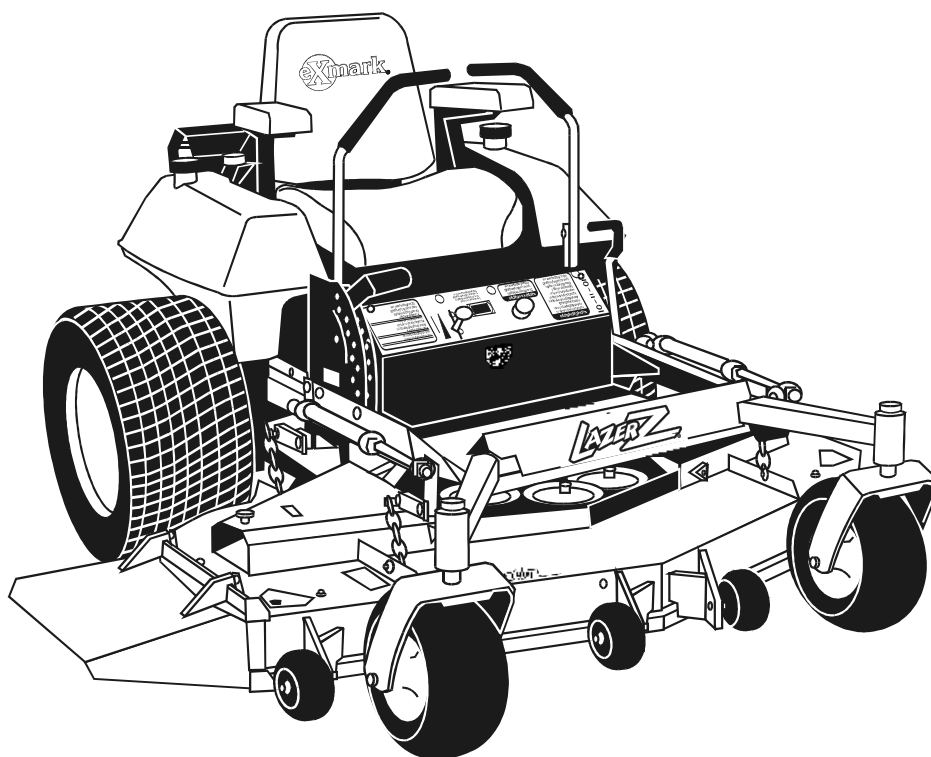


For Serial Nos.
370,000 & Higher



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 _____

EXMARK PARTS PLUS® PROGRAM

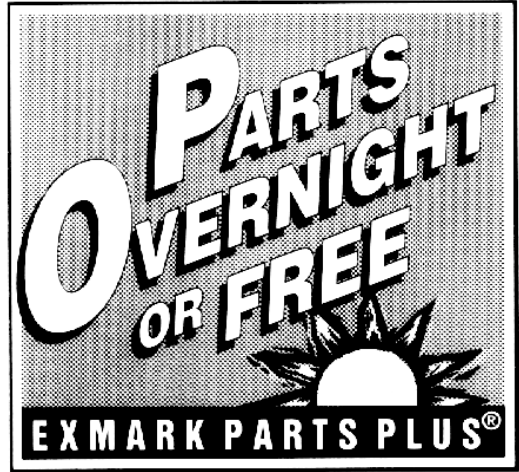
EFFECTIVE DATE: September 1, 1995

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.



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

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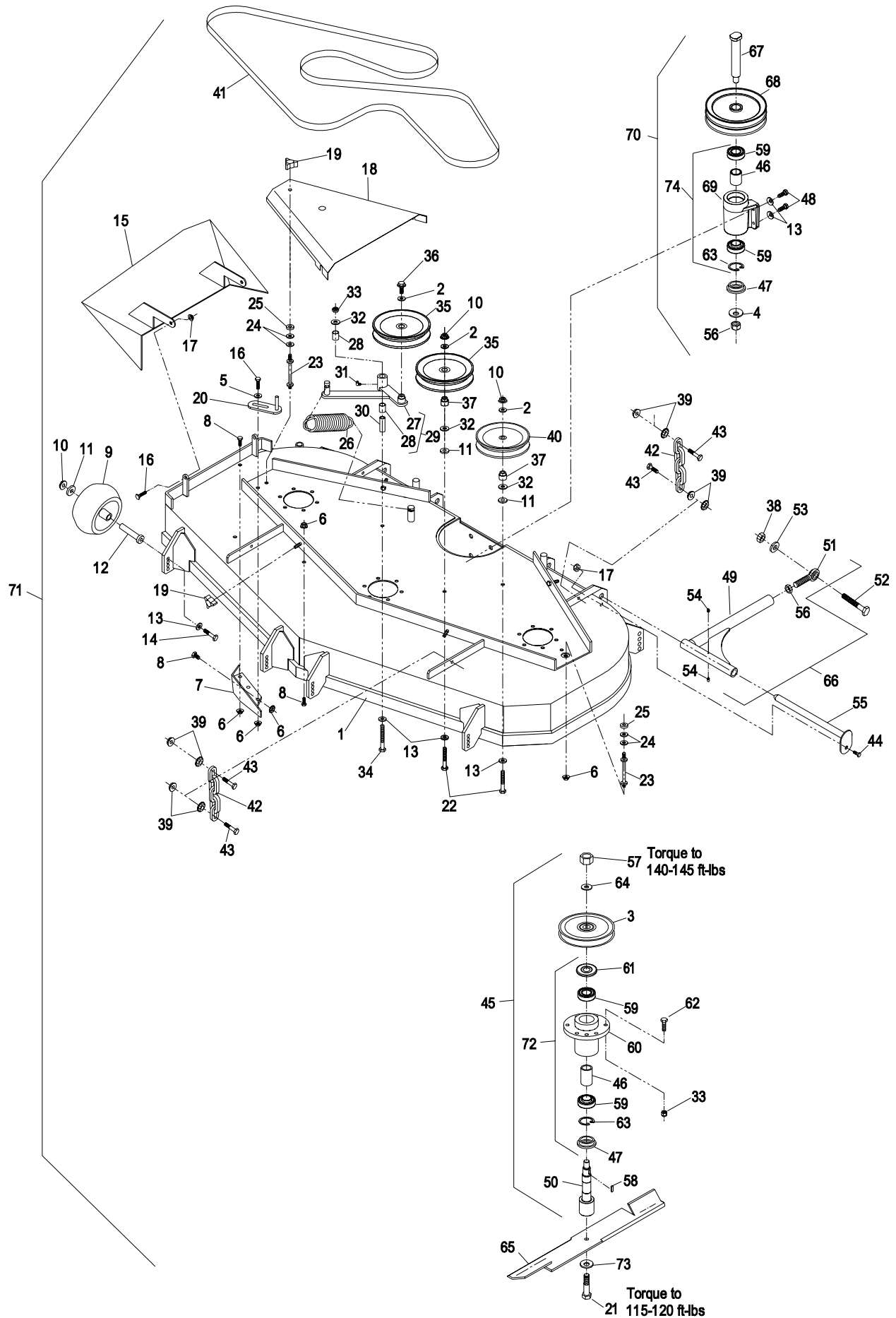
52" DECK GROUP

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



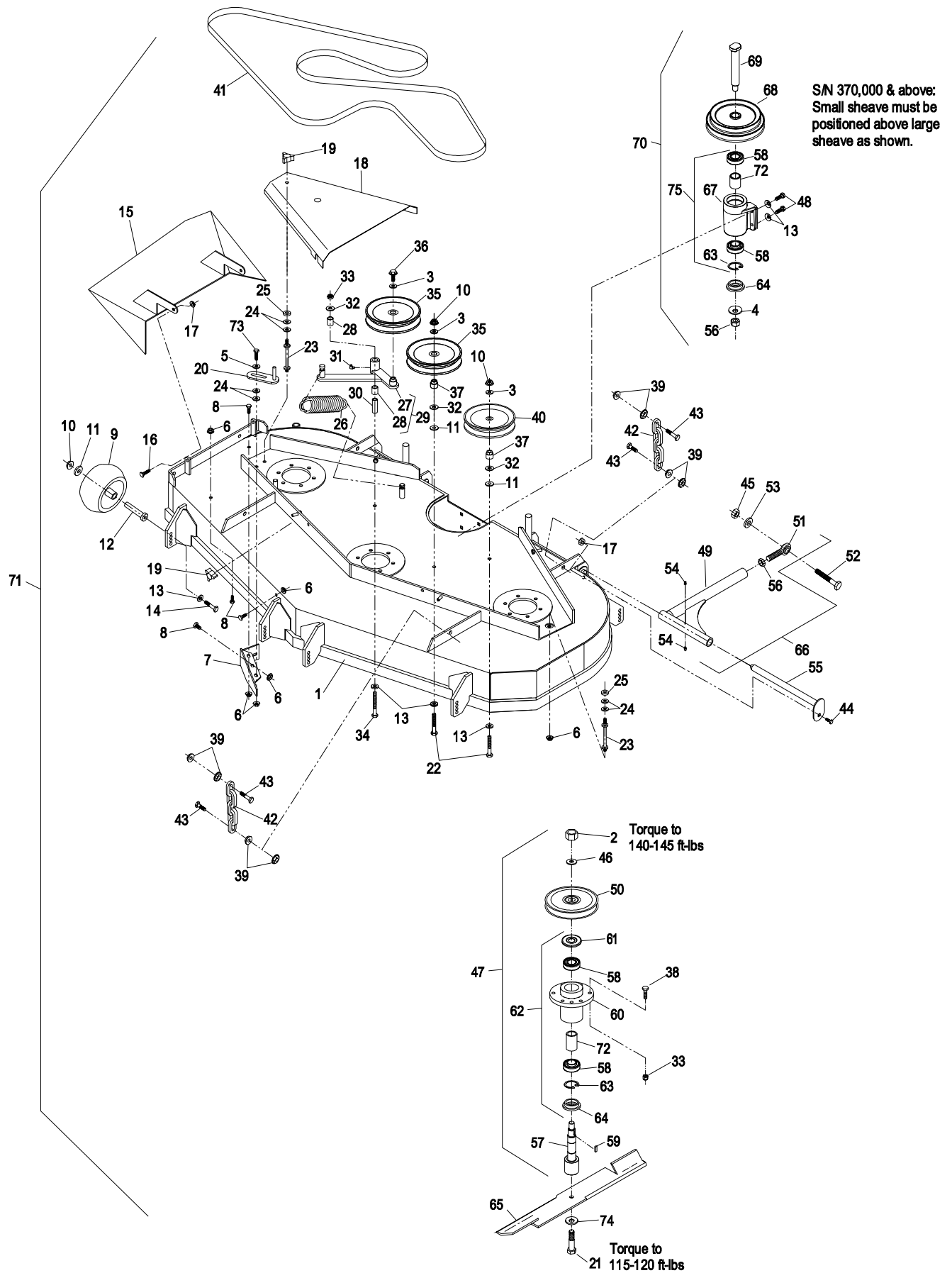
60" DECK GROUP

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

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



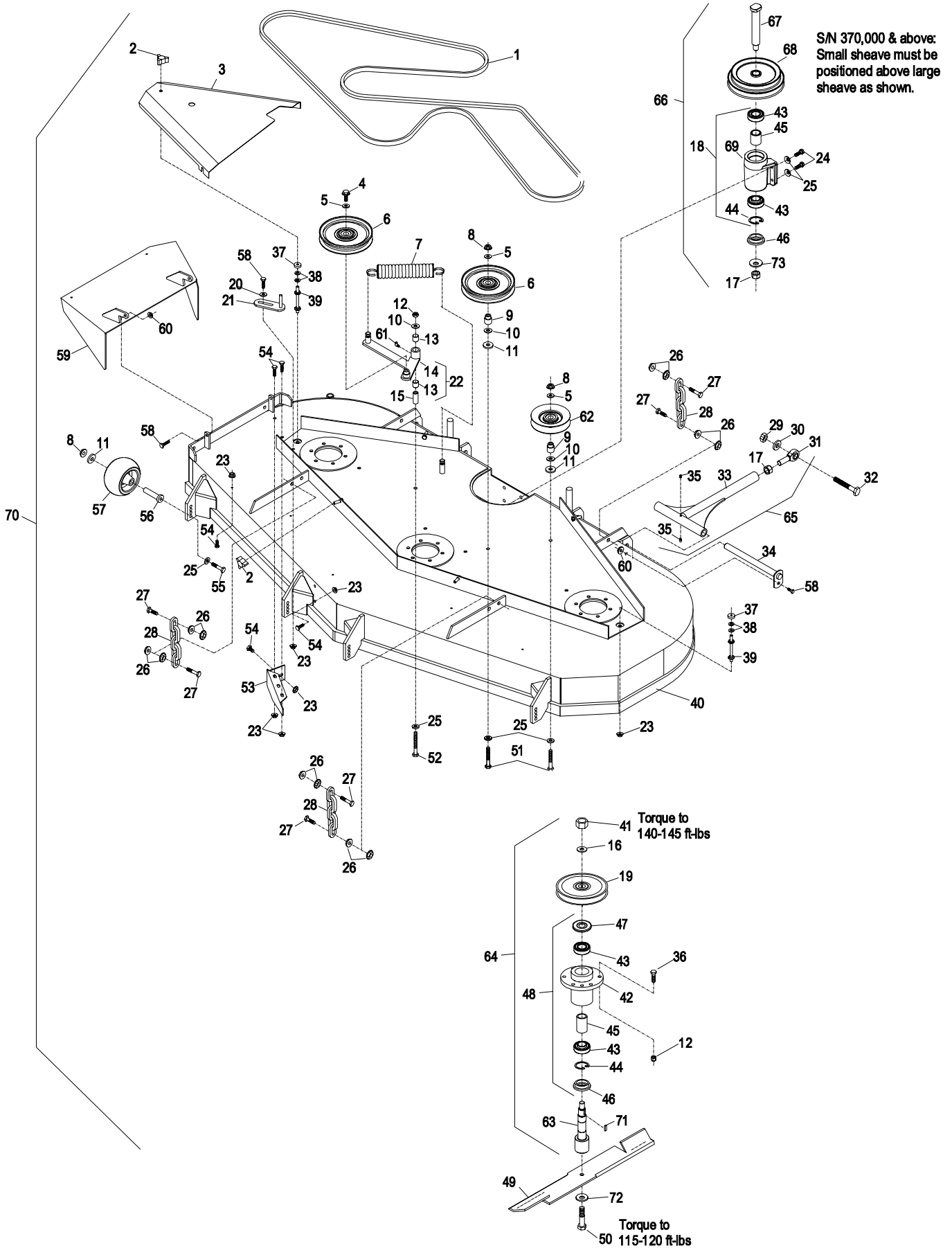
72" DECK GROUP

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

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.	Ref. No.	Part No.	Description	Qty. Req'd.
1	103-2066-01	Frame wldmt, front 52".....	1	34	1-543511	Seal, grease.....	2
	103-2480-01	Frame wldmt, front 60".....	1	35	103-1474-01	Caster wldmt.....	2
	103-2479-01	Frame wldmt, front 72".....	1	36	3296-51	Nut, 3/4-10 nyloc.....	2
2	302-19	Zerk, 1/4-28 straight	5	37	1-633508	Washer, spring disk.....	6
3	103-1502	Asm,floorpan (103-1490-01)		38	325-39	Screw, 1/2-13 x 9 1/2	2
		w/pads &decals.....	1	39	1-811010	Plug	2
4	1-633553	Pad, anti skid	2	40◇	103-0069	Caster wheel assy	2
5	103-2084	Asm,lever(103-2083-03)w/grip. 1		41	3296-23	Nut, 1/2-13 nyloc	2
6	1-633295	Grip, lift lever	1	42◇	1-633959	Spacer, front caster	2
7	103-2064-03	Arm wldmt, deck lift.....	1	43	103-0063	Seal, bearing.....	4
8	1-633325	Spring, compression.....	1	44	1-633585	Bearing cone.....	4
9	3256-24	Washer, 3/8 SAE flat.....	1	45◇	1-633581	Spacer, bearing.. ..	4
10	3296-39	Nut, nyloc 3/8-16	6	46◇	103-0065	Wheel & tire assy	2
11	32151-103	E-ring	5		1-523009	Tire, 13x6.5-6 4 ply	2
12	1-633068	Arm, deck lift.....	2		103-0071	Wheel	2
13	1-633889-01	Plate, deck lift.....	1		1-633584	Bearing cup.....	4
14	1-632899-01	Plate wldmt, deck lift	1	47	103-1918	Bushing	2
15	1-633082	Bushing, lift lever	1	48	323-29	Screw, 3/8-16 x 1 3/8.....	2
16	1-633080	Bushing, lift lever	1	49	32151-29	Ring, retaining.....	2
17	323-13	Screw, 3/8-16 x 2 3/4	1	50	3274-18	Screw, Socket hd 5/16-18x1 1/4. 2	
18	1-633097	Hitch pin w/lanyard	1	51	103-2437	Cup holder assy	1
19	1-806005	Hairpin cotter	1	52	321-2	Screw, 1/4-20 x 1 1/2	1
20	323-9	Screw, 3/8-16 x 1 3/4	2	54	3218-2	Jam nut, 5/16-18.....	2
21	98-5975	Washer, 3/8 disc spring.....	12	55	103-1955-01	Weldmt, front lift shaft (LH) 1	
22	3290-357	Nut, whizlock 3/8-16	15	56	103-2013-01	Weldmt, front lift w/lever(RH) 1	
23	323-6	Screw, 3/8-16 x 1	3	57	1-523157	Washer, spacer	2
24	323-7	Screw, 3/8-16X1 1/4.....	12	58	32128-33	Nut, whizlock 1/4-20	1
25	3256-29	Washer, 7/8 SAE flat.....	4	59	1-634439	Asm, deck lift spring(52" & 60")1	
26	1-633096	Rod, deck lift.....	2		103-2047	Asm, deck lift spring (72")... 1	
27	3217-11	Nut, 5/8-11 regular	8	60	3296-59	Nut, nyloc 3/8-16 (light thin) 1	
28	1-633441	Swivel, deck mount.....	4	61★	103-2768	Guard, Seal.....	4
29	3256-7	Washer, 5/8 std flat	4	62★	103-5188	Asm, Caster Wheel w/Axle 2	
30	1-633064	Spring, deck support (52" & 60")2		63★	103-5156	Axle, Caster	2
	1-643015	Spring, deck support (72") .. 2		64★★	103-3051	Spacer, Nut	4
31	3218-6	Jam nut, 5/8-11	4	65★	103-5179	Asm, Wheel & Tire	2
32	1-543513	Cap, grease.....	2		1-633584	Bearing cup.....	4
33	1-543509	Bearing cone,tapered roller 4		66	106-6572	Pad, Antiskid	2
	1-543508	Bearing cup, tapered roller . 4					

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.

