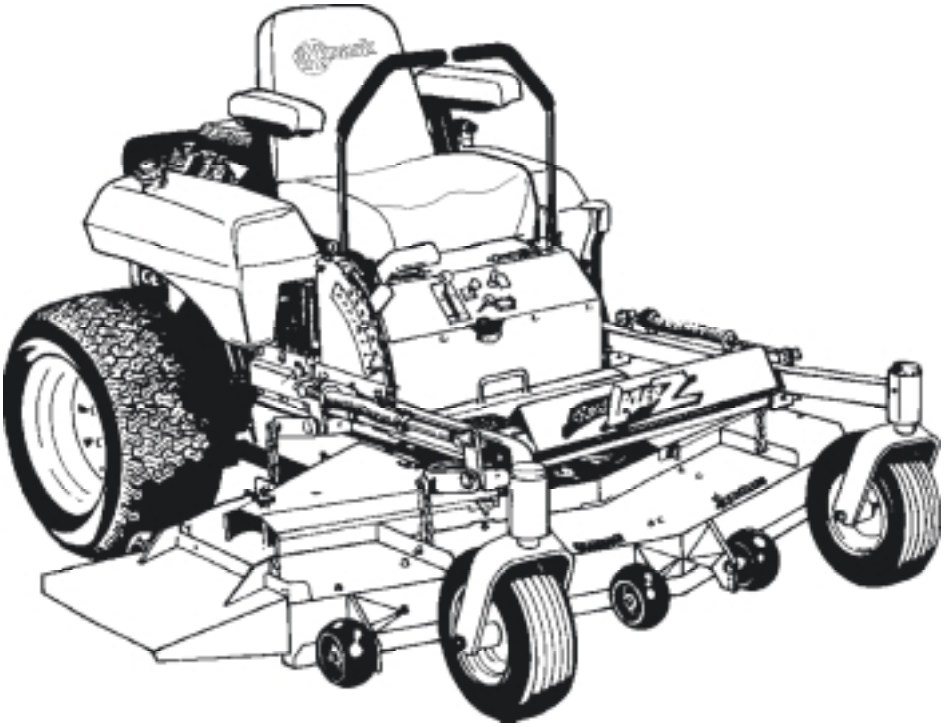
For Serial Nos.
260,000 & Higher

eXmark®
MFG. CO. INC.



PARTS MANUAL

LAZER Z®

CONGRATULATIONS on the purchase of your new Exmark mower. This product has been carefully designed and manufactured to give you a maximum amount of dependability and years of trouble-free operation.

If additional information is needed, or should you require trained mechanic service, contact your authorized Exmark equipment dealer or distributor.

If you need to order replacement parts from your dealer, always give the model number and serial number of your mower as well as the part number, description and quantity of the part needed.

The Serial No. plate is located on the right side of the console.

For ease of ordering and reference, we suggest that you record the information requested in the following identification table.

Model No. _____

Serial No. _____

Engine Model No. _____

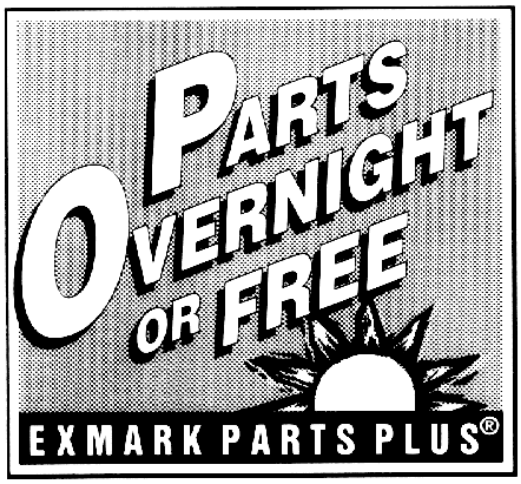
Engine Serial No. _____

Date Purchased _____

Paste Label From
Literature Packet Here

EXMARK PARTS PLUS® PROGRAM

EFFECTIVE DATE: September 1, 1995



Program

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

How the Program Works

1. If dealer does not have part in stock for a "down" unit at the time of request by customer, the dealer contacts his distributor by 1:00 p.m., local time, and requests Exmark Parts Plus® shipment of six (6) line items or less.

2. Distributor ships part(s) to dealer or customer, as requested by dealer, same day, overnight UPS Distributor bills dealer for part and freight charges where applicable.

3. If distributor does not have the part(s) in stock to satisfy Exmark Parts Plus® order, he contacts Exmark by 3:00 p.m., central time, with an Exmark Parts Plus® order of six (6) line items or less.

4. If order is received by 3:00 p.m. central time, Exmark ships part(s) direct to dealer or customer, as requested by distributor, same day, overnight UPS. Exmark bills the distributor for parts and shipping charges, where applicable.

5. The customer pays for the part and freight if it is shipped under the Exmark Parts Plus® and if it arrives in accordance to the program.

6. Who pays for the part and freight if it fails to arrive overnight in accordance to the program?

   A. Under any circumstance the customer does not pay.

   B. If the part does not arrive overnight due to:

      1. The dealer not submitting the Exmark Parts Plus® order to his Exmark distributor by 1:00 p.m., the dealer pays for the part and freight.

      2. The Distributor being unable to ship the part the same day or not submitting the Exmark Parts Plus® order to Exmark by 3:00 p.m., central time, the Distributor pays for the part and freight.

      3. Exmark being unable to ship the part and the Exmark parts order is received by 3:00 p.m., central time, Exmark pays for the part and freight.

      4. If the part does not arrive overnight due to the shipper (UPS), the shipper pays for the freight and Exmark pays for the part.

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

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

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

⚠ WARNING

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

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52" DECK GROUP

Ref. No.	Part No.	Description	Qty. Req'd.
1	103-0332-01	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	3
	1-323533	Spacer, shv/brg	4
4✯	1-513208	Washer, disc spring	3
	1-513208	Washer, disc spring	4
5	1-303334	Washer, 5/16 disc spring	1
6	32128-20	Nut, 5/16-18 whizloc	14
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	12
	3290-357	Nut, 3/8-16 whizlock	8
11	1-373034	Washer, pivot	8
12	1-603602	Bushing, roller	6
13✯	98-5975	Washer, 3/8 disc spring	10
	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	103-0862	Screw, 5/8-11x2 3/4 gr 8	3
22	323-11	Screw, 3/8-16 x 2 1/4	2
23	1-303537	Stud, belt shield	2
24	3256-3	Washer 5/16 std flat	4
25	1-323417	Washer, rubber	2
26	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 nylock	20
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	1-800811	Screw, 7/16-14 x 1-1/2	8
44	322-3	Screw, 5/16-18 x 3/4	2
45Ω✯	1-403087	Sheave, blade drive 6.75 OD	1
46Ω✯	1-633010	Pulley, split sheave 6.30 OD	1
47	30-1710	Setscrew, 5/16-18 x 1sqhdcp	1
48 ✯	1-803022	Setscrew,5/16-18x5/8sqhdcp	2
49✯	1-807264	Key, 1/4 sq x 2 5/8	1
50✯	1-633012	Jackshaft, deck drive	1
51*	103-1140	Cutter housing complete	3
52	323-20	Screw, 3/8-16 x 3 1/4	1
53✯	1-633014-01	Bracket, jackshaft	1
54✯	3230-1	Bolt, 5/16-18 x 3/4 Carr.	6
55✯	1-513013	Housing, flange	4
56✯	1-513012	Bearing w/lock collar & ss	2
57✯	1-633573	Guard, Brg bottom	3
	1-633573	Guard, Brg bottom	4
58✯	3231-22	Bolt, 3/8-16 x 1 carr.	4
59	103-1072-01	Strut wldmt, deck	2
60	1-634619	Housing w/ring, spacer, & brg	3
61	1-633029	Spherical rod end	2
62 ✯	1-803050	Setscrew, 5/16-18 x .75sqhd	1
63	327-11	Screw, 5/8-11 x 5	2
64	3253-8	Lockwasher, 5/8 reg.spring	2
65	302-19	Zerk, 1/4-28 straight	4
66	1-632199-01	Pin wldmt, deck strut	2
67✯	3219-6	Nut, 5/8-18 hex	5
	3219-6	Nut, 5/8-18 hex	6
68	3257-32	Key, # 61 Woodruff	3
69Ω	1-633701	Sheave, blade drive	3
70Ω	1-513016	Bearing	6
	1-513016	Bearing	8
71	1-323532	Housing ,bearing	3
72	1-323528	Spacer, bearing	3
	1-323528	Spacer, bearing	4
73	323-7	Screw, Hex cap 3/8x1 1/4	18
74✯	32120-8	Snap Ring	3
	32120-8	Snap Ring	4
75	103-0584	Spindle	3
76	1-633482	Blade, notched air foil.	3
	1-613251	Blade, solid air foil	3
	1-633485	Blade, low lift	3
✦	1-633484	Blade, mulching	3
	103-1578	Blade, bahia	3
77✯	1-634546	Jackshaft S/A	1
78 ✯	103-1081	Strut wldmt S/A	2
	103-1106	Strut wldmt S/A	2
79	1-643393	Jackshaft	1
80	103-0135	Sheave, Jackshaft	1
	103-0185	Sheave, Jackshaft	1
81	103-0280	Housing, Jackshaft	1
82	103-0698	Jackshaft S/A	1
	103-0699	Jackshaft S/A	1
83	103-0678	Complete deck asy (LZ25KC524)	1
	103-0679	Complete deck asy (LZ23LKA524)	1
84	323-6	Screw, 3/8-16 x 1	4
85	103-1192	Asm,Jackshaft housing w/brgs	1
86	103-0865	Washer,disc spring	3

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

Ω Use antiseize on bore of sheaves and bearings.

* Cutter housing complete includes sheave, washer, and nut.

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

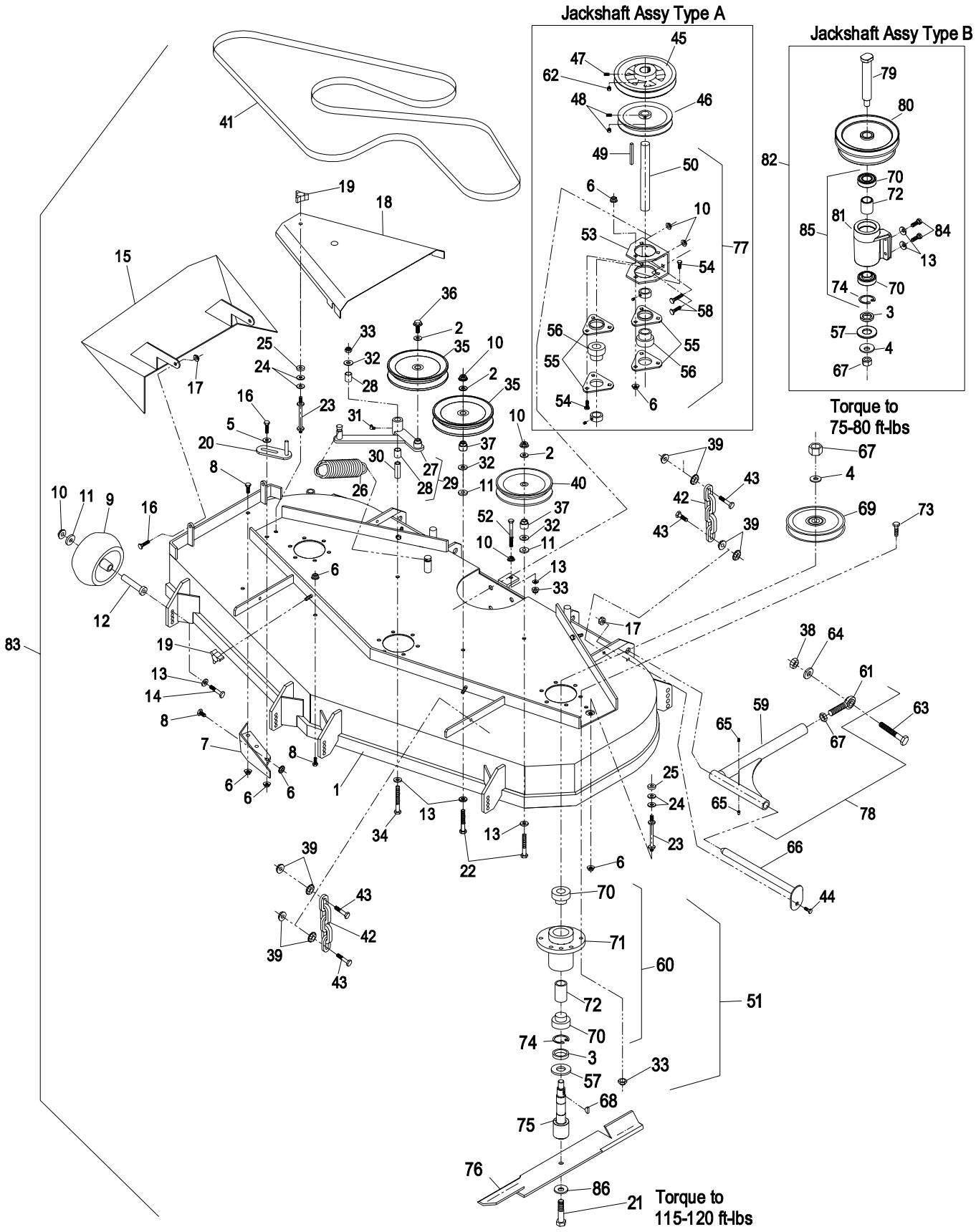
✦ Requires installation of Micro-Mulch accessory for proper mulching. Mulch kit P/N MK524

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"

Reference the picture on the next page to determine if your unit uses Jackshaft Type A or B:

✯ A component used with Jackshaft Type A on LZ25KC524 & LZ23LKA524 units.
A component used with Jackshaft Type B on LZ25KC524 units.
A component used with Jackshaft Type B on LZ23LKA524 units

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	1-634619	Housing w/ring, spacer, brg	3
3	3256-24	Washer, 3/8 SAE	3
4⋆❖	1-513208	Washer, disc Spring	3
	1-513208	Washer, disc Spring	4
5	1-303334	Washer, 5/16 disc spring	1
6	32128-20	Nut, 5/16-18 whizlock	2
⋆❖	32128-20	Nut, 5/16-18 whizlock	14
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	6
⋆❖	3290-357	Nut, 3/8-16 whizlock	10
11	1-373034	Washer, pivot	8
12	1-603602	Bushing, roller	6
13	98-5975	Washer, 3/8 disc spring	10
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 nylock	4
18	1-633084-01	Shield, belt 60”	2
19	1-323385	Knob, belt shield	6
20	1-322110	Belt guide wldmt	1
21	103-0862	Screw, 5/8-11 x 2 ¾ gr 8	3
22	323-11	Screw, 3/8-16 x 2 1/4	2
23	1-303537	Stud, belt shield	2
24	3256-3	Washer 5/16 std flat	6
25	1-323417	Washer, rubber	2
26	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 nylock	20
34	323-13	Screw, 3/8-16 x 2 3/4	1
35	1-633109	Idler pulley 6.00 dia flat	2
36	3234-11	Bolt, 3/8-16 x 1 whizlock	1
37	1-633456	Bushing, Idler	2
38	323-8	Screw, 3/8-16 x 1 ½	18
39	32128-37	Nut, 7/16-14 whizlock	16
40	1-603805	Idler pulley 5.06 O.D. V	1
41	1-633127	Belt, blade drive 60” deck	1
42	1-633447	Chain	4
43	1-800811	Screw, 7/16-14 x 1 ½	8
44	322-3	Screw, 5/16-18 x ¾	2
45★⋆	1-303498	Sheave, 6.13 OD	1
★❖	1-643292	Pulley, split 6.71 OD	1
46★⋆	1-633010	Pulley, split 6.30 OD	1
★❖	1-643292	Pulley, split 6.71 OD	1
47 ⋆❖	30-1710	Setscrew, 5/16-18 x 1sqhdcp	1
48 ⋆❖	1-803022	Setscrew,5/16-18x5/8sqhdcp	2
49⋆❖	1-807264	Key, 1/4 sq x 2 5/8	1
50⋆❖	1-633012	Jackshaft, deck drive	1
51	3217-11	Nut, 5/8-11 hex	2
52	323-20	Screw, 3/8-16 x 3 ¼	1
53⋆❖	1-633014-01	Bracket, jackshaft	1
54⋆❖	3230-1	Bolt, 5/16-18 x 3/4 Carr.	6
55⋆❖	1-513013	Housing, flange	4
56⋆❖	1-513012	Bearing w/lock collar & ss	2
57∗	103-1140	Cutter housing complete	3
58⋆❖	3231-22	Bolt, 3/8-16 x 1 carr	4
59	103-1072-01	Strut wldmt, deck	2
60⋆❖	1-323533	Spacer shv/brg	3
	1-323533	Spacer shv/brg	4
61	1-633029	Spherical rod end	2
62 ⋆❖	1-803050	Setscrew, 5/16 x 3/4sqhdcp	1
63	327-11	Screw, 5/8-11 x 5	2
64	3253-8	Lockwasher, 5/8 reg.spring	2
65	302-19	Zerk, 1/4-28 straight	4
66	1-632199-01	Pin wldmt, deck strut	2
67⋆❖	3219-6	Nut, 5/8-18 hex	5
	3219-6	Nut, 5/8-18 hex	6
68	3257-32	Key, # 61 Woodruff	3
69★	1-633701	Sheave, Blade drive	3
70★⋆❖	1-513016	Bearing	6
★	1-513016	Bearing	8
71	1-323532	Housing, bearing	3
72⋆❖	1-323528	Spacer, bearing	3
	1-323528	Spacer, bearing	4
73⋆❖	1-633573	Guard, brg bottom	3
	1-633573	Guard, brg bottom	4
74⋆❖	32120-8	Snap Ring	3
	32120-8	Snap Ring	4
75	103-0584	Spindle	3
76	1-633483	Blade, notched air foil	3
	1-613250	Blade, solid air foil	3
	1-613111	Blade, low lift	3
❖	1-613112	Blade, mulching	3
	103-1580	Blade, bahia	3
77⋆❖	1-634546	Jackshaft S/A	1
78∇⋆	103-1081	Strut wldmt S/A	2
∇❖	103-1106	Strut wldmt S/A	2
79	103-0280	Housing, Jackshaft	1
80	103-0136	Sheave, Jackshaft Double	1
	103-0137	Sheave, Jackshaft Double	1
81⋆❖	1-643393	Jackshaft	1
82	103-0700	Jackshaft Assy	1
	103-0701	Jackshaft Assy	1
83	103-0680	Complete Deck Assy (Air-cooled except 26HP Koh EFi)	1
	103-0681	Complete Deck Assy (23 & 27 HP Kaw liq-cooled & 26 HP Koh EFI)	1
84	322-6	Screw. 5/16-18 x 1 ¼	1
85	323-6	Screw. 3/8-16 x 1	4
86	103-1192	Asm,Jackshaft housing w/brgs	1
87	103-0865	Washer,disc spring	3

★ Use antiseize on bore of sheaves and bearings.

∗ Cutter housing complete includes sheave, washer, & nut.

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

∇ 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”

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

Use Pro-lock Nut Type (P/N 1-840022) on setscrews.

