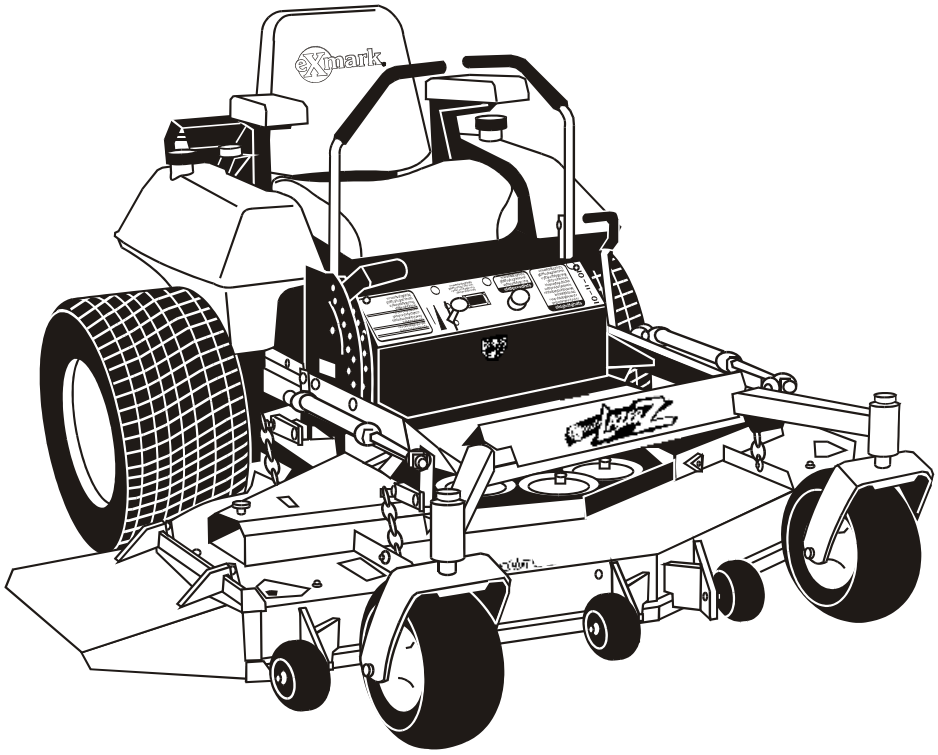
For Serial Nos. 320,000 & Higher

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 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) _____

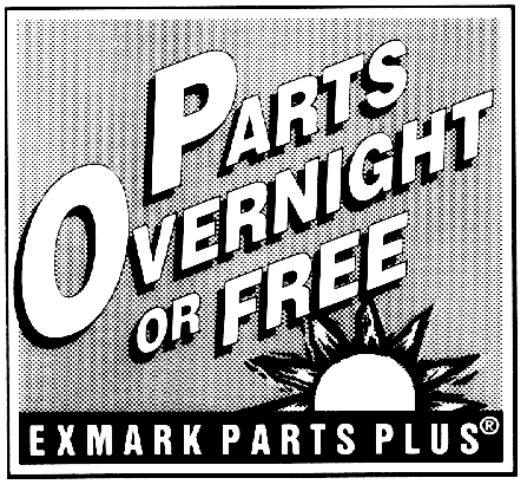
Engine Serial No. (E/No) _____

Date Purchased _____

Part No. 103-1781 Rev C.

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.

TABLE OF CONTENTS

Description	Page
Decal Group	27-28
Electrical Diagrams	34-39
Electrical Groups	29-33
Electrical Logic Schematics	40-45
Engine Deck Group	18-24
Front Frame Group	11-12
Fuel Group	13-15
Hydraulics Group	25-26
Main Frame Group	10
Motion Control Levers	17
Park Brake Group	16
Parts Plus Program	1
52" Deck Group	3-4
60" Deck Group	5-6
72" Deck Group	7-8
Mower Deck Cutter Housings	9

52” DECK GROUP

Ref. No.	Part No.	Description	Qty. Req'd.
1	103-0332-01	Deck wldmt, 52"	1
	103-0675	Deck wldmt, 52" w/decals	1
2	3256-24	Washer, 3/8 SAE	3
3✻	1-323533	Spacer, shv/brg	1
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	9
11	1-373034	Washer, pivot	8
12	1-603602	Bushing, roller	6
13	98-5975	Washer, 3/8 disc spring	14
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	103-1081	Strut wldmt S/A	2
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	1-633151	Spring, extension	1
27	1-632119-03	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	2
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	3219-6	Nut, 5/8-18 hex	3
46	323-20	Screw, 3/8-16 x 3 1/4	1
47✻	1-633573	Guard, Brg bottom	1
48	323-6	Screw, 3/8-16 x 1	4
49	103-1072-01	Strut wldmt, deck	2
50	1-632199-01	Pin wldmt, deck strut	2
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▲	103-2535	Spacer, guard bottom	1
56▲	103-2534	Spacer, bearing	1
57▲ ✚	103-2477	Bearing, ball	2
58	103-0280	Housing, Jackshaft	1
59✻✚	1-513016	Bearing	2
60✚	103-0135	Sheave, Jackshaft	1
61✻	1-323528	Spacer, bearing	1
62✚	1-643393	Jackshaft	1
63	32120-8	Snap Ring	1
64	103-0698	Jackshaft S/A	1
65✻◊		Asm,Jackshaft housing w/brgs	1
66▲	103-2544	Asm, jackshaft housing w/brgs	1
67▽	103-0678	Complete deck assy	1

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

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

✻ For Serial Nos. 320,000 – 351,9999.

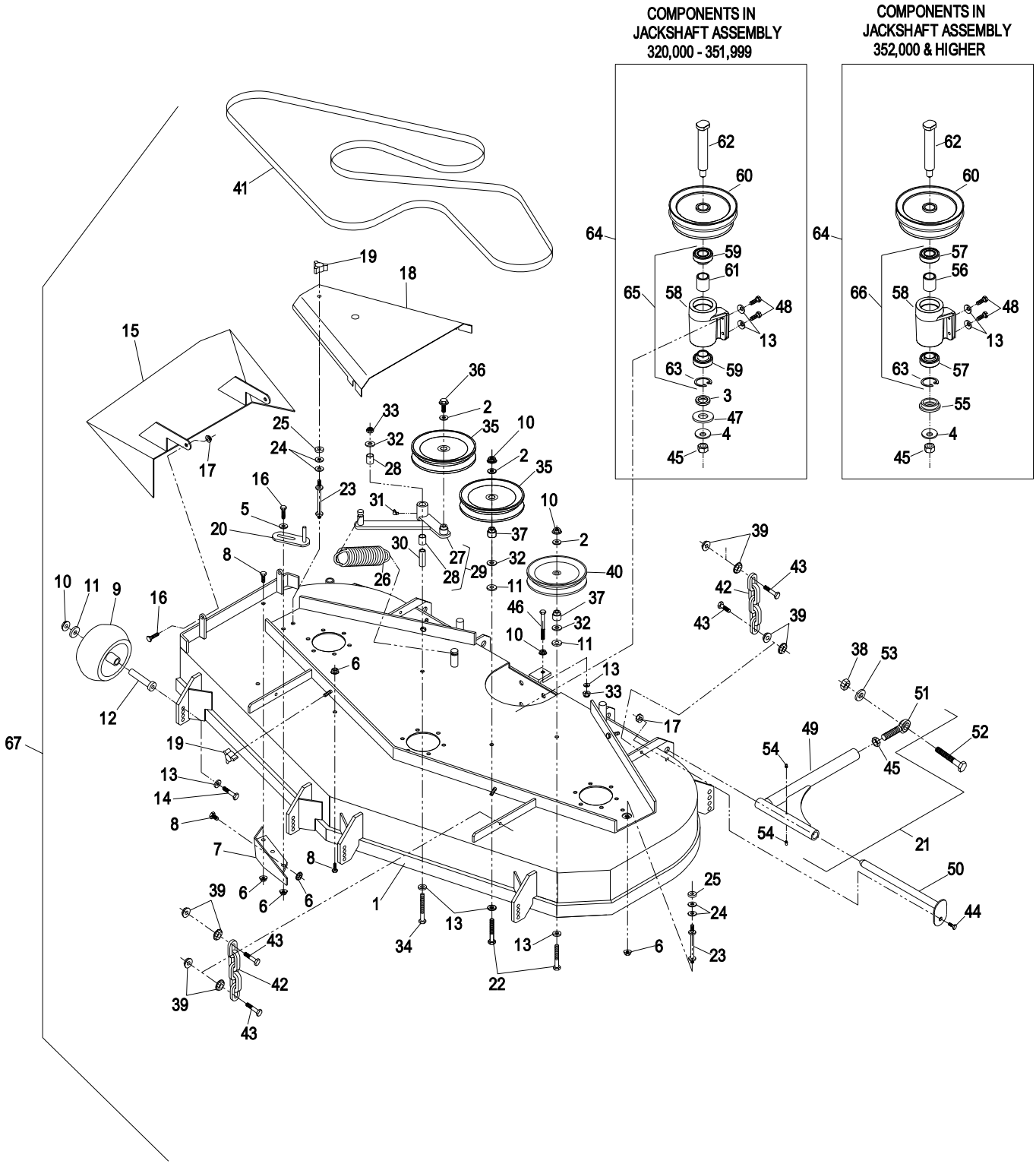
▲ For Serial Nos. 352,000 and higher.

▽ Complete deck assembly includes mower deck cutter housing assemblies and blades (see page 9).

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

◊ This assembly is now serviced by 103-2544.

52” DECK GROUP



60” DECK GROUP

Ref. No.	Part No.	Description	Qty. Req'd.
1	103-0422-01	Deck wldmt, 60	1
	103-0676	Deck wldmt, 60 w/decals	1
2	3219-6	Nut, 5/8-18 hex	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	9
11	1-373034	Washer, pivot	8
12	1-603602	Bushing, roller	6
13	98-5975	Washer, 3/8 disc spring	14
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	1-632199-01	Pin wldmt, deck strut	2
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	1-633151	Spring, extension	1
27	1-632119-03	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	2
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	302-19	Zerk, 1/4-28 straight	4
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	323-20	Screw, 3/8-16 x 3 ¼	1
47	103-1140	Cutter housing complete	3
48	323-6	Screw. 3/8-16 x 1	4
49	103-1072-01	Strut wldmt, deck	2
50✻	1-323533	Spacer, guard bottom	1
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✚	103-2535	Spacer, guard bottom	1
55✚	103-2534	Spacer, bearing	1
56✚✿	103-2477	Bearing, ball	2
57	322-6	Screw. 5/16-18 x 1 ¼	1
58▽▲	103-1081	Strut wldmt S/A	2
▽■	103-1106	Strut wldmt S/A	2
59✻✿	1-513016	Bearing	2
60	103-0280	Housing, Jackshaft	1
61✻	1-323528	Spacer, bearing	1
62✻	1-633573	Guard, bearing bottom	1
63	32120-8	Snap Ring	1
64▲✿	103-0136	Sheave, Jackshaft Double	1
■✿	103-0137	Sheave, Jackshaft Double	1
65✿	1-643393	Jackshaft	1
66▲	103-0700	Jackshaft Assy	1
■	103-0701	Jackshaft Assy	1
67✻◊		Asm, jackshaft housing w/brgs	1
68✚	103-2544	Asm, jackshaft housing w/brgs	1
69★	103-0680	Complete Deck Assy (Air-cooled except 26HP Koh EFi)	1
★	103-0681	Complete Deck Assy (27 HP Kaw liq-cooled & 26 HP Koh EFI)	1

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

▽ Strut subassemblies have same components, they are assembled to different lengths from center to center. PN 103-1081 = 15.31”; PN 103-1106 = 15.00”

▲ Used on all air-cooled units except 26 HP Kohler EFI.

■ Used on 27 HP Kawasaki liquid-cooled units and 26 HP Kohler EFI air-cooled units.

✿ Apply Mobil HTS grease (or a food-grade antisieze) between the jackshaft & bearings and jackshaft & sheaves. DO NOT use a copper or nickel based antisieze.

✻ For Serial Nos. 320,000 - 351,999.

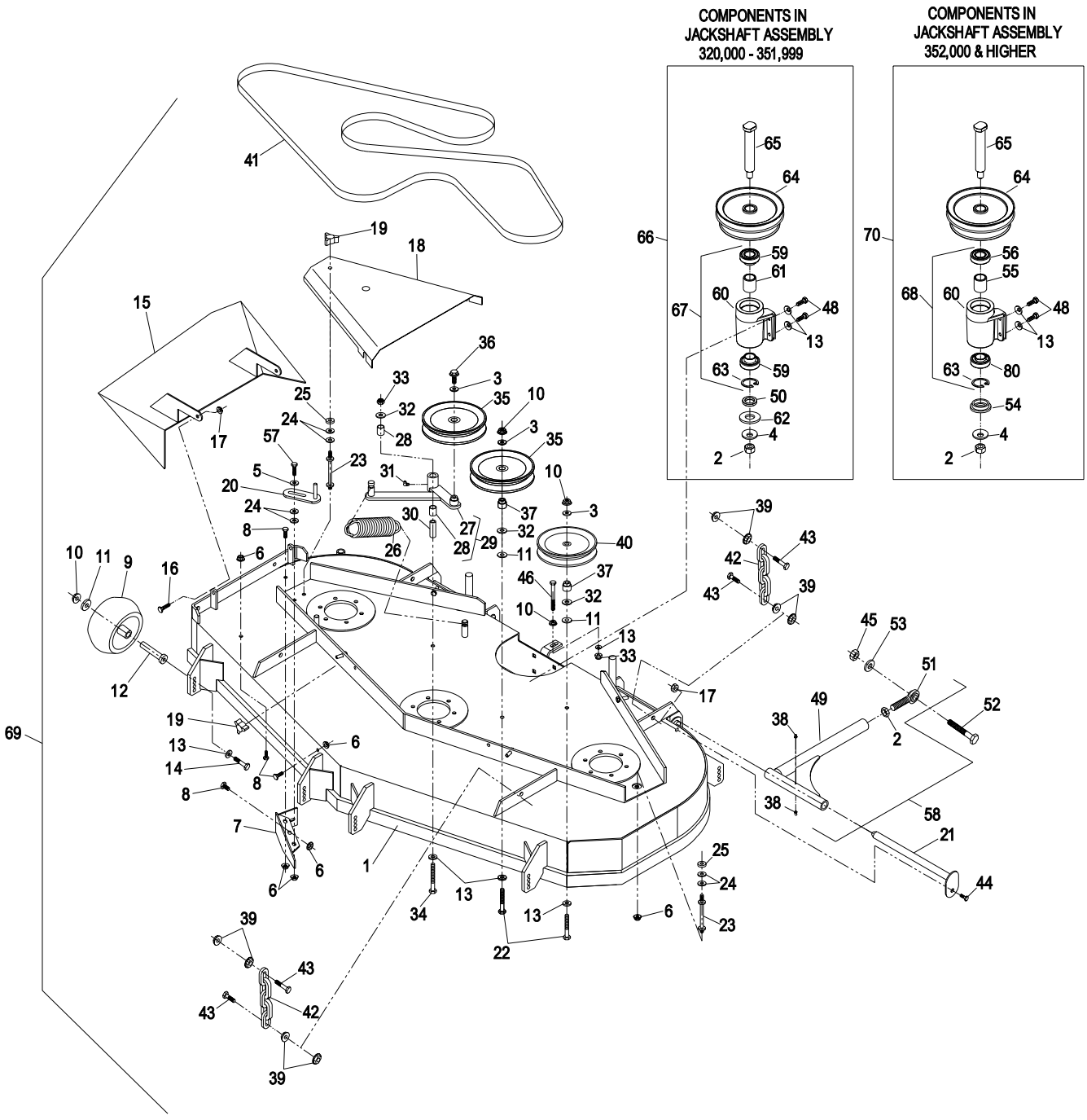
✚ For Serial Nos. 352,000 and higher.

★ Complete deck assembly includes mower deck cutter housing assemblies and blades (see page 9).

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

◊ This assembly is now serviced by 103-2544.

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	1-633151	Spring, extension	1
8	3290-357	Nut, 3/8-16 whizlock	9
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	20
13	1-513034	Bearing, pivot	2
14	1-632119-03	Arm wldmt, deck idler	1
15	1-603044	Bushing, idler pivot	1
16	323-20	Screw, 3/8-16 x 3 1/4	1
17	3219-6	Nut, 5/8-18 hex	3
18	1-513208	Washer, disc spring	1
19	323-11	Screw, 3/8-16 x 2 1/4	2
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	14
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	103-0588-01	Deck weldmt, 72”	1
	1-644149	Deck weldmt,72” w/decals	1
41✻✚	1-513016	Bearing	2
42	323-13	Screw, 3/8-16 x 2 3/4	1
43✻	1-323528	Spacer, bearing	1
44	32120-8	Snap Ring	1
45✻	1-323533	Spacer, shv/brg	1
46✻	1-633573	Guard, bearing bottom	1
47▲✚	103-2477	Bearing, ball	2
48▲	103-2534	Spacer, bearing	1
49▲	103-2535	Spacer, guard bottom	1
50	103-1082	Strut wldmt S/A	2
51	103-0701	Jackshaft Assy	1
52✚	1-643393	Jackshaft	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	329-29	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✚	103-0137	Sheave, double	1
64	103-0280	Housing, Jackshaft	1
65✻◊		Asm, jackshaft housing w/brgs	1
66▲	103-2544	Asm, jackshaft housing w/brgs	1
67★	103-0683	Complete deck assembly	1

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

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

✻ For Serial Nos. 351,999 and lower.

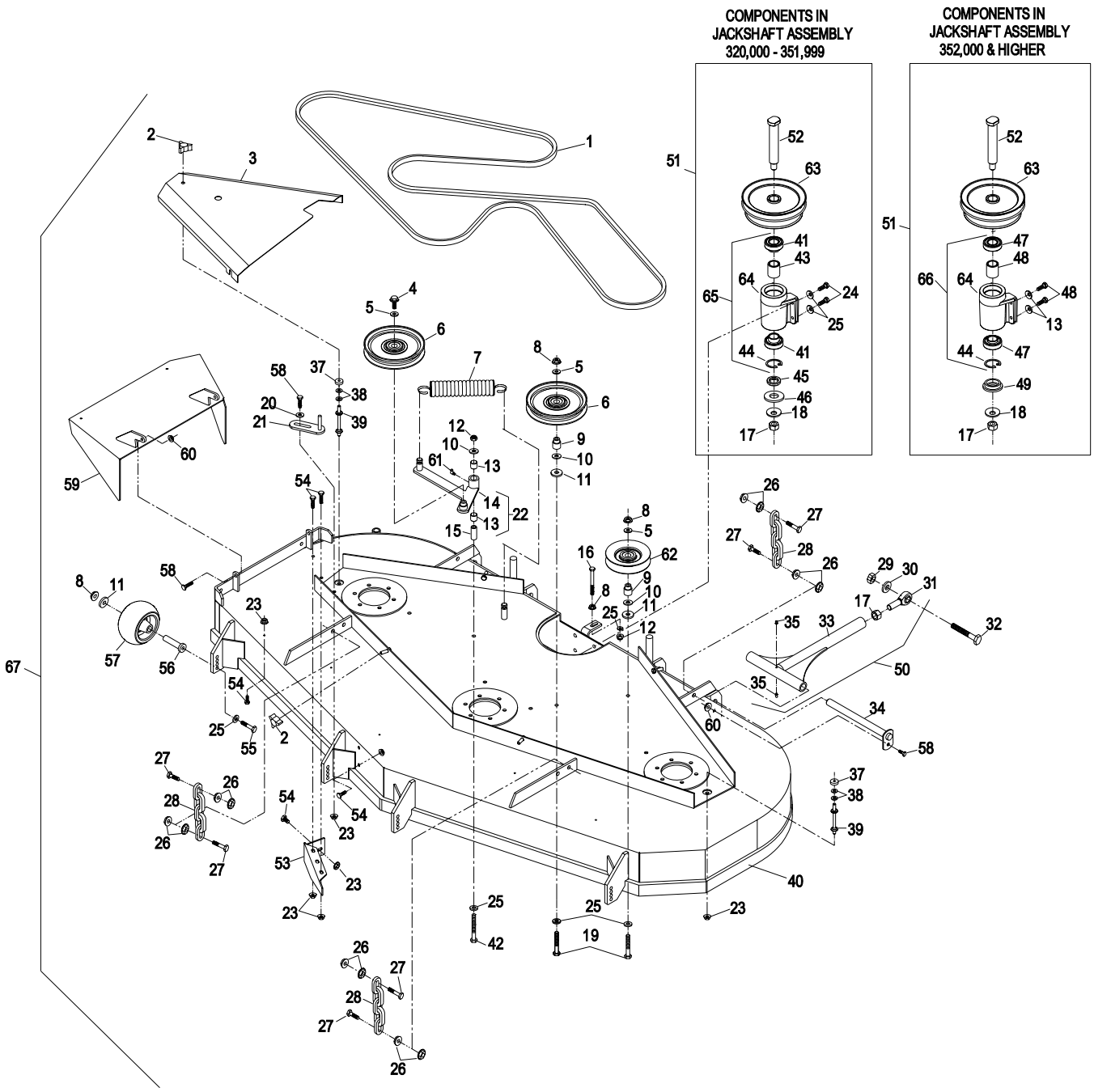
▲ For Serial Nos. 352,000 and higher.

★ Complete deck assembly includes mower deck cutter housing assemblies and blades (see page 9).

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

◊ This assembly is now serviced by 103-2544.