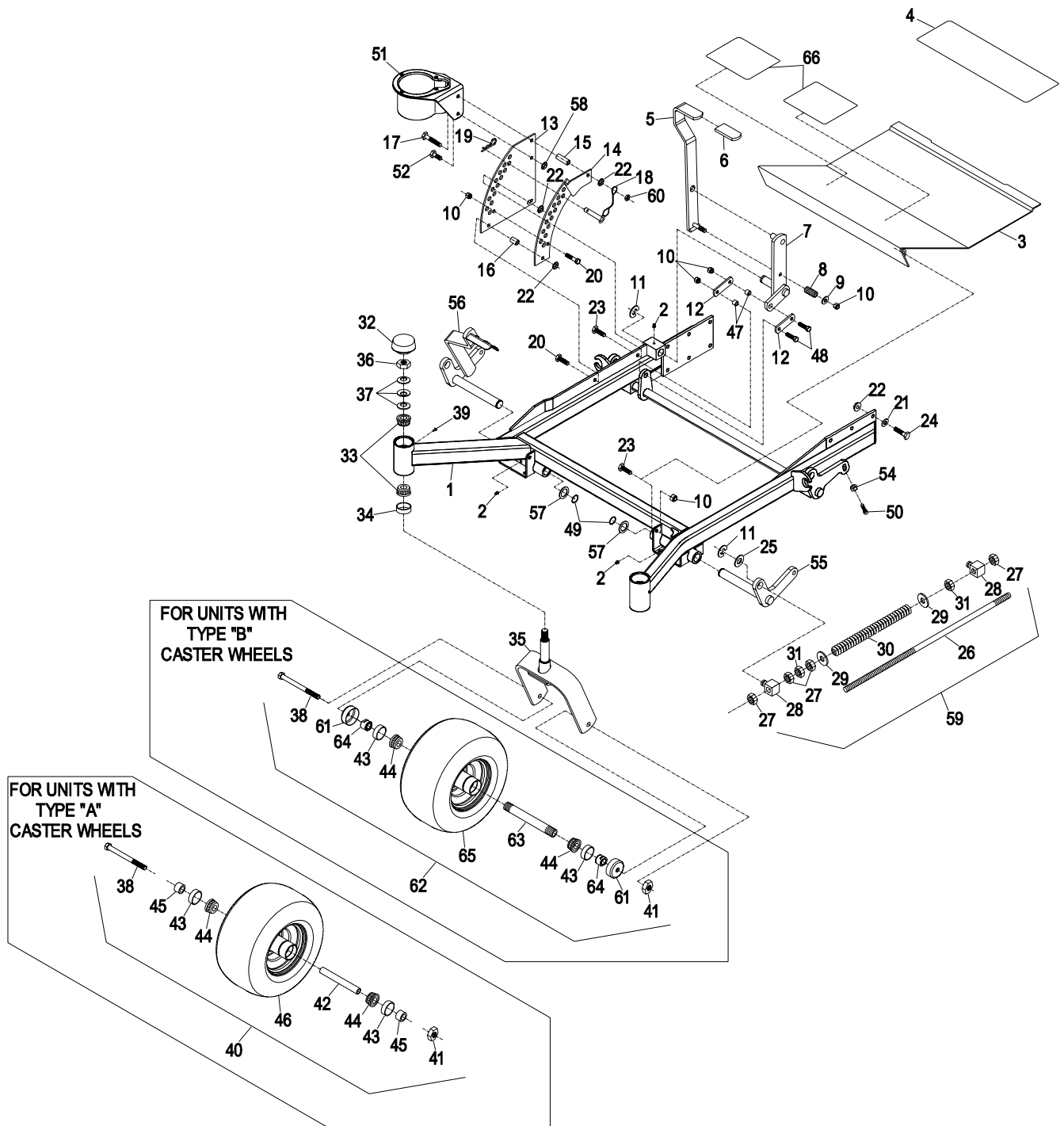
Two different versions of the caster wheel assemblies have been used on Lazer units. They are listed as assembly "A" and "B" in the diagram on the next page. Reference the diagram to determine the components for the appropriate assembly.

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).

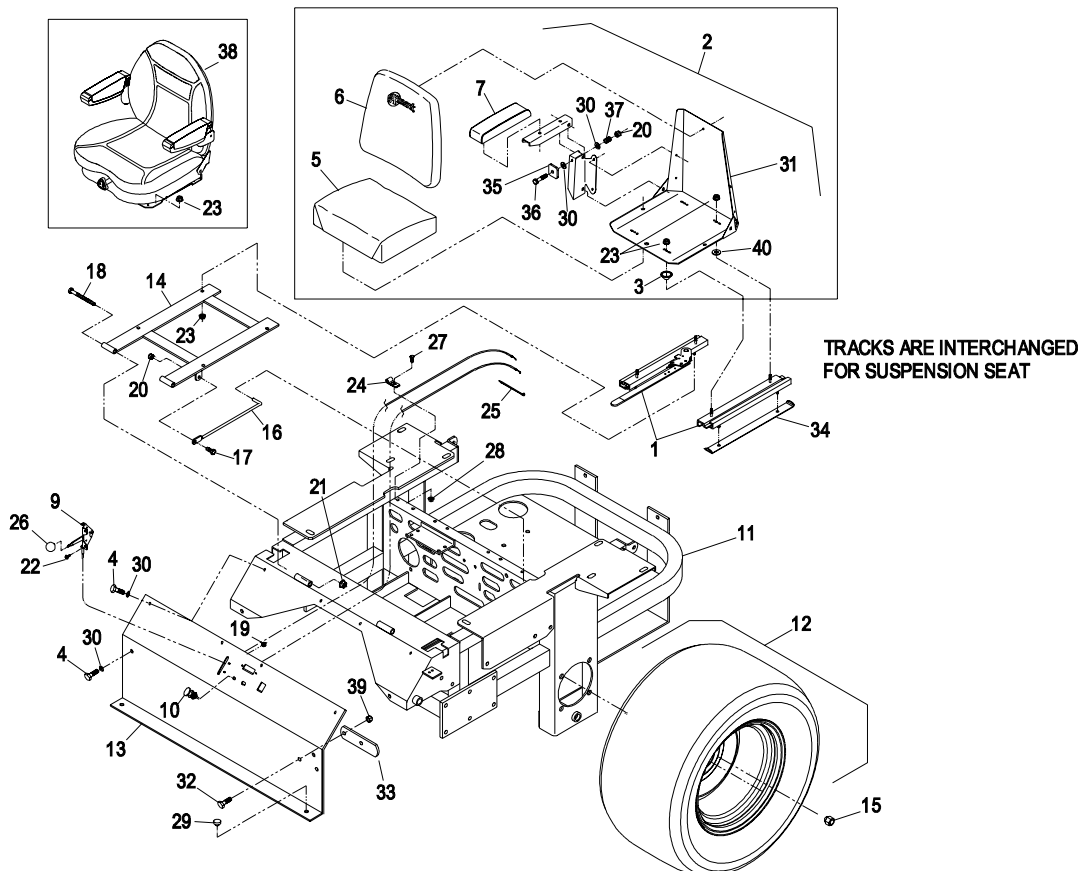
◇ Component required for Caster assembly "A" only.

★ Component required for Caster assembly "B" only.

FRONT FRAME GROUP



MAIN FRAME GROUP



Ref. No.	Part No.	Description	Qty. Req'd.	Ref. No.	Part No.	Description	Qty. Req'd.
1	1-643255	Track, seat (4" adjustable)	1	23	32128-20	Nut, whizlock 5/16-18	8
2	103-0465	Seat (All units except Koh EFI)	1	24	1-513762	Clip, loom (.50)	1
3	1-543401	Spacer, seat track	2	25	1-303335	Plastic tie (lrg)	1
4	322-3	Screw, 5/16-18 x 3/4	6	26	1-513592	Ball, (red) throttle cable	1
5	103-0290	Cushion, seat	1	27	321-6	Screw, 1/4-20 x 1.0	1
6	103-0289	Cushion, backrest	1	28	32128-33	Nut, whizlock 1/4-20	1
7	103-0292	Cushion, armrest (RH)	1	29	1-513658	Bumper	2
8*	103-0291	Cushion armrest (LH)	1	30	3256-23	Washer, 5/16 SAE flat	10
9	1-633696	Cable, throttle	1	31	1-633859	Seat Frame	1
10	1-603336	Cable, choke	1	32	323-6	Screw, 3/8-16 x 1	2
11	103-3277	Asm, frame (103-3128-03) w/decals	1	33	1-633964-03	Stop, Park Brake	1
12	103-2743	Wheel/tire assy. (60" & 72") ..	2	34♦	1-633872-03	Stop/Spacer (Koh EFI & 27 HP Kaw liq-cooled)	2
	103-2744	Tire, 24x12-12 4 ply (60" & 72") ..	2	35	103-0284	Tab, Armrest Adjustment	2
	1-633992	Wheel (60" & 72")	2	36	322-7	Screw, 5/16-18 x 1 1/2	2
	103-2769	Wheel/tire assy. (52")	2	37	1-633349	Spring, Compression	2
	103-2771	Tire, 24x9.5-12 4 ply (52")	2	38▽	1-633821	Seat, Suspension (Koh EFI)	1
	1-653158	Wheel (52")	2		1-631845	Kit, Pan w/seat & back	1
13	103-3335	Asm, console (1-633965-03) w/decals	1		1-631844	Kit, Armrest Assy	1
14	1-632187-03	Frame, seat mount	1		1-631843	Kit, Boot, upper & lower wire ..	1
15	242-50	Nut, wheel 1/2-20	8		1-631842	Kit, Armrest Pad w/hardware ..	1
16	1-633293	Rod, seat hold-up	1		1-631846	Kit, Damper w/hardware	1
17	322-5	Screw, 5/16-18 x 1	1		1-631847	Kit, Rollers, bumpers & hrdwre ..	1
18	323-39	Screw, 3/8-16 x 5	2		1-631848	Kit, Spring, Cable & hardware ..	1
19	3296-2	Nut, nyloc #10-24	2		1-631849	Kit, Knob, Shaft & hardware ..	1
20	3296-29	Nut, nyloc 5/16-18	3		1-643281	Switch, Seat	1
21	3296-39	Nut, nyloc 3/8-16	2	39	3290-357	Nut, whizlock 3/8-16	1
22	1-807513	Screw, #10-24 x 1/2	2	40	3256-3	Washer, 5/16 std flat	2

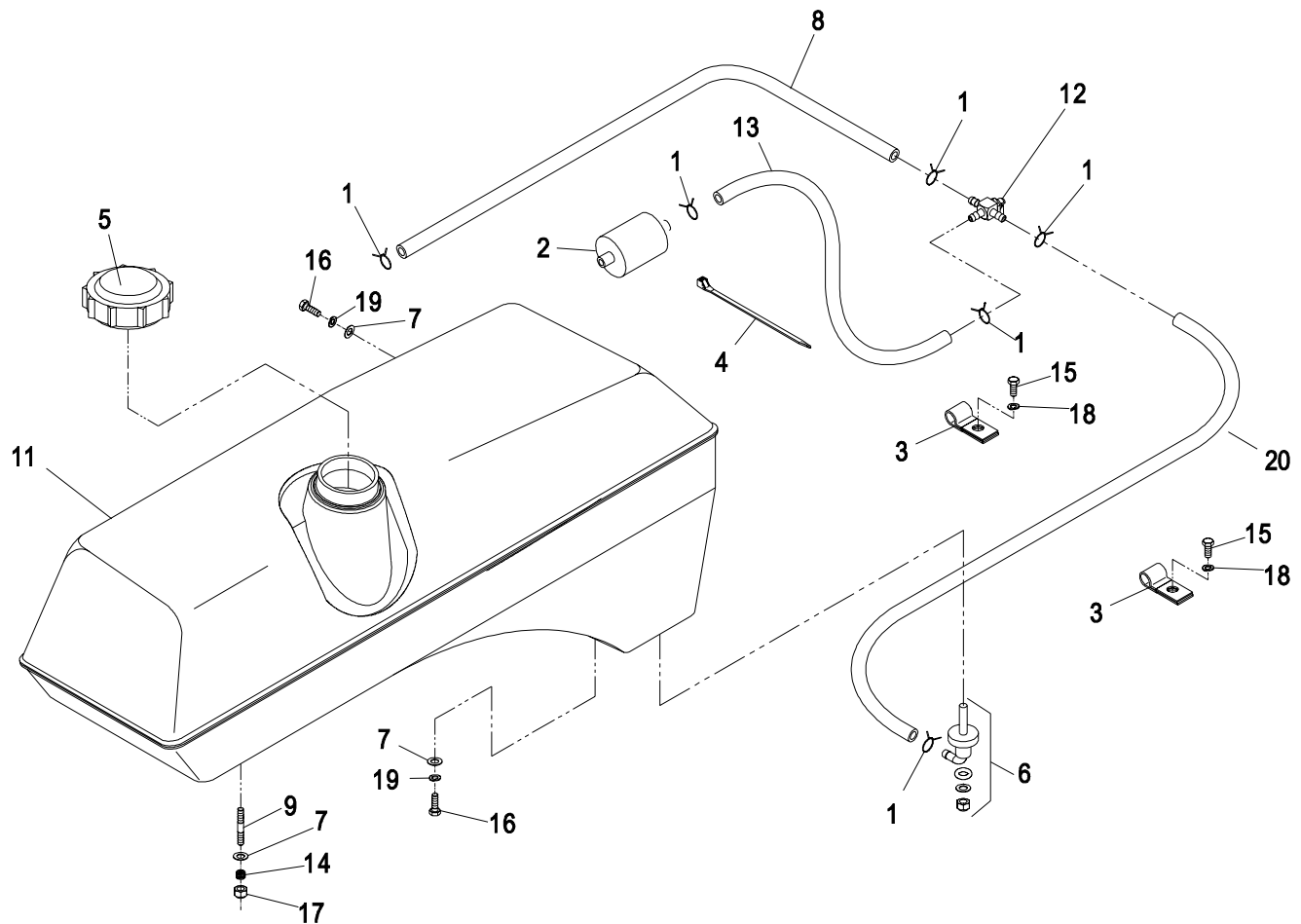
* Not Illustrated

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

♦ 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.