Reference the picture on the next page to determine if your unit uses Jackshaft Type A or B:

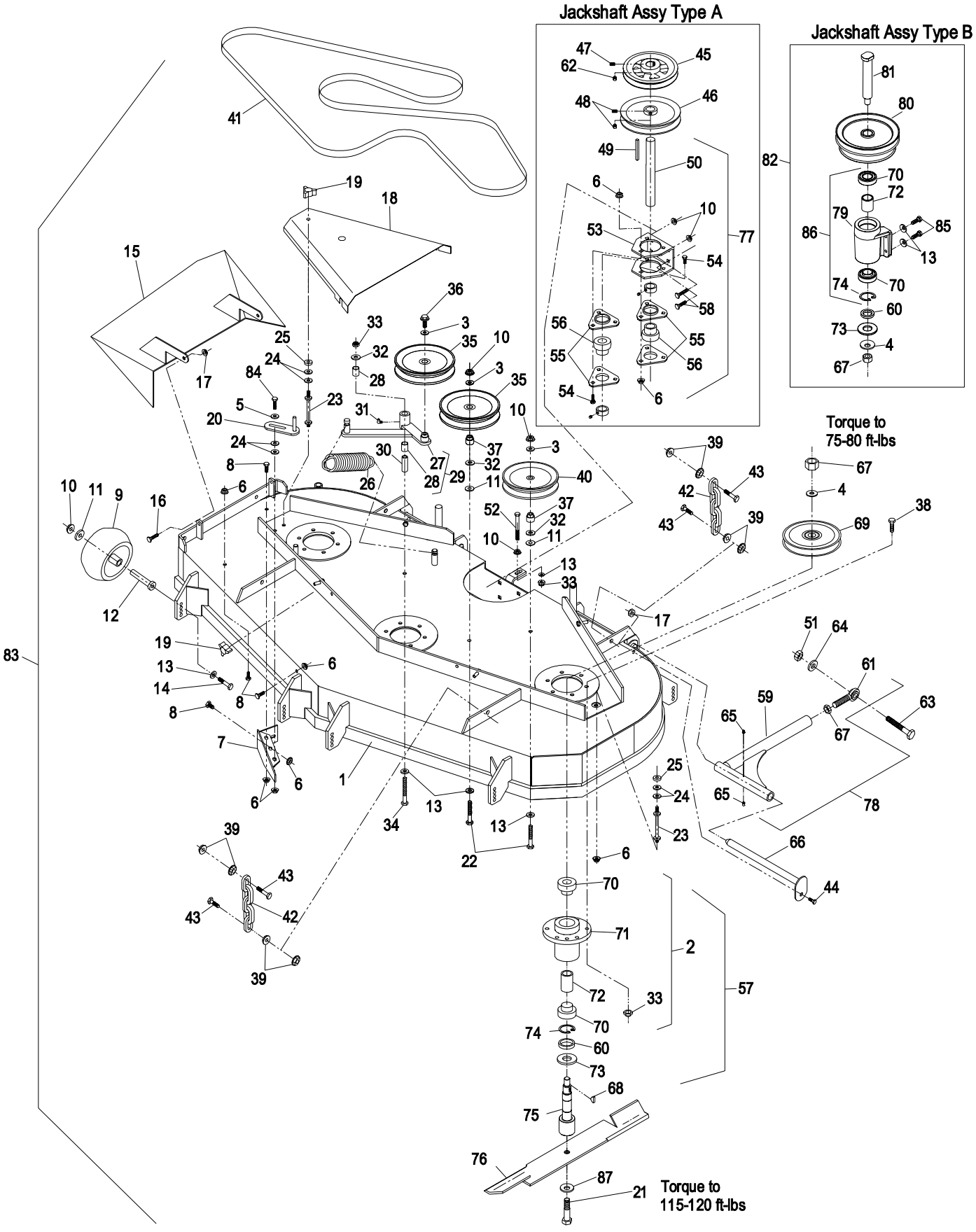
⋆ A component used with Jackshaft Type A on all air-cooled units except 26 HP Kohler EFI.

❖ A component used with Jackshaft Type A on 23 & 27HP Kawasaki liquid-cooled units and 26HP Kohler EFI air cooled.

A component used with Jackshaft Type B on all air-cooled units except 26 HP Kohler. Reference picture on next page.

A component used with Jackshaft Type B on 23 & 27 HP Kawasaki liquid-cooled units and 26 HP Kohler EFI air-cooled.

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	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	13
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	5
	3219-6	Nut, 5/8-18 hex	6
18☆	1-513208	Washer, disc spring	3
	1-513208	Washer, disc spring	4
19⑨	1-643269	Sheave, Blade drive.	3
20	1-643292	Pulley, split 6.71	2
21	1-303334	Washer, 5/16 disc spring	1
22☆	1-633012	Jackshaft, deck drive	1
23☆	1-807264	Key, 1/4 sq x 2 5/8	1
24	1-322110	Belt guide wldmt	1
25	1-634244	Arm wldmt/brg sub-assy	1
26 ☆	1-803022	Setscrew,5/16-18x5/8shcp	4
27☆	32128-20	Nut, 5/16-18 whizlock	15
28☆	3231-22	Bolt, 3/8-16 x 1 carr	4
29☆	3230-1	Bolt, 5/16-18 x 3/4 Carr.	6
30☆	1-633014-01	Bracket, jackshaft	1
31☆	1-513013	Housing, flange	4
32☆	1-513012	Bearing w/lock collar & ss	2
33☆	98-5975	Washer, 3/8 disc spring	10
	98-5975	Washer, 3/8 disc spring	14
34	32128-37	Nut, 7/16-14 whizlock	16
35	1-800811	Screw, 7/16-14 x 1-1/2	8
36	1-633447	Chain	4
37	3217-11	Nut, 5/8-11 hex	2
38	3253-8	Lockwasher, 5/8 reg.spring	2
39	1-633029	Spherical rod end	2
40	327-11	Screw, 5/8-11 x 5	2
41	103-1073-01	Strut wldmt, deck	2
42	1-632199-01	Pin wldmt, deck strut	2
43	302-19	Zerk, 1/4-28 straight	4
44	323-8	Screw, 3/8-16 x 1 ½	18
45	1-323417	Washer, rubber	2
46	3256-3	Washer 5/16 std flat	4
47	1-303537	Stud, belt shield	2
48	103-0588-01	Deck weldment, 72”	1
	1-644149	Deck weldment, 72” w/decals	1
49⑨	1-513016	Bearing	6
	1-513016	Bearing	8
50	1-323532	Housing, bearing	3
51☆	1-323528	Spacer, bearing	3
	1-323528	Spacer, bearing	4
52☆	32120-8	Snap Ring	3
	32120-8	Snap Ring	4
53☆	1-323533	Spacer shv/brg	3
	1-323533	Spacer shv/brg	4
54☆	1-633573	Guard, brg bottom	3
	1-633573	Guard, brg bottom	4
55	103-0584	Spindle	3
56	3257-32	Key, # 61 Woodruff	3
57	1-643006	Blade, notched air foil	3
♦	1-643097	Blade, mulching	3
	1-643428	Blade, low lift	3
	1-643429	Blade, solid air foil	3
	103-1581	Blade, bahia	3
58	103-0862	Screw, 5/8-11 x 1 gr 8	3
59	323-11	Screw, 3/8-16 x 2 1/4	2
60	323-13	Screw, 3/8-16 x 2 3/4	1
61	1-602913-01	Baffle wldmt, discharge	1
62	322-2	Screw, 5/16-18 x 5/8	5
63	98-5961	Screw, 3/8-16 x 4 gr8	6
64	1-603602	Bushing, roller	6
65	1-603299	Roller, anti-scalp	6
66	322-5	Screw, 5/16-18 x 1	5
67	1-642071-01	Chute, discharge 72”	1
68	329-29	Nut, 5/16-18 nyloc	4
69	302-40	Zerk, 1/4-20 90°.	1
70	1-603805	Idler pulley 5.06 O.D. V	1
71	1-634619	Housing w/ring, spacer, brg	3
72*	1-644092	Cutter housing complete	3
73	103-1082	Strut wldmt S/A	2
74	1-634546	Jackshaft S/A	1
75	103-0701	Jackshaft Assy	1
76	1-643393	Jackshaft	1
77	103-0137	Sheave, double	1
78	103-0280	Housing, Jackshaft	1
79	103-0683	Complete deck assembly	1
80	323-6	Screw, .3/8-16 x 1	4
81	103-1192	Asm,Jackshaft housing w/brgs	1
82	103-0865	Washer,disc spring	3

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

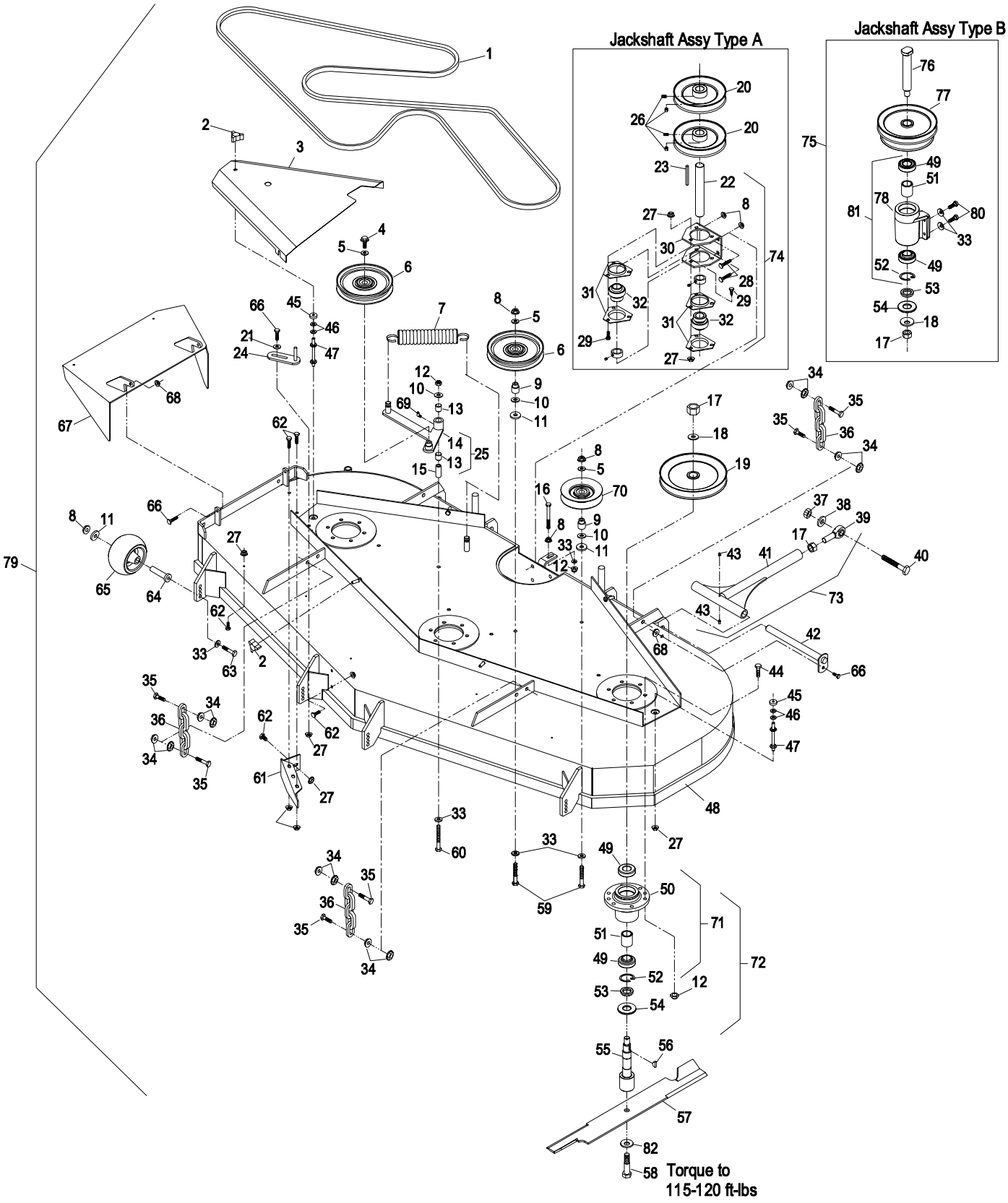
⑨ Use antiseize on bore of sheaves and bearings.
Use Pro-lock Nut Type (P/N 1-840022 .5 ml. tube) on setscrews.
Exmark red touch up spray paint - P/N 1-850337

* Cutter housing complete includes sheave, washer, and nut.

Reference the picture on the next page to determine if your unit uses Jackshaft Type A or B:

☆ A component used with Jackshaft Type A.
A component used with Jackshaft Type B.

72” DECK GROUP



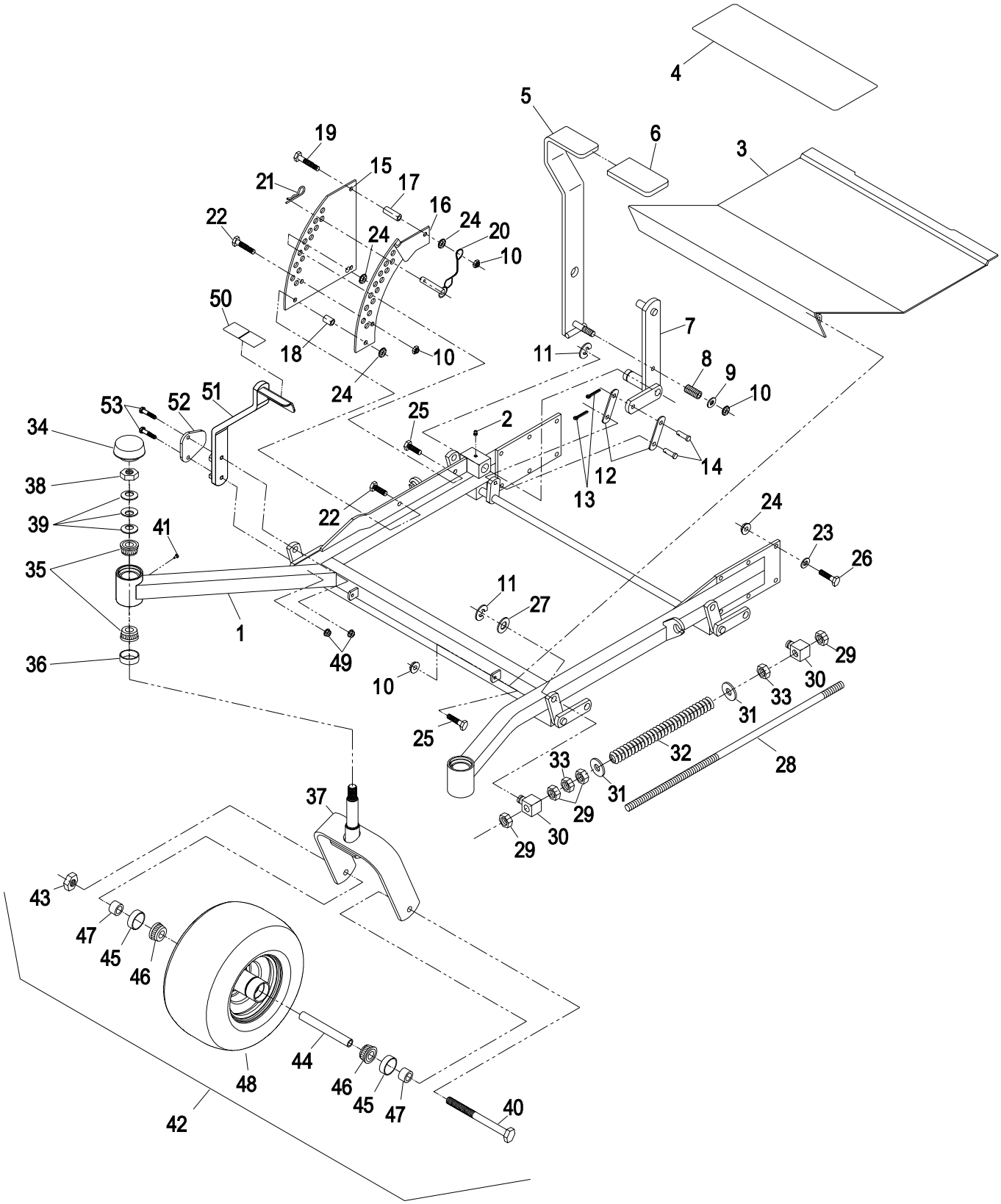
FRONT FRAME GROUP

Ref. No.	Part No.	Description	Qty. Req'd.
1	1-632518-01	Frame wldmt, front 52”	1
	1-632513-01	Frame wldmt, front 60”	1
	1-642046-01	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	1-634312	Lever w/grip	1
	1-632324-03	Lever wldmt, lift	1
6	1-633295	Grip, lift lever	1
7	103-1500-03	Arm wldmt, deck lift	1
8	1-633325	Spring, compression	1
9	3256-24	Washer, 3/8 SAE flat	1
10	3296-39	Nut, nylock 3/8-16	5
11	32151-103	E-ring	5
12	1-633068	Arm, deck lift	2
13	3272-10	Cotter pin, 1/8 x 3/4	2
14	1-808284	Clevis pin, 3/8 x 1	2
15	1-633889-01	Plate, deck lift	1
16	1-632899-01	Plate wldmt, deck lift	1
17	1-633082	Bushing, lift lever	1
18	1-633080	Bushing, lift lever	1
19	323-13	Screw, 3/8-16 x 2 3/4	1
20	1-633097	Hitch pin w/lanyard	1
21	1-806005	Hairpin cotter (serv only)	1
22	323-9	Screw, 3/8-16 x 1 3/4	2
23	98-5975	Washer, 3/8 disc spring	12
24	3290-357	Nut, whizlock 3/8-16	15
25	323-6	Screw, 3/8-16 x 1	3
26	323-7	Screw, 3/8-16X1 1/4	12
27	3256-29	Washer, 7/8 SAE flat	4
28	1-633096	Rod, deck lift	2
29	3217-11	Nut, 5/8-11 regular	8
30	1-633441	Swivel, deck mount	4
31	3256-7	Washer, 5/8 std flat	4
32	1-633064	Spring, deck support (52” &60”)	2
	1-643015	Spring, deck support (72”)	2
33	3218-6	Jam nut, 5/8-11	4
34	1-543513	Cap, grease	2
35	1-543509	Bearing cone, tapered roller	4
	1-543508	Bearing cup, tapered roller	4
36	1-543511	Seal, grease	2
37	1-642111-01	Caster wldmt	2
38	3296-51	Nut, 3/4-10 nylock	2
39	1-633508	Washer, spring disk	6
40	325-24	Screw, ½-13x9	2
41	1-811010	Plug	2
42	103-0069	Caster wheel assy	2
43	3296-45	Nut, 1/2-13 nylock (light thin)	2
44	1-633959	Spacer, front caster	2
45	103-0063	Seal, bearing	4
46	1-633585	Bearing cone	4
47	1-633581	Spacer, bearing	4
48	103-0065	Wheel & tire assy	2
	1-523009	Tire, 13x6.5-6 4 ply	2
	103-0071	Wheel	2
	1-633584	Bearing cup	4
49∇	32128-20	Nut, whizlock 5/16-18	2
50∇	1-543161	Pad, pedal	2
51∇	103-0147-01	Lever wldmt, deck lift	1
52∇	1-643220	Strap	1
53∇	322-7	Screw, 5/16-18x1 1/2	2

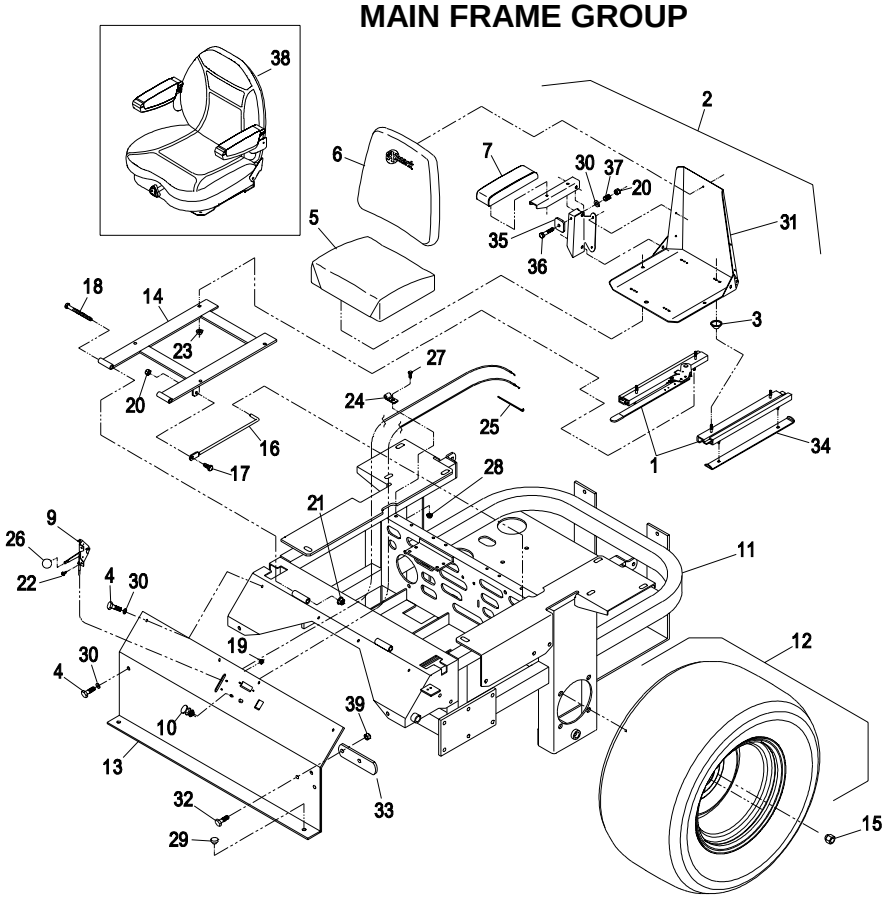
Exmark red touch up spray paint - P/N 850337

∇ Components are standard on Kohler 26 HP EFI units & all 72” decks, they are an optional kit for other models PN 103-0149.

