01)W/Decals 48" .....             | 1    |
| 86   | 1-403188    | Spacer, Belt Guide .....                           | 1    |
| 87   | 323-8       | Screw, HH 3/8-16 x 1 1/2 .....                     | 6    |
| 88*  | 103-2169    | Spacer, Front Caster (Yellow Plated) .....         | 2    |
| ✖    | 1-513547    | Spacer, Front Caster (Unplated) .....              | 2    |
| 89   | 103-2171    | Kit, Tire & Wheel Asm W/ Spacer .....              | 2    |
| 90*  | 103-2170    | Bushing (Groove In Outer Face) .....               | 4    |
| ✖    | 1-513810    | Bushing (No Groove In Outer Face) .....            | 4    |

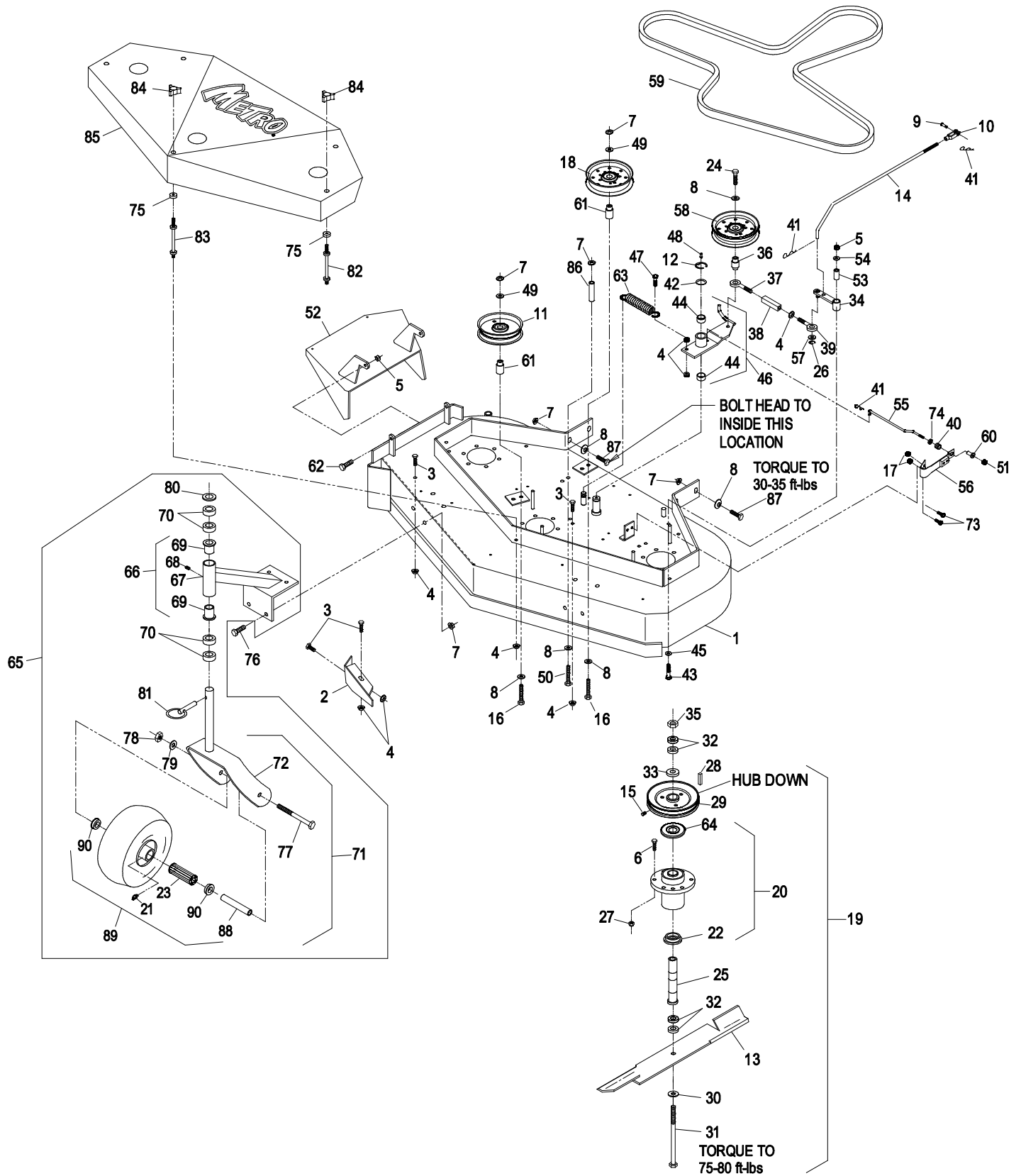
Exmark red touch up spray paint - P/N 1-850337.

- ◆ Use Pro-lock Nut Type (p/n 1-840022 .5 ml tube) on the setscrews.
- Requires installation of Micro-Mulch accessory for proper mulching. Mulch kit P/N's MK483.
- ▲ Models with ECS handles only.
- ◇ Models with Standard pistol grip handles only.
- + Apply Mobil HTS grease (P/N 103-5217 1.5 oz packet) (or a food-grade anti-sieze) between the spindles & bearings and spindles & sheaves and under top bearing guard. DO NOT use a copper or nickel based anti-sieze.

Units have been built with two versions of the wheel and tire assembly (Kit 103-2171 services both versions). Some components are not interchangeable between versions.

- |                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>* Component required for caster assembly version "A", which can be identified by the following:</p> <ol style="list-style-type: none"> <li>1) One sidewall of the tire is stamped "Made in the USA".</li> <li>2) Front caster spacer (item 88) is yellow plated.</li> <li>3) Caster bushings (item 90) have a groove in the outer face.</li> </ol> | <p>✖ Component required for caster assembly version "B", which can be identified by the following:</p> <ol style="list-style-type: none"> <li>1) Sidewalls of tire are not stamped with "Made in the USA".</li> <li>2) Front caster spacer (item 88) is unplated.</li> <li>3) Caster bushings (item 90) do not have a groove in outer face.</li> </ol> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

# 48" MOWER DECK



## ENGINE DECK GROUP

| Item | Part No.    | Description                                | Qty. |
|------|-------------|--------------------------------------------|------|
| 1    | 103-3499    | Rear Deck (103-2923-01) W/Decals .....     | 1    |
| 2    | 1-323500    | Transmission .....                         | 1    |
| 3    | 1-324340    | Asm, Coupling, W/Guard And Zerk .....      | 2    |
| 4    | 1-323502    | Shaft, Transmission Output .....           | 2    |
| 5▲   | 1-323326    | Nipple (Galvanized) 3/8NPT x 3 (KOH) ..    | 1    |
| 6+   | 1-323252    | Bearing, Transmission Shaft .....          | 2    |
| 7    | 1-323254    | Flange, Bearing Transmission Shaft .....   | 2    |
| 8+   | 1-323257-03 | Sheave, 3 1/4" (36"&48") .....             | 2    |
| +    | 1-323363-03 | Sheave, 3 1/4" (32") .....                 | 2    |
| 9    | 32151-62    | Ring, Retaining .....                      | 2    |
| 10   | 1-805005    | Washer, Lock 5/16 Heavy .....              | 4    |
| 11   | 1-373034    | Washer, Flat .....                         | 2    |
| 12◇  | 3245-41     | Setscrew, 1/4-20 x 3/8 Cuppoint .....      | 2    |
| 13   | 1-323280    | Belt, Transmission .....                   | 1    |
| 14   | 3290-357    | Nut, Whizlock 3/8-16 .....                 | 3    |
| 15   | 3296-39     | Nut, Nyloc 3/8-16 .....                    | 1    |
| 16   | 103-3498    | Shifter Plate (1-323387-03) W/Decals ..... | 1    |
| 17   | 1-323389-03 | Leg, Shifter Lever .....                   | 2    |
| 18   | 3230-1      | Bolt, Carriage 5/16-18 x 3/4 .....         | 2    |
| 19   | 32128-20    | Nut, Whizlock 5/16-18 .....                | 2    |
| 20   | 51-4220     | Coupler, Guard .....                       | 2    |
| 21+  | 103-1666    | Sheave, Trans. Drive, 2 3/4" .....         | 1    |
| 22+  | 103-1668    | Sheave, Blade Drive (6.71")(36") .....     | 1    |
| +    | 103-1667    | Sheave, Blade Drive(7.33")(32"&48") .....  | 1    |
| 23   | 5-1336      | Key, 1/4 Sq x 2 .....                      | 1    |
| 24   | 1-303334    | Washer, Spring Disk 5/16 .....             | 4    |
| 25   | 32128-20    | Nut, Whizlock 5/16-18 (KAW) .....          | 4    |
| 26   | 322-7       | Screw, HH 5/16-18 x 1 1/2 (KAW) .....      | 4    |
|      | 33114-025   | Screw, HH M8-1.25 x 25mm (KOH) .....       | 4    |
| 27   | 323-13      | Screw, HH 3/8-16x2 3/4 .....               | 1    |