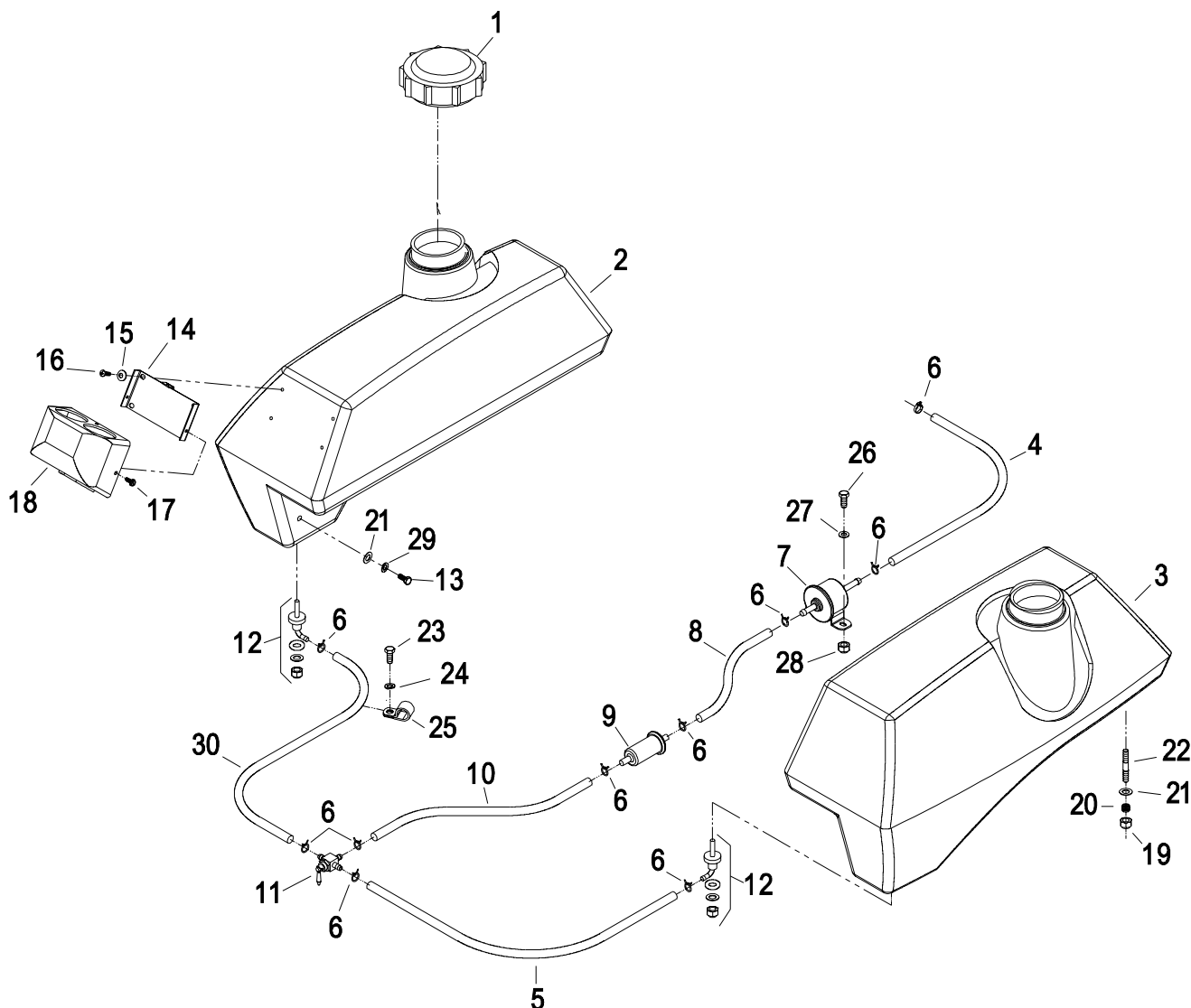
* Not Illustrated.

❑ 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.

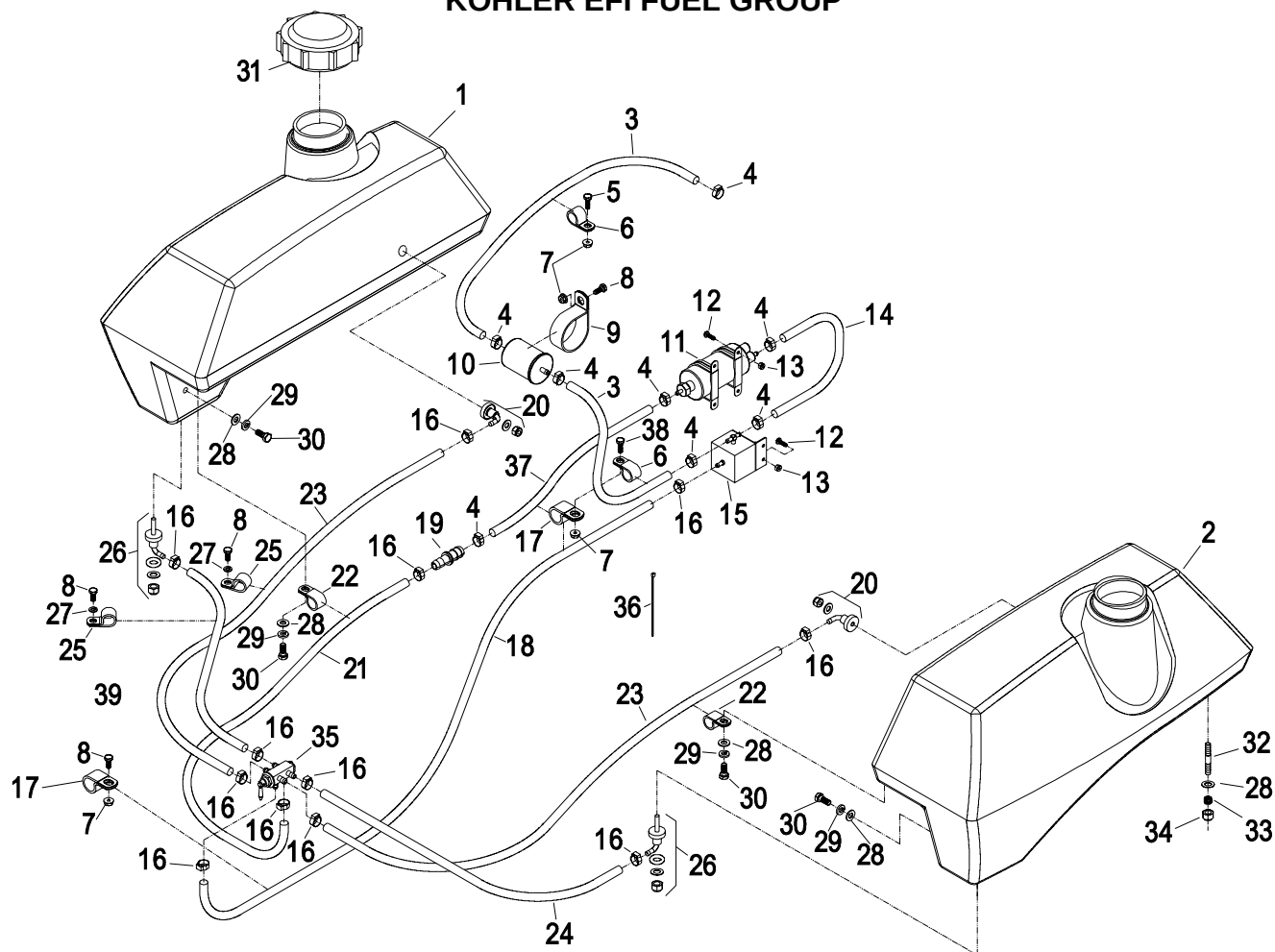
KAWASAKI LIQUID-COOLED FUEL GROUP



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

- ◆ 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.	Ref. No.	Part No.	Description	Qty. Req'd.
1❖	103-2135	Asm,tank EFI Fuel (RH)	1	21	1-603955	Fuel line, .25 x 6	1
2❖	103-2134	Asm,tank EFI Fuel (LH)	1	22	103-0373	Clip, Loom	2
3	103-2491	Fuel line, .31 x 24"	2	23	1-633348	Fuel Line.....	2
4▲	1-643277	Clamp, .31 I.D. Fuel Hose ...	8	24	1-543456	Fuel Line.....	1
5	321-4	Screw, Cap 1/4 -20 x 3/4	1	25	1-513762	Clip, loom .50	2
6	1-603727	Clip, Loom .56.....	2	26●	103-2605	Fitting,fuel blkhd w/screen....	2
7	32128-33	Nut, Whizlock 1/4-20	4		103-2784	O-ring	2
8	321-3	Screw, Cap 1/4 -20 x 5/8	3	27	1-805004	Washer, lock 1/4	2
9	1-643241	Clip, Loom 2.13	1	28	3256-23	Washer, flat SAE 5/16.....	10
10☒	Kohler P/N 24 050 03	Fuel Filter (large) .	1	29	1-805005	Washer, lock 5/16 hvy.....	4
11☒	Kohler P/N 24 393 20	Fuel Pump	1	30	322-3	Screw, 5/16-18 x 3/4	4
12	3290-500	Screw, Machine #10-24x5/8	6	31	103-2107	Cap, Fuel Tank.....	2
13	3296-2	Nut, Nyloc #10-24	6	32◆	1-633023	Stud, Fuel Tank	6
14	103-2490	Fuel Line, .31 x 9	1	33	1-633349	Spring, Fuel Tank	6
15☒	Kohler P/N 24 403 12	Fuel Regulator.....	1	34	3296-47	Nut, Thin Nyloc 5/16-18.....	6
16▲	1-643293	Clamp, .25"	12	35	1-643234	Valve, Fuel Dual Flow	1
17	1-643312	Clip, loom.....	2	36	1-303287	Plastic Tie (small)	1
18	103-2492	Fuel line, .25 x 40"	1	37	1-643239	Fuel line, .31 x 28.0	1
19	103-2595	Connector,.25 x .31	1	38	321-6	Screw, Cap 1/4-20 x 1.....	1
20●	103-2615	Fitting,fuel blkhd w/o screen	2	39	103-2885	Fuel line.....	1
	103-2784	O-ring	2				

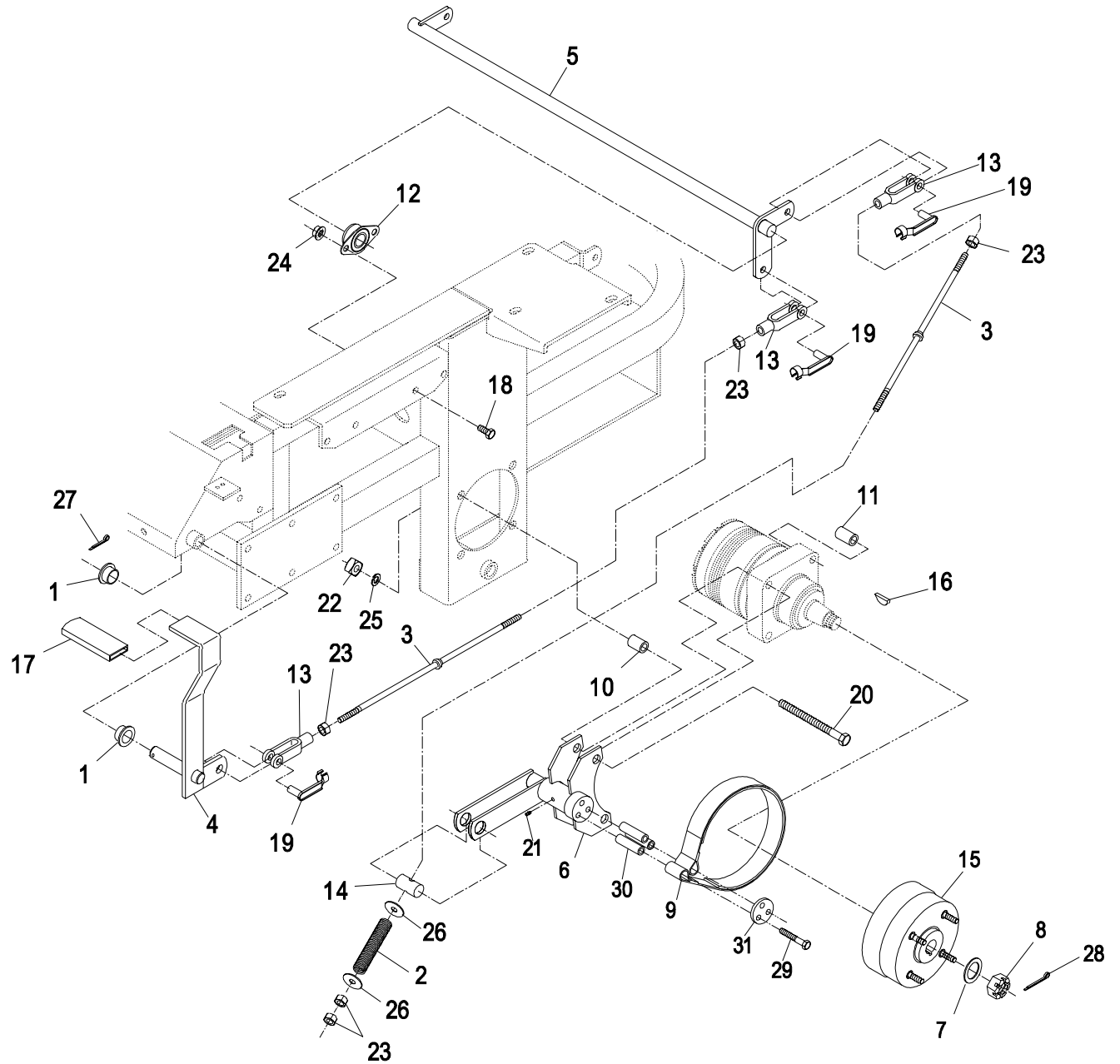
- ◆ Use Pro-lock, Retaining type (Part No. 1-840023), .5cc tube on stud threads going into the tank.
- ☒ Refer to Engine Owner's Manual (Fuel Filter **Must** be 40 Micron or smaller).
- ▲ Clamps require special pliers P/N 1-643394 (Oetiker P/N 14100118 or Kohler P/N 2445505) for installation.
- ❖ Includes: Tank, Cap, Fitting & Studs.
- Use Pro-lock, Nut type (Part No. 1-840022), .5ml tube on fuel fitting.