72” DECK GROUP

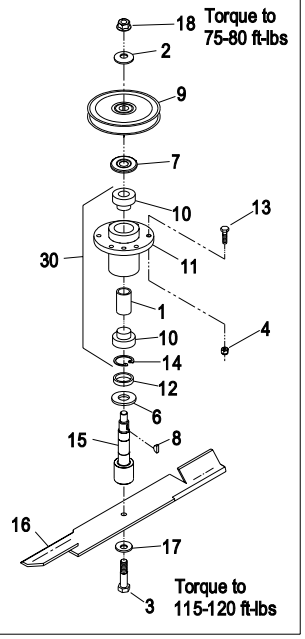


MOWER DECK CUTTER HOUSINGS

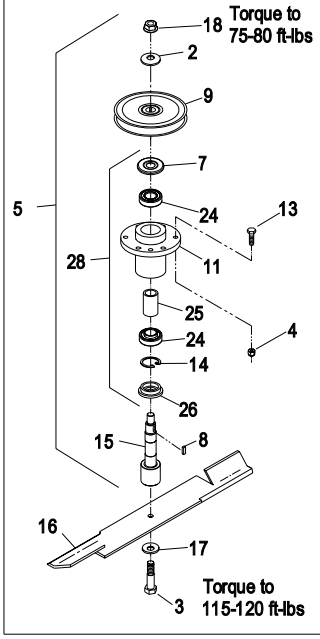
SERIAL NOS. 320,000 THRU 351,999

(W/ 5/8-18 TOP SPINDLE NUT)

ORIGINAL EQUIPMENT



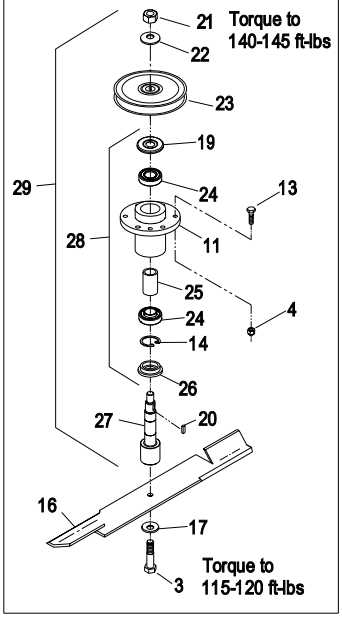
CUTTER HOUSING ASSEMBLY FOR SERVICE



SERIAL NOS. 352,000 & HIGHER

(W/ 3/4-16 TOP SPINDLE NUT)

ORIGINAL EQUIPMENT AND CUTTER HOUSING ASSEMBLY FOR SERVICE



Ref. No.	Part No.	Description	Qty. Req'd.
1	1-323533	Spacer, shv/brg	3
2	1-513208	Washer, disc spring	3
3	103-0862	Screw, 5/8-18x2 3/4 gr 8	3
4	3296-39	Nut, 3/8-16 nyloc	18
5▮	103-1140	Cutter hsg complete 52,60	3
▮	1-644092	Cutter housing complete 72	3
6	1-633573	Guard, Brg bottom	3
7	103-1331	Guard, bearing top	3
8❖	3257-32	Key, # 61 Woodruff	3
✪	10-8040	Key, 3/16 sq x 3/4	3
9✚	1-633701	Sheave, blade drive 52,60	3
✚	1-643269	Sheave, blade drive 72	3
10✚	1-513016	Bearing	8
11	1-323532	Housing ,bearing	3
12	1-323528	Spacer, bearing	3
13	323-7	Screw, HH cap 3/8x1 1/4	18
14	32120-8	Snap Ring	3
15❖✚	103-0584	Spindle	3
✪✚	103-2326	Spindle	3
16	103-2528	Blade, notched (52 deck)	3
	103-2508	Blade, low lift (52 deck)	3
✦	103-2518	Blade, mulching (52 deck)	3
	103-1578	Blade, solid (52 deck)	3

Ref. No.	Part No.	Description	Qty. Req'd.
16(cont)	103-2530	Blade, notched (60 deck)	3
	103-2510	Blade, low lift (60 deck)	3
✦	103-0301	Blade, mulching (60 deck)	3
	103-1580	Blade, solid (60 deck)	3
	103-2531	Blade, notched (72 deck)	3
	103-2511	Blade, low lift (72 deck)	3
✦	103-2521	Blade, mulching (72 deck)	3
	103-1581	Blade, solid (72 deck)	3
17	103-0865	Washer,disc spring	3
18	32128-58	Nut, Flange 5/8-18	3
19	103-1330	Guard, bearing top	3
20	103-2982	Key, 1/4x3/16x3/4	3
21	3217-46	Nut, HH 3/4-16 heavy	3
22	103-2802	Washer, disc spring 3/4	3
23✚	103-2794	Sheave, blade drive 52,60	3
✚	103-2795	Sheave, blade drive 72	3
24✚	103-2477	Bearing, ball	8
25	103-2534	Spacer, bearing	3
26	103-2535	Spacer, guard bottom	3
27✚	103-2785	Spindle	3
28	103-2547	Cutter housing assembly	3
29▮	103-3200	Cutter Hsg Complete 52,60	3
▮	103-3206	Cutter Hsg Complete 72	3
30♠		Housing w/ring,spacer,& brg	3

✦ Requires installation of Micro-Mulch accessory for proper mulching. Mulch kit P/N MK524, MK604, or MK724

❖ This component required if keyway is for a woodruff key, S/N 330,786 and lower.

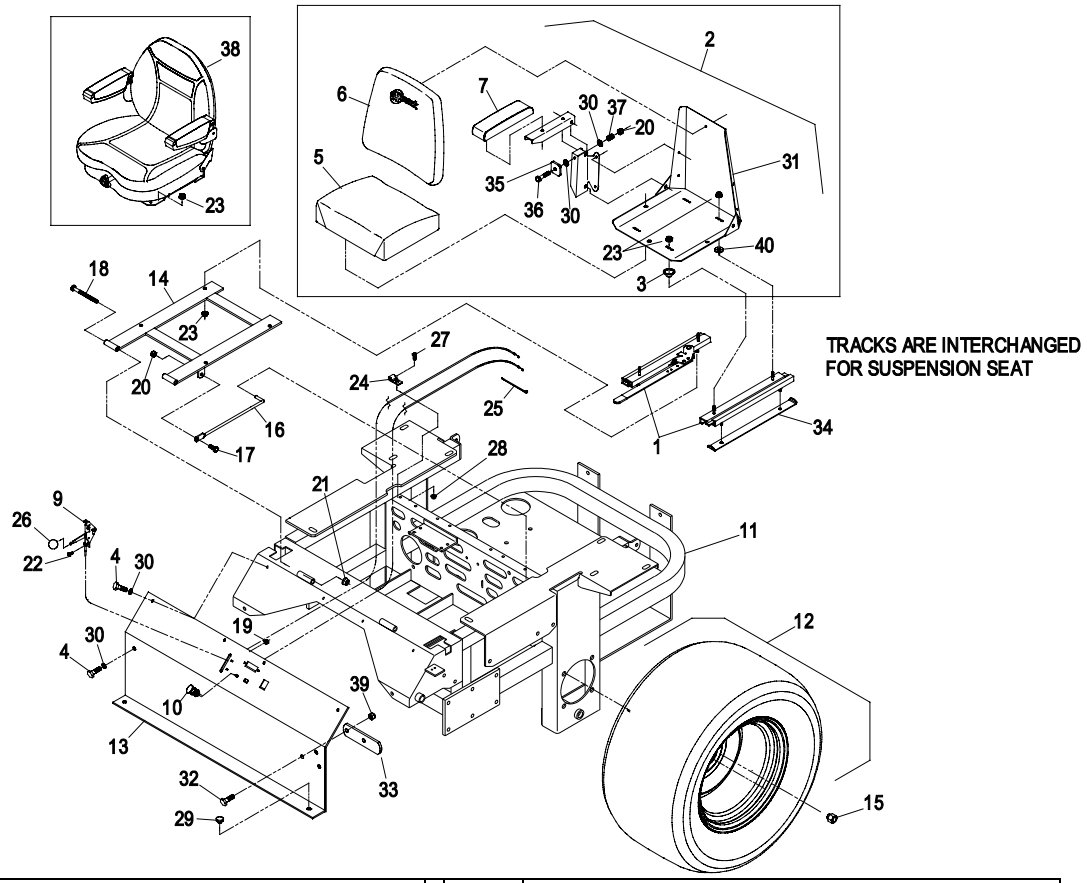
✪ This component required if keyway is for a square key, S/N 330,787 – 351,999.

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

♠ This assembly is now serviced by kit number 103-2547.

▮ Complete cutter housings also include Items 3 & 17.

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 26hp Koh)	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	103-2131-03	Frame, engine deck	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
	1-653010	Wheel/tire assy. (52").....	2
	1-653160	Tire, 23x9.5-12 4 ply (52")...	2
	1-653158	Wheel (52")	2
13	1-633965-03	Front, Console	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
23	32128-20	Nut, whizlock 5/16-18.....	8

Ref. No.	Part No.	Description	Qty. Req'd.
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 (26 HP Kohl & 23 & 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 (26hp Koh)	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 26 HP EFI units, it is an optional kit on other units PN MSSLZ.

♦ The stop/spacer is installed with the slotted holes to the rear on 26HP Kohler 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

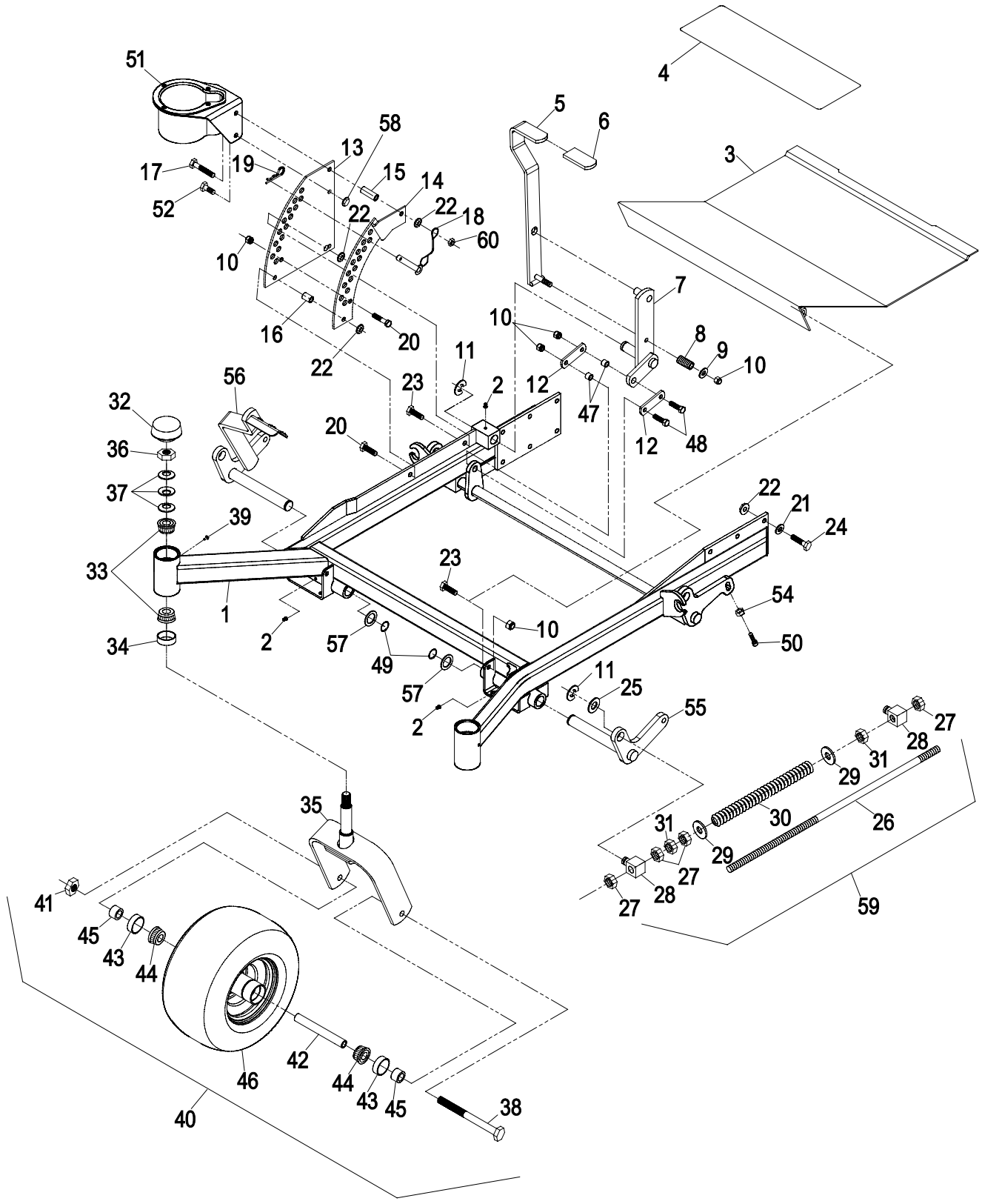
FRONT FRAME GROUP

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	103-1490-01	Floorpan	1
4	1-633553	Pad, anti skid	3
5	103-2084	Lever w/grip	1
	103-2083-03	Lever wldmt, lift.....	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 (serv only)....	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

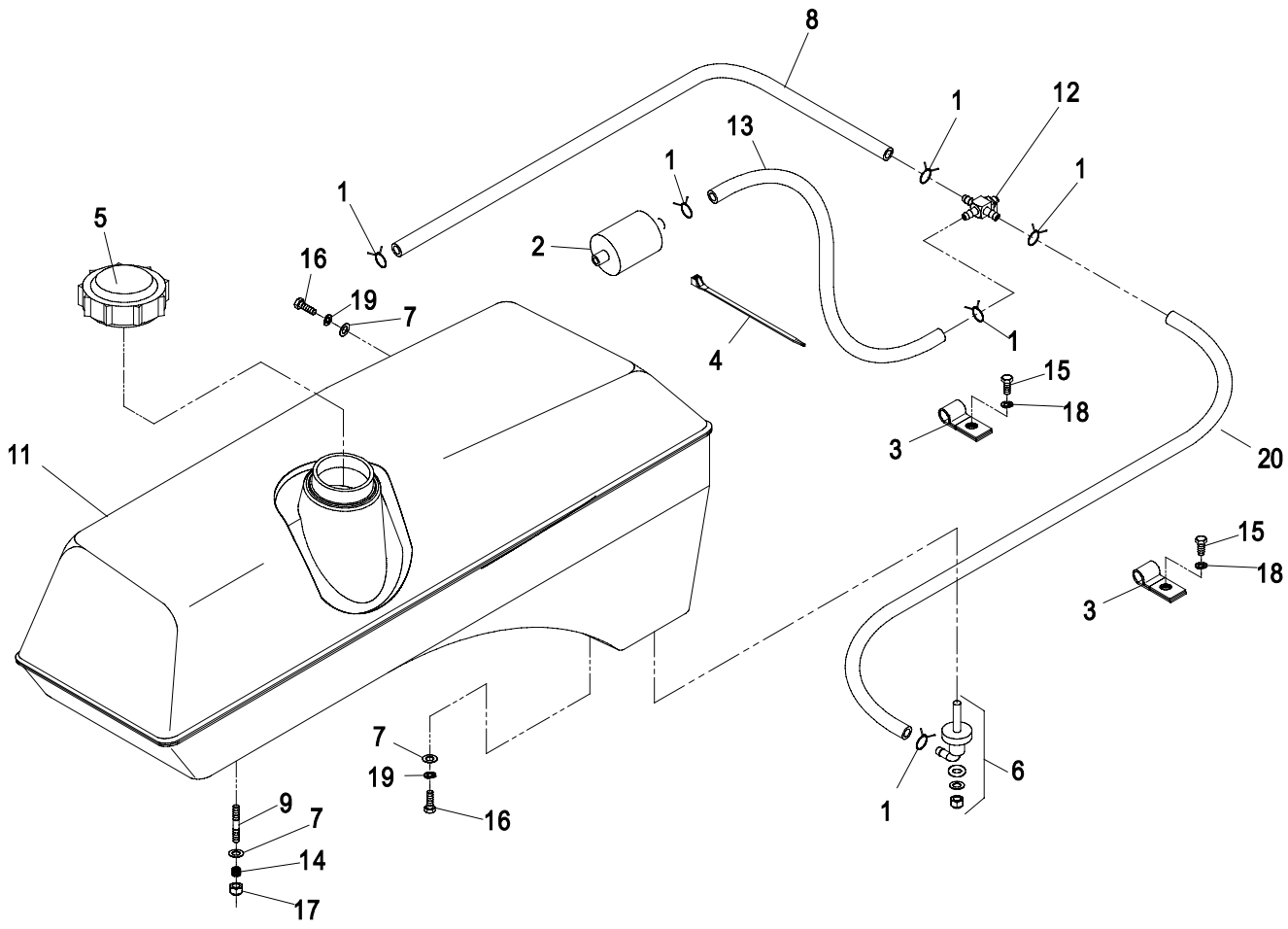
Ref. No.	Part No.	Description	Qty. Req'd.
31	3218-6	Jam nut, 5/8-11	4
32	1-543513	Cap, grease.....	2
33	1-543509	Bearing cone,tapered roller	4
	1-543508	Bearing cup, tapered roller.	4
34	1-543511	Seal, grease.....	2
35	103-1474-01	Caster wldmt.....	2
36	3296-51	Nut, 3/4-10 nyloc.....	2
37	1-633508	Washer, 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

Exmark red touch up spray paint - P/N 850337

FRONT FRAME GROUP



25 HP KAWASAKI and 20, 23, & 25 HP KOHLER AIR-COOLED FUEL GROUP

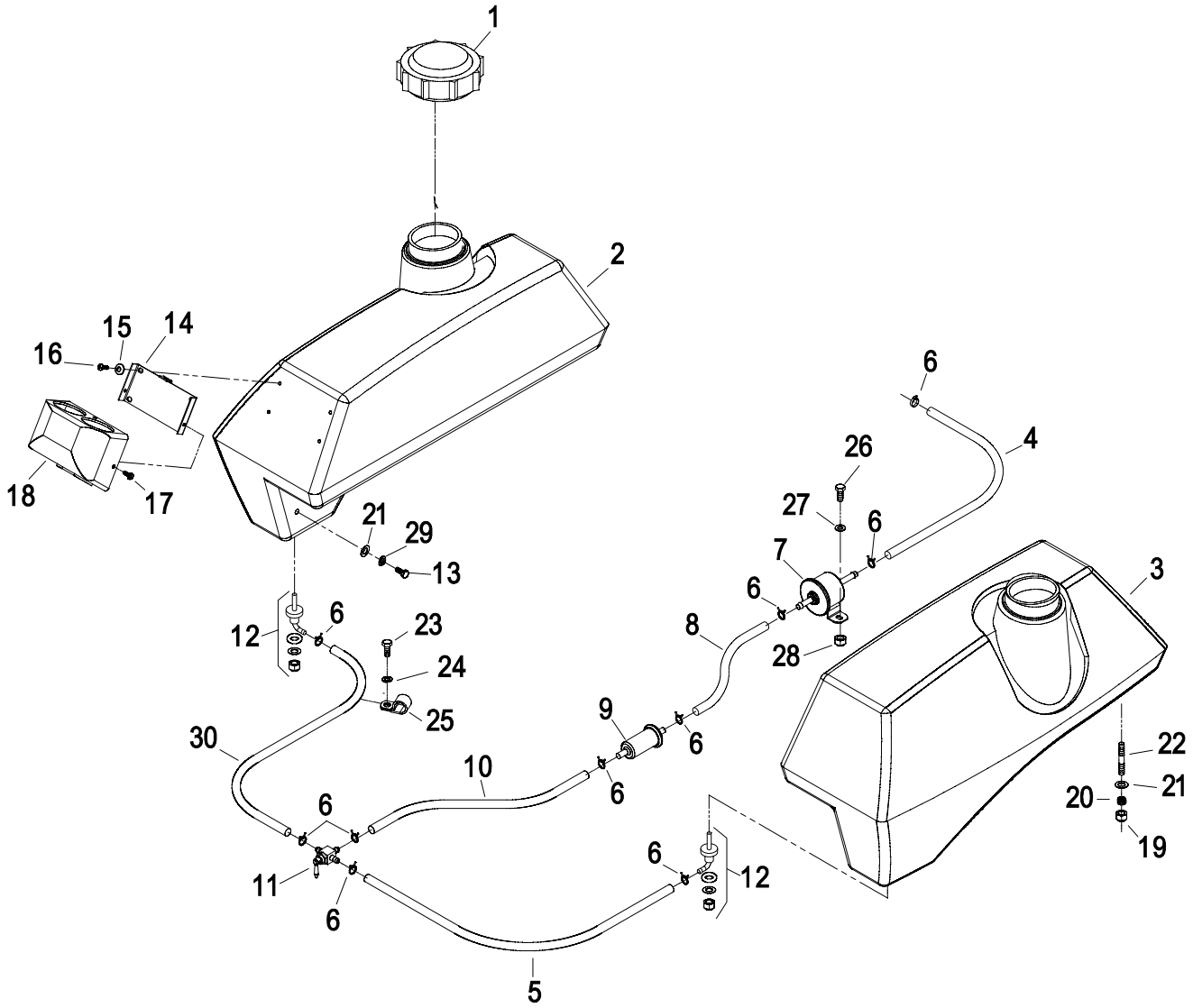


Ref. No.	Part No.	Description	Qty. Req'd.
1	1-303077	Clamp, fuel line	6
2⌑	**Kohler**	Part No. 2405002 Fuel Filter	1
⌑	**Kawasaki**	Part No. 49019-7001 Fuel Filter	1
3	1-513762	Clip, loom .50	2
4	1-303335	Plastic tie (large)	1
5	103-2107	Cap, fuel tank	2
6▽	103-2605	Fitting,fuel blkhd w/screen	2
	103-2784	O-ring	2
7	3256-23	Washer, 5/16 SAE	10
8	1-543456	Fuel line	1
9◆	1-633023	Stud, fuel tank	6

Ref. No.	Part No.	Description	Qty. Req'd.
10*	103-2618	Asm,tank fuel (LH)	1
11	103-2619	Asm,tank fuel (RH)	1
12	1-633347	Valve, fuel	1
13	1-633348	Fuel line	1
14	1-633349	Spring, fuel tank	6
15	321-3	Screw, 1/4-20 x 5/8	2
16	322-3	Screw, 5/16-18 x 3/4	4
17	3296-47	Nut, thin nyloc 5/16-18	6
18	1-805004	Washer, lock 1/4	2
19	1-805005	Washer, lock 5/16	4
20	103-2885	Fuel line	1

◆ Use Prolock, Retaining type (Part No. 1-840023), .5 ml 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 Prolock, Nut type (Part No. 1-840022), .5 ml tube on fuel fitting.

