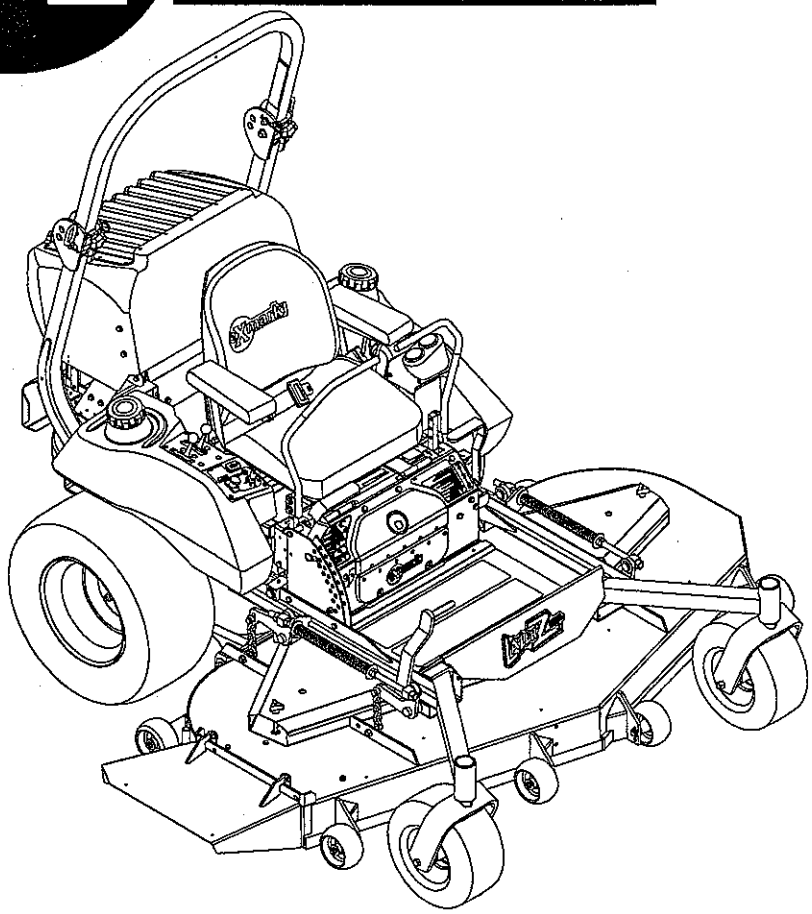
For Serial Nos.
440,000 & Higher

eXmark® MFG. CO. INC.



PARTS MANUAL

LAZER Z®

LIQUID-COOLED MODELS

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

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

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

Model No. _____

Serial No. _____

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

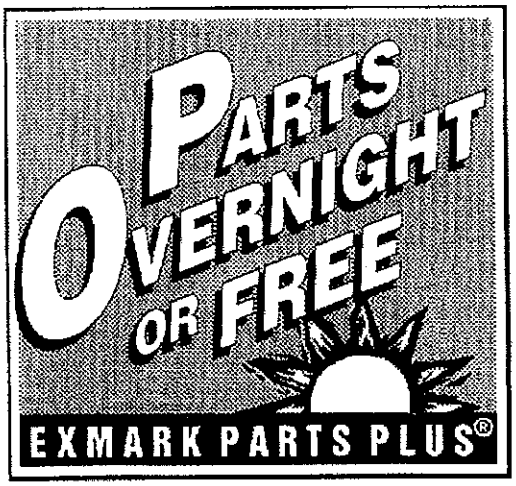
Engine Serial No. (E/No) _____

Date Purchased _____

Part No. 103-5506 Rev. D

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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60" DECK GROUP

Item	Part No.	Description	Qty.
1	103-3184	Asm, Deck (103-3029-01) W/Decals	1
2	3217-46	Nut, Hex 3/4-16 Heavy	3
3	3256-24	Washer, 3/8 SAE	3
4	1-513208	Washer, Spring Disk	1
5	1-303334	Washer, 5/16 Spring Disk	1
6	32128-20	Nut, 5/16-18 Whizlock	8
7	1-602913-01	Baffle Wldmt, Discharge	1
8	322-2	Screw, 5/16-18 x 5/8	5
9★	1-603299	Roller, Antiscalp	6
10	3290-357	Nut, 3/8-16 Whizlock	8
11	1-373034	Washer, Pivot	8
12	1-603602	Bushing, Roller	6
13	98-5975	Washer, 3/8 Spring Disk	13
14●	98-5961	Screw, 3/8-16 x 4 Gr 8	6
■	98-5961	Screw, 3/8-16 x 4 Gr 8	7
15	103-5830-01	Chute, Discharge 60"	1
16	322-5	Screw, 5/16-18 x 1	4
17	3296-29	Nut, 5/16-18 Nyloc	4
18	1-633084-01	Shield, Belt 60"	2
19	1-323385	Knob, Belt Shield	6
20	1-322110	Belt Guide Wldmt	1
21	103-0862	Screw, 5/8-18 x 2 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	6
25	1-323417	Washer, Rubber	2
26	103-3330	Spring, Extension	1
27	322-6	Screw, 5/16-18 x 1 1/4	1
28●	103-4681	Bearing, Pivot	2
29✖	103-5693	Kit, Idler Arm (103-6528-01) W/Bearings	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
■	3256-4	Washer, 3/8 Std Flat	2
33	3296-39	Nut, 3/8-16 Nyloc	19
34●	323-13	Screw, 3/8-16 x 2 3/4	1
35	1-633109	Idler Pulley 6.00 Dia Flat	2
36	3234-11	Bolt, 3/8-16 x 1 Whizlock	1
37	1-633456	Bushing, Idler	2
38	323-8	Screw, 3/8-16 x 1 1/2	18