PARK BRAKE GROUP

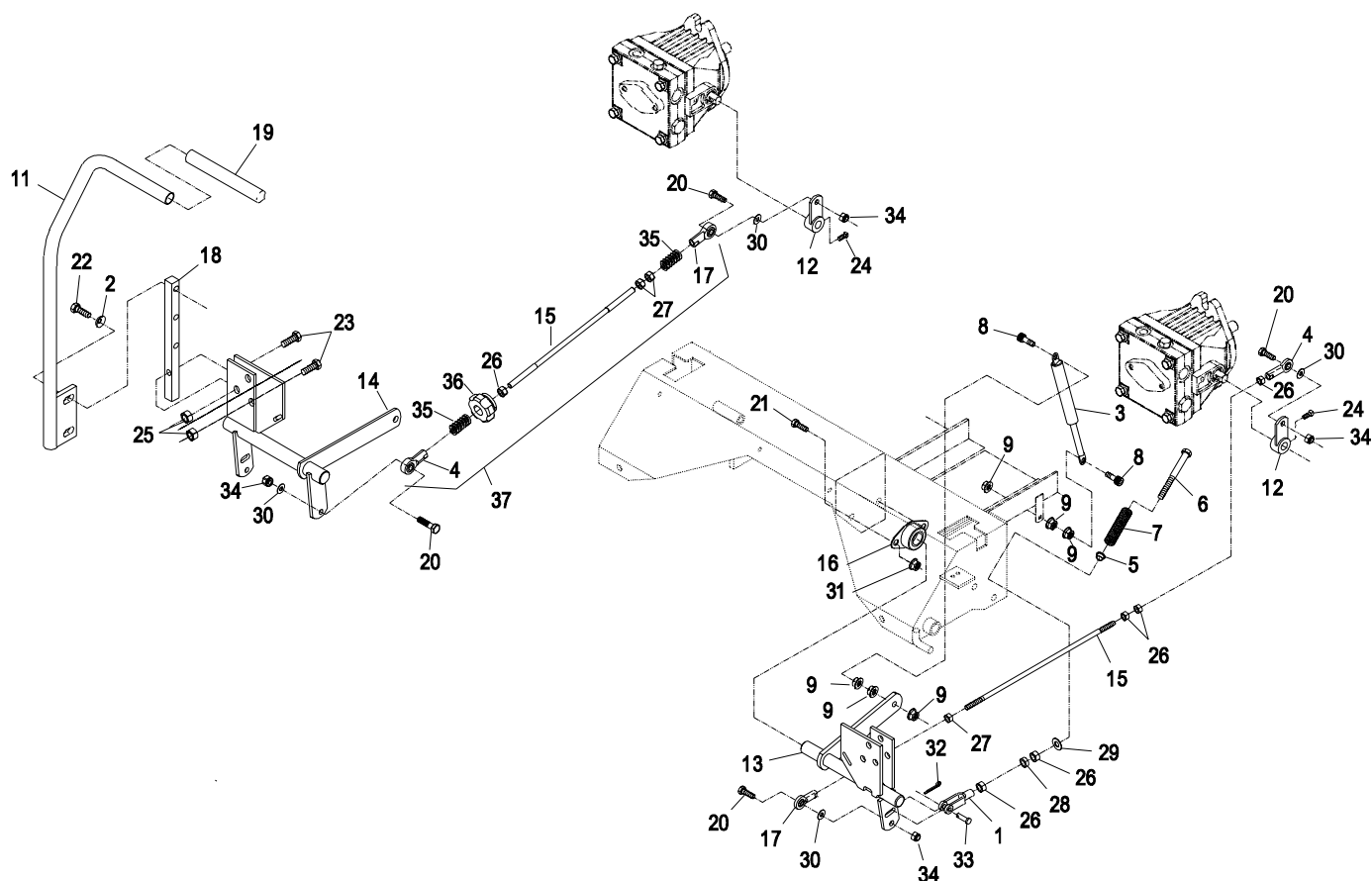
Ref. No.	Part No.	Description	Qty. Req'd.	Ref. No.	Part No.	Description	Qty. Req'd.
1	1-513140	Bushing.....	2	16	3257-42	Woodruff key, 5/16X1	2
2	1-633454	Spring, brake rod	2	17	1-633268	Grip, brake lever	1
3	1-633477	Rod, brake	3	18	323-4	Screw, 3/8-16 x ¾	4
4	1-634500	Lever (1-632489-03)w/grip .	1	19	103-2399	Pin, clevis spring 3/8.....	4
5	1-632217-03	Shaft, brake	1	20	325-17	Screw, 1/2-13 x 4 (52"&62")	8
6	103-0352-03	Bracket, brake (52"&60")	2		1-800334	Screw, 1/2-13 x 6 (72")	8
	103-0354-03	Bracket, brake (72")	2	21	1481	Zerk, 1/4-28 45° (52"&60") .	2
7	1-523157	Washer, spacer	2		302-19	Zerk, 1/4-28 straight (72") ...	2
8	1-809036	Nut, slotted 1.00-20	2	22	103-0131	Nut, sq. reg. ½ -13 UNC-2B	8
9	103-0355	Band, brake	2	23	3219-3	Nut, 3/8-24	8
10	1-633380	Spacer (short)(52"&60")	4	24	3290-357	Nut, whizlock 3/8-16	4
♦	1-633060	Spacer (short) (72")	4	25	3253-7	Washer, lock ½	8
11	1-633382	Spacer (long)(52"&60")	4	26	3256-4	Washer, 3/8 std	4
♦	1-633062	Spacer (long)(72")	4	27	3272-10	Pin, cotter 1/8 x ¾	1
12	1-633102	Bearing, flange.....	2	28	1-806800	Pin, cotter 9/64 x 1 ½	2
13	1-633131	Yoke.....	4	29	322-9	Screw, 5/16-18x1 ¾	6
14	1-633144	Pin, trunion.....	2	30	103-0384	Spacer	6
15	103-0590	Hub & drum w/studs, wheel	2	31	103-0374	Retainer, brake band	2
♦	1-633926	Studs, wheel	8				

- ♦ Not Illustrated
- Exmark black touch up spray paint - gloss black

PARK BRAKE GROUP



MOTION CONTROL LEVERS



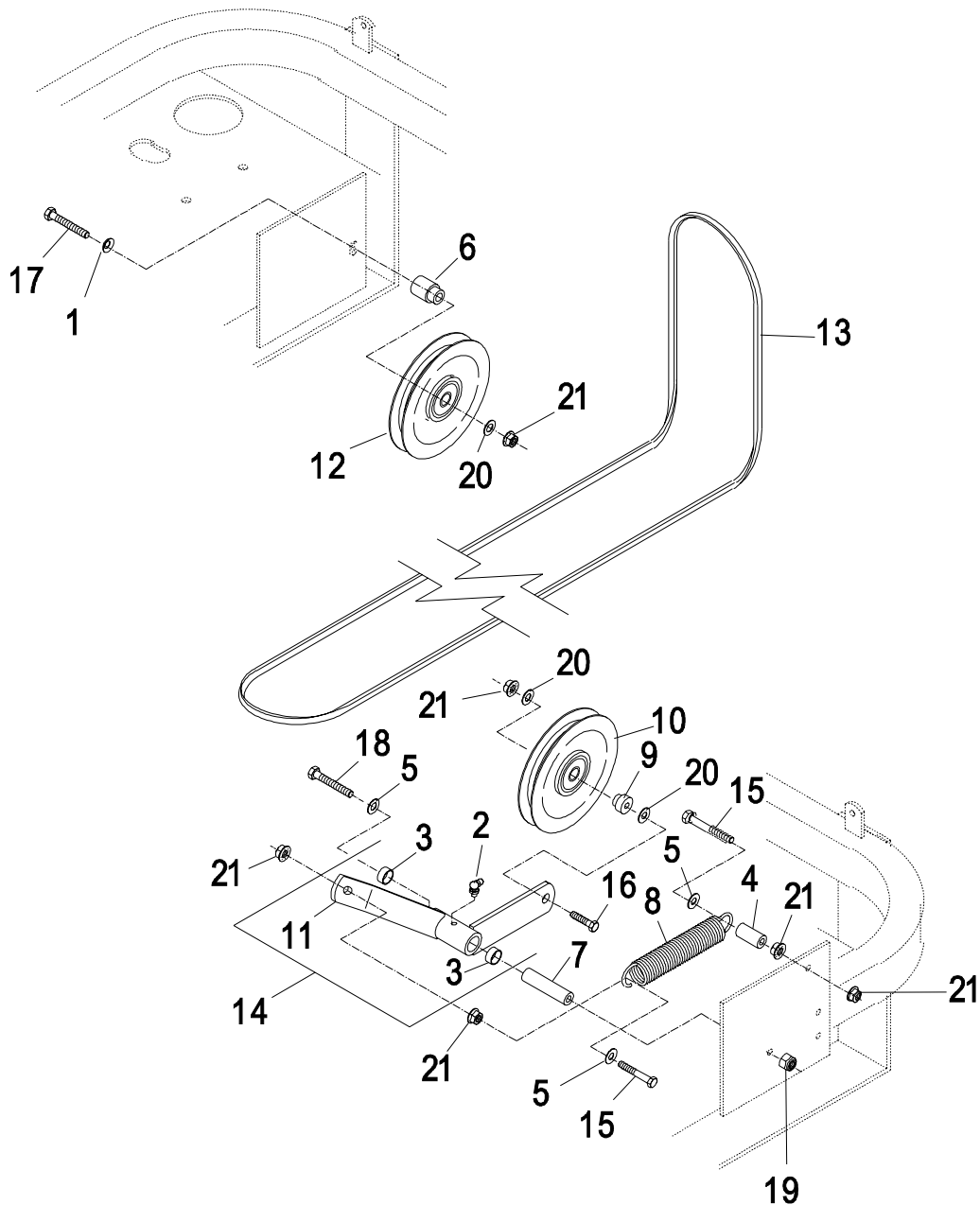
Ref. No.	Part No.	Description	Qty. Req'd.	Ref. No.	Part No.	Description	Qty. Req'd.
1	1-303105	Yoke	2	19	1-633257	Grip, motion control handle	2
2	98-5975	Washer, disc spring 3/8....	4	20	322-6	Screw, 5/16-18 x 1 1/4.....	4
3	103-4079	Damper.....	2	21	323-4	Screw, 3/8-16 x 3/4.....	8
4	1-543017	Ball joint (RH)	2	22	323-7	Screw, 3/8-16 x 1.....	4
5	1-603735	Bushing,nylon (reverse ind)	2	23	323-9	Screw, 3/8-16 x 1 3/4.....	6
6	1-603737	Bolt, (neutral return).....	2	24◇	1-803022	Set screw, 5/16 x 5/8	2
7	1-603807	Spring, (neutral return)	2	25	3296-39	Nut, nyloc 3/8-16	6
8	1-403180	Screw, 5/16-18x1 3/8 special	4	26	3219-2	Nut, 5/16-24.....	8
9	32128-20	Nut, whizlock 5/16-18	12	27	1-804524	Nut, 5/16-24 (LH).....	3
10*	103-0631	Handle (103-0409-03) w/grip (LH)	1	28	3220-2	Nut, jam 5/16-24.....	2
11	103-0632	Handle (103-0410-03) w/grip (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	103-3064	Link,tracking rod	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
17	1-633152	Ball joint (LH)	2	35	1-323245	Spring, compression.....	2
18	103-0407	Arm, control shaft.....	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.	Ref. No.	Part No.	Description	Qty. Req'd.
1	98-5975	Washer, spring disc 3/8	1	12	1-633166	Pulley, idler.....	1
2	302-40	Zerk, 1/4-20 (90°).....	1	13*	103-4092	Belt, mule drive kit.....	1
3	1-513034	Bearing.....	2	◇	103-4014	Belt, mule drive	1
4	1-603401	Spacer, spring.....	1	14	103-3147	Arm, idler w/bushings.....	1
5	3256-4	Washer, 3/8	3	15	323-11	Screw, 3/8-16 x 2 1/4	2
6	103-2627	Bushing, idler	1	16	323-9	Screw, 3/8-16 x 1 3/4	1
7	1-603384	Bushing, idler pivot.....	1	17	323-13	Screw, 3/8-16 x 2 3/4	1
8	1-603402	Spring, mule idler	1	18	1-800805	Screw, 3/8-16 x 3 1/2	1
9	1-603496	Bushing, idler	1	19	3296-39	Nut, nyloc 3/8	1
10	1-603805	Pulley, idler.....	1	20	3256-24	Washer, 3/8 sae.....	3
11	103-3144-03	Arm, idler.....	1	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.	Ref. No.	Part No.	Description	Qty. Req'd.
1	1-643315	Baffle, Engine Cooler (27HP & Koh EFI)	1	32	3290-357	Nut, whizlock 3/8-16 (20, 23 & 27HP Koh)	14
2	1-303335	Plastic tie	2		3290-357	Nut, whizlock 3/8-16 (Koh EFI) ...	15
3	1-523420	Bumper, rubber	2	33	32128-33	Nut, whizlock 1/4-20	6
4	322-6	Screw, cap 5/16 x 1 1/4	1	34	1-633396	Clip, loom .56	1
5	1-633630	Grommet (all clutches)	2	35	1-809076	Screw, M6-1.0 x 45mm (20, 23 & 27 hp Koh)	2
6	1-603610	Washer, spring disc (all clutches)	2		1-809108	Screw, self tapping 5/16-18 x 1.75 (Koh EFI)	2
7	1-633615-03	Guard, rear engine	1	36	1-323235	Washer, disc spring (20, 23 & 27 hp Koh only)	2
8	1-633543-03	Strap, clutch (all clutches)	1	37	1-323236	Spacer	2
9	103-3245	Clutch (103-3131) kit (20 & 23HP Koh)	1	38	1-633545	Spacer, Grommet (all clutches)	2
	103-3246	Clutch (103-3132) kit (27HP Koh)	1	39	1-633988	Spacer, clutch anchor	1
	103-4000	Clutch (103-4057) kit (Koh EFI)	1	40	103-3247	Kit, clutch jumper harness (103-2931)	1
	103-3012	Kit, brake pole module	1		103-4001	Kit, clutch jumper harness (103-3911) (Koh EFI)	1
10	1-633453	Spacer (20 & 23HP Koh)	1	41	3256-63	Washer, 3/16 std.	6
	1-633179	Spacer (27HP & Koh EFI)	1	42▽	103-1996	Valve, oil drain long (Koh)	1
11	103-3340	Asm, shield w/decals (Koh)	1	43*	103-2459	Muffler, kit (Koh EFI)	1
12	103-1308	Shield, engine	1	44	9266934	Screw, 5/16-18 x .5 (Koh EFI)	2
13	1-633300-03	Shield, lift (Koh)	1	45	324-2	Screw, 7/16-14 x .75 g5 (Koh EFI)	2
14	1-634796	Shield (LH) - subassy (Koh)	1	46	3253-6	Washer, Lock 7/16 (Koh EFI)	2
15	1-633301	Shield, heat (Koh)	2	47	33014-00	Nut, Hex M8 1.25 (Koh EFI)	4
16	1-633795-03	Baffle, engine (LH)	1	48	1-805005	Washer, Lock 5/16 hvy (Koh EFI)	4
17	1-643313-03	Shield, muffler	1	49	98-5975	Washer, spring disc 3/8	4
18	1-644316	Shield (RH) - subassy (Koh)	1	50	1-653291	Gasket (Koh)	2
19	1-523285	Clip, shield (Koh)	2	51	103-1513	Arrester, Spark (1.25) (Koh EFI)	1
20	1-633794-03	Baffle, engine (RH)	1	52	103-1514	Clamp, Muffler (1.38) (Koh EFI)	1
21	322-19	Screw, 5/16-18 x 4	1	53	323-9	Screw, 3/8-16 x 1 3/4	4
22	321-4	Screw, 1/4-20 x 3/4	10	54❖	103-3535	Kit, cable heat shield (103-3388)	1
23	1-613235	Washer	4	55	321-4	Screw, 1/4-20 x 3/4	1
24	323-6	Screw, 3/8-16 x 1 (20, 23, 27HP Koh)	8				
	323-6	Screw, 3/8-16 x 1 (Koh EFI)	9				
25✎	3212-10	Screw, 7/16-20 x 2 1/2 (Koh) (all clutches)	1				
26	1-803035	Rivet, 3/16 x 1/4 (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				

▽ 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

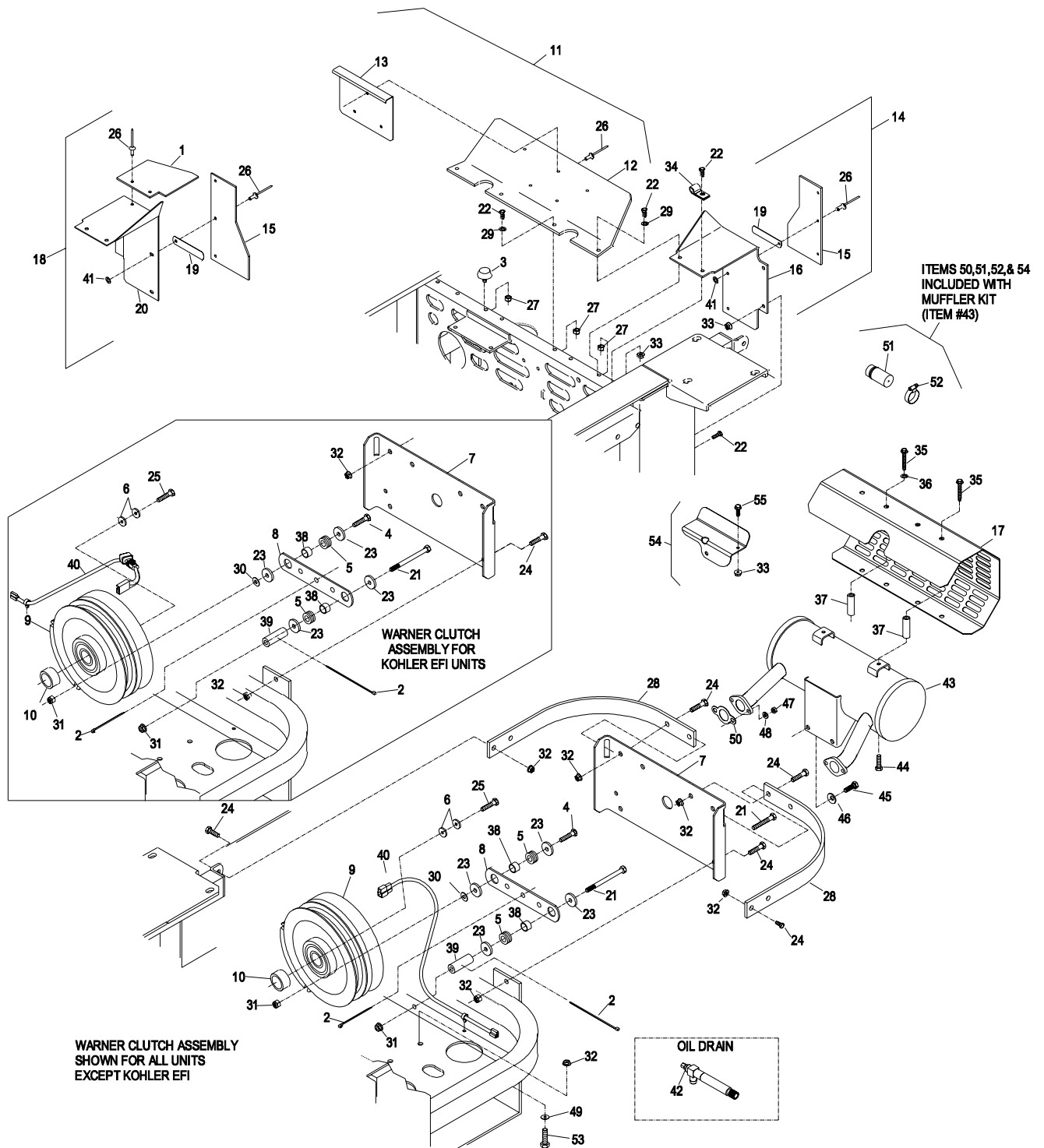
❖ Standard with Kohler EFI units, available as a kit to fit all Kohler units.

