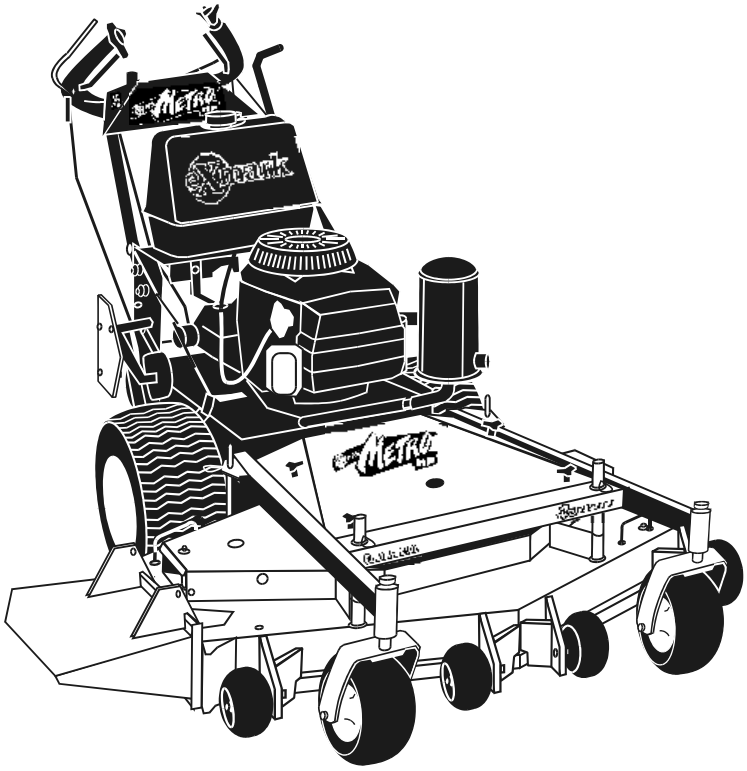
For Serial Nos. 370,000 & Higher

eXmark® MFG. CO. INC.



PARTS MANUAL

METRO® HP

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 next to the fuel tank on the top left hand side of the fuel tank support. 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 _____

Part No. 103-2996

EXMARK PARTS PLUS® PROGRAM

EFFECTIVE DATE: September 1, 1995



Program

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

How the Program Works

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

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

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

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

⚠ 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	1-414435	Shield, belt w/decals	1
	1-413098-01	Shield, belt	1
2	1-323385	Knob, belt shield	4
3	1-323417	Washer, belt shield	4
4	1-414309	Support wld w/bushings&decals	1
	1-412108-01	Support weldmemt	1
5	1-413425	Spacer, Front Deck Support	2
6	1-513336	Bushing, deck support	2
7	302-61	Zerk, 45 degree 1/4-28	2
8	1-323539	Spacer	2
9	1-413525	Link, Deck Support	2
10	323-7	Screw, Hex Cap 3/8-16 x 1 1/4	8
11	3219-3	Nut, Reg Hex 3/8-24	2
12	32120-33	Ring, Retaining	2
13	1-806009	Hairpin, Cotter .177 #206	4
14	302-52	Zerk, Straight 1/8	2
15	323-6	Screw, Hex Cap 3/8-16x1	2
16	3253-5	Washer, 3/8 heavy spring	2
17	1-373034	Washer, Swivel.	3
18	1-303514	Bearing, Flange	4
19	3217-9	Nut, Reg Hex 1/2-13	2
20	3253-7	Washer, Lock Hlcl Spg 1/2 Reg	2
21	1-522143-01	Caster weldment	2
22	325-20	Screw, Hex Cap 1/2-13x6	2
23	3290-357	Nut, Whizlock 3/8-16	12
24	98-5975	Washer, Disc Spring 3/8	11
25	103-1224	Tire & Wheel Asm(semi-pneumatic)	2
	1-513809	Roller Bearing	2
❖	103-2170	Bushing (semi-pneumatic)	4
26■	103-2169	Spacer (semi-pneumatic)	2
27	103-2431-01	Chute weldment, discharge	1
28	1-413094	Belt, deck drive	1
29	1-633151	Spring, extension	1
30	3296-39	Nut, Nyloc 3/8-16	1
31	3256-4	Washer, Flat Std 3/8	1
32	1-513034	Pivot Bearing	2
33	302-40	Zerk, 90 degree 1/4-28	1
34	3234-11	Bolt, Hex Whizlock 3/8-16x1	1
35	3256-24	Washer, Flat 3/8 SAE	2
36	1-413099	Pulley, Idler	1
37	1-412134-03	Arm, weldmt	1
	1-414144	Arm, weldmt w/bushings	1
38	1-603384	Bushing, Idler Pivot	1
39	1-613098	Pulley, Idler	1
40	1-413113	Bushing, Idler	1
41	3296-29	Nut, Nyloc 5/16-18	2
42	32128-20	Nut, Whizlock 5/16-18	3
43	322-5	Screw, Hex Cap 5/16-18 x 1	2
44	1-603001	Rod, Deck Support	2
45	1-806332	Rollpin, 1/4x1 ½	2
46	322-2	Screw, Hex Cap 5/16-18 x 5/8	3
47	1-414383	Deck weldmt w/decals, discharge Baffle & support rods	1
	1-412104-01	Deck weldmt	1
48	1-522480-01	Baffle, discharge	1
49	1-613204	Ball Joint	2
50	323-13	Screw, Hex Cap 3/8-16 x 2 3/4	1
51	1-800805	Screw, Hex Cap 3/8-16 x 3 ½ G8	1
52✪	1-603299	Roller, antiscalp	1
53	1-603602	Bushing, roller	1
54	98-5961	Screw, Hex Cap 3/8-16x4 Gr. 8	1
55	1-603050	Bushing Spacer	2
56	323-9	Screw, hex Cap 3/8-16x1 3/4	2
57▲	1-414521	Link, Assembly	2
58	1-611216	Kit, Link Assembly	2
59	103-0320	Assy, cutting deck complete	1
60	3217-46	Nut, HH ¾-16 heavy	2
61	103-2802	Washer, disc spring 3/4	2
62✚	1-413424	Sheave w/ hub	2
63✚	103-1330	Guard, bearing top	2
64✚	103-2477	Bearing, ball	4
65	103-2534	Spacer, bearing	2
66	32120-8	Ring, snap	2
67	103-2535	Spacer, guard bottom	2
68✚	103-2788	Shaft, spindle	2
69	1-807268	Key, machine	2
70	1-323532	Housing, spindle	2
71	103-2528	Blade, 18.00 notched	2
◆	103-2518	Blade, 18.00 mulching	2
	103-2508	Blade, 18.00 low lift	2
	103-1578	Blade, 18.00 solid	2
72	1-513208	Washer, disc spring 5/8	2
73	103-1026	Screw, HH 5/8-11 x 1 G8	2
74	103-2547	Cutter Housing Assembly	2
75✲	103-3207	Cutter Housing Complete	2
76☐	103-2171	Kit,semi-pneumatic wheel replacement	1

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

◆ Requires installation of Micro-Mulch accessory for proper mulching. Mulch kit P/N MK363(36")

▲ Link assembly nominal length is 6.89" (or approximately 6 7/8") between center of ball joint and center of furthest hole. See diagram on next page. Initially adjust both links to this dimension, then adjust to where both links are equally supporting rear of mower deck by lengthening one link and shortening the other by an equal amount.