| Item | Part No. | Description                            | Qty. |
|------|----------|----------------------------------------|------|
| 28▲  | 1-303431 | St. Elbow, (Brass) 3/8 NPT (KOH) ..... | 1    |
| 29   | 1-633453 | Spacer, Tube .....                     | 1    |
| 30   | 1-603610 | Washer, Spring Disk 7/16 .....         | 2    |
| 31   | 9264964  | Screw, HH 5/16-18 x 3/4 Tapping .....  | 4    |
| 32   | 1-303186 | Crank, Bell .....                      | 1    |
| 33+  | 1-323278 | Sheave, Transmission Drive .....       | 1    |
| 34   | 1-543233 | Cap, (Hex) 3/8 NPT (KOH) .....         | 1    |
| 35   | 98-5975  | Washer, Spring Disk, 3/8 .....         | 1    |
| 36   | 3296-6   | Nut, Nyloc 3/8-24 .....                | 1    |
| 37   | 3257-5   | Key, Woodruff 3/16 x 3/4 .....         | 3    |
| 38   | 1-303282 | Switch, Neutral .....                  | 1    |
| 39   | 3231-6   | Bolt, Carriage 3/8-16 x 2 SSN .....    | 1    |
| 40   | 3256-5   | Washer, 7/16 Std. .....                | 2    |
| 41   | 1-323285 | Pulley, Transmission Drive .....       | 1    |
| 42   | 3256-24  | Washer, 3/8 SAE .....                  | 1    |
| 43   | 321-3    | Screw, HH 1/4-20 x 5/8 .....           | 4    |
| 44   | 3296-42  | Nut, Nyloc 1/4-20 .....                | 4    |
| 45   | 1-603403 | Bolt, Shoulder 1/2 x 1 .....           | 1    |
| 46◇  | 3212-6   | Screw, HH, 7/16-20 x 1 1/2 .....       | 1    |
| 47   | 1-513051 | Switch, Blade Engagement .....         | 1    |
| 48   | 322-3    | Screw, HH 5/16-18 x 3/4 .....          | 4    |
| 49   | 3290-500 | Screw, PPH #10-24 x 5/8 .....          | 2    |
| 50   | 1-633181 | Plate, Tapped .....                    | 1    |
| 51   | 103-1606 | Asm Shift Lever, W/Grip .....          | 1    |
| 52   | 103-1733 | Grip .....                             | 1    |
| 53   | 302-19   | Zerk, 1/4-28 Str .....                 | 2    |
| 54   | 1-323379 | Washer, Shifter Lever .....            | 1    |
| 55◇  | 1-803310 | Setscrew, 5/16-18 x 3/8 Cuppoint ..... | 2    |
| 56   | 103-2587 | Adapter, Oil Drain (KAW) .....         | 1    |

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

Exmark black touch up spray paint – Gloss black.

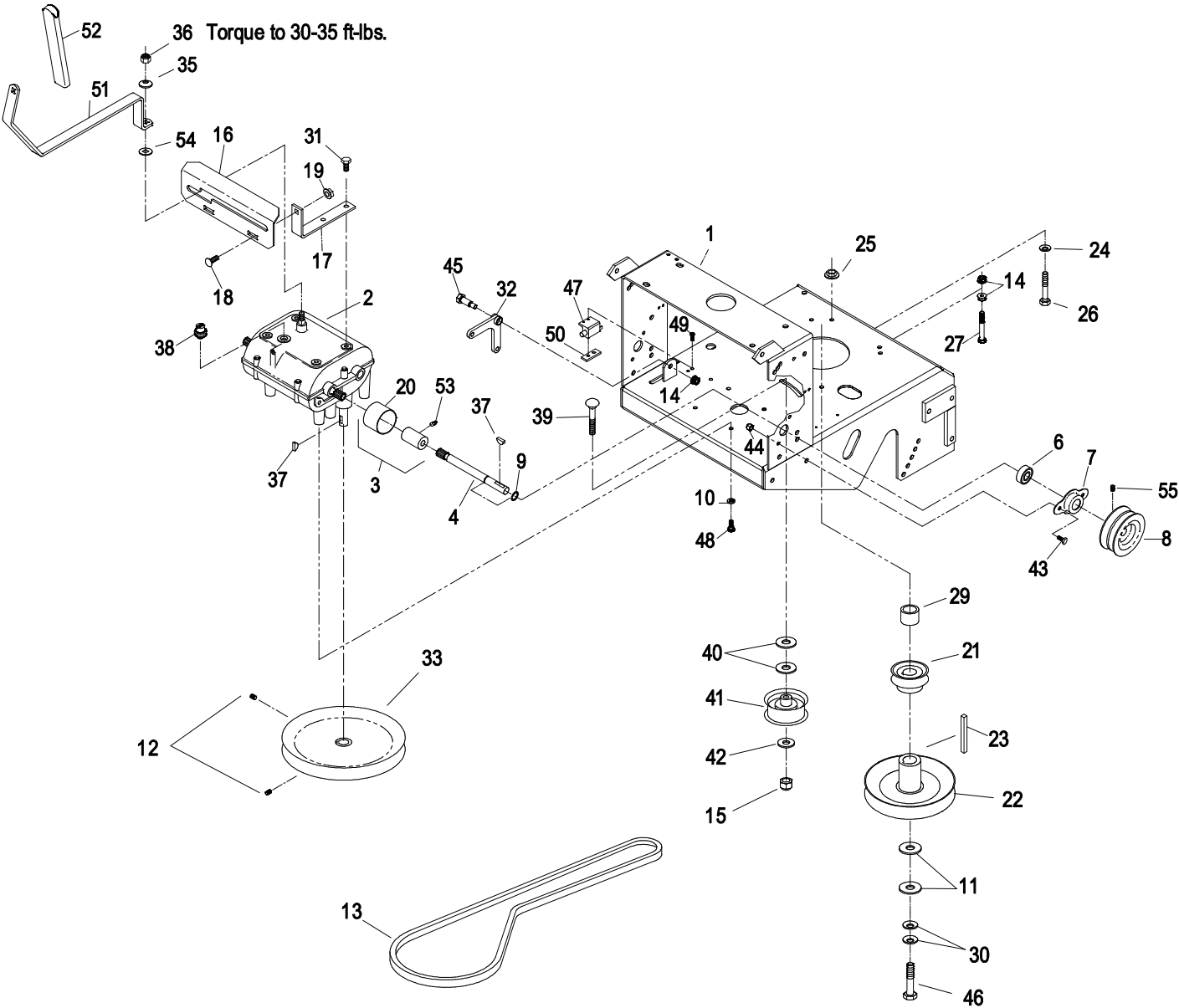
◇ Use Pro-lock (Nut type) Part No. 1-840022 (.5ml tube) on setscrew threads and on sheave retaining bolt in engine crankshaft.