FRONT FRAME GROUP



MAIN FRAME GROUP



Ref. No.	Part No.	Description	Qty. Req'd.
1	1-643255	Track, seat (4" adjustable) ...	1
2	103-0287	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	1-642324-03	Frame, engine deck	1
12	1-633970	Wheel/tire assy. (60" & 72") .	2
	1-633993	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

Ref. No.	Part No.	Description	Qty. Req'd.
23	32128-20	Nut, whizlock 5/16-18	4
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	8
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/hardwre...	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

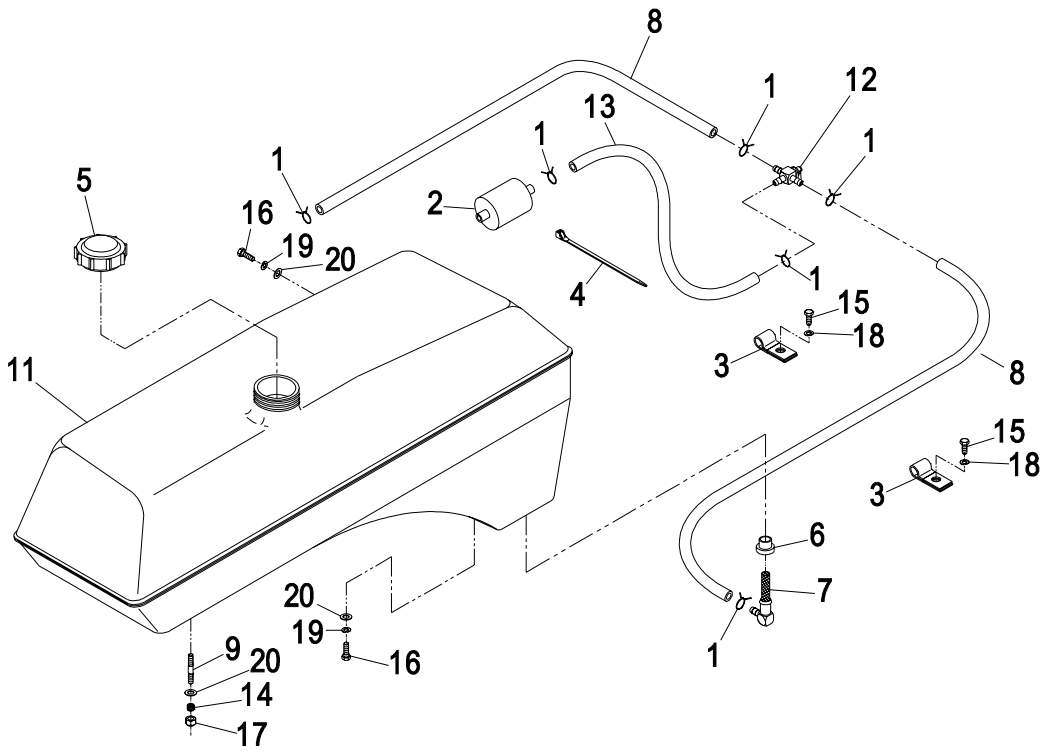
* Not Illustrated

∇ 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

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



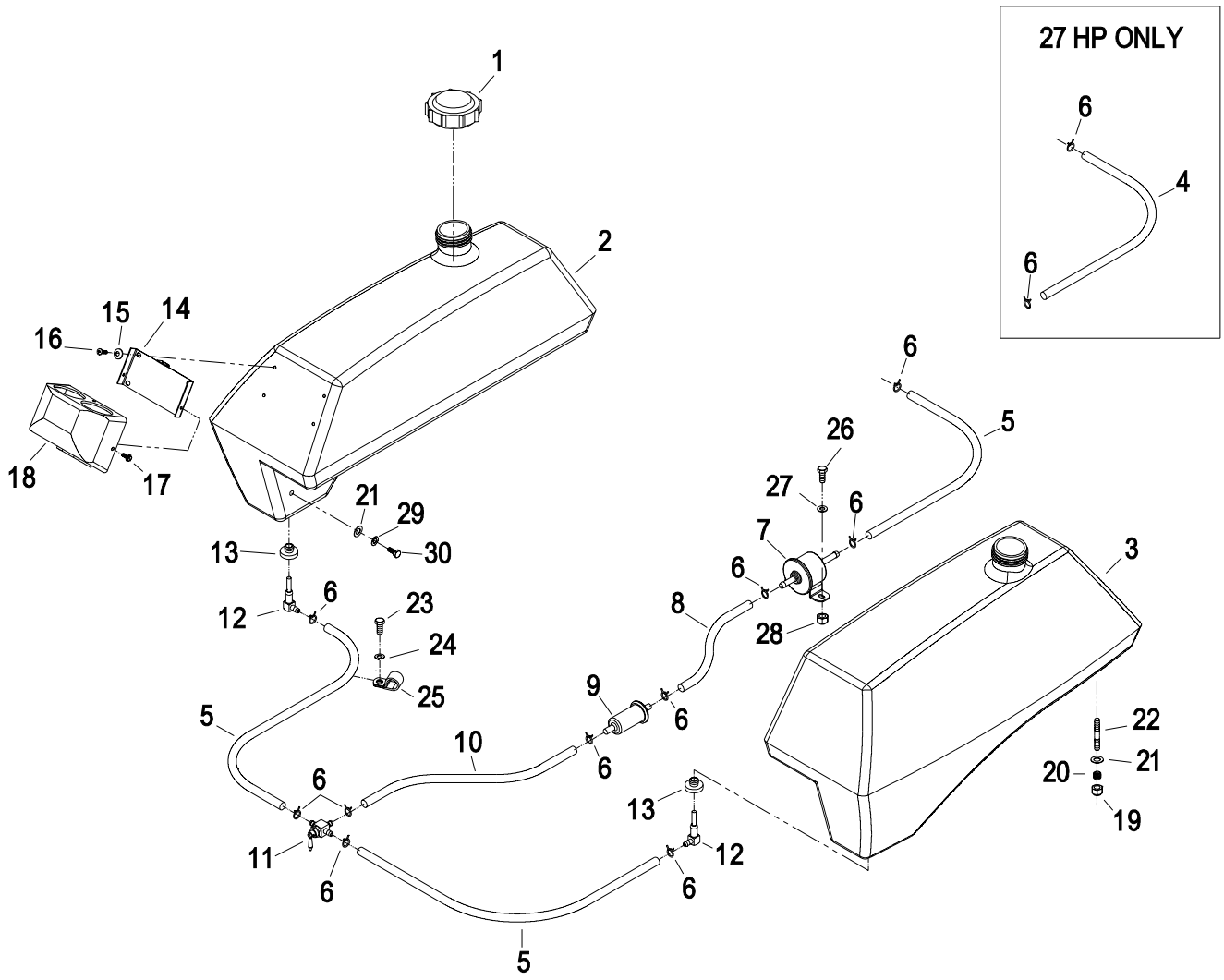
Ref. No.	Part No.	Description	Qty. Req'd.	Ref. No.	Part No.	Description	Qty. Req'd.
1	303077	Clamp, fuel line	6	11	633968	Tank, fuel (RH)	1
2⌑	**Kohler**	Part No. 2405002 Fuel Filter	1	12	633347	Valve, fuel	1
⌑	**Kawasaki**	Part No. 49019-7001 Fuel Filter	1	13	633348	Fuel line	1
3	513762	Clip, loom .50	2	14	633349	Spring, fuel tank	6
4	303335	Plastic tie (large)	1	15	321-3	Screw, 1/4-20 x 5/8	2
5	513508	Cap, fuel tank	2	16	322-3	Screw, 5/16-18 x 3/4	4
6	513645	Bushing	2	17	3296-47	Nut, thin nylock 5/16-18	6
7	543277	Elbow, strainer	2	18	805004	Washer, lock 1/4	2
8	543456	Fuel line	2	19	805005	Washer, lock 5/16	4
9◆	633023	Stud, fuel tank	6	20	3256-23	Washer, 5/16 SAE	10
10∗	633967	Tank, fuel (LH)	1				

◆ Use Prolock, 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).

KAWASAKI LIQUID-COOLED FUEL GROUP

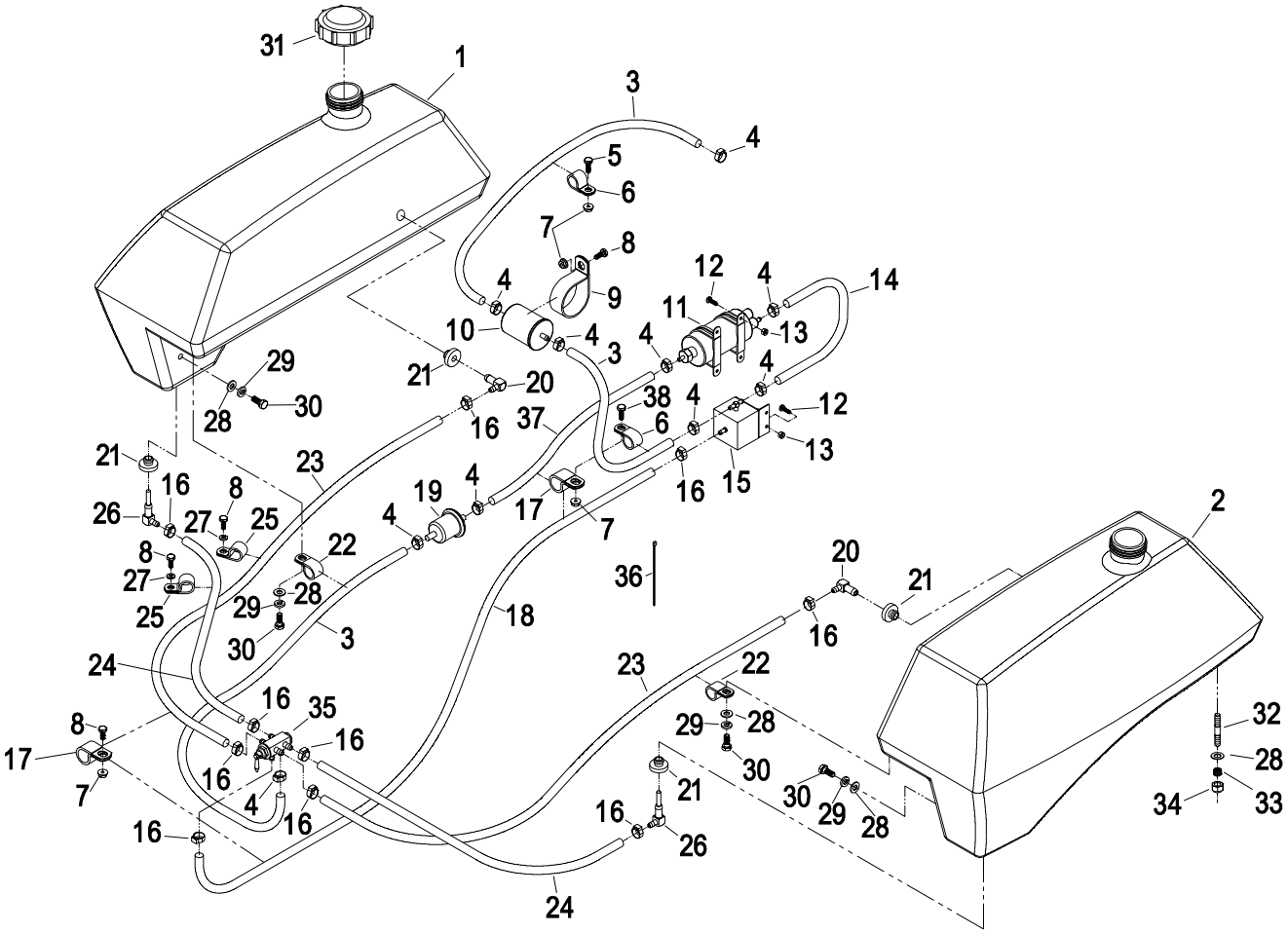


Ref. No.	Part No.	Description	Qty. Req'd.
1	1-513508	Cap, fuel tank	2
2	1-643017	Tank, fuel (RH)	1
3	1-633967	Tank, fuel (LH)	1
4	103-1335	Fuel, line (27 HP only)	4
5	1-543456	Fuel line (23 HP)	3
	1-543456	Fuel line (27 HP)	2
6	1-303077	Clamp, fuel line	10
7⌑	**Kawasaki** P/N 49040-2065 Fuel Pump		1
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	1-543277	Elbow, strainer	2
13	1-513645	Bushing	2
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	322-3	Screw, 5/16-18 x 3/4	4

◆ 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.

KOHLER 26 HP EFI FUEL GROUP



Ref. No.	Part No.	Description	Qty. Req'd.
1	1-643244	Tank, EFI Fuel (RH)	1
2	1-643243	Tank, EFI Fuel (LH)	1
3	1-643238	Fuel line, .31 x 24”	3
4▲	1-643277	Clamp, .31 I.D. Fuel Hose	10
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	1-643236	Fuel Line, .31 x 9	1
15⌑	**Kohler** P/N	24 403 12 Fuel Regulator	1
16▲	1-643293	Clamp, .25”	10
17	1-643312	Clip, loom	2
18	1-643235	Fuel line, .25 x 40”.	1
19	99-9403	Fuel Filter	1
20	1-643172	Elbow, 90°	2
21	1-513645	Bushing, Fuel Valve	4
22	103-0373	Clip, Loom	2
23	1-633348	Fuel Line	2
24	1-543456	Fuel Line	2
25	1-513762	Clip, loom .50	2
26	1-543277	Elbow, 90° w/strainer	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	1-513508	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

◆ 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.

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❖	1-632714-03	Bracket,brake (LH)(52”&60”)	1
❖	1-632712-03	Bracket, brake (LH) (72”)	1
7♦❖	1-632715-03	Bracket,brake (RH)(52”&60”)	1
❖	1-632713-03	Bracket, brake (RH)(72”)	1
8	1-809036	Nut, slotted 1.00-20	2
9❖	1-633693	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❖	1-634927	Hub & drum w/studs, wheel	2
♦	1-633926	Studs, wheel	8
16	1-807020	Woodruff key, 5/16X1	2
17	1-633268	Grip, brake lever	1
18	323-4	Screw, 3/8-16 x 3/4	4

Ref. No.	Part No.	Description	Qty. Req'd.
19	1-808285	Pin, clevis 3/8 x 1 1/8	4
20	325-17	Screw, 1/2-13 x 4 (52”&60”)	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 1/2-13 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 1/2	8
26	3256-4	Washer, 3/8 std	4
27❖	3272-10	Pin, cotter 1/8 x 3/4	9
28	1-806800	Pin, cotter 9/64 x 1 1/2	2
29❖	1-808283	Pin, clevis 3/8 x 2	2
30❖	3256-28	Washer, 3/4 SAE	2
31❖	32151-48	E-Ring, retaining	2
32	1-523157	Washer, spacer	2
33☆	103-0352-03	Bracket, brake (52”& 60”)	2
☆	103-0354-03	Bracket, brake (72”)	2
34☆	103-0384	Spacer	6
35☆	103-0355	Band, Brake	2
36☆	103-0374	Retainer, Brake Band	2
37☆	322-9	Screw, HH .312-18x1.75	6
38☆	103-0590	Hub & drum w/studs, wheel	2
♦	1-633926	Studs, wheel	8

♦ Not Illustrated

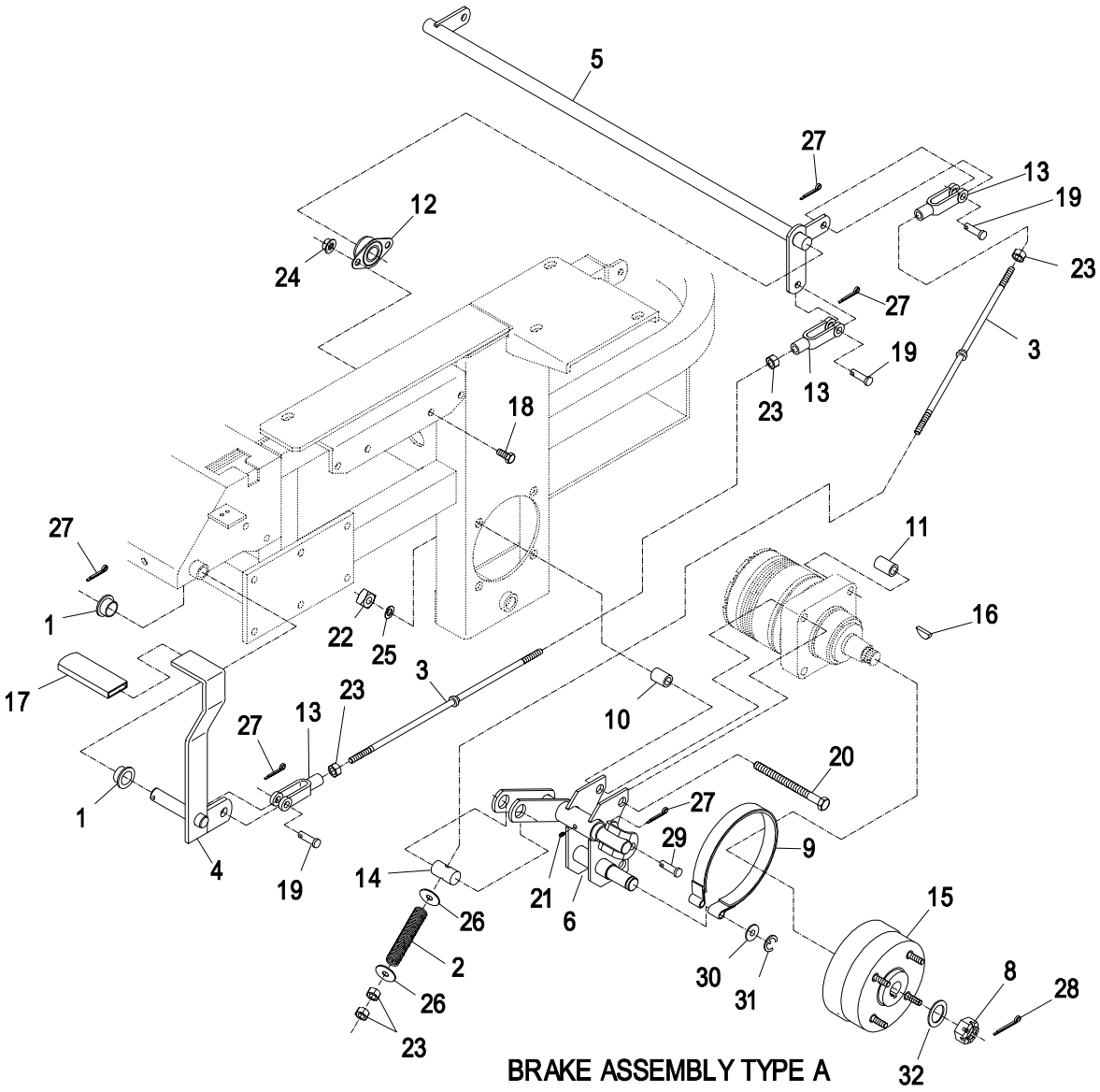
Reference the picture on the next page to determine if your unit uses Park Brake Type A or B:

❖ A Component used with Park Brake Type A.