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

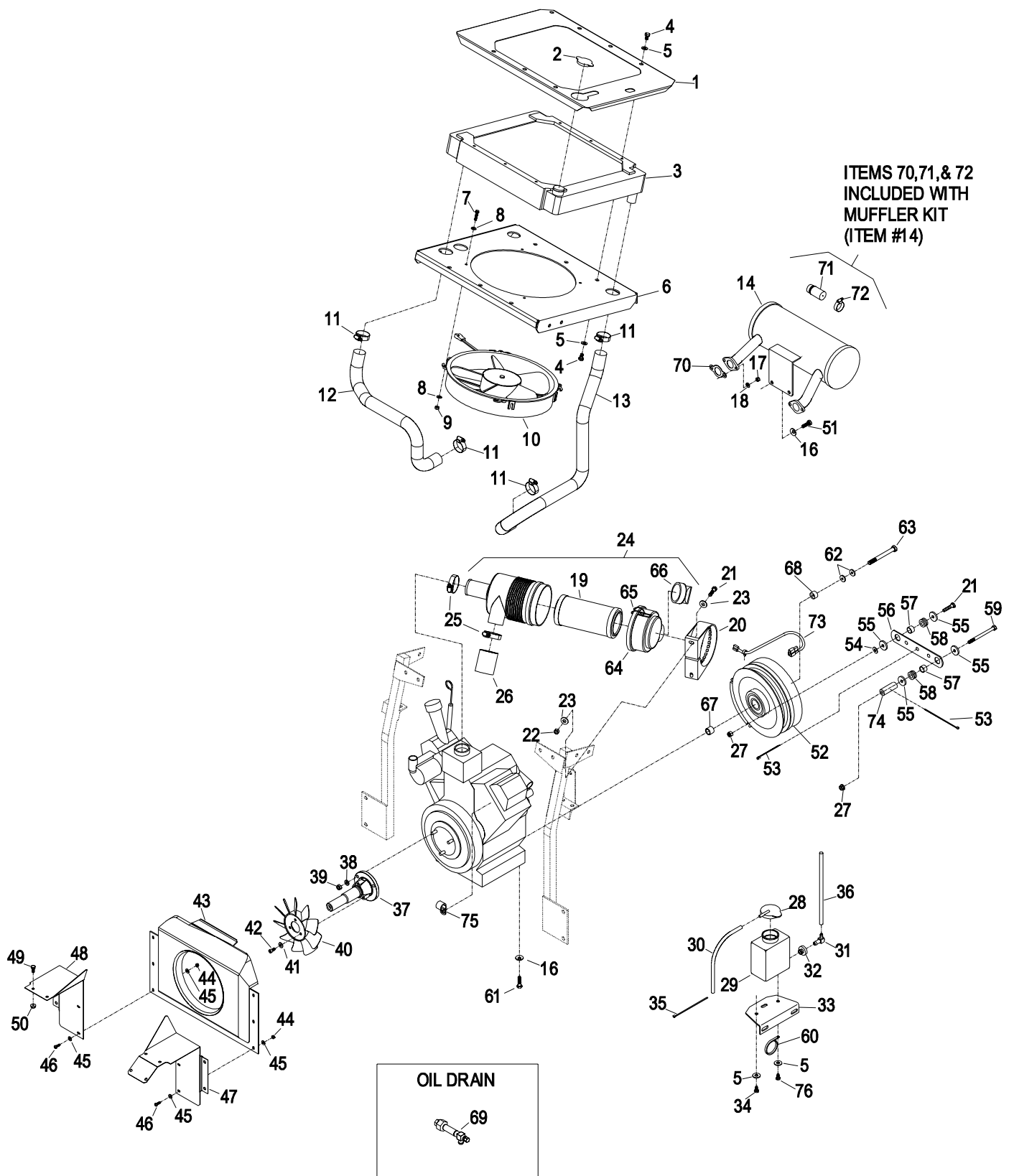
Ref No.	Part No.	Description	Qty. Req'd.	Ref. No.	Part No.	Description	Qty. Req'd.
1	103-3342	Asm,radiator trim (1-633902-03)		40	1-633869	Fan, Pump Cooling	1
		w/decals	1	41	3256-22	Washer, Flat SAE 1/4	3
2	1-643161	Cap, Radiator	1	42	1-809095	Screw,HexScket 1/4-20x1/2	3
3	103-1046	Radiator, horiz. Mount	1	43	103-0098	Shroud, Hydraulic Fan	1
4	322-1	5/16-18x1/2 HHC Screw.....	12	44	3296-2	Nut, Nyloc #10-24	6
5	3256-23	Washer, Flat SAE 5/16.....	14	45	3256-14	Washer, Flat Std #10	12
6	103-3343	Asm,fan mnt plate (1-633888-03)		46	3290-500	Screw, Mach #10-24x5/8 ...	6
		w/decals	1	47	103-0895-03	Shield, LH Liquid	1
7	1-803067	Scrw,12-24x1.0HSHWMach	4	48	1-633794-03	Shield, RH Eng Shield.....	1
8	3256-16	Washer, Flat Std #12	8	49	321-4	Screw, Cap HH 1/4-20x5/8	6
9	1-804254	Nut, Nyloc HH #12-24	4	50	32128-33	Nut, Whizlock 1/4-20.....	6
10	1-633831	Fan Assy, 12" Hi Profile.....	1	51	33115-020	Screw, M10-1.5x20mm	2
11	1-633989	Clamp,Hose-worm .75-1.504		52	103-3244	Clutch (103-2453) Kit	1
12	103-0074	Hose, Radiator Inlet	1		103-3012	Kit, brake pole module.....	1
13	103-0075	Hose, Rad. Outlet	1	53	1-303335	Tie, plastic.....	1
14	103-1557	Muffler,kit	1	54	3256-3	Washer, 5/16 std.....	1
16	98-5975	Wshr, Disc Sprg 3/8	6	55	1-613235	Washer	4
17	33013-00	Nut, Hex M6	4	56	1-633543-03	Strap, Clutch/Brake.....	1
18	1-805004	Washer, Lock 1/4 Hvy	4	57	1-633545	Spacer, Grommet	2
19	93-2195	Element, filter Primary	1	58	1-633630	Grommet.....	2
20	95-5806	Bracket, air cleaner mount .	1	59	322-19	Screw, Cap HH 5/16-18x4.0	1
21	322-6	Screw, Cap 5/16-18x1-1/4 .	3	60	103-0113	Clip, loom	1
22	3296-29	Nut, Nyloc 5/16-18.....	2	61	33115-025	Screw, M10-1.5x25mm	4
23	3256-3	Washer, Flat Std 5/16	4	62	1-603610	Washer, disc spring 7/16 ...	2
24	95-5805	Cleaner, remote air w/filter .	1	63☆	33115-035	Screw, Cap M10x1.5x35mm	1
25	1-643009	Clamp, Hose 1.31-2.25	2	64	94-3652	Cover w/latch	1
26	1-643084	Hose, Air inlet	1	65	1-643283	Latch, Air cleaner	2
27	32128-20	Nut, Whzlc 5/16-18.....	2	66	87-9400	Vacuator Valve.....	1
28	1-643164	Cap, Overflow Tank	1	67	103-0114	Spacer, Clutch	1
29	1-643163	Tank, Overflow (2.0 pts)	1	68	103-0152	Keeper, Clutch	1
30	1-643131	Hose, .25 ID x 22.00"	1	69	103-3068	Valve, Oil Drain	1
31	1-643259	Elbow, 90deg	1	70	103-1564	Gasket, Exhaust	2
32	1-513645	Bushing, Fuel valve	1	71	103-1511	Arrester, Spark (1.50)	1
33	103-2603-03	Bracket, Bottle	1	72	103-1512	Clamp, Muffler (1.63)	1
34	321-2	Screw, Cap Hex 1/4-20x1/2	1	73	103-3247	Kit,clutch jumper harness	
35	1-303287	Plastic Tie 5.5x.044x.1.....	3			(103-2931)	1
36	1-643129	Hose, .31 ID x 27.00"	1	74	1-633988	Spacer,clutch anchor.....	1
37	1-633851	Extension, Crankshaft	1	75	1-633396	Clip,loom .56	1
38	1-805005	Washer, Lock 5/16	3	76	321-3	Screw,Cap HH 1/4x20-.625	1
39	33014-00	Nut, Hex M8	3				

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



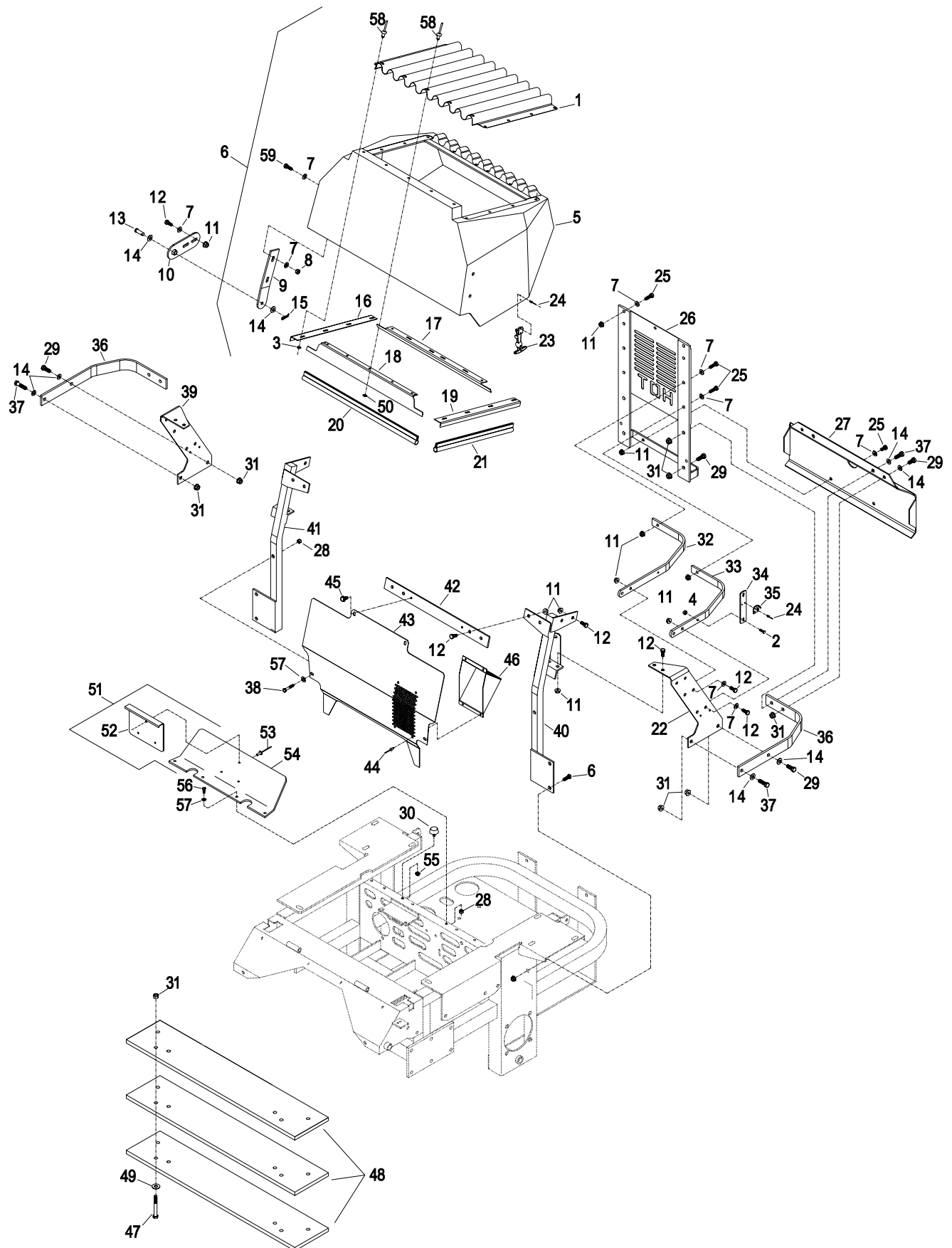
KAWASAKI LIQUID-COOLED ENGINE DECK GROUP (cont.)

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

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.	Ref. No.	Part No.	Description	Qty. Req'd.
1	103-1947	Asm,reservoir w/decal.....	1	23	103-3735	Hose,lower LH (52 & 60).....	1
2	103-1948	Cap,hydraulic reservoir	1		103-1863	Hose,lower (72).....	2
3	103-1949	Gasket,reservoir cap.....	1	24	1-523328	Motor,wheel drive.....	2
4	104-7836	Head,filter	1	25	103-3736	Hose,upper RH (52 & 60) ...	1
5	1-513211	Element,hydraulic oil filter	1	26	103-3737	Hose,lower RH (52 & 60)	1
♦	1-523541	Element,hydraulic filter (winter)	1	27	1-633568	Sheave,pump.....	2
6	103-1988	Clamp,hose (11/16).....	4	28◇	1-803022	Setscrew,sq hd 5/16-18x5/8 .	2
7	103-1716	Clamp,hose (17/32).....	3	29◇	30-1710	Setscrew,sq hd cup 5/16-18x1	2
8	103-1826	Asm,hose hydraulic.....	1	30◇	1-803050	Setscrew,sq hd cp 5/16-18x3/4	2
9	103-1827	Asm,hose hydraulic.....	1	31	1-807272	Key,5mmx5mmx25mm	2
10	103-1808	Hose,hydraulic.....	1	32□	1-603991	Adapter,strt -8jic/-10 mstor .	4
11	103-1806	Asm,case drain hose.....	1		1-603919	Boss O-ring.....	1
12	103-1807	Elbow,45°	1		1-603992	Flare O-ring.....	1
	1-603921	Boss O-ring		*	1-633786	Elbow,90° long-8jic/-10mstor	4
13	103-1828	Adapter,run tee	1		1-603919	Boss O-ring.....	1
	1-603921	Boss O-ring			1-603992	Flare O-ring.....	1
14	103-1801	Adapter,straight.....	1	33	1-633167	Pulley,idler w/bushings.....	1
	1-603921	Boss O-ring		34	1-634277	Arm,w/bearing.....	1
15	103-1912	Adapter,straight.....	1	35	323-9	Screw,cap hh 3/8-16x1 3/4 .	1
	1-603921	Boss O-ring		36	3256-3	Washer,flat std 5/16.....	1
16	103-1799	Elbow,90°	2	37	3290-357	Nut,whizlock 3/8-16.....	8
	1-603921	Boss O-ring		38	1-603384	Bushing,idler pivot.....	1
17	321-3	Screw,1/4-20 x 5/8	2	39	1-632201-03	Arm,pump idler	1
18	1-805004	Lockwasher,1/4	2	40	1-633567	Sheave,engine	1
19	103-1802	Elbow,90°	2	41	1-633569	Belt,pump drive	1
	1-603921	Boss O-ring		42	323-8	Screw,3/8-16x1 1/2	1
20	103-2675	Pump,hydraulic.....	2	43	1-800805	Screw,3/8-16x3 1/2	1
	103-2664	Kit,input shaft 10A	1	44	323-7	Screw,3/8-16 x 1	4
	103-2665	Kit,thrust bearing 10A.....	1	45	3256-4	Washer,3/8 std	1
	103-2666	Kit,cylinder block 10A.....	1	46	13-2840	Key, 1/4 x 1/4 x 1/4	1
	105-6185	Plate,valve	1	47	302-40	Zerk,90° 1/4-28	1
	105-6184	Kit,overhaul seal.....	1	48	1-513034	Bearing,pivot.....	2
	103-2741	Kit,shock valve 10A/10L	1	49	103-3330	Spring,extension	1
21	1-603990	Connector,straight.....	4	50	321-6	Screw,HHC 1/4-20 x 1	2
	1-603920	O-Ring (Sae #8)	1	51	3256-22	Washer,SAE 1/4	2
	1-603992	O-Ring (37° flare #8).....	1	52	32128-33	Nut,whizlock 1/4-20.....	2
22	103-3733	Hose,upper LH (52 & 60)	1				
	103-3734	Hose,upper (72)	2				

◇ Use Pro-Lock, Nut Type (P/N 1-840022, 5 ml tube) on setscrews.