+

Apply anti-seize compound to bore of blade drive and transmission drive sheaves on engine, drive sheave on transmission, and bearings and sheaves on transmission output shafts.

▲ Use Teflon Pipe Sealant (or equivalent) on all pipe threads, except cap.

# ENGINE DECK GROUP



**Oil Drain  
Kawasaki Engines**

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**Oil Drain  
Kohler Engines**

34 28 5

## ENGINE DECK GROUP (cont.)

| Item | Part No.    | Description                              | Qty. |
|------|-------------|------------------------------------------|------|
| 1    | 103-1611-03 | Wld, Brake Arm .....                     | 2    |
| 2    | 302-19      | Zerk, 1/4-28 Straight .....              | 4    |
| 3    | 1-322117-03 | Wld, Axle (36" & 48" Models) .....       | 1    |
|      | 1-322141-03 | Wld, Axle (32" Model) .....              | 1    |
| 4    | 2412-104    | Clip, Loom .....                         | 2    |
| 5    | 103-1615-03 | Wld, Idler Arm (LH) .....                | 1    |
| 6◇   | 1-806003    | Hairpin, Cotter #2 .....                 | 4    |
| ■    | 1-806003    | Hairpin, Cotter #2 .....                 | 2    |
| 7    | 103-1616-03 | Wld, Idler Arm (RH) .....                | 1    |
| 8■   | 32151-47    | Klipring (For 3/8 Shaft) .....           | 6    |
| ◇    | 32151-47    | Klipring (For 3/8 Shaft) .....           | 4    |
| 9    | 1-323288    | Belt, Wheel Drive (36"&48" Models) ..... | 2    |
|      | 1-323344    | Belt, Wheel Drive (32" Model) .....      | 2    |
| 10   | 32128-20    | Nut, Whizlock 5/16-18 .....              | 4    |
| 11   | 1-323262    | Band, Brake .....                        | 2    |
| 12   | 1-322125    | Wld, Brake Linkage Swivel .....          | 2    |
| 13   | 1-412358    | Wld, Scraper (36"&48" Models) .....      | 2    |
|      | 1-603430    | Scraper (32" Model) .....                | 2    |
| 14   | 3296-29     | Nut, Nyloc 5/16-18 .....                 | 4    |
| 15   | 1-323277    | Pulley, Idler (36"&48" Models) .....     | 2    |
|      | 1-323352    | Pulley, Idler (32" Model) .....          | 2    |
| 16   | 322-6       | Screw, HH 5/16-18 x 1 1/4 .....          | 2    |
| 17   | 99-8664     | Screw, HH 3/8-16 x 3 Tapping .....       | 2    |
| 18   | 3290-357    | Nut, Whizlock 3/8-16 .....               | 14   |
| 19   | 3296-39     | Nut, Nyloc 3/8-16 .....                  | 4    |
| 20   | 1-323287-01 | Shield, Wheel Drive .....                | 2    |
| 21   | 1-323283    | Spacer .....                             | 4    |
| 22   | 1-603402    | Spring, Drive .....                      | 2    |
| 23■  | 1-323548    | Linkage, Brake .....                     | 2    |
| ◇    | 103-1619    | Linkage, Brake (LH) .....                | 1    |
| ◇    | 103-1620    | Linkage, Brake (RH) .....                | 2    |
| 24   | 1-513959    | Wingnut, Nyloc 5/16-18 .....             | 2    |

| Item | Part No. | Description                               | Qty.      |
|------|----------|-------------------------------------------|-----------|
| 25   | 323-39   | Screw, HH 5/8-16 x 5 .....                | 4         |
| 26   | 1-523157 | Spacer, Wheel (14 Ga.) .....              | As Req'd. |
|      | 1-543436 | Spacer, Wheel (18 Ga.) .....              | As Req'd. |
| 27   | 98-5975  | Washer, Spring Disk 3/8 .....             | 4         |
| 28   | 1-323307 | Pin, Clevis 3/8 .....                     | 2         |
| 29   | 1-803051 | Pushnut, 3/8 .....                        | 2         |
| 30■  | 103-1864 | Swivel, Short Adjust .....                | 2         |
| ◇    | 103-1618 | Swivel, Short Adjust .....                | 2         |
| 31   | 323-6    | Screw, HH 3/8-16 x 1 .....                | 4         |
| 32   | 1-324367 | Wheel, Drive (36"&48" Models) .....       | 2         |
|      | 1-324193 | Wheel, Drive (32" Model) .....            | 2         |
| 33   | 1-323253 | Sheave (36" & 48" Model) .....            | 4         |
|      | 1-323349 | Sheave (32" Model) .....                  | 2         |
| 34   | 1-323260 | Spacer, Sheave (36" & 48" Model) .....    | 8         |
| 35   | 1-323261 | Drum, Brake .....                         | 2         |
| 36   | 1-323719 | Asm, Wheel & Tire (36"&48" Models) .....  | 2         |
|      | 1-323346 | Asm, Wheel & Tire (32" Model) .....       | 2         |
| 37   | 1-323720 | Tire, 13 x 6.50-6 (4-Ply) (36"&48") ..... | 1         |
|      | 1-323361 | Tire, 13 x 5.00-6 (4-Ply) (32") .....     | 1         |
| 38   | 1-323328 | Asm, Wheel & Hub W/Brgs (36"&48") .....   | 1         |
|      | 1-323360 | Asm, Wheel & Hub W/Brgs (32") .....       | 1         |
| 39   | 1-323329 | Bearing, Flanged .....                    | 4         |
| 40   | 322-5    | Screw, HH 5/16-18 x 1 (32") .....         | 8         |
|      | 322-7    | Screw, HH 5/16-18 x 1 1/2 (36"&48") ..... | 8         |
| 41   | 1-805005 | Washer, Spring Disk 5/16 .....            | 8         |
| 42   | 32120-47 | E-Ring (For 1/2" Shaft) .....             | 2         |
| 43■  | 1-323245 | Spring, Compression .....                 | 2         |
| 44   | 1-808519 | E-Ring (For 1" Shaft) .....               | 2         |
| 45   | 1-373034 | Washer, Swivel (32" Model Only) .....     | 4         |
| 46■  | 3256-23  | Washer, 5/16 SAE .....                    | 4         |
| 47   | 98-3259  | Shield, Trailing .....                    | 1         |
| 48   | 322-3    | Screw, HH 5/16-18 x 3/4 .....             | 2         |