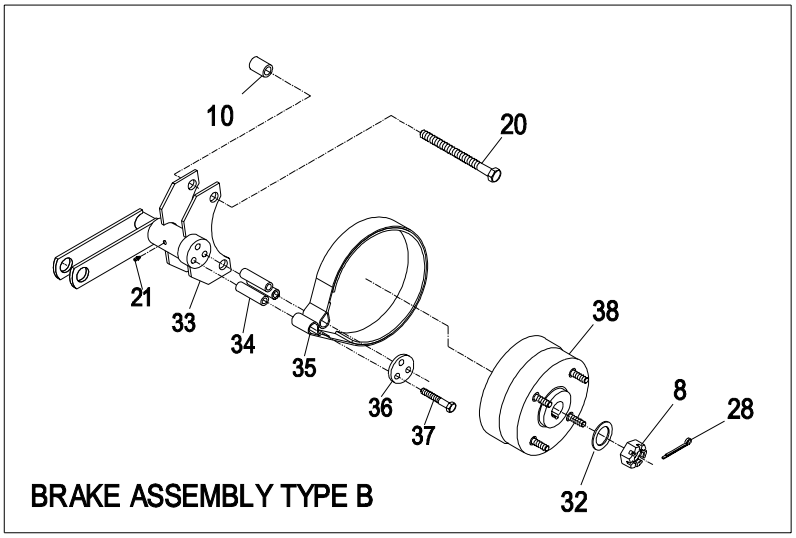
☆ A Component used with Park Brake Type B.

Exmark black touch up spray paint - gloss black

PARK BRAKE GROUP

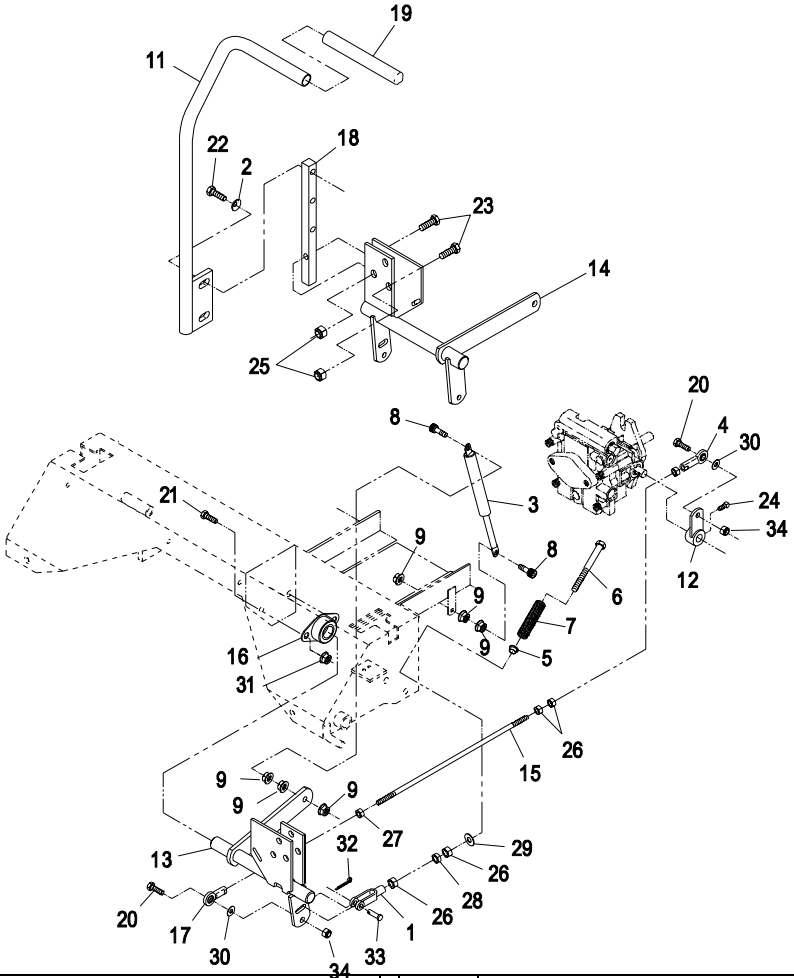


BRAKE ASSEMBLY TYPE A



BRAKE ASSEMBLY TYPE B

MOTION CONTROL LEVERS



Ref. No.	Part No.	Description	Qty. Req'd.	Ref. No.	Part No.	Description	Qty. Req'd.
1	1-303105	Yoke	2	16	1-633102	Bearing, flanged	4
2	98-5975	Washer, disc spring 3/8	4	17	1-633152	Ball joint (LH)	2
3	1-523027	Damper	2	18φ	103-0407	Arm, control shaft	2
4	1-543017	Ball joint (RH)	2		1-633177	Arm, control shaft	2
5	1-603735	Bushing,nylon (reverse ind)	2	19	1-633257	Grip, motion control handle	2
6	1-603737	Bolt, (neutral return)	2	20	322-6	Screw, 5/16-18 x 1 1/4	4
7	1-603807	Spring, (neutral return)	2	21	323-4	Screw, 3/8-16 x 3/4	8
8	1-403180	Screw, 5/16-18x1 3/8 special	4	22	323-7	Screw, 3/8-16 x 1	4
9	32128-20	Nut, whizlock 5/16-18	12	23	323-9	Screw, 3/8-16 x 1 3/4	6
10∗φ	103-0631	Handle w/grip (LH)	1	24	1-803022	Set screw, 5/16 x 5/8	2
	1-634258	Handle w/grip (LH)	1	25	3296-39	Nut, nyloc 3/8-16	6
φ	103-0409-03	Handle, motion control (LH)	1	26	3219-2	Nut, 5/16-24	10
	1-632191-03	Handle, motion control (LH)	1	27	1-804524	Nut, 5/16-24 (LH)	2
11φ	103-0632	Handle w/grip (RH)	1	28	3220-2	Nut, jam 5/16-24	2
	1-634259	Handle w/grip (RH)	1	29	3256-2	Washer, 1/4	2
φ	103-0410-03	Handle, motion control (RH)	1	30	3256-3	Washer, 5/16 std	4
	1-632193-03	Handle, motion control (RH)	1	31	3290-357	Nut, whizlock 3/8-16	8
12	1-632208-03	Arm, pump control	2	32	3272-5	Pin, cotter 3/32 x 1/2	2
13	1-642319	Bracket, motion control (LH)	1	33	1-808280	Pin, clevis 5/16 x 1	2
14	1-642320	Bracket, motion control (RH)	1	34	3296-29	Nut, nyloc 5/16-18	4
15	1-633153	Link, pump control	2				

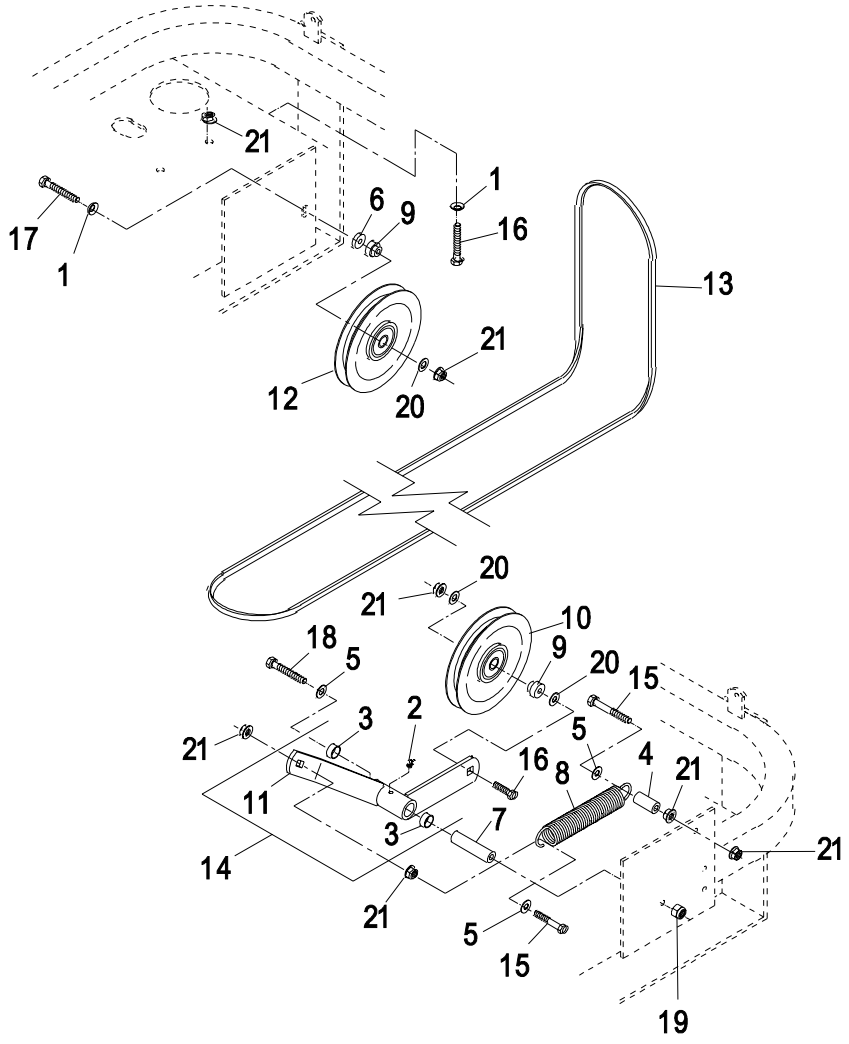
∗ Not Illustrated. Exmark black touch up spray paint - gloss black

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

Components required for units with older motion control assemblies (Identified by 2 holes in upper portion of motion control shaft (item 18)

φ Components required for units with newer motion control assemblies (Identified by 3 holes in upper portion of motion control shaft (item 18)

COMMON ENGINE DECK GROUP



Ref. No.	.Part No.	Description	Qty. Req'd.
1	98-5975	Washer, spring disc 3/8	5
2	302-40	Zerk, 1/4-20 (90º)	1
3	1-513034	Bearing	2
4	1-603401	Spacer, spring	1
5	3256-4	Washer, 3/8	3
6	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

Ref. No.	Part No.	Description	Qty. Req'd.
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 (Koh)	5
	323-9	Screw, 3/8-16 x 1 3/4 (Kaw)	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	10

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	1
2	1-303335	Plastic tie	1
3	1-523420	Bumper, rubber	2
4	322-6	Screw, Cap 5/16x1 ¼ (Warner)	1
5	1-633630	Grommet (all clutches)	2
6	1-603610	Wshr, 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 (23HP)	1
	103-0665	Clutch w/tie (25&26HP)	1
10	1-633453	Spacer (23 HP)	1
	1-633179	Spacer (25 & 26 HP)	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 (Warner)	1
22	321-4	Screw, 1/4-20 x ¾	10
23	1-613235	Washer (Warner)	4
	1-613235	Washer (25 hp 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(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,whzlck 5/16-18 (Warner)	1
32	3290-357	Nut, whzlck 3/8-16	8
	3290-357	Nut, whzlck 3/8-16 (26hp Koh)	9
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 (23 hp & 25 hp Koh)	2
	32144-57	Screw, 5/16-18x1.75 (23 hp Kaw & 26 hp Koh)	2
36	1-323235	Washer, disc spring (23 hp & 25 hp Koh only)	2
37	1-323236	Spacer	2
38	1-633545	Spacer, Grommet (all clutches)	2
39	1-633988	Spacer, clutch anchor (Warner).	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∇	1-543232	Nipple, pipe 3/8 NPT (Koh)	1
43∇	1-303428	Elbow, 3/8 NPT (Koh)	1
44	322-14	Screw, 5/16-18 x 3.0 (Ogura)	1
45	1-633082	Spacer, clutch anchor (Ogura)	1
46	322-7	Screw, 5/16-18 ½ (Ogura)	1
47	1-643179	Spacer, clutch (Ogura)	1
48	1-641212	Clutch w/tie (Ogura)	1
49	1-643180	Keeper, clutch (Ogura)	1
50	1-807261	Key, ¼ x ¼ x 2.0 (Ogura)	1
51*	103-1594	Muffler,kit 26hp EFI Kohler	1
	103-1595	Muffler,kit 23hp Kaw	1
52	9266934	Screw, 5/16-18x.5 (23 hp Kaw & 26 hp Koh)	2
53	324-2	Screw, 7/16-14x.75 g5 (23 hp Kaw & 26 hp Koh)	2
54	3253-6	Washer, Lock 7/16 (23 hp Kaw & 26 hp Koh)	2
55	33014-00	Nut, Hex M8 1.25 (23 hp Kaw & 26 hp Koh)	4
56	1-805005	Washer, Lock 5/16hvy (23 hp Kaw & 26 hp Koh)	4
57⑨	103-0152	Keeper, Clutch	1
58	1-653291	Gasket (Koh)	2
	1-653313	Gasket (Kaw)	2
59	103-1513	Arrester,Spark (1.25) (26 hp Koh EFI & 23 hp Kaw)	1
60	103-1514	Clamp,Muffler (1.38) (26 hp Koh EFI & 23 hp Kaw)	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 23 & 25 HP Kohler units comes with the engine.
⑨ For 23 HP Kawasaki air-cooled units only
Exmark black touch up spray paint - gloss black

Kohler Replacement Parts List

(Refer to Engine Owner's Manual)

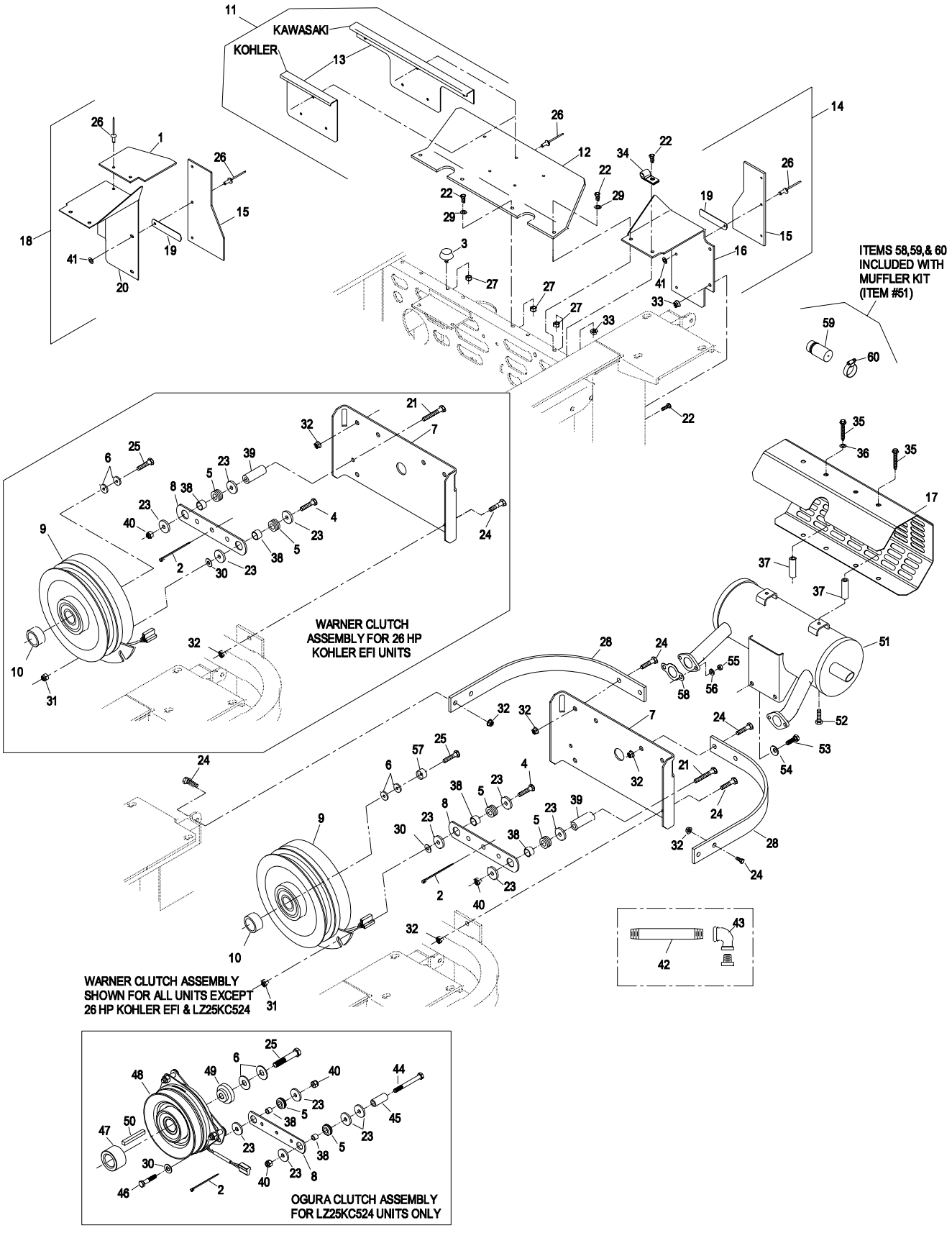
Description	Kohler Part No.
Engine Oil Filter	5205002
Air Precleaner	(23hp Engine) 2408302
	(For 25hp Engine) 2408305
Air Filter	(For 23hp Engine) 4708303
	(For 25hp Engine) 2408303
	(For 26hp EFI Engine) 2508301
Safety Filter	(For 26hp EFI Engine) 2508304

Kawasaki Replacement Parts List

(Refer to Engine Owner's Manual)