Item	Part No.	Description	Qty.
39	32128-37	Nut, 7/16-14 Whizlock	16
40	1-603805	Idler Pulley 5.06 O.D. V	1
41	1-633127	Belt, Blade Drive 60" Deck	1
42	1-633447	Chain	4
43	103-1898	Screw, 7/16-14 x 1 5/8 Sp	8
44■	103-3505	Seal, Double, Lip	1
45	3217-11	Nut, 5/8-11 Hex	2
46	103-2802	Washer, Spring Disk	3
47✳	103-3200	Cutter Housing Complete	3
48	323-6	Screw. 3/8-16 x 1	4
49	103-1072-01	Strut Wldmt, Deck	2
50✚	103-2794	Sheave, Blade Drive	3
51	1-633029	Spherical Rod End	2
52	327-11	Screw, 5/8-11 x 5	2
53	3253-8	Lockwasher,5/8 Reg.Spring	2
54	302-19	Zerk, 1/4-28 Straight	4
55	1-632199-01	Pin Wldmt, Deck Strut	2
56	3219-6	Nut, 5/8-18 Hex	3
57✚	103-2785	Spindle	3
58✚	103-3046	Sheave, Jackshaft Double	1
59	103-2982	Key, 1/4 x 3/16 x 3/4	3
60✚	1-643393	Jackshaft	1
61✚	103-1330	Guard, Bearing Top	3
62✚	103-2547	Housing W/Bearings	3
63	103-0865	Washer, Spring Disk 5/8	3
64	103-2535	Spacer, Guard Bottom	4
65	103-2530	Blade, Notched	3
	103-2510	Blade, Low Lift	3
✦	103-0301	Blade, Mulching	3
	103-1580	Blade, Solid	3
66	103-1081	Asm, Strut Long	2
67	103-3249	Jackshaft Assy	1
68✚	103-2544	Asm, Jackshaft Housing W/Brgs	1
69▲	103-3258	Complete Deck Assy	1
70■	103-2916	Guard, Top	1
71■	103-5677	Spacer	1
72■	103-3506	Seal, Single Lip	1
73■	32120-10	Ring, Retaining	2
74■	103-3504	Bearing, Spherical	2
75■	106-7159	O-ring	2

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.

✚ Apply Mobil HTS grease (P/N 103-5217 1.5 oz packet) (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 14.

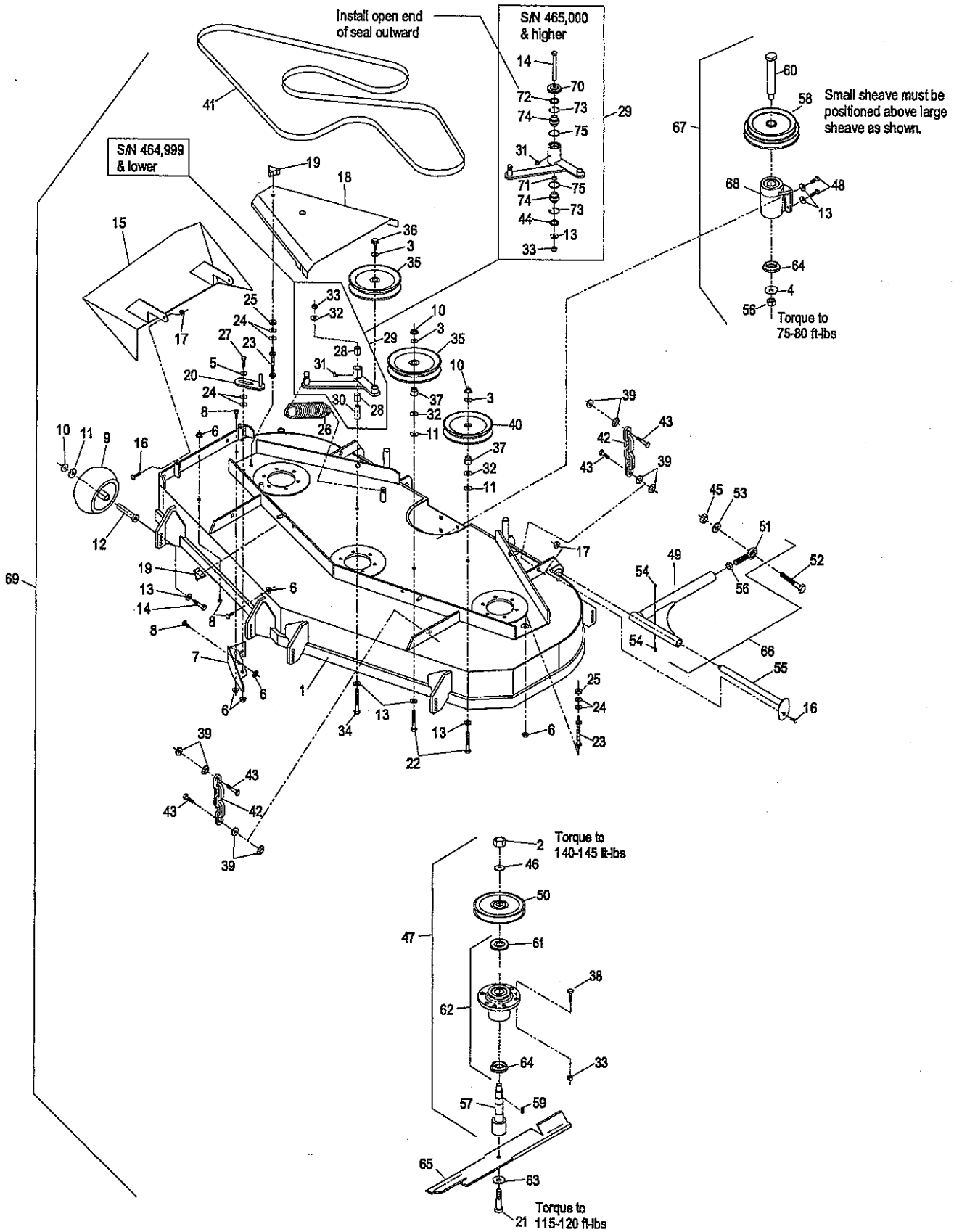
✳ Complete cutter housing assembly also includes items #63 & #21.

● This component is required for units with 464,999 and lower.

■ This component is required for units with 465,000 and higher.

✖ 103-5693 kit includes components shown for S/N 465,000 and higher and services all serial numbers.