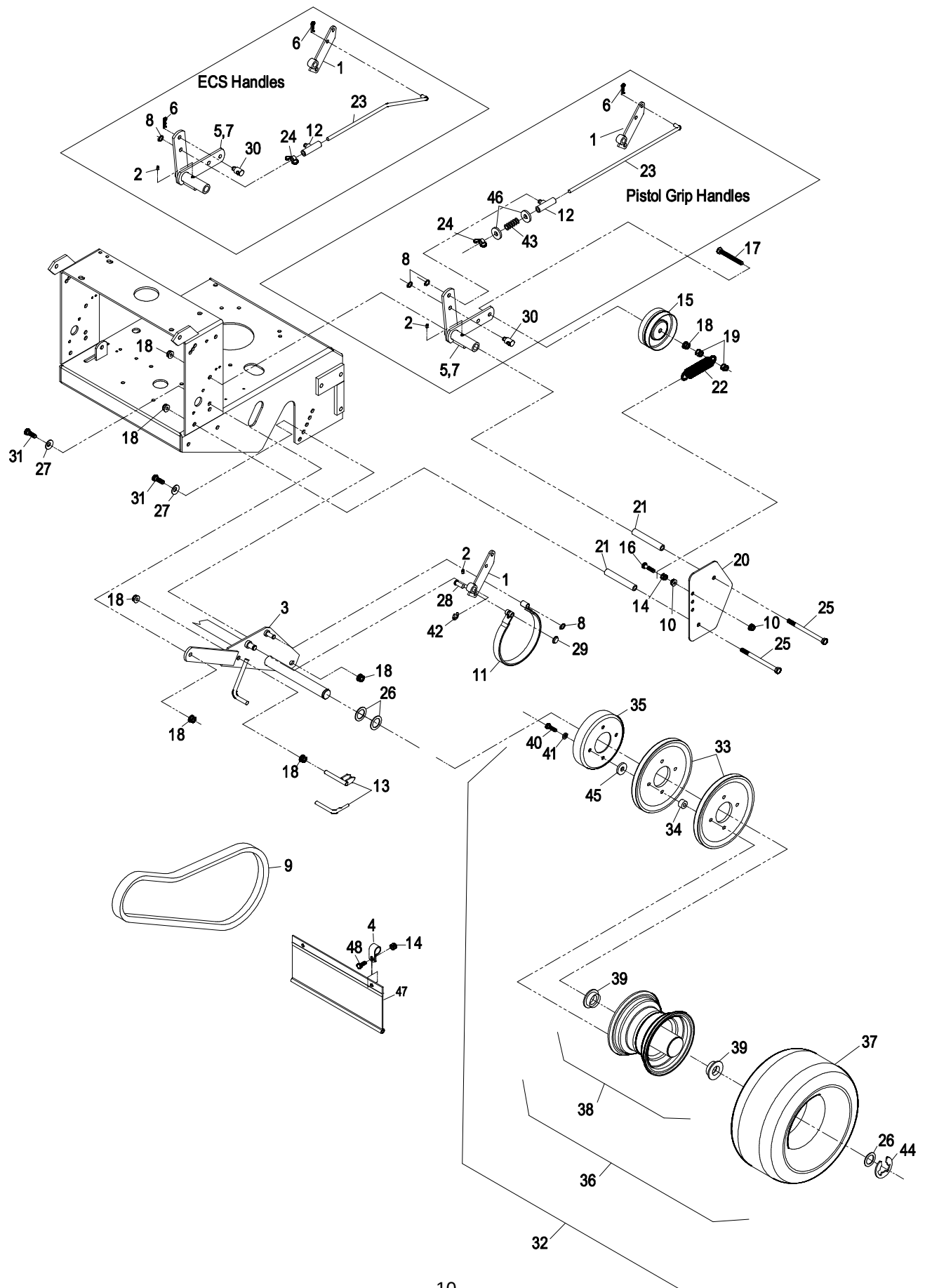
Exmark red touch up spray paint - P/N 1-850337.

Exmark black touch up spray paint – Gloss black.

◇ For units with ECS handles only.

■ For units with pistol grip handles only.

# ENGINE DECK GROUP (cont.)



## PISTOL GRIP UPPER HANDLES and CONTROLS

| Item | Part No.    | Description                         | Qty. |
|------|-------------|-------------------------------------|------|
| 1    | 103-0211    | Handle (1-322227-03) W/Decals.....  | 1    |
| 2    | 1-303097    | Grip, Handle .....                  | 2    |
| 3*   | 1-324279    | Latch W/Grip (LH).....              | 1    |
| 4    | 1-303019    | Grip, Latch.....                    | 2    |
| 5    | 1-302006    | Drive Lever W/Grip.....             | 2    |
| 6    | 1-303021    | Grip, Drive Lever .....             | 2    |
| 7    | 1-324280    | Latch W/Grip (RH) .....             | 1    |
| 8    | 1-323229    | Clip, Loom 3/8 .....                | 1    |
| 9    | 1-303435    | Washer, Spring Disk 1/4 .....       | 6    |
| 10   | 1-323359    | Linkage, Wheel Drive.....           | 2    |
| 11   | 3296-42     | Nut, Nyloc 1/4-20.....              | 3    |
| 12   | 3256-22     | Washer, 1/4 SAE .....               | 1    |
| 13   | 321-18      | Screw, HH 1/4-20 x 2 1/4.....       | 2    |
| 14   | 1-323322    | Cable, Throttle (KOH) .....         | 1    |
|      | 1-633696    | Cable, Cable (KAW) .....            | 1    |
| 15   | 1-513592    | Knob, (Red Ball) .....              | 1    |
| 16   | 1-303287    | Tie, Plastic 5 1/2".....            | 5    |
| 17   | 3296-39     | Nut, Nyloc 3/8-16.....              | 5    |
| 18   | 3296-2      | Nut, Nyloc 10-24.....               | 2    |
| 19   | 1-807513    | Bolt, Carriage 10-24 x 1/2.....     | 2    |
| 20   | 1-806003    | Cotter, Hairpin .....               | 4    |
| 21   | 1-808250    | Pin, Clevis 3/16 x 1 3/4.....       | 2    |
| 22   | 1-803001    | Palnut, 3/16 .....                  | 2    |
| 23   | 1-806340    | Rollpin, 5/16 x 1.....              | 2    |
| 24   | 1-323549    | Spacer.....                         | 2    |
| 25●  | 1-412185-03 | Lever, OPC (RH) .....               | 1    |
| 26◇  | 1-803322    | Setscrew, 5/16-24 x 5/16 .....      | 2    |
| 27●  | 1-412183-03 | Lever, OPC (LH).....                | 1    |
| 28   | 323-6       | Screw, HH 3/8-16 x 1.....           | 4    |
| 29   | 1-303365    | Bushing, Nylon .....                | 2    |
| 30   | 1-322192-03 | Rod, Connecting.....                | 1    |
| 31   | 1-403121    | Switch, Key (KAW) .....             | 1    |
|      | 1-603511    | Key, Ignition (KAW) .....           | 1    |
|      | 103-2106    | Key, Exmark Logo (KAW).....         | 1    |
| 32   | 1-303363    | Spring, Actuator.....               | 1    |
| 33   | 1-805004    | Washer, Lock 1/4 Heavy (KAW) .....  | 1    |
| 34   | 1-603954    | Line, Fuel Line, 13.75" (KOH) ..... | 1    |
| 35   | 1-303088    | Clip, Cable .....                   | 1    |
| 36   | 1-303160    | Spring, Compression .....           | 1    |
| 37   | 3256-23     | Washer, 5/16 SAE .....              | 4    |