Description	Kawasaki Part No.
Engine Oil Filter	49065-2078
Air Filter	11029-7002

AIR-COOLED ENGINE DECK GROUP



KAWASAKI LIQUID-COOLED ENGINE DECK GROUP

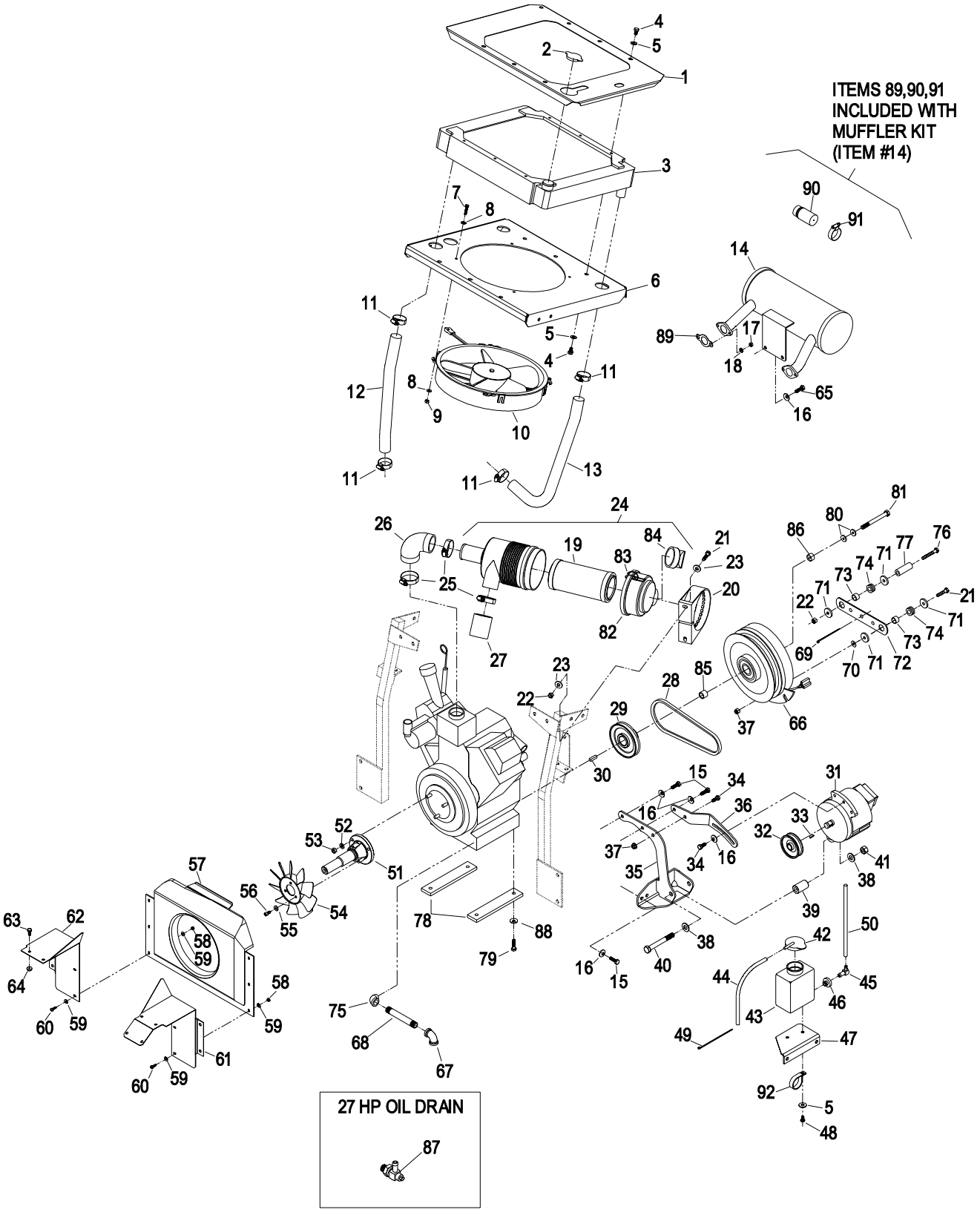
Ref No.	Part No.	Description	Qty. Req'd.
1	1-633902-03	Plate, Radiator Trim Face.	1
2	1-643161	Cap, Radiator	1
3	1-633829	Radiator, Horiz. Mount(23 hp)	1
	103-1046	Radiator, horiz. Mount(27 hp)	1
4	322-1	5/16-18x1/2 HHC Screw	12
5	3256-23	Washer, Flat SAE 5/16	14
6	1-633888-03	Plate, Radiator/Fan Mnt.	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	1-633894	Hose, Radiator Inlet (23 hp)	1
	103-0074	Hose, Radiator Inlet (27 hp)	1
13	1-633895	Hose, Rad. Outlet (23 hp)	1
	103-0075	Hose, Rad. Outlet (27 hp)	1
14	103-1553	Muffler,kit (23 hp)	1
	103-1557	Muffler,kit (27 hp)	1
15♦	33114-025	Screw, M8-1.25x25mm	4
16	1-303334	Wshr, Disc Sprg 5/16(23 hp)	7
	1-303334	Wshr, Disc Sprg 5/16(27 hp)	2
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	3
26♦	1-643083	Hose, Air cleaner	1
27	1-643084	Hose, Air inlet	1
28♦	1-633853	Belt, Alternator	1
29♦	1-633841	Sheave w/hub	1
30	1-807259	Key, Mach 1/4x1/4x1	1
31♦	1-633881	Alternator	1
♦	1-643158	Regulator, Alternator	1
♦	1-643159	Brushes, Alternator	1
♦	1-643160	Bearing, Alternator	1
32♦	1-633882	Sheave, Alternator	1
33♦	1-807004	Key	1
34♦	322-3	Screw, CapHH5/16-18x3/4	1
35♦	1-632835	Bracket, Alternator	1
36♦	1-633838	Arm, Alternator tension.	1
37	32128-20	Nut, Whzlck 5/16-18 (23 hp)	2
	32128-20	Nut, Whzlck 5/16-18 (27 hp)	1
38♦	3256-26	Washer, flat SAE 1/2	2
39♦	1-633839	Spacer	1
40♦	325-17	Screw, Cap HH 1/2-13x4	1
41♦	3296-23	Nut, Nyloc ½-13	1
42	1-643164	Cap, Overflow Tank	1
43	1-643163	Tank, Overflow (2.0 pts)	1
44	1-643131	Hose, .25 ID x 22.00"	1
45	1-643259	Elbow, 90deg	1

Ref. No.	Part No.	Description	Qty. Req'd.
46	1-513645	Bushing, Fuel Valve	1
47	1-643024-03	Bracket, Bottle	1
48	321-2	Screw, Cap Hex 1/4-20x1/2	2
49	1-303287	Plastic Tie 5.5x.044x.1	3
50	1-643129	Hose, .31 ID x 27.00"	1
51	1-633851	Extension, Crankshaft	1
52	1-805005	Washer, Lock 5/16	3
53	33014-00	Nut, Hex M8	3
54	1-633869	Fan, Pump Cooling	1
55	3256-22	Washer, Flat SAE 1/4	3
56	1-809095	Screw,HexScket 1/4-20x1/2	3
57	103-0098	Shroud, Hydraulic Fan(	1
58	3296-2	Nut, Nyloc #10-24	6
59	3256-14	Washer, Flat Std #10	12
60	3290-500	Screw, Mach #10-24x5/8	6
61	103-0895-03	Shield, LH Liquid	1
62	1-633794-03	Shield, RH Eng Shield	1
63	321-4	Screw, Cap HH 1/4-20x5/8	6
64	32128-33	Nut, Whizlock 1/4-20	6
65	3314-016	Screw, M8-1.25x16mm(23hp)	2
	33115-020	Screw, M10-1.5x20mm(27hp)	2
66	103-1364	Clutch w/tie	1
67∇♦	1-303428	Elbow, 90°	1
68∇♦	1-643167	Nipple, 3/8 npt x 4.5	1
69	1-303335	Tie, plastic	1
70	3256-3	Washer, 5/16 std	1
71	1-613235	Washer	4
72	1-633543-03	Strap, Clutch/Brake	1
73	1-633545	Spacer, Grommet	2
74	1-633630	Grommet	2
75∇♦	1-403124	Elbow, Street	1
76	322-38	Screw, Cap HH 5/16-18x4.5	1
77	1-643008	Spacer, Clutch Anchor	1
78♦	1-643007-03	Spacer, Engine	2
79	32114-030	Screw, M8-1.25x30mm(23hp)	4
	32115-025	Screw, M10-1.5x25mm(27hp)	4
80	1-603610	Washer, disc spring 7/16	2
81	48-7570	Screw, Cap M10x1.5x65mm	1
82	94-3652	Cover w/latch	1
83	1-643283	Latch, Air cleaner	2
84	87-9400	Vacuator Valve	1
85	1-633179	Spacer, Clutch (23 hp)	1
	103-0114	Spacer, Clutch (27 hp)	1
86	103-0152	Keeper, Clutch (27 hp)	1
87∇	103-0161	Valve, Oil Drain (27 hp only)	1
88	1-303334	Wshr, Disc Sprg 5/16(23 hp)	4
	98-5975	Wshr, Disc Sprg 3/8(27 hp)	4
89	103-1563	Gasket, Exhaust (22/23 hp)	2
	103-1564	Gasket, Exhaust (27 hp)	2
90	103-1513	Arrester, Spark (22/23 hp) (1.25)	1
	103-1511	Arrester, Spark (27 hp) (1.50)	1
91	103-1514	Clamp, Muffler (22/23 hp) (1.38)	1
	103-1512	Clamp, Muffler (27 hp) (1.63)	1
92	103-0113	Clip,loom	1

Replacement Engine Oil Filter - **Kawasaki** Part No. 49065-2078
Exmark black touch up spray paint – gloss black

∇ Use a Teflon Pipe Sealant or equivalent on threads.
♦ For 23 hp Kawasaki Liquid-Cooled units only

KAWASAKI LIQUID-COOLED ENGINE DECK GROUP



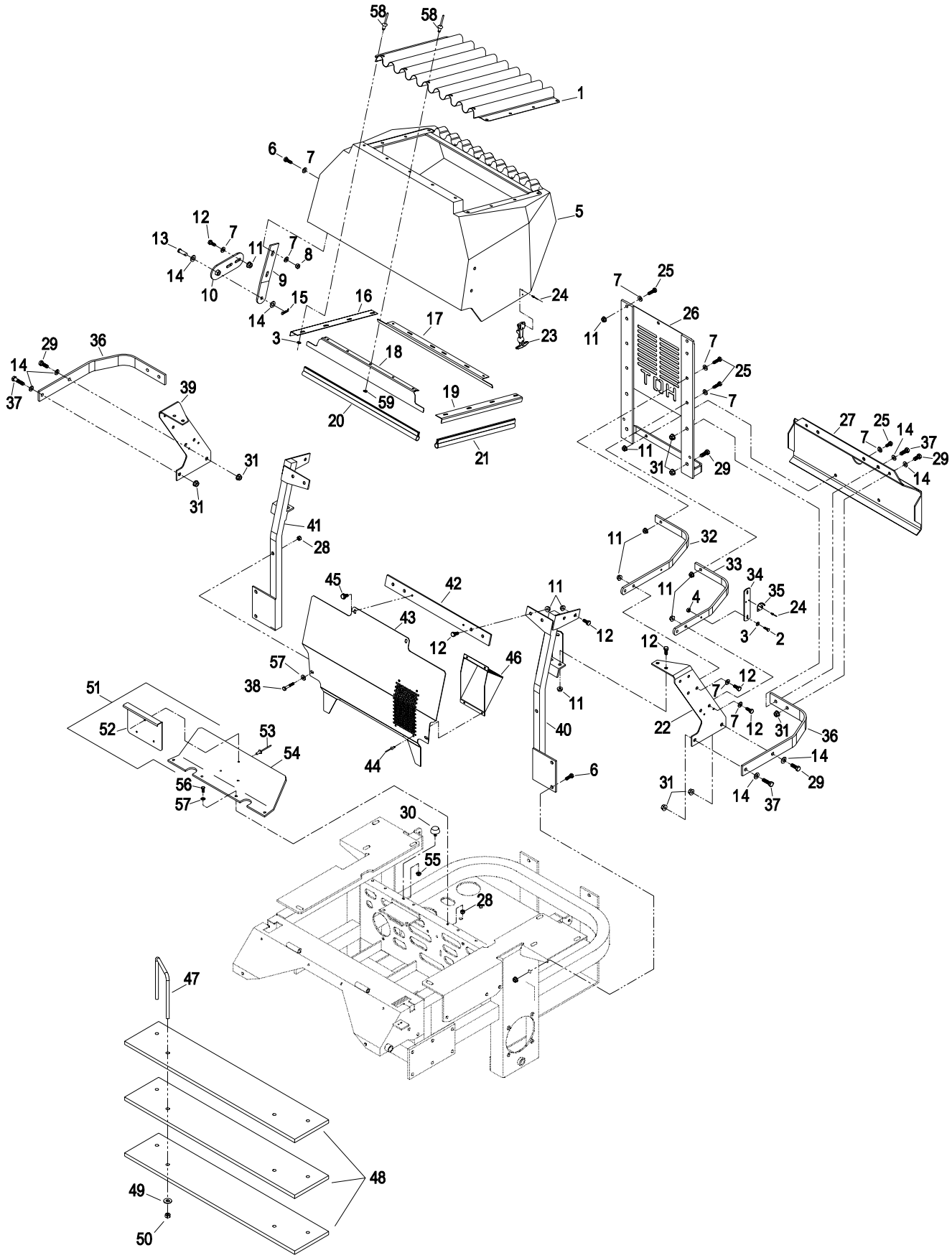
KAWASAKI LIQUID-COOLED ENGINE DECK GROUP (cont.)

Ref. No.	Part No.	Description	Qty. Req'd.
1	1-633864-03	Screen, Radiator Intake	1
2	1-803069	Screw,10-24X.75 BHSCap	4
3	3256-14	Washer, Flat Std #10	16
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	10
32	1-633897-03	Rib, Top	2
33	1-633898-03	Rib, Bottom	2
34	1-633877-03	Bar, Latch Hook	2
35	1-643189	Keeper, Rubber Latch	2
36	1-633896-03	Bar, Rad. Mnt. Frame	2
37	323-7	Screw,Cap HH 3/8-16x1-1/4	4
38	323-9	Screw,Cap HH 1/4-20x1 1/2	2
39	103-0897-03	Plate, Side Rad. Mnt. RH	1
40	1-632984-03	Brace, Radiator-LH (23 hp).	1
	103-0107-03	Brace, Radiator-LH (27 hp).	1
41	1-632985-03	Brace, Radiator-RH	1
42	1-633878-03	Crossbar	1
43	1-643087-03	Deflector, Air	1
44	3269-3	Pop Rivet- Stl 3/16x.250	4
45	49-2040	Screw, Tapping1/4-20x.75	2
46	1-643096-03	Plenum, Air intake (23 hp)	1
	103-0110-03	Plenum, Air intake (27 hp)	1
47	103-0221	U-bolt (72" deck, 27 hp)	2
	1-643147	U-bolt (all except 72"deck, 27hp)	2
48	1-643150-01	Weight Bar (52" deck, 23 hp).	4
	103-0217-01	Weight Bar (60" deck, 23 hp).	2
	103-0217-01	Weight Bar (60" deck, 27 hp).	3
	103-0885-01	Weight Bar (72" deck, 27 hp).	1
49	3256-4	Washer, flat Std 3/8	4
50	3296-39	Nut, Nyloc 3/8-16	4
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
59	1-303435	Washer, Spring Disc .25	5

Exmark black touch up spray paint – gloss black

✯ Hood only comes with black 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	1-403102	Hose, Lower 52" & 60"	2
2∇	1-512166-03	Tank, hydraulic reservoir	1
3∇	1-513006	Head, filter	1
4	1-513034	Bearing, pivot	2
5	1-513167	Cap, hydraulic tank	1
6	1-513211	Element, hydraulic oil filter	1
♦	1-523541	Element,hyd oil filter(winter)	1
7	1-513840	Elbow, 90° w/O-ring	2
	1-603921	O-Ring	1
8	1-522217	Hose, low pressure (7")	1
9	1-523103	Gasket, tank cap	1
10	1-633774	Hose, upper (52"&60")	2
	1-633776	Hose, upper (72")	2
11	1-523328	Motor, wheel drive	2
	1-000099	Kit, seal	1
	1-000139	Kit, bearing	1
12	1-603384	Bushing, idler pivot	1
13	1-603413	Spring, pump drive idler	1
14	1-603721	Fitting, tee (3/8" i.d. hose)	1
15	1-603722	Fitting, tee (1/4" i.d. hose)	1
16	1-603826	Clamp, hose (1/2")	3
17	1-603827	Clamp, hose (5/8")	5
18	1-603987	Elbow,90° 7/16-JICx1/4-NPT	1
19	1-603988	Elbow,90° 9/16-JICx1/4-NPT	1
20	1-603989	Elbow, 90° (w/O-ring)	2
	1-603923	O-Ring (SAE #4)	1
21	1-603990	Connector,strght (w/o-rings)	4
	1-603920	O-Ring (SAE #8)	1
	1-603992	O-Ring (37° flare #8)	1
22	1-613034	Hose, high pressure 60"	2
	1-403102	Hose, high pressure 52"	2
23	1-632201-03	Arm, pump idler	1
24	1-632281	Hose, low pressure (12")	1
25	1-632282	Hose,low pressure(20 1/2")	1
26	1-632285	Hose, low pressure (11 ¼")	1
27	1-632286	Hose, low pressure (4")	1
28	1-633568	Sheave, pump	2
29	1-633567	Sheave, engine	1
30	1-633569	Belt, pump drive	1
31	1-633167	Pulley, idler w/bushing	1
32	1-633335	Hose, low pressure (14 ½")	2
33	1-634277	Arm, w/bearing	1
34	321-4	Screw, 1/4-20 x 3/4	2
35	323-8	Screw, 3/8-16 x 1 1/2	1
36	323-9	Screw, 3/8-16 x 1 3/4	1
37	1-800805	Screw, 3/8-16 x 3 1/2	1
38	323-7	Screw, 3/8-16 x 1	4
39	1-803022	Setscrew, 5/16-18 x 5/8	2
40	30-1710	Setscrew, 5/16-18 x 1	2
41	1-803050	Setscrew, 5/16-18 x 3/4	2
42	1-805004	Lockwasher, 1/4	2
43	3256-3	Washer, 5/16 std	1
44	3256-4	Washer, 3/8 std	1
45	13-2840	Key, 1/4 x 1/4 x 1 1/4	1
46	1-807272	Key, 5mm x 5mm x 25mm	2
47	3290-357	Nut, 3/8-16 whizlock	8
48	32128-33	Nut, whizlock 1/4-20	2
49	302-40	Zerk, 90° 1/4-28	1
50	321-3	Screw, 1/4-20 x 5/8	2
51	1-603841	Pump, hydro	2
	2513018	Kit, overhaul seal	1
52	1-633786	Elbow,90°(w/o-rings)(52&60)	4
	1-633605	Elbow,90°(w/o-rings)(72)	1
	1-603919	O-Ring (SAE #10)	1
	1-603992	O-Ring (37° flare #8)	1
53	1-633775	Hose, lower (52"&60")	2
	1-633777	Hose, lower (72")	2

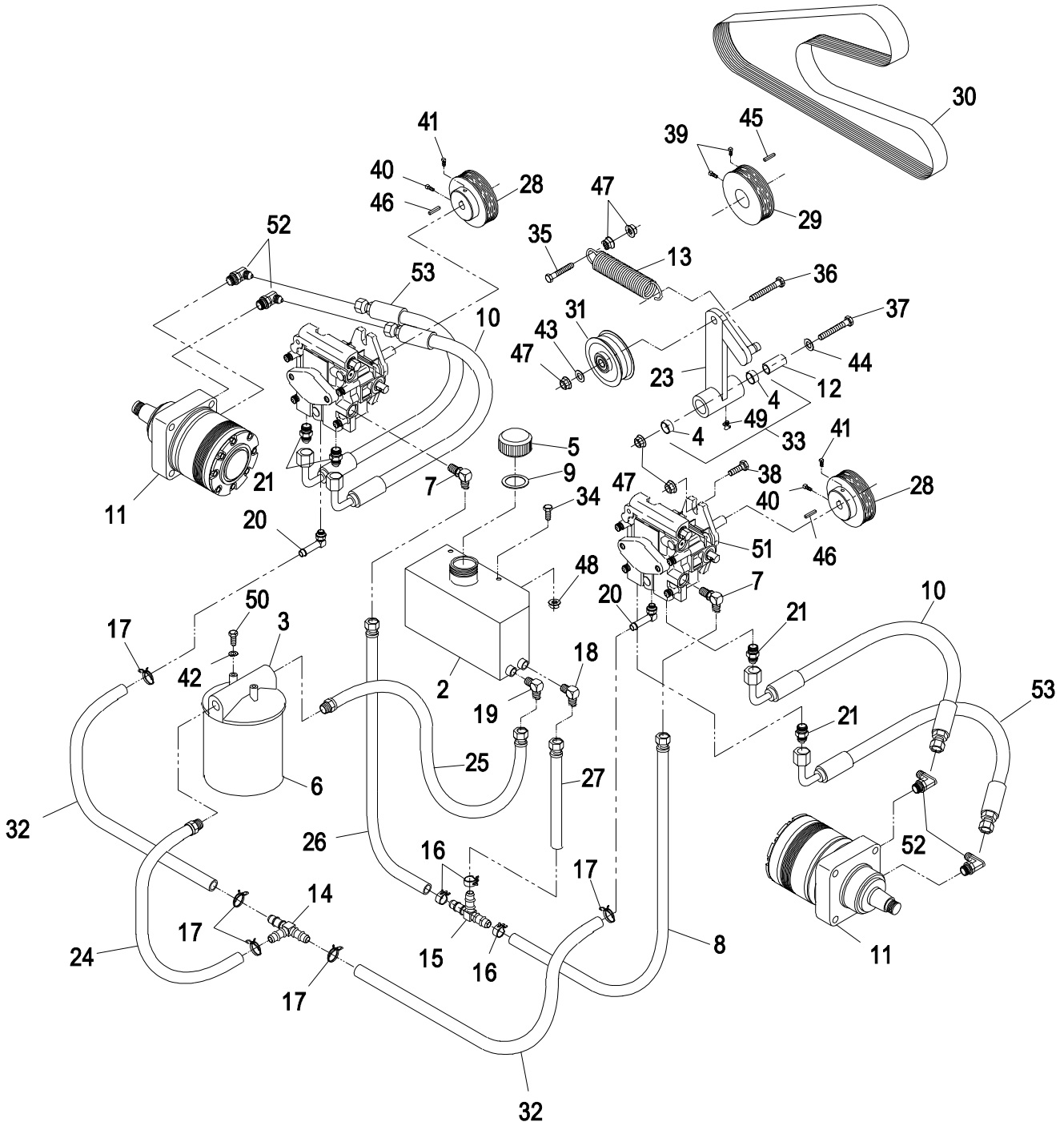
Use Pro-Lock, Nut Type (P/N 1-840022, 5 ml tube) on setscrews.