❖ Bushing for semi-pneumatic caster tires can be identified by a groove on the face.

■ Front caster spacer for semi-pneumatic caster tires can be identified by yellow zinc plating.

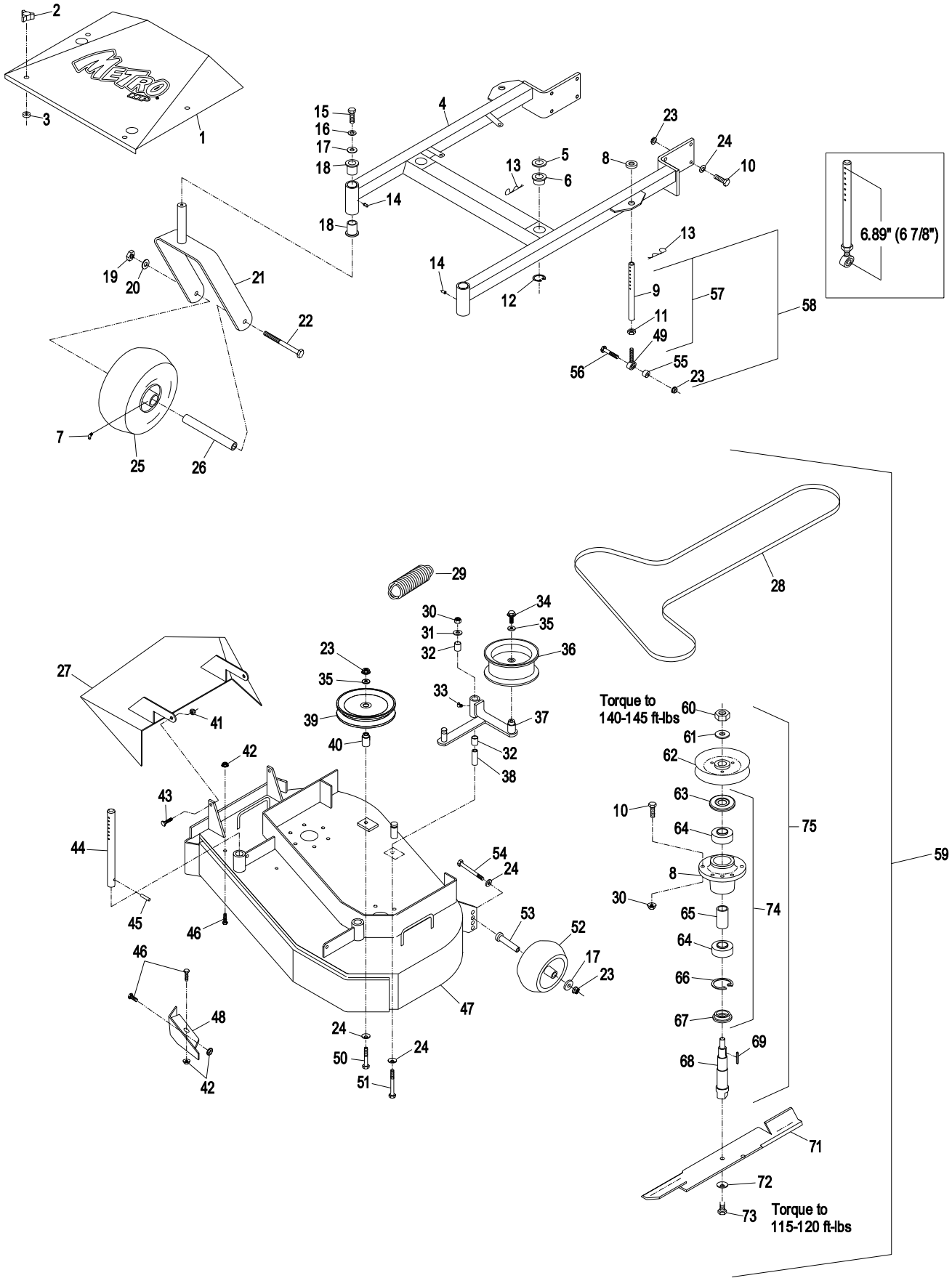
☐ Kit 103-2171 used to install semi-pneumatic casters on machines originally fitted with pneumatic casters. Includes 103-1224 & 103-2169. Order 2 per machine.

✪ Kit 103-3168 includes antiscalp roller, bushing, and mounting hardware.

✚ Apply Mobil HTS grease (or a food-grade antisieze) between the spindles & bearings and spindles & sheaves and under top bearing guard. DO NOT use a copper or nickel based antisieze.