| Item | Part No.        | Description                            | Qty. |
|------|-----------------|----------------------------------------|------|
| 38   | 1-323298        | Linkage, Blade Drive .....             | 1    |
| 39   | 1-322157        | Engagmt. Lever, Blade W/Grip .....     | 1    |
| 40   | 1-303020        | Grip, Lever .....                      | 1    |
| 41   | 3256-4          | Washer, 3/8 Std.....                   | 2    |
| 42   | 323-10          | Screw, HH 3/8-16 x 2 .....             | 1    |
| 43   | 1-303335        | Tie, Plastic Large (KAW) .....         | 1    |
| 44   | 103-2893        | Tank, Fuel W/Fitting .....             | 1    |
| 45   | 103-2107        | Cap, Fuel Tank.....                    | 1    |
| 46   | 1-808286        | Pin, Clevis .....                      | 2    |
| 47◇  | 103-2605        | Fitting, Fuel Bulkhead W/Screen .....  | 1    |
| 48   | 103-0498        | Nut, Ignition Switch (KAW) .....       | 1    |
| 49   | 1-303077        | Clamp, Fuel Line (KAW).....            | 4    |
|      | 1-303077        | Clamp, Fuel Line (KOH) .....           | 6    |
| 50   | 321-4           | Screw, HH 1/4-20 x 3/4 .....           | 1    |
| 51   | 1-603955        | Line, Fuel 6" (KAW).....               | 1    |
| 52   | 1-323430        | Interlock, OPC .....                   | 1    |
| 53   | 1-303197        | Filter, Fuel (KOH) .....               | 1    |
| 54   | 1-603776        | Line, Fuel 2.5" (KOH) .....            | 1    |
| 55   | 1-543296        | Grommet .....                          | 1    |
| 56   | 1-603770        | Valve, Fuel .....                      | 1    |
| 57   | 33113-016       | Screw, HH M6-16 x 1(KAW).....          | 1    |
| 58   | <b>Kawasaki</b> | PN 41019-1055 W/6" Fuel Line (KAW) ... | 1    |
| 59   | 1-603955        | Line, Fuel 6" (KOH) .....              | 1    |
| 60   | 103-1640        | Harness, Wiring (KOH).....             | 1    |
|      | 103-1610        | Harness, Wiring (KAW) .....            | 1    |
| 61●  | 1-633023        | Stud, Gas Tank .....                   | 2    |
| 62   | 1-633349        | Spring, Gas Tank .....                 | 2    |
| 63   | 1-513051        | Switch .....                           | 1    |
| 64   | 1-633181        | Plate, Tapped.....                     | 1    |
| 65   | 3290-500        | Screw, PPH #10-24 x 5/8 .....          | 2    |
| 66   | 1-805005        | Washer, Lock 5/16 .....                | 2    |
| 67   | 3296-47         | Nut, Nyloc 5/16-18.....                | 2    |
| 68   | 322-3           | Screw, 5/16-18 x 3/4.....              | 2    |
| 69   | 32128-33        | Nut, Whizlock 1/4-20 (KAW).....        | 2    |
| 70   | 103-1796        | Cable, Choke (KAW) .....               | 1    |
| 71   | 103-1797-01     | Bracket, Choke Cable (KAW) .....       | 1    |
| 72   | 321-3           | Screw, HH1/4-20 x 5/8 (KAW) .....      | 2    |
| 73   | 1-303022        | Line, Fuel 8.5" (KAW).....             | 1    |
| 74   | 1-413510        | Clip, Loom 1/2" (KAW).....             | 1    |
| 75   | 33114-016       | Screw, HH M8-16 x 1.25 (KAW) .....     | 1    |

NOTE: Use dielectric grease on all electrical connections.

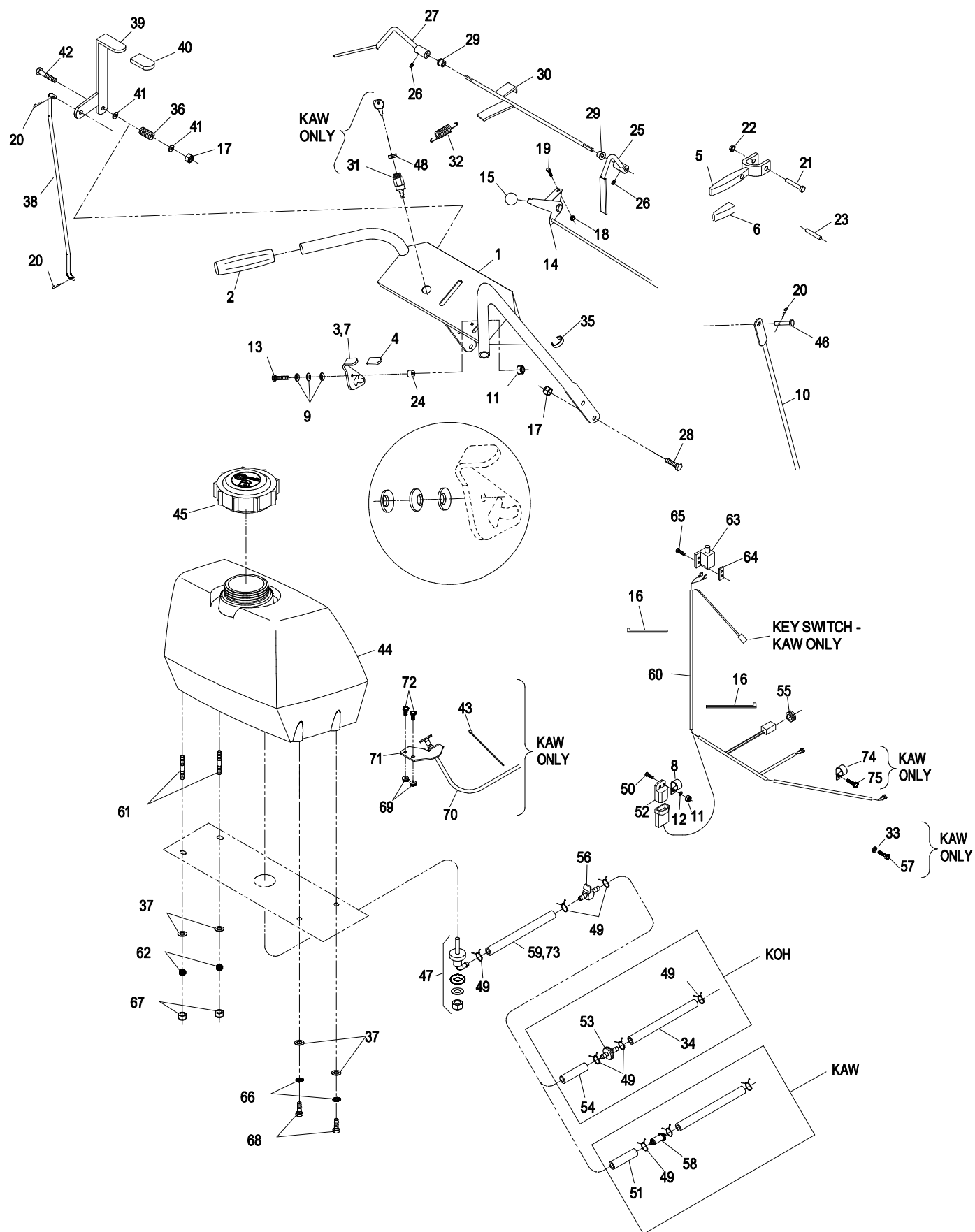
Exmark black touch up spray paint – Gloss black.

\* Not illustrated.

◇ Use Pro-lock (Nut type) Part No. 1-840022 (.5 ml tube) on setscrew threads, and on fuel tank fitting.

● Use Pro-lock (Retaining) Part No. 1-840023 (.5 ml tube) on inside of bore of OPC hub and on fuel tank studs going into tank.

