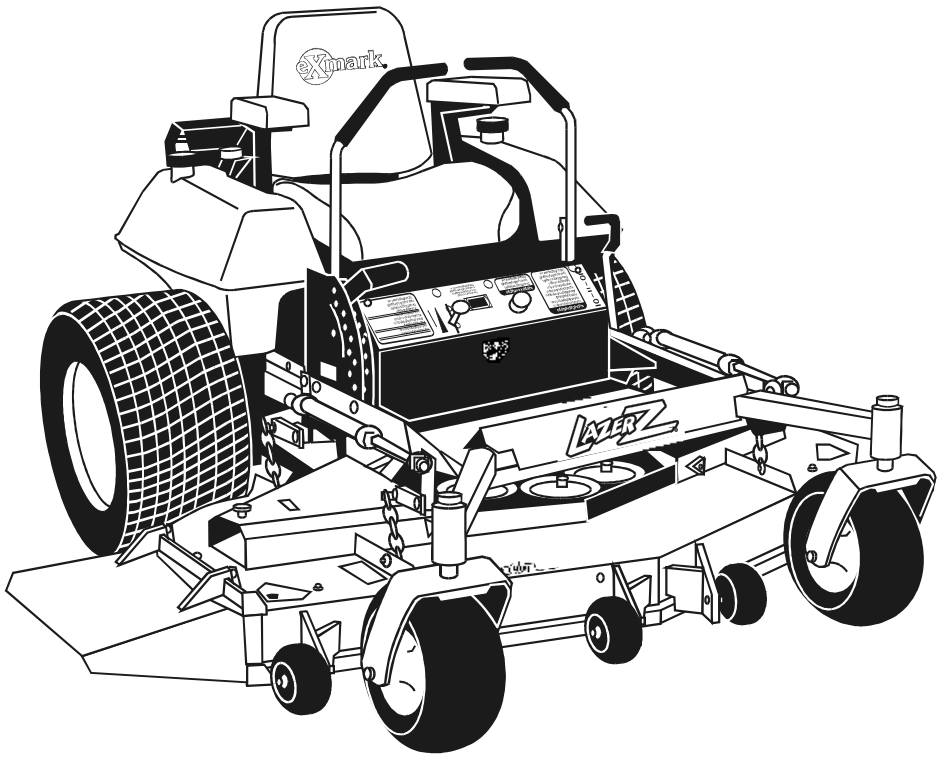
For Serial Nos. 370,000 & Higher

eXmark® MFG. CO. INC.



PARTS MANUAL

LAZER Z®

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

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

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

Model No. _____

Serial No. _____

Engine Model No. and Spec. No. (Code) _____

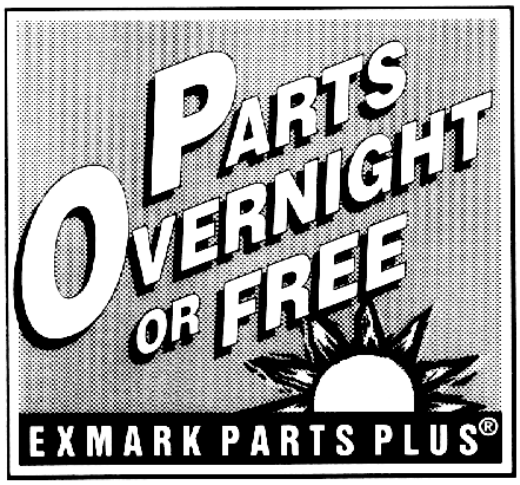
Engine Serial No. (E/No) _____

Date Purchased _____

Part No. 103-3059 Rev E.

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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52” DECK GROUP

Ref. No.	Part No.	Description	Qty. Req'd.
1	103-3183	Asm,deck (103-3026-01) w/decals	1
2	3256-24	Washer, 3/8 SAE	3
3✚	103-2794	Sheave, blade drive	3
4	1-513208	Washer,disc spring	1
5	1-303334	Washer, 5/16 disc spring	1
6	32128-20	Nut, 5/16-18 whizlock	8
7	1-602913-01	Baffle wldmt, discharge	1
8	322-2	Screw, 5/16-18 x 5/8	5
9★	1-603299	Roller, antiscalp	6
10	3290-357	Nut, 3/8-16 whizlock	8
11	1-373034	Washer, pivot	8
12	1-603602	Bushing, roller	6
13	98-5975	Washer, 3/8 disc spring	13
14	98-5961	Screw, 3/8-16 x 4 gr 8	6
15	103-0345-01	Chute, discharge 52”	1
16	322-5	Screw, 5/16-18 x 1	3
17	3296-29	Nut, 5/16-18 nyloc	4
18	1-633357-01	Shield, belt 52”	2
19	1-323385	Knob, belt shield	6
20	1-322110	Belt guide wldmt	1
21	103-0862	Screw, 5/8-18x2 3/4 gr 8	3
22	323-11	Screw, 3/8-16 x 2 1/4	2
23	1-303537	Stud, belt shield	2
24	3256-3	Washer 5/16 std flat	4
25	1-323417	Washer, rubber	2
26	103-3330	Spring, extension	1
27	1-632119-01	Arm wldmt, deck idler	1
28	1-513034	Bearing, pivot	2
29	1-634244	Arm wldmt/brg sub-assy	1
30	1-603044	Bushing, idler pivot	1
31	302-40	Zerk, 1/4-20 90°	1
32	3256-4	Washer, 3/8 std flat	3
33	3296-39	Nut, 3/8-16 nyloc	19
34	323-13	Screw, 3/8-16 x 2 3/4	1
35	1-633109	Idler pulley 6.00 dia flat	2
36	3234-11	Bolt, 3/8-16 x 1 whizlock	1
37	1-633456	Bushing, Idler	2
38	3217-11	Nut, 5/8-11 hex	2
39	32128-37	Nut, 7/16-14 whizlock	16
40	1-603805	Idler pulley 5.06 O.D V	1
41	1-633366	Belt, blade drive 52” Deck	1
42	1-633447	Chain	4
43	103-1898	Screw, 7/16-14 x 1-5/8 sp	8
44	322-3	Screw, 5/16-18 x 3/4	2
45✳	103-3200	Cutter housing complete	3
46	103-2534	Spacer, bearing	4
47	103-2535	Spacer, guard bottom	4
48	323-6	Screw, 3/8-16 x 1	4
49	103-1072-01	Strut wldmt, deck	2
50✚	103-2785	Spindle	3
51	1-633029	Spherical rod end	2
52	327-11	Screw, 5/8-11 x 5	2
53	3253-8	Lockwasher, 5/8 reg.spring	2
54	302-19	Zerk, 1/4-28 straight	4
55	1-632199-01	Pin wldmt, deck strut	2
56	3219-6	Nut, 5/8-18 hex	3
57	3217-46	Nut, HH 3/4-16 heavy	3
58	103-2982	Key, 1/4x3/16x3/4	3
59✚	103-2477	Bearing, ball	8
60	1-323532	Housing ,bearing	3
61✚	103-1330	Guard, bearing top	3
62	323-7	Screw, Hex cap 3/8x1 1/4	18
63	32120-8	Snap Ring	4
64	103-2802	Washer, disc spring 3/4	3
65	103-2528	Blade, notched.	3
	103-2508	Blade, low lift	3
✦	103-2518	Blade, mulching	3
	103-1578	Blade, solid	3
66✧	103-1081	Asm,strut long	2
67✚	1-643393	Jackshaft	1
68✚	103-3182	Sheave, Jackshaft	1
69	103-0280	Housing, Jackshaft	1
70	103-3248	Asm,jackshaft 52	1
71▲	103-3257	Asm,deck complete	1
72	103-2547	Housing w/bearings	3
73	103-0865	Washer,disc spring	3
74	103-2544	Asm, jackshaft housing w/brgs	1

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

✦ Requires installation of Micro-Mulch accessory for proper mulching. Mulch kit P/N MK524

★ Kit 103-3168 includes antiscalp roller, bushing, & mounting hardware.

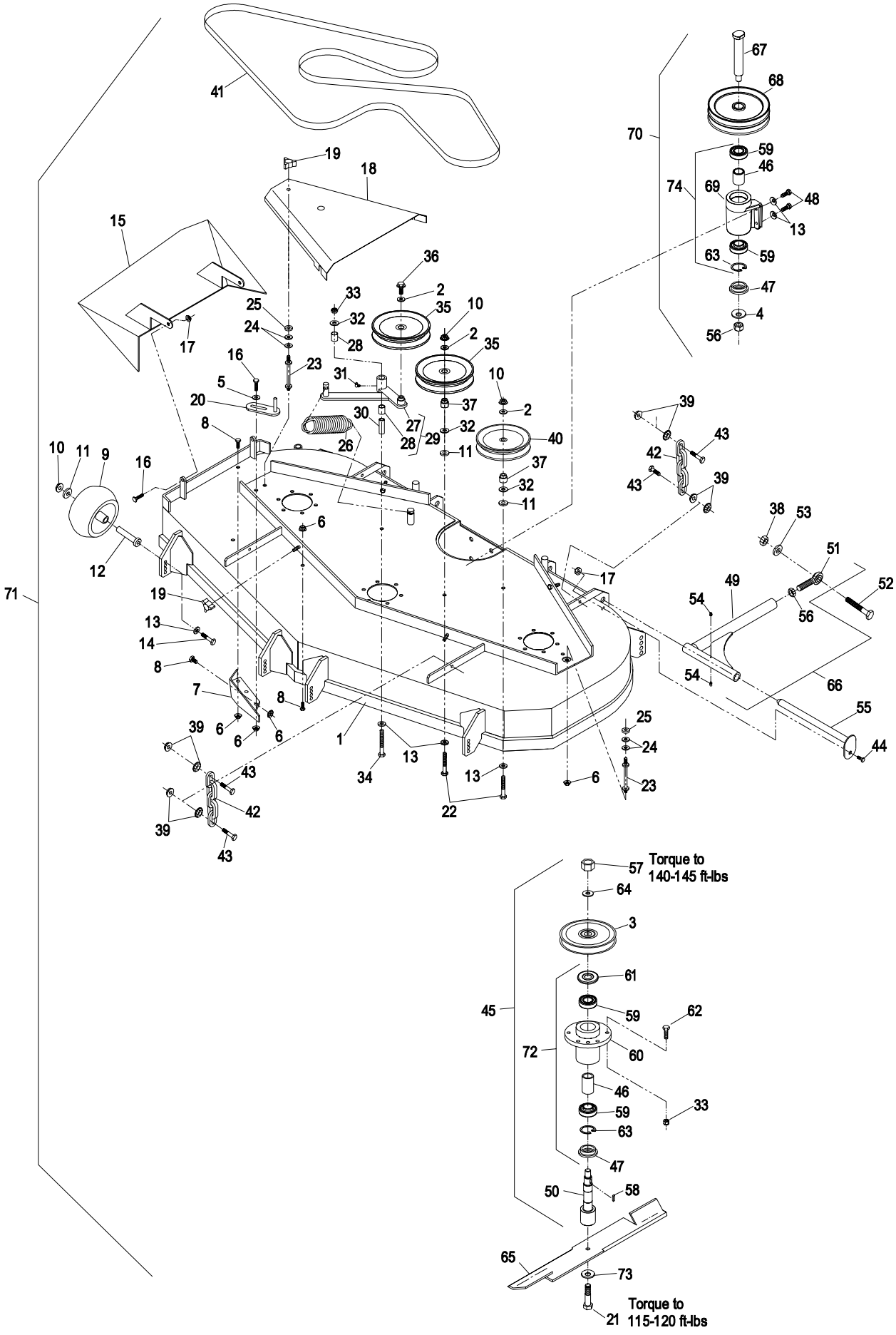
✚ Apply Mobil HTS grease (or a food-grade antisieze) between the jackshaft and bearings, jackshaft and sheaves, spindles and bearings, spindles and sheaves, and under top bearing guard.
DO NOT use a copper or nickel based antisieze.

▲ Complete deck assembly excludes items 39, 42, 43, and 66 and includes mule drive belt from page 18.

✳ Complete cutter housing assembly also includes items 73 & 21.

✧ *For units with Serial Nos. 370,000-398,999 with 103-3097 mule drive belt*, adjust strut length by loosening locking nut and screwing ball joint all the way into the end of the strut. Tighten locking nut.
For units with Serial Nos. 399,000 and higher and units which have had mule drive belt replaced with kit 103-4092, the length from the end of locking nut on strut to centerline of ball joint should be approximately 1 5/16”.

52” DECK GROUP



60” DECK GROUP

Ref. No.	Part No.	Description	Qty. Req'd.
1	103-3184	Asm,deck (103-3029-01) w/decals	1
2	3217-46	Nut, HH 3/4-16 heavy	3
3	3256-24	Washer, 3/8 SAE	3
4	1-513208	Washer, disc Spring	1
5	1-303334	Washer, 5/16 disc spring	1
6	32128-20	Nut, 5/16-18 whizlock	8
7	1-602913-01	Baffle wldmt, discharge	1
8	322-2	Screw, 5/16-18 x 5/8	5
9★	1-603299	Roller, antiscalp	6
10	3290-357	Nut, 3/8-16 whizlock	8
11	1-373034	Washer, pivot	8
12	1-603602	Bushing, roller	6
13	98-5975	Washer, 3/8 disc spring	13
14	98-5961	Screw, 3/8-16 x 4 gr 8	6
15	1-632939-01	Chute, discharge 60”	1
16	322-5	Screw, 5/16-18 x 1	2
17	3296-29	Nut, 5/16-18 nyloc	4
18	1-633084-01	Shield, belt 60”	2
19	1-323385	Knob, belt shield	6
20	1-322110	Belt guide wldmt	1
21	103-0862	Screw, 5/8-18 x 2 ¾ gr 8	3
22	323-11	Screw, 3/8-16 x 2 1/4	2
23	1-303537	Stud, belt shield	2
24	3256-3	Washer 5/16 std flat	6
25	1-323417	Washer, rubber	2
26	103-3330	Spring, extension	1
27	1-632119-01	Arm wldmt, deck idler	1
28	1-513034	Bearing, pivot	2
29	1-634244	Arm wldmt/brg sub-assy	1
30	1-603044	Bushing, idler pivot	1
31	302-40	Zerk, 1/4-20 90°.	1
32	3256-4	Washer, 3/8 std flat	3
33	3296-39	Nut, 3/8-16 nyloc	19
34	323-13	Screw, 3/8-16 x 2 3/4	1
35	1-633109	Idler pulley 6.00 dia flat	2
36	3234-11	Bolt, 3/8-16 x 1 whizlock	1
37	1-633456	Bushing, Idler	2
38	323-8	Screw, 3/8-16 x 1 ½	18
39	32128-37	Nut, 7/16-14 whizlock	16
40	1-603805	Idler pulley 5.06 O.D. V	1
41	1-633127	Belt, blade drive 60” deck	1
42	1-633447	Chain	4
43	103-1898	Screw, 7/16-14 x 1 5/8 sp	8
44	322-3	Screw, 5/16-18 x ¾	2
45	3217-11	Nut, 5/8-11 hex	2
46	103-2802	Washer, disc spring	3
47✳	103-3200	Cutter housing complete	3
48	323-6	Screw. 3/8-16 x 1	4
49	103-1072-01	Strut wldmt, deck	2
50✚	103-2794	Sheave, blade drive	3
51	1-633029	Spherical rod end	2
52	327-11	Screw, 5/8-11 x 5	2
53	3253-8	Lockwasher,5/8 reg.spring	2
54	302-19	Zerk, 1/4-28 straight	4
55	1-632199-01	Pin wldmt, deck strut	2
56	3219-6	Nut, 5/8-18 hex	3
57✚	103-2785	Spindle	3
58✚	103-2477	Bearing, ball	8
59	103-2982	Key, 1/4x3/16x3/4	3
60	1-323532	Housing, bearing	3
61✚	103-1330	Guard, bearing top	3
62	103-2547	Housing w/bearings	3
63	32120-8	Snap Ring	4
64	103-2535	Spacer, guard bottom	4
65	103-2530	Blade, notched	3
	103-2510	Blade, low lift	3
✦	103-0301	Blade, mulching	3
	103-1580	Blade, solid	3
66✧	103-1081	Asm,strut long	2
67	103-0280	Housing, Jackshaft	1
68✚	103-3046	Sheave, Jackshaft Double	1
69✚	1-643393	Jackshaft	1
70	103-3249	Jackshaft Assy	1
71●	103-3258	Complete Deck Assy	1
72	103-2534	Spacer, bearing	4
73	322-6	Screw. 5/16-18 x 1 ¼	1
74	103-0865	Washer,disc spring 3/4	3
75	103-2544	Asm, jackshaft housing w/brgs	1

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

✦ Requires installation of Micro-Mulch accessory for proper mulching. Mulch kit P/N MK604

★ Kit 103-3168 includes antiscalp roller, bushing, & mounting hardware.

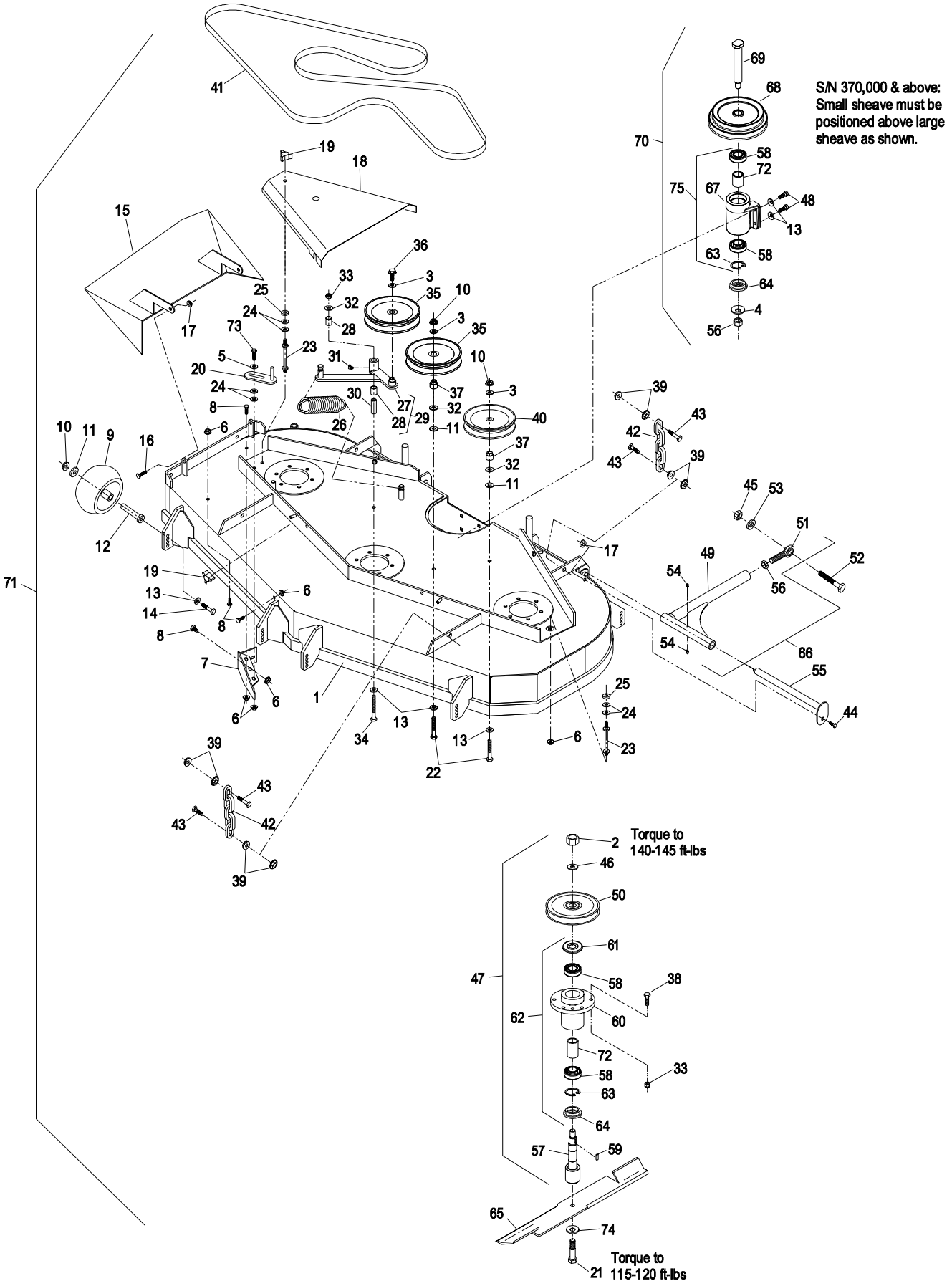
● Complete deck assembly excludes items 39, 42, 43, and 66 and includes 103-3097 from page 18.