60" DECK GROUP



72" DECK GROUP

Item	Part No.	Description	Qty.
1	1-643052	Belt, Blade Drive 72"	1
2	1-323385	Knob, Belt Shield	6
3	1-643076-01	Shield, Belt 72" RH (Shown)	1
	1-643075-01	Shield, Belt 72" LH	1
4	3234-11	Bolt, 3/8-16 x 1 Whizlock	1
5	3256-24	Washer, 3/8 SAE	3
6	1-633109	Idler Pulley 6.00 Dia Flat	2
7	103-3330	Spring, Extension	1
8	3290-357	Nut, 3/8-16 Whizlock	8
9	1-633456	Bushing, Idler	2
10●	3256-4	Washer, 3/8 Std Flat	3
■	3256-4	Washer, 3/8 Std Flat	2
11	1-373034	Washer, Pivot	8
12	3296-39	Nut, 3/8-16 Nyloc	19
13●	103-4681	Bearing, Pivot	2
14	1-513208	Washer, Spring, Disk	1
15●	1-603044	Bushing, Idler Pivot	1
16	103-2802	Washer, Spring, Disk 3/4	3
17	3219-6	Nut, 5/8-18 Hex	3
18✚	103-2544	Asm, Jackshaft Housing W/Brgs	1
19✚	103-2795	Sheave, Blade Drive	3
20	1-303334	Washer, 5/16 Spring, Disk	1
21	1-322110	Belt Guide Wldmt	1
22✖	103-5693	Kit, Idler Arm (103-6528-01) W/Bearings	1
23	32128-20	Nut, 5/16-18 Whizlock	8
24	323-6	Screw, .3/8-16 x 1	4
25	98-5975	Washer, 3/8 Spring, Disk	13
26	32128-37	Nut, 7/16-14 Whizlock	16
27	103-1898	Screw, 7/16-14 x 1-5/8	8
28	1-633447	Chain	4
29	3217-11	Nut, 5/8-11 Hex	2
30	3253-8	Lockwasher, 5/8 Reg.Spring	2
31	1-633029	Spherical Rod End	2
32	327-11	Screw, 5/8-11 x 5	2
33	103-1073-01	Strut Wldmt, Deck	2
34	1-632199-01	Pin Wldmt, Deck Strut	2
35	302-19	Zerk, 1/4-28 Straight	4
36	323-8	Screw, 3/8-16 x 1 1/2	18
37	1-323417	Washer, Rubber	2
38	3256-3	Washer 5/16 Std Flat	4

Item	Part No.	Description	Qty.
39	1-303537	Stud, Belt Shield	2
40	103-1591	Asm, Deck (103-3032-01) W/Decals	1
41	3217-46	Nut, HH 3/4-16 Heavy	3
42	103-0865	Washer, Spring Disk 5/8	3
43	103-2982	Key, 1/4x3/16x3/4	3
44✚	103-3046	Sheave, Double	1
45✚	1-643393	Jackshaft	1
46	103-2535	Spacer, Guard Bottom	4
47✚	103-1330	Guard, Bearing Top	3
48✚	103-2547	Housing W/Bearings	3
49	103-2531	Blade, Notched	3
◆	103-2521	Blade, Mulching	3
	103-2511	Blade, Low Lift	3
	103-1581	Blade, Solid	3
50	103-0862	Screw, 5/8-18 x 1 Gr 8	3
51	323-11	Screw, 3/8-16 x 2 1/4	2
52●	323-13	Screw, 3/8-16 x 2 3/4	1
53	1-602913-01	Baffle Wldmt, Discharge	1
54	322-2	Screw, 5/16-18 x 5/8	5
55●	98-5961	Screw, 3/8-16 x 4 Gr8	6
■	98-5961	Screw, 3/8-16 x 4 Gr8	7
56	1-603602	Bushing, Roller	6
57★	1-603299	Roller, Anti-Scalp	6
58	322-5	Screw, 5/16-18 x 1	5
59	1-642071-01	Chute, Discharge 72"	1
60	3296-29	Nut, 5/16-18 Nyloc	4
61	302-40	Zerk, 1/4-20 90°	1
62	1-603805	Idler Pulley 5.06 O.D. V	1
63✚	103-2785	Spindle	3
64✳	103-3206	Cutter Housing Complete	3
65	103-1083	Asm, Strut 72" Long	2
66	103-3249	Jackshaft Assy	1
67▲	103-3259	Complete Deck Asm	1
68■	103-3505	Seal, Double, Lip	1
69■	103-2916	Guard, Top	1
70■	103-5677	Spacer	1
71■	103-3506	Seal, Single Lip	1
72■	32120-10	Ring, Retaining	2
73■	103-3504	Bearing, Spherical	2
74■	106-7159	O-ring	2

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.

✚ Apply Mobil HTS grease (P/N 103-5217 1.5 oz packet) (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 #26, #27, #28, and #65 and includes mule drive belt from page 14.

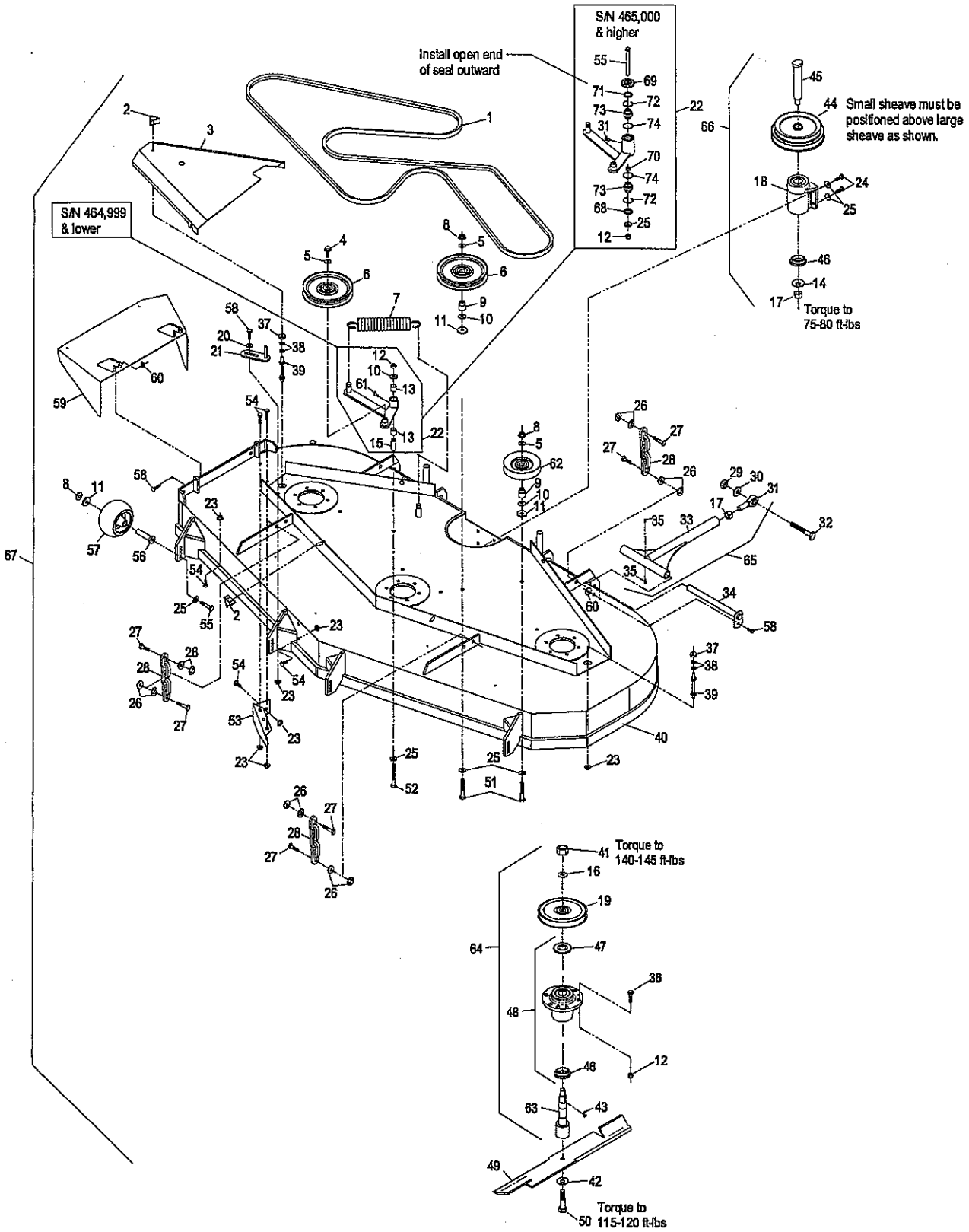
✳ Complete cutter housing assembly also includes items #42 & #50.