# PISTOL GRIP UPPER HANDLES and CONTROLS



## ECS UPPER HANDLES and CONTROLS

| Item | Part No.        | Description                          | Qty. |
|------|-----------------|--------------------------------------|------|
| 1◇   | 103-1566-03     | Wld, Lever, OPC (LH).....            | 1    |
| 2    | 1-303365        | Bushing, Nylon .....                 | 2    |
| 3◆   | 1-803322        | Setscrew, 5/16-24 x 5/16 .....       | 2    |
| 4    | 103-0769-03     | Wld, OPC Rod .....                   | 1    |
| 5    | 1-303363        | Spring, Actuator .....               | 1    |
| 6    | 1-513592        | Knob, (Red Ball) .....               | 1    |
| 7    | 1-807513        | Bolt, Carriage 10-24 x 1/2 .....     | 2    |
| 8    | 3296-2          | Nut, Nyloc #10-24 .....              | 2    |
| 9    | 1-633696        | Cable, Throttle Control (KAW) .....  | 1    |
|      | 1-323322        | Cable, Throttle Control (KOH).....   | 1    |
| 10◇  | 103-1567-03     | Wld, OPC Lever (RH) .....            | 1    |
| 11   | 1-303020        | Grip, Lever.....                     | 1    |
| 12   | 103-1629        | Lever, Clutch W/Grip .....           | 1    |
| 13   | 3296-29         | Nut, Nyloc 5/16-18 .....             | 2    |
| 14   | 3256-4          | Washer, 3/8 Std.....                 | 1    |
| 15   | 103-0027        | Spacer.....                          | 2    |
| 16   | 1-806003        | Cotter, Hairpin .....                | 2    |
| 17   | 103-1627        | Linkage, Upper .....                 | 1    |
| 18   | 103-1604        | Linkage, Wheel Drive.....            | 2    |
| 19   | 1-543296        | Grommet .....                        | 1    |
| 20   | 103-0815        | Grip, Handle .....                   | 2    |
| 21   | 1-303435        | Washer, Spring Disk 1/4 .....        | 6    |
| 22   | 103-1631        | Latch, Thumb (LH) (Not Shown) .....  | 1    |
|      | 103-1630        | Latch, Thumb (RH) .....              | 1    |
| 23   | 3296-42         | Nut, Nyloc 1/4-20.....               | 1    |
| 24   | 103-0770-03     | Wld, Handle.....                     | 1    |
| 25   | 1-303088        | Clip, Cable.....                     | 1    |
| 26   | 323-6           | Screw, HH 3/8-16 x 1.....            | 4    |
| 27   | 103-2107        | Cap, Fuel Tank .....                 | 1    |
| 28   | 103-2893        | Tank, Fuel W/Fitting.....            | 1    |
| 29◇  | 1-633023        | Stud.....                            | 2    |
| 30   | 1-633349        | Spring, Fuel Tank .....              | 2    |
| 31   | 1-805005        | Washer, Lock 5/16 Heavy.....         | 2    |
| 32   | 3296-47         | Nut, Nyloc 5/16-18 .....             | 2    |
| 33   | 322-3           | Screw, HH 5/16-18 x 3/4.....         | 2    |
| 34◆  | 103-2605        | Fitting, Fuel Bulkhead W/Screen..... | 1    |
| 35   | 103-0498        | Nut, Ignition Switch (KAW).....      | 1    |
| 36   | 1-303077        | Clamp, Fuel Line (KAW) .....         | 4    |
|      | 1-303077        | Clamp, Fuel Line (KOH).....          | 6    |
| 37   | 1-603955        | Hose, Fuel Line 6" (KOH) .....       | 1    |
| 38   | 1-603770        | Valve, Fuel .....                    | 1    |
| 39   | 1-805004        | Washer, Lock 1/4 Heavy (KAW) .....   | 1    |
| 40   | <b>Kawasaki</b> | PN 41019-1055 W/6" Fuel Line.....    | 1    |
| 41   | 103-1640        | Harness, Wiring (KOH) .....          | 1    |
|      | 103-1610        | Harness, Wiring (KAW).....           | 1    |
| 42   | 3256-22         | Washer, 1/4 SAE .....                | 1    |
| 43   | 321-4           | Screw, HH 1/4-20 x 3/4.....          | 1    |

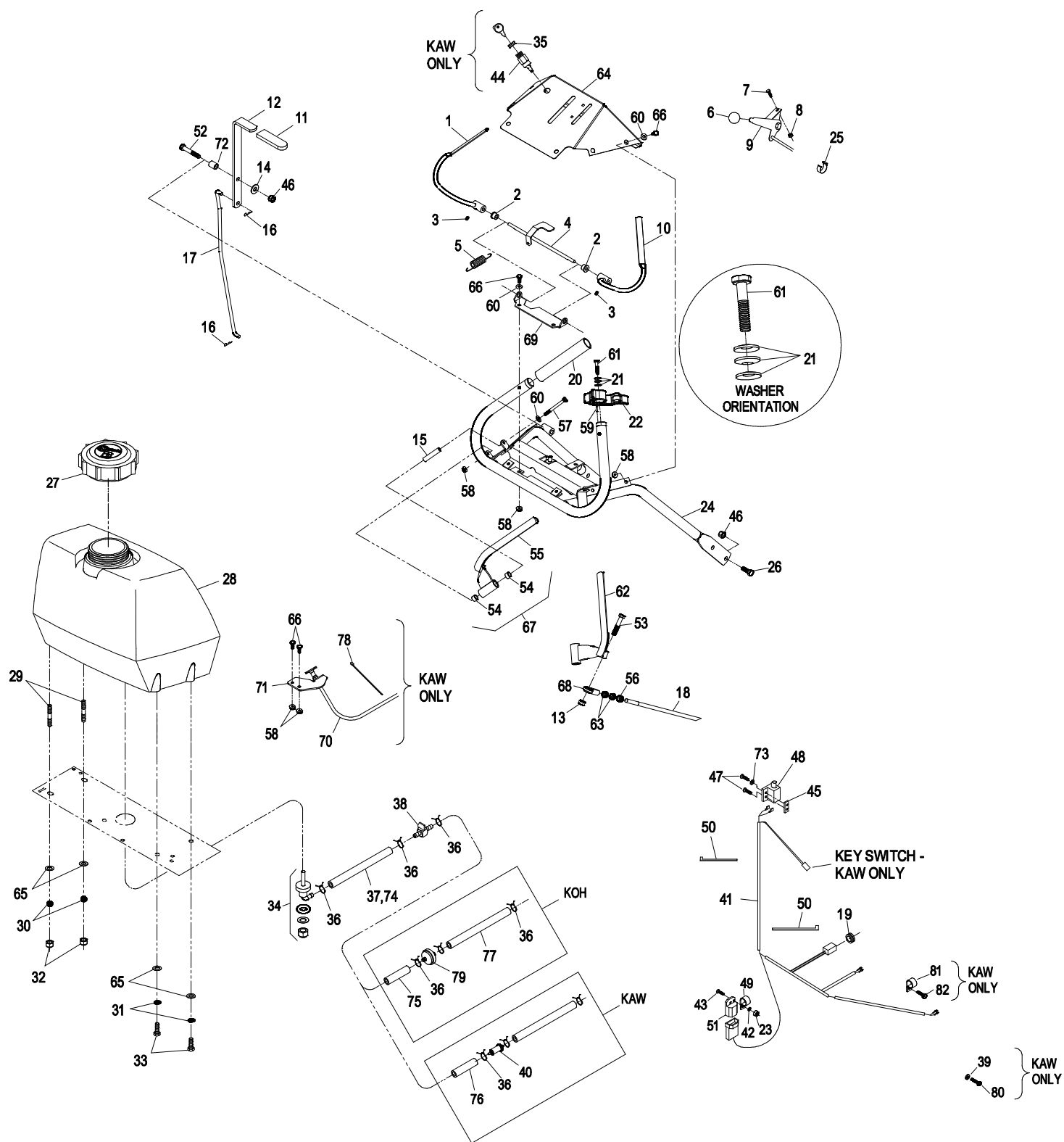
| Item | Part No.    | Description                         | Qty. |
|------|-------------|-------------------------------------|------|
| 44   | 1-403121    | Switch, On/Off (KAW).....           | 1    |
|      | 1-603511    | Key, Ignition (KAW) .....           | 1    |
|      | 103-2106    | Key, Exmark Logo (Kaw) .....        | 1    |
| 45   | 1-633181    | Plate, Tapped .....                 | 1    |
| 46   | 3296-39     | Nut, Nyloc 3/8-16.....              | 5    |
| 47   | 3290-500    | Screw, PPH #10-24 x 5/8 .....       | 2    |
| 48   | 1-513051    | Switch, Neutral Lockout.....        | 1    |
| 49   | 1-323229    | Clip, Loom 3/8 .....                | 1    |
| 50   | 1-303287    | Tie, Plastic 5 1/2" .....           | 6    |
| 51   | 1-323430    | Module, Wiring Harness .....        | 1    |
| 52   | 323-14      | Screw, HH 3/8-16 x 3 .....          | 1    |
| 53   | 322-9       | Screw, HH 5/16-18 x 1 3/4.....      | 2    |
| 54   | 1-413152    | Bearing.....                        | 4    |
| 55   | 103-2466-03 | Lever, Drive (LH) .....             | 1    |
| 56   | 3219-3      | Nut, Hex 3/8-24 .....               | 2    |
| 57   | 321-14      | Screw, HH 1/4-20 x 2 3/4.....       | 2    |
| 58   | 32128-33    | Nut, Whizlock 1/4-20 (KAW) .....    | 12   |
|      | 32128-33    | Nut, Whizlock 1/4-20 (KOH) .....    | 10   |
| 59   | 103-0464    | Pin, Spring 1/8 x 1/2 .....         | 2    |
| 60   | 3256-22     | Washer, 1/4 SAE .....               | 10   |
| 61◆  | 103-0235    | Screw, 1/4-20 x 1 1/8 W/Nylon ..... | 2    |
| 62   | 103-2465-03 | Lever, Drive (RH) .....             | 1    |
| 63   | 3220-3      | Nut, Jam 3/8-24.....                | 4    |
| 64   | 103-2764    | Asm, Console (103-0546-03)          |      |
|      |             | W/Decals (KOH).....                 | 1    |
|      | 103-2765    | Asm, Console (103-0546-03).....     | 1    |
|      |             | W/Decals (KAW) .....                |      |
| 65   | 3256-23     | Washer, 5/16 SAE .....              | 4    |
| 66   | 321-3       | Screw, HH 1/4-20 x 5/8 (KAW) .....  | 10   |
|      | 321-3       | Screw, HH 1/4-20 x 5/8 (KOH).....   | 8    |
| 67   | 103-2513    | Asm, Drive Lever (RH) .....         | 1    |
|      | 103-2514    | Asm, Drive Lever (LH) .....         | 1    |
| 68   | 103-2463    | Joint, .375 Ball End.....           | 2    |
| 69   | 103-0489-03 | Bracket, OPC Axle .....             | 1    |
| 70   | 103-1796    | Cable, Choke Push/Pull (KAW) .....  | 1    |
| 71   | 103-1797-01 | Bracket, Choke Cable (KAW) .....    | 1    |
| 72   | 1-633080    | Bushing .....                       | 1    |
| 73   | 3256-14     | Washer, #10 Std.....                | 1    |
| 74   | 1-303022    | Hose, Fuel Line 8.5" (KAW).....     | 1    |
| 75   | 1-603776    | Hose, Fuel Line 2.5" (KOH) .....    | 1    |
| 76   | 1-603955    | Hose, Fuel Line 6" (KAW).....       | 1    |
| 77   | 1-603954    | Hose, Fuel Line 13.75" (KOH) .....  | 1    |
| 78   | 1-303335    | Tie, Plastic 7 5/16" (KAW) .....    | 1    |
| 79   | 1-303197    | Filter, Fuel (KOH) .....            | 1    |
| 80   | 33113-016   | Screw, HH M6-16 x 1(KAW) .....      | 1    |
| 81   | 1-413510    | Clip, Loom 1/2" (KAW).....          | 1    |
| 82   | 33114-016   | Screw, HH M8-16 x1.25 (KAW).....    | 1    |