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

✳ Complete cutter housing assembly also includes items 74, & 21.

✧ *For units with Serial Nos. 370,000-398,999 with 103-3097 mule drive belt*, adjust strut length by loosening locking nut and screwing ball joint all the way into the end of the strut. Tighten locking nut.
For units with Serial Nos. 399,000 and higher and units which have had mule drive belt replaced with kit 103-4092, the length from the end of locking nut on strut to centerline of ball joint should be approximately 1 5/16”.

60” DECK GROUP



72” DECK GROUP

Ref. No.	Part No.	Description	Qty. Req'd.
1	1-643052	Belt, Blade drive 72”	1
2	1-323385	Knob, belt shield	6
3	1-643076-01	Shield, belt 72” RH (shown)	1
	1-643075-01	Shield, belt 72” LH	1
4	3234-11	Bolt, 3/8-16 x 1 whizlock	1
5	3256-24	Washer, 3/8 SAE	3
6	1-633109	Idler pulley 6.00 dia flat	2
7	103-3330	Spring, extension	1
8	3290-357	Nut, 3/8-16 whizlock	8
9	1-633456	Bushing, Idler	2
10	3256-4	Washer, 3/8 std flat	3
11	1-373034	Washer, pivot	8
12	3296-39	Nut, 3/8-16 nyloc	19
13	1-513034	Bearing, pivot	2
14	1-632119-01	Arm wldmt, deck idler	1
15	1-603044	Bushing, idler pivot	1
16	103-2802	Washer, disc spring 3/4	3
17	3219-6	Nut, 5/8-18 hex	3
18	103-2544	Asm, jackshaft housing w/brgs	1
19✚	103-2795	Sheave, blade drive	3
20	1-303334	Washer, 5/16 disc spring	1
21	1-322110	Belt guide wldmt	1
22	1-634244	Arm wldmt/brg sub-assy	1
23	32128-20	Nut, 5/16-18 whizlock	8
24	323-6	Screw, .3/8-16 x 1	4
25	98-5975	Washer, 3/8 disc spring	13
26	32128-37	Nut, 7/16-14 whizlock	16
27	103-1898	Screw, 7/16-14 x 1-5/8	8
28	1-633447	Chain	4
29	3217-11	Nut, 5/8-11 hex	2
30	3253-8	Lockwasher, 5/8 reg.spring	2
31	1-633029	Spherical rod end	2
32	327-11	Screw, 5/8-11 x 5	2
33	103-1073-01	Strut wldmt, deck	2
34	1-632199-01	Pin wldmt, deck strut	2
35	302-19	Zerk, 1/4-28 straight	4
36	323-8	Screw, 3/8-16 x 1 1/2	18
37	1-323417	Washer, rubber	2
38	3256-3	Washer 5/16 std flat	4
39	1-303537	Stud, belt shield	2
40	103-1591	Asm,deck (103-3032-01) w/decals	1
41	3217-46	Nut, HH 3/4-16 heavy	3
42	1-323532	Housing, bearing	3
43✚	103-2477	Bearing, ball	8
44	32120-8	Snap Ring	4
45	103-2534	Spacer, bearing	4
46	103-2535	Spacer, guard bottom	4
47✚	103-1330	Guard, bearing top	3
48	103-2547	Housing w/bearings	3
49	103-2531	Blade, notched	3
♦	103-2521	Blade, mulching	3
	103-2511	Blade, low lift	3
	103-1581	Blade, solid	3
50	103-0862	Screw, 5/8-18 x 1 gr 8	3
51	323-11	Screw, 3/8-16 x 2 1/4	2
52	323-13	Screw, 3/8-16 x 2 3/4	1
53	1-602913-01	Baffle wldmt, discharge	1
54	322-2	Screw, 5/16-18 x 5/8	5
55	98-5961	Screw, 3/8-16 x 4 gr8	6
56	1-603602	Bushing, roller	6
57★	1-603299	Roller, anti-scalp	6
58	322-5	Screw, 5/16-18 x 1	5
59	1-642071-01	Chute, discharge 72”	1
60	3296-29	Nut, 5/16-18 nyloc	4
61	302-40	Zerk, 1/4-20 90°.	1
62	1-603805	Idler pulley 5.06 O.D. V	1
63✚	103-2785	Spindle	3
64✳	103-3206	Cutter housing complete	3
65✧	103-1083	Asm, strut 72” long	2
66	103-3249	Jackshaft Assy	1
67✚	1-643393	Jackshaft	1
68✚	103-3046	Sheave, double	1
69	103-0280	Housing, Jackshaft	1
70▲	103-3259	Complete deck asm	1
71	103-2982	Key, 1/4x3/16x3/4	3
72	103-0865	Washer,disc spring	3
73	1-513208	Washer,disc spring	1

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

♦ Requires installation of Micro-Mulch accessory for proper mulching. Mulch kit P/N MK724.

★ Kit 103-3168 includes antiscalp roller, bushing, & mounting hardware.

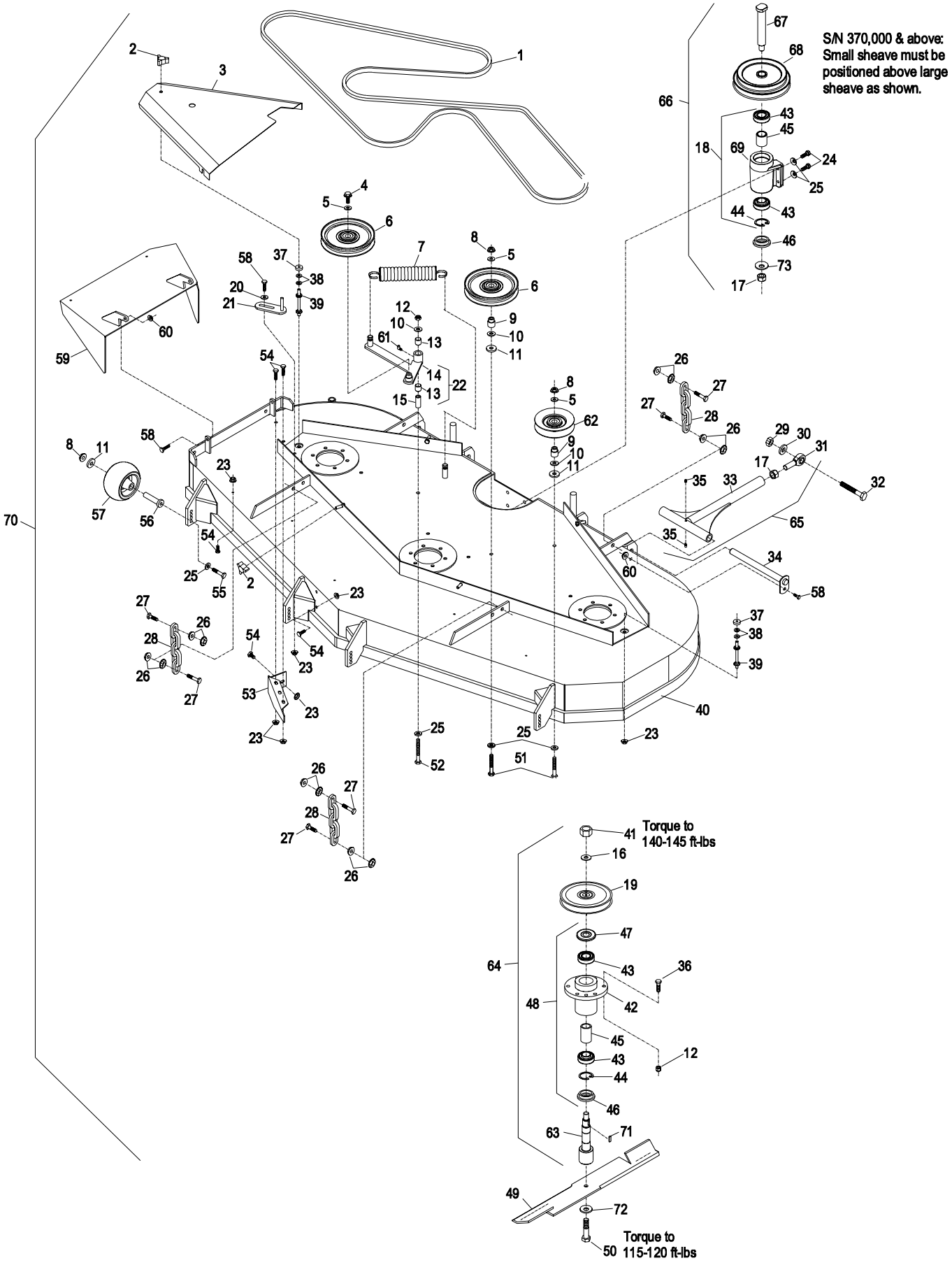
▲ Complete deck assembly excludes items 26, 27, 28, and 65 and includes 103-3097 from page 18.

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

✳ Complete cutter housing assembly also includes items 72 & 50.

✧ *For units with Serial Nos. 370,000-398,999 with 103-3097 mule drive belt*, adjust strut length by loosening locking nut and screwing ball joint all the way into the end of the strut. Tighten locking nut.
For units with Serial Nos. 399,000 and higher and units which have had mule drive belt replaced with kit 103-4092, the length from the end of locking nut on strut to centerline of ball joint should be approximately 1 5/16”.

72” DECK GROUP



FRONT FRAME GROUP

Ref. No.	Part No.	Description	Qty. Req'd.
1	103-2066-01	Frame wldmt, front 52”……	1
	103-2480-01	Frame wldmt, front 60”.....	1
	103-2479-01	Frame wldmt, front 72”.....	1
2	302-19	Zerk, 1/4-28 straight	5
3	103-1502	Asm,floorpan (103-1490-01)	
		w/pads &decals.....	1
4	1-633553	Pad, anti skid.....	2
5	103-2084	Asm,lever(103-2083-03)w/grip.	1
6	1-633295	Grip, lift lever	1
7	103-2064-03	Arm wldmt, deck lift.....	1
8	1-633325	Spring, compression.....	1
9	3256-24	Washer, 3/8 SAE flat.....	1
10	3296-39	Nut, nyloc 3/8-16	6
11	32151-103	E-ring.....	5
12	1-633068	Arm, deck lift.....	2
13	1-633889-01	Plate, deck lift.....	1
14	1-632899-01	Plate wldmt, deck lift	1
15	1-633082	Bushing, lift lever	1
16	1-633080	Bushing, lift lever	1
17	323-13	Screw, 3/8-16 x 2 3/4	1
18	1-633097	Hitch pin w/lanyard	1
19	1-806005	Hairpin cotter	1
20	323-9	Screw, 3/8-16 x 1 3/4	2
21	98-5975	Washer, 3/8 disc spring.....	12
22	3290-357	Nut, whizlock 3/8-16	15
23	323-6	Screw, 3/8-16 x 1	3
24	323-7	Screw, 3/8-16X1 1/4.....	12
25	3256-29	Washer, 7/8 SAE flat.....	4
26	1-633096	Rod, deck lift.....	2
27	3217-11	Nut, 5/8-11 regular	8
28	1-633441	Swivel, deck mount.....	4
29	3256-7	Washer, 5/8 std flat	4
30	1-633064	Spring, deck support (52” & 60”)	2
	1-643015	Spring, deck support (72”) ..	2
31	3218-6	Jam nut, 5/8-11	4
32	1-543513	Cap, grease.....	2
33	1-543509	Bearing cone,tapered roller	4
	1-543508	Bearing cup, tapered roller.	4
34	1-543511	Seal, grease.....	2
35	103-1474-01	Caster wldmt.....	2
36	3296-51	Nut, 3/4-10 nyloc.....	2
37	1-633508	Washer, spring disk.....	6
38	325-39	Screw, ½-13 x 9 ½	2
39	1-811010	Plug	2
40✧	103-0069	Caster wheel assy	2
41	3296-23	Nut, 1/2-13 nyloc	2
42✧	1-633959	Spacer, front caster	2
43	103-0063	Seal, bearing.....	4
44	1-633585	Bearing cone.....	4
45✧	1-633581	Spacer, bearing..	4
46✧	103-0065	Wheel & tire assy	2
	1-523009	Tire, 13x6.5-6 4 ply	2
	103-0071	Wheel	2
	1-633584	Bearing cup.....	4
47	103-1918	Bushing.....	2
48	323-29	Screw, 3/8-16 x 1 3/8.....	2
49	32151-29	Ring, retaining.....	2
50	3274-18	Screw, Socket hd 5/16-18x1¼.	2
51	103-2437	Cup holder assy.....	1
52	321-2	Screw, ¼-20 x ½	1
54	3218-2	Jam nut, 5/16-18.....	2
55	103-1955-01	Weldmt, front lift shaft (LH)	1
56	103-2013-01	Weldmt, front lift w/lever(RH)	1
57	1-523157	Washer, spacer	2
58	32128-33	Nut, whizlock ¼-20	1
59	1-634439	Asm, deck lift spring(52” & 60”)	1
	103-2047	Asm, deck lift spring (72”)...	1
60	3296-59	Nut, nyloc 3/8-16 (light thin)	1
61★	103-2768	Guard, Seal.....	4
62★	103-5188	Asm, Caster Wheel w/Axle	2
63★	103-5156	Axle, Caster	2
64★✙	103-3051	Spacer, Nut	4
65★	103-5179	Asm, Wheel & Tire	2
	1-633584	Bearing cup.....	4
66	106-6572	Pad, Antiskid	2

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

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

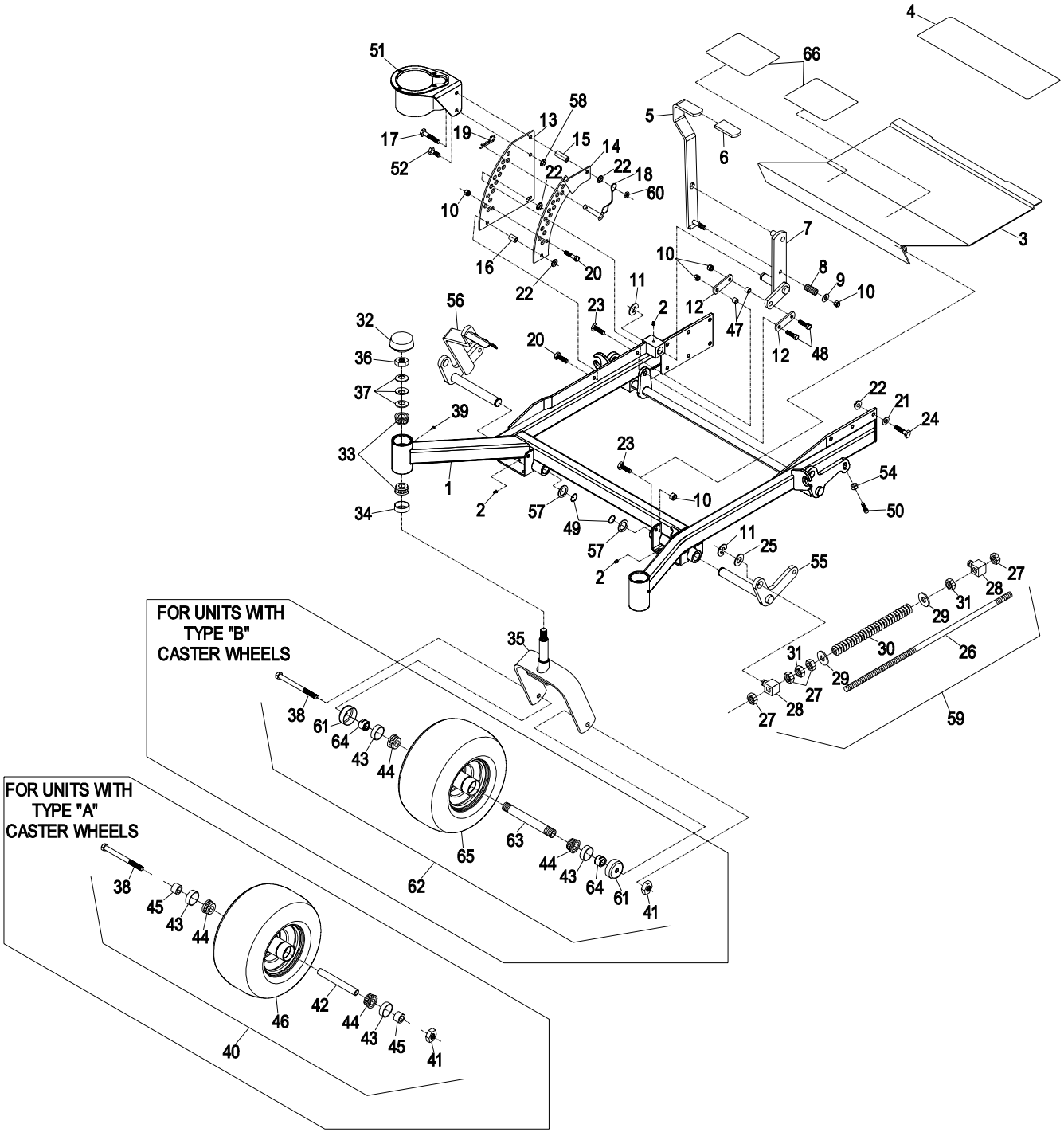
Two different versions of the caster wheel assemblies have been used on Lazer units. They are listed as assembly “A” and “B” in the diagram on the next page. Reference the diagram to determine the components for the appropriate assembly.

The items with visible differences are: Caster assembly “A” has a round spacer (item 45) with no seal guard. Caster assembly “B” has a seal guard (item 61) and spacer nut with wrench flats (item 64).

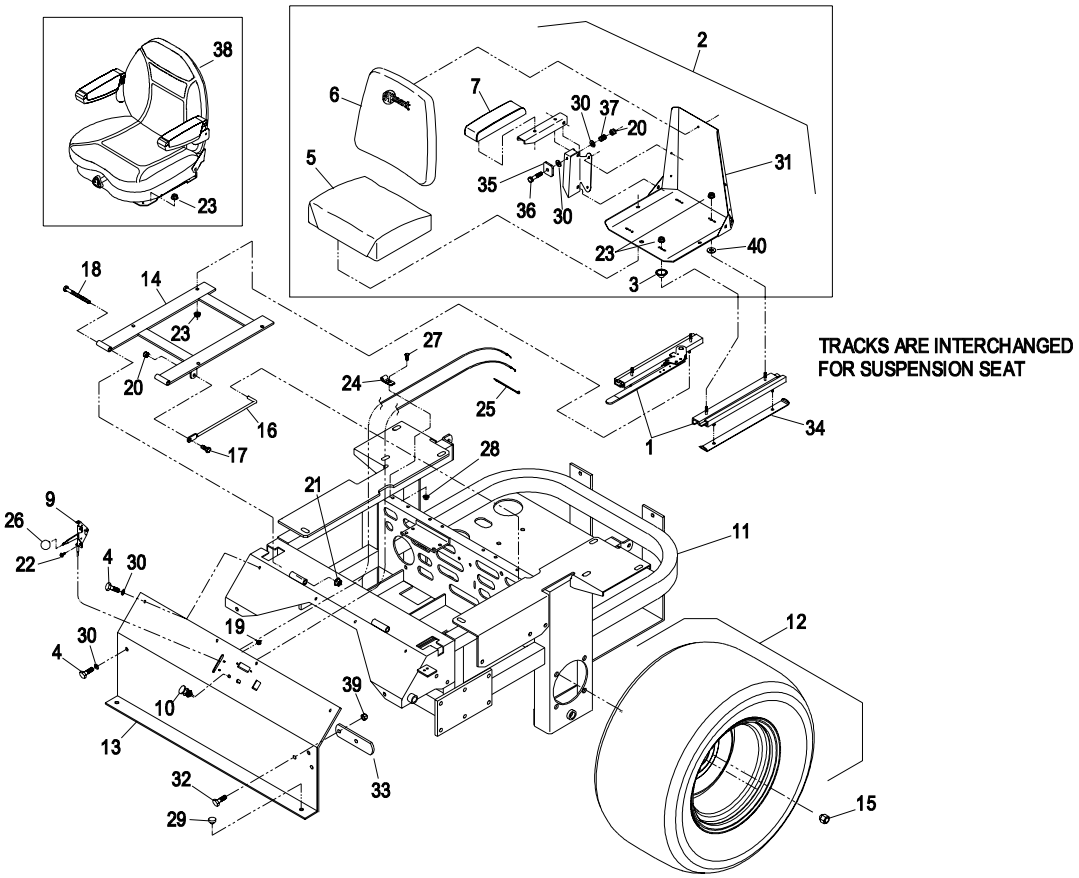
✧ Component required for Caster assembly “A” only.

★ Component required for Caster assembly “B” only.