● This component is required for units with 464,999 and lower.

■ This component is required for units with 465,000 and higher.

✖ 103-5693 kit includes components shown for S/N 465,000 and higher and services all serial numbers.

72" DECK GROUP



FRONT FRAME GROUP

Item	Part No.	Description	Qty.
1▲	103-5474	Asm, Front Frame, 60"	1
▲	103-5475	Asm, Front Frame, 72"	1
2	302-19	Zerk, 1/4-28 Straight	5
3	106-6572	Pad, Antiskid	2
4	1-633553	Pad, Anti Skid	2
5	103-2084	Asm, Lever(103-2083-03)W/Grip	1
6	1-633295	Grip, Lift Lever	1
7	103-2064-03	Arm Wldmt, Deck Lift	1
8	1-633325	Spring, Compression	1
9	3256-24	Washer, 3/8 SAE Flat	1
10	3296-39	Nut, Nyloc 3/8-16	5
11	32151-103	E-Ring	5
12	1-633068	Arm, Deck Lift	2
13	1-633889-01	Plate, Deck Lift	1
14	1-632899-01	Plate Wldmt, Deck Lift	1
15	1-633082	Bushing, Lift Lever	1
16	1-633080	Bushing, Lift Lever	1
17	323-13	Screw, 3/8-16 x 2 3/4	1
18	1-633097	Hitch Pin W/Lanyard	1
19	1-806005	Hairpin Cotter	1
20	323-9	Screw, 3/8-16 x 1 3/4	2
21	98-5975	Washer, 3/8 Disc Spring	12
22	3290-357	Nut, Whizlock 3/8-16	15
23	323-6	Screw, 3/8-16 x 1	1
24	323-7	Screw, 3/8-16x1 1/4	12
25	3256-29	Washer, 7/8 SAE Flat	4
26	1-633096	Rod, Deck Lift	2
27	3217-11	Nut, 5/8-11 Regular (60")	8
	3217-11	Nut, 5/8-11 Regular (72")	6
28	1-633441	Swivel, Deck Mount	4
29	3256-7	Washer, 5/8 Std Flat	4
30	1-633064	Spring, Deck Support (60")	2
	1-643015	Spring, Deck Support (72")	2
31	103-4882	Cap, Grease	2
32	3218-6	Jam Nut, 5/8-11 (60")	4