KAWASAKI LIQUID-COOLED FUEL GROUP

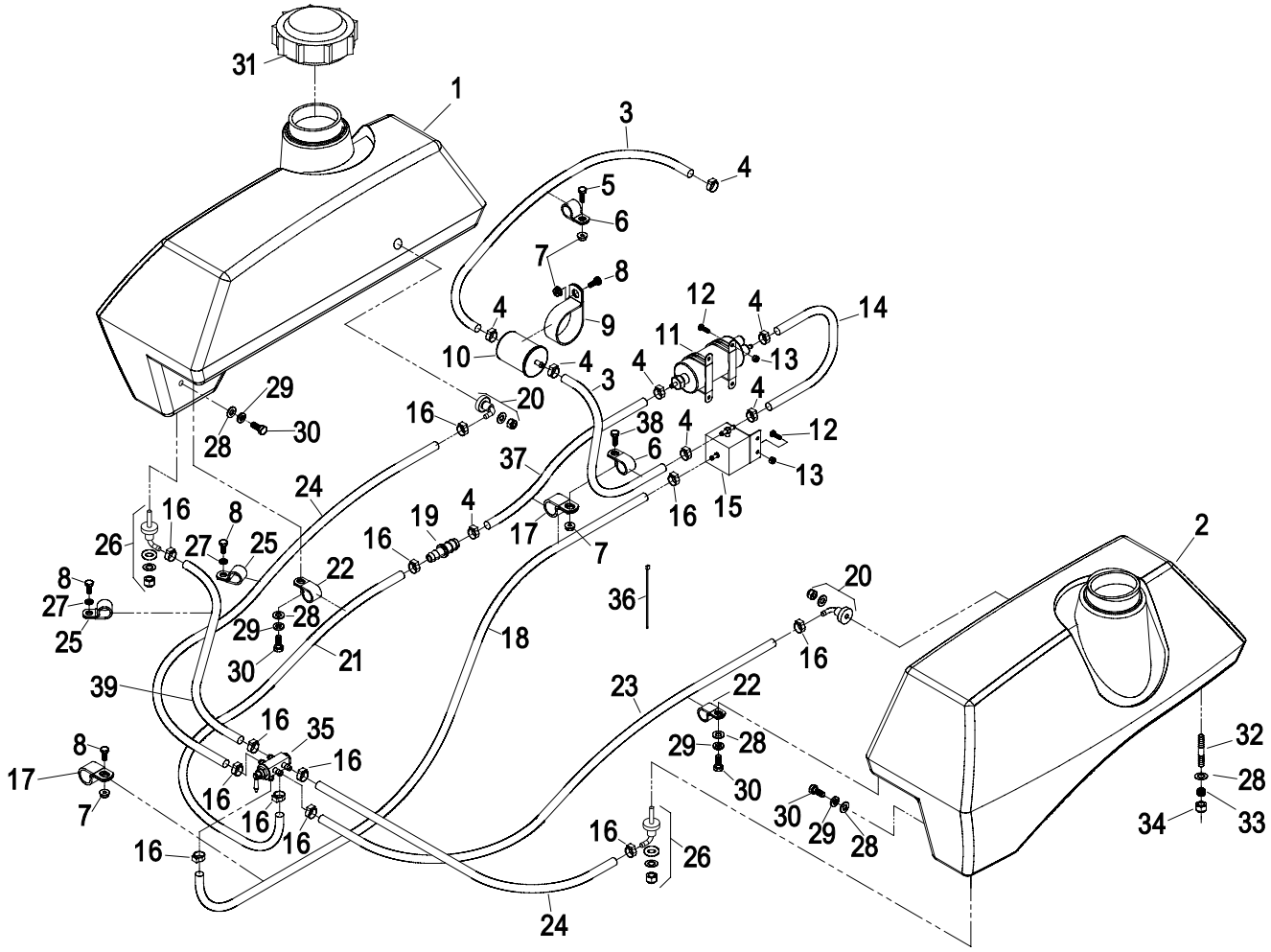


Ref. No.	Part No.	Description	Qty. Req'd.
1	103-2107	Cap, fuel tank	2
2	103-2620	Asm,tank fuel (RH)	1
3	103-2618	Asm,tank fuel (LH)	1
4	103-1335	Fuel, line	1
5	1-543456	Fuel line	1
6	1-303077	Clamp, fuel line	10
7⌑	**Kawasaki** P/N 49040-2065 Fuel Pump		1
8	1-643270	Fuel line	1
9⌑	**Kawasaki** P/N 49019-1055 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

Ref. No.	Part No.	Description	Qty. Req'd.
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 Prolock, 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 Prolock, Nut type (Part No. 1-840022), .5 ml tube on fuel fitting.

KOHLER 26 HP 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

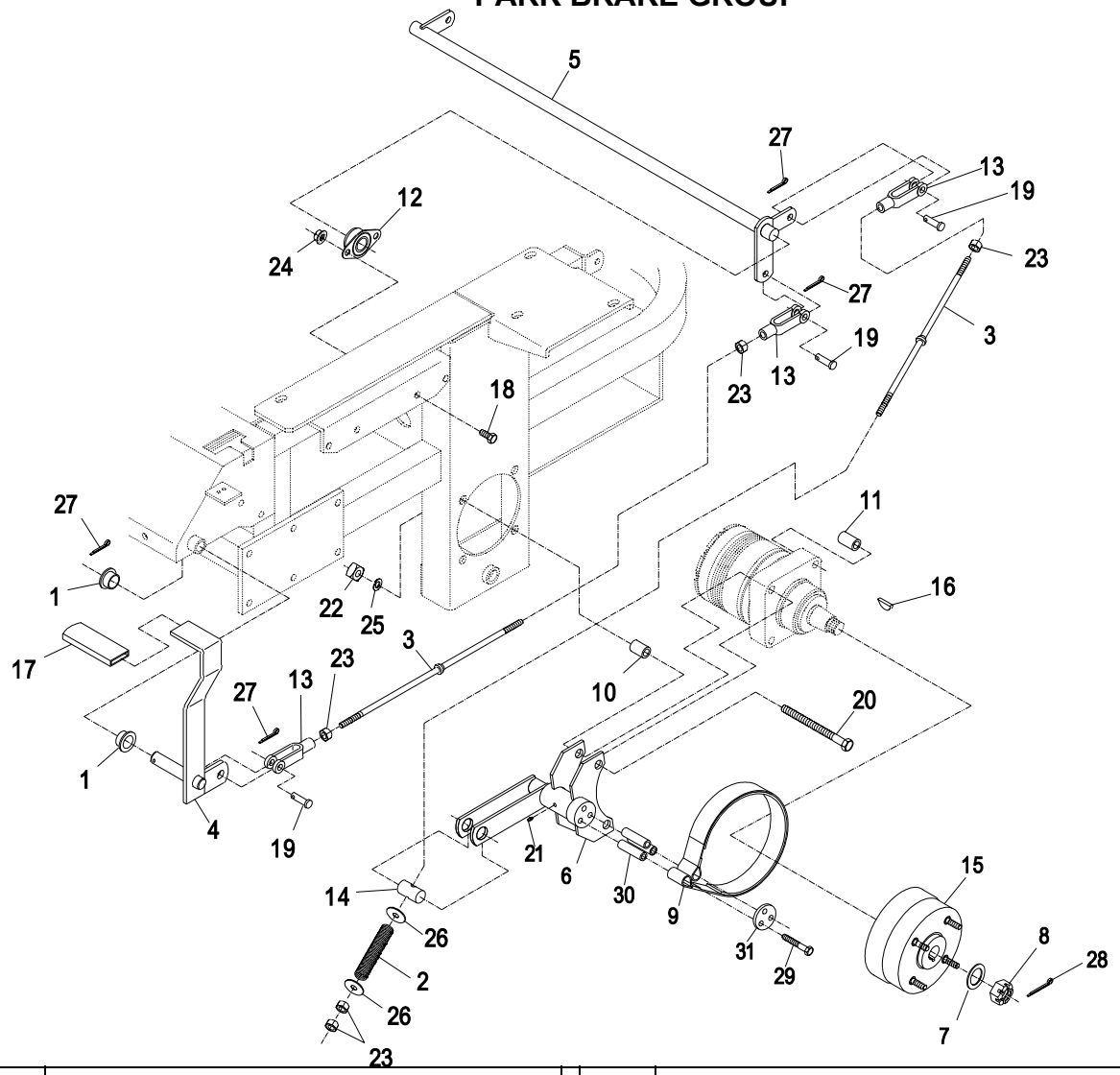
◆ Use Prolock, Retaining type (Part No. 1-840023), .5cc tube on stud threads going into the tank.

⌑ 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.

✚ Use Prolock, Nut type (Part No. 1-840022), .5 ml tube on fuel fitting.

PARK BRAKE GROUP

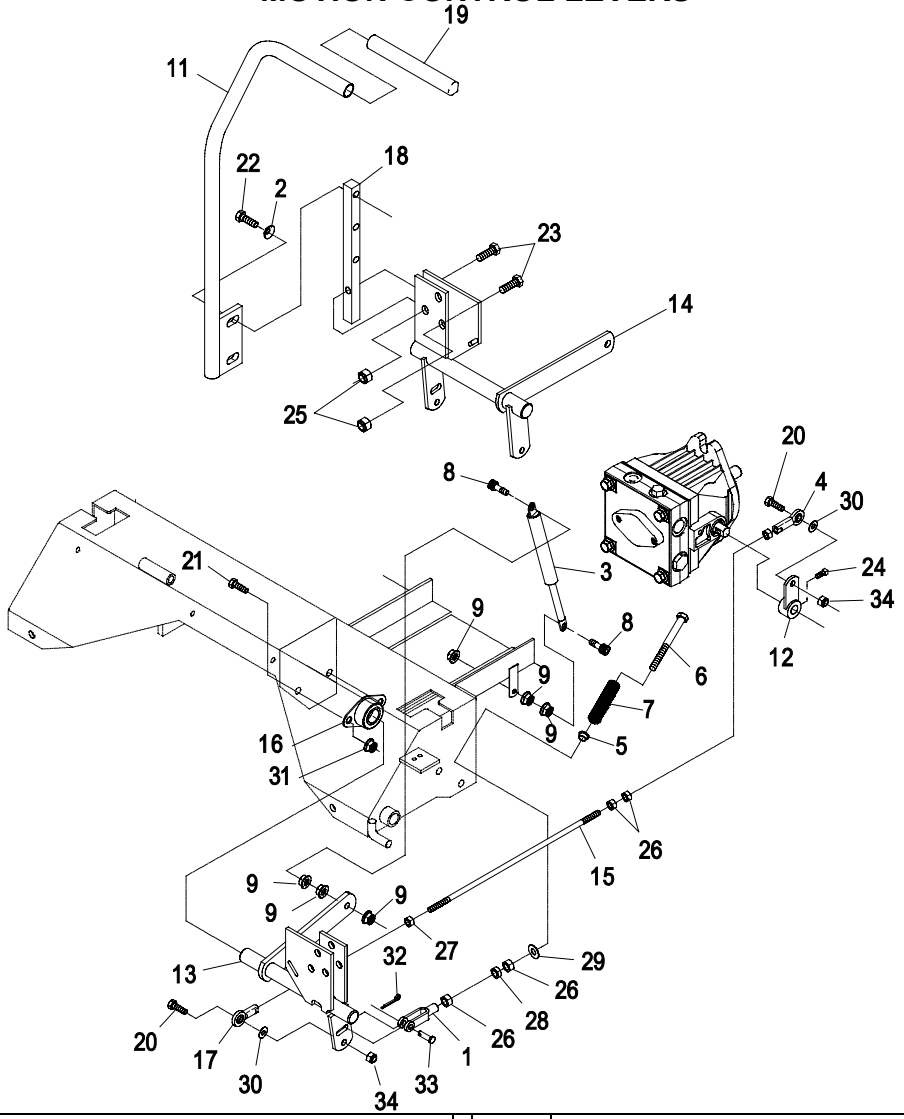


Ref. No.	Part No.	Description	Qty. Req'd.
1	1-513140	Bushing	2
2	1-633454	Spring, brake rod	2
3	1-633477	Rod, brake	3
4	1-634500	Lever w/grip	1
	1-632489-03	Lever, brake	1
5	1-632217-03	Shaft, brake	1
6	103-0352-03	Bracket, brake (52"&60")	2
	103-0354-03	Bracket, brake (72")	2
7	1-523157	Washer, spacer	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	1-807020	Woodruff key, 5/16X1	2
17	1-633268	Grip, brake lever	1
18	323-4	Screw, 3/8-16 x ¾	4
19	1-808285	Pin, clevis 3/8 x 1 1/8	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	7
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

MOTION CONTROL LEVERS



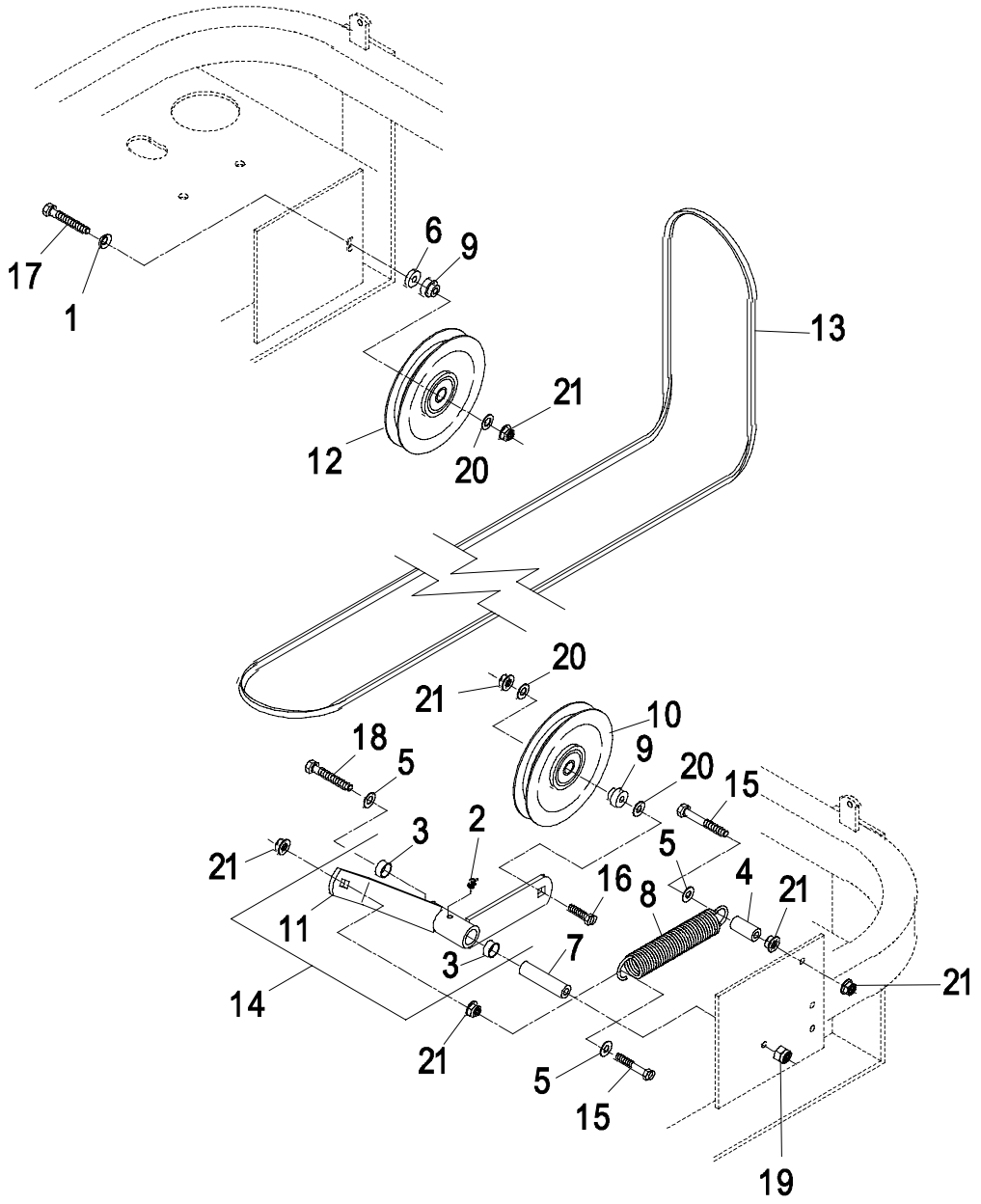
Ref. No.	Part No.	Description	Qty. Req'd.	Ref. No.	Part No.	Description	Qty. Req'd.
1	1-303105	Yoke	2	17	1-633152	Ball joint (LH)	2
2	98-5975	Washer, disc spring 3/8	4	18	103-0407	Arm, control shaft	2
3	103-2913	Damper	2	19	1-633257	Grip, motion control handle	2
4	1-543017	Ball joint (RH)	2	20	322-6	Screw, 5/16-18 x 1 1/4	4
5	1-603735	Bushing,nylon (reverse ind)	2	21	323-4	Screw, 3/8-16 x 3/4	8
6	1-603737	Bolt, (neutral return)	2	22	323-7	Screw, 3/8-16 x 1	4
7	1-603807	Spring, (neutral return)	2	23	323-9	Screw, 3/8-16 x 1 3/4	6
8	1-403180	Screw, 5/16-18x1 3/8 special	4	24◊	1-803022	Set screw, 5/16 x 5/8	2
9	32128-20	Nut, whizlock 5/16-18	12	25	3296-39	Nut, nyloc 3/8-16	6
10∗	103-0631	Handle w/grip (LH)	1	26	3219-2	Nut, 5/16-24	10
	103-0409-03	Handle, motion control (LH)	1	27	1-804524	Nut, 5/16-24 (LH)	2
11	103-0632	Handle w/grip (RH)	1	28	3220-2	Nut, jam 5/16-24	2
	103-0410-03	Handle, motion control (RH)	1	29	3256-2	Washer, 1/4	2
12	1-632208	Arm, pump control	2	30	3256-3	Washer, 5/16 std	4
13	1-642319	Bracket, motion control (LH)	1	31	3290-357	Nut, whizlock 3/8-16	8
14	1-642320	Bracket, motion control (RH)	1	32	3272-5	Pin, cotter 3/32 x 1/2	2
15	1-633153	Link, pump control	2	33	1-808280	Pin, clevis 5/16 x 1	2
16	1-633102	Bearing, flanged	4	34	3296-29	Nut, nyloc 5/16-18	4

Exmark black touch up spray paint - gloss black

∗ Not Illustrated.

◊ Use Pro-Lock, Nut Type (P/N 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 (90°)	1
3	1-513034	Bearing	2
4	1-603401	Spacer, spring	1
5	3256-4	Washer, 3/8	3
6	1-603050	Spacer	1
7	1-603384	Bushing, idler pivot	1
8	1-603402	Spring, mule idler	1
9	1-603496	Bushing, idler	2
10	1-603805	Pulley, idler	1
11	1-632468-03	Arm, idler	1
12	1-633166	Pulley, idler	1
13	1-633173	Belt, mule drive	1
14	1-632469	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

AIR-COOLED ENGINE DECK GROUP

Ref. No.	Part No.	Description	Qty. Req'd.
1	1-643315	Baffle, Engine Cooler (Koh)	1
2	1-303335	Plastic tie	1
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	103-0662	Clutch w/tie (20&23HP Koh)	1
	103-0665	Clutch w/tie (25&26HP Koh)	1
	103-1364	Clutch w/tie (25HP Kaw)	1
	105-1670	Pigtail, clutch	1
	103-3012	Kit, brake pole module	1
10	1-633453	Spacer (20&23HP Koh)	1
	1-633179	Spacer (25&26HP Koh & 25HP Kaw)	1
11	1-634308	Shield, lift – subassy (Koh)	1
	103-1301	Shield, lift – subassy (Kaw)	1
12	103-1308	Shield, engine	1
13	1-633300-03	Shield, lift (Koh)	1
	103-1304-03	Shield, lift (Kaw)	1
14	1-634796	Shield (LH) - subassy (Koh)	1
	103-0241	Shield (LH) - subassy (Kaw)	1
15	1-633301	Shield, heat (Koh)	2
	103-0243	Shield, heat (Kaw)	2
16	1-633795-03	Baffle, engine (LH)	1
17	1-643313-03	Shield, muffler	1
18	1-644316	Shield (RH) - subassy (Koh)	1
	103-0242	Shield (RH) - subassy (Kaw)	1
19	1-523285	Clip, shield (Koh)	2
	1-523285	Clip, shield (Kaw)	4
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 (Warner)	4
	1-613235	Washer (Ogura)	5
24	323-6	Screw, 3/8-16 x 1	8
	323-6	Screw, 3/8-16 x 1 (26hp Koh)	9
25⌑	3212-10	Screw, 7/16-20x2 ½ (Koh) (all clutches)	1
⌑	3212-6	Screw, 7/16-20x1 ½ (Kaw) (all clutches)	1
26	1-803035	Rivet, 3/16 x ¼ (Koh)	11
	1-803035	Rivet, 3/16 x ¼ (Kaw)	13
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	1
32	3290-357	Nut, whzlck 3/8-16	14
	3290-357	Nut, whzlck 3/8-16 (26hp Koh)	15
33	32128-33	Nut, whizlock 1/4-20	5
34	1-633396	Clip, loom .56	1
35	1-809076	Screw, M6-1.0 x 45mm (20, 23 & 25 hp Koh)	2
	1-809108	Screw, self tapping 5/16-18x1.75 (25 hp Kaw & 26 hp Koh)	2
36	1-323235	Washer, disc spring (20, 23 & 25 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	3296-29	Nut, nyloc 5/16-18 (Warner)	1
	3296-29	Nut, nyloc 5/16-18 (Ogura)	2
41	3256-63	Washer, 3/16 std.	6
42▽	103-1996	Valve, oil drain long (Koh)	1
43*	103-2459	Muffler,kit (26hp EFI Koh)	1
	103-1595	Muffler,kit (25hp Kaw)	1
44	9266934	Screw, 5/16-18x.5 (25 hp Kaw & 26 hp Koh)	2
45	324-2	Screw, 7/16-14x.75 g5 (25 hp Kaw & 26 hp Koh)	2
46	3253-6	Washer, Lock 7/16 (25 hp Kaw & 26 hp Koh)	2
47	33014-00	Nut, Hex M8 1.25 (25 hp Kaw & 26 hp Koh)	4
48	1-805005	Washer, Lock 5/16hvy (25 hp Kaw & 26 hp Koh)	4
49	103-0152	Keeper, Clutch (25 hp Kaw)	1
50	1-653291	Gasket (Koh)	2
	1-653313	Gasket (Kaw)	2
51	103-1513	Arrester,Spark (1.25) (26 hp Koh EFI & 25 hp Kaw)	1
52	103-1514	Clamp,Muffler (1.38) (26 hp Koh EFI & 25 hp Kaw)	1
53	323-9	Screw, 3/8-16 x 1 ¾	4
54	98-5975	Washer, spring disc 3/8	4
55▽	103-1965	Valve, oil drain short (Kaw)	1
56	103-1966	Adapter, M-20x2.5 / 3/8 NPT	1
57	103-1964	Hose, 24" oil drain	1
58	1-641212	Clutch w/tie (Ogura)	1
59	1-807261	Key, 1/4 x 1/4 x 2.0 (Ogura)	1
60	1-643179	Spacer, clutch (Ogura)	1
61	322-7	Screw, 5/16-18 x 1/2 (Ogura)	1
62	1-633082	Spacer, clutch anchor (Ogura)	1
63	322-14	Screw, 5/16-18 x 3.0 (Ogura)	1
64	1-643180	Keeper, clutch (Ogura)	1