FRONT FRAME GROUP



MAIN FRAME GROUP



Ref. No.	Part No.	Description	Qty. Req'd.
1	1-643255	Track, seat (4" adjustable)	1
2	103-0465	Seat (All units except Koh EFI)	1
3	1-543401	Spacer, seat track	2
4	322-3	Screw, 5/16-18 x 3/4	6
5	103-0290	Cushion, seat	1
6	103-0289	Cushion, backrest	1
7	103-0292	Cushion, armrest (RH)	1
8*	103-0291	Cushion armrest (LH)	1
9	1-633696	Cable, throttle	1
10	1-603336	Cable, choke	1
11	103-3277	Asm,frame (103-3128-03) w/decals	1
12	103-2743	Wheel/tire assy. (60" & 72")	2
	103-2744	Tire, 24x12-12 4 ply (60"&72")	2
	1-633992	Wheel (60" & 72")	2
	103-2769	Wheel/tire assy. (52")	2
	103-2771	Tire, 24x9.5-12 4 ply (52")	2
	1-653158	Wheel (52")	2
13	103-3335	Asm,console (1-633965-03) w/decals	1
14	1-632187-03	Frame, seat mount	1
15	242-50	Nut, wheel 1/2-20	8
16	1-633293	Rod, seat hold-up	1
17	322-5	Screw, 5/16-18 x 1	1
18	323-39	Screw, 3/8-16 x 5	2
19	3296-2	Nut, nyloc #10-24	2
20	3296-29	Nut, nyloc 5/16-18	3
21	3296-39	Nut, nyloc 3/8-16	2
22	1-807513	Screw, #10-24 x 1/2	2

Ref. No.	Part No.	Description	Qty. Req'd.
23	32128-20	Nut, whizlock 5/16-18	8
24	1-513762	Clip, loom (.50)	1
25	1-303335	Plastic tie (lrg)	1
26	1-513592	Ball, (red) throttle cable	1
27	321-6	Screw, 1/4-20 x 1.0	1
28	32128-33	Nut, whizlock 1/4-20	1
29	1-513658	Bumper	2
30	3256-23	Washer, 5/16 SAE flat	10
31	1-633859	Seat Frame	1
32	323-6	Screw, 3/8-16 x 1	2
33	1-633964-03	Stop, Park Brake	1
34♦	1-633872-03	Stop/Spacer (Koh EFI & 27 HP Kaw liq-cooled)	2
35	103-0284	Tab, Armrest Adjustment	2
36	322-7	Screw, 5/16-18 x 1 1/2	2
37	1-633349	Spring, Compression	2
38▽	1-633821	Seat,Suspension(Koh EFI)	1
	1-631845	Kit, Pan w/seat & back	1
	1-631844	Kit, Armrest Assy	1
	1-631843	Kit, Boot, upper&lower wire	1
	1-631842	Kit, ArmrestPad w/hardware	1
	1-631846	Kit, Damper w/hardware	1
	1-631847	Kit, Rollers, bumpers&hrdwre	1
	1-631848	Kit, Spring,Cable & hardware	1
	1-631849	Kit, Knob,Shaft & hardware	1
	1-643281	Switch, Seat	1
39	3290-357	Nut, whizlock 3/8-16	1
40	3256-3	Washer, 5/16 std flat	2

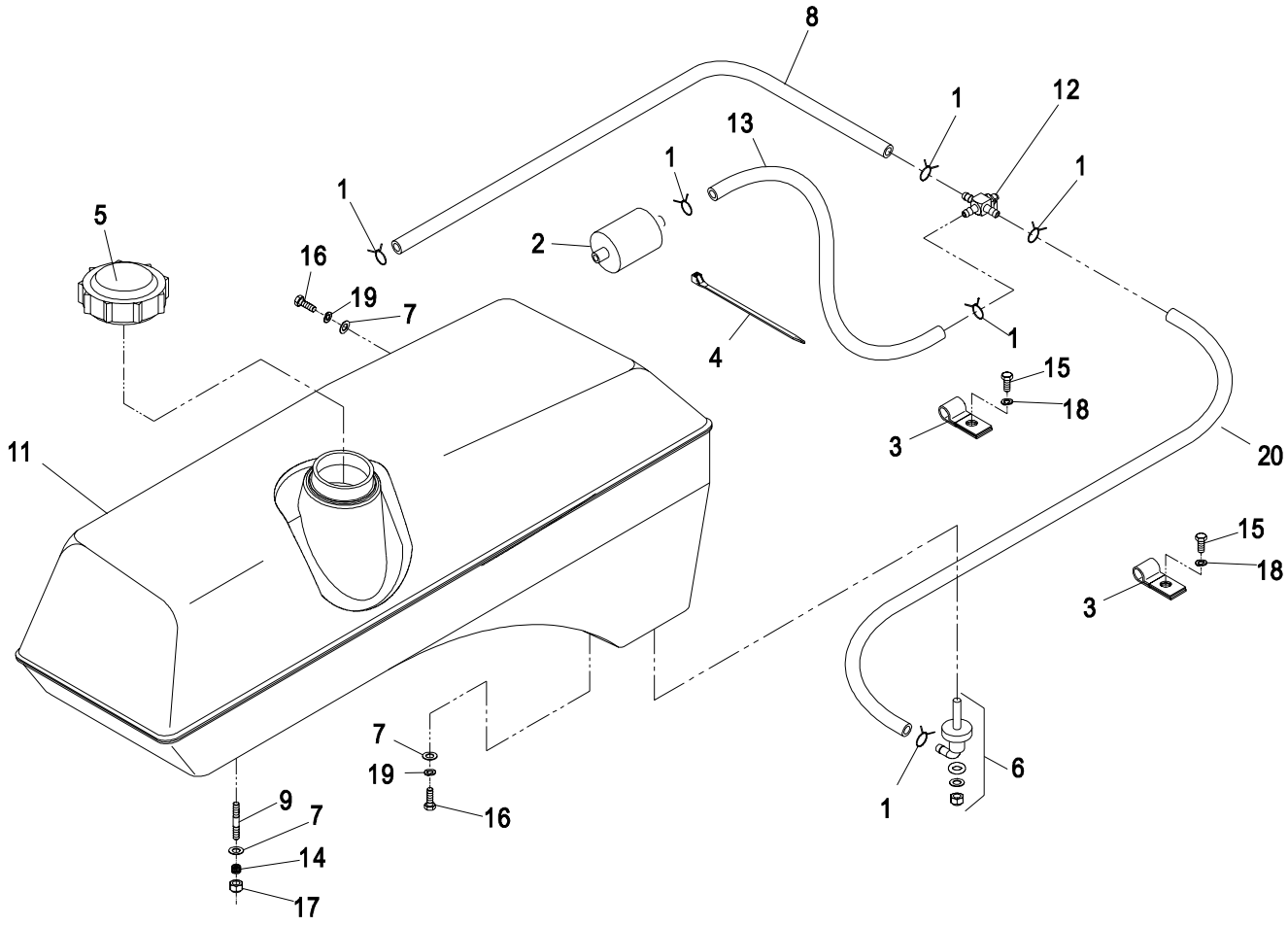
* Not Illustrated

▽ The suspension seat is standard on the Kohler EFI units, it is an optional kit on other units P/N MSSLZ.

♦ The stop/spacer is installed with the slotted holes to the rear on Kohler EFI units and the slotted holes to the front on Kawasaki liquid-cooled units. NOTE: If a Suspension Seat is installed on a Kawasaki liquid-cooled unit the stop/spacer must be turned around and re-installed with the slotted holes to the rear.

Exmark black touch up spray paint - gloss black

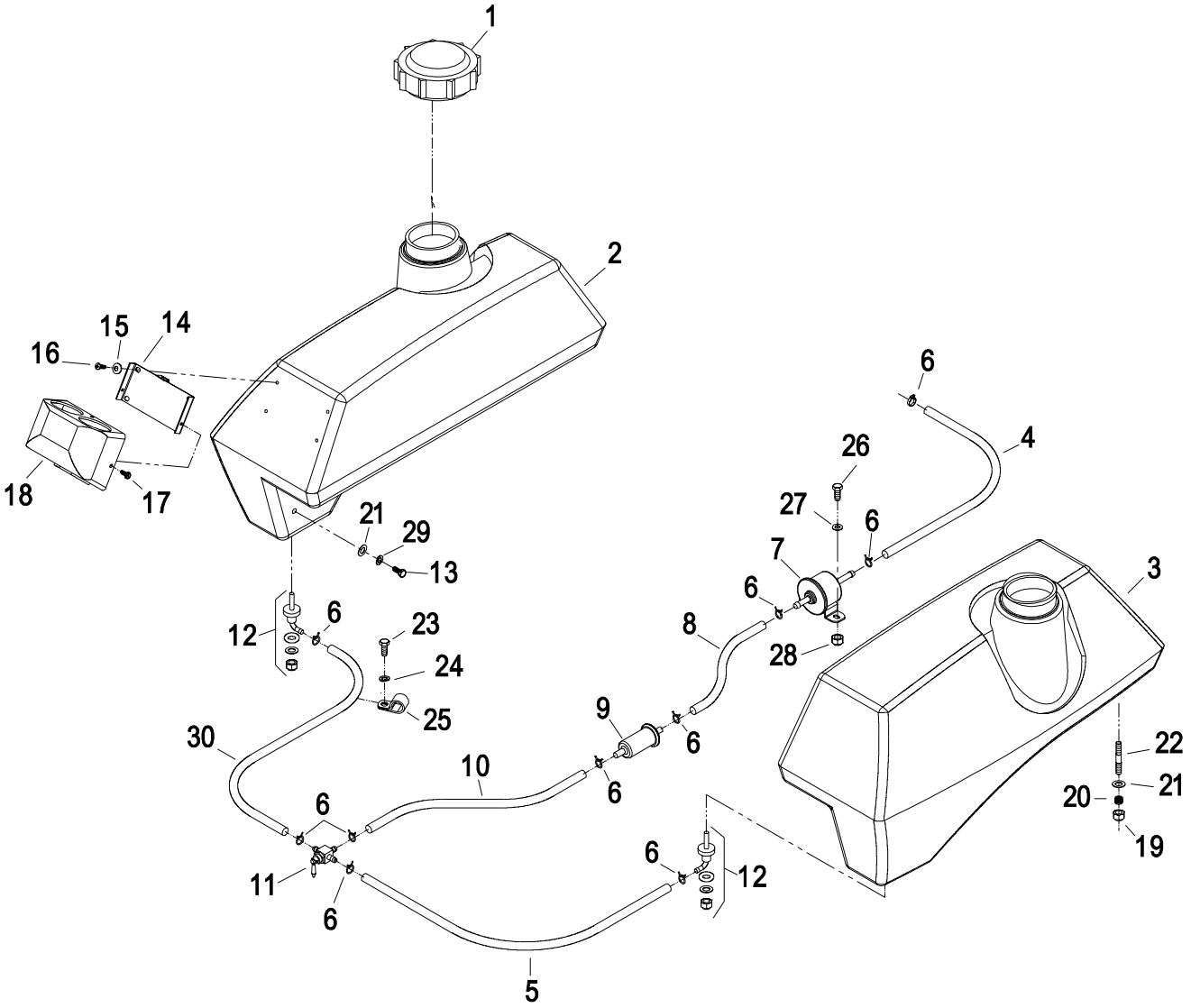
20, 23, & 27 HP KOHLER AIR-COOLED FUEL GROUP



Ref. No.	Part No.	Description	Qty. Req'd.	Ref. No.	Part No.	Description	Qty. Req'd.
1	1-303077	Clamp, fuel line	6	10∗❖	103-2132	Asm,tank fuel (LH)	1
2⌑	**Kohler**	Part No. 2405002 Fuel Filter	1	11❖	103-2133	Asm,tank fuel (RH)	1
⌑	**Kawasaki**	Part No. 49019-7001 Fuel Filter	1	12	1-633347	Valve, fuel	1
3	1-513762	Clip, loom .50	2	13	1-633348	Fuel line	1
4	1-303335	Plastic tie (large)	1	14	1-633349	Spring, fuel tank	6
5	103-2107	Cap, fuel tank	2	15	321-3	Screw, 1/4-20 x 5/8	2
6●	103-2605	Fitting,fuel blkhd w/screen	2	16	322-3	Screw, 5/16-18 x 3/4	4
	103-2784	O-ring	2	17	3296-47	Nut, thin nyloc 5/16-18	6
7	3256-23	Washer, 5/16 SAE	10	18	1-805004	Washer, lock 1/4	2
8	1-543456	Fuel line	1	19	1-805005	Washer, lock 5/16	4
9◆	1-633023	Stud, fuel tank	6	20	103-2885	Fuel line	1

◆ Use Pro-lock, Retaining type (Part No. 1-840023), .5cc tube on stud threads going into the tank.
∗ Not Illustrated.
⌑ Refer to Engine Owner's Manual (Fuel Filter **Must** be 15 Micron or smaller).
● Use Pro-lock, Nut type (Part No. 1-840022), .5ml tube on fuel fitting.
❖ Includes: Tank, Cap, Fitting & Studs.

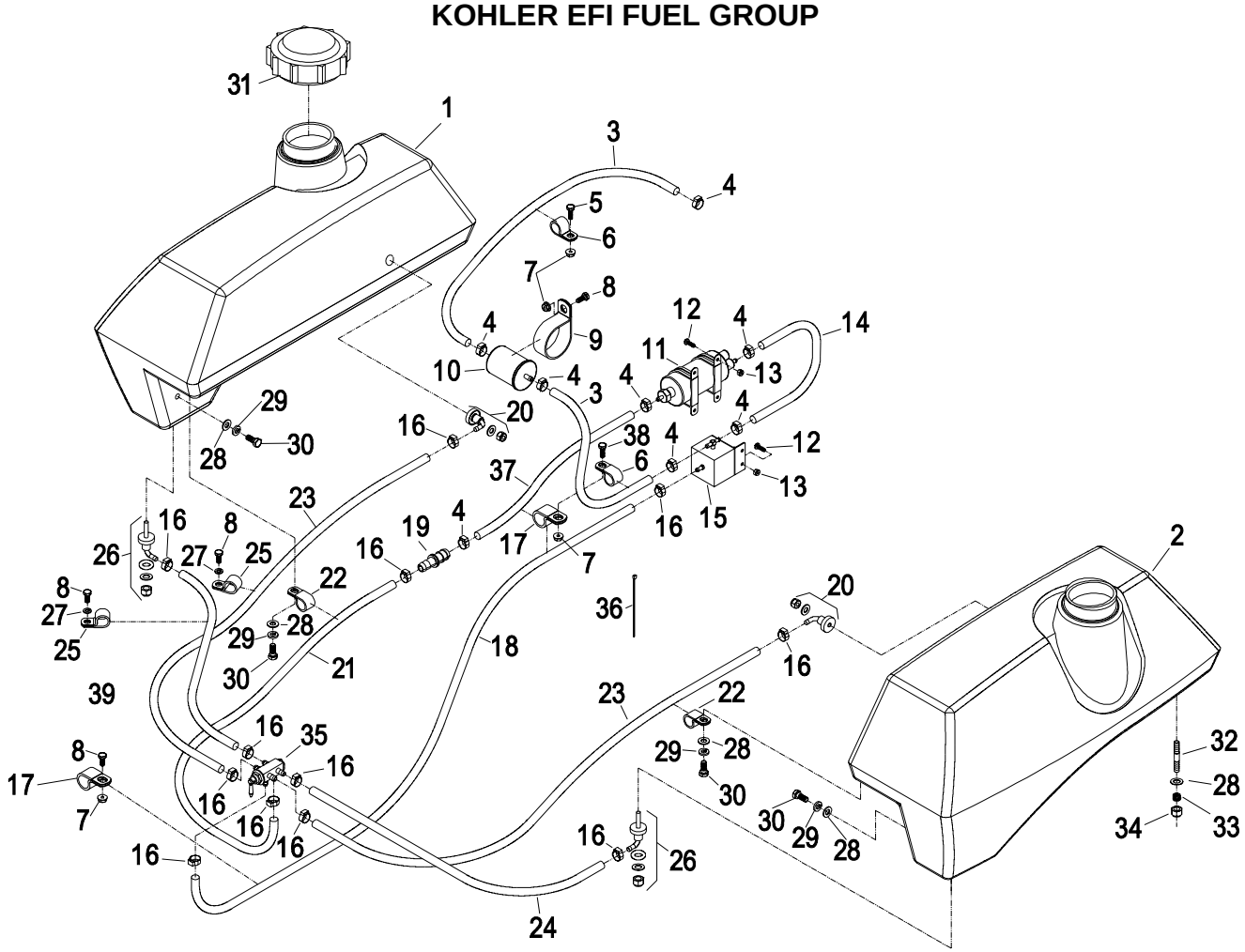
KAWASAKI LIQUID-COOLED FUEL GROUP



Ref. No.	Part No.	Description	Qty. Req'd.
1	103-2107	Cap, fuel tank	2
2❖	103-2136	Asm,tank fuel (RH)	1
3❖	103-2132	Asm,tank fuel (LH)	1
4	103-1335	Fuel, line	1
5	1-543456	Fuel line	1
6	1-303077	Clamp, fuel line	10
7⌑	**Kawasaki** P/N 49040-2065 Fuel Pump		1
8	1-643270	Fuel line	1
9⌑	**Kawasaki** P/N 49019-1055 Fuel Filter		1
10	1-303426	Fuel line	1
11	1-633347	Valve, fuel	1
12●	103-2605	Fitting,fuel blkhd w/screen	2
	103-2784	O-ring	2
13	322-3	Screw, 5/16-18 x 3/4	4
14	1-643014-03	Bracket, gauge mount	1
15	1-303435	Washer, disc spring 1/4	4
16▽	3290-500	Screw, Machine 10-24x5/8	4
17	1-802002	Screw, thread cut 10-32x1/2	3
18	1-643013	Cover, gauge	1
19	3296-47	Nut, thin nyloc 5/16-18	6
20	1-633349	Spring, fuel tank	6
21	3256-23	Washer, 5/16 SAE	10
22◆	1-633023	Stud, fuel tank	6
23	321-3	Screw, 1/4-20 x 5/8	1
24	1-805004	Washer, lock 1/4	1
25	1-513762	Clip, loom .50	1
26	321-4	Screw, Cap 1/4-20x3/4	2
27	3256-22	Washer, flat SAE 1/4	2
28	32128-33	Nut, whizlock 1/4-20	2
29	1-805005	Washer, lock 5/16	4
30	103-2885	Fuel line	1

◆ Use Pro-lock, Retaining type (Part No. 1-840023), .5cc tube on stud threads going into the tank.
⌑ Refer to Engine Owner's Manual (Fuel Filter **Must** be 40 Micron or smaller).
▽ Snug fit only on slotted holes, **Do Not Overtighten**, tank must be able to expand.
● Use Pro-lock, Nut type (Part No. 1-840022), .5ml tube on fuel fitting.
❖ Includes: Tank, Cap, Fitting & Studs.

KOHLER EFI FUEL GROUP



Ref. No.	Part No.	Description	Qty. Req'd.
1❖	103-2135	Asm,tank EFI Fuel (RH)	1
2❖	103-2134	Asm,tank EFI Fuel (LH)	1
3	103-2491	Fuel line, .31 x 24”	2
4▲	1-643277	Clamp, .31 I.D. Fuel Hose	8
5	321-4	Screw, Cap 1/4 –20 x 3/4	1
6	1-603727	Clip, Loom .56	2
7	32128-33	Nut, Whizlock 1/4-20	4
8	321-3	Screw, Cap 1/4 –20 x 5/8	3
9	1-643241	Clip, Loom 2.13	1
10⌑	**Kohler** P/N 24 050 03	Fuel Filter (large)	1
11⌑	**Kohler** P/N 24 393 20	Fuel Pump	1
12	3290-500	Screw, Machine #10-24x5/8	6
13	3296-2	Nut, Nyloc #10-24	6
14	103-2490	Fuel Line, .31 x 9	1
15⌑	**Kohler** P/N 24 403 12	Fuel Regulator	1
16▲	1-643293	Clamp, .25”	12
17	1-643312	Clip, loom	2
18	103-2492	Fuel line, .25 x 40”.	1
19	103-2595	Connector,.25 x .31	1
20●	103-2615	Fitting,fuel blkhd w/o screen	2
	103-2784	O-ring	2

Ref. No.	Part No.	Description	Qty. Req'd.
21	1-603955	Fuel line, .25 x 6	1
22	103-0373	Clip, Loom	2
23	1-633348	Fuel Line	2
24	1-543456	Fuel Line	1
25	1-513762	Clip, loom .50	2
26●	103-2605	Fitting,fuel blkhd w/screen	2
	103-2784	O-ring	2
27	1-805004	Washer, lock 1/4	2
28	3256-23	Washer, flat SAE 5/16	10
29	1-805005	Washer, lock 5/16 hvy	4
30	322-3	Screw, 5/16-18 x 3/4	4
31	103-2107	Cap, Fuel Tank	2
32◆	1-633023	Stud, Fuel Tank	6
33	1-633349	Spring, Fuel Tank	6
34	3296-47	Nut, Thin Nyloc 5/16-18	6
35	1-643234	Valve, Fuel Dual Flow	1
36	1-303287	Plastic Tie (small)	1
37	1-643239	Fuel line, .31 x 28.0	1
38	321-6	Screw, Cap 1/4-20 x 1	1
39	103-2885	Fuel line	1

◆ Use Pro-lock, Retaining type (Part No. 1-840023), .5cc tube on stud threads going into the tank.