Exmark black touch up spray paint - gloss black

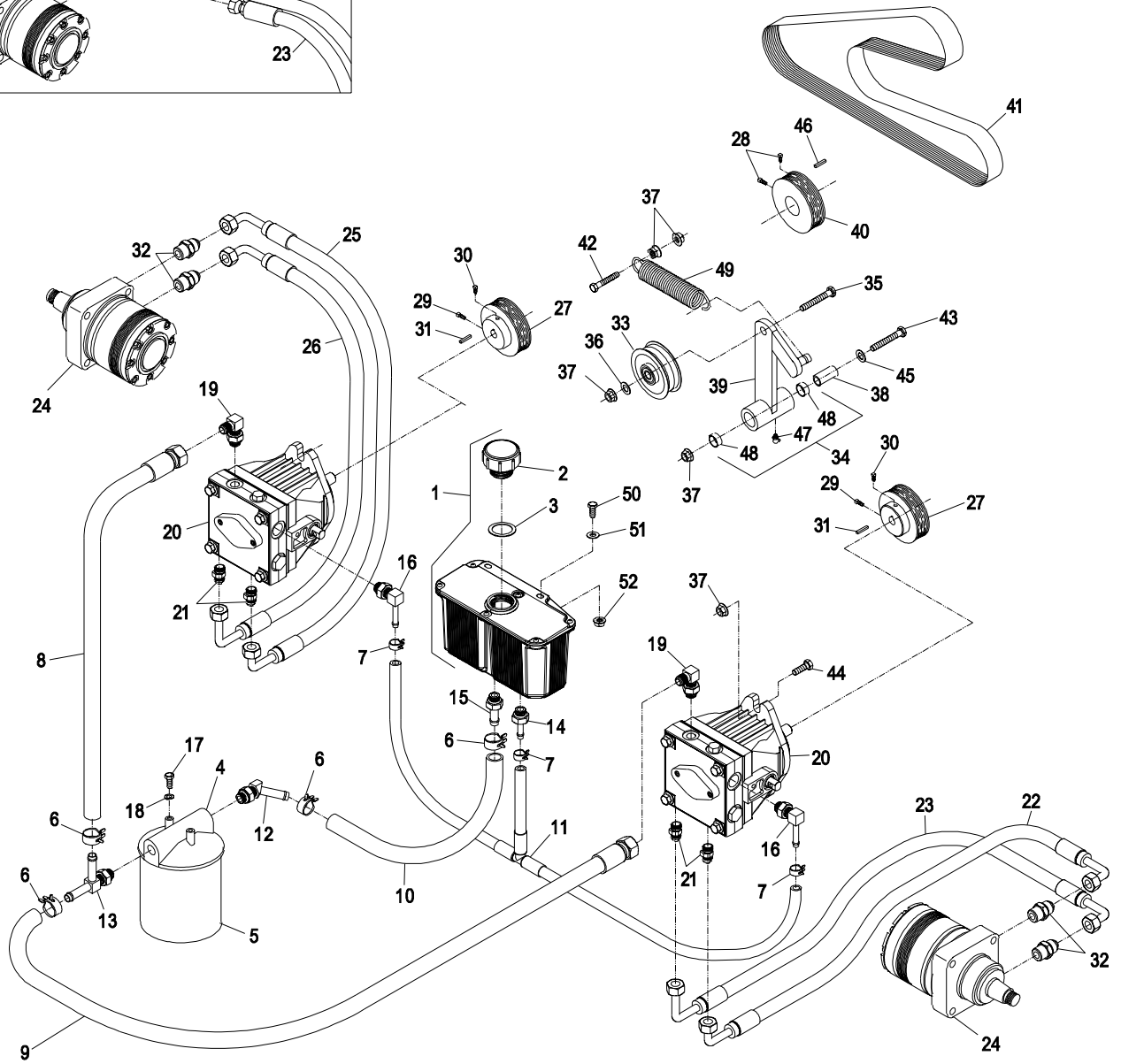
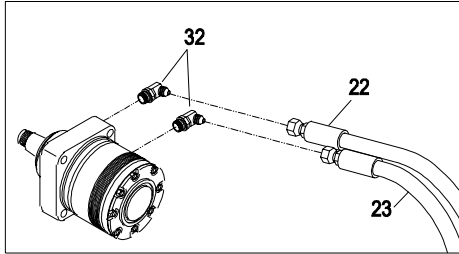
♦ Use only for operation below 32°F (0°C)

□ 52" and 60" only

* 72" only

HYDRAULIC GROUP

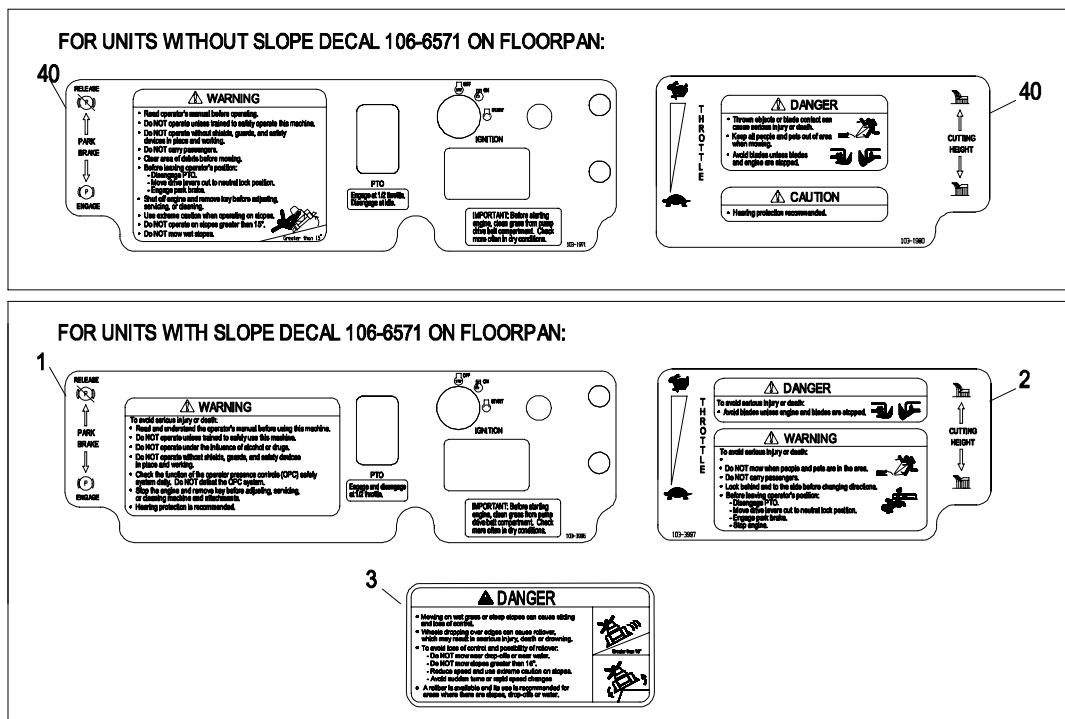
72" ONLY



DECAL GROUP

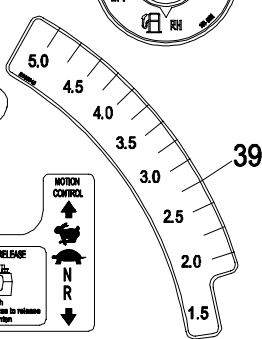
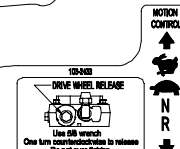
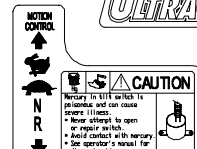
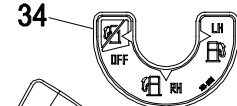
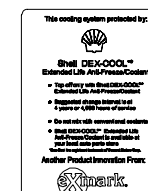
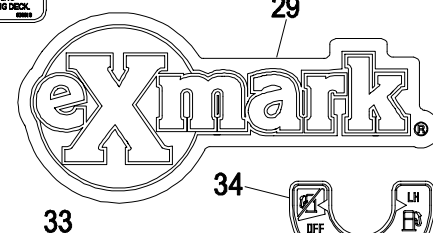
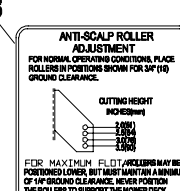
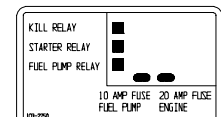
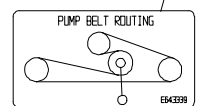
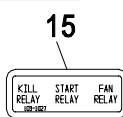
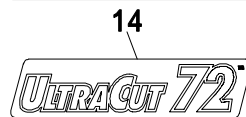
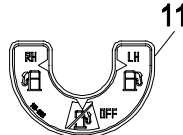
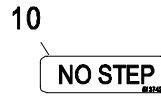
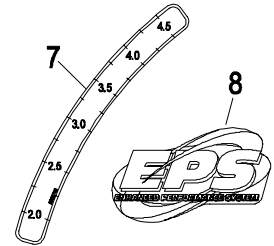
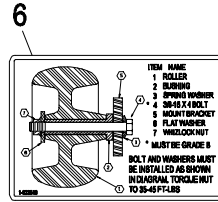
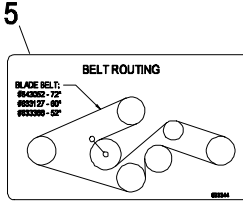
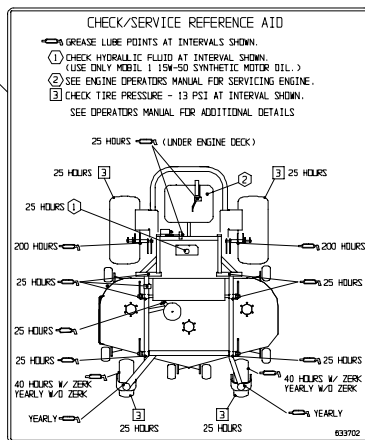
Ref. No.	Part No.	Description	Qty. Req'd.	Ref. No.	Part No.	Description	Qty. Req'd.
1	103-3996	Decal, Console 1	1	24	98-5954	Decal, Missing Cover	2
2	103-3997	Decal, Console 2	1	25	1-633313	Decal, Warning	1
3	106-6571	Decal, Danger Slope	1	26●	103-2750	Decal, Relay/Fuse.	1
4	1-633702	Decal, Check Service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