▽ Use a Teflon Pipe Sealant or equivalent on threads.
⌑ Use Pro-Lock, Nut Type (P/N 840022, .5ml tube) on clutch bolt.
* The muffler for 20, 23 & 25 HP Kohler units comes with the engine.
Exmark black touch up spray paint - gloss black

Kohler Replacement Parts List

(Refer to Engine Owner's Manual)

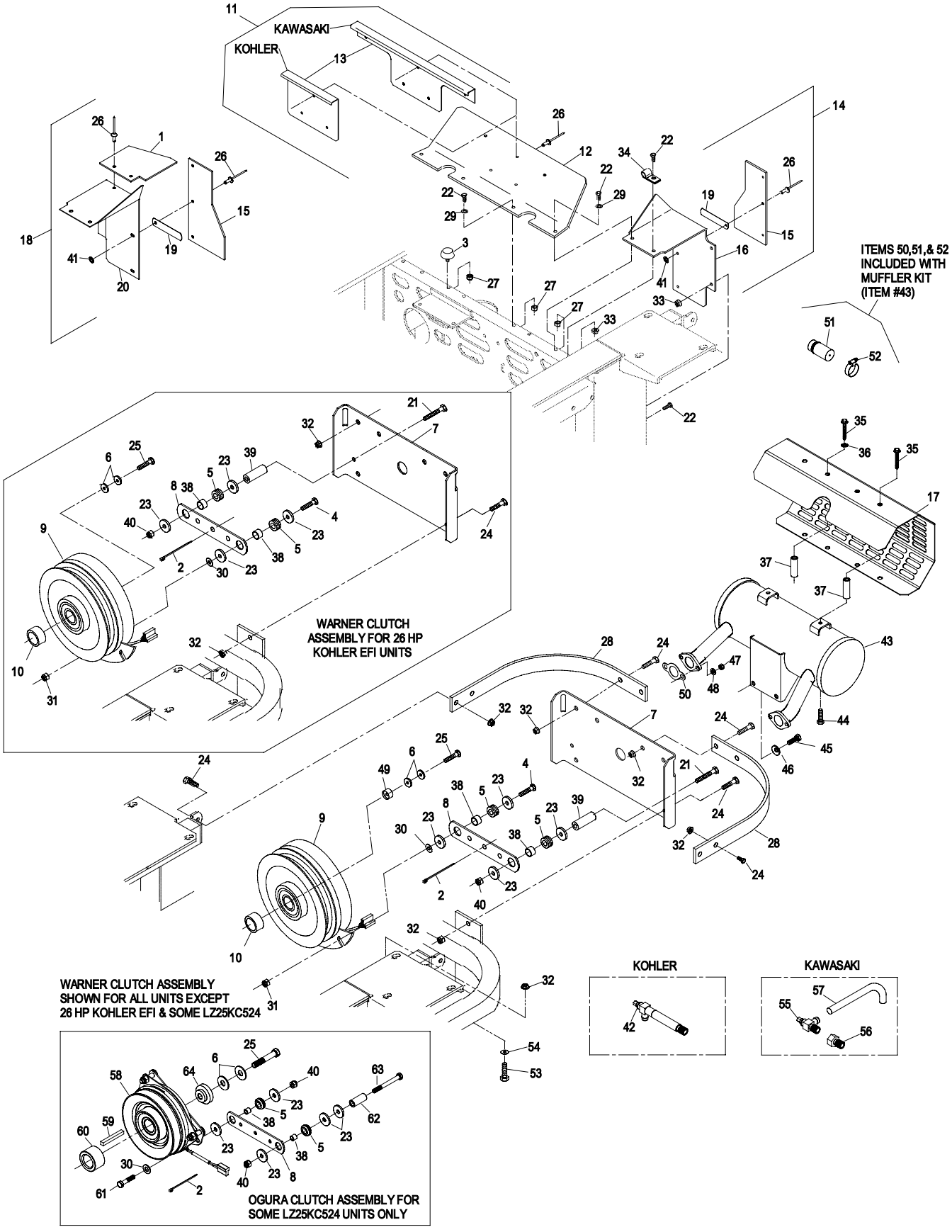
Description	Kohler Part No.
Engine Oil Filter	5205002
Air Filter	2508301
Safety Filter	2508304

Kawasaki Replacement Parts List

(Refer to Engine Owner's Manual)

Description	Kawasaki Part No.
Engine Oil Filter	49065-2078
Air Filter w/ Precleaner	11029-7004
Air Filter	11013-7007
Air Precleaner	11013-7011

AIR-COOLED ENGINE DECK GROUP



KAWASAKI LIQUID-COOLED ENGINE DECK GROUP

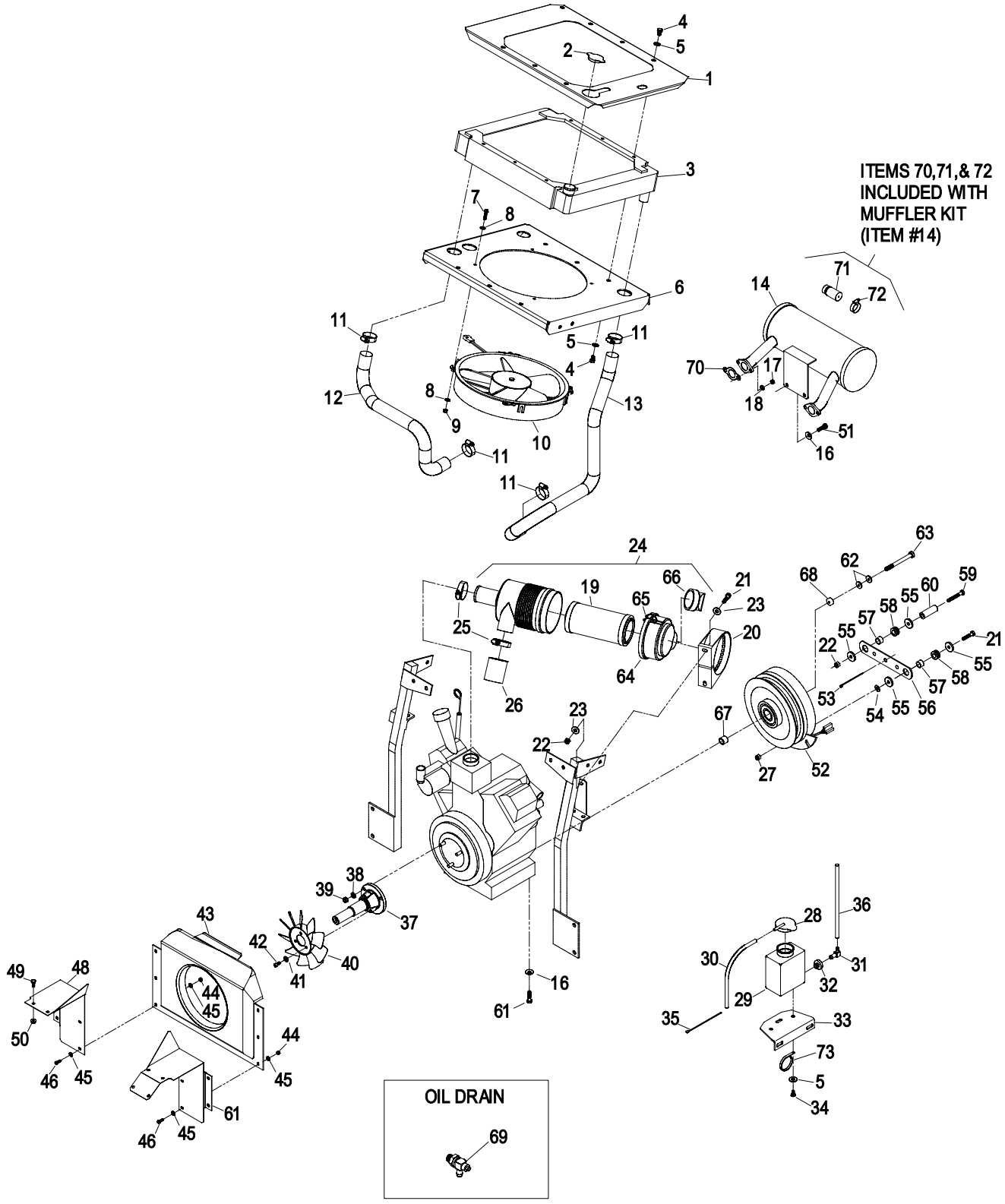
Ref No.	Part No.	Description	Qty. Req'd.
1	1-633902-03	Plate, Radiator Trim Face	1
2	1-643161	Cap, Radiator	1
3	103-1046	Radiator, horiz. Mount	1
4	322-1	5/16-18x1/2 HHC Screw	12
5	3256-23	Washer, Flat SAE 5/16	14
6	1-633888-03	Plate, Radiator/Fan Mnt.	1
7	1-803067	Scrw,12-24x1.0HSWHMach	4
8	3256-16	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	3
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	1
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	2
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	103-1364	Clutch w/tie	1
	105-1670	Pigtail, clutch	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	322-38	Screw, Cap HH 5/16-18x4.5	1
60	1-643008	Spacer, Clutch Anchor	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	103-0161	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	103-0113	Clip, loom	1

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

Exmark black touch up spray paint – gloss black

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

KAWASAKI LIQUID-COOLED ENGINE DECK GROUP



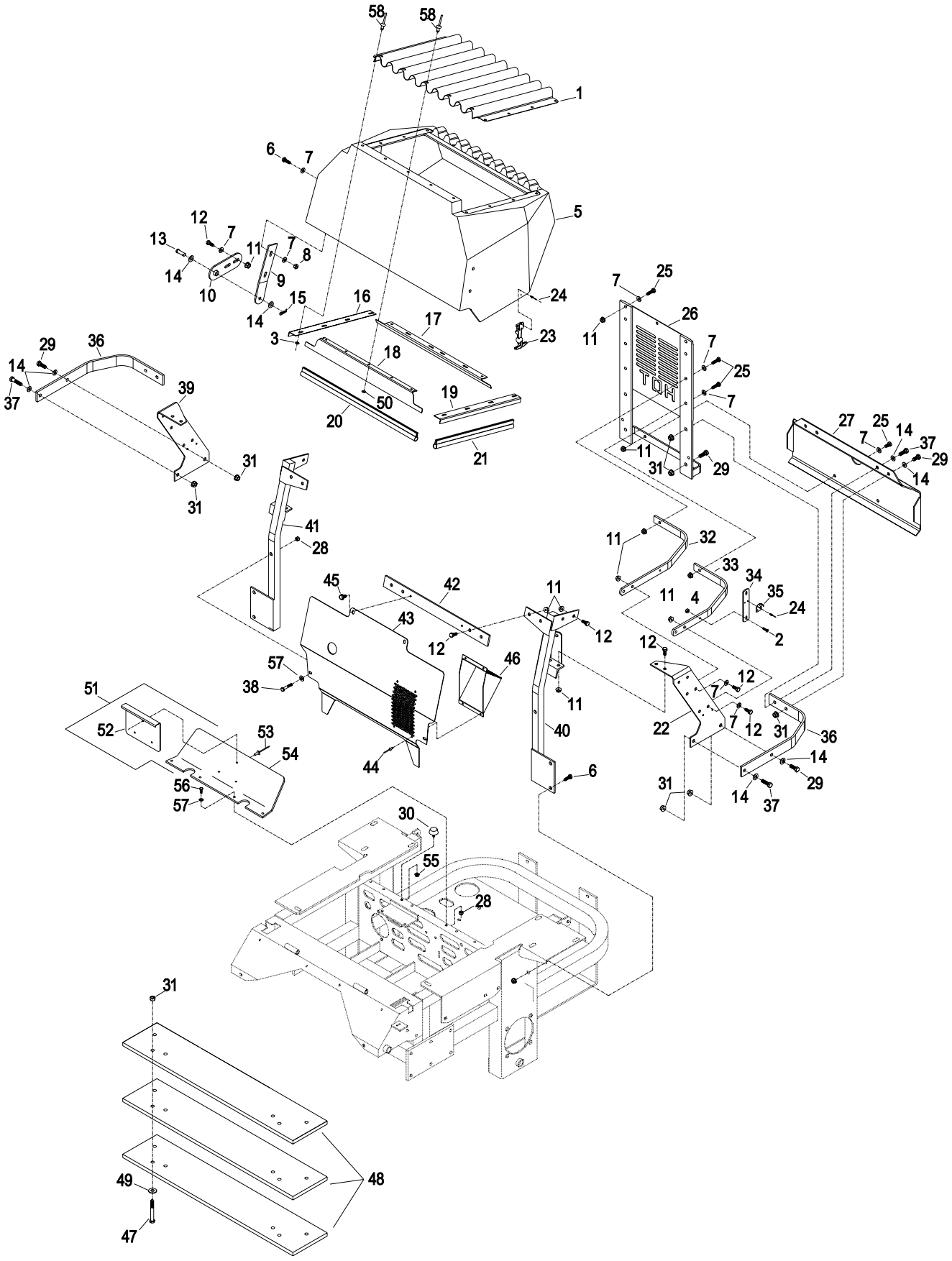
KAWASAKI LIQUID-COOLED ENGINE DECK GROUP (cont.)

Ref. No.	Part No.	Description	Qty. Req'd.
1	1-633864-03	Screen, Radiator Intake	1
2	1-803075	Screw,10-24X3/4 CRTRHD	4
3	3256-14	Washer, Flat Std #10	12
4	3296-2	Nut, Nyloc #10-24	4
5	1-633857	Hood, Engine Gray	1
☆	103-1044	Hood, w/decals	1
6	322-4	Screw,Cap HH 5/16-18x7/8	8
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 3/8-16x1-1/44	
38	323-9	Screw,Cap HH 1/4-20x1 1/22	
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
	103-2333-01	Weight Bar (72”)	1
49	98-5975	Washer, 3/8 disc spring	4
50	1-303435	Washer, Spring Disc .25	5
51	1-634308	Shield, lift - subassembly	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

Exmark black touch up spray paint – gloss black

☆ Hood only 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	103-1682	Hose,upper LH (52 & 60)	1
	1-633776	Hose,upper (72)	2
23	103-1683	Hose,lower LH (52 & 60)	1
	103-1863	Hose,lower (72)	2
24	1-523328	Motor,wheel drive	2
	103-2748	Kit, drive link	1
	1-000139	Kit, bearing	1
	1-000099	Kit, seal	1
25	103-1764	Hose,upper RH (52 & 60)	1
26	103-1765	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	1-633151	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

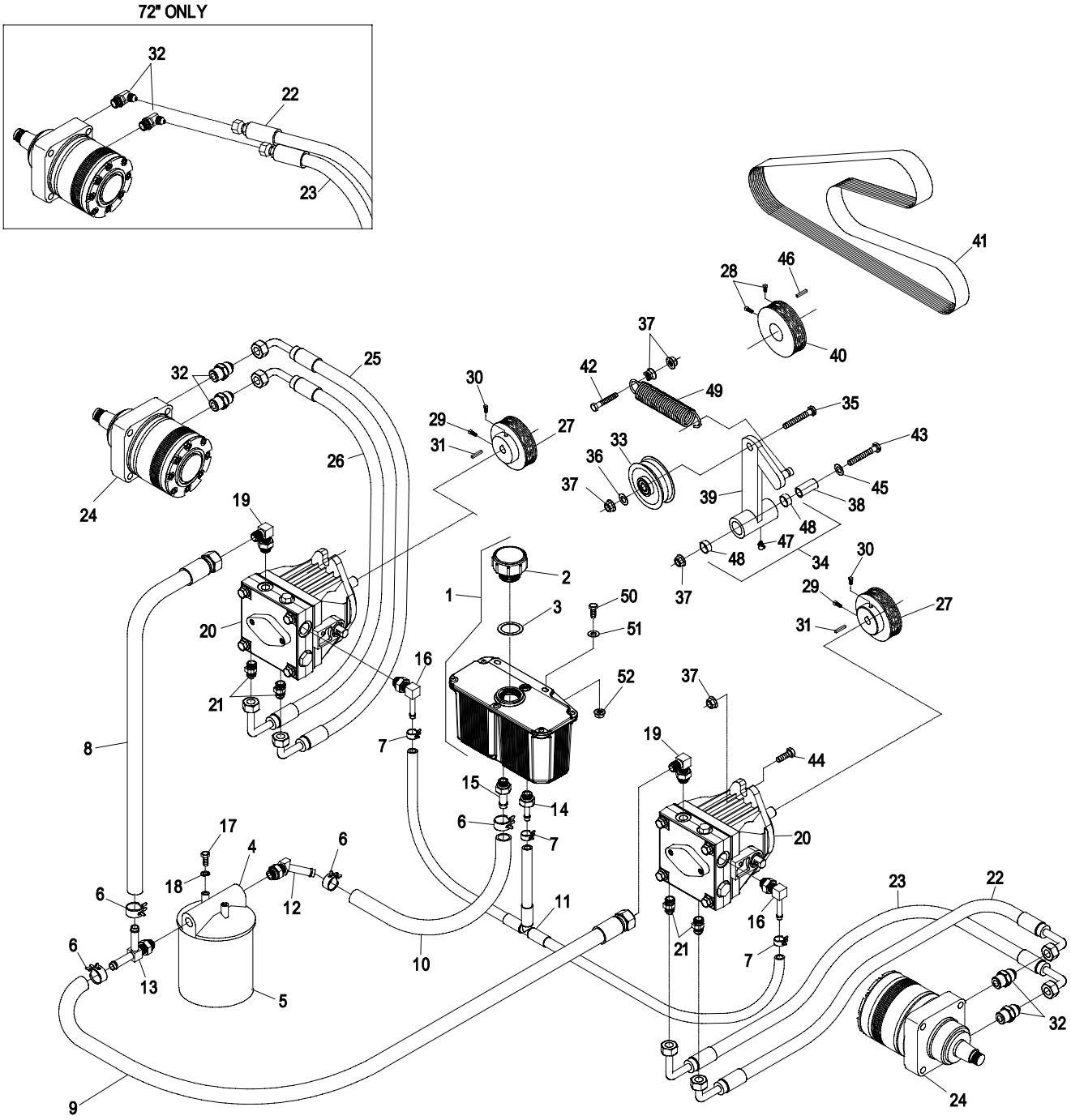
◊ Use Pro-Lock, Nut Type (P/N 1-840022, 5 ml tube) on setscrews.
Exmark black touch up spray paint - gloss black