⌑ Refer to Engine Owner’s Manual (Fuel Filter **Must** be 40 Micron or smaller).

▲ Clamps require special pliers P/N 1-643394 (Oetiker P/N 14100118 or Kohler P/N 2445505) for installation.

❖ Includes: Tank, Cap, Fitting & Studs.

● Use Pro-lock, Nut type (Part No. 1-840022), .5ml tube on fuel fitting.

PARK BRAKE GROUP

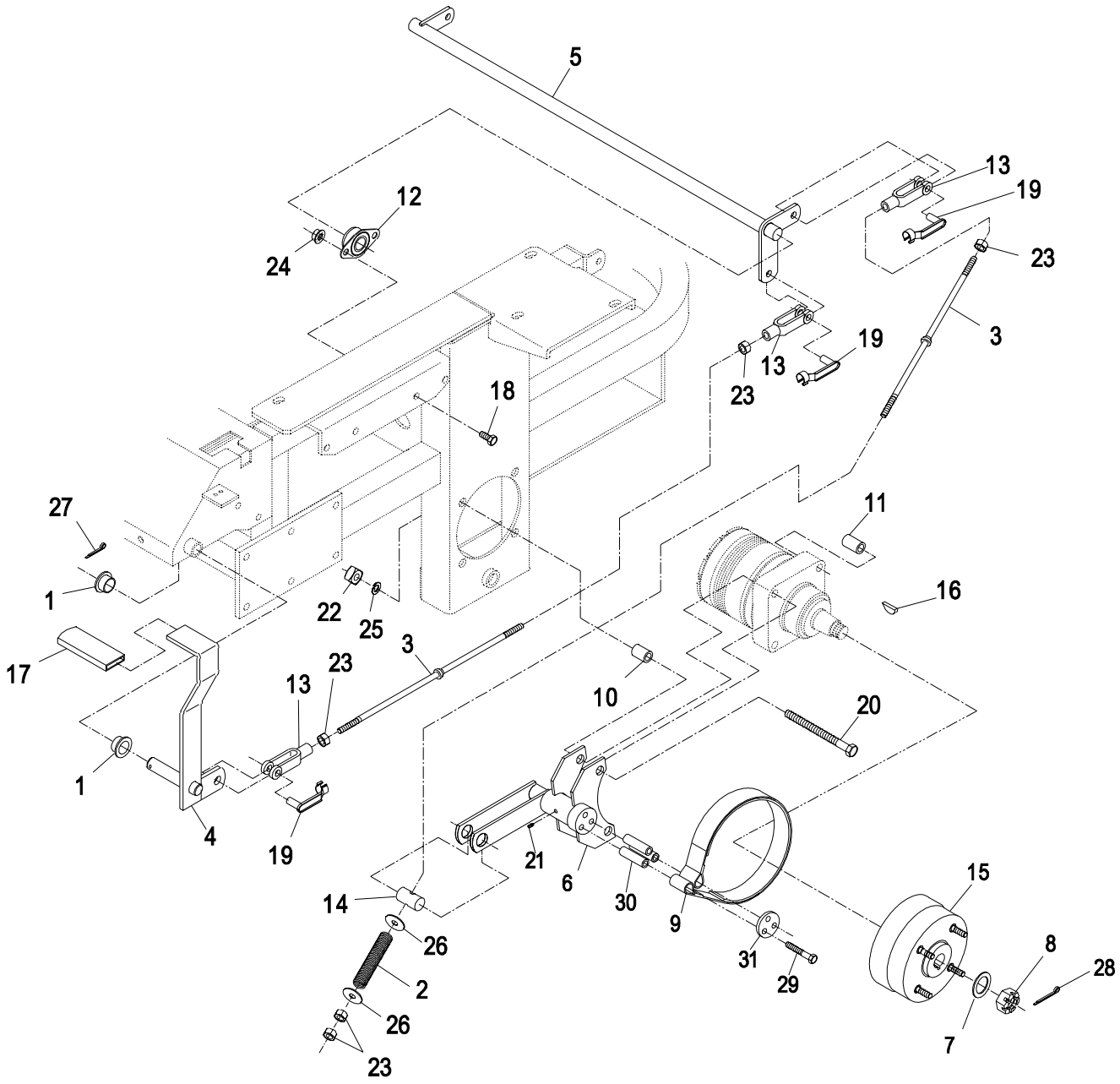
Ref. No.	Part No.	Description	Qty. Req'd.
1	1-513140	Bushing	2
2	1-633454	Spring, brake rod	2
3	1-633477	Rod, brake	3
4	1-634500	Lever (1-632489-03)w/grip	1
5	1-632217-03	Shaft, brake	1
6	103-0352-03	Bracket, brake (52"&60")	2
	103-0354-03	Bracket, brake (72")	2
7	1-523157	Washer, spacer	2
8	1-809036	Nut, slotted 1.00-20	2
9	103-0355	Band, brake	2
10	1-633380	Spacer (short)(52"&60")	4
♦	1-633060	Spacer (short) (72")	4
11	1-633382	Spacer (long)(52"&60")	4
♦	1-633062	Spacer (long)(72")	4
12	1-633102	Bearing, flange	2
13	1-633131	Yoke	4
14	1-633144	Pin, trunion	2
15	103-0590	Hub & drum w/studs, wheel	2
♦	1-633926	Studs, wheel	8

Ref. No.	Part No.	Description	Qty. Req'd.
16	3257-42	Woodruff key, 5/16X1	2
17	1-633268	Grip, brake lever	1
18	323-4	Screw, 3/8-16 x ¾	4
19	103-2399	Pin, clevis spring 3/8	4
20	325-17	Screw, 1/2-13 x 4 (52"&62")	8
	1-800334	Screw, 1/2-13 x 6 (72")	8
21	1481	Zerk, 1/4-28 45° (52"&60")	2
	302-19	Zerk, 1/4-28 straight (72")	2
22	103-0131	Nut, sq. reg. ½ -13 UNC-2B	8
23	3219-3	Nut, 3/8-24	8
24	3290-357	Nut, whizlock 3/8-16	4
25	3253-7	Washer, lock ½	8
26	3256-4	Washer, 3/8 std	4
27	3272-10	Pin, cotter 1/8 x ¾	1
28	1-806800	Pin, cotter 9/64 x 1 ½	2
29	322-9	Screw, 5/16-18x1 ¾	6
30	103-0384	Spacer	6
31	103-0374	Retainer, brake band	2

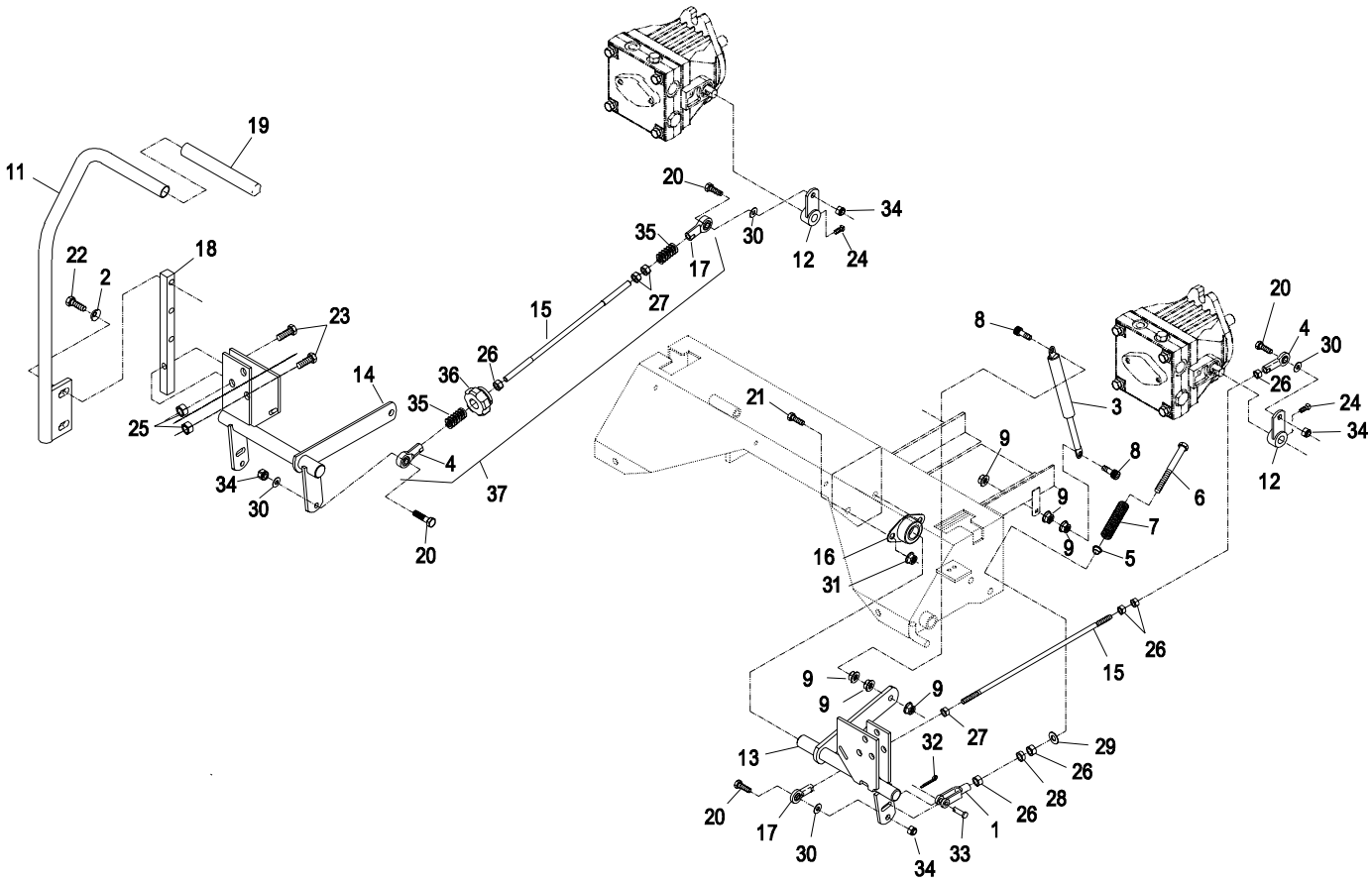
♦ Not Illustrated

Exmark black touch up spray paint - gloss black

PARK BRAKE GROUP



MOTION CONTROL LEVERS



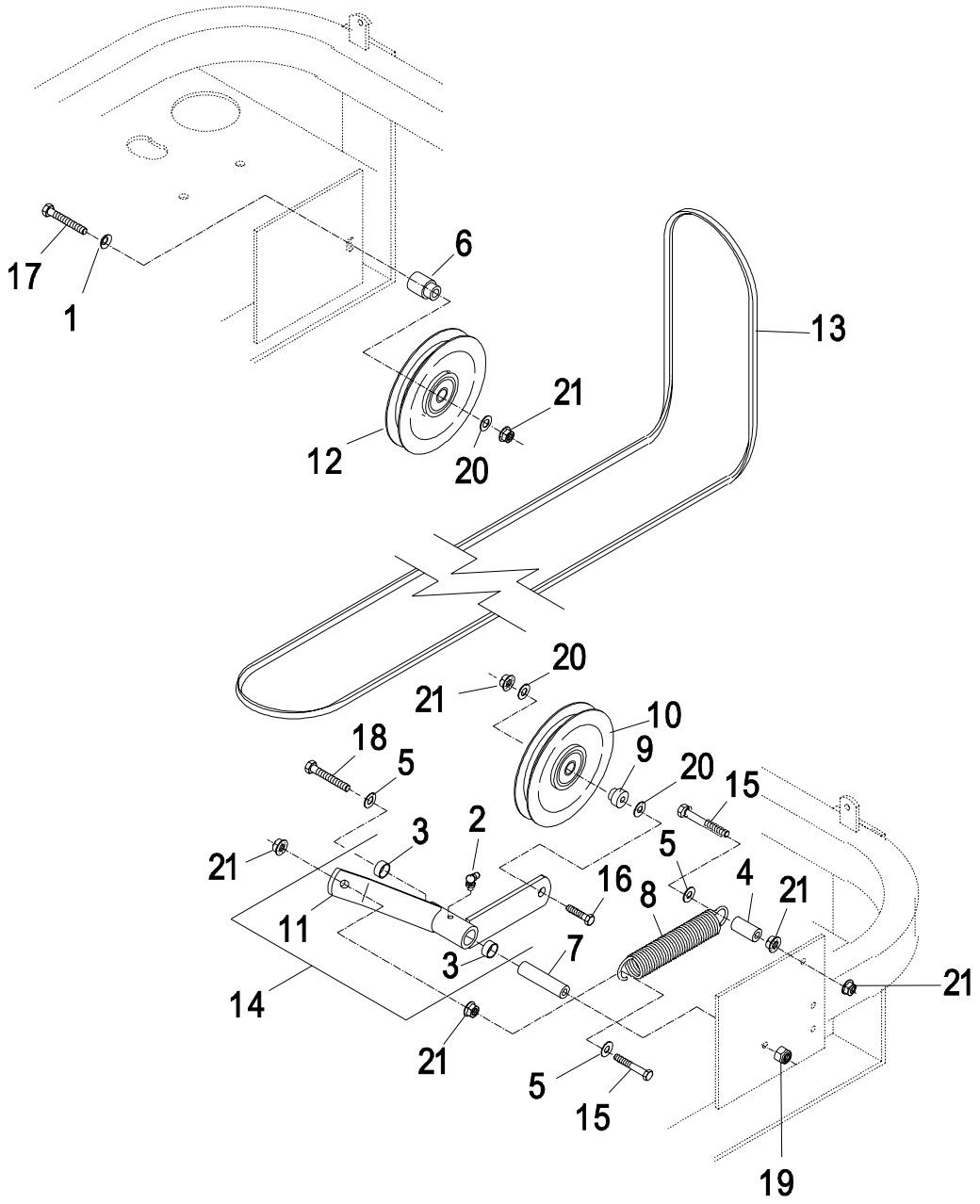
Ref. No.	Part No.	Description	Qty. Req'd.
1	1-303105	Yoke	2
2	98-5975	Washer, disc spring 3/8	4
3	103-4079	Damper	2
4	1-543017	Ball joint (RH)	2
5	1-603735	Bushing,nylon (reverse ind)	2
6	1-603737	Bolt, (neutral return)	2
7	1-603807	Spring, (neutral return)	2
8	1-403180	Screw, 5/16-18x1 3/8 special	4
9	32128-20	Nut, whizlock 5/16-18	12
10*	103-0631	Handle (103-0409-03) w/grip (LH)	1
11	103-0632	Handle (103-0410-03) w/grip (RH)	1
12	1-632208	Arm, pump control	2
13	1-642319	Bracket, motion control (LH)	1
14	1-642320	Bracket, motion control (RH)	1
15	103-3064	Link,tracking rod	2
16	1-633102	Bearing, flanged	4
17	1-633152	Ball joint (LH)	2
18	103-0407	Arm, control shaft	2
19	1-633257	Grip, motion control handle	2
20	322-6	Screw, 5/16-18 x 1 1/4	4
21	323-4	Screw, 3/8-16 x 3/4	8
22	323-7	Screw, 3/8-16 x 1	4
23	323-9	Screw, 3/8-16 x 1 3/4	6
24◊	1-803022	Set screw, 5/16 x 5/8	2
25	3296-39	Nut, nyloc 3/8-16	6
26	3219-2	Nut, 5/16-24	8
27	1-804524	Nut, 5/16-24 (LH)	3
28	3220-2	Nut, jam 5/16-24	2
29	3256-2	Washer, 1/4	2
30	3256-3	Washer, 5/16 std	4
31	3290-357	Nut, whizlock 3/8-16	8
32	3272-5	Pin, cotter 3/32 x 1/2	2
33	1-808280	Pin, clevis 5/16 x 1	2
34	3296-29	Nut, nyloc 5/16-18	4
35	1-323245	Spring, compression	2
36	103-3060	Knob,tracking	1
37	103-3061	Asm, tracking rod	1

Exmark black touch up spray paint - gloss black

* Not Illustrated.

◊ Use Pro-Lock, Nut Type (Part No. 1-840022, .5ml tube) on setscrews

COMMON ENGINE DECK GROUP



Ref. No.	Part No.	Description	Qty. Req'd.
1	98-5975	Washer, spring disc 3/8	1
2	302-40	Zerk, 1/4-20 (90º)	1
3	1-513034	Bearing	2
4	1-603401	Spacer, spring	1
5	3256-4	Washer, 3/8	3
6	103-2627	Bushing, idler	1
7	1-603384	Bushing, idler pivot	1
8	1-603402	Spring, mule idler	1
9	1-603496	Bushing, idler	1
10	1-603805	Pulley, idler	1
11	103-3144-03	Arm, idler	1
12	1-633166	Pulley, idler	1
13✳	103-4092	Belt, mule drive kit	1
✧	103-4014	Belt, mule drive	1
14	103-3147	Arm, idler w/bushings	1
15	323-11	Screw, 3/8-16 x 2 1/4	2
16	323-9	Screw, 3/8-16 x 1 3/4	1
17	323-13	Screw, 3/8-16 x 2 3/4	1
18	1-800805	Screw, 3/8-16 x 3 1/2	1
19	3296-39	Nut, nyloc 3/8	1
20	3256-24	Washer, 3/8 sae	3
21	3290-357	Nut, whizlock 3/8-16	6

Exmark black touch up spray paint - gloss black

✳ For S/N 370,000 – 398,999 Note: Adjustment of the rear deck strut length may be required per instruction sheet included in kit.

✧ For S/N 399,000 and higher.

AIR-COOLED ENGINE DECK GROUP

Ref. No.	Part No.	Description	Qty. Req'd.
1	1-643315	Baffle,Engine Cooler (27HP& Koh EFI)	1
2	1-303335	Plastic tie	2
3	1-523420	Bumper, rubber	2
4	322-6	Screw, cap 5/16x 1 1/4	1
5	1-633630	Grommet (all clutches)	2
6	1-603610	Washer, spring disc(all clutches)	2
7	1-633615-03	Guard, rear engine	1
8	1-633543-03	Strap, clutch (all clutches)	1
9	103-3245	Clutch (103-3131) kit (20 & 23HP Koh)	1
	103-3246	Clutch (103-3132) kit (27HP Koh)	1
	103-4000	Clutch (103-4057) kit (Koh EFI)	1
	103-3012	Kit, brake pole module	1
10	1-633453	Spacer (20&23HP Koh)	1
	1-633179	Spacer (27HP& Koh EFI)	1
11	103-3340	Asm,shield w/decals (Koh)	1
12	103-1308	Shield, engine	1
13	1-633300-03	Shield, lift (Koh)	1
14	1-634796	Shield (LH) - subassy (Koh)	1
15	1-633301	Shield, heat (Koh)	2
16	1-633795-03	Baffle, engine (LH)	1
17	1-643313-03	Shield, muffler	1
18	1-644316	Shield (RH) - subassy (Koh)	1
19	1-523285	Clip, shield (Koh)	2
20	1-633794-03	Baffle, engine (RH)	1
21	322-19	Screw, 5/16-18x4	1
22	321-4	Screw, 1/4-20 x ¾	10
23	1-613235	Washer	4
24	323-6	Screw,3/8-16x1(20,23,27HP Koh)	8
	323-6	Screw,3/8-16 x 1 (Koh EFI)	9
25⌑	3212-10	Screw,7/16-20x2 ½ (Koh) (all clutches)	1
26	1-803035	Rivet, 3/16 x ¼ (Koh)	11
27	3296-42	Nut, nyloc 1/4-20	6
28	1-643264-03	Bracket, guard top	2
29	3256-2	Washer, 1/4 std	4
30	3256-3	Washer, 5/16 std (all clutches)	1
31	32128-20	Nut,whizlock 5/16-18	2
32	3290-357	Nut,whzlck 3/8-16 (20,23&27HP Koh)	14
	3290-357	Nut,whzlck 3/8-16(Koh EFI)	15
33	32128-33	Nut, whizlock 1/4-20	6
34	1-633396	Clip, loom .56	1
35	1-809076	Screw, M6-1.0 x 45mm (20,23&27 hp Koh)	2
	1-809108	Screw, self tapping 5/16-18x1.75 (Koh EFI)	2
36	1-323235	Washer, disc spring (20,23&27 hp Koh only)	2
37	1-323236	Spacer	2
38	1-633545	Spacer, Grommet (all clutches)	2
39	1-633988	Spacer, clutch anchor	1
40	103-3247	Kit,clutch jumper harness (103-2931)	1
	103-4001	Kit,clutch jumper harness (103-3911)(Koh EFI)	1
41	3256-63	Washer, 3/16 std.	6
42▽	103-1996	Valve, oil drain long (Koh)	1
43*	103-2459	Muffler,kit (Koh EFI)	1
44	9266934	Screw, 5/16-18x.5 (Koh EFI)	2
45	324-2	Screw, 7/16-14x.75 g5 (Koh EFI)	2
46	3253-6	Washer, Lock 7/16 (Koh EFI)	2
47	33014-00	Nut, Hex M8 1.25 (Koh EFI)	4
48	1-805005	Washer, Lock 5/16hvy (Koh EFI)	4
49	98-5975	Washer, spring disc 3/8	4
50	1-653291	Gasket (Koh)	2
51	103-1513	Arrester,Spark (1.25) (Koh EFI)	1
52	103-1514	Clamp,Muffler (1.38) (Koh EFI)	1
53	323-9	Screw, 3/8-16 x 1 ¾	4
54❖	103-3535	Kit,cable heat shield(103-3388)	1
55	321-4	Screw, 1/4-20x 3/4	1

▽ Use a Teflon Pipe Sealant or equivalent on threads.