- ** 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.
- *

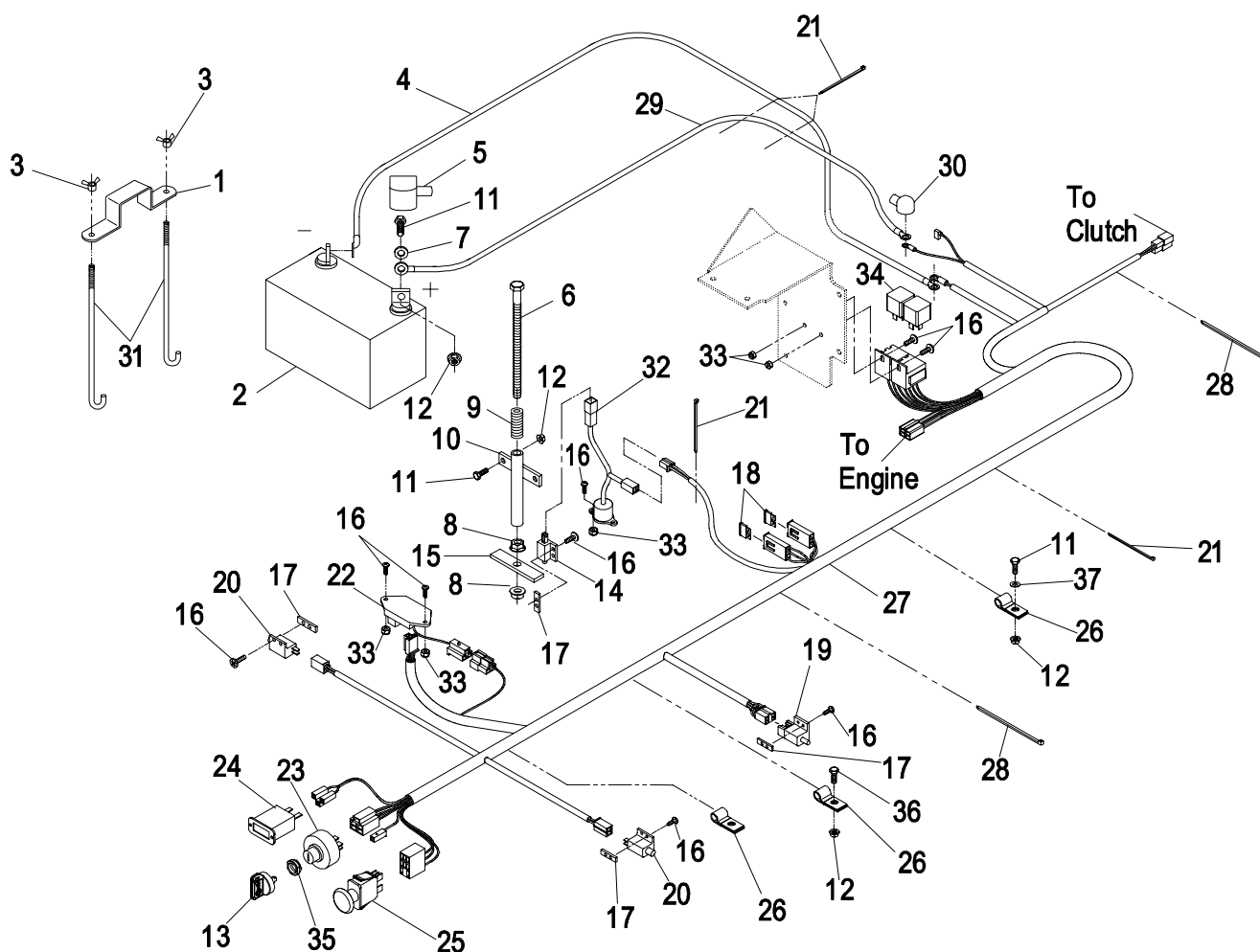


DECAL GROUP

FOR ALL UNITS



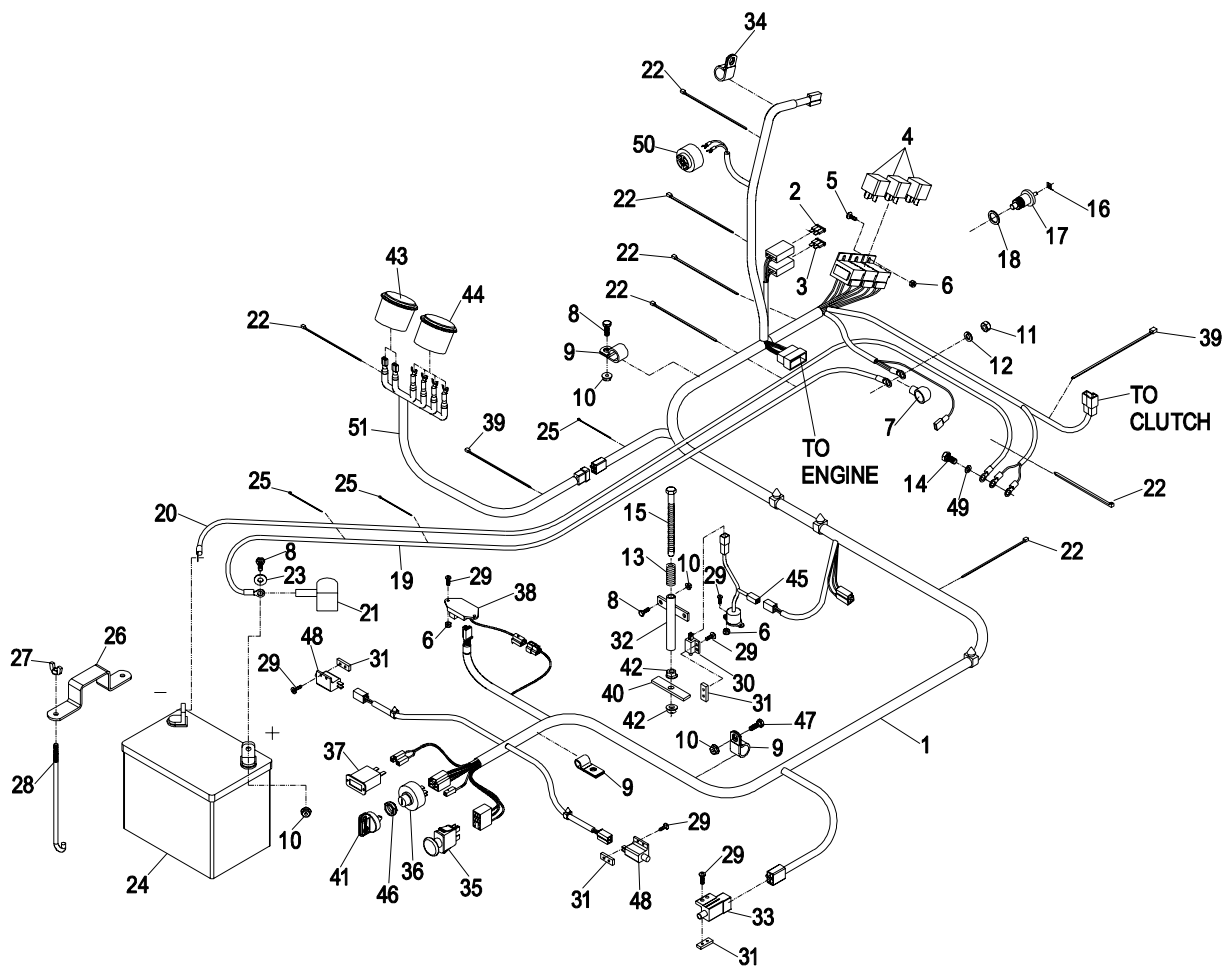
KOHLER 20, 23 & 27 HP AIR-COOLED ELECTRICAL GROUP



Ref. No.	Part No.	Description	Qty. Req'd.	Ref. No.	Part No.	Description	Qty. Req'd.
1	1-633652-03	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	1-522424-03	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, 1/4 SAE.....	1

◇ Use dielectric grease on all wiring harness connectors.

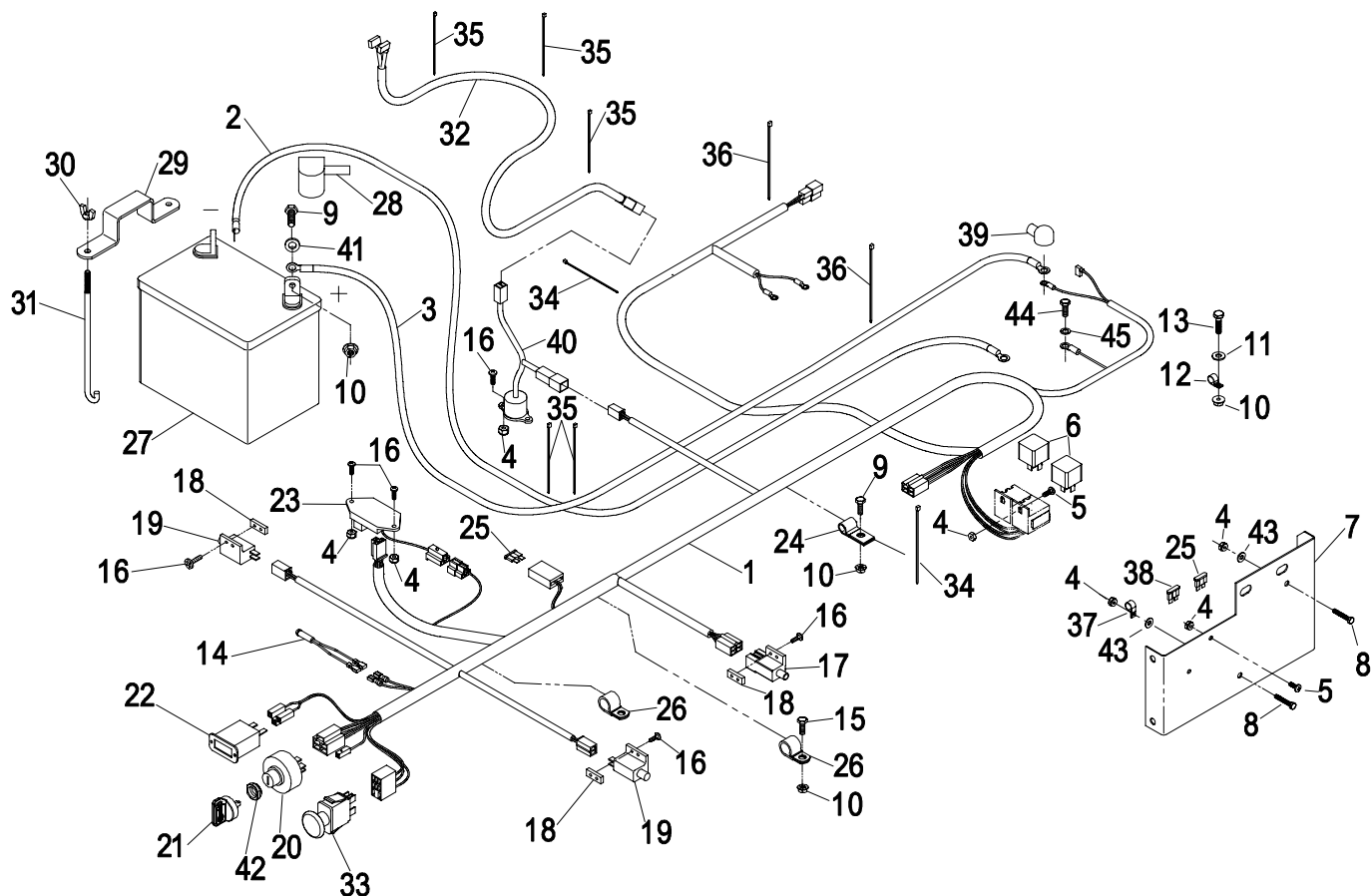
KAWASAKI 27 HP LIQUID-COOLED ELECTRICAL GROUP



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 #10-24x1/2	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

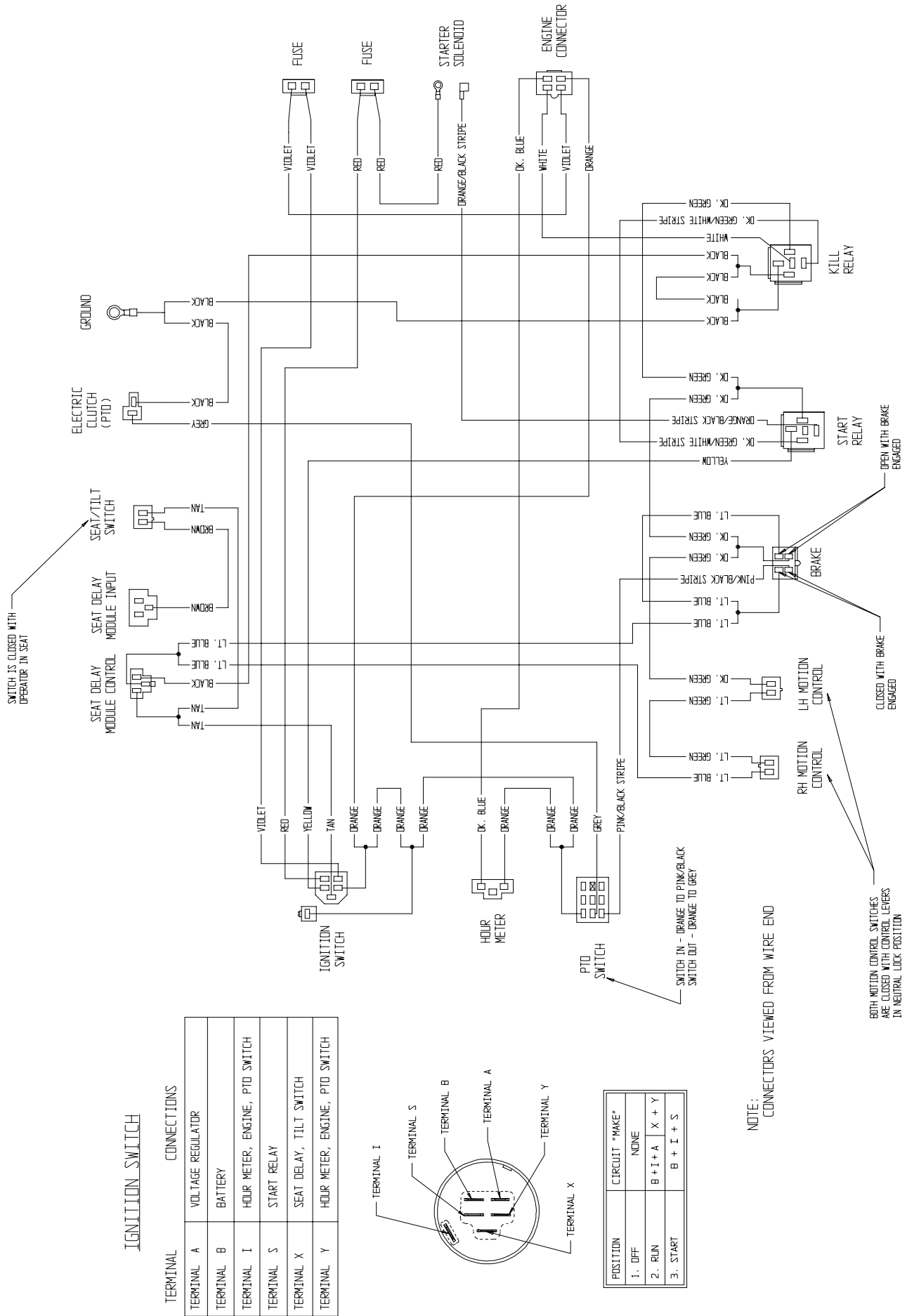
KOHLER EFI ELECTRICAL GROUP



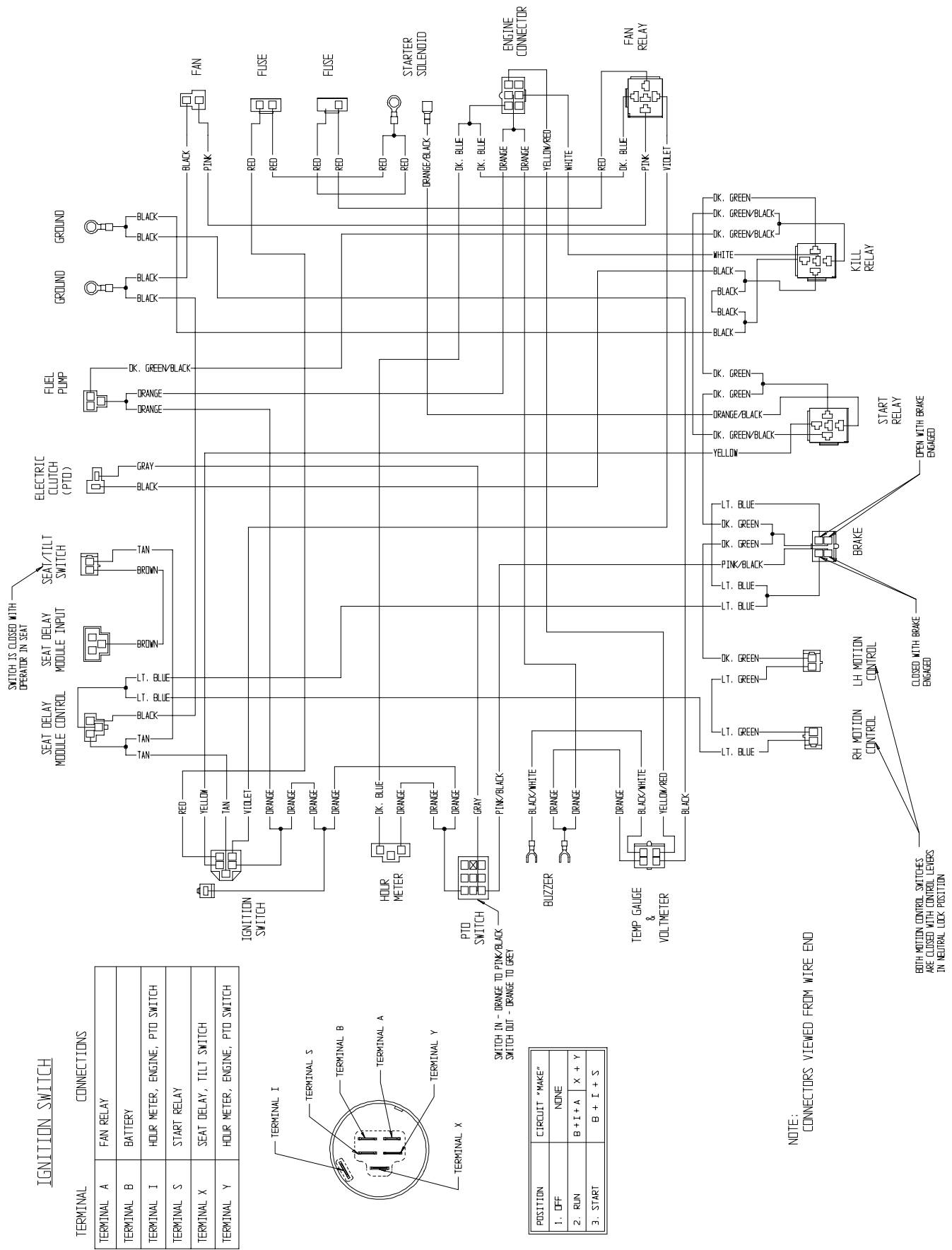
Ref. No.	Part No.	Description	Qty. Req'd.	Ref. No.	Part No.	Description	Qty. Req'd.
1◇	103-2590	Harness-wiring.....	1	23	100-6186	Module, seat delay	1
2	1-633307	Cable-battery (-)	1	24	1-513762	Clip-loom .50	2
3	1-523279	Cable- battery (+).....	1	25	1-816001	Fuse-20 amp	2
4	3296-2	Nut, nyloc #10-24	10	26	1-633396	Clip- loom .69	2
5	1-803071	Screw, machine #10-24x½	4	27	103-0293	Battery-12V	1
6	1-643275	Relay, 12V	2	28	1-543391	Insulator-battery	1
7	103-2549-03	Panel, fuses.....	1	29	1-633652-03	Holdown-battery	1
8	32105-20	Screw, Mach #10-24 x 2	2	30	1-543792	Wingnut, nyloc	2
9	321-4	Screw, 1/4-20x3/4	5	31	1-633651	Bolt, battery holddown.....	2
10	32128-33	Nut, 1/4-20 whizlock	6	32◇	103-1227	Wiring Harness, seat	1
11	3256-22	Washer, 1/4 SAE flat	1	33	1-633673	Switch	1
12	1-643312	Clip, loom 1.0	1	34	1-303287	Plastic tie (small).....	2
13	321-6	Screw, 1/4-20 x 1	1	35	1-303335	Plastic tie (medium)	5
14	1-643267	Indicator, Red LED	1	36	1-643115	Plastic tie (large)	2
15	321-2	Screw, 1/4-20 1/2	1	37	1-323229	Clip, loom 3/8	1
16	3290-500	Screw, #10-24x5/8	8	38	1-816002	Fuse, 10 amp	1
17	1-633111	Switch, N.O./N.C.....	1	39	1-543393	Insulator, solenoid +	1
18	1-633181	Plate- tapped	3	40◇	1-633782	Switch, tilt	1
19	1-513051	Switch, drive lever N.O	2	41	3256-2	Washer, 1/4 flat	2
20	103-0206	Switch-ignition w/ keys.....	1	42	103-0498	Nut, Ignition	1
21	103-2106	Key, Exmark Logo	1	43	3256-14	Washer, #10	2
	1-603511	Key, ignition	1	44	33114-016	Screw, M8-1.25 x 16mm	1
22	1-513374	Meter- engine hours	1	45	3256-23	Washer, 5/16 SAE	1

◇ Use dielectric grease on all wiring harness connectors.