✲ Complete cutting housings also include items 72 & 73

36” MOWER DECK



48" MOWER DECK

Ref. No.	Part No.	Description	Qty. Req'd.
1	1-414436	Shield, belt w/decals	1
	1-413101-01	Shield, belt	1
2	1-323385	Knob, belt shield	4
3	1-323417	Washer, belt cover	4
4	1-414310	Support wld w/bushings & decals	1
	1-412110-01	Support weldmt	1
5	1-413425	Spacer, Front Deck Support	2
6	1-513336	Bushing, deck support	2
7	302-61	Zerk, 45 degree ¼-28	2
8	1-323539	Spacer	2
9	1-413525	Link, Deck Support	2
10	323-7	Screw, Hex Cap 3/8-16 x 1 ¼	26
11	3219-3	Nut, Reg Hex 3/8-24	2
12	32120-33	Ring, Retaining	2
13	1-806009	Hairpin, Cotter .177 #206	4
14	302-52	Zerk, Straight 1/8	2
15	323-6	Screw, Hex Cap 3/8-16x1	2
16	3253-5	Washer, 3/8 heavy spring	2
17	1-373034	Washer, Swivel.	6
18	1-303514	Bearing, Flange	4
19	3217-9	Nut, Reg Hex ½-13	2
20	3253-7	Washer, Lock Hlcl Spg ½ Reg	2
21	1-522143-01	Caster weldment	2
22	325-20	Screw, Hex Cap ½-13x6	2
23	3290-357	Nut, Whizlock 3/8-16	16
24	98-5975	Washer, Disc Spring 3/8	15
25	103-1224	Tire & Wheel Asm (semi pneumatic)	2
	1-513809	Roller Bearing	2
❖	103-2170	Bushing (semi-pneumatic)	4
26■	103-2169	Spacer (semi-pneumatic)	2
27	103-2431-01	Chute weldment, discharge	1
28	1-413093	Belt, deck drive	1
29	1-633151	Spring, extension	1
30	3296-39	Nut, Nyloc 3/8-16	30
31	3256-4	Washer, Flat Std 3/8	1
32	1-513034	Pivot Bearing	2
33	302-40	Zerk, 90 degree ¼-28	1
34	3234-11	Bolt, Hex Whizlock 3/8-16x1	1
35	3256-24	Washer, Flat 3/8 SAE	3
36	1-413099	Pulley, Idler	1
37	1-412394-03	Arm, weldmt	1
	1-414398	Arm, weldmt w/bushings	1
38	1-603384	Bushing, Idler Pivot	1
39	1-613098	Pulley, Idler	2
40	1-413113	Bushing, Idler	2
41	3296-29	Nut, Nyloc 5/16-18	8
42	32128-20	Nut, Whizlock 5/16-18	5
43	322-5	Screw, Hex Cap 5/16-18 x 1	2
44	1-603001	Rod, Deck Support	2
45	1-806332	Rollpin, 1/4x1 1/2	2
46	322-2	Screw, Hex Cap 5/16-18 x 5/8	3
47	1-414384	Deck weldmt w/decals, discharge Baffle & support rods	1
	1-412106-01	Deck weldmt	1
48	1-522480-01	Baffle, discharge	1
49	1-613204	Ball Joint	2
50	323-13	Screw, Hex Cap 3/8-16 x 2 3/4	2
51	1-800805	Screw, Hex Cap 3/8-16 x 3 ½ G8	1
52✪	1-603299	Roller, antiscalp	4
53	1-603602	Bushing, roller	4
54	98-5961	Screw, Hex Cap 3/8-16x4 Gr. 8	4
55	1-603050	Bushing Spacer	2
56	323-9	Screw, hex Cap 3/8-16x1 3/4	2
57▲	1-414521	Link, Assembly	2
58	103-2970-01	Shield, Belt	2
59	3256-3	Washer, Flat Std 5/16	6
60	1-800017	Bolt, Hex Tap 5/16-18 3 1/4	2
61	1-611216	Kit, Link Assembly	2
62	103-0321	Assy, cutting deck complete	1
63	3217-46	Nut, HH ¾ heavy	3
64	103-2802	Washer, disc spring 3/4	3
65✚	1-413424	Sheave w/ hub	3
66✚	103-1330	Guard, bearing top	3
67✚	103-2477	Bearing, ball	6
68	103-2534	Spacer, bearing	3
69	32120-8	Ring, snap	3
70	103-2535	Spacer, guard bottom	3
71✚	103-2788	Shaft, spindle	3
72	1-807268	Key, machine	3
73	1-323532	Housing, spindle	3
74	103-2572	Blade, 16.25 notched	3
◆	103-2517	Blade, 16.25 mulching	3
	103-2507	Blade, 16.25 low lift	3
	103-1577	Blade, 16.25 solid	3
75	1-513208	Washer, disc spring 5/8	3
76	103-1026	Screw, HH 5/8-11 x 1 G8	3
77	103-2547	Cutter Housing Assembly	3
78⁎	103-3207	Cutter Housing Complete	3
79□	103-2171	Kit,semi-pneumatic wheel replacement	1

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

◆ Requires installation of Micro-Mulch accessory for proper mulching. Mulch kit P/N MK483(48")

▲ Link assembly nominal length is 6.89" (or approximately 6 7/8") between center of ball joint and center of furthest hole. See diagram on next page. Initially adjust both links to this dimension, then adjust to where both links are equally supporting rear of mower deck by lengthening one link and shortening the other by an equal amount.

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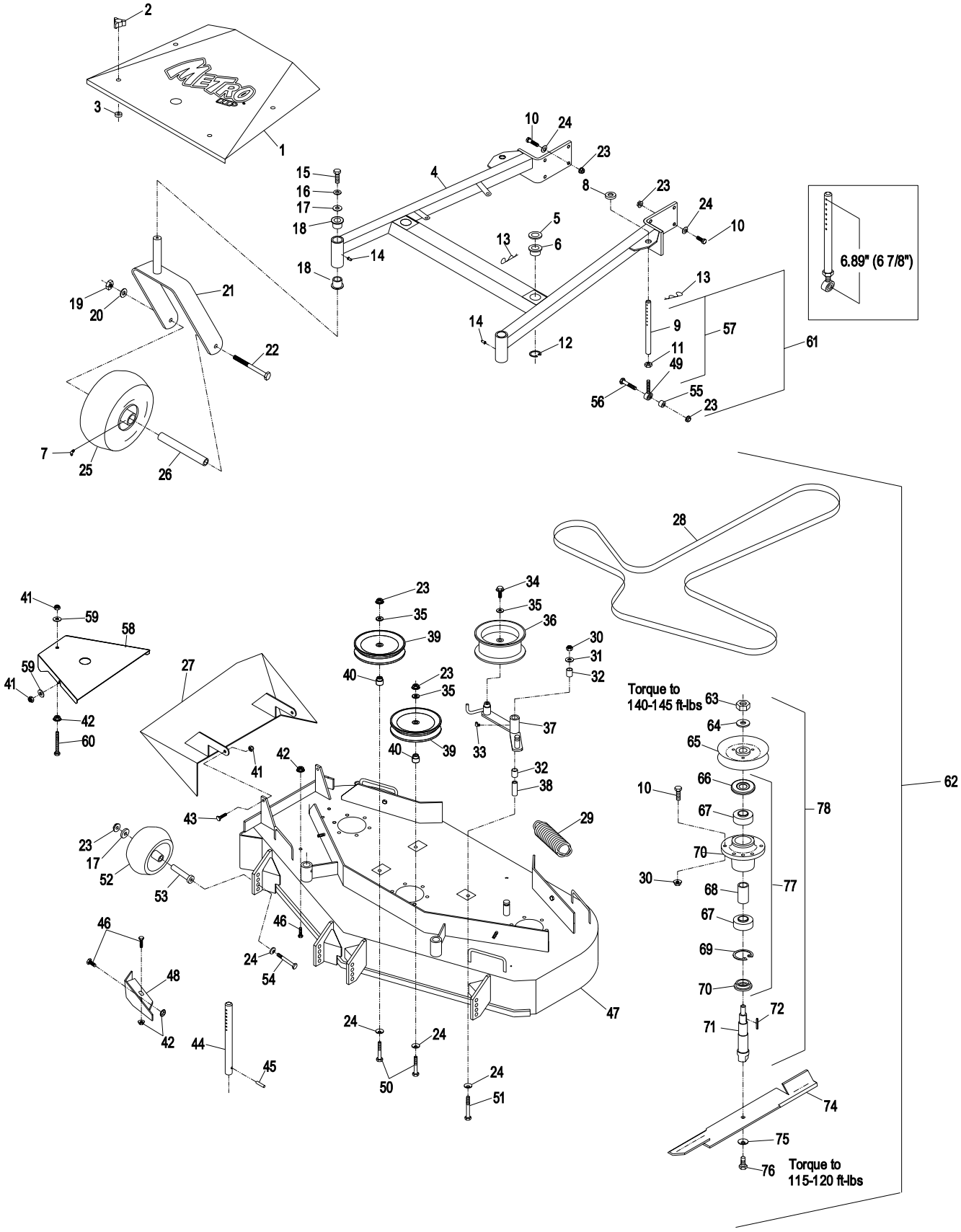
□ Kit 103-2171 used to install semi-pneumatic casters on machines originally fitted with pneumatic casters. Includes 103-1224 & 103-2169. Order 2 per machine.