⌑ Use Pro-Lock, Nut Type (P/N 1-840022, .5ml tube) on clutch bolt.

* The muffler for 20, 23 & 27 HP Kohler units comes with the engine. Exmark black touch up spray paint - gloss black

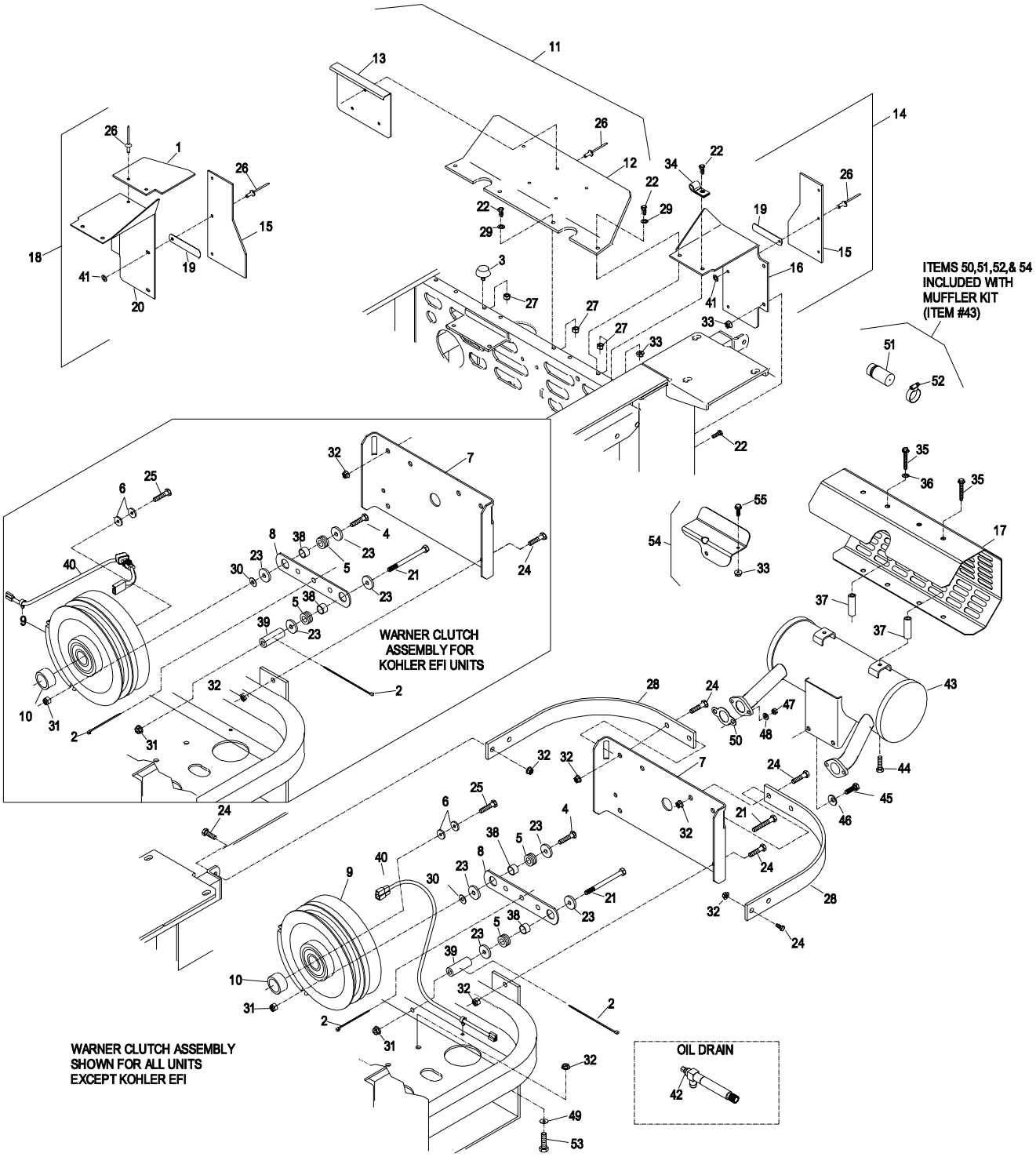
❖ Standard with Kohler EFI units, available as a kit to fit all Kohler units.

Kohler Replacement Parts List

(Refer to Engine Owner's Manual)

Description	Kohler Part No.
Engine Oil Filter	5205002
Engine Air Filter	2508301
Safety Filter	2508304

AIR-COOLED ENGINE DECK GROUP



KAWASAKI LIQUID-COOLED ENGINE DECK GROUP

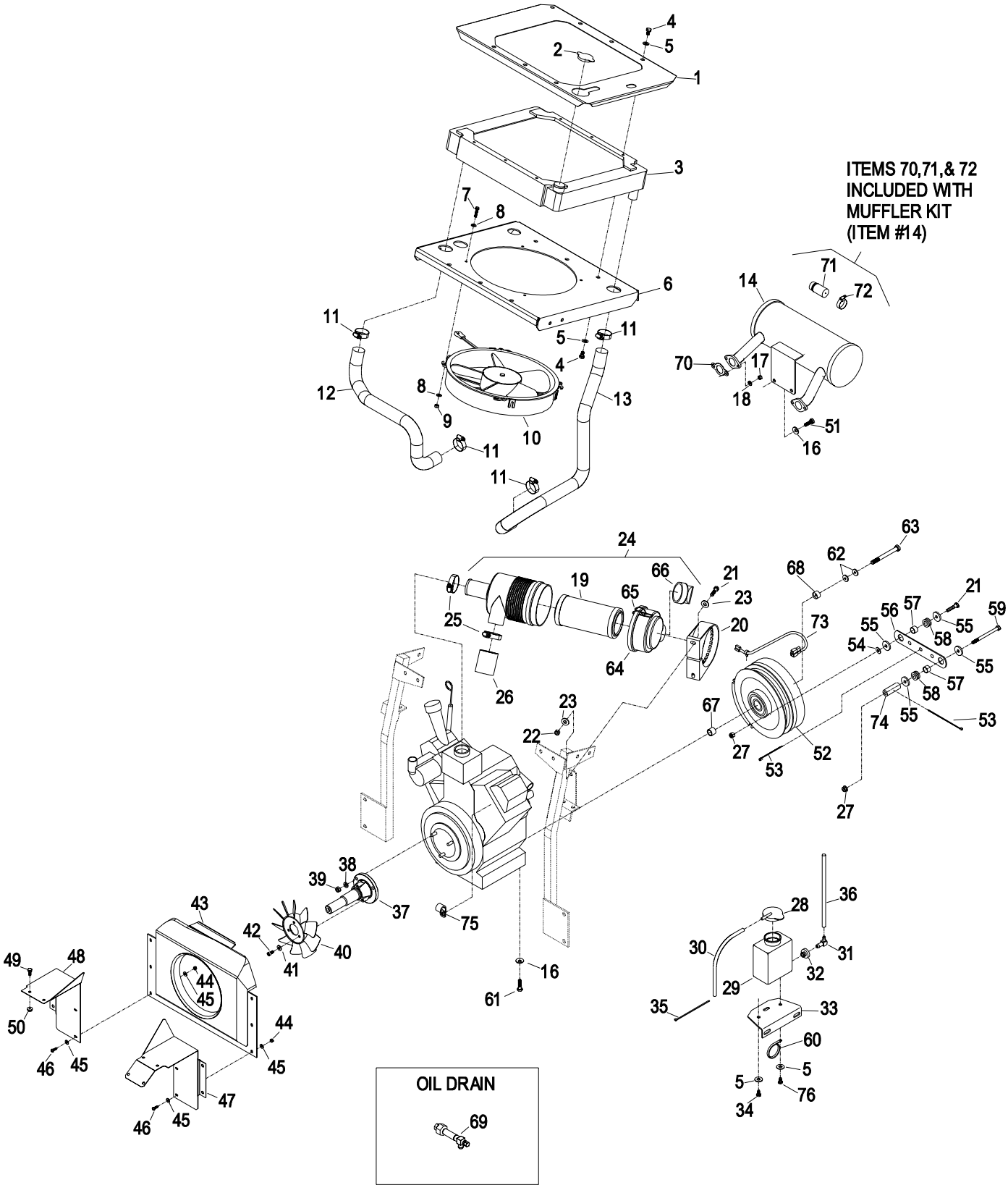
Ref No.	Part No.	Description	Qty. Req'd.
1	103-3342	Asm,radiator trim (1-633902-03) w/decals	1
2	1-643161	Cap, Radiator	1
3	103-1046	Radiator, horiz. Mount	1
4	322-1	5/16-18x1/2 HHC Screw	12
5	3256-23	Washer, Flat SAE 5/16	14
6	103-3343	Asm,fan mnt plate (1-633888-03) w/decals	1
7	1-803067	Scrw,12-24x1.0HSWHMach	4
8	3256-16	Washer, Flat Std #12	8
9	1-804254	Nut, Nyloc HH #12-24	4
10	1-633831	Fan Assy, 12" Hi Profile	1
11	1-633989	Clamp,Hose-worm .75-1.50	4
12	103-0074	Hose, Radiator Inlet	1
13	103-0075	Hose, Rad. Outlet	1
14	103-1557	Muffler,kit	1
16	98-5975	Wshr, Disc Sprg 3/8	6
17	33013-00	Nut, Hex M6	4
18	1-805004	Washer, Lock 1/4 Hvy	4
19	93-2195	Element, filter Primary	1
20	95-5806	Bracket, air cleaner mount	1
21	322-6	Screw, Cap 5/16-18x1-1/4	3
22	3296-29	Nut, Nyloc 5/16-18	2
23	3256-3	Washer, Flat Std 5/16	4
24	95-5805	Cleaner, remote air w/filter	1
25	1-643009	Clamp, Hose 1.31-2.25	2
26	1-643084	Hose, Air inlet	1
27	32128-20	Nut, Whzlck 5/16-18	2
28	1-643164	Cap, Overflow Tank	1
29	1-643163	Tank, Overflow (2.0 pts)	1
30	1-643131	Hose, .25 ID x 22.00"	1
31	1-643259	Elbow, 90deg	1
32	1-513645	Bushing, Fuel valve	1
33	103-2603-03	Bracket, Bottle	1
34	321-2	Screw, Cap Hex 1/4-20x1/2	1
35	1-303287	Plastic Tie 5.5x.044x.1	3
36	1-643129	Hose, .31 ID x 27.00"	1
37	1-633851	Extension, Crankshaft	1
38	1-805005	Washer, Lock 5/16	3
39	33014-00	Nut, Hex M8	3
40	1-633869	Fan, Pump Cooling	1
41	3256-22	Washer, Flat SAE 1/4	3
42	1-809095	Screw,HexScket 1/4-20x1/2	3
43	103-0098	Shroud, Hydraulic Fan	1
44	3296-2	Nut, Nyloc #10-24	6
45	3256-14	Washer, Flat Std #10	12
46	3290-500	Screw, Mach #10-24x5/8	6
47	103-0895-03	Shield, LH Liquid	1
48	1-633794-03	Shield, RH Eng Shield	1
49	321-4	Screw, Cap HH 1/4-20x5/8	6
50	32128-33	Nut, Whizlock 1/4-20	6
51	33115-020	Screw, M10-1.5x20mm	2
52	103-3244	Clutch (103-2453) Kit	1
	103-3012	Kit, brake pole module	1
53	1-303335	Tie, plastic	1
54	3256-3	Washer, 5/16 std	1
55	1-613235	Washer	4
56	1-633543-03	Strap, Clutch/Brake	1
57	1-633545	Spacer, Grommet	2
58	1-633630	Grommet	2
59	322-19	Screw, Cap HH 5/16-18x4.0	1
60	103-0113	Clip, loom	1
61	33115-025	Screw, M10-1.5x25mm	4
62	1-603610	Washer, disc spring 7/16	2
63☆	33115-035	Screw, Cap M10x1.5x35mm	1
64	94-3652	Cover w/latch	1
65	1-643283	Latch, Air cleaner	2
66	87-9400	Vacuator Valve	1
67	103-0114	Spacer, Clutch	1
68	103-0152	Keeper, Clutch	1
69	103-3068	Valve, Oil Drain	1
70	103-1564	Gasket, Exhaust	2
71	103-1511	Arrester, Spark (1.50)	1
72	103-1512	Clamp, Muffler (1.63)	1
73	103-3247	Kit,clutch jumper harness (103-2931)	1
74	1-633988	Spacer,clutch anchor	1
75	1-633396	Clip,loom .56	1
76	321-3	Screw,Cap HH 1/4x20-.625	1

Replacement Engine Oil Filter - **Kawasaki** Part No. 49065-2078

Exmark black touch up spray paint – gloss black

☆ Use Pro-lock, Nut type (PN 1-840022, .5ml tube) on clutch bolt.

KAWASAKI LIQUID-COOLED ENGINE DECK GROUP



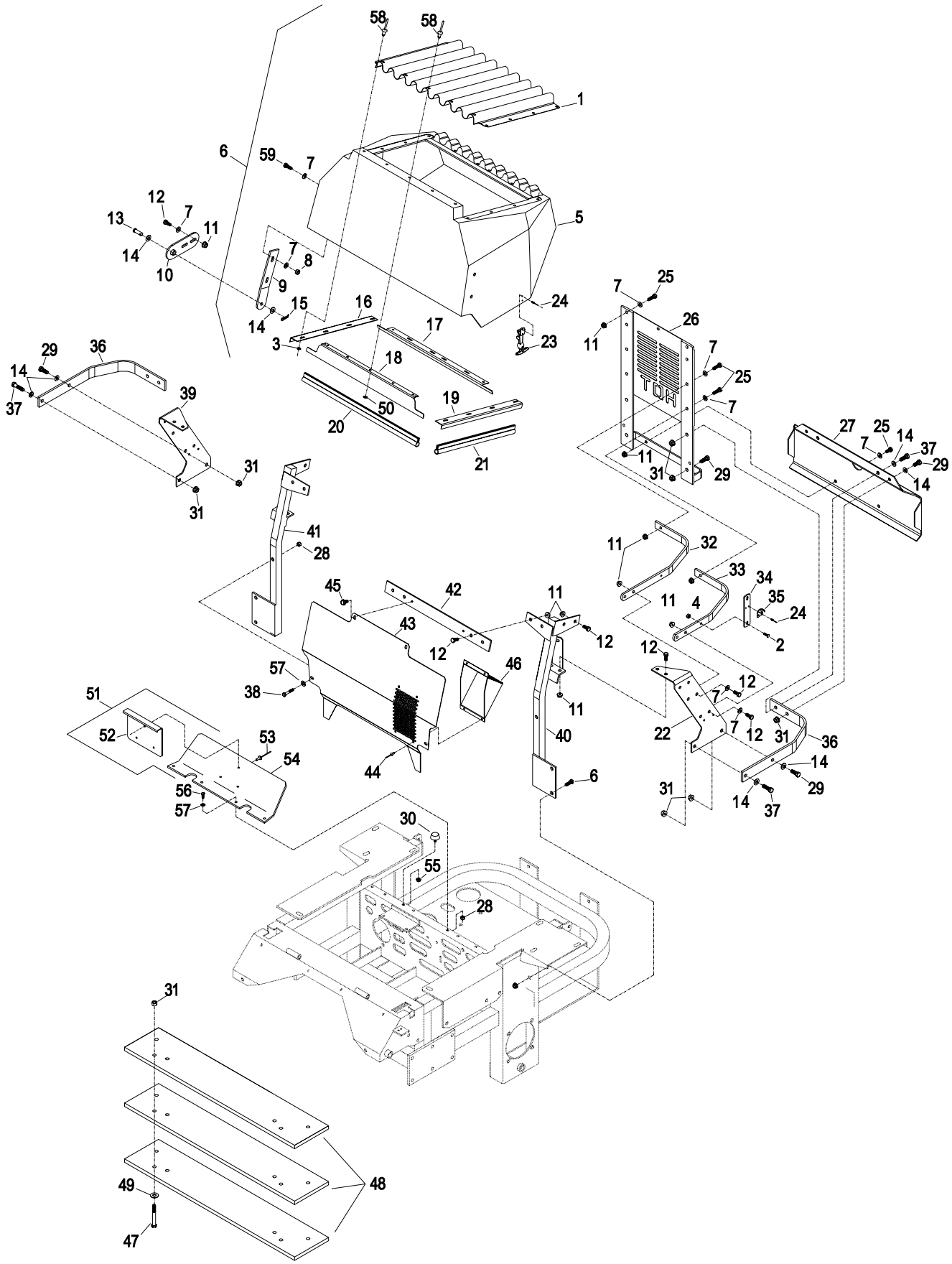
KAWASAKI LIQUID-COOLED ENGINE DECK GROUP (cont.)

Ref. No.	Part No.	Description	Qty. Req'd.
1	1-633864-03	Screen, Radiator Intake	1
2	1-803075	Screw,10-24X.75	4
3	3256-14	Washer, Flat Std #10	8
4	3296-2	Nut, Nyloc #10-24	4
5	1-633857	Hood, Engine Gray	1
6☆	103-1044	Hood Assembly	1
7	3256-23	Washer, Flat SAE 5/16	21
8	3296-29	Nut, Nyloc 5/16-18	4
9	1-633885-03	Plate, Hood Hinge	2
10	1-632986-03	Hinge, Shackle wld	2
11	32128-20	Nut, Whizlock 5/16-18	37
12	322-3	Screw,Cap 5/16-18x3/4	24
13	1-808285	Pin, Clevis 3/8x1 1/8	2
14	3256-24	Washer, Flat SAE 3/8	12
15	1-806003	Pin, Hair Cotter .080 #2	2
16	1-643106-03	Angle, Rad. Trim Side RH.	1
17	1-643108-03	Angle, Rad. Trim Bottom	1
18	1-643107-03	Angle, Rad. Trim Top	1
19	1-643105-03	Angle, Rad. Trim Side LH	1
20	1-643187	Seal, Trim - 20" Length.	2
21	1-643186	Seal, Trim - 14" Length	2
22	103-0896-03	Plate, Side Rad. Mnt. LH	1
23	1-643188	Latch, EPDM Rubber	2
24	923786	Pop Rivet.	8
25	322-5	Screw, Cap 5/16-18x1	9
26	1-632873-03	Radiator Mount weld-rear	1
27	1-633886-03	Bumper, Rear	1
28	3296-42	Nut, Nyloc 1/4-20	6
29	323-6	Screw, Cap Hex 3/8-16x1	6
30	1-523420	Bumper, rubber	2
31	3290-357	Nut, Whizlock 3/8-16	14
32	1-633897-03	Rib, Top	2
33	1-633898-03	Rib, Bottom	2
34	1-633877-03	Bar, Latch Hook	2
35	1-643189	Keeper, Rubber Latch	2
36	1-633896-03	Bar, Rad. Mnt. Frame	2
37	323-7	Screw,Cap HH 3/8-16x1-1/4	4
38	323-9	Screw,Cap HH 1/4-20x1 1/2	2
39	103-0897-03	Plate, Side Rad. Mnt. RH	1
40	103-0107-03	Brace, Radiator-LH	1
41	1-632985-03	Brace, Radiator-RH	1
42	1-633878-03	Crossbar	1
43	103-2870-03	Deflector, Air	1
44	3269-3	Pop Rivet- Stl 3/16x.250	4
45	49-2040	Screw, Tapping1/4-20x.75.	2
46	103-0110-03	Plenum, Air intake	1
47	323-14	Screw, 3/8-16x3 (60")	4
	323-6	Screw, 3/8-16x1 (72")	4
48	103-2099-01	Weight Bar (60")	3
	100-2333-01	Weight Bar (72")	1
49	98-5975	Washer, 3/8 disc spring	4
50	1-303435	Washer, Spring Disc .25	5
51	103-3340	Asm,lift shield w/decals	1
52	1-633300-03	Shield, lift	1
53	1-803035	Rivet, Alum. 3/16x1/4	3
54	103-1308	Shield, engine	1
55	32128-33	Nut, Whizlock 1/4-20	2
56	321-4	Screw, 1/4-20x3/4	4
57	3256-2	Washer, 1/4 std	6
58	1-803072	Rivet, Bulbex .19 x1.07	17
59	322-4	Screw,Cap HH 5/16-18x7/8	8

Exmark black touch up spray paint – gloss black

☆ Hood assembly comes with back logo decal, side decals need to be ordered separately.