∇ Use Teflon pipe sealant on pipe threads in reservoir & filter head.

Exmark black touch up spray paint - gloss black

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

HYDRAULIC GROUP

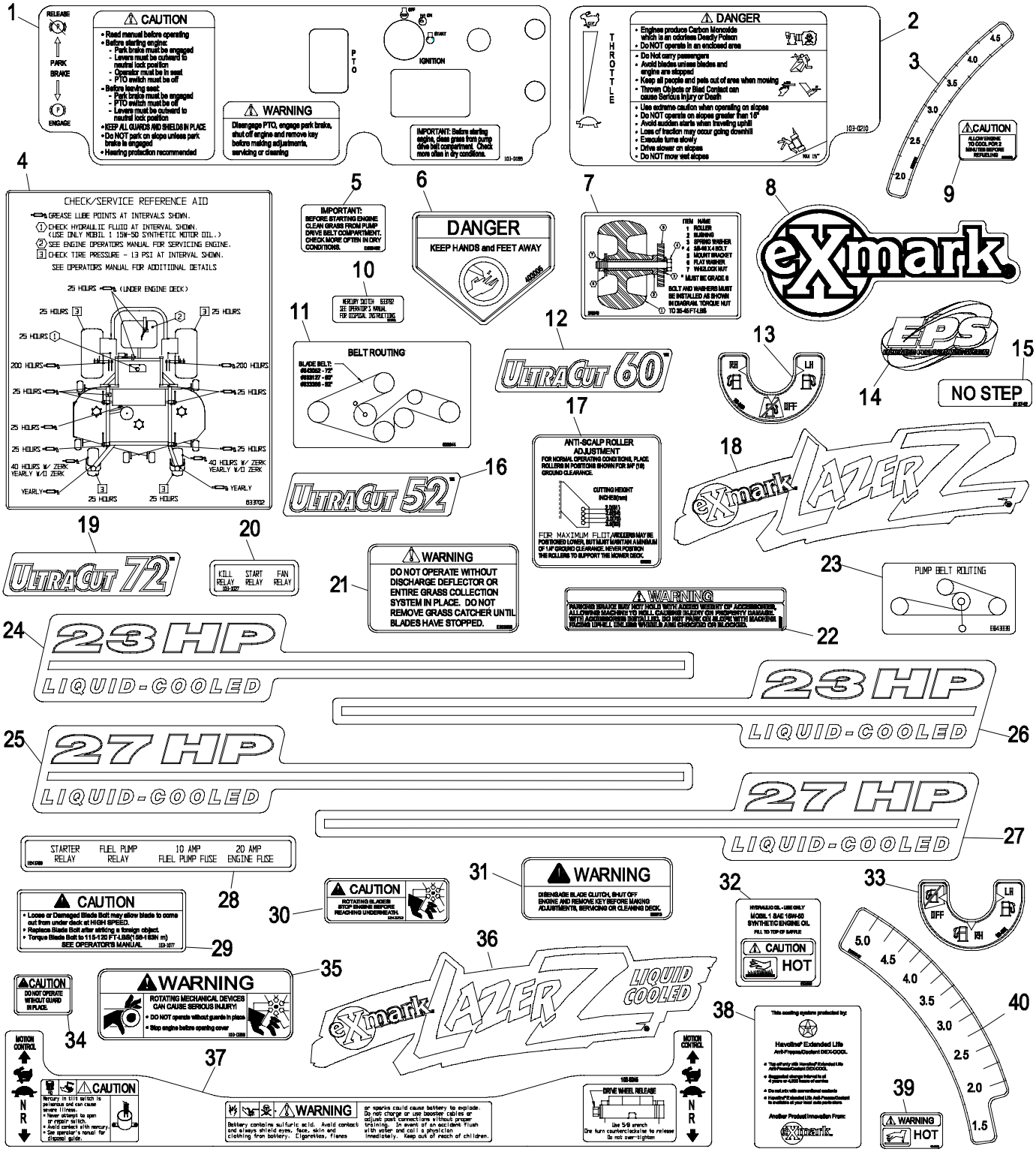


DECAL GROUP

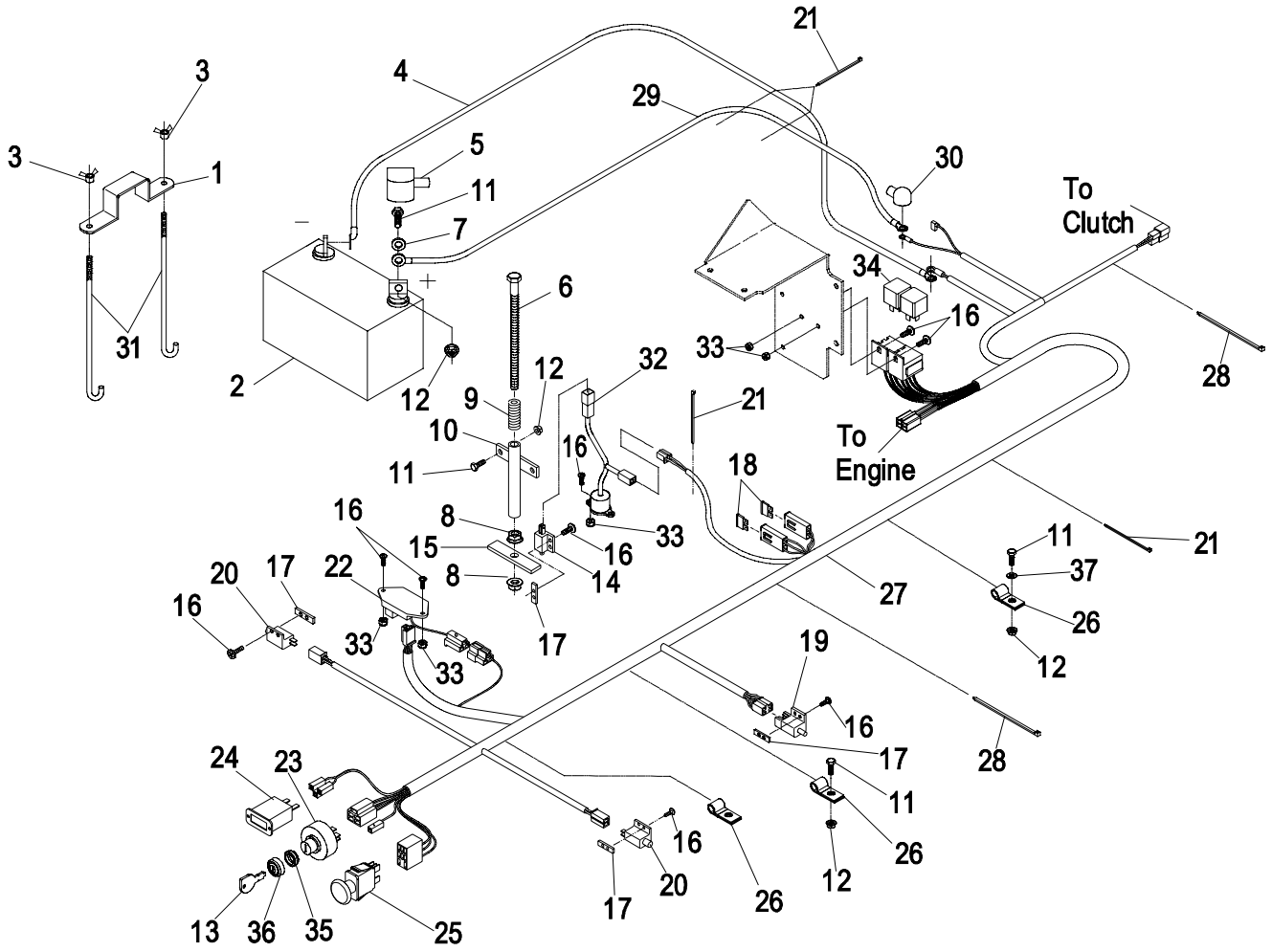
Ref. No.	Part No.	Description	Qty. Req'd.
1	103-0166	Decal, Console 1	1
2	103-0210	Decal, Console 2	1
3	1-633706	Decal, Deck Height	1
4	1-633702	Decal, Check Service	1
5	1-633462	Decal, Important	1
6	1-403005	Decal, Danger	2
7	1-323540	Decal, Roller Mounting	1
8φ	1-643103	Decal, Exmark logo	1
∇	1-643386	Decal, Exmark logo	1
9	1-303293	Decal, 2 Minute Cool	2
10	1-643401	Decal, Mercury Switch	1
11	1-643222	Decal, Belt Routing	1
12	103-1146	Decal, Ultracut 60	1
13♦	103-0262	Decal, Fuel Valve	1
14•	1-643397	Decal, EPS	1
15	1-513742	Decal, No Step	2
16	103-1145	Decal, Ultracut 52	1
17	1-633922	Decal, Anti-Scalp	1
18**	1-633350	Decal, Lazer Swash	1
19	103-1147	Decal, Ultracut 72	1
20	103-1027	Decal, Relay	1
21	1-303508	Decal, Discharge Warning	1
22	1-633827	Decal, Park Brake Warning	1
23	1-643339	Decal, Pump Belt Rtg	1
24	103-1143	Decal, Hood 23 L.C. RH	1
25	103-1141	Decal, Hood 27 L.C. RH	1
26	103-1144	Decal, Hood 23 L.C. LH	1
27	103-1142	Decal, Hood 27 L.C. LH	1
28•	1-643288	Decal, Fuse/Relay	1
29	103-1077	Decal, Bolt Torque	1
30φ	1-643253	Decal, Radiator Fan	1
31	1-633313	Decal, Warning	1
32	1-523552	Decal, Hyd Tank/Hot Surface	1
33•	103-0261	Decal, Fuel Valve	1
34	1-513748	Decal, Guard	1
35	103-0368	Decal, Rotating Devices	1
36φ	1-643104	Decal, L.C. Lazer Swash	1
37	103-0245	Decal, Top Console	1
38φ	103-0223	Decal, Havoline Coolant (60")	1
39φ	65-2690	Decal, Hot Surface	2
40	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 all units except Kawasaki Liquid-Cooled.
φ Decal for Kawasaki Liquid-Cooled units only.
Decal for 27 HP Kawasaki Liquid-Cooled units only.

DECAL GROUP


1
CAUTION
• Read manual before operating
• Before starting engine:
- Park brake must be engaged
- Levers must be outward to neutral lock position
- Operator must be in seat
- PTO switch must be off
• Before leaving seat
- Park brake must be engaged
- PTO switch must be off
- Levers must be outward to neutral lock position
• KEEP ALL GUARDS AND SHIELDS IN PLACE
• Do NOT park on slope unless park brake is engaged
• Hearing protection recommended
RELEASE
PARK BRAKE
ENGAGE
WARNING
Disengage PTO, engage park brake, shut off engine and remove key before making adjustments, servicing or cleaning
IMPORTANT: Before starting engine, clean grass from pump drive belt compartment. Check more often in dry conditions.
PTO
IGNITION
2
DANGER
• Engines produce Carbon Monoxide which is an odorless Deadly Poison
• Do NOT operate in an enclosed area
• Do Not carry passengers
• Avoid blades unless blades and engine are stopped
• Keep all people and pets out of area when mowing
• Thrown Objects or Blad Contact can cause Serious Injury or Death
• Use extreme caution when operating on slopes
• Do NOT operate on slopes greater than 15°
• Avoid sudden starts when traveling uphill
• Loss of traction may occur going downhill
• Exhaust fume slowly
• Drive slower on slopes
• Do NOT mow wet slopes
THROTTLE
3
4.5
4.0
3.5
3.0
2.5
2.0
CAUTION
ALLOW ENGINE TO COOL FOR 2 MINUTES BEFORE REFUELING
9
4
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
5
IMPORTANT: BEFORE STARTING ENGINE CLEAN GRASS FROM PUMP DRIVE BELT COMPARTMENT. CHECK MORE OFTEN IN DRY CONDITIONS.
6
DANGER
KEEP HANDS and FEET AWAY
7
ITEM NAME
1 ROLLER
2 BUSHING
3 SPRING WASHER
4 5/8-18 X 4 BOLT
5 MOUNT BRACKET
6 FLAT WASHER
7 WASLOCK NUT
* MUST BE GRADE 8
BOLT AND WASHERS MUST BE INSTALLED AS SHOWN IN DIAGRAM. TORQUE NUT TO 35-45 FT-LBS
8
eXmark
10
MOWER DECK SERVICE MANUAL FOR DISPOSAL INSTRUCTIONS
11
BELT ROUTING
BLADE BELT:
12
UltraCut 60"
13
RH
LH
DIFF
14
EPS
15
NO STEP
16
UltraCut 52"
17
ANTI-SCALP ROLLER ADJUSTMENT
FOR NORMAL OPERATING CONDITIONS, PLACE ROLLERS IN POSITIONS SHOWN FOR 3½" (10) GROUND CLEARANCE.
CUTTING HEIGHT INCH (cm)
FOR MAXIMUM FLOTATION, ROLLERS MAY BE POSITIONED LOWER, BUT MUST MAINTAIN A MINIMUM OF 1" GROUND CLEARANCE. NEVER PIVOT TO ROLL CAUSING INJURY OR PROPERTY DAMAGE.
18
eXmark LAZER Z
19
UltraCut 72"
20
KILL RELAY
START RELAY
FAN RELAY
21
WARNING
DO NOT OPERATE WITHOUT DISCHARGE DEFLECTOR OR ENTIRE GRASS COLLECTION SYSTEM IN PLACE. DO NOT REMOVE GRASS CATCHER UNTIL BLADES HAVE STOPPED.
22
WARNING
PARKING BRAKE MAY NOT HOLD WITH ACCESS WEIGHT OF ACCESSORIES. ALLOWING MACHINE TO ROLL CAUSING INJURY OR PROPERTY DAMAGE. WITH ACCESSORIES INSTALLED, DO NOT PARK ON SLOPE WITH MACHINE FACING UPHILL UNLESS WHEELS ARE CHOCKED OR BLOCKED.
23
PUMP BELT ROUTING
24
23 HP
LIQUID-COOLED
25
27 HP
LIQUID-COOLED
26
23 HP
LIQUID-COOLED
27
27 HP
LIQUID-COOLED
28
STARTER RELAY
FUEL PUMP RELAY
10 AMP FUEL PUMP FUSE
20 AMP ENGINE FUSE
29
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 115-120 FT-LBS(156-163N m)
SEE OPERATOR'S MANUAL
30
CAUTION
ROTATING BLADES STOP ENGINE BEFORE REACHING UNDERNEATH.
31
WARNING
DISENGAGE BLADE CLUTCH, SHUT OFF ENGINE AND REMOVE KEY BEFORE MAKING ADJUSTMENTS, SERVICING OR CLEANING DECK.
32
HYDRAULIC OIL - USE ONLY MOBIL 1 SAE 15W-50 SYNTHETIC ENGINE OIL
FILL TO TOP OF BAFFLE
CAUTION
HOT
33
DIFF
LH
RH
34
CAUTION
DO NOT OPERATE WITHOUT GUARD IN PLACE.
35
WARNING
ROTATING MECHANICAL DEVICES CAN CAUSE SERIOUS INJURY!
• DO NOT operate without guards in place.
• Stop engine before opening cover
36
eXmark LAZER Z LIQUID COOLED
37
MOTION CONTROL
N
R
CAUTION
Mercury in tilt switch is poisonous and can cause severe illness.
• Never attempt to open or repair switch.
• Avoid contact with mercury.
• See operator's manual for disposal guide.
WARNING
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
Turn counterclockwise to release
Do not over-tighten
38
Havoline® Extended Life Anti-Freeze/Coolant DEX-COOL
Another Product Innovation From:
eXmark
39
WARNING
HOT
40
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5

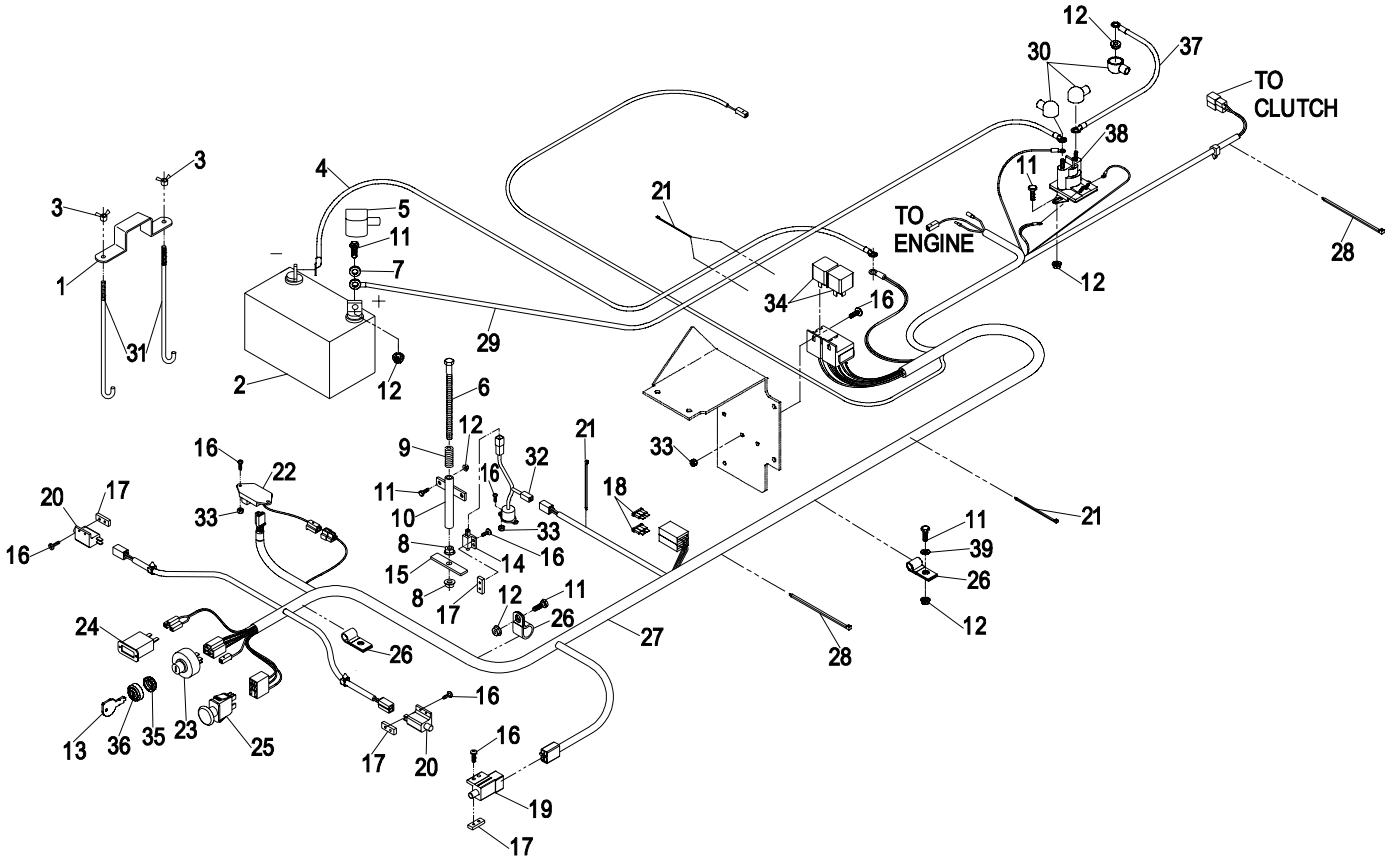
KOHLER 23 & 25 HP AIR-COOLED ELECTRICAL GROUP



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	6	29	1-523281	Cable-battery (+) 30”	1
12	32128-33	Nut, 1/4-20 whizlock	6	30	1-543393	Insulator, solenoid (+)	1
13	1-603511	Keys, ignition	1	31	1-633651	Bolt, battery hold down	2
14	1-513152	Switch- seat N.C.	1	32	1-633782	Switch, tilt	1
15	1-513180	Actuator, seat switch	1	33	3296-2	Nut, #10-24 Hex Nyloc	6
16	3290-500	Screw, #10-24x5/8	14	34	1-643275	Relay, 12V	2
17	1-633181	Plate, tapped	4	35	103-0498	Nut, Ignition	1
18	1-816001	Fuse-20 amp	2	36	103-0499	Seal, Ignition	1
				37	3256-22	Washer, ¼ SAE	1

◊ Use dielectric grease on all wiring harness connectors.