NOTE: Use dielectric grease on all electrical connections.

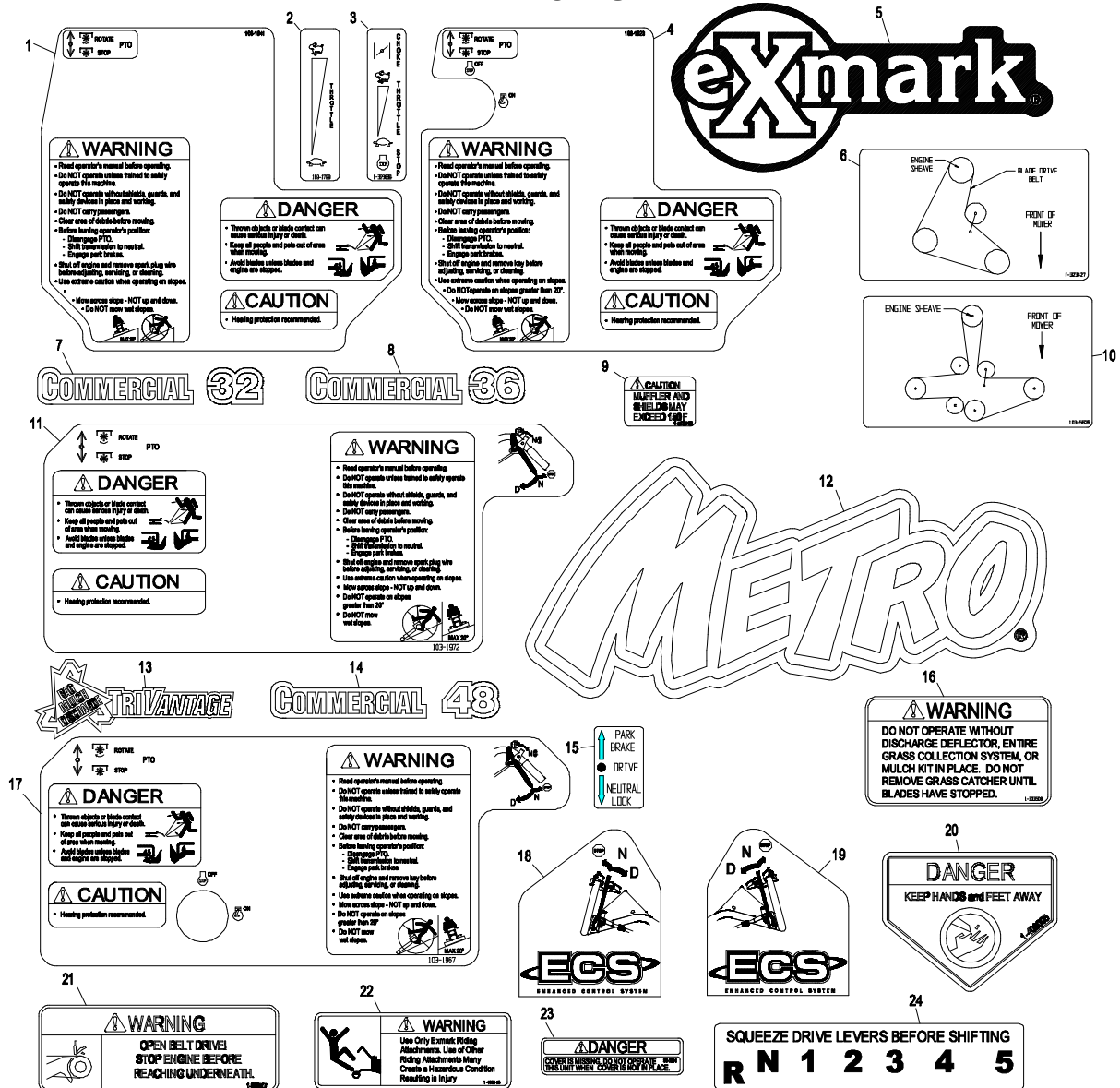
Exmark black touch up spray paint – Gloss black.