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

□ 52” and 60” only

✳ 72” only

HYDRAULIC GROUP

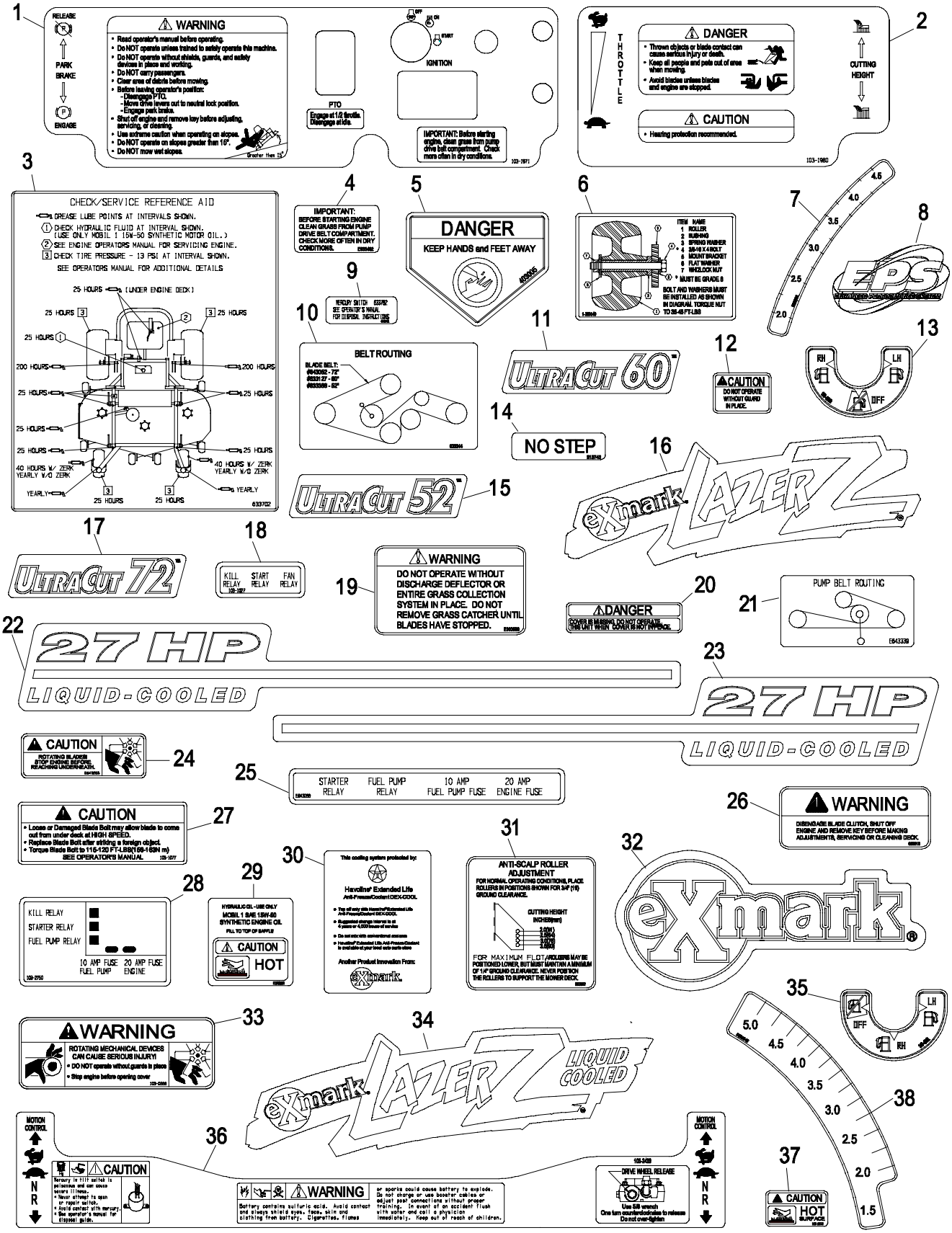


DECAL GROUP

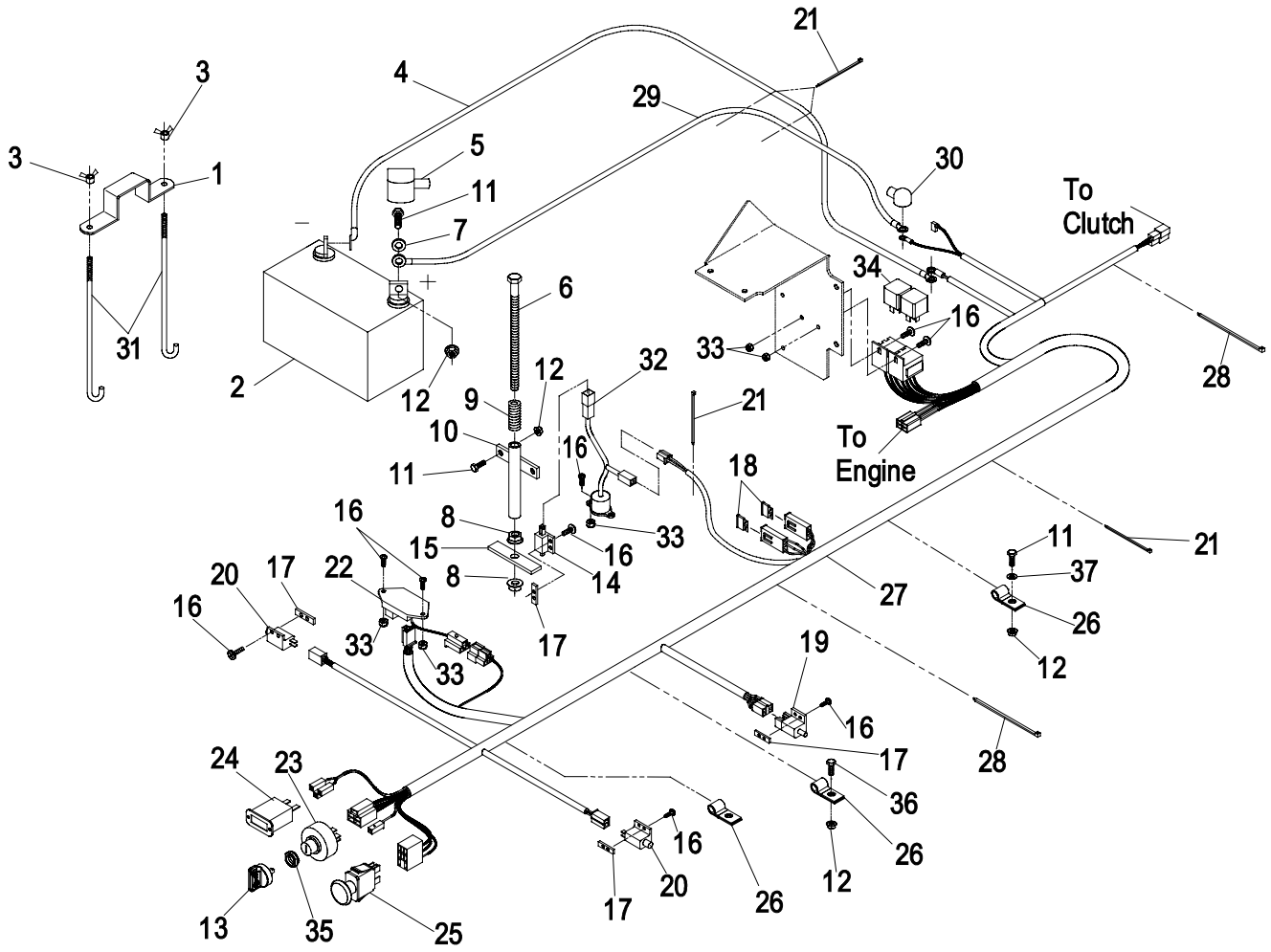
Ref. No.	Part No.	Description	Qty. Req'd.
1	103-1971	Decal, Console 1	1
2	103-1980	Decal, Console 2	1
3	1-633702	Decal, Check Service	1
4	1-633462	Decal, Important	1
5	1-403005	Decal, Danger	2
6	1-323540	Decal, Roller Mounting	1
7	1-633706	Decal, Deck Height	1
8•	1-643397	Decal, EPS	1
9	1-643401	Decal, Mercury Switch	1
10	1-643222	Decal, Belt Routing	1
11	103-1146	Decal, Ultracut 60	1
12	1-513748	Decal, Guard	1
13♦	103-0262	Decal, Fuel Valve	1
14	1-513742	Decal, No Step	2
15	103-1145	Decal, Ultracut 52	1
16**	1-633350	Decal, Lazer Swash	1
17	103-1147	Decal, Ultracut 72	1
18☆▼	103-1027	Decal, Relay	1
19	1-303508	Decal, Discharge Warning	1
20	98-5954	Decal, Missing Cover	2
21	1-643339	Decal, Pump Belt Rtg	1
22☆	103-1141	Decal, Hood LH	1
23☆	103-1142	Decal, Hood RH	1
24☆	1-643253	Decal, Radiator Fan	1
25•	1-643288	Decal, Fuse/Relay	1
26	1-633313	Decal, Warning	1
27	103-1077	Decal, Bolt Torque.	1
28❖☆	103-2750	Decal, Relay/Fuse.	1
29	1-523552	Decal, Hyd Tank/Hot Surface	1
30	103-0223	Decal, Havoline Coolant	1
31	1-633922	Decal, Anti-Scalp	1
32**	103-1983	Decal, Exmark logo	1
•	103-1984	Decal, Exmark logo	1
☆	103-1983	Decal, Exmark logo	1
33	103-0368	Decal, Rotating Devices	1
34☆	1-643104	Decal, L.C. Lazer Swash	1
35•	103-0261	Decal, Fuel Valve	1
36	103-2433	Decal, Top Console	1
37☆	103-2076	Decal, Hot Surface	2
38☆	1-633345	Decal, Deck Height	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 26 HP EFI Kohler.
• Decals for 26 HP EFI Kohler units only.
☆ Decal for Kawasaki Liquid-Cooled units only.
▼ For units with 3 relays.
❖ For units with 2 relays.

DECAL GROUP


1
RELEASE
PARK BRAKE
ENGAGE
WARNING
Read operator's manual before operating.
Do NOT operate unless trained to safely operate this machine.
Do NOT operate without shields, guards, and safety devices in place and working.
Do NOT carry passengers.
Clear area of debris before mowing.
Before leaving operator's position:
-Disengage PTO.
-Move drive levers out to neutral lock position.
-Engage park brake.
Shut off engine and remove key before adjusting, servicing, or cleaning.
Use extreme caution when operating on slopes.
Do NOT operate on slopes greater than 15°.
Do NOT mow wet slopes.
PTO
Engage at 1/2 throttle.
Disengage at idle.
IGNITION
IMPORTANT: Before starting engine, clean grass from pump drive belt compartment. Check more often in dry conditions.
2
THROTTLE
DANGER
Thrown objects or blade contact can cause serious injury or death.
Keep all people and pets out of area when mowing.
Avoid blades unless blades and engine are stopped.
CAUTION
Hearing protection recommended.
CUTTING HEIGHT
3
CHECK/SERVICE REFERENCE AID
GREASE LUBE POINTS AT INTERVALS SHOWN.
1 CHECK HYDRAULIC FLUID AT INTERVAL SHOWN. (USE ONLY MOBIL 1 15W-50 SYNTHETIC MOTOR OIL.)
2 SEE ENGINE OPERATORS MANUAL FOR SERVICING ENGINE.
3 CHECK TIRE PRESSURE - 13 PSI AT INTERVAL SHOWN.
SEE OPERATORS MANUAL FOR ADDITIONAL DETAILS
25 HOURS (UNDER ENGINE DECK)
25 HOURS
200 HOURS
40 HOURS W/ ZERK YEARLY W/O ZERK
YEARLY
4
IMPORTANT: BEFORE STARTING ENGINE CLEAN GRASS FROM PUMP DRIVE BELT COMPARTMENT. CHECK MORE OFTEN IN DRY CONDITIONS.
5
DANGER
KEEP HANDS and FEET AWAY
6
ITEM NAME
1 ROLLER
2 BUSHING
3 SPRING WASHER
4 3/8-16 X 4 BOLT
5 MOUNT BRACKET
6 FLAT WASHER
7 WHIZLOCK NUT
* MUST BE GRADE 8
BOLT AND WASHERS MUST BE INSTALLED AS SHOWN IN DIAGRAM. TORQUE NUT TO 38-48 FT-LBS
7
8
9
10
BELT ROUTING
11
ULTRACUT 60
12
CAUTION
DO NOT OPERATE WITHOUT GUARD IN PLACE.
13
RH
LH
OFF
14
NO STEP
15
ULTRACUT 52
16
eXmark LAZER Z
17
ULTRACUT 72
18
KILL RELAY
START RELAY
FAN RELAY
19
WARNING
DO NOT OPERATE WITHOUT DISCHARGE DEFLECTOR OR ENTIRE GRASS COLLECTION SYSTEM IN PLACE. DO NOT REMOVE GRASS CATCHER UNTIL BLADES HAVE STOPPED.
20
DANGER
21
PUMP BELT ROUTING
22
27 HP
LIQUID-COOLED
23
27 HP
LIQUID-COOLED
24
CAUTION
ROTATING BLADES STOP ENGINE BEFORE REACHING UNDERNEATH.
25
STARTER RELAY
FUEL PUMP RELAY
10 AMP FUEL PUMP FUSE
20 AMP ENGINE FUSE
26
WARNING
DISENGAGE BLADE CLUTCH, SHUT OFF ENGINE AND REMOVE KEY BEFORE MAKING ADJUSTMENTS, SERVICING OR CLEANING DECK.
27
CAUTION
Loose or Damaged Blade Bolt may allow blade to come out from under deck at HIGH SPEED.
Replace Blade Bolt after striking a foreign object.
Torque Blade Bolt to 116-120 FT-LBS(158-163N m)
SEE OPERATOR'S MANUAL
28
KILL RELAY
STARTER RELAY
FUEL PUMP RELAY
10 AMP FUSE FUEL PUMP
20 AMP FUSE ENGINE
29
HYDRAULIC OIL - USE ONLY
MOBIL 1 SAE 15W-50 SYNTHETIC ENGINE OIL
FILL TO TOP OF BAFFLE
CAUTION
HOT
30
This cooling system protected by:
Havoline® Extended Life
Another Product Innovation From:
eXmark
31
ANTI-SCALP ROLLER ADJUSTMENT
FOR NORMAL OPERATING CONDITIONS, PLACE ROLLERS IN POSITIONS SHOWN FOR 3/4" (19) GROUND CLEARANCE.
CUTTING HEIGHT INCHES(mm)
FOR MAXIMUM FLOTATION, ROLLERS MAY BE POSITIONED LOWER, BUT MUST MAINTAIN A MINIMUM OF 1/4" GROUND CLEARANCE. NEVER POSITION THE ROLLERS TO SUPPORT THE MOWER DECK.
32
eXmark
33
WARNING
ROTATING MECHANICAL DEVICES CAN CAUSE SERIOUS INJURY!
DO NOT operate without guards in place
Stop engine before opening cover
34
eXmark LAZER Z LIQUID COOLED
35
LH
OFF
RH
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
38
36
MOTION CONTROL
N
R
CAUTION
Battery contains sulfuric acid. Avoid contact and always shield eyes, face, skin and clothing from battery. Cigarettes, flames or sparks could cause battery to explode. Do not charge or use booster cables or adjust post connections without proper training. In event of an accident flush with water and call a physician immediately. Keep out of reach of children.
DRIVE WHEEL RELEASE
Use 5/8 wrench
One turn counterclockwise to release
Do not over-tighten
37
CAUTION
HOT SURFACE

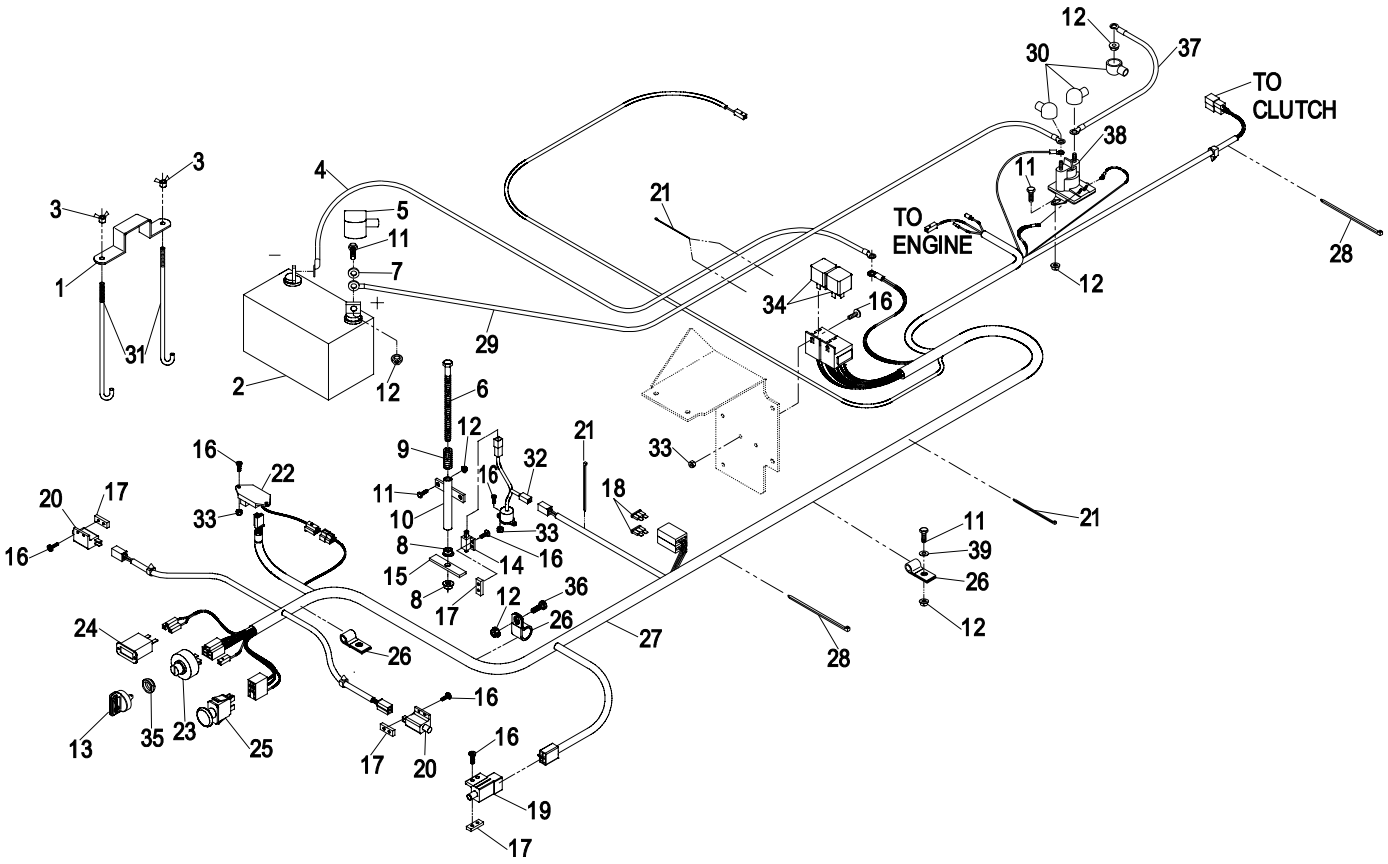
KOHLER 20, 23 & 25 HP AIR-COOLED ELECTRICAL GROUP



Ref. No.	Part No.	Description	Qty. Req'd.	Ref. No.	Part No.	Description	Qty. Req'd.
1	1-633652	Hold down-battery	1	19	1-633111	Switch-brake N.O/N.C	1
2	103-0293	Battery-12V	1	20	1-513051	Switch-drive lever N.O.	2
3	1-543792	Wingnut, nyloc	2	21	1-303287	Plastic tie (small)	5
4	1-633307	Cable-battery (-) 40”	1	22	100-6186	Module-seat delay	1
5	1-543391	Insulator-battery	1	23	103-0206	Switch-ignition w/ keys	1
6	1-800282	Screw, 5/16-18x7	1	24	1-513374	Meter-engine hours	1
7	3256-2	Washer, 1/4 flat	2	25	1-633673	Switch	1
8	32128-20	Nut, 5/16-18 whizlock	2	26	1-633396	Clip-Loom .69	3
9	1-523415	Spring-seat switch	1	27◊	103-0294	Harness-wiring	1
10	1-522424	Spring mount wldmt	1	28	1-303335	Plastic tie (large)	2
11	321-4	Screw, 1/4-20x3/4	5	29	1-523281	Cable-battery (+) 30”.	1
12	32128-33	Nut, 1/4-20 whizlock	6	30	1-543393	Insulator, solenoid (+)	1
13	103-2106	Key, Exmark logo	1	31	1-633651	Bolt, battery hold down	2
	1-603511	Key, ignition	1	32	1-633782	Switch, tilt	1
14	1-513152	Switch- seat N.C.	1	33	3296-2	Nut, #10-24 Hex Nyloc	6
15	1-513180	Actuator, seat switch	1	34	1-643275	Relay, 12V	2
16	3290-500	Screw, #10-24x5/8	14	35	103-0498	Nut, Ignition	1
17	1-633181	Plate, tapped	4	36	321-2	Screw, 1/4-20 x 1/2	1
18	1-816001	Fuse-20 amp	2	37	3256-22	Washer, ¼ SAE	1

◊ Use dielectric grease on all wiring harness connectors.