KAWASAKI 23 HP AIR-COOLED ELECTRICAL GROUP

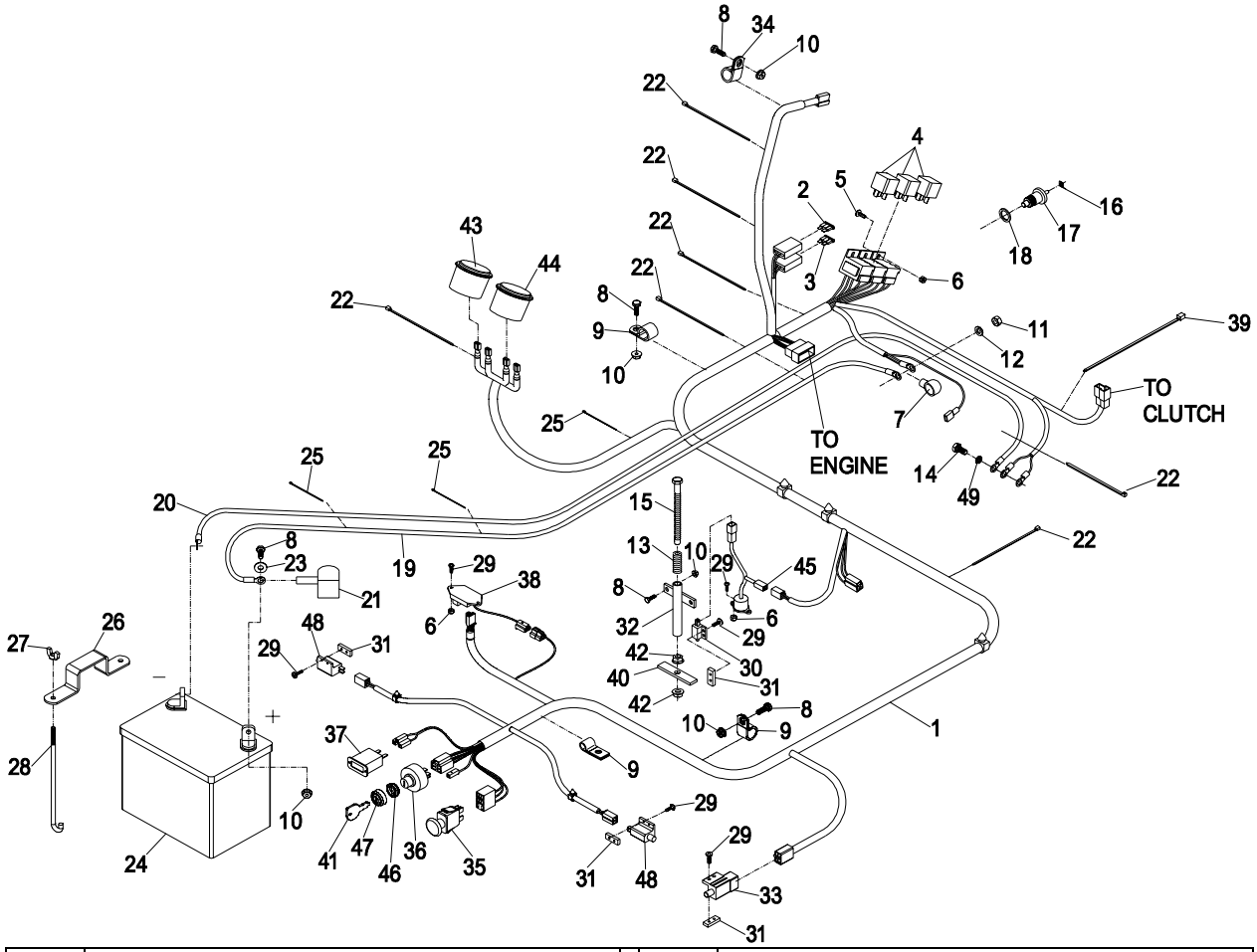


Ref. No.	Part No.	Description	Qty. Req'd.
1	1-633652	Hold down-battery	1
2	103-0293	Battery-12V	1
3	1-543792	Wingnut, nyloc	2
4	1-633307	Cable-battery (-) 40”	1
5	1-543391	Insulator-battery	1
6	1-800282	Screw, 5/16-18x7	1
7	3256-2	Washer, 1/4 flat	2
8	32128-20	Nut, 5/16-18 whizlock	2
9	1-523415	Spring-seat switch	1
10	1-522424	Spring mount wldmt	1
11	321-4	Screw, 1/4-20x3/4	8
12	32128-33	Nut, 1/4-20 whizlock	9
13	1-603511	Keys, ignition	1
14	1-513152	Switch- seat N.C.	1
15	1-513180	Actuator, seat switch	1
16	3290-500	Screw, #10-24x5/8	14
17	1-633181	Plate, tapped	4
18	1-816001	Fuse-20 amp	2
19	1-633111	Switch-brake N.O./N.C.	1
20	1-513051	Switch-drive lever N.O.	2

Ref. No.	Part No.	Description	Qty. Req'd.
21	1-303287	Plastic tie (small)	5
22	100-6186	Module-seat delay	1
23	103-0206	Switch-ignition w/ keys	1
24	1-513374	Meter-engine hours	1
25	1-633673	Switch	1
26	1-633396	Clip-Loom .69	3
27◊	103-0732	Harness-wiring	1
28	1-303335	Plastic tie (large)	2
29	1-523281	Cable-battery (+) 30”	1
30	1-543393	Insulator, solenoid (+)	3
31	1-633651	Bolt, battery hold down	2
32	1-633782	Switch, tilt	1
33	3296-2	Nut, #10-24 Hex Nyloc	6
34	1-643275	Relay, 12V	2
35	103-0498	Nut, Ignition	1
36	103-0499	Seal, Ignition	1
37	1-633306	Wire, starter solenoid	1
38	1-513075	Switch, 12V solenoid	1
39	3256-22	Washer, ¼ SAE	1

◊ Use dielectric grease on all wiring harness connectors.

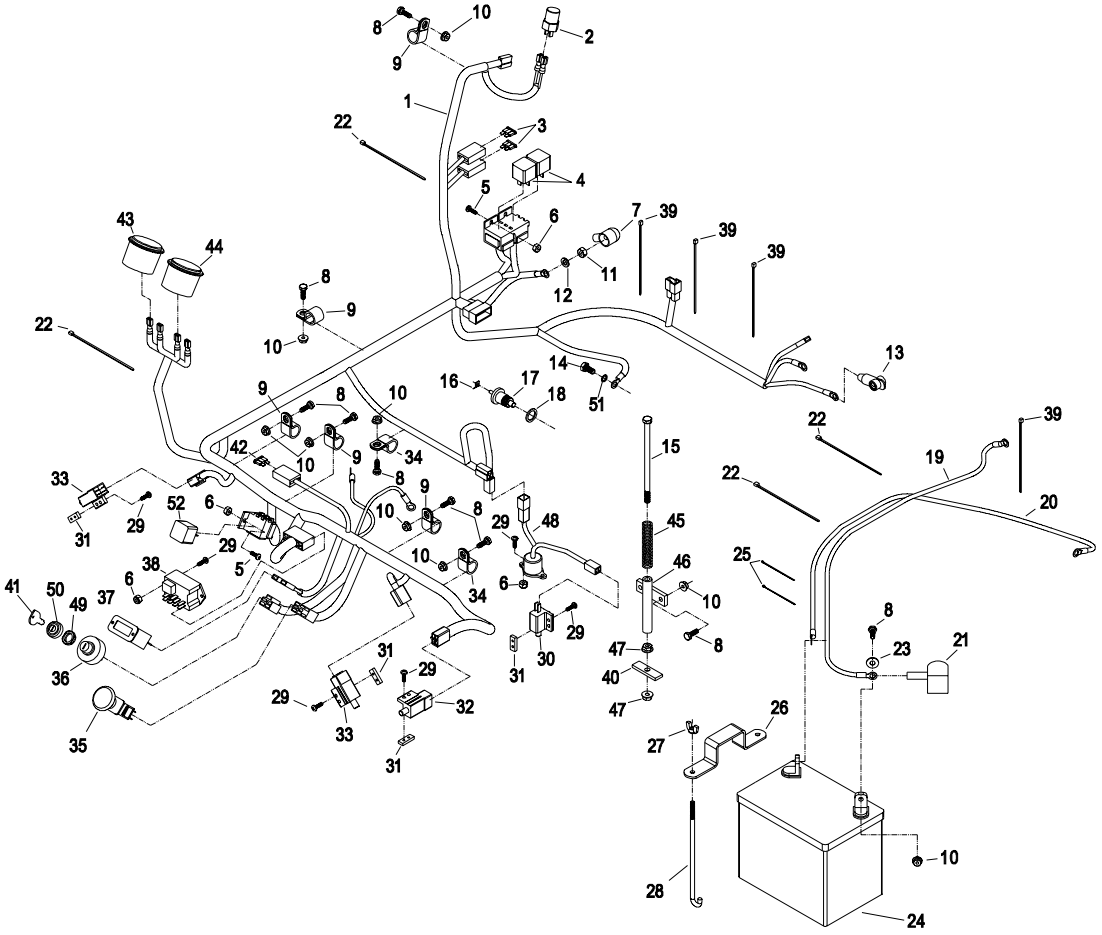
KAWASAKI 27 HP LIQUID-COOLED ELECTRICAL GROUP



Ref. No.	Part No.	Description	Qty. Req'd.
1◊	103-0883	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 #10-24x1/2	2
6	3296-2	Nut, nyloc #10-24	6
7	1-543393	Insulator, solenoid +	1
8	321-4	Screw, 1/4-20x3/4	7
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	1-633652	Holdown-battery	1
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.O.	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)	1
40	1-513180	Actuator, seat switch	1
41	1-603511	Keys, ignition	1
42	32128-20	Nut, 5/16-18 whizlock	2
43	1-643037	Gauge, Voltmeter	1
44	1-643021	Gauge, Temperature	1
45	1-633782	Switch, tilt	1
46	103-0498	Nut, Ignition	1
47	103-0499	Seal, Ignition	1
48	1-513051	Switch, drive lever N.O.	2
49	3256-23	Washer, 5/16 SAE	1

◊ Use dielectric grease on all wiring harness connectors.

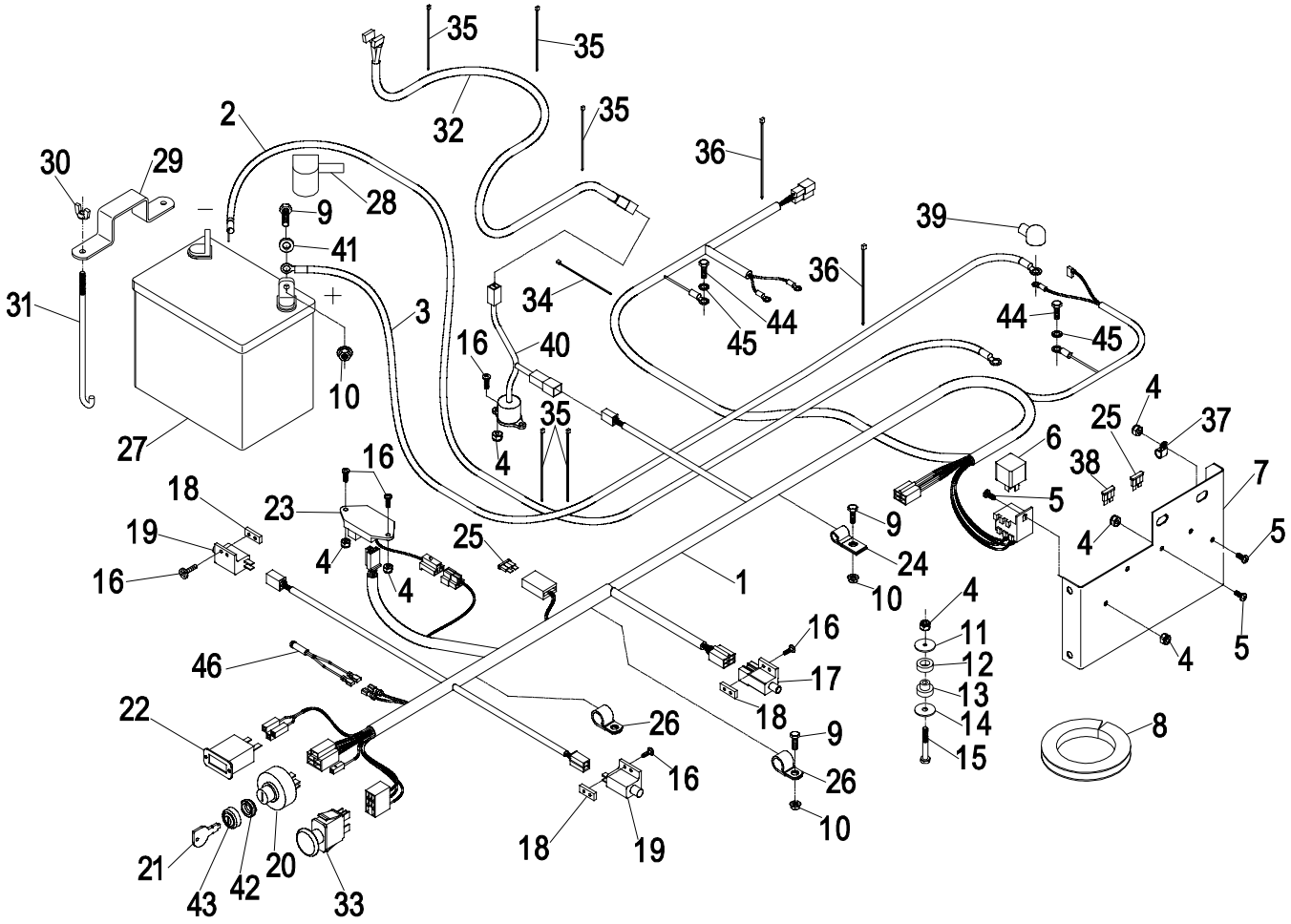
KAWASAKI 23 HP LIQUID-COOLED ELECTRICAL GROUP



Ref. No.	Part No.	Description	Qty. Req'd.	Ref. No.	Part No.	Description	Qty. Req'd.
1◊	1-643095	Harness-wiring	1	27	1-543792	Wingnut, nyloc	2
2	1-633833	Switch, fan-thermal	1	28	1-633651	Bolt, battery holddown	2
3	1-816003	Fuse-30 amp	2	29	3290-500	Screw, #10-24x5/8	12
4	1-643275	Relay, 12V	2	30	1-513152	Switch- seat N.C.	1
5	1-803071	Screw, machine #10-24x1/2	3	31	1-633181	Plate- tapped	4
6	3296-2	Nut, nyloc #10-24	7	32	1-633110	Switch- brake N.O./N.O.	1
7	1-543393	Insulator, solenoid +	1	33	1-633111	Switch-drive lever N.O./N.C.	2
8	321-4	Screw, 1/4-20x3/4	11	34	1-513762	Clip-loom .50	2
9	1-633396	Clip- loom .69	5	35	1-633673	Switch	1
10	32128-33	Nut, 1/4-20 whizlock	11	36	1-543070	Switch-ignition w/ keys	1
11	33014-00	Nut, hex M8-1.25	1	37	1-513374	Meter- engine hours	1
12	1-805005	Washer, lock 5/16	1	38	1-633856	Module, ignition interlock	1
13	1-643178	Insulator, alternator (+) red	1	39	1-643115	Plastic tie (large)	5
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	1-603511	Keys, ignition	1
16	1-643145	Tab, #10stud .25 Spade 45°	1	42	1-816001	Fuse-20 amp	1
17	1-643036	Sender Unit, Temp	1	43	1-643037	Gauge, Voltmeter	1
18	1-643153	Washer, Alum Sender gskt.	1	44	1-643021	Gauge, Temperature	1
19	1-523279	Cable- battery (+)	1	45	1-523415	Spring- seat switch	1
20	1-633307	Cable-battery (-)	1	46	1-522424	Spring mount wldmt	1
21	1-543391	Insulator-battery	1	47	32128-20	Nut, 5/16-18 whizlock	2
22	1-303335	Plastic tie (medium)	4	48	1-633782	Switch, tilt	1
23	3256-2	Washer, 1/4 flat	2	49	103-0498	Nut, Ignition	1
24	103-0293	Battery-12V	1	50	103-0499	Seal, Ignition	1
25	1-303287	Plastic tie (small)	5	51	3256-23	Washer, 5/16 SAE	1
26	1-633652	Holdown-battery	1	52	98-7249	Relay	1

Use dielectric grease on all wiring harness connectors.