✪ Kit 103-3168 includes antiscalp roller, bushing, and mounting hardware.

✚ Apply Mobil HTS grease (or a food-grade antisieze) between the spindles & bearings and spindles & sheaves and under top bearing guard. DO NOT use a copper or nickel based antisieze.

⁎ Complete cutting housings also include items 75 & 76.

48” MOWER DECK



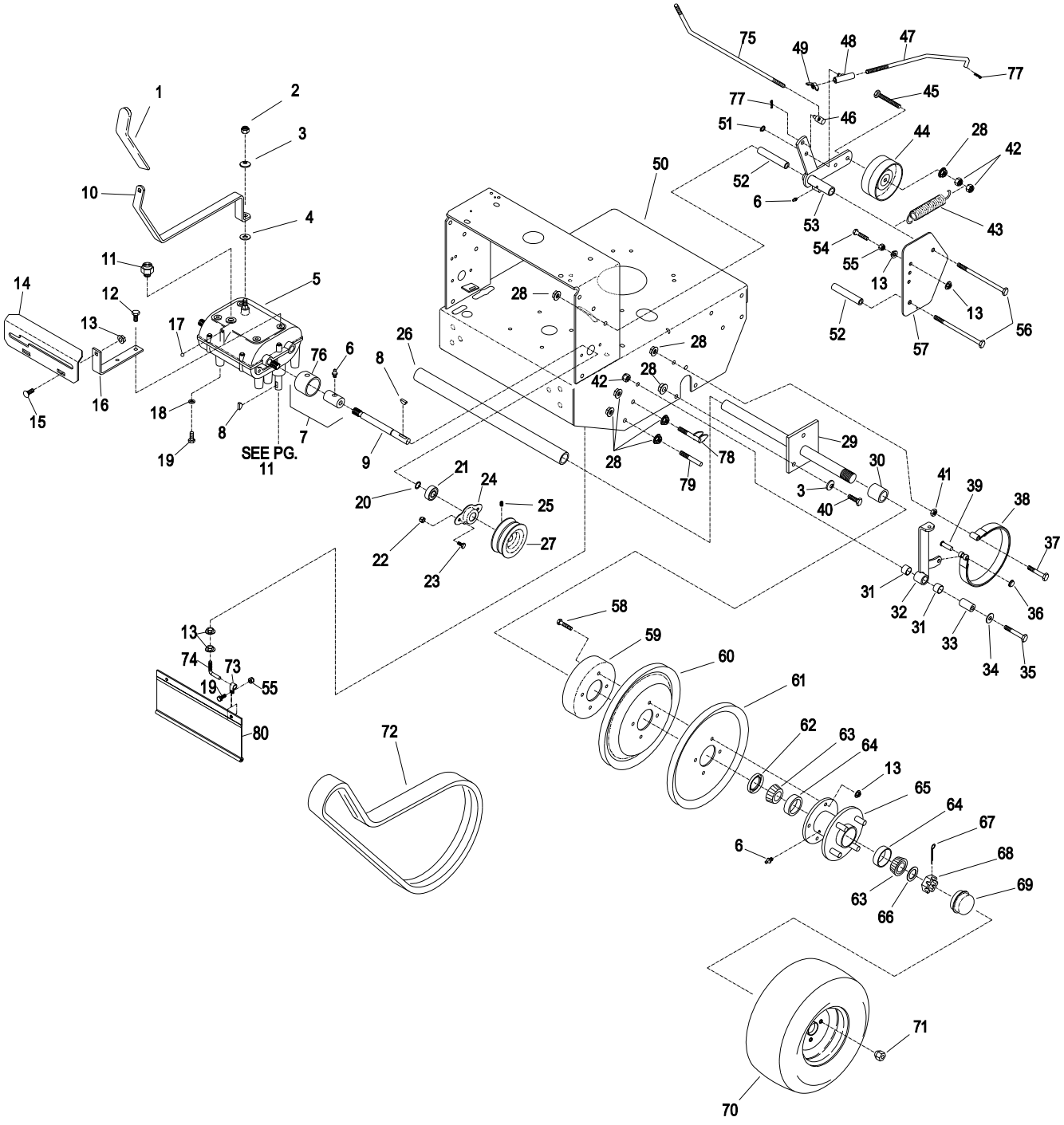
ENGINE DECK GROUP

Ref. No.	Part No.	Description	Qty. Req'd.
1	103-1733	Grip Foam	1
2	3296-6	Nut, Nyloc 3/8-24	1
3	98-5975	Washer, Disc Spring 3/8	7
4	1-323379	Washer, Shifter Lever	1
5	1-323500	Transmission, Peerless	1
6	302-19	Zerk, Straight ¼-28 5/32	6
7	1-324340	Coupling, w/guard & zerk	2
8	3257-5	Key Woodruff #9 3/4x3/16	3
9▲	1-323502	Shaft,Trans. Output 9 spline	2
10	103-1606	Lever, Shift w/grip	1
11	1-303282	Switch, Neutral Start	1
12	9264964	Screw, Hex Tap 5/16-18x3/4	4
13	32128-20	Nut, whizlock 5/16-18	18
14	1-323387-03	Plate, Shifter	1
15	3230-1	Bolt, Carriage 5/16-18x3/4	2
16	1-323389-03	Leg, Shifter Plate	2
17	1-323526	Ball, Stainless Steel	1
18	1-805005	Washer, Lock Hlcl Spg 5/16	4
19	322-3	Screw, Hex Cap 5/16-18x3/4	6
20	32151-62	Ring, Retaining	2
21▲	1-323252	Bearing, Transmission Shaft	2
22	3296-42	Nut, Nyloc ¼-20	4
23	321-3	Screw, Hex Cap ¼-20x5/8	4
24	1-323254	Flange, Output	2
25✧	1-803310	Screw, Set 5/16-18x3/8	2
26	1-413355-03	Sleeve, Axle	1
27▲	1-413334-03	Sheave, Transmission Output	2
28	3290-357	Nut, Whizlock 3/8-16	20
29	1-412376-03	Axle Weldment	2
30	1-543556	Spacer, Wheel	2
31	1-413347	Bushing, Sleeve	4
32	103-1695	Lever,Brake RH w/bush.(shown)	1
	103-1694	Lever,Brake LH w/bushings	1
33	1-413344	Bushing, Pivot	2
34	3256-4	Washer, Flat Std 3/8	2
35	323-10	Screw, Hex Cap 3/8-16x2	2
36	1-803051	Nut, Push .38	2
37	323-9	Screw, Hex Cap 3/8-16x1 ¾	2
38	1-323262	Brake Band	2
39	1-323307	Pin, Clevis	2
40	323-6	Screw, Hex Cap 3/8-16x1	6
41	3218-3	Nut, Jam 3/8-16	2
42	3296-39	Nut, Nyloc 3/8-16	6
43	1-603402	Spring, Extension	2
44	1-323277	Idler, Wheel Drive	2
45	99-8664	Bolt, Hex Tap 3/8-16x3	2
46	103-1618	Swivel, Short	2
47	103-1700	Linkage, Brake	2
48	1-322125	Swivel, weldmt Brake Linkage	2
49	1-513959	Wingnut, Nyloc 5/16	4
50	103-2941-01	Deck, weldment Engine	1
51	32151-47	Ring, Klip 3/8	2
52	1-323283	Spacer, Shield	4
53	103-1703-03	Arm, weldment RH (shown)	1
	103-1702-03	Arm, weldment LH	1
54	322-7	Screw,Hex Cap 5/16-18x1½	2
55	3296-29	Nut, Nyloc 5/16-18	4
56	323-39	Screw, Hex Cap 3/8-16x5	4
57	1-413359-01	Shield, Wheel Drive	2
58	322-6	Screw,Hex Cap 5/16-18x1¼	8
59	1-323261	Brake Drum	2
60	1-413331	Sheave, Wheel Drive w/offset	2
61	1-413332	Sheave, Wheel Drive	2
62	1-543511	Seal, Grease	2
63	1-543509	Cone, Bearing L44643	4
64	1-543508	Cup, Bearing L44610	4
65	1-413333	Wheel, Hub w/cups	2
	1-633926	Stud, wheel (1 ½")	8
66	1-523157	Washer, Spacer	2
67	1-806800	Pin, Cotter 9/64x1 1/2	2
68	1-809082	Nut, Slotted Hex	2
69	1-543513	Cap, Grease	2
70	1-413473	Wheel & Tire Assembly	2
	1-413474	Tire 16x6.50 – 8	2
	1-603715	Wheel	2
71	242-50	Nut, Wheel ½-20	8
72	1-413341	Belt, Wheel Drive Banded	2
73	1-413510	Clip, Loom .50	2
74	1-413511	Hanger, Drag Shield	2
75	103-1701	Linkage, Drive	2
76	51-4220	Guard, coupler	1
77	1-806003	Cotter, Hairpin .0585 #2	3
78	1-412358	Scraper, weldment	2
79	1-413353	Pin, Threaded	2
80	98-3259	Shield, Trailing	1