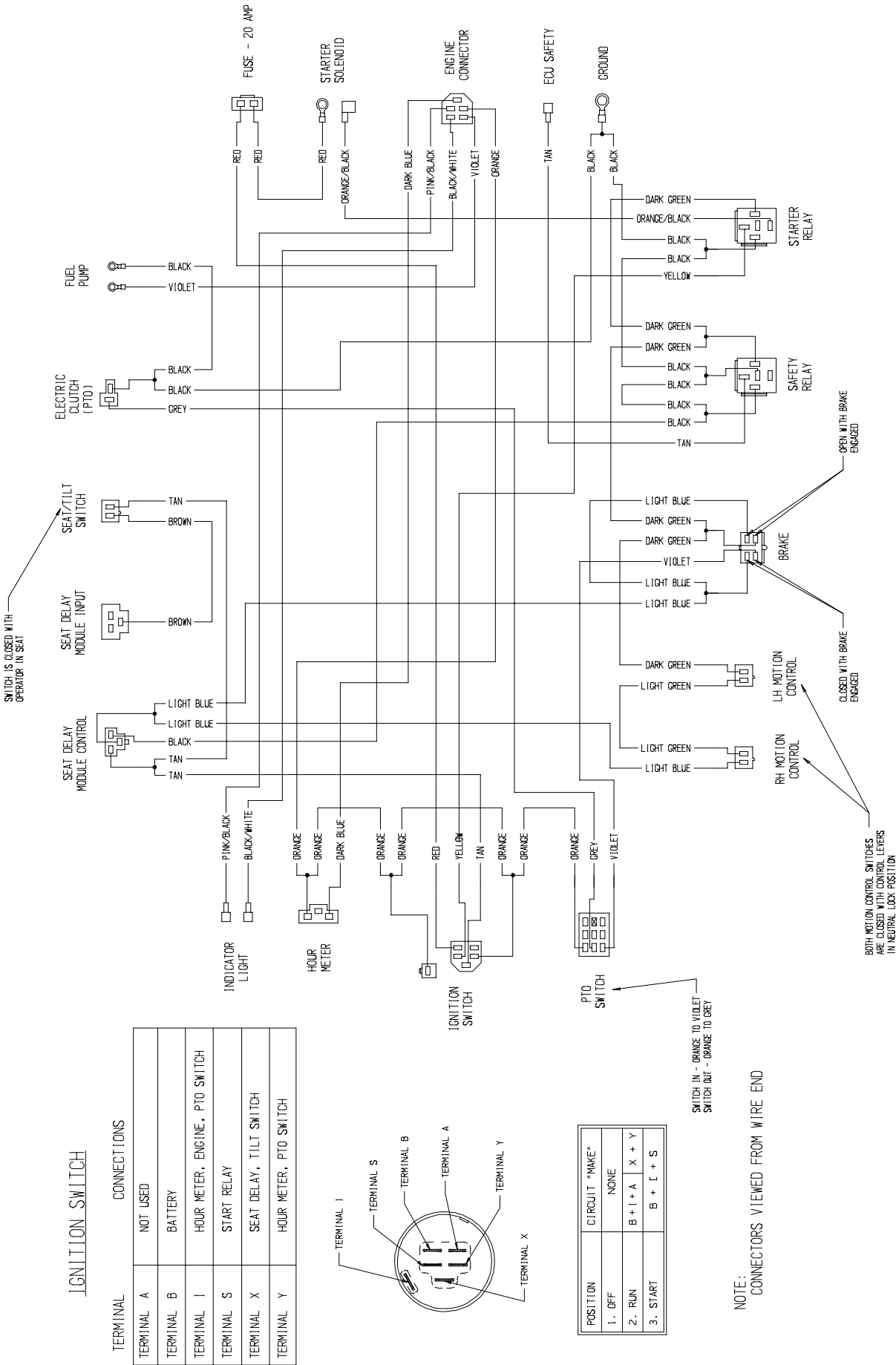
KOHLER 20, 23, & 27 HP AIR-COOLED ELECTRICAL DIAGRAM



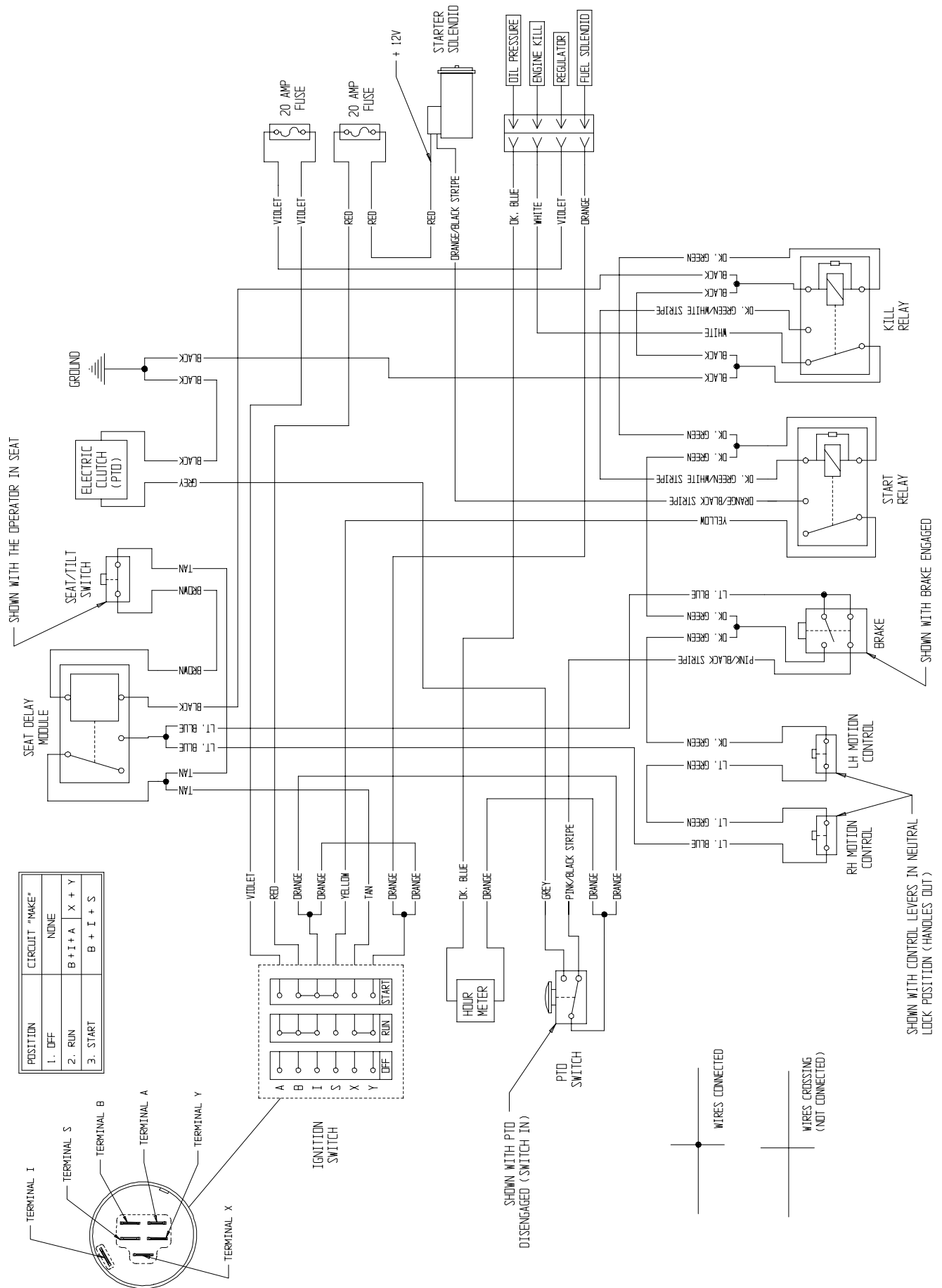
KAWASAKI 27 HP LIQUID-COOLED ELECTRICAL DIAGRAM



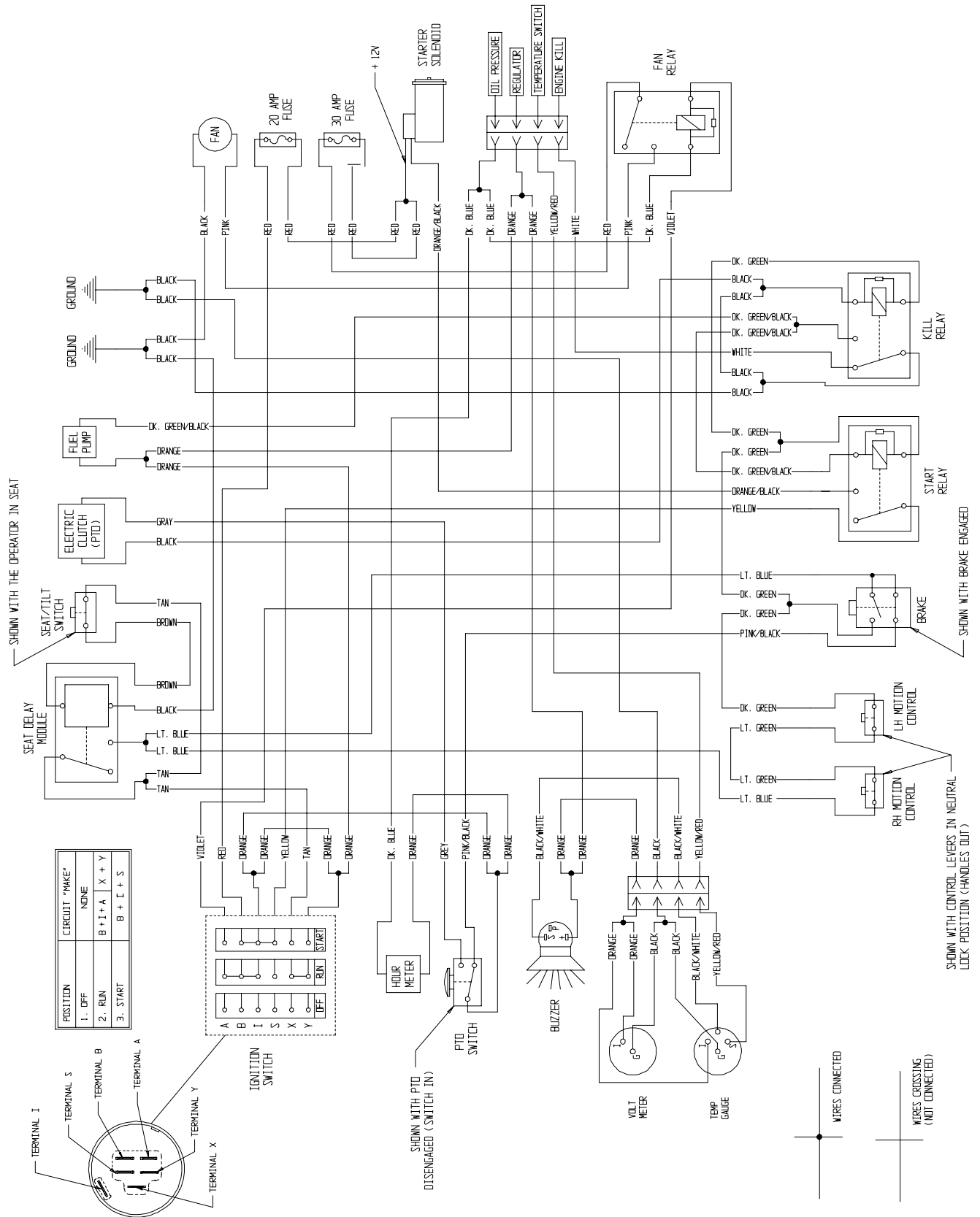
KOHLER 26 HP EFI ELECTRICAL DIAGRAM



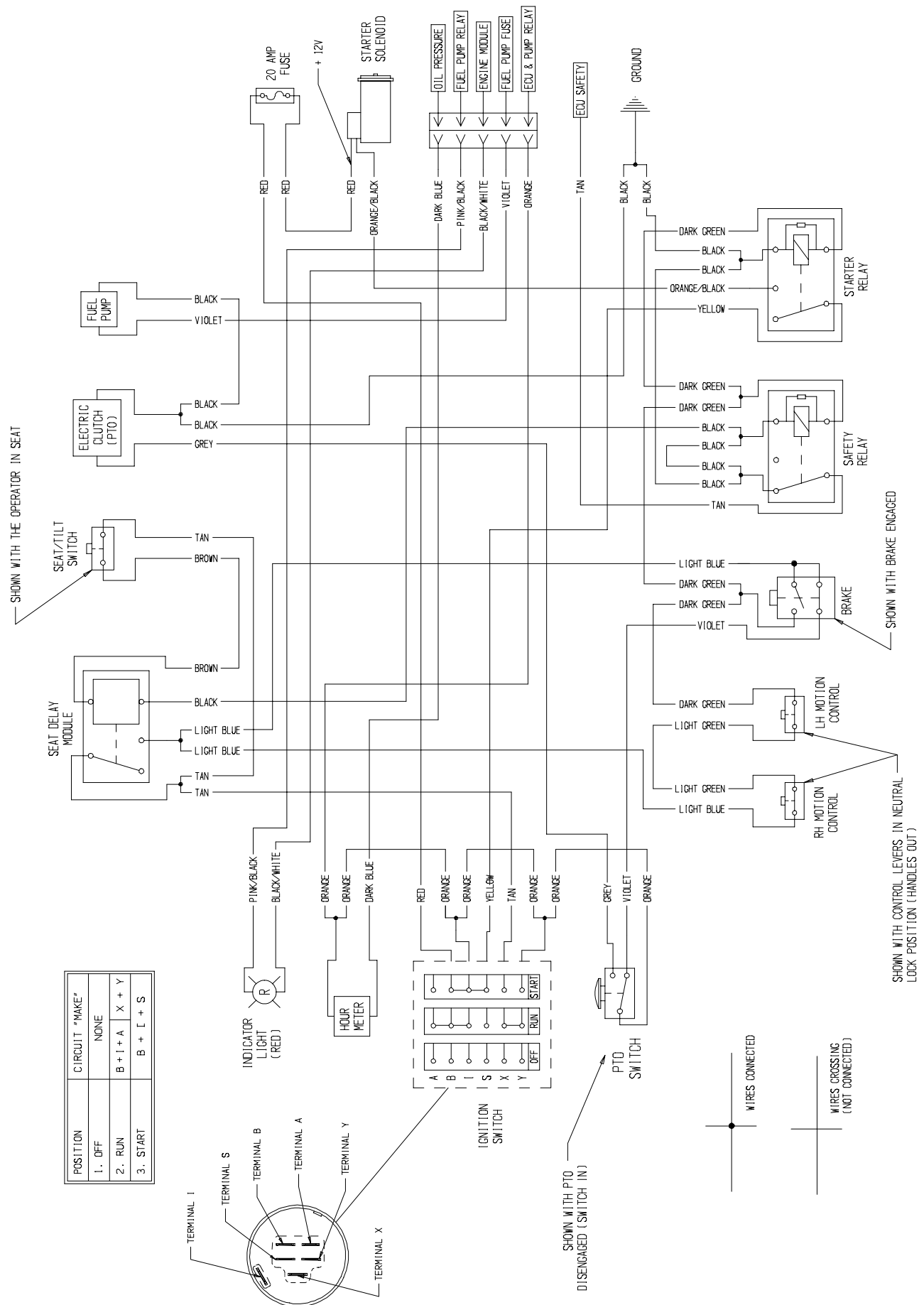
KOHLER 20, 23, & 27 HP AIR-COOLED ELECTRICAL LOGIC SCHEMATIC



KAWASAKI 27 HP LIQUID-COOLED ELECTRICAL LOGIC SCHEMATIC



KOHLER 26 HP EFI ELECTRICAL LOGIC SCHEMATIC



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