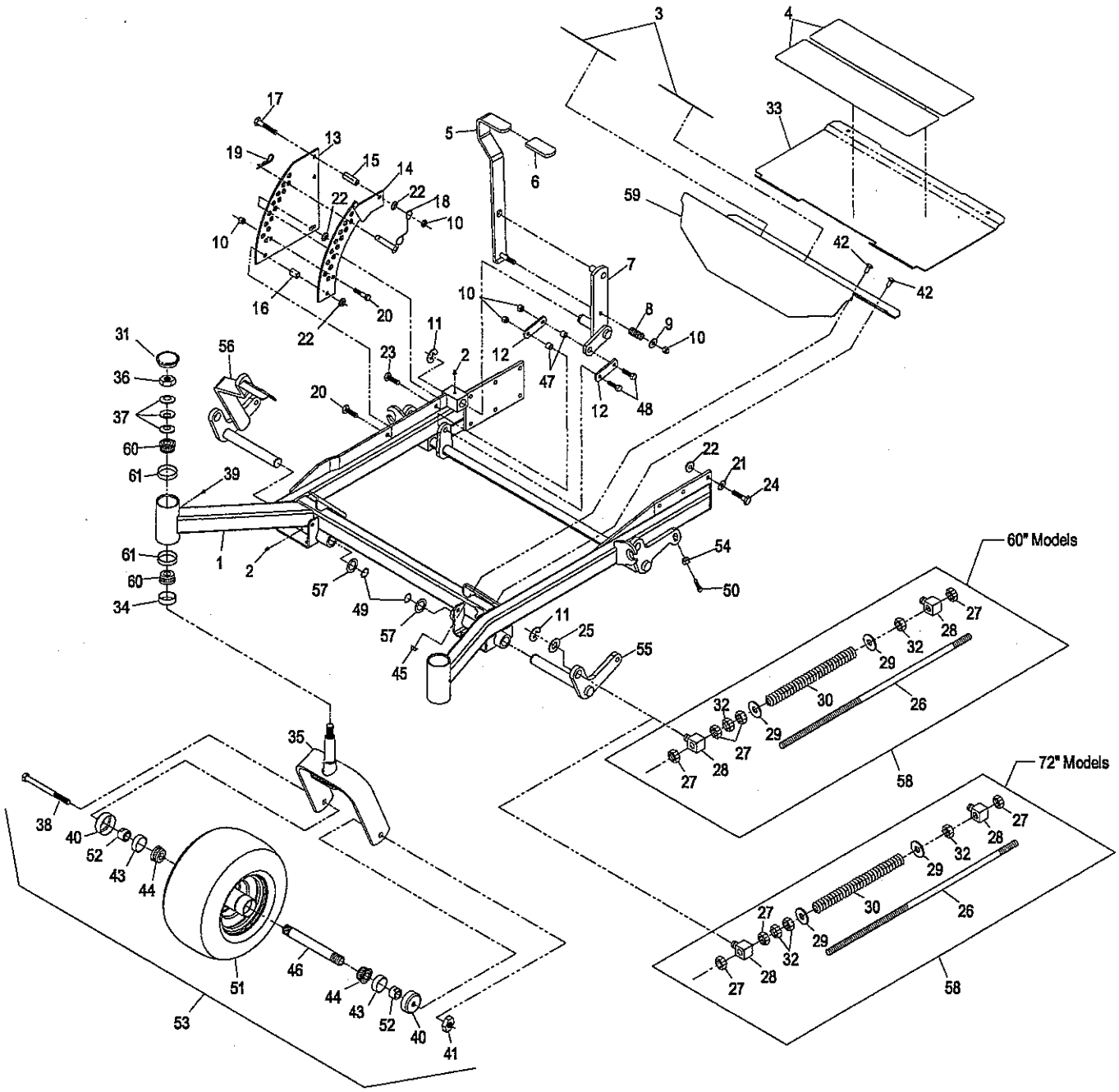
Item	Part No.	Description	Qty.
	3218-6	Jam Nut, 5/8-11 (72")	6
33	103-3528	Asm, Floorpan (103-3241-01) W/Pads & Decals	1
34	1-543511	Seal, Grease	2
35	103-1474-01	Caster Wldmt	2
36	3296-51	Nut, 3/4-10 Nyloc	2
37	1-633508	Washer, Spring Disk	6
38	325-39	Screw, 1/2-13 x 9 1/2	2
39	1-811010	Plug	2
40	103-2768	Guard, Seal	4
41	3296-23	Nut, 1/2-13 Nyloc	2
42	3230-1	Bolt, Carriage 5/16-18 x 3/4	4
43	103-0063	Seal, Bearing	4
44	1-633585	Bearing Cone	4
45	32128-20	Nut, Whizlock 5/16-18	4
46	103-5156	Axle, Caster	2
47	103-1918	Bushing	2
48	323-29	Screw, 3/8-16 x 1 3/8	2
49	32151-29	Ring, Retaining	2
50	3274-18	Screw, Socket HD 5/16-18x1 1/4	2
51	1-523009	Tire, 13x6.5-6 4 Ply (Pneumatic)	2
52✚	103-3051	Spacer, Nut	4
53	103-5188	Asm, Caster Wheel (Pneumatic)	2
	103-3799	Asm, Caster Wheel (Semi-Pneumatic)	2
54	3218-2	Jam Nut, 5/16-18	2
55	103-1955-01	Weldmt, Front Lift Shaft (LH)	1
56	103-2013-01	Weldmt, Front Lift W/Lever(RH)	1
57	1-523157	Washer, Spacer	2
58	1-634439	Asm, Deck Lift Spring (60")	2
	103-2047	Asm, Deck Lift Spring (72")	2
59	103-3527	Asm, Floorpan (103-3242-01) W/Pads & Decals	1
60	1-543509	Bearing Cone, Tapered Roller	4
61	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, .5ml tube) on spacer nut, Item #52.

▲ Includes frame weldment plus items #31, #34, #39, #49, #55, #56, #57 and #61.

FRONT FRAME GROUP



MAINFRAME GROUP

Item	Part No.	Description	Qty.
1	1-643255	Track, Seat (4" Adjustable)	1
2●	103-3524	Seat	1
3	1-543401	Spacer, Seat Track	2
4	322-3	Screw, 5/16-18 x 3/4	6
5	103-3521	Cushion, Seat	1
6	103-3520	Cushion, Backrest	1
7	103-0292	Cushion, Armrest (RH)	1
8✳	103-0291	Cushion Armrest (LH)	1
9	1-633859	Seat Frame	1
10	3256-3	Washer, 5/16 Std Flat	2
11	103-5245	Asm, Frame (103-5690-03) W/Decals	1
12	103-2743	Wheel/Tire Assy.	2
	103-2744	Tire, 24x12-12 4 Ply	2
	1-633992	Wheel	2
13	103-5254	Asm, Console (103-3665-03) W/Decals	1
14	103-4423	Asm, Seat Frame	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	8
20	3296-29	Nut, Nyloc 5/16-18	5
21	3296-39	Nut, Nyloc 3/8-16	5
22	3290-357	Nut, Whizlock 3/8-16	8
23	32128-20	Nut, Whizlock 5/16-18	8
24	323-20	Screw, 3/8-16 x 3-1/4	1
25	3256-24	Washer, 3/8 SAE Flat	1
26	107-3155	Cotter, Hair Pin Double Loop	2
27	107-3083	Latch, Seat	1
28	322-4	Screw 5/16-18 x 7/8	2
29	1-513658	Bumper	2

Item	Part No.	Description	Qty.
30	3256-23	Washer, 5/16 SAE Flat	10
31	103-4434	Grip	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	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	3212-4	Screw, 7/16-20 x 1.00	2
39	3296-38	Nut, Nyloc 7/16-20	2
40	103-4469	Kit, Seat Belt	1
41	107-0075	Bushing	1
42	107-0076	Spring	1
43	107-3058	Catch, Seat Latch	1
44	3256-14	Washer, #10 STD Flat	8
45	32122-28	Screw, Truss HD #10-24 x 1	4
46	1-803075	Screw, Truss HD #10-24 x 3/4	2
47	3290-500	Screw, Pan Head #10-24 x 5/8	2
48	103-3790	Latch, Cubby Door	1
49	103-3666	Asm, Cubby	1
50	323-7	Screw, Hex Cap 3/8 x 1 1/4	2
51	107-3154	Nut, Push 3/8-16	4
52	98-5975	Washer, Spring Disk 3/8	8
53	323-8	Screw, 3/8-16 x 1 1/2	4
54	323-23	Screw, 3/8-16 x 4 1/2	2
55	325-13	Screw, 1/2-13 x 3 1/4	2
56■	103-4553	Asm, ROPS Fold Pin	2
57	107-3124	Clip	2
58	106-0887	Knob	2
59	32128-23	Nut, Hex Flange Side Lock 1/2-13	2
60◆	FRPSLZ	Kit, XP ROPS Service	1

Exmark black touch up spray paint - gloss black.