✧ Use Pro-lock (Nut type) Part No. 1-840022 (.5ml tube) on setscrew threads.
Exmark red touch up spray paint - P/N 1-850337
Exmark black touch up spray paint – Gloss Black

▲ Use antisieze compound between transmission output shafts & bearings and between transmission output shafts and sheaves.

ENGINE DECK GROUP



ENGINE DECK GROUP (CONT.)

Ref. No.	Part No.	Description	Qty. Req'd.
1	323-11	Screw, 3/8-16 x 2-1/4	7
2	3256-3	Washer, Flat Std 5/16	2
3	32128-20	Nut, Whizlock 5/16-18	11
4	1-413009-01	Plate, Guard	1
5 ✳	1-800521	Screw,Hex Cap 3/8-24x1G8	1
6	98-5975	Washer, Disc Spring 3/8	2
7	1-373034	Washer, Swivel	2
8	322-3	Screw,Hex Cap 5/16-18x3/4	1
9 ▲	1-412031	Sheave, w/drum (36")	1
▲	1-412028	Sheave, w/drum (48")	1
10	1-807259	Key, Mach 1/4x1/4x1	1
11	1-412138-03	Pivot Pin weldment	1
12	1-413062	Band, Brake Clutch	1
13	3296-39	Nut, Nyloc 3/8-16	5
14	1-413235	Washer, Spacer	1
15	1-413207	Pivot, Bearing	2
16	1-412417-03	Arm weldment, Clutch	1
	1-414418	Clutch Arm w/Bearings	1
17	1481	Zerk, ¼-28x45	1
18 ▲	1-413111	Bearing, Clutch Shaft	2
19	32120-8	Ring, Snap	2
20	1-413012	Spacer, Bearing Clutch	1
21	1-523157	Washer, Spacer	1
22▲	1-412011	Sheave w/shaft	1
23	1-413049-01	Plate, Clutch Pivot	1
24	3290-357	Nut, Whizlock 3/8-16	3
25	3296-29	Nut, Nyloc 5/16-18	1
26	1-213069	Washer, Strut	1
27	1-513113	Spring, Belt Tension	1
28	1-543007	Spacer, Clutch Anchor	1
29	3256-4	Washer, Flat Std 3/8	1
30	1-513034	Pivot, Bearing	2
31	1-806003	Pin, Hair Cotter .0585 #2	1
32	1-413282		
33	1-414143	Link Pivot w/Bearing	1
34	302-19	Zerk, Straight ¼-28	1
35	1-603044	Bushing, Idler Pivot	1
36	3231-6	Bolt, Carr. SSN 3/8-16x2	1
37	322-6	Screw,Hex Cap 5/16-18x1¼	1
38	321-6	Screw, Hex Cap ¼-20x1	2
39	32128-33	Nut, Whizlock ¼-20	4
40	1-523498	Spring, Motion Control	1
41	1-303334	Washer, Disc Spring 5/16	5
42 ✳	3212-10	Screw,Hex cap 7/16-20x2 ½	1
43	1-603610	Disc, Spring 7/16	2
44	1-603609	Bushing, Clutch Keeper	1
45	1-413339		
46	1-807264	Key, Machine ¼ x ¼ x 2 5/8	1
47	1-412325	Guide, Belt weldment	1
48	1-413096	Belt, Blade Clutch	1
49	1-323278	Sheave, Transmission	1
50 ✳	3245-41	Screw, Set ¼-20x3/8	2
51	3256-5	Washer, Flat Std 7/16	2
52	3256-24	Washer, Flat SAE 3/8	1
53	1-323285	Idler, Transmission Drive	1
54	323-8	Screw, Hex Cap 3/8-16x1 ½	2
55	103-1666	Sheave, Transmission Drive	1
56	1-413340	Spacer, Crankshaft	1
57	1-323280	Belt, Transmission Drive	1
58	322-7	Screw, Hex Cap 5/16-18x1½	4
59✪	103-1965	Valve, oil drain	1
60	103-1966	Adapter, M20-2.5 / 3/8 NPT	1
61□	103-1964	Hose, 24" oil drain	1

▲ Use anti-seize compound in the following locations:
- Between the sheave and the engine crankshaft.
- Between the sheave w/shaft and the bearing bores.
- Between the sheave w/shaft and the sheave w/drum.
- Between the transmission shaft and the sheave.