KAWASAKI LIQUID-COOLED ENGINE DECK GROUP (cont.)



HYDRAULIC GROUP

Ref. No.	Part No.	Description	Qty. Req'd.
1	103-1947	Asm,reservoir w/decal	1
2	103-1948	Cap,hydraulic reservoir	1
3	103-1949	Gasket,reservoir cap	1
4	104-7836	Head,filter	1
5	1-513211	Element,hydraulic oil filter	1
♦	1-523541	Element,hydraulic filter (winter)	1
6	103-1988	Clamp,hose (11/16)	4
7	103-1716	Clamp,hose (17/32)	3
8	103-1826	Asm,hose hydraulic	1
9	103-1827	Asm,hose hydraulic	1
10	103-1808	Hose,hydraulic	1
11	103-1806	Asm,case drain hose	1
12	103-1807	Elbow,45°	1
	1-603921	Boss O-ring	
13	103-1828	Adapter,run tee	1
	1-603921	Boss O-ring	
14	103-1801	Adapter,straight	1
	1-603921	Boss O-ring	
15	103-1912	Adapter,straight	1
	1-603921	Boss O-ring	
16	103-1799	Elbow,90°	2
	1-603921	Boss O-ring	
17	321-3	Screw,1/4-20 x 5/8	2
18	1-805004	Lockwasher,1/4	2
19	103-1802	Elbow,90°	2
	1-603921	Boss O-ring	
20	103-2675	Pump,hydraulic	2
	103-2664	Kit,input shaft 10A	1
	103-2665	Kit,thrust bearing 10A	1
	103-2666	Kit,cylinder block 10A	1
	105-6185	Plate,valve	1
	105-6184	Kit,overhaul seal	1
	103-2741	Kit,shock valve 10A/10L	1
21	1-603990	Connector,straight	4
	1-603920	O-Ring (Sae #8)	1
	1-603992	O-Ring (37° flare #8)	1
22	103-3733	Hose,upper LH (52 & 60)	1
	103-3734	Hose,upper (72)	2

Ref. No.	Part No.	Description	Qty. Req'd.
23	103-3735	Hose,lower LH (52 & 60)	1
	103-1863	Hose,lower (72)	2
24	1-523328	Motor,wheel drive	2
25	103-3736	Hose,upper RH (52 & 60)	1
26	103-3737	Hose,lower RH (52 & 60)	1
27	1-633568	Sheave,pump	2
28◊	1-803022	Setscrew,sq hd 5/16-18x5/8	2
29◊	30-1710	Setscrew,sq hd cup 5/16-18x1	2
30◊	1-803050	Setscrew,sq hd cp 5/16-18x3/4	2
31	1-807272	Key,5mmx5mmx25mm	2
32□	1-603991	Adapter,strt -8jic/-10 mstor	4
	1-603919	Boss O-ring	1
	1-603992	Flare O-ring	1
✳	1-633786	Elbow,90° long-8jic/-10mstor	4
	1-603919	Boss O-ring	1
	1-603992	Flare O-ring	1
33	1-633167	Pulley,idler w/bushings	1
34	1-634277	Arm,w/bearing	1
35	323-9	Screw,cap hh 3/8-16x1 3/4	1
36	3256-3	Washer,flat std 5/16	1
37	3290-357	Nut,whizlock 3/8-16	8
38	1-603384	Bushing,idler pivot	1
39	1-632201-03	Arm,pump idler	1
40	1-633567	Sheave,engine	1
41	1-633569	Belt,pump drive	1
42	323-8	Screw,3/8-16x1 1/2	1
43	1-800805	Screw,3/8-16x3 1/2	1
44	323-7	Screw,3/8-16 x 1	4
45	3256-4	Washer,3/8 std	1
46	13-2840	Key, ¼ x ¼ x ¼	1
47	302-40	Zerk,90° 1/4-28	1
48	1-513034	Bearing,pivot	2
49	103-3330	Spring,extension	1
50	321-6	Screw,HHC 1/4-20 x 1	2
51	3256-22	Washer,SAE 1/4	2
52	32128-33	Nut,whizlock ¼-20	2

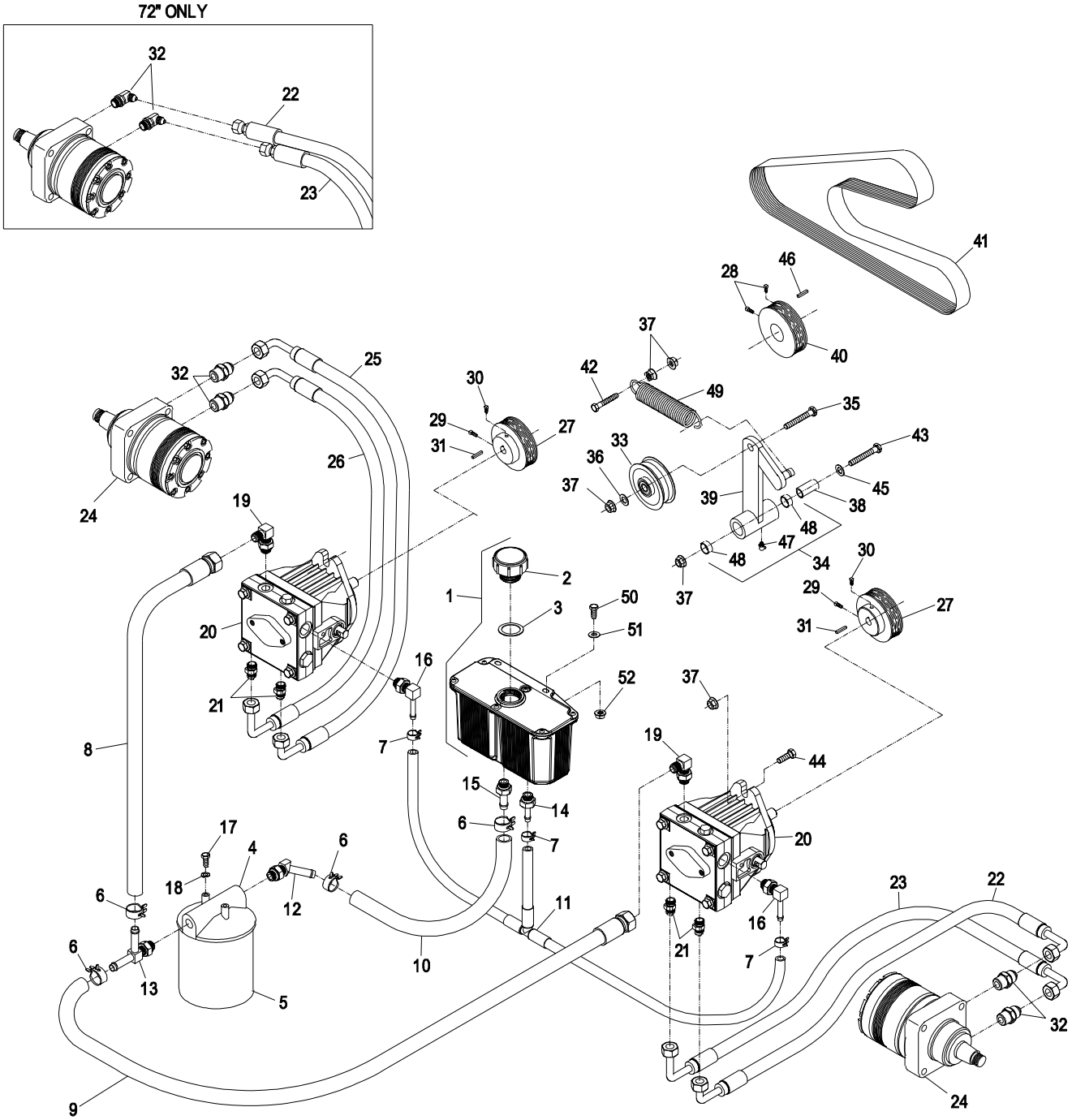
◊ Use Pro-Lock, Nut Type (P/N 1-840022, 5 ml tube) on setscrews.
Exmark black touch up spray paint - gloss black

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

□ 52” and 60” only

✳ 72” only

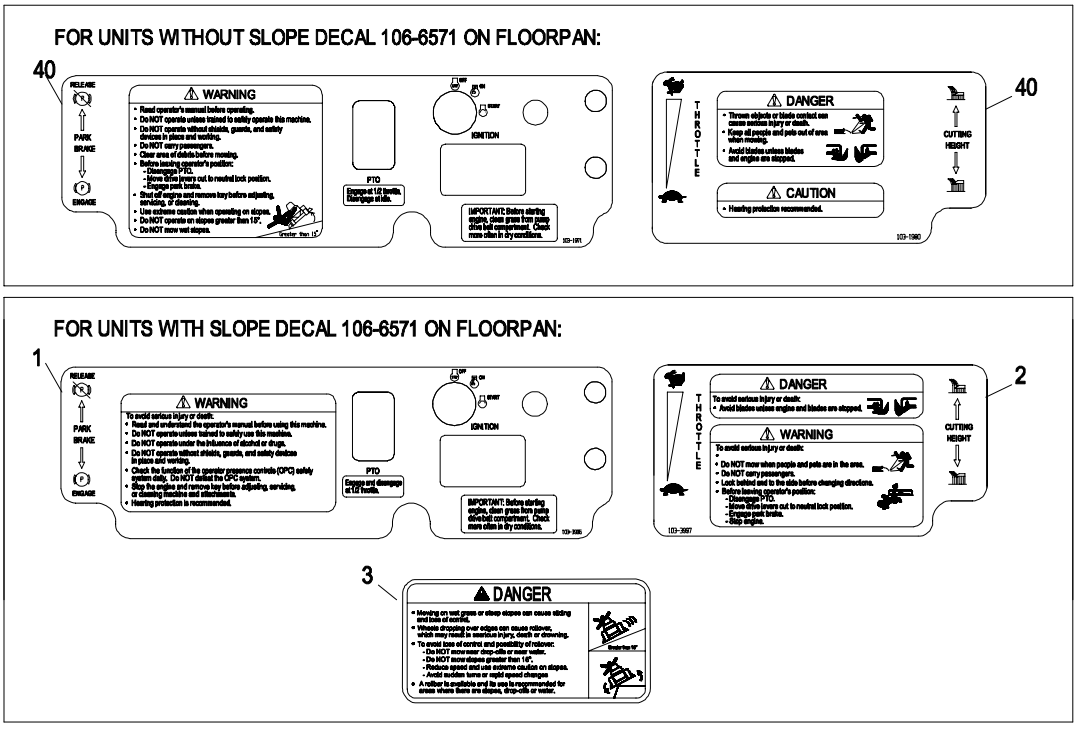
HYDRAULIC GROUP



DECAL GROUP

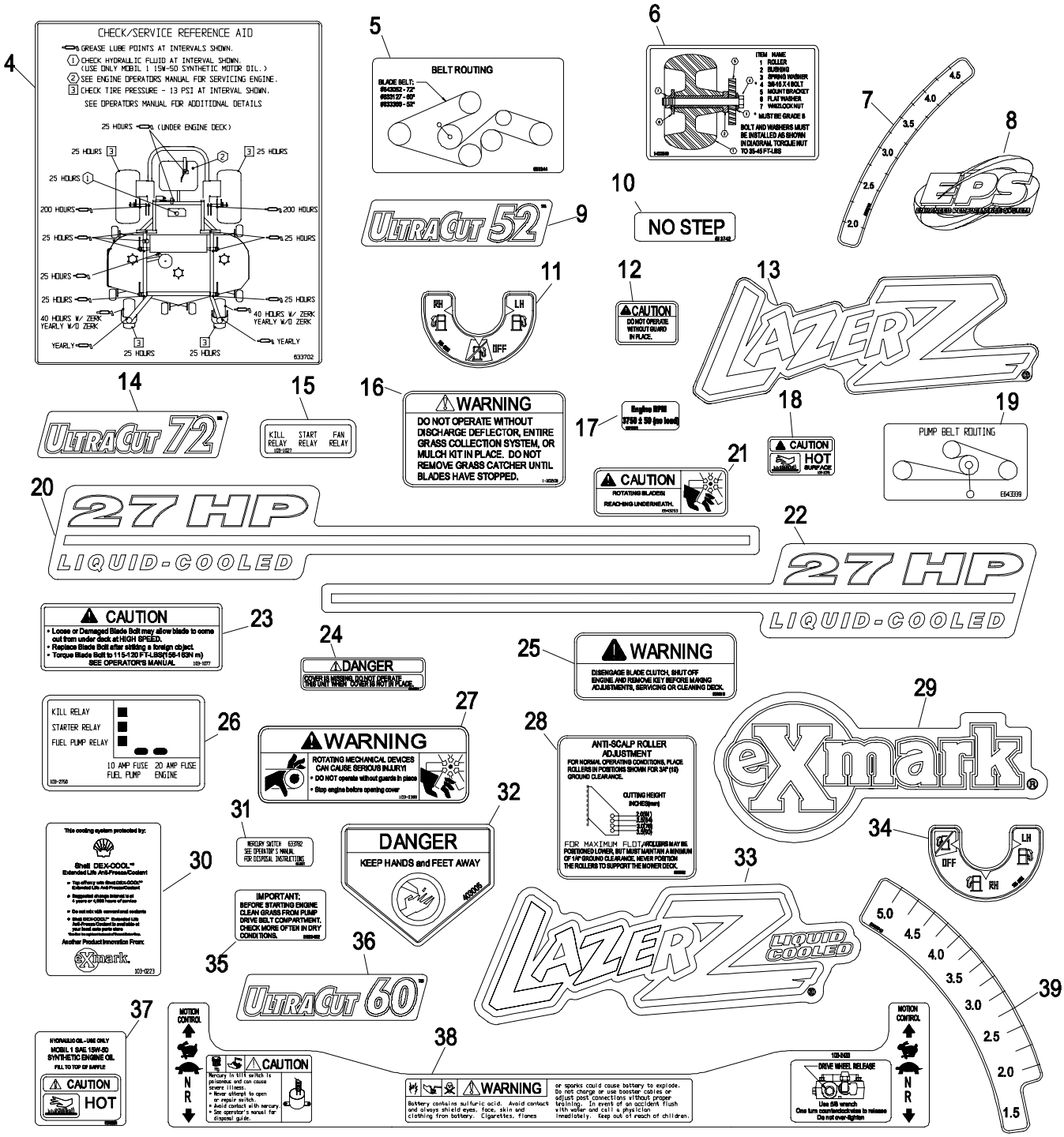
Ref. No.	Part No.	Description	Qty. Req'd.
1	103-3996	Decal, Console 1	1
2	103-3997	Decal, Console 2	1
3	106-6571	Decal, Danger Slope	1
4	1-633702	Decal, Check Service	1
5	1-643222	Decal, Belt Routing	1
6	1-323540	Decal, Roller Mounting	1
7	1-633706	Decal, Deck Height	1
8•	1-643397	Decal, EPS	1
9	103-1145	Decal, Ultracut 52	1
10	1-513742	Decal, No Step	2
11♦	103-0262	Decal, Fuel Valve	1
12	1-513748	Decal, Guard	1
13**	103-3113	Decal, Lazer Model	1
14	103-1147	Decal, Ultracut 72	1
15☆	103-1027	Decal, Relay	1
16	1-303508	Decal, Discharge Warning	1
17	103-3270	Decal, 3750 RPM	1
18☆	103-2076	Decal, Hot Surface	2
19	1-643339	Decal, Pump Belt Rtg	1
20☆	103-1141	Decal, Hood LH	1
21☆	1-643253	Decal, Radiator Fan	1
22☆	103-1142	Decal, Hood RH	1
23	103-1077	Decal, Bolt Torque	1
24	98-5954	Decal, Missing Cover	2
25	1-633313	Decal, Warning	1
26•	103-2750	Decal, Relay/Fuse.	1
27	103-0368	Decal, Rotating Devices	1
28	1-633922	Decal, Anti-Scalp	1
29▲	103-2882	Decal, Exmark logo	1
•	103-2883	Decal, Exmark logo	1
☆	1-653546	Decal, Exmark logo	1
❊	103-3999	Decal, Exmark logo (console)	2
30☆	103-0223	Decal, Shell Coolant	1
31	1-643401	Decal, Mercury Switch	1
32	1-403005	Decal, Danger	2
33☆	103-3112	Decal, L.C. Lazer Model	1
34•	103-0261	Decal, Fuel Valve	1
35	1-633462	Decal, Important	1
36	103-1146	Decal, Ultracut 60	1
37	1-523552	Decal, Hyd Tank/Hot Surface	1
38	103-2433	Decal, Top Console	1
39☆	1-633345	Decal, Deck Height	1
40	103-4095	Kit, Decal Slope Lazer	1
	103-0371	Decal Kit-Air-Cooled (including EFI)	
	103-0370	Decal Kit-Kaw Liquid-Cooled	

** Decal for Air-Cooled units only.
♦ Decal for all units except Kohler EFI.
• Decals for Kohler EFI units only.
☆ Decal for Kawasaki Liquid-Cooled units only.
▲ Decal for all units except Kohler EFI & Kawasaki liquid cooled.
❊ Decal for all units, placed on console.
❊