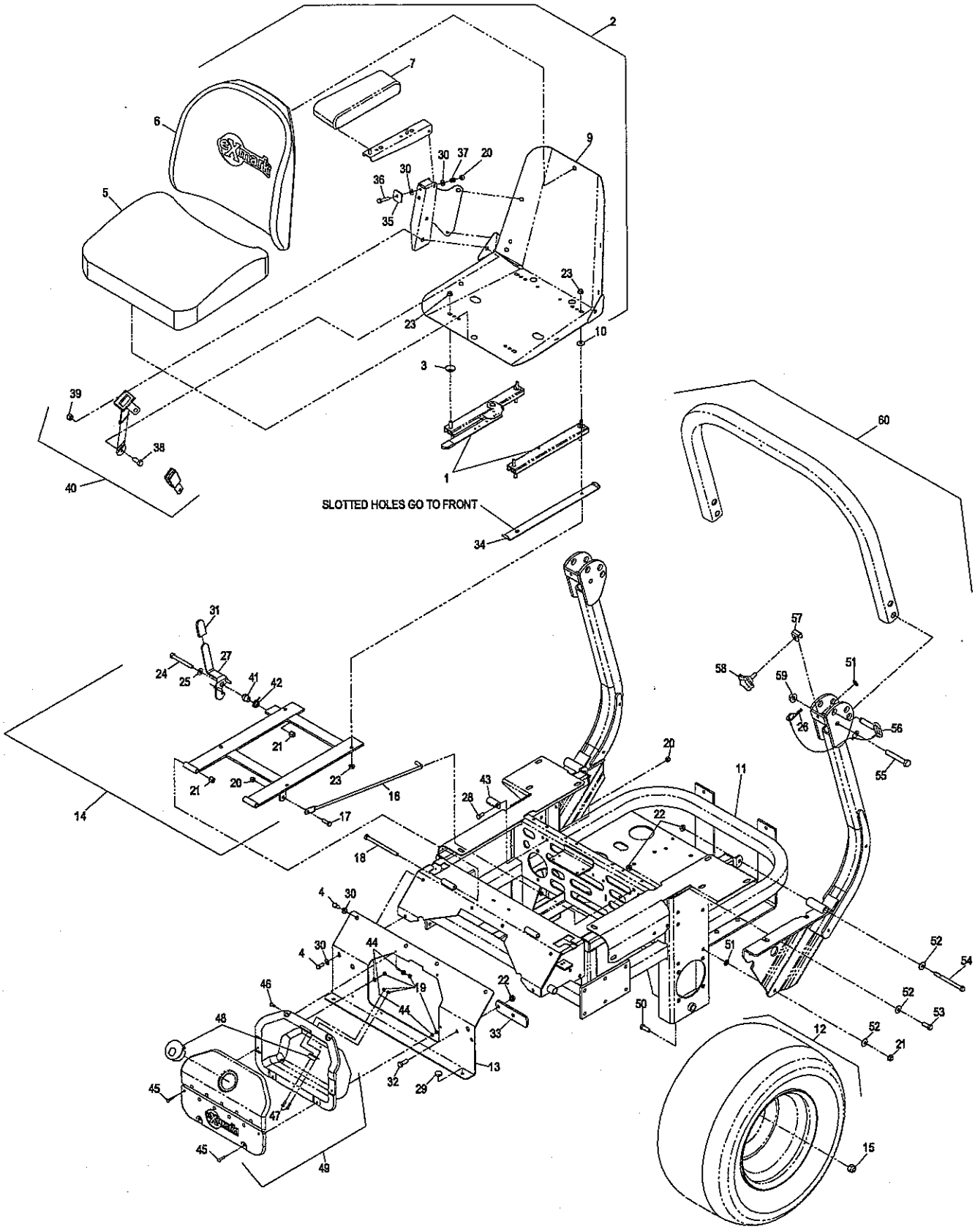
✳ Not illustrated.

■ Includes ROPS fold pin plus hairpin, item #26.

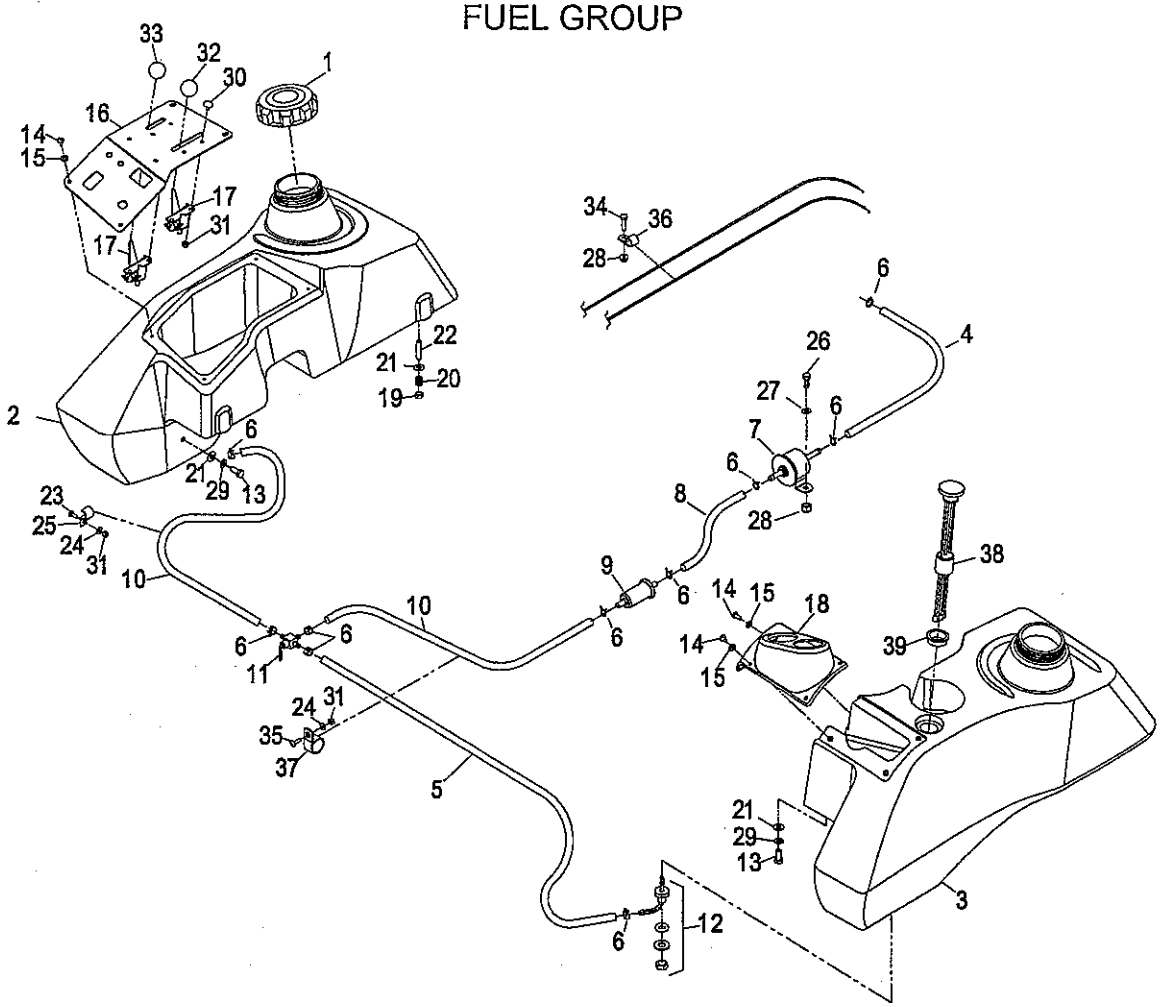
◆ Rollover protection frame is serviced as a complete assembly only. Includes complete ROPS frame, mounting hardware, fold pivot and locking hardware, seat frame assembly item #14, catch item #43, and seat belt assembly item #40.