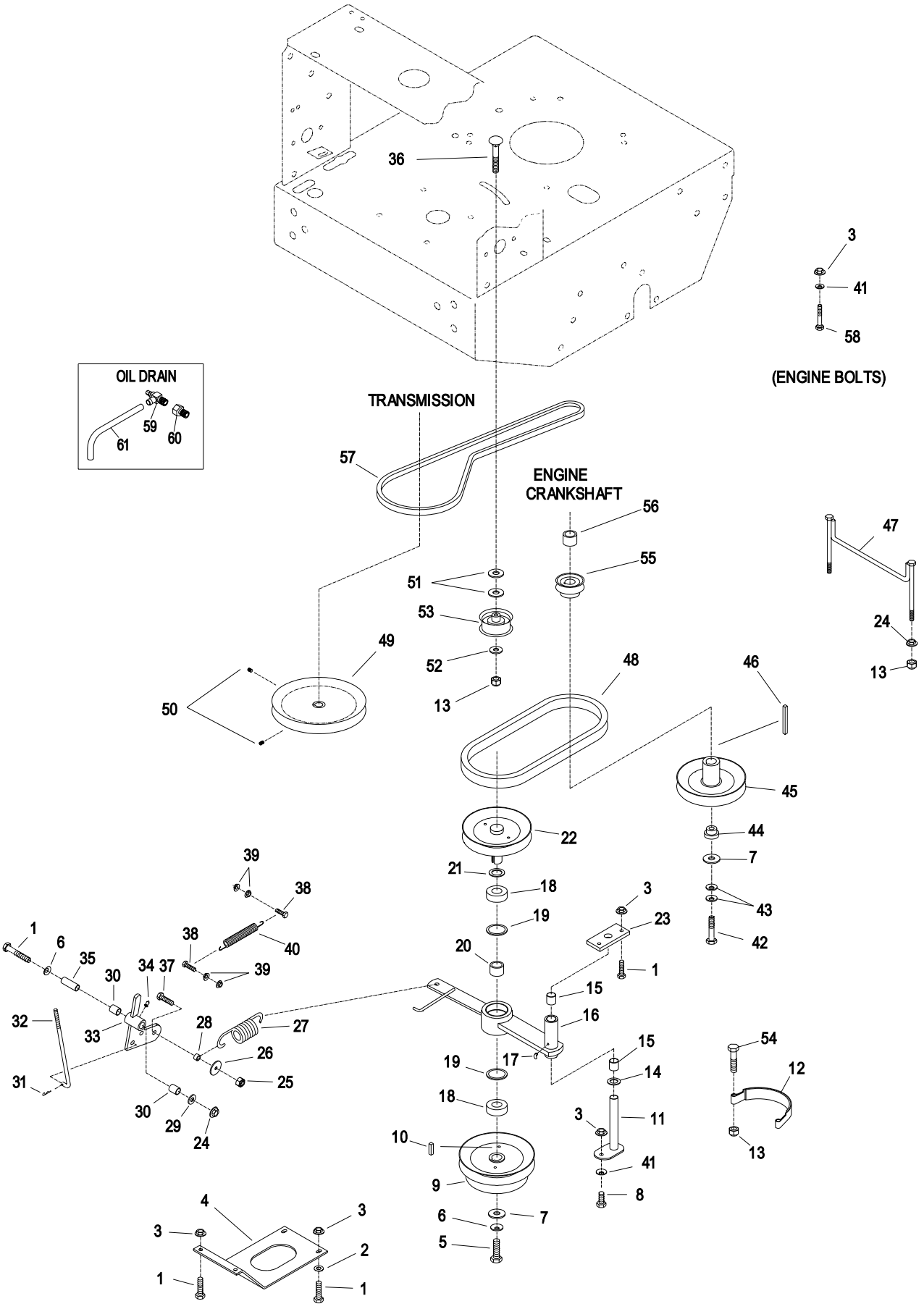
✳ Use Pro-lock (Nut type) Part No. 1-840022 (.5ml tube) in the following locations:
- On setscrew locations.
- On sheave retaining bolt in engine crankshaft.
- On sheave retaining bolt on clutch arm.

□ If engine deck has hole under fitting, hose is not required.

✪ Use Teflon Pipe Sealant or equivalent between oil drain valve and adapter.

Exmark red touch up spray paint – P/N 1-850337
Exmark black touch up spray paint – Gloss black

ENGINE DECK GROUP (CONT.)



ECS UPPER HANDLES and CONTROLS

Ref. No.	Part No.	Description	Qty. Req'd.
1∇	103-1566-03	Lever, weldment OPC LH	1
2	1-303365	Bushing, Nylon	2
3♦	1-803322	Screw, Set .312-24x.312	2
4	103-0769-03	Rod weldment, OPC	1
5	1-303363	Spring, Actuator	1
6	1-513592	Knob, Ball Red	1
7	1-807513	Bolt, Carr. #10-24x1/2 G2	2
8	3296-2	Nut, Nyloc #10-24	2
9	1-633696	Cable, Throttle Control	1
10∇	103-1567-03	Lever, weldment OPC RH	1
11	1-303020	Grip, Lever	1
12	1-414234	Clutch Lever w/Grip	1
13	3296-29	Nut, Nyloc 5/16-18	2
14	3256-24	Washer, Flat SAE 3/8	2
15	103-0027	Spacer	2
16	1-806003	Pin, Hair Cotter .0585 #2	1
17	103-1149	Linkage, Upper	1
18	1-413279	Turnbuckle, 3/8-16 SS	1
19	3217-7	Nut, Reg Hex 3/8-16	1
20	103-0815	Grip, Handle	2
21	1-303435	Washer, Disc Spring 1/4	6
22	103-1631	Latch, thumb LH	1
	103-1630	Latch, thumb RH (shown)	1
23	3296-42	Nut, Nyloc ¼-20	3
24	103-0770-03	Handle weldment	1
25	98-5975	Washer, Disc Spring 3/8	4
26	323-6	Screw, Hex Cap 3/8-16x2 ½	4
27	103-2107	Cap, Fuel Tank	1
28	103-2893	Asm,Fuel Tank	1
29∇	1-633023	Stud	2
30	1-633349	Spring, Fuel tank	2
31	1-805005	Wshr,Lock Hlcl Spg 5/16 Hvy	2
32	3296-47	Nut, Nyloc 5/16-18	2
33	322-3	Screw, Hex Cap 5/16-18x¾	2
34♦	103-2605	Fitting,Fuel Blkhd w/screen	1
35	103-1797-01	Bracket,choke cable	1
36	1-303077	Clamp, Fuel line	4
37	1-603955	Hose, Fuel line 6”	1
38	1-603770	Valve, Fuel	1
39	1-303022	Hose, Fuel line 8.5”	1
40	Kawasaki PN 41019-1055 w/6” fuel line		1
41♠	103-1710	Harness, Wiring	1
42	3296-39	Nut, Nyloc 3/8-16	1
43	1-403121	Switch, On/Off	1
	1-603511	Key, ignition	1
	103-2106	Key, Exmark logo	1
44	103-0498	Nut, Ignition Switch	1
45	1-633181	Plate, Tapped	2
46	3290-357	Nut, Whizlock 3/8-16	4
47	3290-500	Scrw,Mach CRPH 10-24x5/8 4	
48	1-513051	Switch, Neutral Lockout	2
49	1-323229	Clip, 3/8 Loom	2
50	1-303287	Tie, Plastic	5
51	1-323430	Module, Wiring Harness	1
52	323-11	Screw,3/8-16 x 2 1/4	1
53	322-9	Screw,5/16-18 x 1 3/4	2
54	1-413152	Bearing	4
55	103-2466-03	Lever,drive LH	1
56	321-4	Screw, Hex Cap ¼-20x3/5	1
57	321-14	Screw,1/4-20 x 2 3/4	2
58	32128-33	Nut,1/4-20 whizlock	12
59	103-0464	Pin,1/8 x 1/2 spring	2
60	3256-22	Washer,1/4 SAE flat	11
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,3/8-24 jam	4
64	103-2765	Console w/ decals	1
	103-0546-03	Wld,upper handle console	1
65	3256-23	Washer,5/16 SAE flat	4
66	321-3	Screw,1/4-20 x 5/8	10
67	103-2513	Asm,drive lever RH	1
	103-2514	Asm,drive lever LH	1
68	103-2463	Joint,.31 ball end	2
69	103-0489-03	Bracket,opc axle	1
70	103-1796	Cable,choke push/pull	1