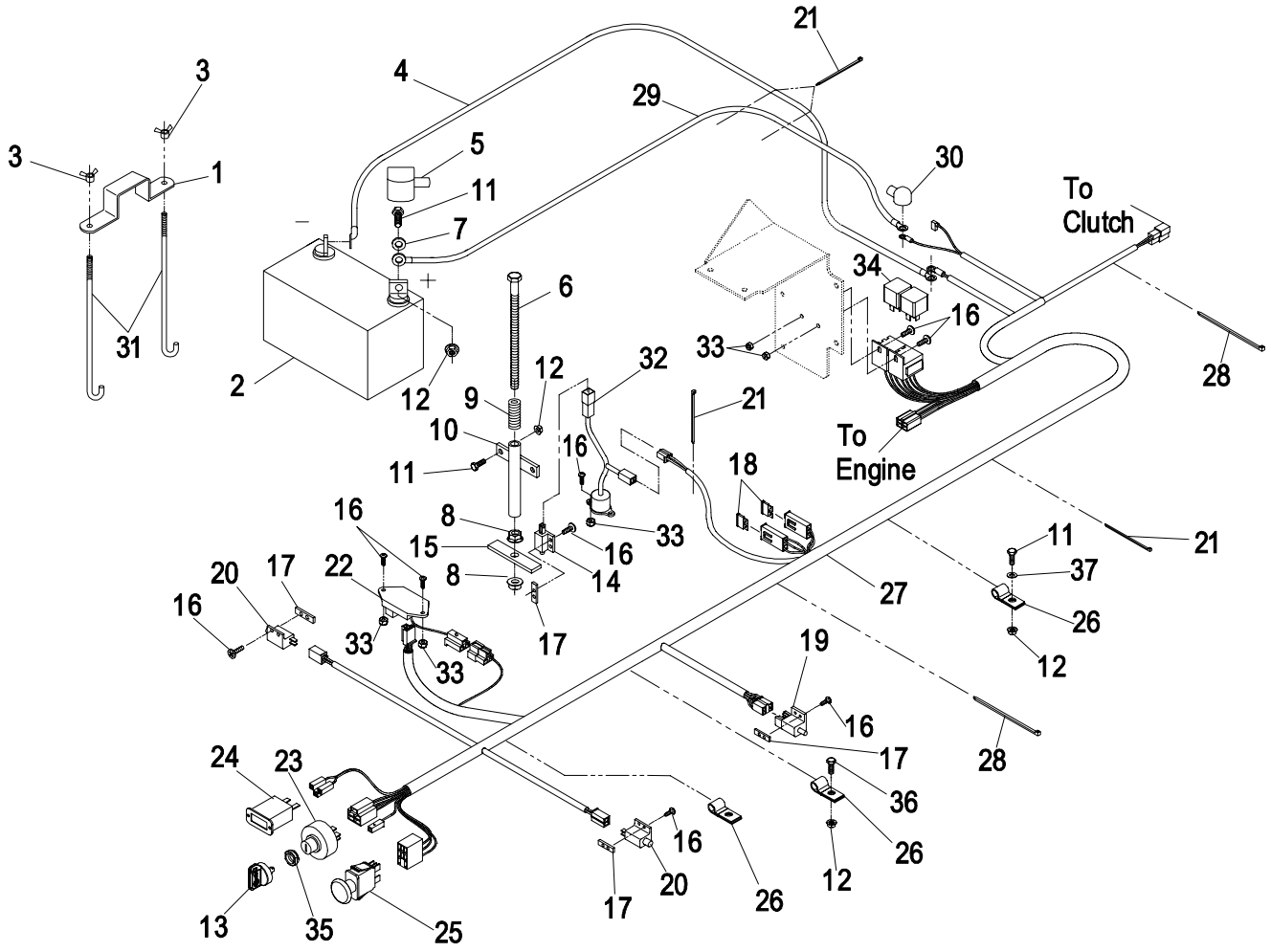


DECAL GROUP

FOR ALL UNITS



KOHLER 20, 23 & 27 HP AIR-COOLED ELECTRICAL GROUP

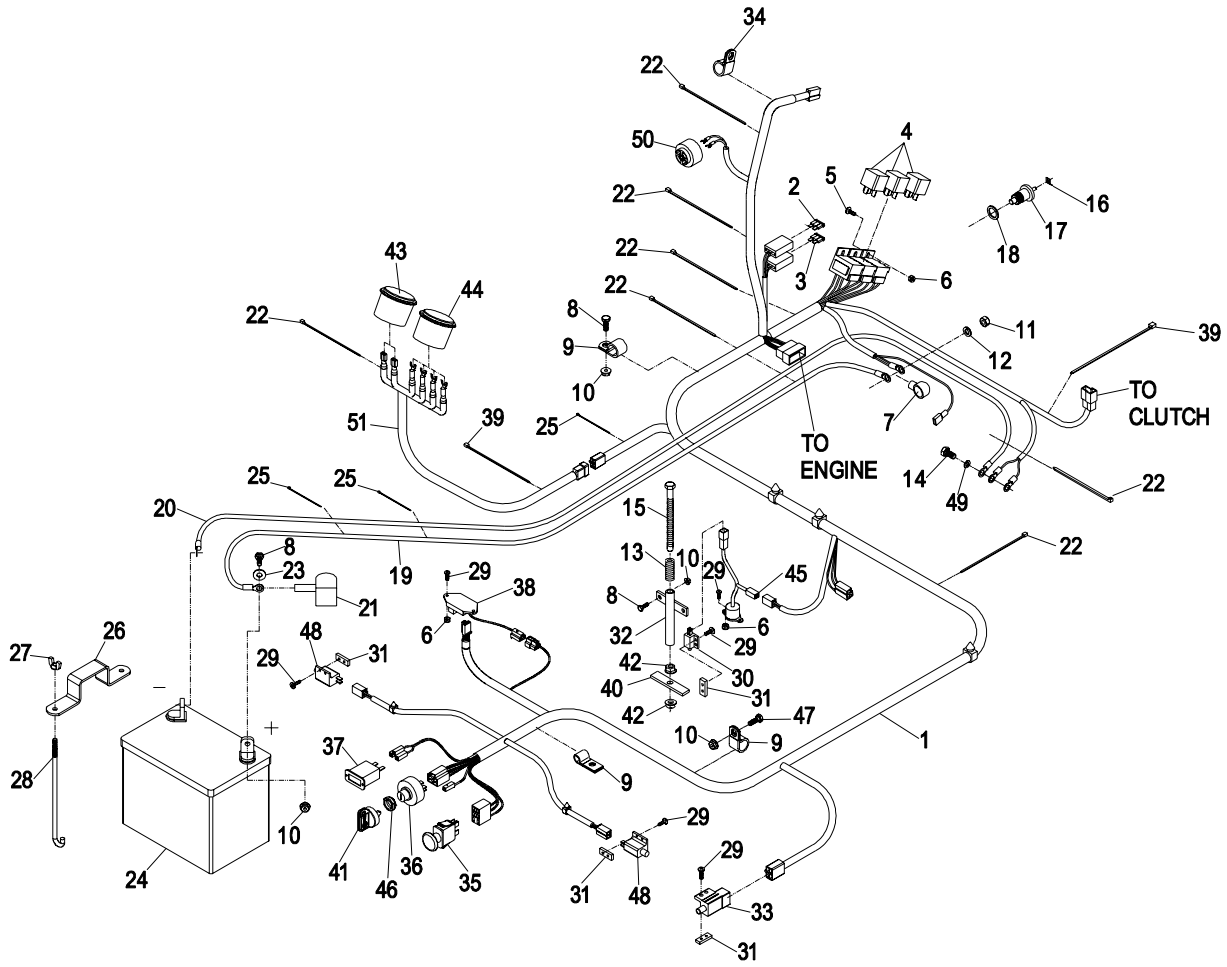


Ref. No.	Part No.	Description	Qty. Req'd.
1	1-633652-03	Hold down,battery	1
2	103-0293	Battery-12V	1
3	1-543792	Wingnut, nyloc	2
4	1-633307	Cable-battery (-) 40”	1
5	1-543391	Insulator-battery	1
6	1-800282	Screw, 5/16-18x7	1
7	3256-2	Washer, 1/4 flat	2
8	32128-20	Nut, 5/16-18 whizlock	2
9	1-523415	Spring-seat switch	1
10	1-522424-03	Spring mount wldmt	1
11	321-4	Screw, 1/4-20x3/4	5
12	32128-33	Nut, 1/4-20 whizlock	6
13	103-2106	Key, Exmark logo	1
	1-603511	Key, ignition	1
14	1-513152	Switch- seat N.C.	1
15	1-513180	Actuator, seat switch	1
16	3290-500	Screw, #10-24x5/8	14
17	1-633181	Plate, tapped	4
18	1-816001	Fuse-20 amp	2

Ref. No.	Part No.	Description	Qty. Req'd.
19	1-633111	Switch-brake N.O./N.C.	1
20	1-513051	Switch-drive lever N.O.	2
21	1-303287	Plastic tie (small)	5
22	100-6186	Module-seat delay	1
23	103-0206	Switch-ignition w/ keys	1
24	1-513374	Meter-engine hours	1
25	1-633673	Switch	1
26	1-633396	Clip-Loom .69	3
27◊	103-0294	Harness-wiring	1
28	1-303335	Plastic tie (large)	2
29	1-523281	Cable-battery (+) 30”.	1
30	1-543393	Insulator, solenoid (+)	1
31	1-633651	Bolt, battery hold down	2
32◊	1-633782	Switch, tilt	1
33	3296-2	Nut, #10-24 Hex Nyloc	6
34	1-643275	Relay, 12V	2
35	103-0498	Nut, Ignition	1
36	321-2	Screw, 1/4-20 x 1/2	1
37	3256-22	Washer, ¼ SAE	1

◊ Use dielectric grease on all wiring harness connectors.

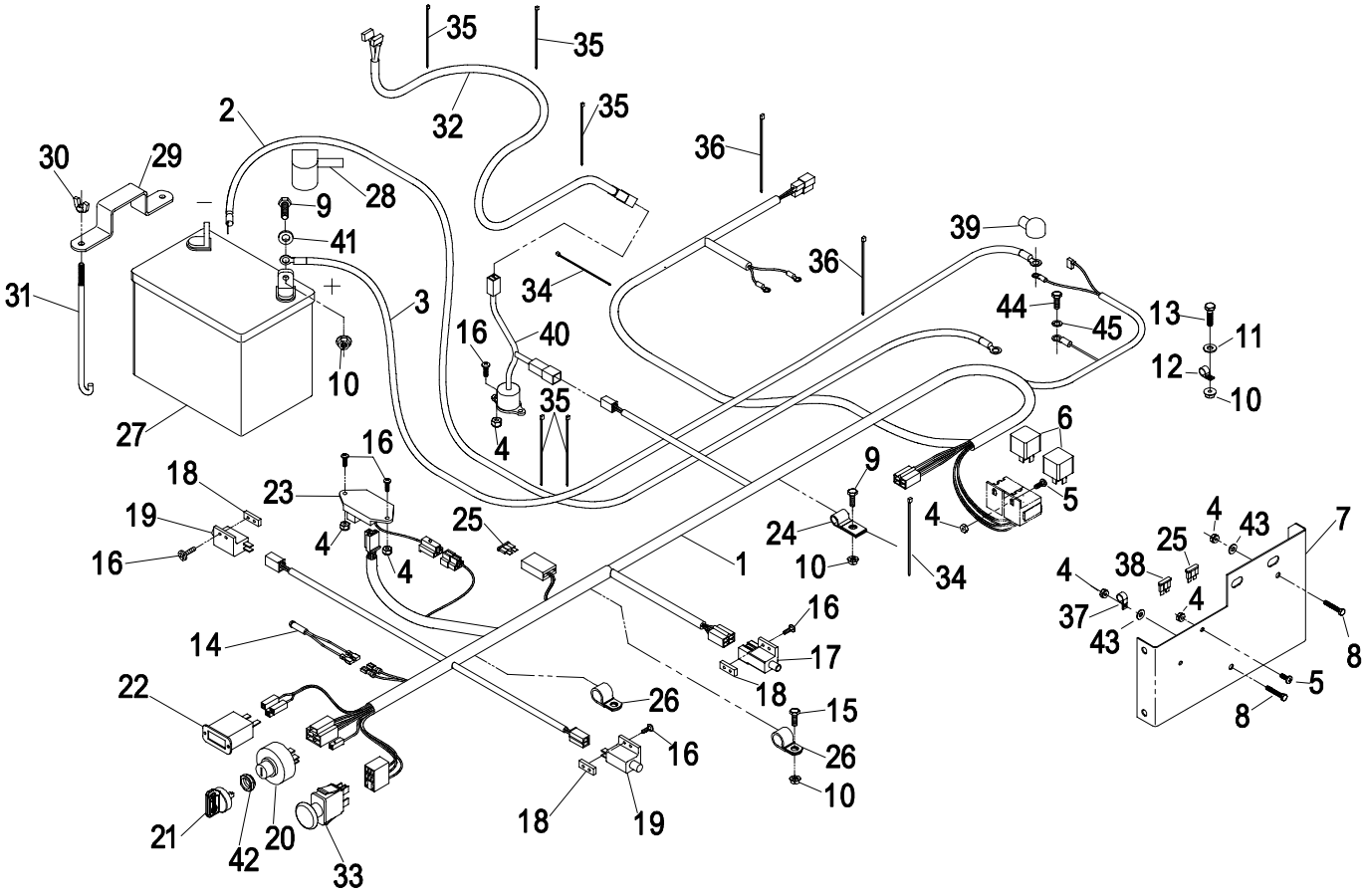
KAWASAKI 27 HP LIQUID-COOLED ELECTRICAL GROUP



Ref. No.	Part No.	Description	Qty. Req'd.	Ref. No.	Part No.	Description	Qty. Req'd.
1◊	103-2869	Harness-wiring	1	27	1-543792	Wingnut, nyloc	2
2	1-816001	Fuse-20 amp	1	28	1-633651	Bolt, battery holddown	2
3	1-816003	Fuse-30 amp	1	29	3290-500	Screw, #10-24x5/8	12
4	1-643275	Relay, 12V	3	30	1-513152	Switch- seat N.C.	1
5	1-803071	Screw, machine #10-24x½	2	31	1-633181	Plate- tapped	4
6	3296-2	Nut, nyloc #10-24	6	32	1-522424-03	Spring mount wldmt	1
7	1-543393	Insulator, solenoid +	1	33	1-633111	Switch-brake N.O./N.C.	1
8	321-4	Screw, 1/4-20x3/4	5	34	1-603727	Clip-loom .50	1
9	1-633396	Clip- loom .69	3	35	1-633673	Switch	1
10	32128-33	Nut, 1/4-20 whizlock	6	36	103-0206	Switch-ignition w/ keys	1
11	33014-00	Nut, hex M8-1.25	1	37	1-513374	Meter- engine hours	1
12	3256-23	Washer, 5/16 SAE	1	38	100-6186	Module, seat delay	1
13	1-523415	Spring- seat switch	1	39	1-643115	Plastic tie (large)	2
14	33114-016	Screw, hex M8-1.25x16	1	40	1-513180	Actuator, seat switch	1
15	1-800282	Screw, 5/16-18x7	1	41	103-2106	Key, Exmark logo	1
16	1-643145	Tab, #10stud .25 Spade 45°	1		1-603511	Key, ignition	1
17	103-0283	Sender Unit, Temp	1	42	32128-20	Nut, 5/16-18 whizlock	2
18	1-643153	Washer, Alum. Sender gskt	1	43	1-643037	Gauge, Voltmeter	1
19	1-523279	Cable- battery (+)	1	44	103-2426	Gauge, Temperature	1
20	1-633307	Cable-battery (-)	1	45◊	1-633782	Switch, tilt	1
21	1-543391	Insulator-battery	1	46	103-0498	Nut, Ignition	1
22	1-303335	Plastic tie (medium)	7	47	321-2	Screw, 1/4-20 x 1/2	1
23	3256-2	Washer, 1/4 flat	2	48	1-513051	Switch, drive lever N.O.	2
24	103-0293	Battery-12V	1	49	3256-23	Washer, 5/16 SAE	1
25	1-303287	Plastic tie (small)	3	50	103-0205	Alarm, dual tone	1
26	1-633653-03	Hold down,battery	1	51◊	103-2868	Harness, gauge	1

◊ Use dielectric grease on all wiring harness connectors

KOHLER EFI ELECTRICAL GROUP

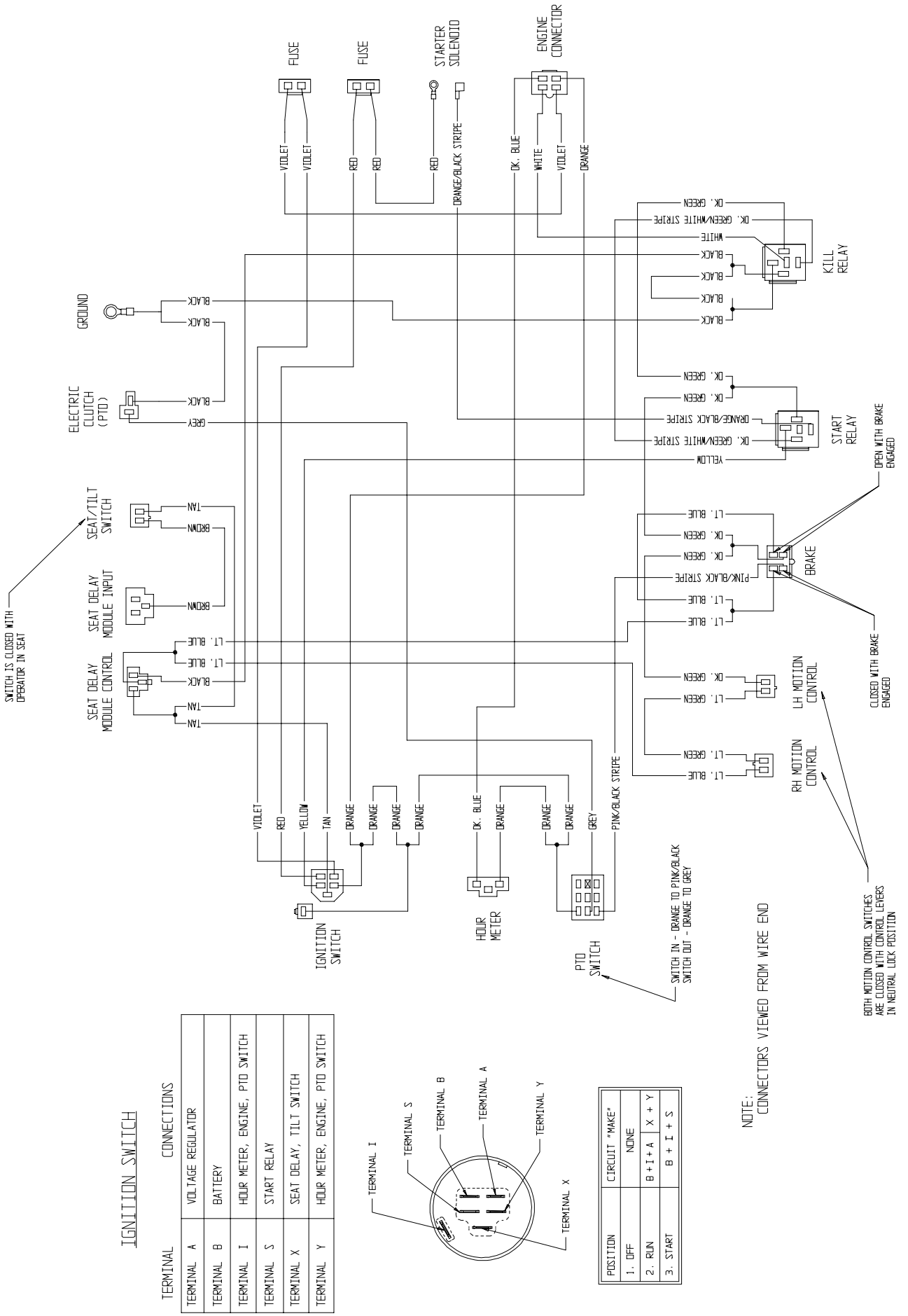


Ref. No.	Part No.	Description	Qty. Req'd.
1◊	103-2590	Harness-wiring	1
2	1-633307	Cable-battery (-)	1
3	1-523279	Cable- battery (+)	1
4	3296-2	Nut, nyloc #10-24	10
5	1-803071	Screw, machine #10-24x½	4
6	1-643275	Relay, 12V	2
7	103-2549-03	Panel, fuses	1
8	32105-20	Screw, Mach #10-24 x 2	2
9	321-4	Screw, 1/4-20x3/4	5
10	32128-33	Nut, 1/4-20 whizlock	6
11	3256-22	Washer, 1/4 SAE flat	1
12	1-643312	Clip, loom 1.0	1
13	321-6	Screw, 1/4-20 x 1	1
14	1-643267	Indicator, Red LED	1
15	321-2	Screw, 1/4-20 1/2	1
16	3290-500	Screw, #10-24x5/8	8
17	1-633111	Switch, N.O./N.C.	1
18	1-633181	Plate- tapped	3
19	1-513051	Switch, drive lever N.O	2
20	103-0206	Switch-ignition w/ keys	1
21	103-2106	Key, Exmark Logo	1
	1-603511	Key, ignition	1
22	1-513374	Meter- engine hours	1

Ref. No.	Part No.	Description	Qty. Req'd.
23	100-6186	Module, seat delay	1
24	1-513762	Clip-loom .50	2
25	1-816001	Fuse-20 amp	2
26	1-633396	Clip- loom .69	2
27	103-0293	Battery-12V	1
28	1-543391	Insulator-battery	1
29	1-633652-03	Holdown-battery	1
30	1-543792	Wingnut, nyloc	2
31	1-633651	Bolt, battery holddown	2
32◊	103-1227	Wiring Harness, seat	1
33	1-633673	Switch	1
34	1-303287	Plastic tie (small)	2
35	1-303335	Plastic tie (medium)	5
36	1-643115	Plastic tie (large)	2
37	1-323229	Clip, loom 3/8	1
38	1-816002	Fuse, 10 amp	1
39	1-543393	Insulator, solenoid +	1
40◊	1-633782	Switch, tilt	1
41	3256-2	Washer, 1/4 flat	2
42	103-0498	Nut, Ignition	1
43	3256-14	Washer, #10	2
44	33114-016	Screw, M8-1.25 x 16mm	1
45	3256-23	Washer, 5/16 SAE	1

◊ Use dielectric grease on all wiring harness connectors.