● Includes armrests, armrest adjuster hardware and seat back decal. Does not include seat belt or tracks.

MAINFRAME GROUP



FUEL GROUP

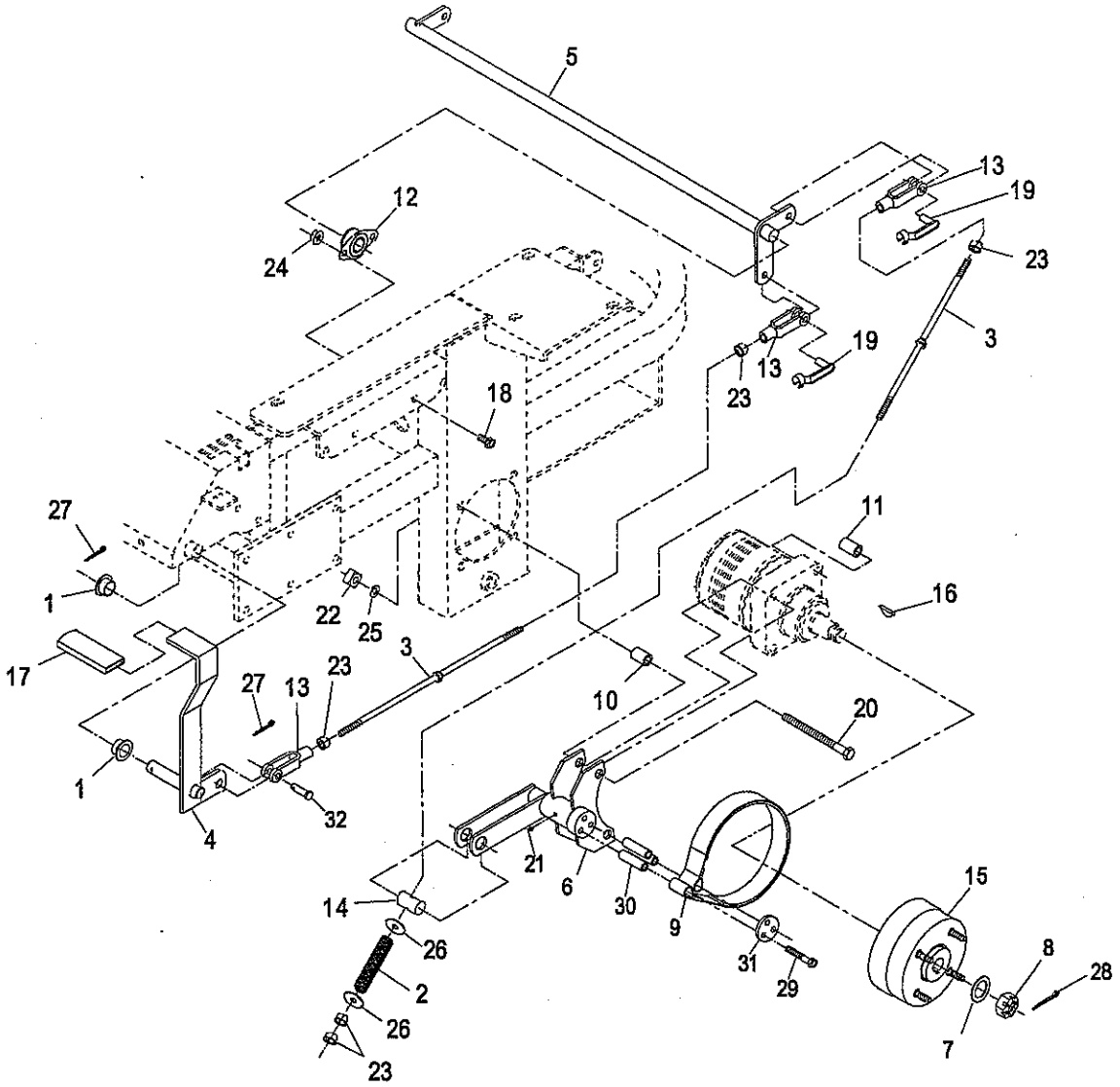


Item	Part No.	Description	Qty.
1	103-2107	Cap, Fuel Tank	2
2✳	103-4925	Asm, Tank Fuel (RH)	1
3✳	103-4926	Asm, Tank Fuel (LH)	1
4	103-1335	Fuel, Line	1
5	103-1419	Fuel Line	1
6	1-303077	Clamp, Fuel Line	10
7✚	**Kawasaki**	P/N 49040-2065 Fuel Pump	1
8	1-643270	Fuel Line	1
9✚	**Kawasaki**	P/N 49019-1055 Fuel Filter	1
10	1-543526	Fuel Line	2
11	1-633347	Valve, Fuel	1
12●	103-2605	Fitting, Fuel Blkhd W/Screen	2
	103-2784	O-Ring	2
13	322-3	Screw, 5/16-18 X 3/4	4
14■	32122-30	Screw, Phillips Truss HD #10-24 X 1/2	8
15	1-303435	Washer, Disc Spring 1/4	8
16	103-5252	Asm, Control Panel W/Decals	1
17	103-4091	Cable, Throttle	2
18	103-3684	Bezel, Gauge	1
19	3296-47	Nut, Thin Nyloc 5/16-18	6