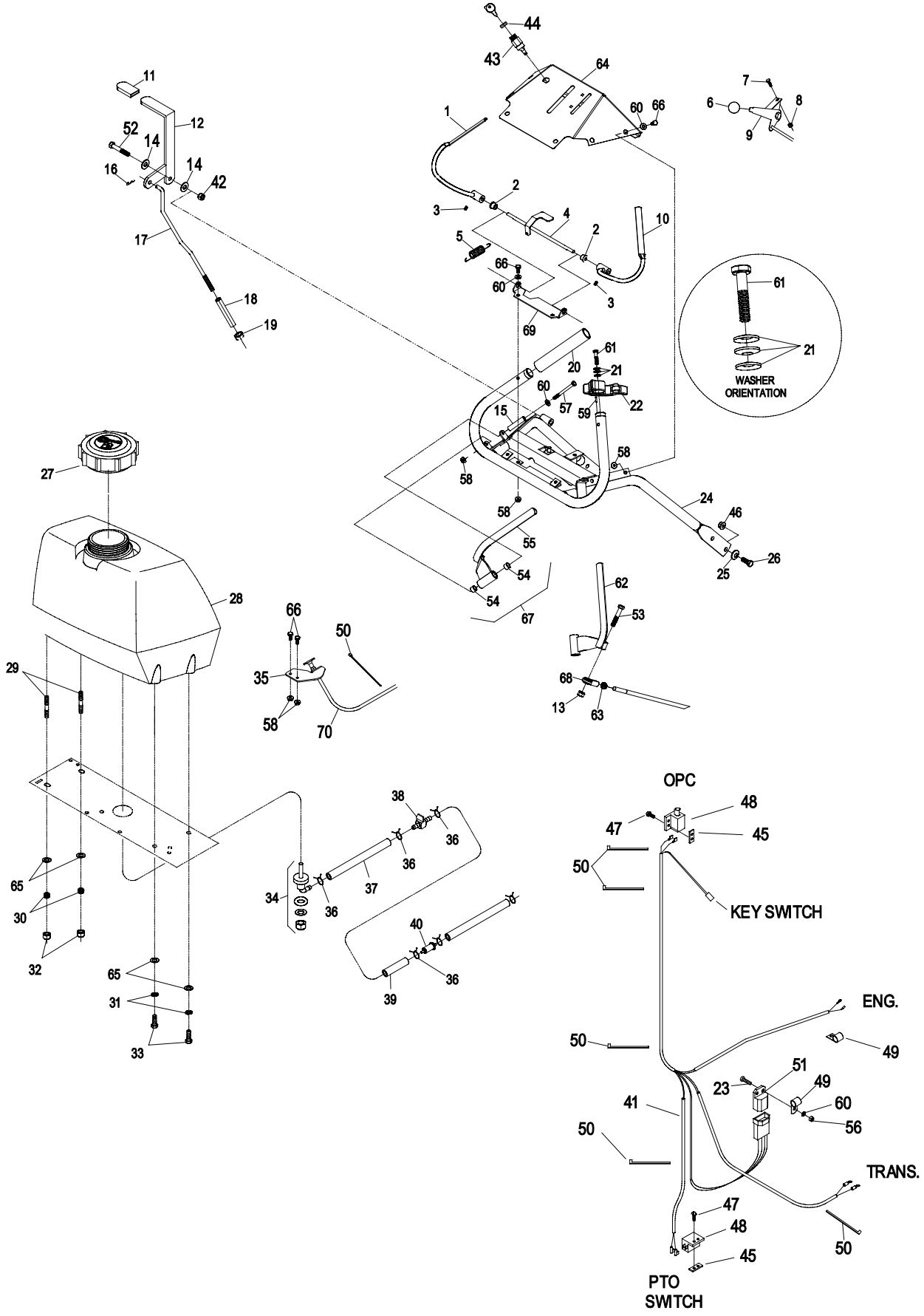
Exmark black touch up spray paint - Gloss black

♦ Use Pro-Lock nut type, Part no. 1-840022 (.5cc tube) on setscrew threads, on thumblatch screws, and on fuel fitting.

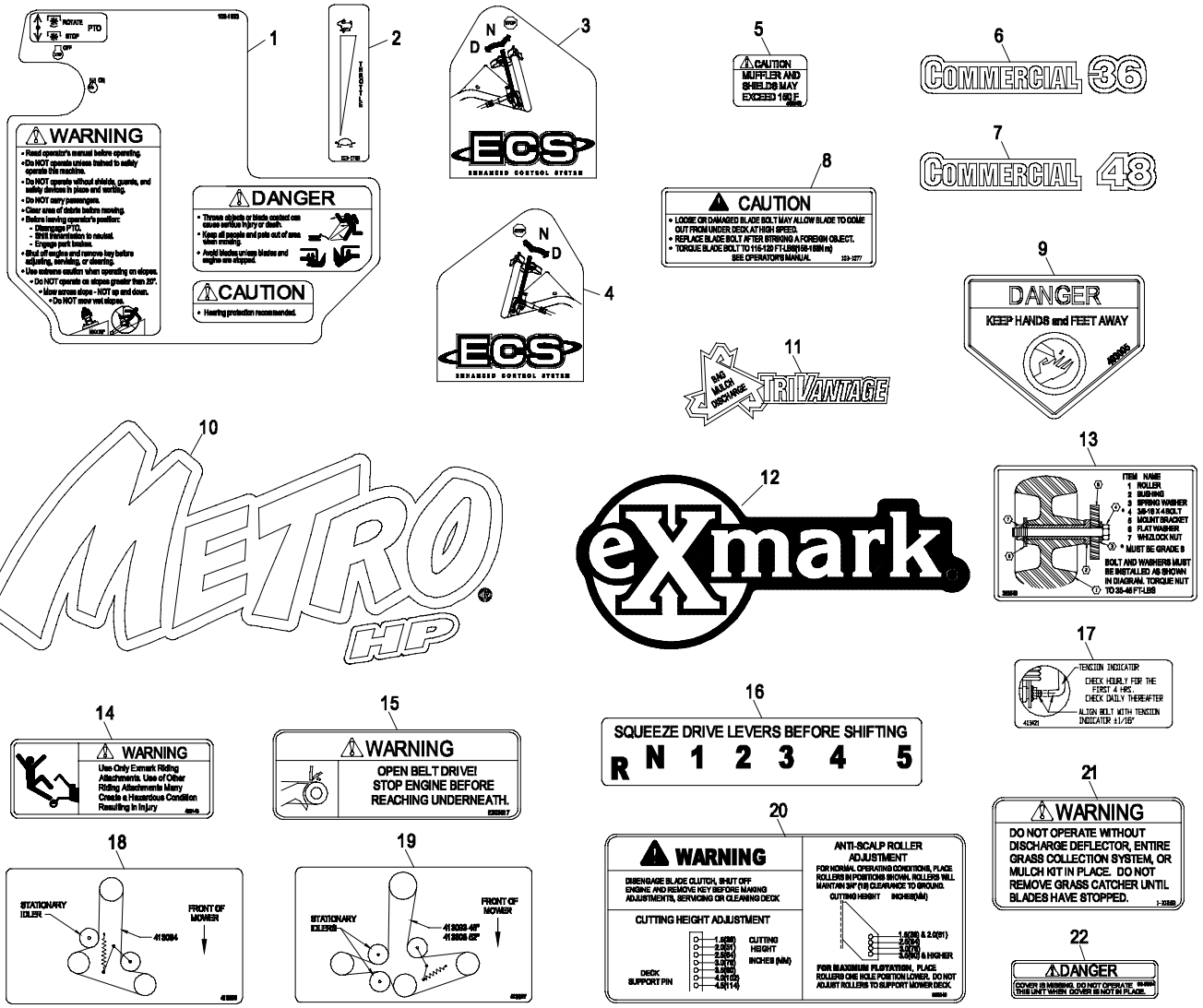
∇ Use Pro-Lock retaining type, Part no. 1-840023 (.5cc tube) on inside of bore of OPC hub and on fuel tank studs, where studs are inserted into tank.