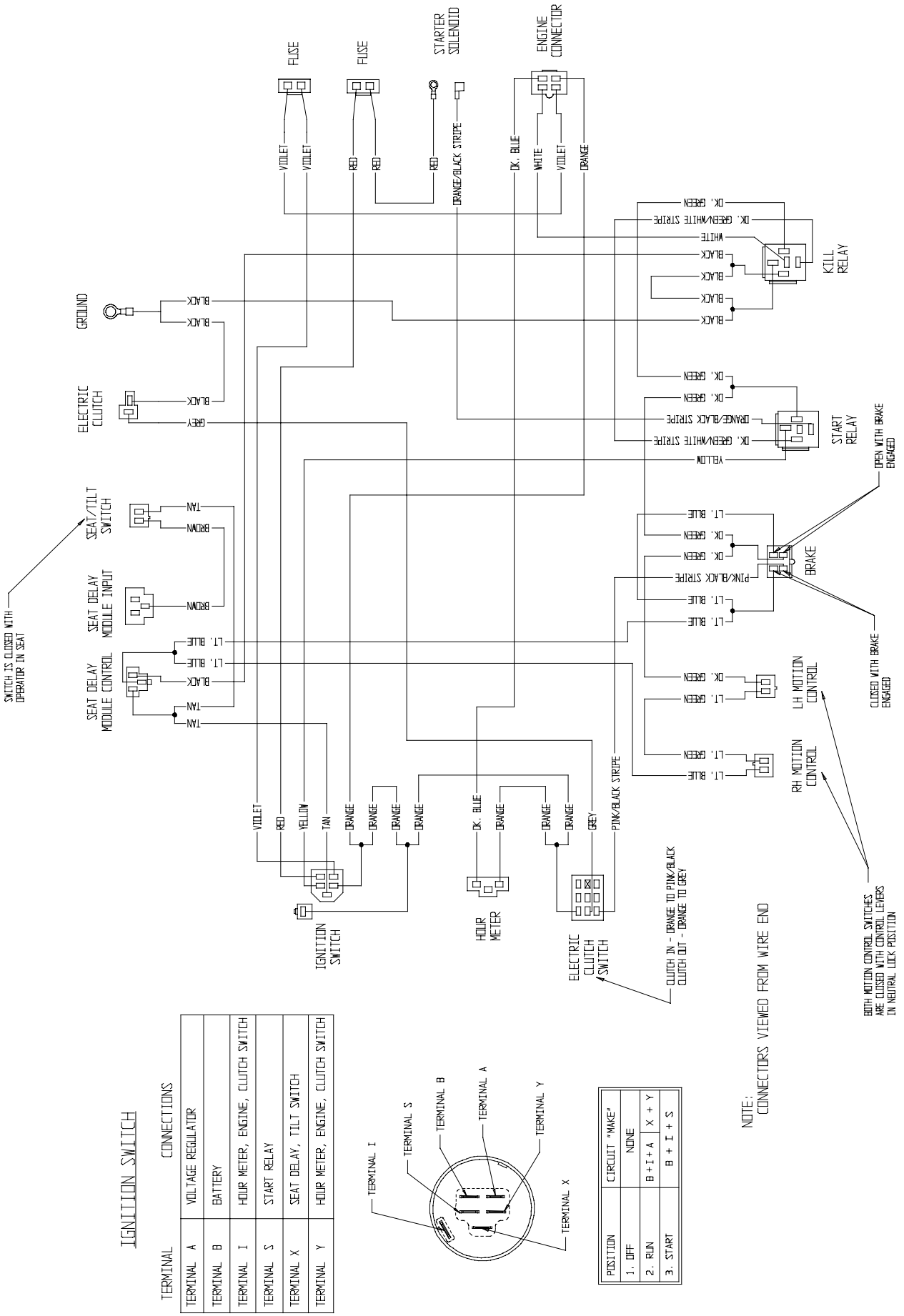
KOHLER 26 HP EFI ELECTRICAL GROUP



Ref. No.	Part No.	Description	Qty. Req'd.	Ref. No.	Part No.	Description	Qty. Req'd.
1◊	103-0263	Harness-wiring	1	24	1-513762	Clip-loom .50	2
2	1-633307	Cable-battery (-)	1	25	1-816001	Fuse-20 amp	2
3	1-523279	Cable- battery (+)	1	26	1-633396	Clip- loom .69	2
4	3296-2	Nut, nyloc #10-24	14	27	103-0293	Battery-12V	1
5	1-803071	Screw, machine #10-24x1/2	6	28	1-543391	Insulator-battery	1
6	1-643275	Relay, 12V	1	29	1-633652	Holdown-battery	1
7	1-643257	Panel, fuses/relay	1	30	1-543792	Wingnut, nyloc	2
8	1-643246	Trim-lok, 3/16" x 9.75	1	31	1-633651	Bolt, battery holddown	2
9	321-4	Screw, 1/4-20x3/4	6	32	1-633840	Wiring Harness, seat	1
10	32128-33	Nut, 1/4-20 whizlock	6	33	1-633673	Switch	1
11	1-805518	Washer, fender #10 x 1.0	4	34	1-303287	Plastic tie (small)	1
12	1-643325	Ring Mount, Vibration	4	35	1-303335	Plastic tie (medium)	5
13	1-643326	Bushing Mount, Vibration	4	36	1-643115	Plastic tie (large)	2
14	1-805519	Washer, Fender 1/4 x 1.0	4	37	1-323229	Clip, loom 3/8	1
15	1-803074	Screw, Shoulder .25 x .75	4	38	1-816002	Fuse, 10 amp	1
16	3290-500	Screw, #10-24x5/8	8	39	1-543393	Insulator, solenoid +	1
17	1-633111	Switch, N.O./N.O.	1	40	1-633782	Switch, tilt	1
18	1-633181	Plate- tapped	3	41	3256-2	Washer, 1/4 flat	2
19	1-513051	Switch, N.O./N.C.	2	42	103-0498	Nut, Ignition	1
20	103-0206	Switch-ignition w/ keys	1	43	103-0499	Seal, Ignition	1
21	1-603511	Keys, ignition	1	44	33114-016	Screw, M8-1.25 x 16mm	2
22	1-513374	Meter- engine hours	1	45	3256-23	Washer, 5/16 SAE	2
23	100-6186	Module, seat delay	1	46	1-643267	Indicator, Red LED	1

◊ Use dielectric grease on all wiring harness connectors.

KOHLER 23, & 25 HP AIR-COOLED ELECTRICAL DIAGRAM

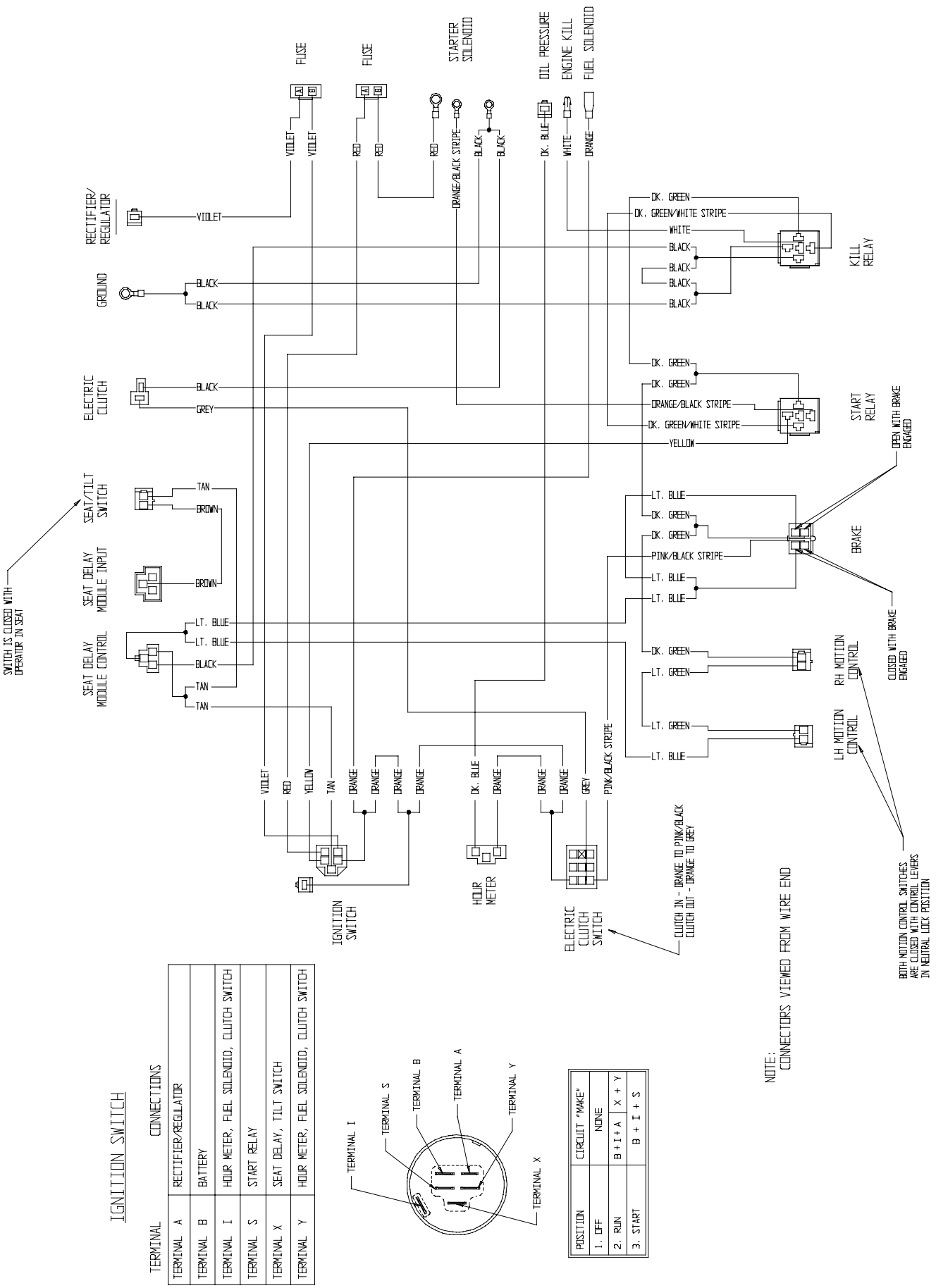


IGNITION SWITCH

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

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

KAWASAKI 23 HP AIR-COOLED ELECTRICAL DIAGRAM

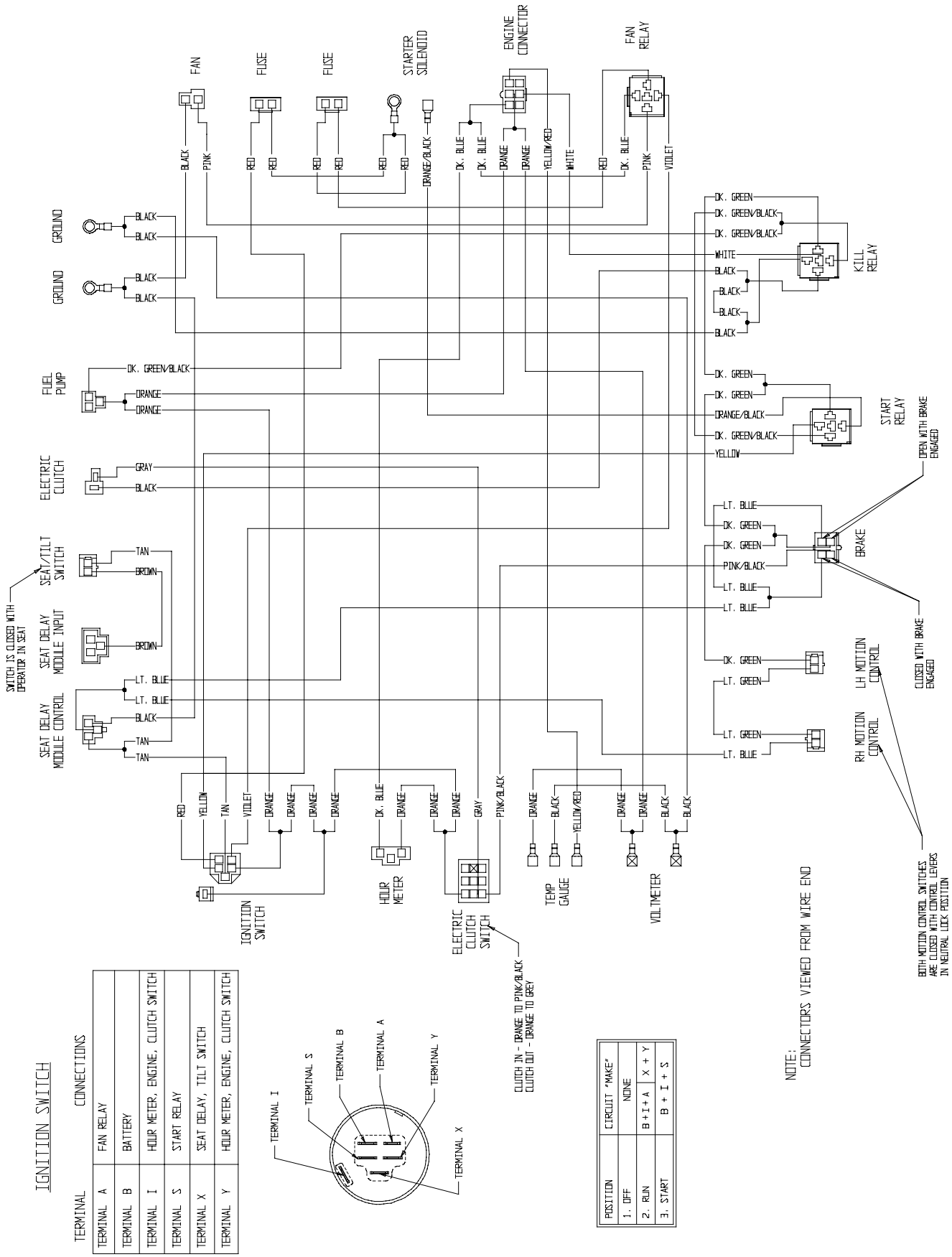


IGNITION SWITCH

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

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

KAWASAKI 27 HP LIQUID-COOLED ELECTRICAL DIAGRAM

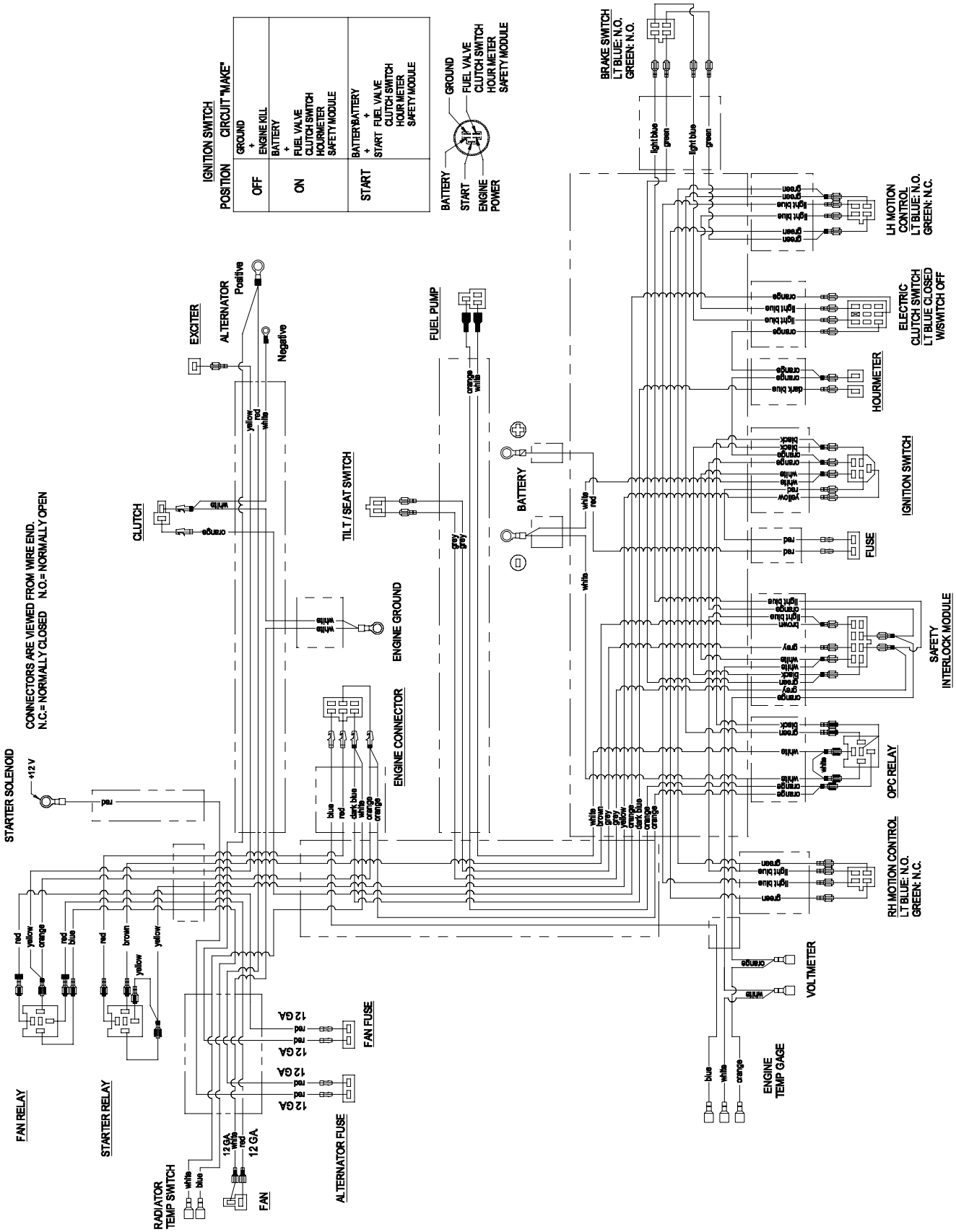


IGNITION SWITCH

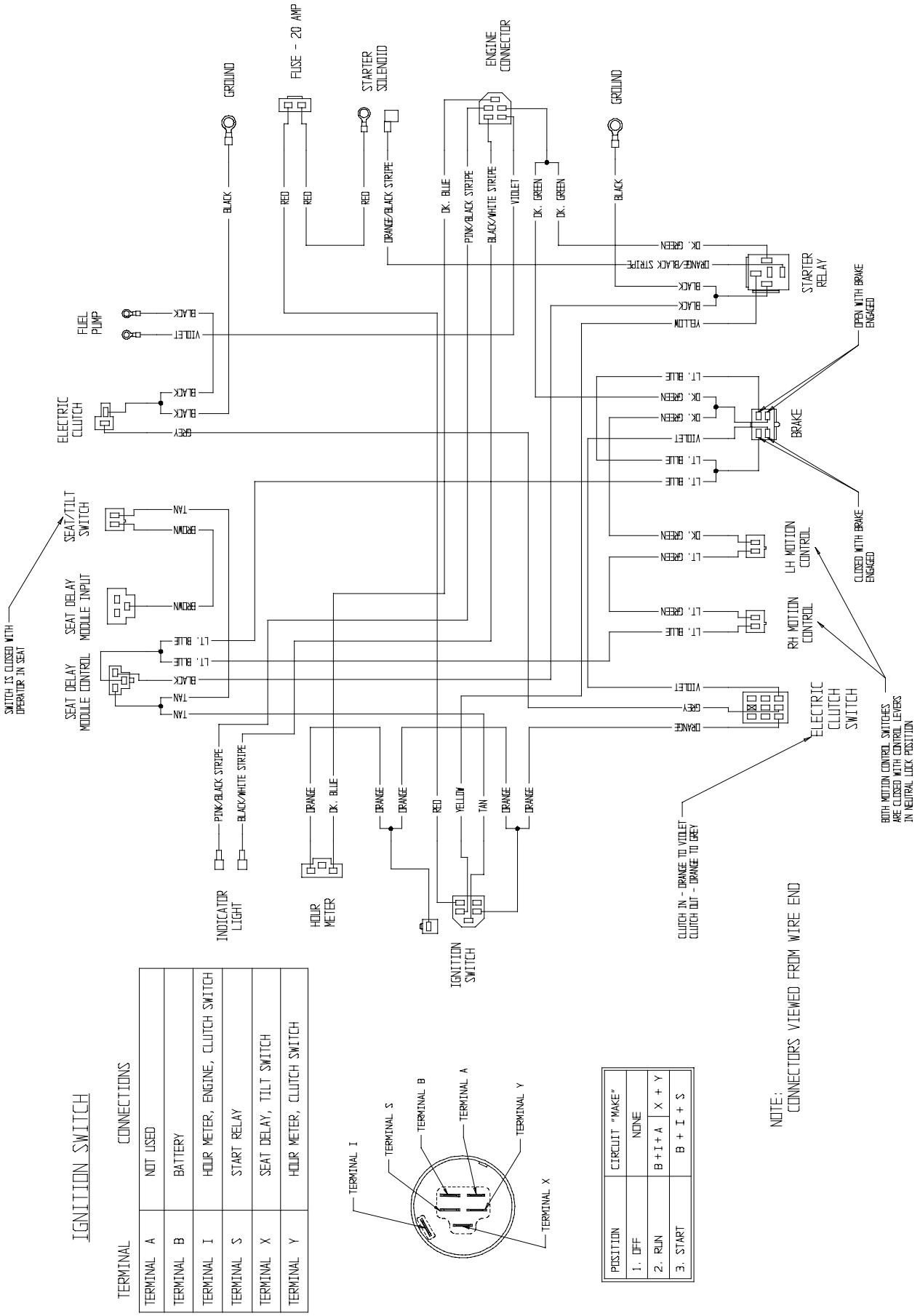
TERMINAL	CONNECTIONS
TERMINAL A	FAN RELAY
TERMINAL B	BATTERY
TERMINAL I	HOUR METER, ENGINE, CLUTCH SWITCH
TERMINAL S	START RELAY
TERMINAL X	SEAT DELAY, TILT SWITCH
TERMINAL Y	HOUR METER, ENGINE, CLUTCH SWITCH

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

KAWASAKI 23 HP LIQUID-COOLED ELECTRICAL DIAGRAM



KOHLER 26 HP EFI ELECTRICAL DIAGRAM



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

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

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