KAWASAKI 25 HP AIR-COOLED ELECTRICAL GROUP

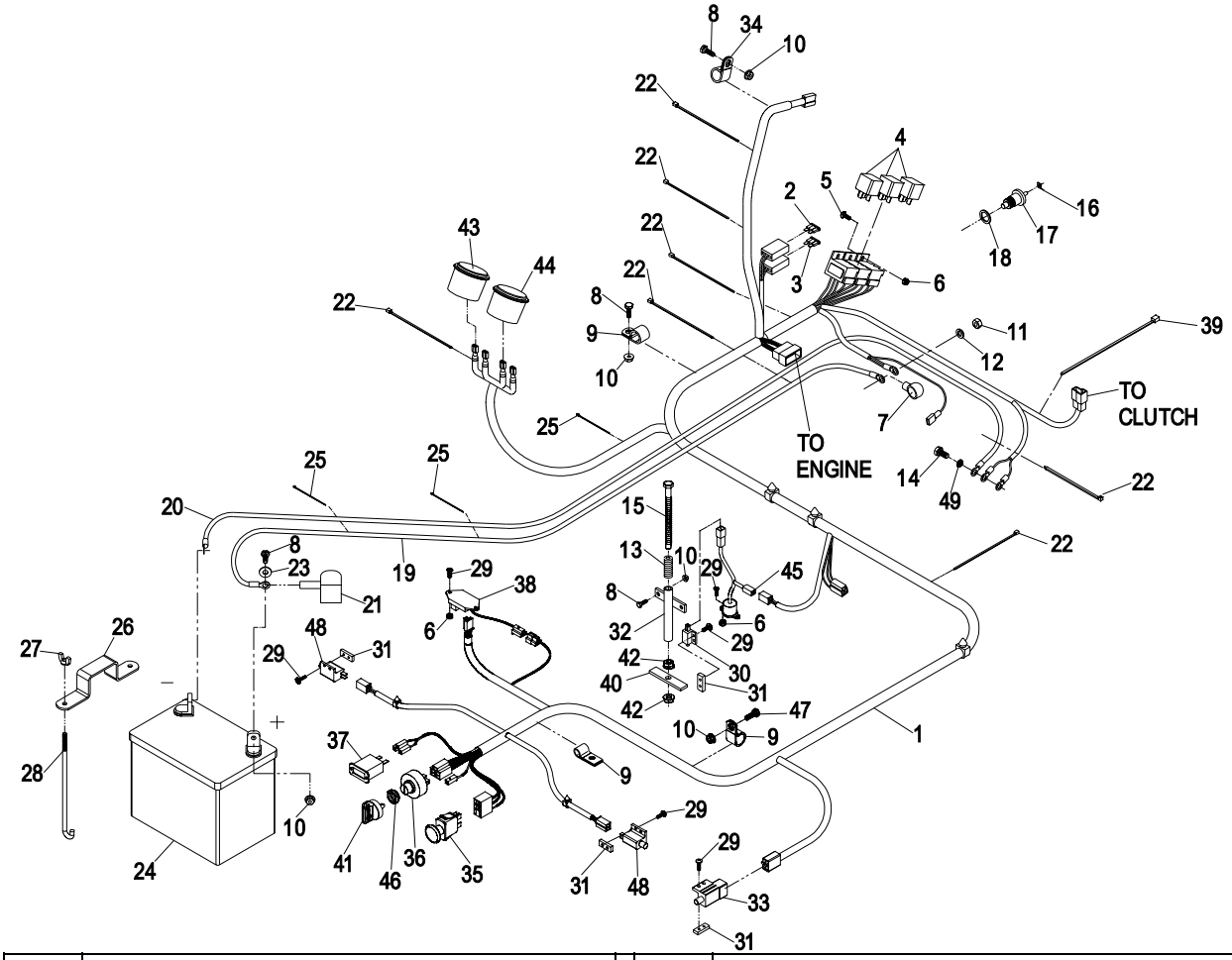


Ref. No.	Part No.	Description	Qty. Req'd.	Ref. No.	Part No.	Description	Qty. Req'd.
1	1-633652	Hold down-battery	1	20	1-513051	Switch-drive lever N.O.	2
2	103-0293	Battery-12V	1	21	1-303287	Plastic tie (small)	5
3	1-543792	Wingnut, nyloc	2	22	100-6186	Module-seat delay	1
4	1-633307	Cable-battery (-) 40”	1	23	103-0206	Switch-ignition w/ keys	1
5	1-543391	Insulator-battery	1	24	1-513374	Meter-engine hours	1
6	1-800282	Screw, 5/16-18x7	1	25	1-633673	Switch	1
7	3256-2	Washer, 1/4 flat	2	26	1-633396	Clip-Loom .69	3
8	32128-20	Nut, 5/16-18 whizlock	2	27◊	103-0732	Harness-wiring	1
9	1-523415	Spring-seat switch	1	28	1-303335	Plastic tie (large)	2
10	1-522424	Spring mount wldmt	1	29	1-523281	Cable-battery (+) 30”	1
11	321-4	Screw, 1/4-20x3/4	7	30	1-543393	Insulator, solenoid (+)	3
12	32128-33	Nut, 1/4-20 whizlock	9	31	1-633651	Bolt, battery hold down	2
13	103-2106	Key, Exmark logo	1	32	1-633782	Switch, tilt	1
	1-603511	Key, ignition	1	33	3296-2	Nut, #10-24 Hex Nyloc	6
14	1-513152	Switch- seat N.C.	1	34	1-643275	Relay, 12V	2
15	1-513180	Actuator, seat switch	1	35	103-0498	Nut, Ignition	1
16	3290-500	Screw, #10-24x5/8	14	36	321-2	Screw,1/4-20 x 1/2	1
17	1-633181	Plate, tapped	4	37	1-633306	Wire, starter solenoid	1
18	1-816001	Fuse-20 amp	2	38	1-513075	Switch, 12V solenoid	1
19	1-633111	Switch-brake N.O./N.C.	1	39	3256-22	Washer, ¼ SAE	1

◊ Use dielectric grease on all wiring harness connectors.

KAWASAKI 27 HP LIQUID-COOLED ELECTRICAL GROUP

FOR UNITS WITHOUT OVERHEAT BUZZER ONLY

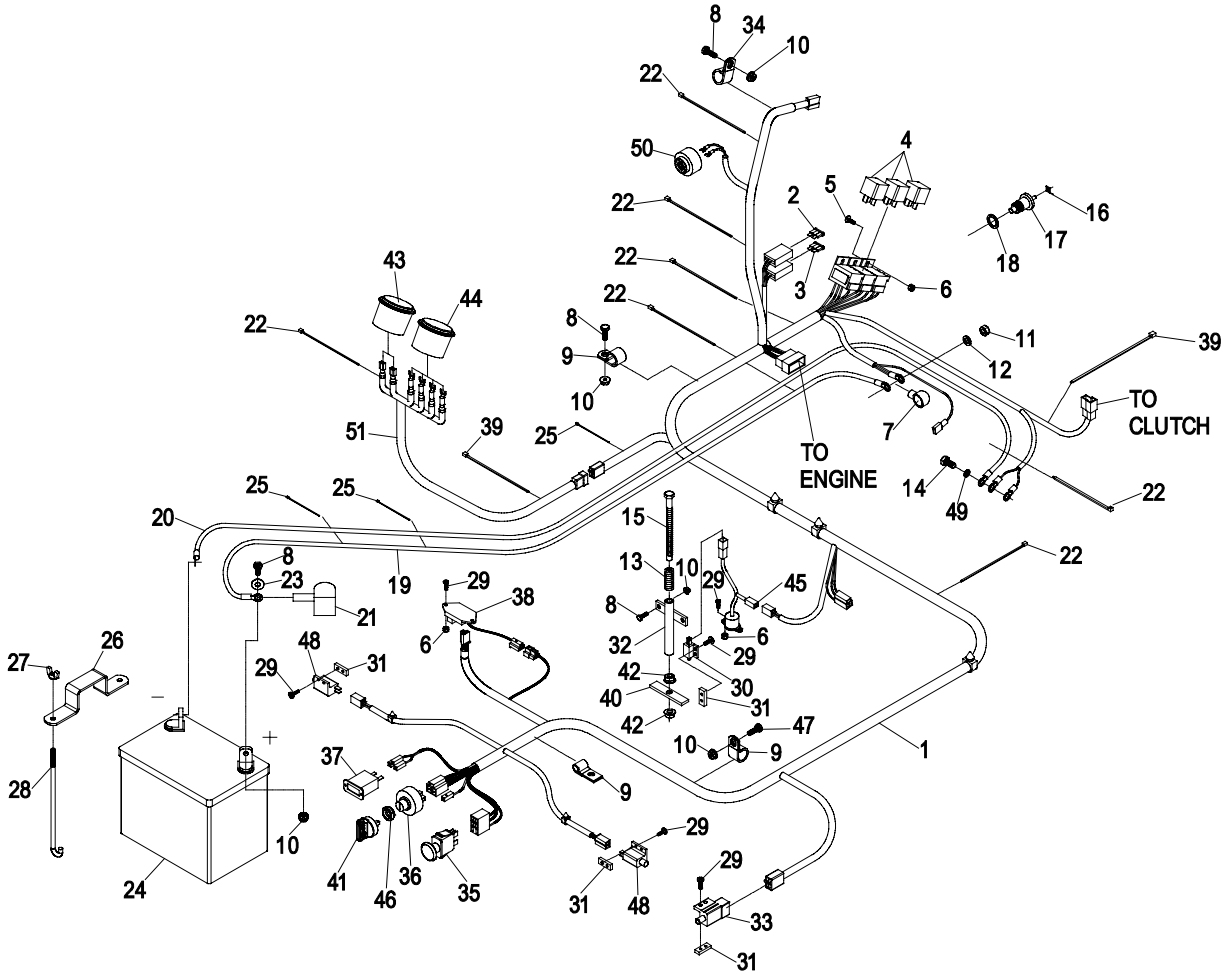


Ref. No.	Part No.	Description	Qty. Req'd.	Ref. No.	Part No.	Description	Qty. Req'd.
1◊	103-0883	Harness-wiring	1	26	1-633652	Holdown-battery	1
2	1-816001	Fuse-20 amp	1	27	1-543792	Wingnut, nyloc	2
3	1-816003	Fuse-30 amp	1	28	1-633651	Bolt, battery holddown	2
4	1-643275	Relay, 12V	3	29	3290-500	Screw, #10-24x5/8	12
5	1-803071	Screw, machine #10-24x½	2	30	1-513152	Switch- seat N.C.	1
6	3296-2	Nut, nyloc #10-24	6	31	1-633181	Plate- tapped	4
7	1-543393	Insulator, solenoid +	1	32	1-522424	Spring mount wldmt	1
8	321-4	Screw, 1/4-20x3/4	6	33	1-633111	Switch-brake N.O./N.C.	1
9	1-633396	Clip- loom .69	3	34	1-513762	Clip-loom .50	1
10	32128-33	Nut, 1/4-20 whizlock	7	35	1-633673	Switch	1
11	33014-00	Nut, hex M8-1.25	1	36	103-0206	Switch-ignition w/ keys	1
12	3256-23	Washer, 5/16 SAE	1	37	1-513374	Meter- engine hours	1
13	1-523415	Spring- seat switch	1	38	100-6186	Module, seat delay	1
14	33114-016	Screw, hex M8-1.25x16	1	39	1-643115	Plastic tie (large)	1
15	1-800282	Screw, 5/16-18x7	1	40	1-513180	Actuator, seat switch	1
16	1-643145	Tab, #10stud .25 Spade 45°	1	41	103-2106	Key, Exmark logo	1
17	103-0283	Sender Unit, Temp	1		1-603511	Key, ignition	1
18	1-643153	Washer, Alum. Sender gskt	1	42	32128-20	Nut, 5/16-18 whizlock	2
19	1-523279	Cable- battery (+)	1	43	1-643037	Gauge, Voltmeter	1
20	1-633307	Cable-battery (-)	1	44	1-643021	Gauge, Temperature	1
21	1-543391	Insulator-battery	1	45	1-633782	Switch, tilt	1
22	1-303335	Plastic tie (medium)	7	46	103-0498	Nut, Ignition	1
23	3256-2	Washer, 1/4 flat	2	47	321-2	Screw, 1/4-20 x 1/2	1
24	103-0293	Battery-12V	1	48	1-513051	Switch, drive lever N.O.	2
25	1-303287	Plastic tie (small)	3	49	3256-23	Washer, 5/16 SAE	1

◊ Use dielectric grease on all wiring harness connectors

KAWASAKI 27 HP LIQUID-COOLED ELECTRICAL GROUP

FOR UNITS WITH OVERHEAT BUZZER ONLY

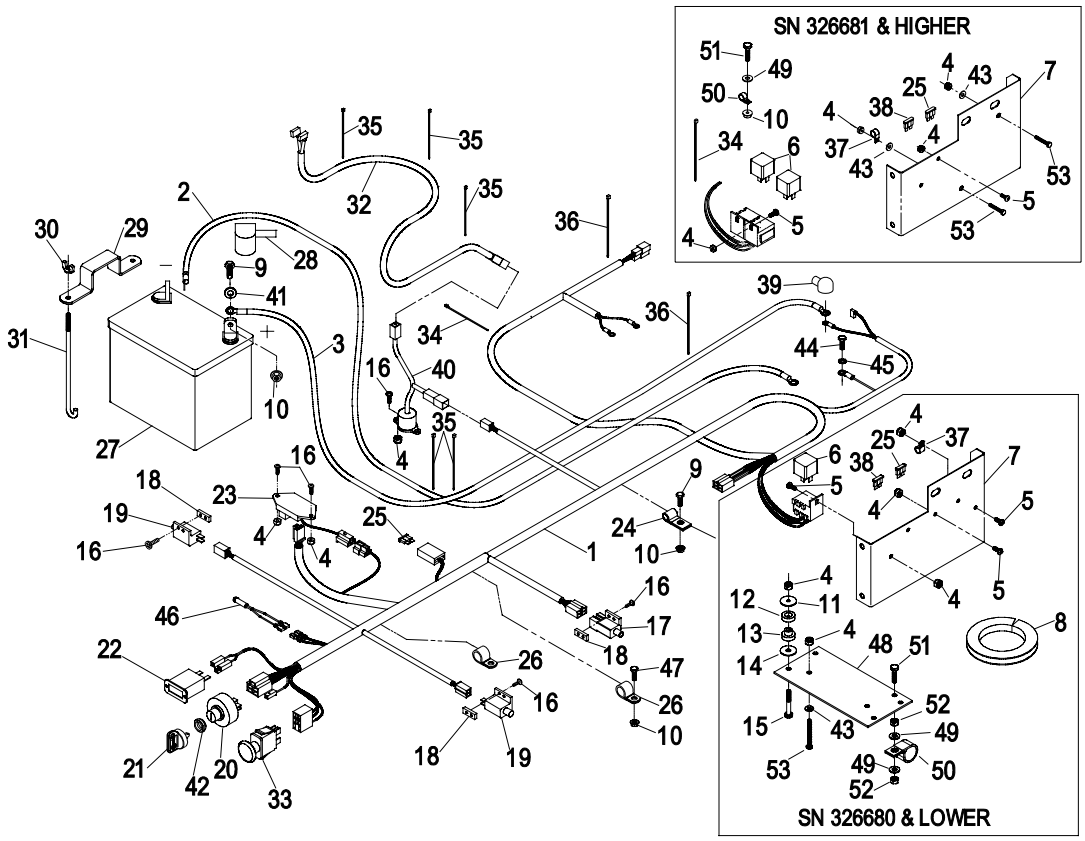


Ref. No.	Part No.	Description	Qty. Req'd.
1◊	103-2869	Harness-wiring	1
2	1-816001	Fuse-20 amp	1
3	1-816003	Fuse-30 amp	1
4	1-643275	Relay, 12V	3
5	1-803071	Screw, machine #10-24x½	2
6	3296-2	Nut, nyloc #10-24	6
7	1-543393	Insulator, solenoid +	1
8	321-4	Screw, 1/4-20x3/4	6
9	1-633396	Clip- loom .69	3
10	32128-33	Nut, 1/4-20 whizlock	7
11	33014-00	Nut, hex M8-1.25	1
12	3256-23	Washer, 5/16 SAE	1
13	1-523415	Spring- seat switch	1
14	33114-016	Screw, hex M8-1.25x16	1
15	1-800282	Screw, 5/16-18x7	1
16	1-643145	Tab, #10stud .25 Spade 45°	1
17	103-0283	Sender Unit, Temp	1
18	1-643153	Washer, Alum. Sender gskt	1
19	1-523279	Cable- battery (+)	1
20	1-633307	Cable-battery (-)	1
21	1-543391	Insulator-battery	1
22	1-303335	Plastic tie (medium)	7
23	3256-2	Washer, 1/4 flat	2
24	103-0293	Battery-12V	1
25	1-303287	Plastic tie (small)	3
26	1-633653	Holdown-battery	1

Ref. No.	Part No.	Description	Qty. Req'd.
27	1-543792	Wingnut, nyloc	2
28	1-633651	Bolt, battery holddown	2
29	3290-500	Screw, #10-24x5/8	12
30	1-513152	Switch- seat N.C.	1
31	1-633181	Plate- tapped	4
32	1-522424	Spring mount wldmt	1
33	1-633111	Switch-brake N.O./N.C.	1
34	1-513762	Clip-loom .50	1
35	1-633673	Switch	1
36	103-0206	Switch-ignition w/ keys	1
37	1-513374	Meter- engine hours	1
38	100-6186	Module, seat delay	1
39	1-643115	Plastic tie (large)	2
40	1-513180	Actuator, seat switch	1
41	103-2106	Key, Exmark logo	1
	1-603511	Key, ignition	1
42	32128-20	Nut, 5/16-18 whizlock	2
43	1-643037	Gauge, Voltmeter	1
44	103-2426	Gauge, Temperature	1
45	1-633782	Switch, tilt	1
46	103-0498	Nut, Ignition	1
47	321-2	Screw, 1/4-20 x 1/2	1
48	1-513051	Switch, drive lever N.O.	2
49	3256-23	Washer, 5/16 SAE	1
50	103-0205	Alarm, dual tone	1
51◊	103-2868	Harness, guage	1

◊ Use dielectric grease on all wiring harness connectors

KOHLER 26 HP EFI ELECTRICAL GROUP



Ref. No.	Part No.	Description	Qty. Req'd.
1◊	103-0263	Harness-wiring (units w/2 relays)	1
	103-2590	Harness-wiring (units w/3 relays)	1
2	1-633307	Cable-battery (-)	1
3	1-523279	Cable- battery (+)	1
4✳	3296-2	Nut, nyloc #10-24	10
•	3296-2	Nut, nyloc #10-24	16
5✳	1-803071	Screw, machine #10-24x½	4
•	1-803071	Screw, machine #10-24x½	6
6	1-643275	Relay, 12V (units w/2 relays)	1
	1-643275	Relay, 12V (units w/3 relays)	2
7✳	103-2549-03	Panel, fuses	1
•	1-643257	Panel, fuses/relay	1
8•	1-643246	Trim-lok, 3/16" x 9.75	1
9	321-4	Screw, 1/4-20x3/4	5
10	32128-33	Nut, 1/4-20 whizlock	6
11•	1-805518	Washer, fender #10 x 1.0	4
12•	1-643325	Ring Mount, Vibration	4
13•	1-643326	Bushing Mount, Vibration	4
14•	1-805519	Washer, Fender 1/4 x 1.0	4
15	1-803074	Screw, Shoulder .25 x .75	4
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
23	100-6186	Module, seat delay	1
24	1-513762	Clip-loom .50	2

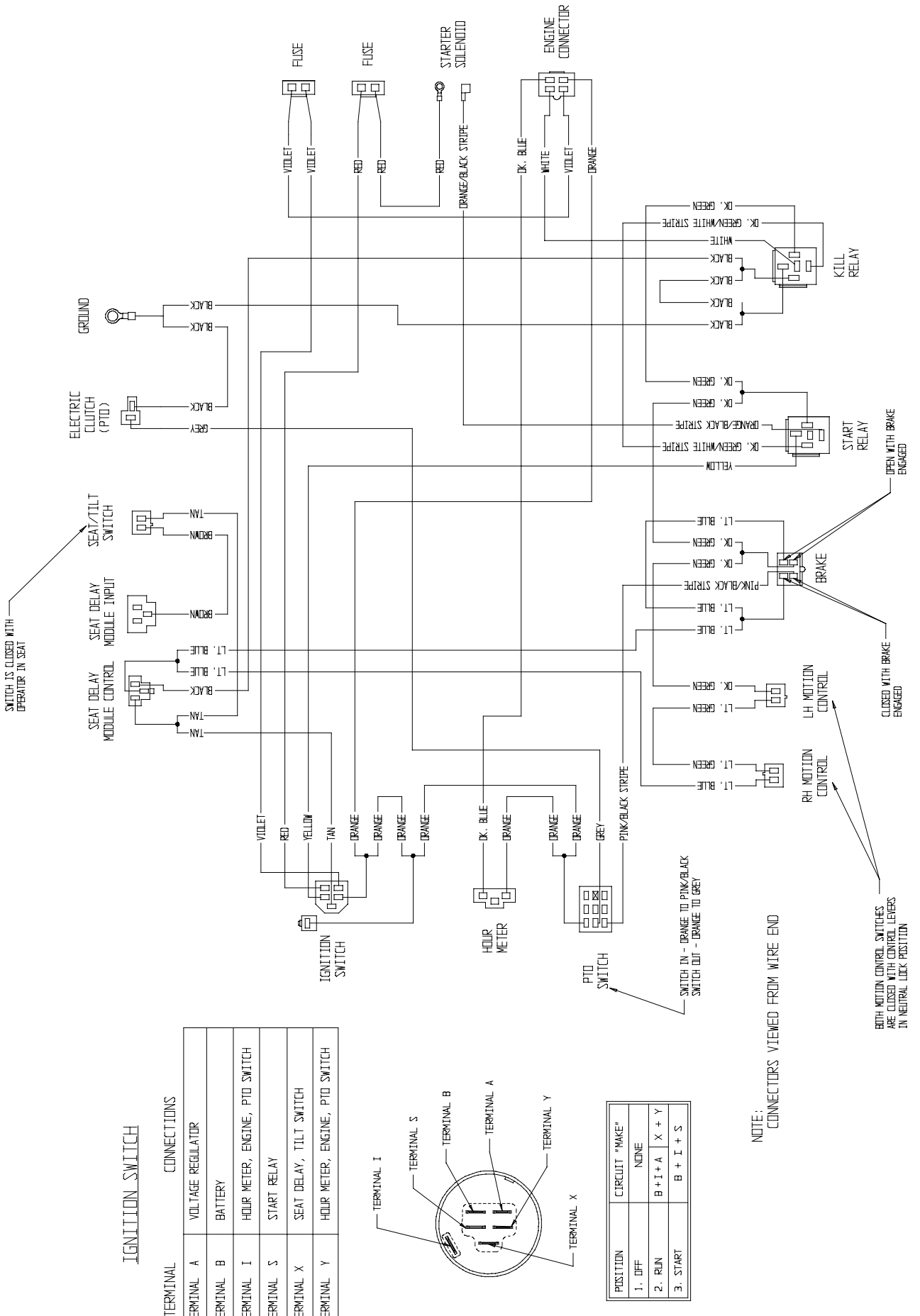
Ref. No.	Part No.	Description	Qty. Req'd.
25	1-816001	Fuse-20 amp	2
26	1-633396	Clip- loom .69	2
27	103-0293	Battery-12V	1
28	1-543391	Insulator-battery	1
29	1-633652	Holdown-battery	1
30	1-543792	Wingnut, nyloc	2
31	1-633651	Bolt, battery holddown	2
32	103-1227	Wiring Harness, seat	1
33	1-633673	Switch	1
34	1-303287	Plastic tie (small) (units w/2 relays)	1
	1-303287	Plastic tie (small) (units w/3 relays)	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
46	1-643267	Indicator, Red LED	1
47	321-2	Screw, 1/4-20 1/2	1
48•	103-0024-03	Plate, ECU Mount	1
49	3256-22	Washer, 1/4 SAE flat	2
50	1-643312	Clip, loom 1.0	1
51	321-6	Screw, 1/4-20 x 1	1
52	3296-47	Nut, nyloc 1/4-20	2
53	32105-20	Screw, Mach #10-24 x 2	2

◊ Use dielectric grease on all wiring harness connectors.