♠ Use dielectric grease on all electrical connectors.

ECS UPPER HANDLES and CONTROLS

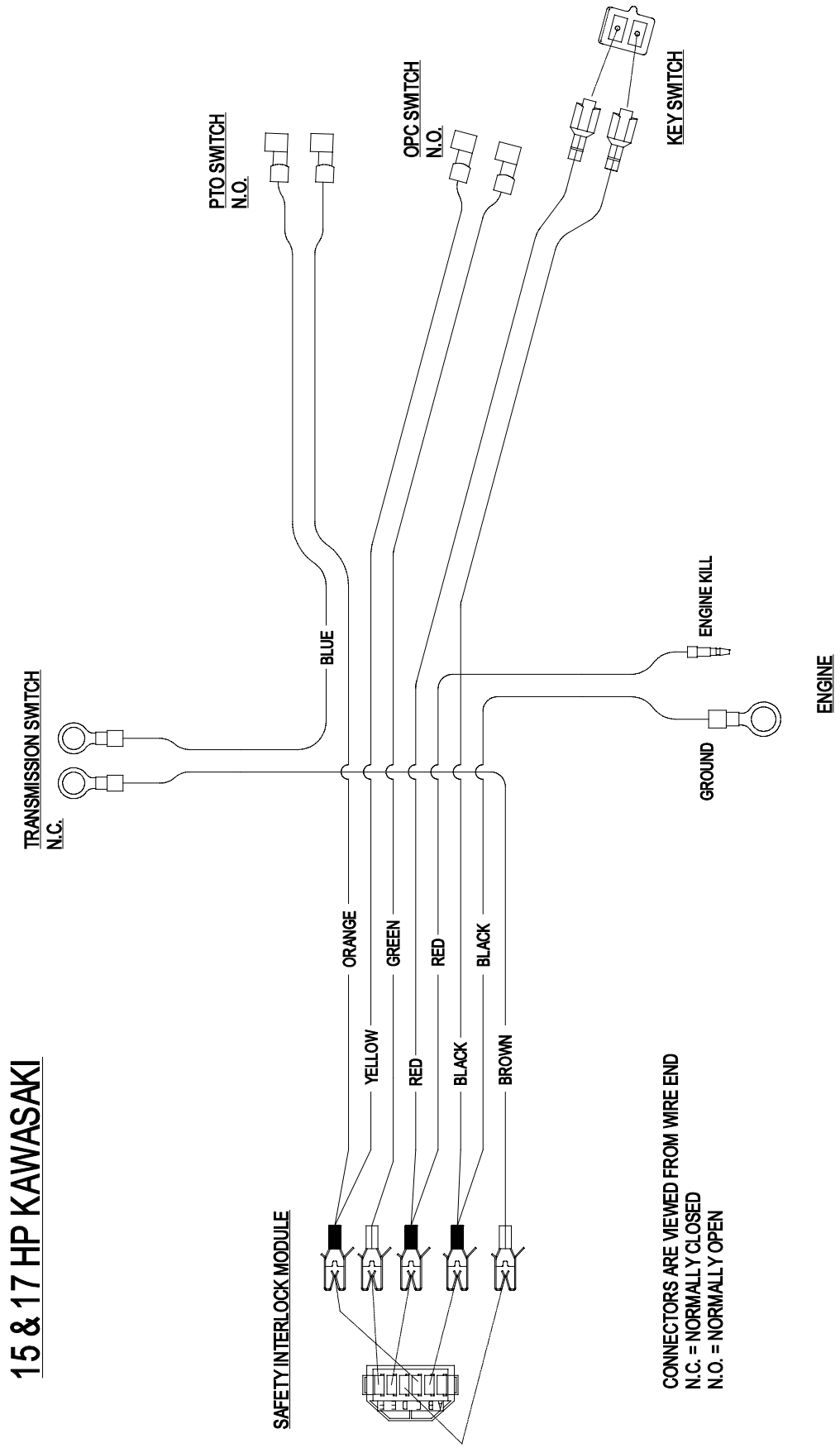


DECAL GROUP



Ref. No.	Part No.	Description	Qty. Req'd.
1	103-1623	Decal, Console	1
2	103-1798	Decal, Throttle	1
3	103-2244	Decal, LH ECS Instruction	1
4	103-2245	Decal, RH ECS Instruction	1
5	1-513746	Decal, Muffler	2
6	1-323411	Decal, Commercial 36	1
7	1-403131	Decal, Commercial 48	1
8	103-1077	Decal, Bolt Torque	1
9	1-403005	Decal, Danger	2
10	103-2921	Decal, MHP Model	1
11	1-303520	Decal, Trivantage	1
12	103-2882	Decal, Exmark Logo	1
13	1-323540	Decal, Roller Mounting	1
14	1-403143	Decal, Sulky Warning	1
15	1-303517	Decal, Belt Drive	1
16	1-303518	Decal, Shifter	1
17	1-413421	Decal, Indicator	1
18	1-413206	Decal, Belt Routing(36")	1
19	1-413327	Decal, Belt Routing(48")	1
20	1-553049	Decal, Mower deck	1
21	1-303508	Decal, Discharge Warning	1
22	98-5954	Decal, Missing cover (36")	1
	98-5954	Decal, Missing cover (48")	3
	1-414395	Decal Kit	1

WIRING DIAGRAM



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