- ◆ Use Pro-lock (Nut type) Part No. 1-840022 (.5 ml tube) on setscrew threads, thumb latch screws and on fuel tank fitting.
- ◇ Use Pro-lock (Retaining) Part No. 1-840023 (.5 ml tube) on inside of bore of OPC hub and on fuel tank studs going into tank.

# ECS UPPER HANDLES and CONTROLS



# DECALS



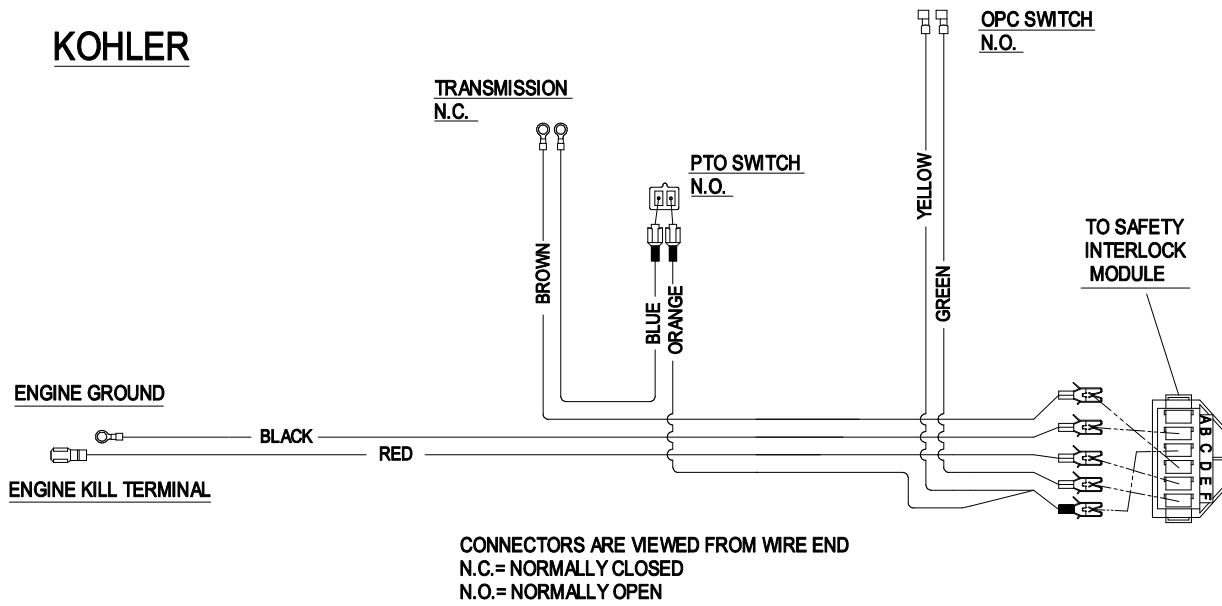
| Item | Part No. | Description                           | Qty. |
|------|----------|---------------------------------------|------|
| 1●   | 103-1641 | Decal, Console (KOH) .....            | 1    |
| 2    | 103-1798 | Decal, Throttle (KAW) .....           | 1    |
| 3    | 1-323689 | Decal, Throttle (KOH) .....           | 1    |
| 4●   | 103-1623 | Decal, Console (KAW) .....            | 1    |
| 5    | 103-2882 | Decal, Exmark Logo .....              | 1    |
| 6    | 1-323427 | Decal, Belt Routing (32" & 36") ..... | 1    |
| 7    | 1-323410 | Decal, Commercial (32") .....         | 1    |
| 8    | 1-323411 | Decal, Commercial (36") .....         | 1    |
| 9    | 1-513746 | Decal, Muffler .....                  | 1    |
| 10   | 103-5626 | Decal, Belt Routing (48") .....       | 1    |
| 11★  | 103-1972 | Decal, Console (KOH) .....            | 1    |
| 12   | 103-2920 | Decal, Metro Model .....              | 1    |
| 13   | 1-303520 | Decal, TriVantage .....               | 1    |

- ★ Pistol Grip units only.
- ECS units only.

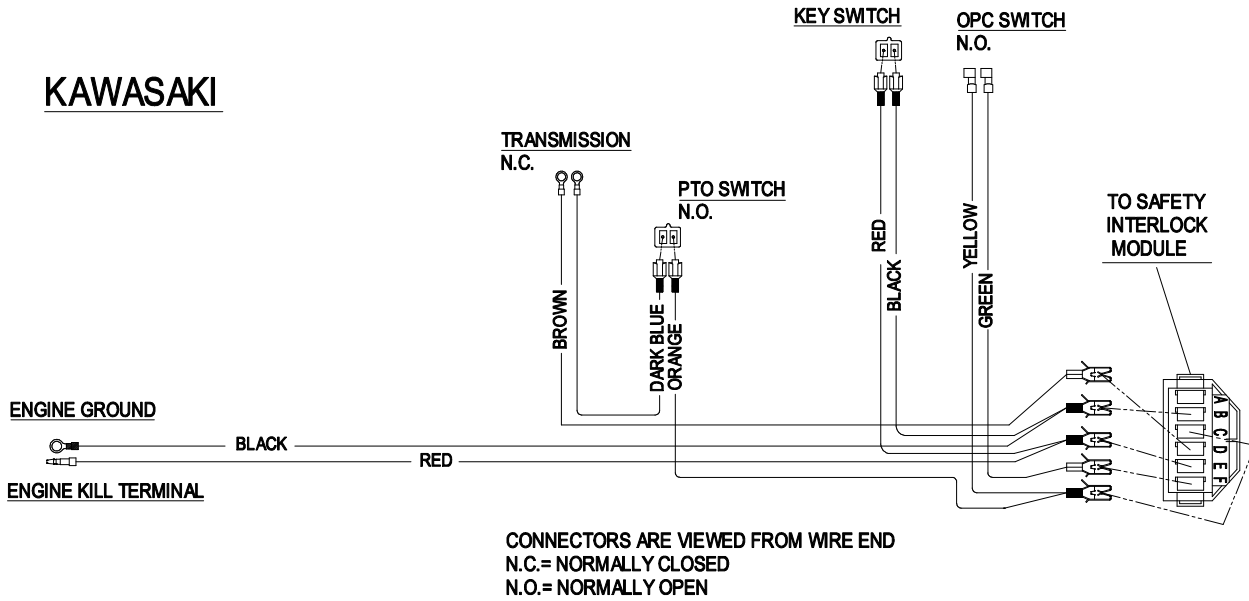
| Item | Part No. | Description                       | Qty. |
|------|----------|-----------------------------------|------|
| 14   | 1-403131 | Decal, Commercial (48") .....     | 1    |
| 15★  | 1-323550 | Decal, Neutral/Brake .....        | 2    |
| 16   | 1-303508 | Decal, Discharge Warning .....    | 1    |
| 17★  | 103-1967 | Decal, Console (KAW) .....        | 1    |
| 18●  | 103-2245 | Decal, ECS Instruction (RH) ..... | 1    |
| 19●  | 103-2244 | Decal, ECS Instruction (LH) ..... | 1    |
| 20   | 1-403005 | Decal, Danger (32" & 36") .....   | 1    |
|      | 1-403005 | Decal, Danger (48") .....         | 2    |
| 21   | 1-303517 | Decal, Belt Drive .....           | 1    |
| 22   | 1-403143 | Decal, Sulky Warning .....        | 1    |
| 23   | 98-5954  | Decal, Missing Cover .....        | 1    |
| 24   | 1-303518 | Decal, Shifter .....              | 1    |
|      | 103-2640 | Decal, Kit .....                  | 1    |

# WIRING DIAGRAMS

## KOHLER



## KAWASAKI



## NOTES

## SERVICE RECORD

[illegible]

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