• SN 326680 & Lower

✳ SN 326681 & Higher

KOHLER 20, 23, & 25 HP AIR-COOLED ELECTRICAL DIAGRAM

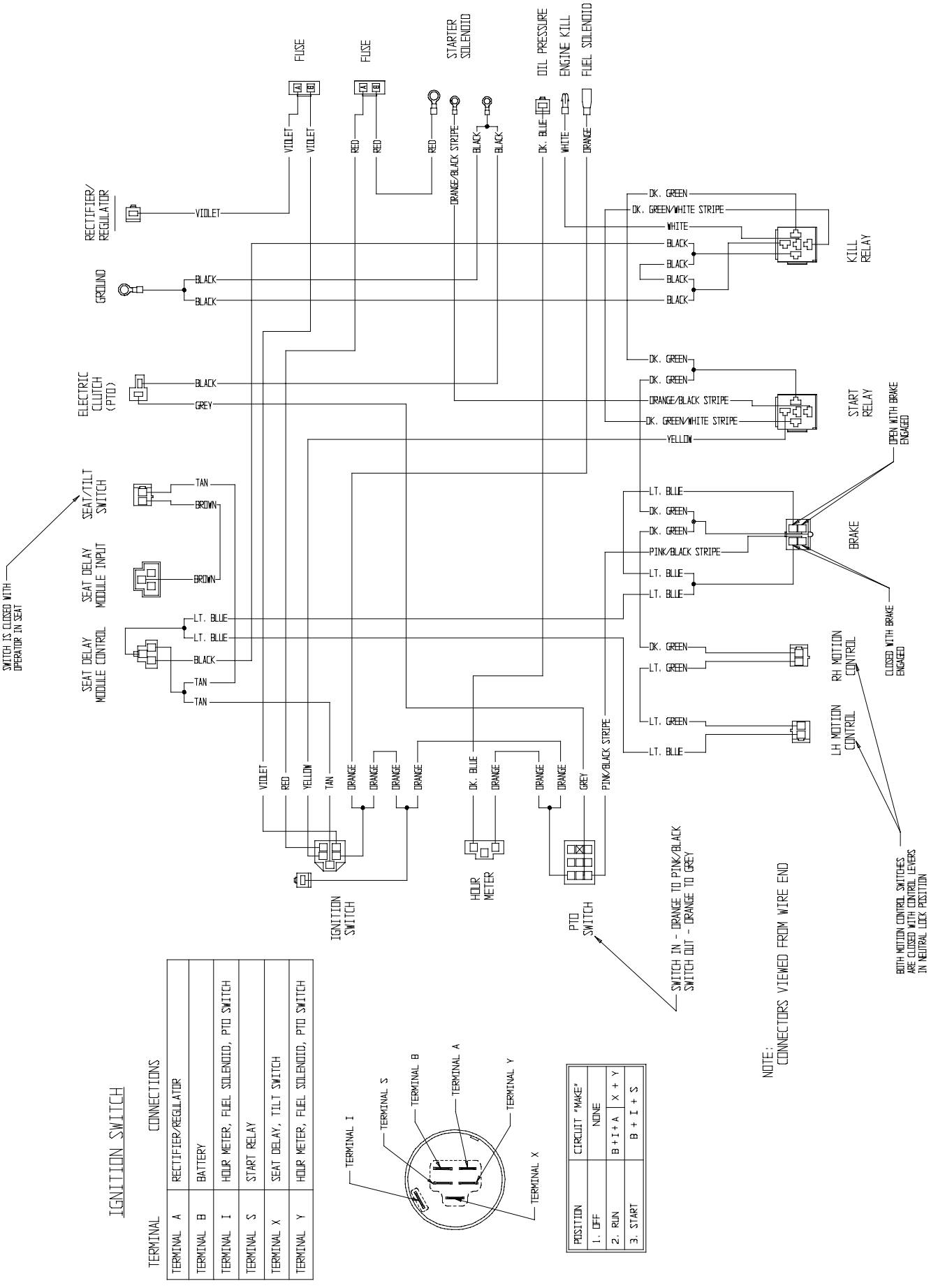


IGNITION SWITCH

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

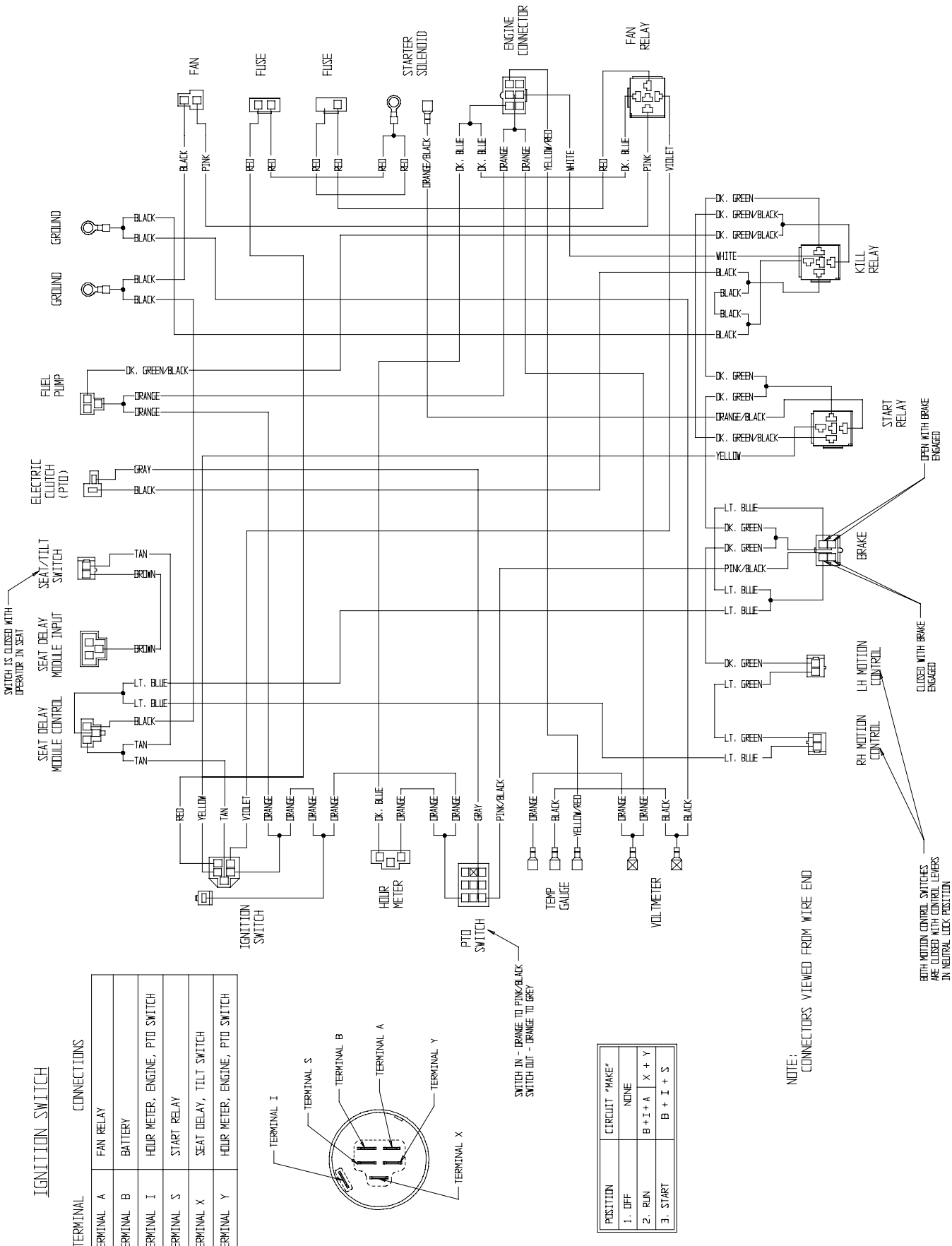
POSITION	CIRCUIT "MAKE"	
1. OFF	NONE	
2. RUN	B + I + A	X + Y
3. START	B + I + S	

KAWASAKI 25 HP AIR-COOLED ELECTRICAL DIAGRAM



TERMINAL	CONNECTIONS
TERMINAL A	RECTIFIER/REGULATOR
TERMINAL B	BATTERY
TERMINAL I	HOUR METER, FUEL SOLENOID, PTO SWITCH
TERMINAL S	START RELAY
TERMINAL X	SEAT DELAY, TILT SWITCH
TERMINAL Y	HOUR METER, FUEL SOLENOID, PTO SWITCH

KAWASAKI 27 HP LIQUID-COOLED ELECTRICAL DIAGRAM
FOR UNITS WITHOUT OVERHEAT BUZZER ONLY

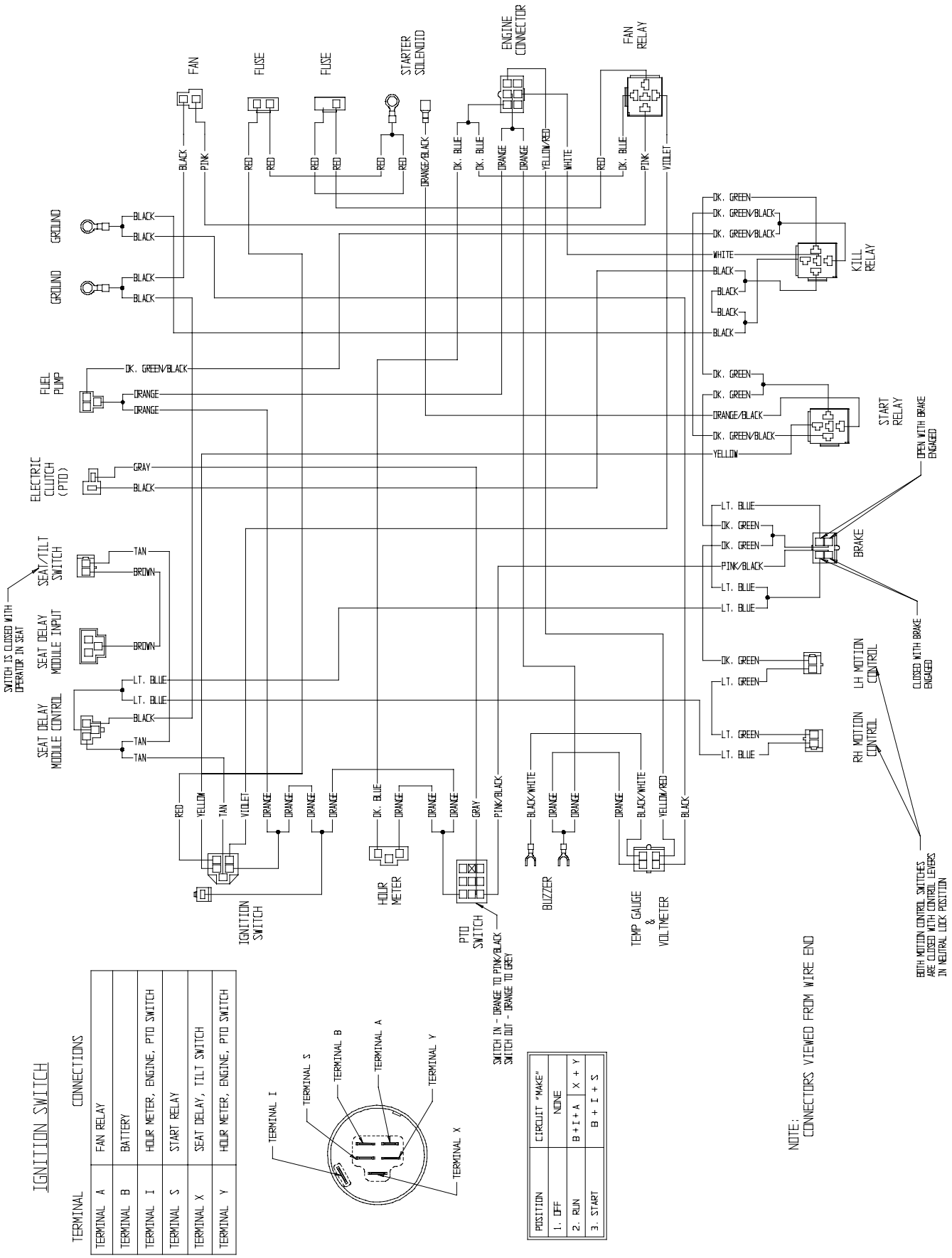


IGNITION SWITCH

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	

KAWASAKI 27 HP LIQUID-COOLED ELECTRICAL DIAGRAM
FOR UNITS WITH OVERHEAT BUZZER ONLY

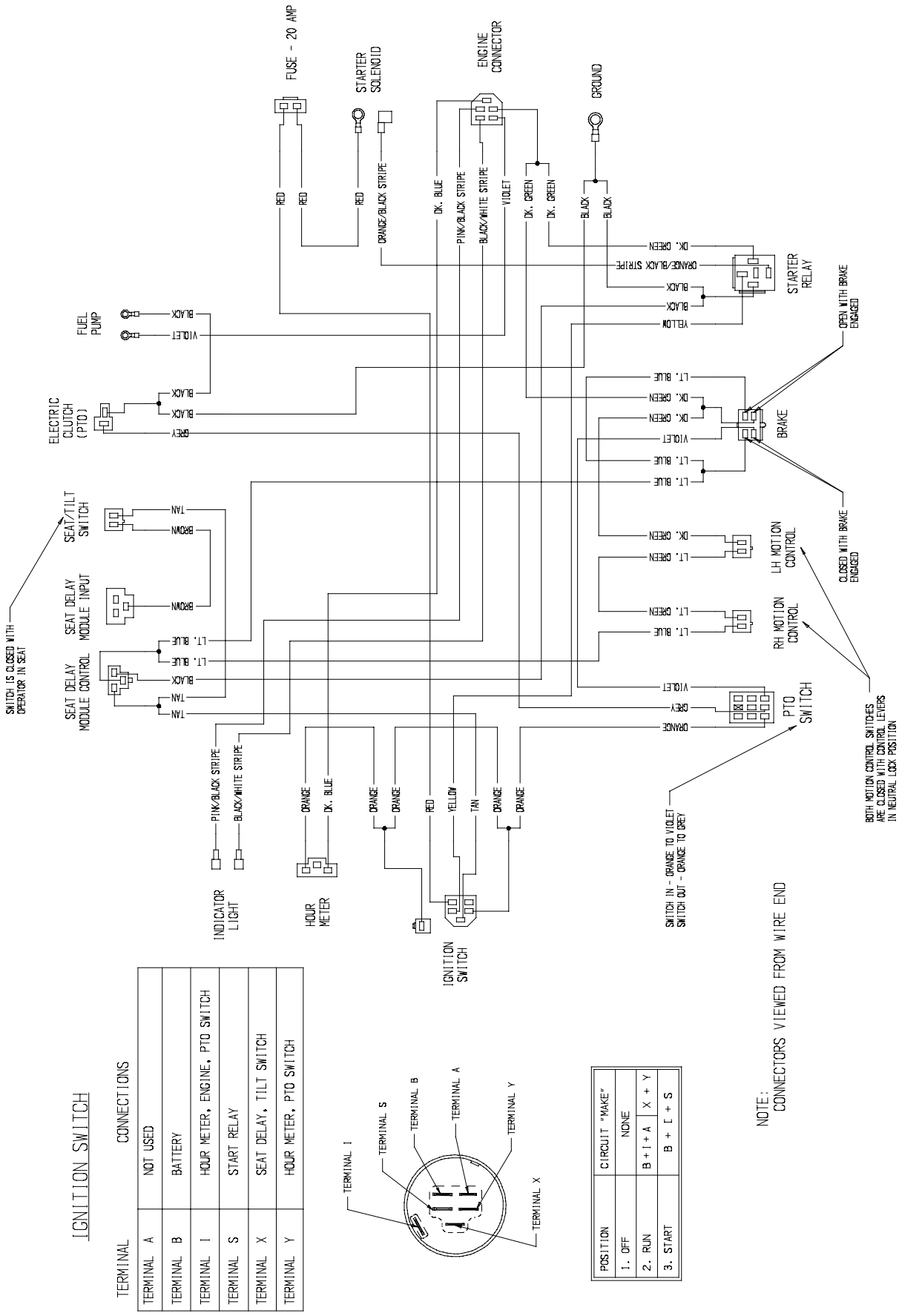


IGNITION SWITCH

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
FOR UNITS WITH 2 RELAYS ONLY