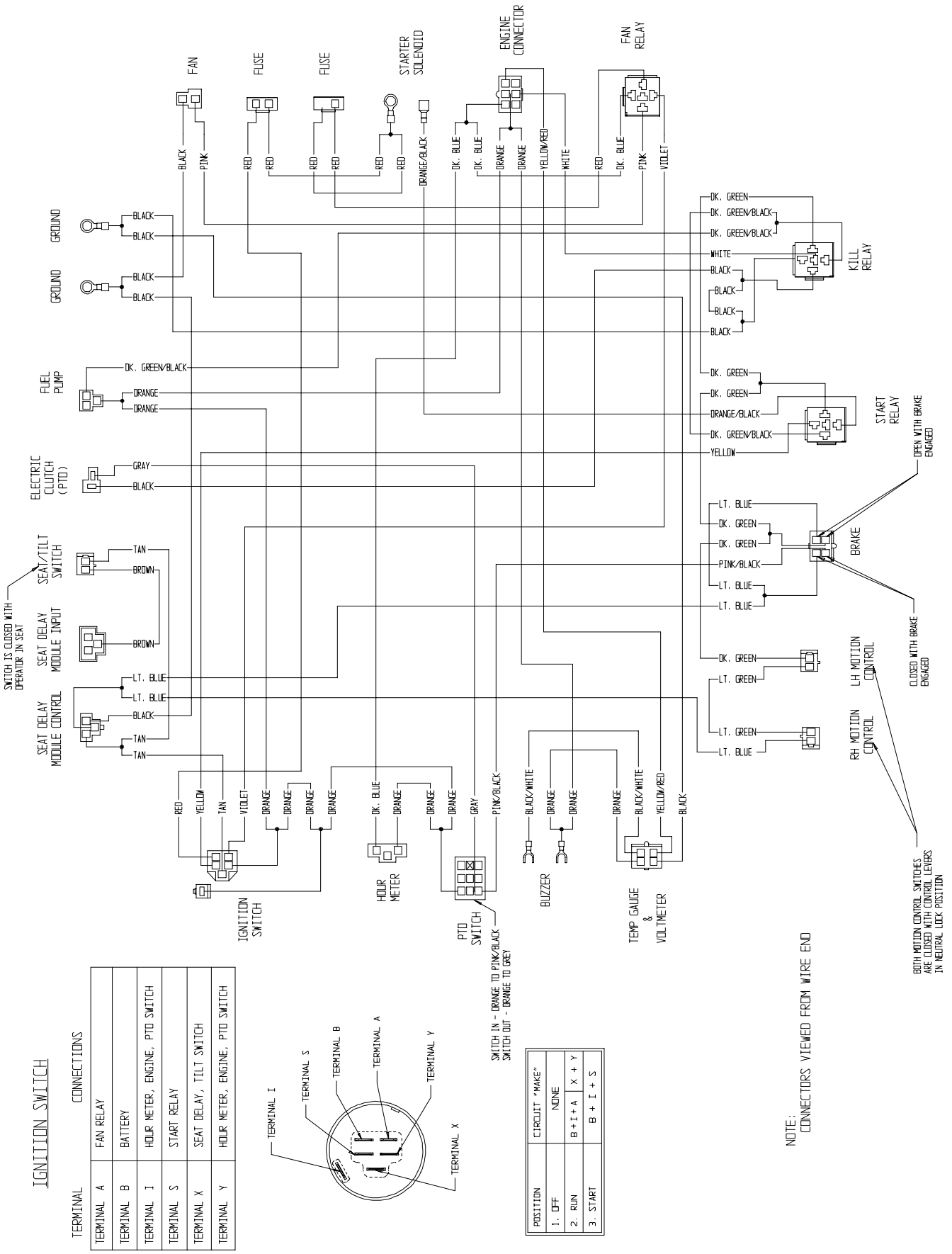
KOHLER 20, 23, & 27 HP AIR-COOLED ELECTRICAL DIAGRAM



TERMINAL	CONNECTIONS
TERMINAL A	VOLTAGE REGULATOR
TERMINAL B	BATTERY
TERMINAL I	HOUR METER, ENGINE, PTO SWITCH
TERMINAL S	START RELAY
TERMINAL X	SEAT DELAY, TILT SWITCH
TERMINAL Y	HOUR METER, ENGINE, PTO SWITCH

POSITION	CIRCUIT "MAKE"	
1. OFF	NONE	
2. RUN	B+I+A	X + Y
3. START	B + I + S	

KAWASAKI 27 HP LIQUID-COOLED ELECTRICAL DIAGRAM

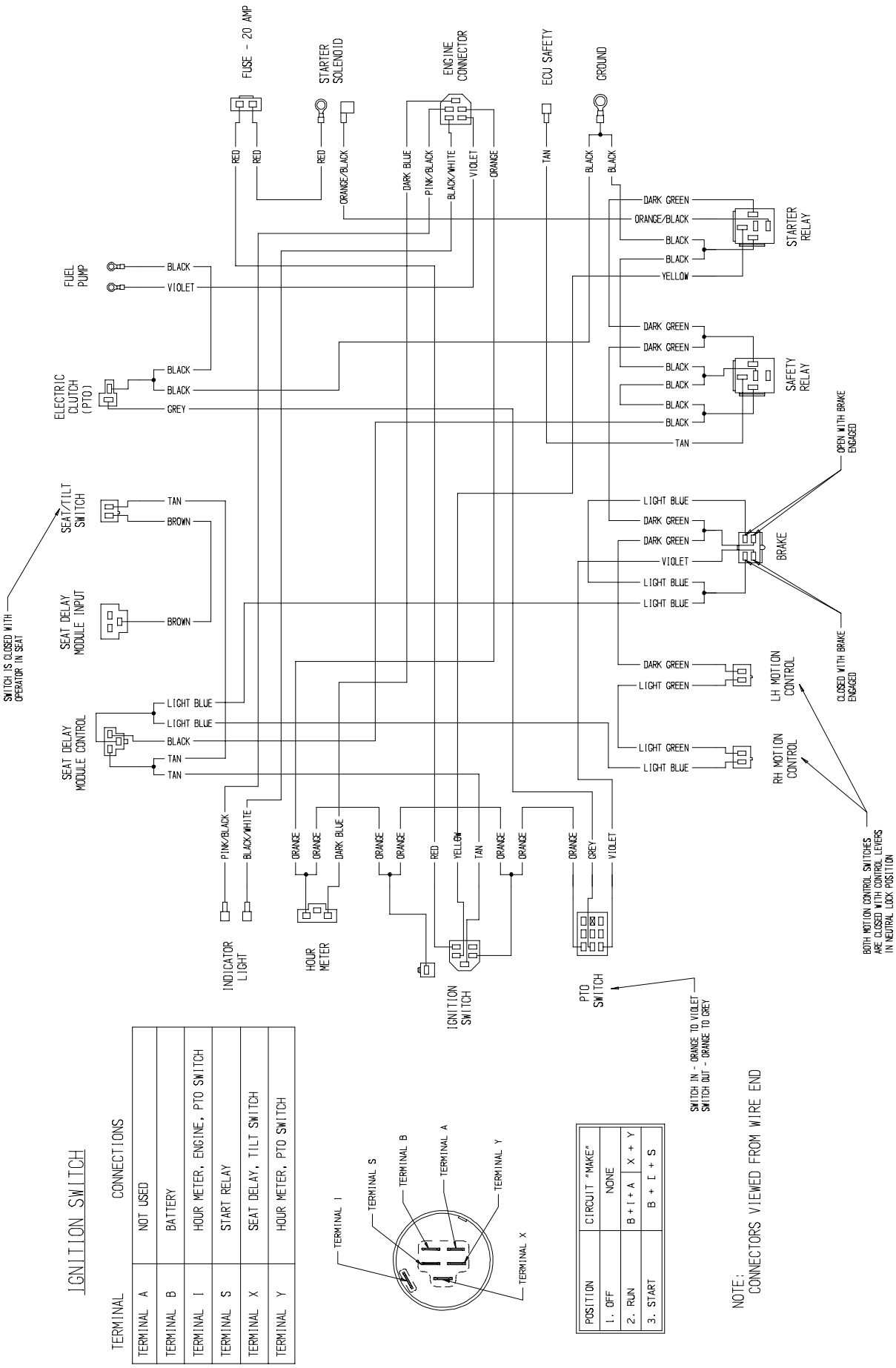


IGNITION SWITCH

TERMINAL	CONNECTIONS
TERMINAL A	FAN RELAY
TERMINAL B	BATTERY
TERMINAL I	HOUR METER, ENGINE, PTO SWITCH
TERMINAL S	START RELAY
TERMINAL X	SEAT DELAY, TILT SWITCH
TERMINAL Y	HOUR METER, ENGINE, PTO SWITCH

POSITION	CIRCUIT "MAKE"	
1. OFF	NONE	
2. RUN	B + I + A	X + Y
3. START	B + I + S	

KOHLER 26 HP EFI ELECTRICAL DIAGRAM

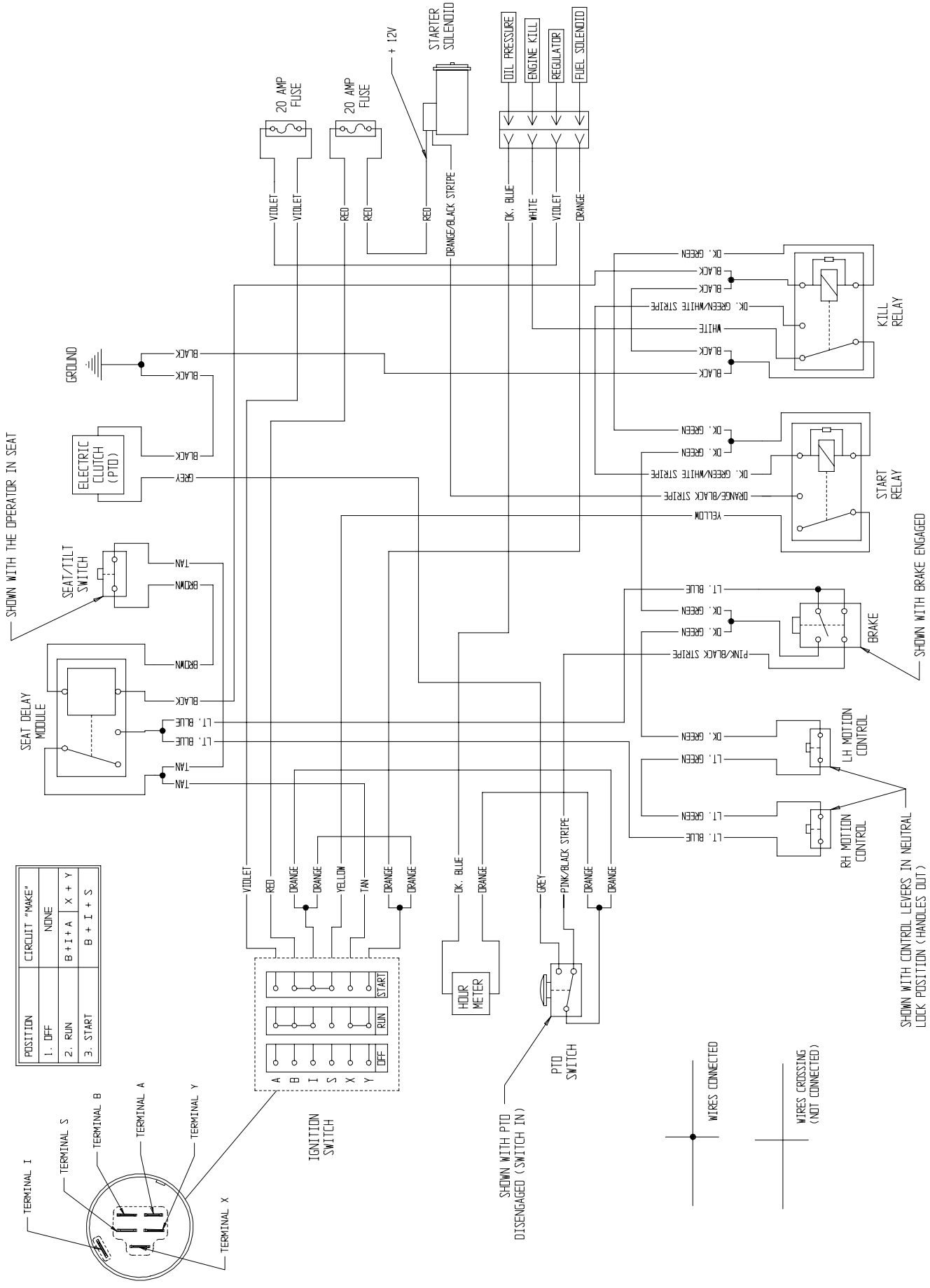


IGNITION SWITCH

TERMINAL	CONNECTIONS
TERMINAL A	NOT USED
TERMINAL B	BATTERY
TERMINAL I	HOUR METER, ENGINE, PTO SWITCH
TERMINAL S	START RELAY
TERMINAL X	SEAT DELAY, TILT SWITCH
TERMINAL Y	HOUR METER, PTO SWITCH

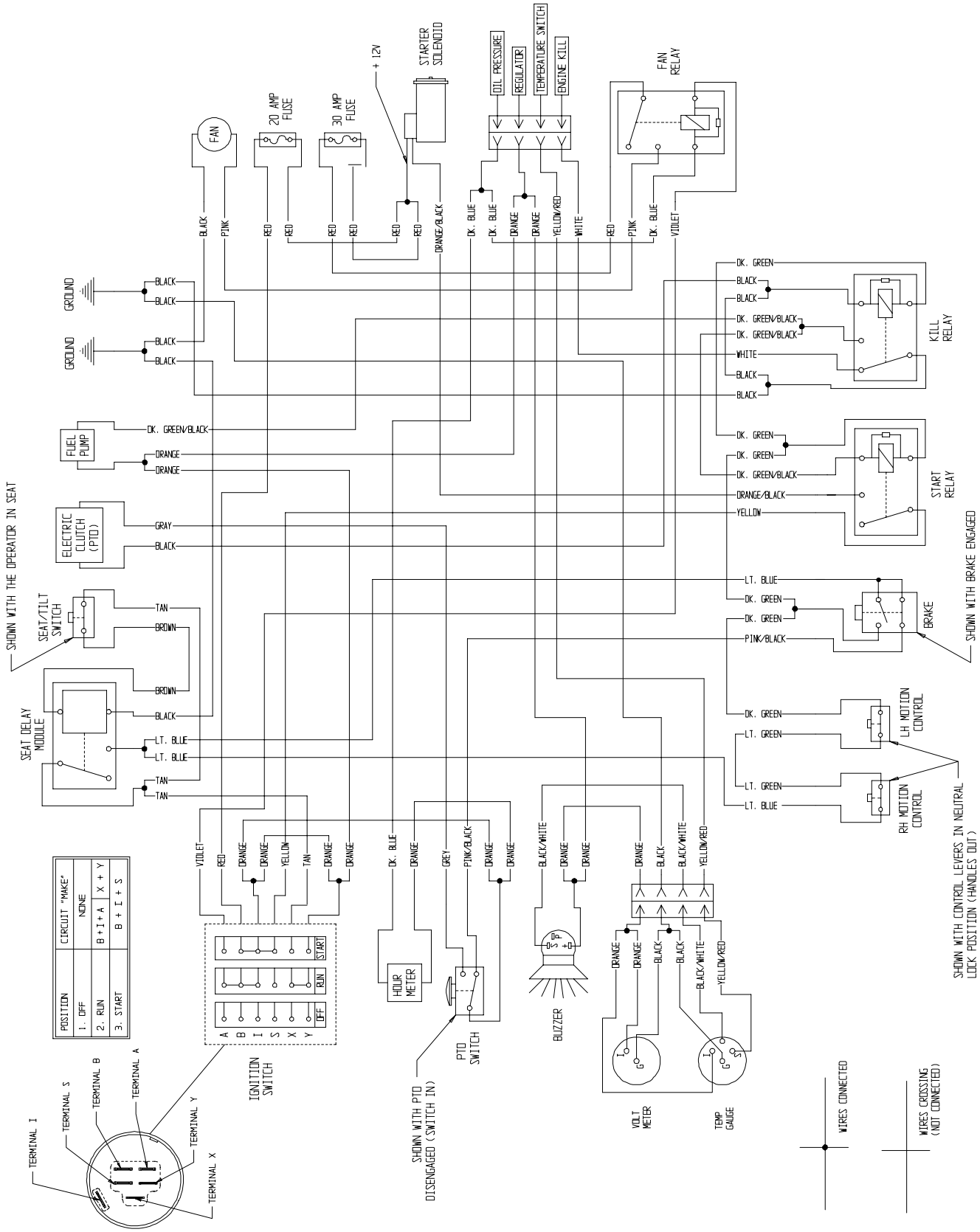
POSITION	CIRCUIT "MAKE"	
1. OFF	NONE	
2. RUN	B + I + A	X + Y
3. START	B + I + S	

KOHLER 20, 23, & 27 HP AIR-COOLED ELECTRICAL LOGIC SCHEMATIC

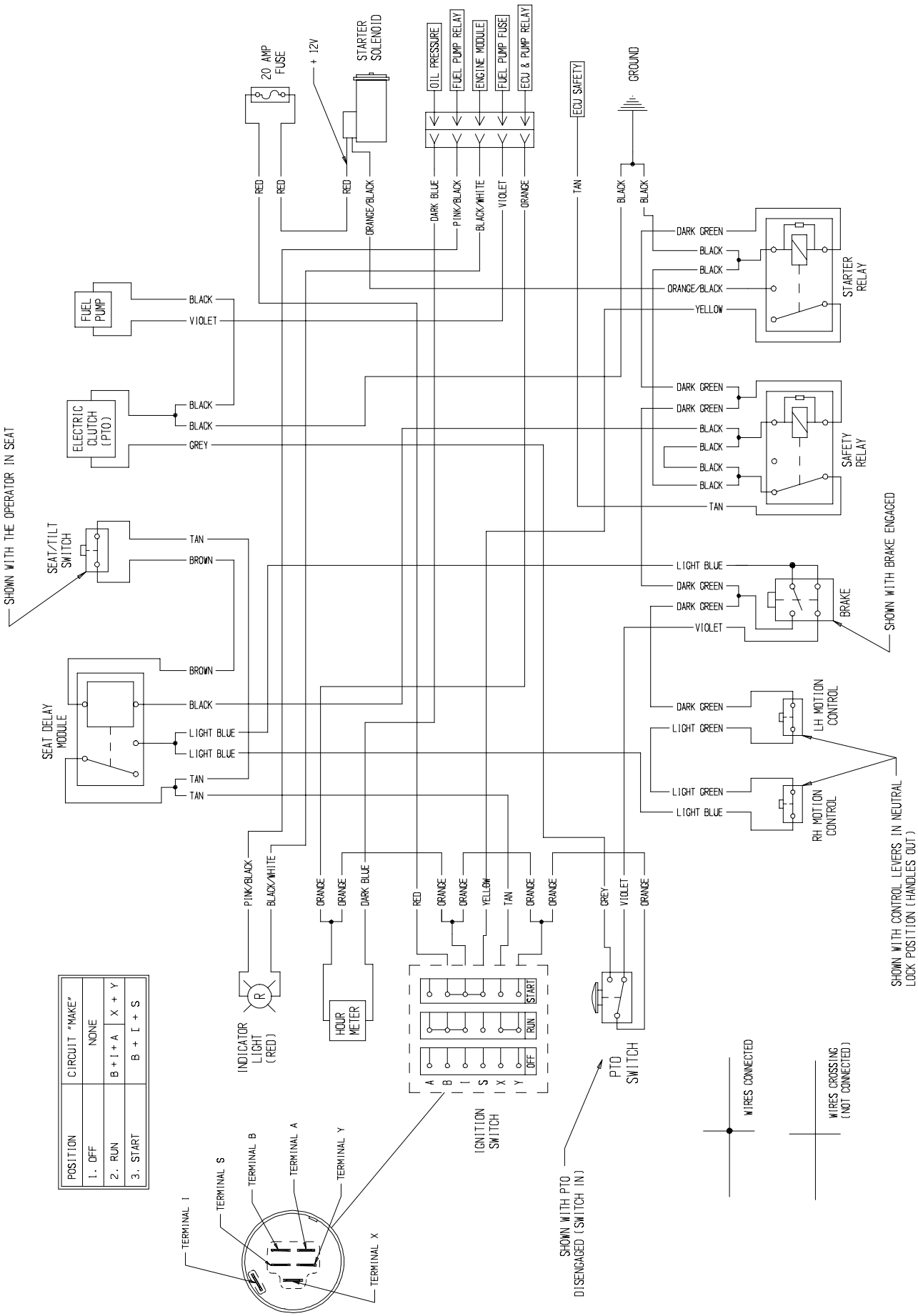


POSITION	CIRCUIT "MAKE"
1. OFF	NONE
2. RUN	B + I + A / X + Y
3. START	B + I + S

KAWASAKI 27 HP LIQUID-COOLED ELECTRICAL LOGIC SCHEMATIC



KOHLER 26 HP EFI ELECTRICAL LOGIC SCHEMATIC



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