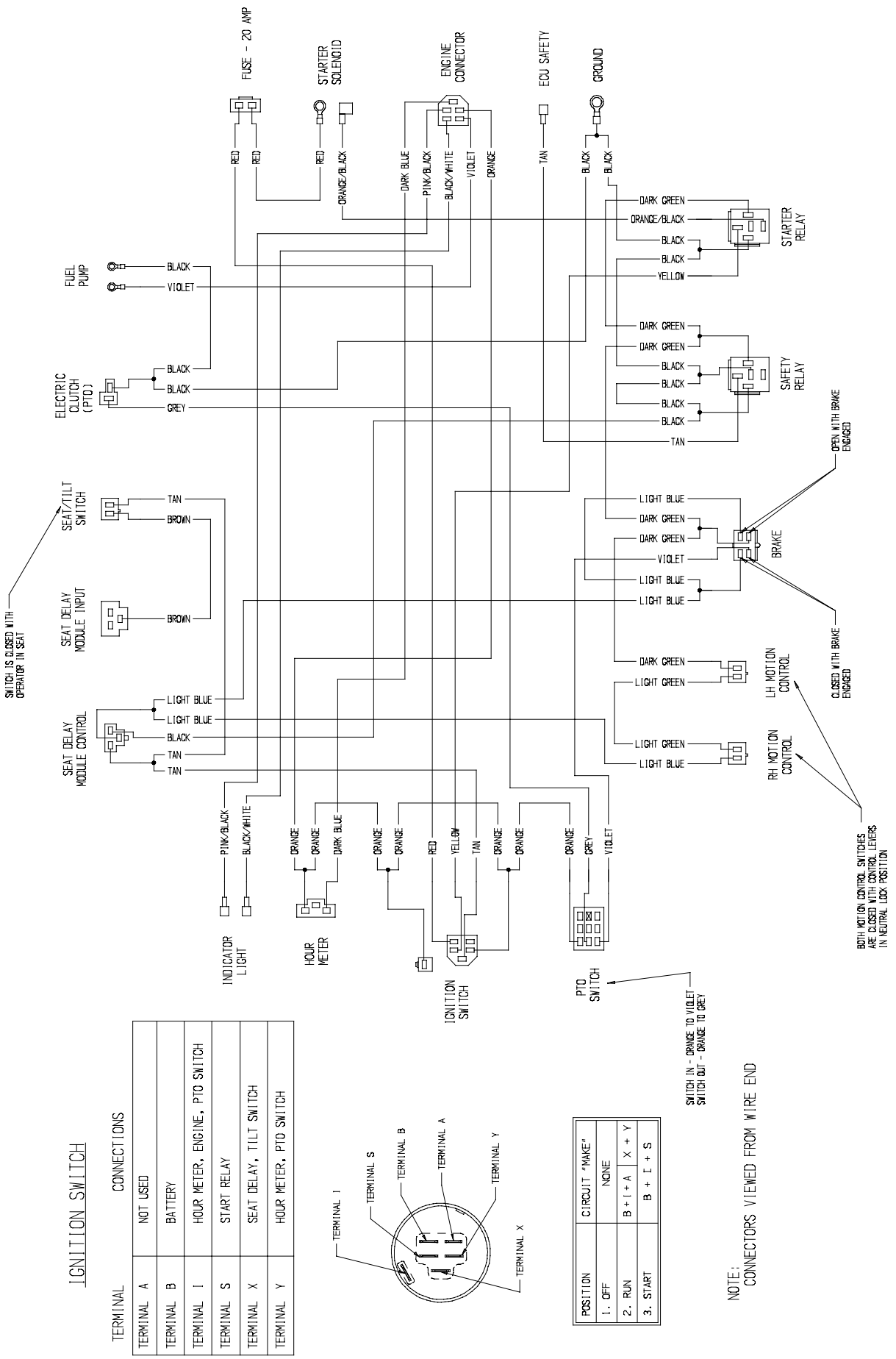


IGNITION SWITCH

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 26 HP EFI ELECTRICAL DIAGRAM
FOR UNITS WITH 3 RELAYS ONLY



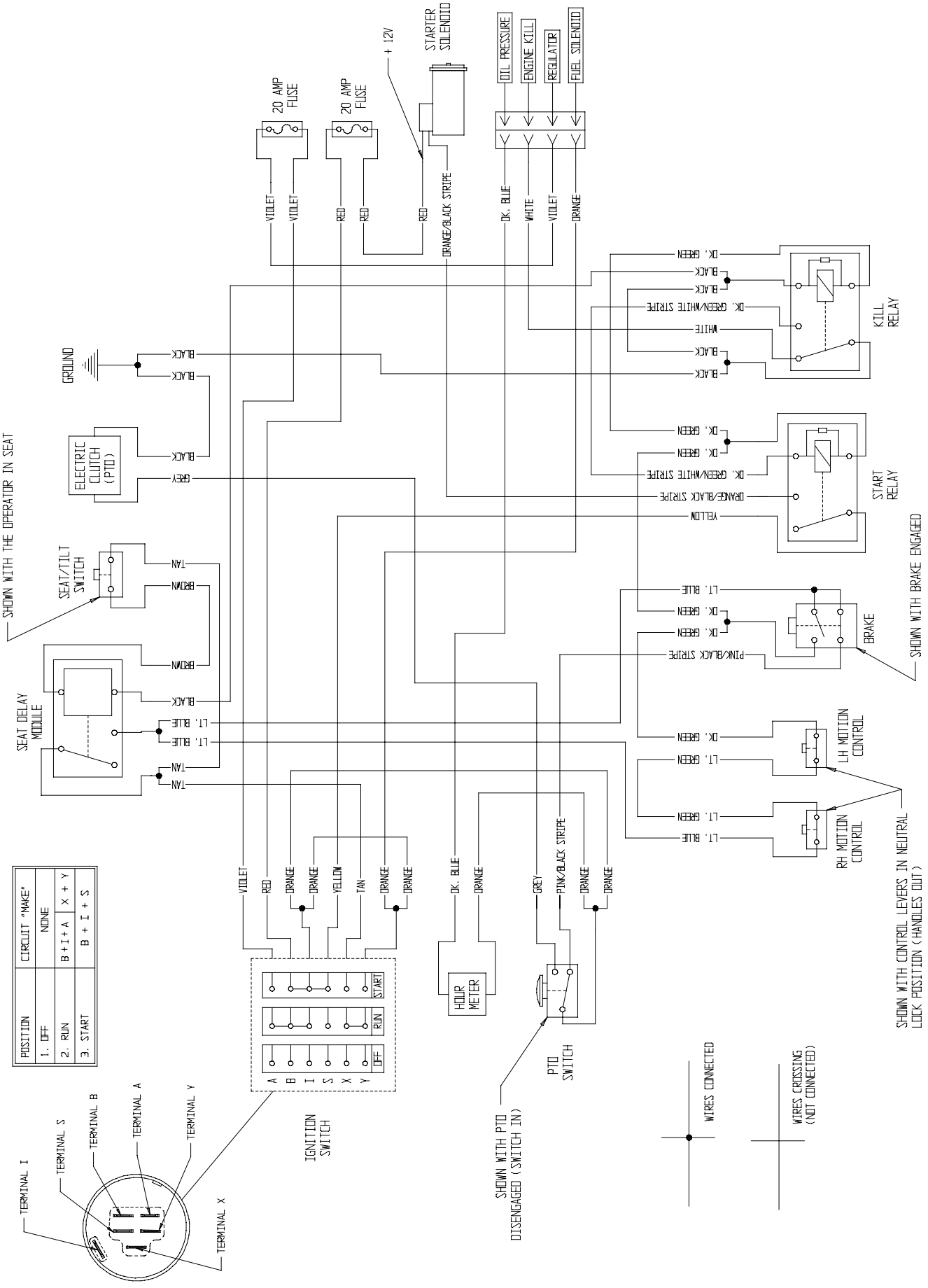
IGNITION SWITCH

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

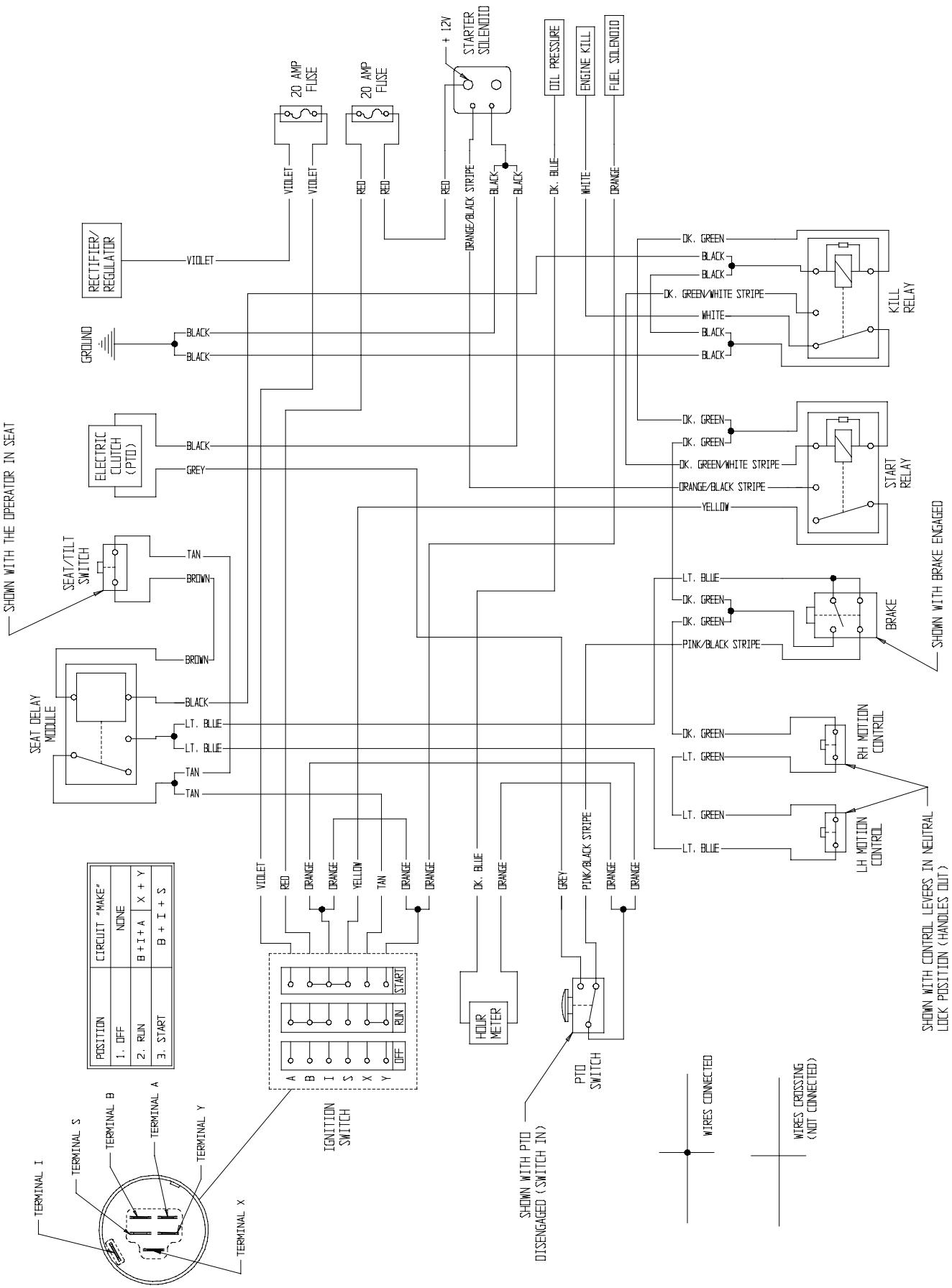
POSITION	CIRCUIT "MAKE"	
1. OFF	NONE	
2. RUN	B + I + A	X + Y
3. START	B + I + S	

NOTE:
CONNECTORS VIEWED FROM WIRE END

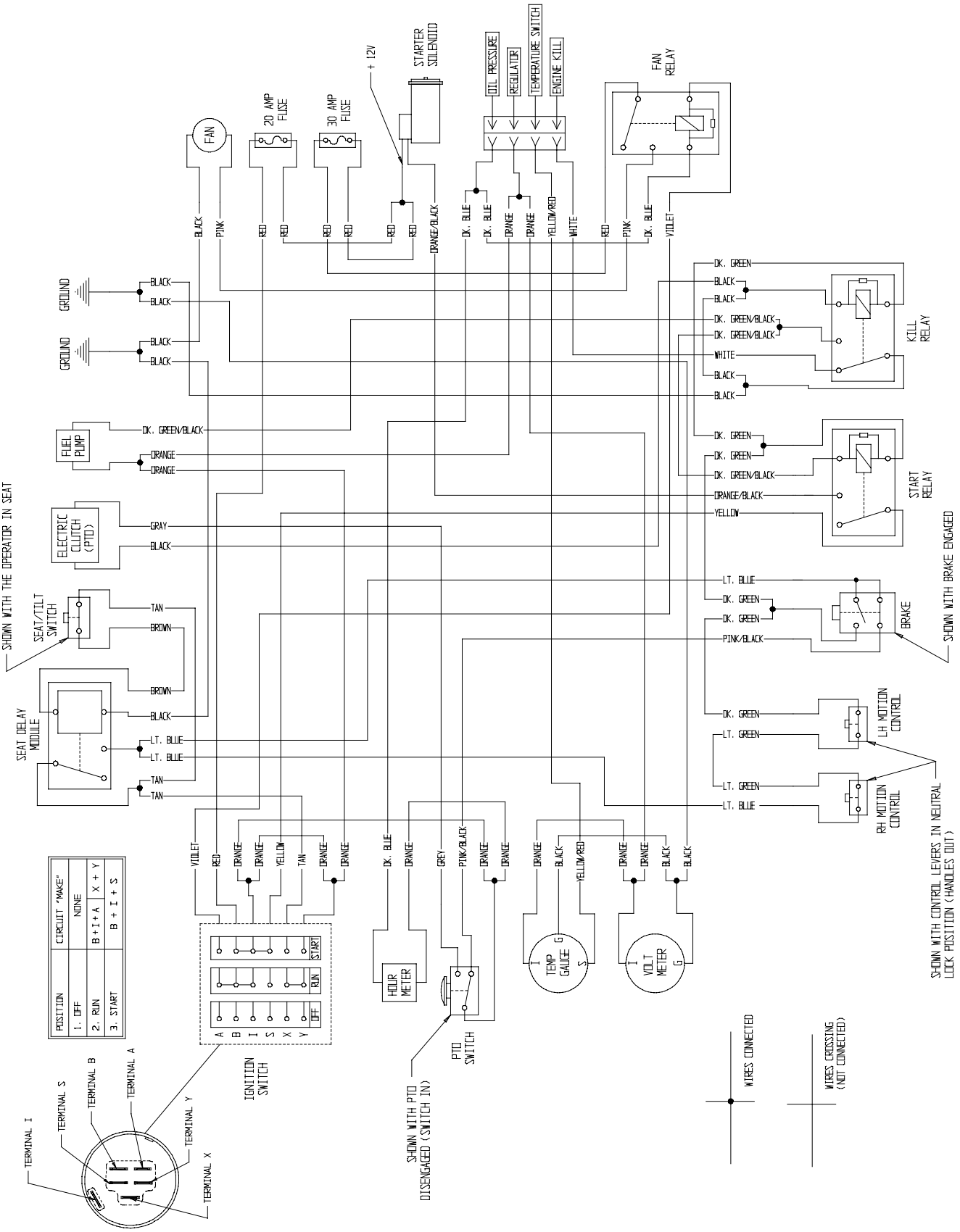
KOHLER 20, 23, & 25 HP AIR-COOLED ELECTRICAL LOGIC SCHEMATIC



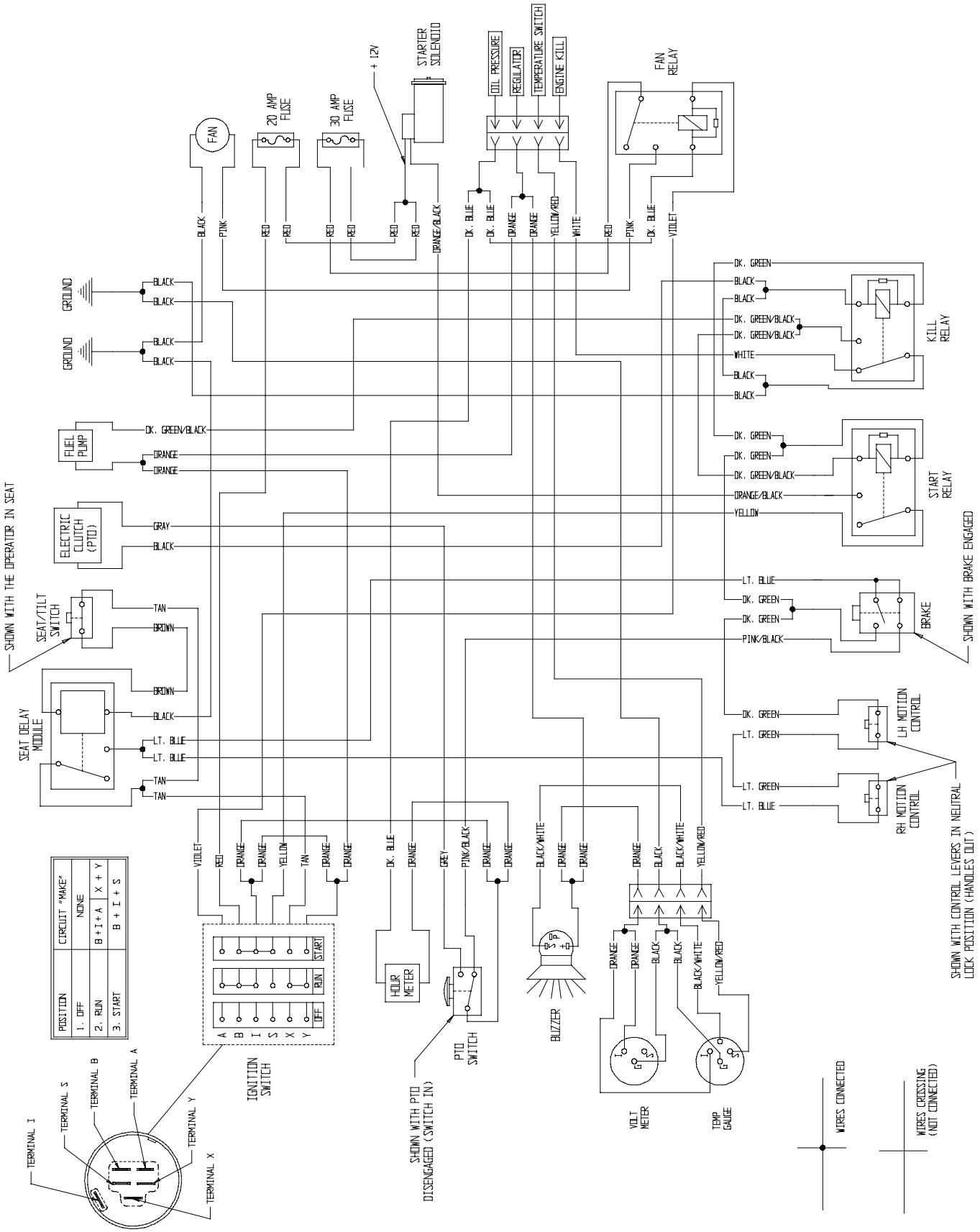
KAWASAKI 25 HP AIR-COOLED ELECTRICAL LOGIC SCHEMATIC



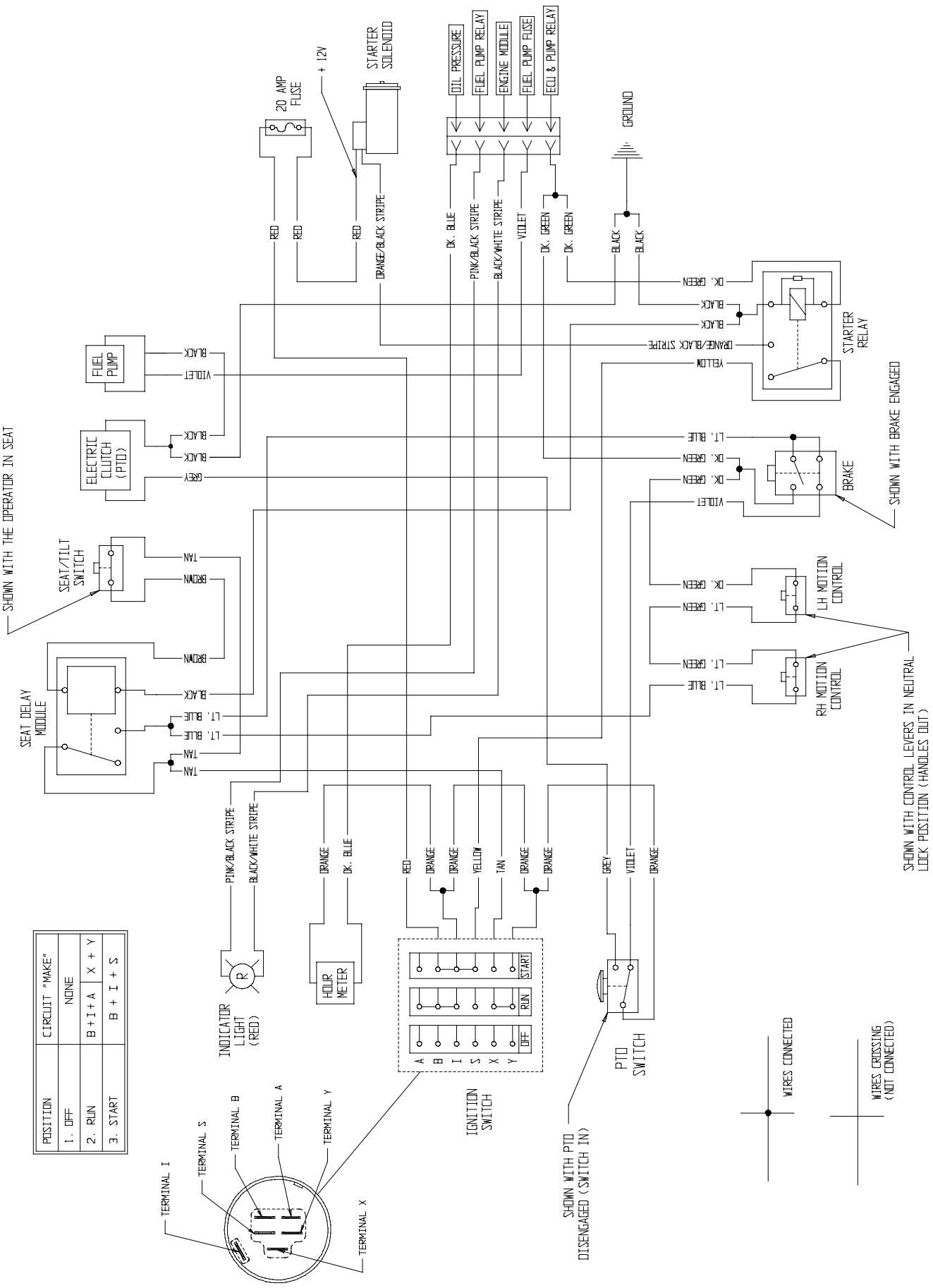
KAWASAKI 27 HP LIQUID-COOLED ELECTRICAL LOGIC SCHEMATIC
FOR UNITS WITHOUT OVERHEAT BUZZER ONLY



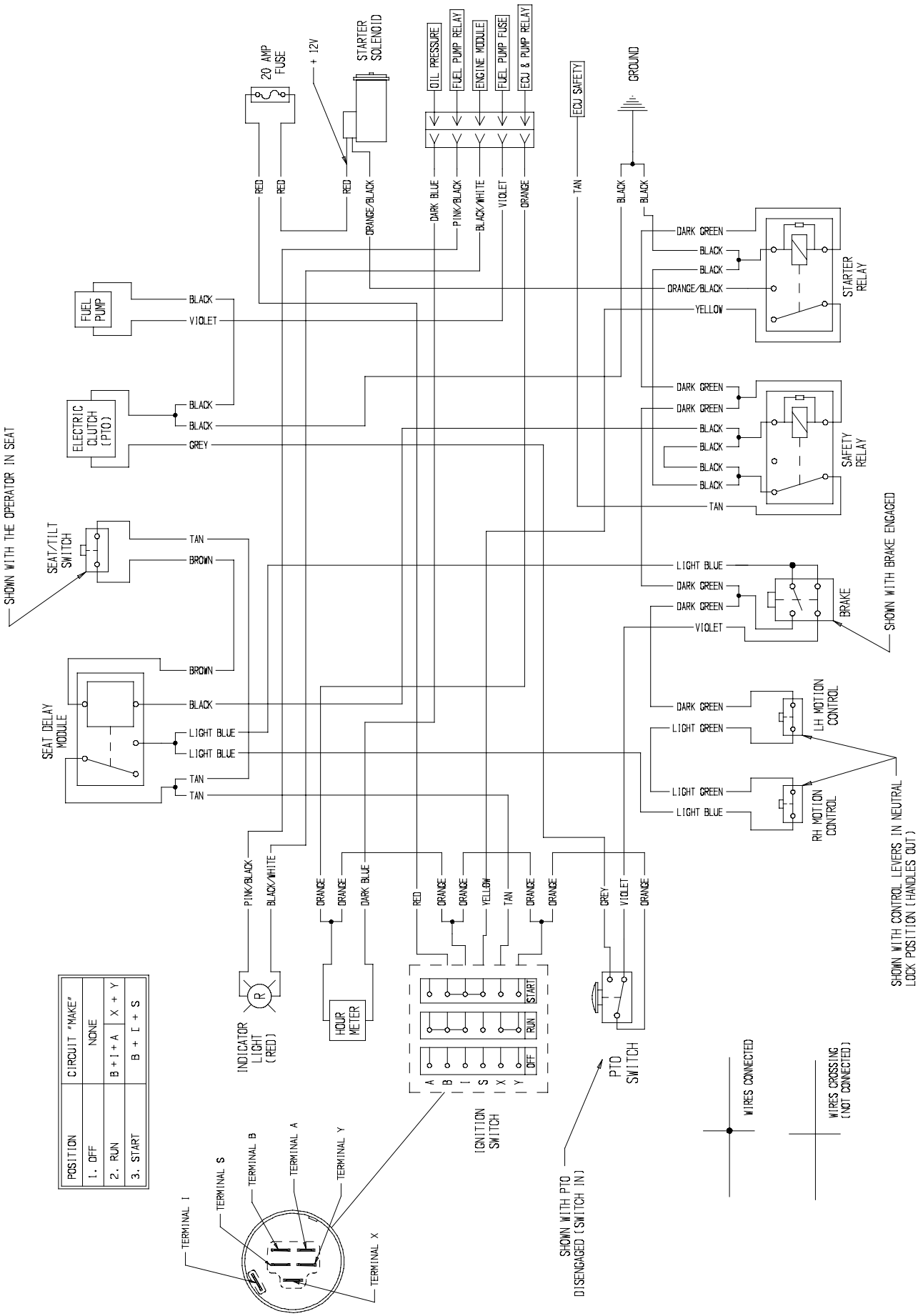
KAWASAKI 27 HP LIQUID-COOLED ELECTRICAL LOGIC SCHEMATIC
FOR UNITS WITH OVERHEAT BUZZER ONLY



KOHLER 26 HP EFI ELECTRICAL LOGIC SCHEMATIC
FOR UNITS WITH 2 RELAYS ONLY



KOHLER 26 HP EFI ELECTRICAL LOGIC SCHEMATIC
FOR UNITS WITH 3 RELAYS ONLY



SERVICE RECORD

Date	Description of Work Done	Service Done By

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