Item	Part No.	Description	Qty.
20	1-633349	Spring, Fuel Tank	6
21	3256-23	Washer, 5/16 SAE	10
22◆	1-633023	Stud, Fuel Tank	6
23	1-807533	Bolt, Carriage #10-24 X 5/8	1
24	3256-14	Washer, Flat #10	2
25	103-1193	Clip, Loom Half	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	3
29	1-805005	Washer, Lock 5/16	4
30	1-807513	Bolt, Carriage #10-24 X 1/2	4
31	3296-2	Nut, Nyloc #10-24	6
32	1-513592	Knob, Red (Throttle)	1
33	1-513593	Knob, Black (Choke)	1
34	321-6	Screw, 1/4-20 X 1	1
35	1-803075	Screw, Truss HD #10-24 X 3/4	1
36	1-513762	Clip, Loom (.50)	1
37	1-643312	Clip, Loom	1
38	99-7262	Gage, Fuel	1
39	95-8972	Grommet	1

✚ Refer to Engine Owner's Manual (Fuel Filter **Must** be 40 Micron or smaller).
● Use Pro-lock, Nut type (Part No. 1-840022), .5ml tube on fuel fitting.
◆ Use Pro-lock, Retaining Type (Part No. 1-840023), .5cc tube on stud threads going into the tank.
✳ Includes: tank, cap, fitting & studs. LH tank also includes fuel gauge.
■ Snug fit only on slotted holes, **Do Not Overtighten**, tank must be able to expand.

PARK BRAKE GROUP



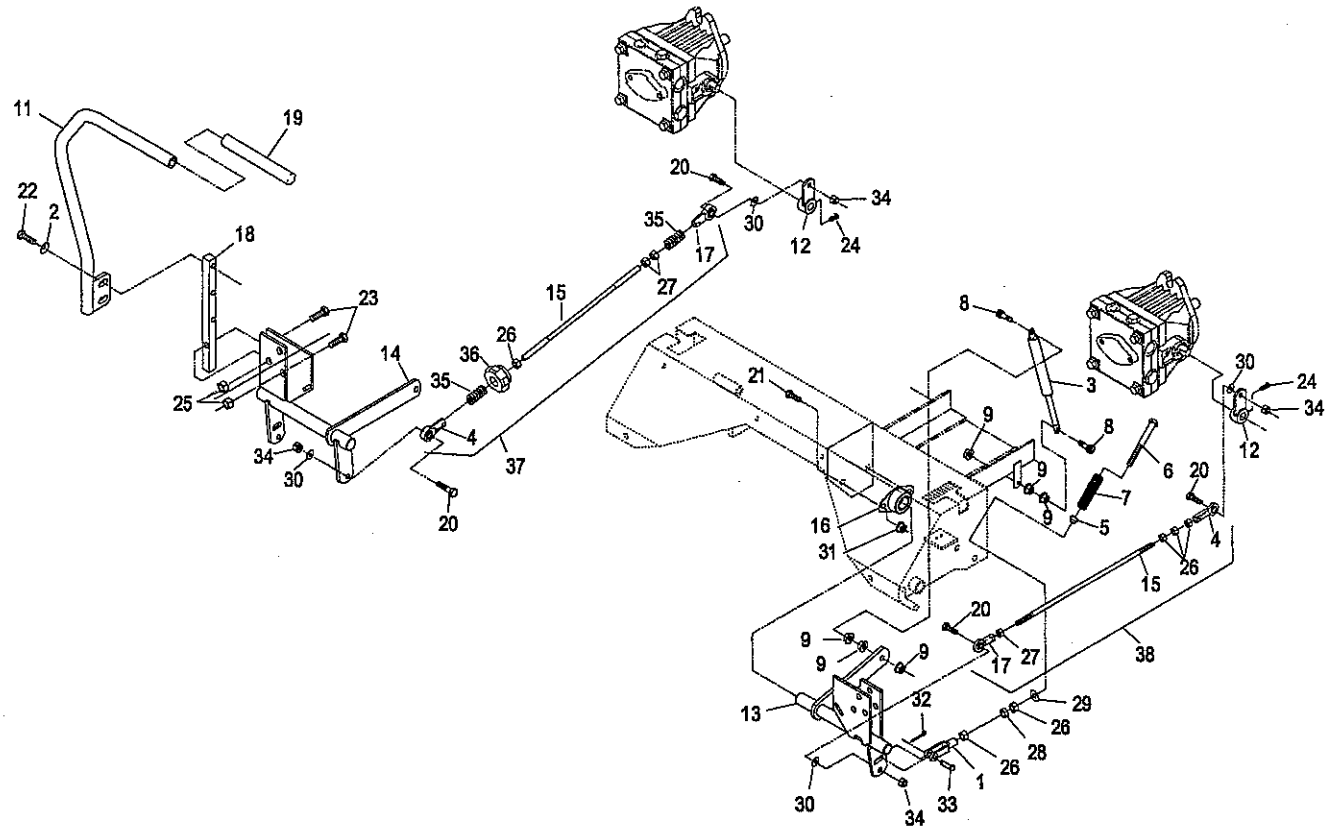
Item	Part No.	Description	Qty.
1	1-513140	Bushing	2
2	1-633454	Spring, Brake Rod	2
3	1-633477	Rod, Brake	3
4	1-634500	Lever (1-632489-03)W/Grip	1
5	1-632217-03	Shaft, Brake	1
6	103-0352-03	Bracket, Brake (60")	2
	103-0354-03	Bracket, Brake (72")	2
7	1-523157	Washer, Spacer	2
8	1-809036	Nut, Slotted 1.00-20	2
9	103-0355	Band, Brake	2
10	1-633380	Spacer (Short)(60")	4
*	1-633060	Spacer (Short) (72")	4
11	1-633382	Spacer (Long)(60")	4
*	1-633062	Spacer (Long)(72")	4
12	1-633102	Bearing, Flange	2
13	1-633131	Yoke	4
14	1-633144	Pin, Trunion	2
15	103-0590	Hub & Drum W/Studs, Wheel	2
*	1-633926	Studs, Wheel	8

Item	Part No.	Description	Qty.
16	3257-42	Key, Woodruff 5/16 x 1	2
17	1-633268	Grip, Brake Lever	1
18	323-4	Screw, 3/8-16 x 3/4	4
19	103-2399	Pin, Clevis Spring 3/8	3
20	325-17	Screw, 1/2-13 x 4 (60")	8
	325-20	Screw, 1/2-13 x 6 (72")	8
21	1481	Zerk, 1/4-28 45° (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	2
28	1-806800	Pin, Cotter 9/64 x 1 1/2	2
29	322-9	Screw, 5/16-18 x 1 3/4	6
30	103-0384	Spacer	6
31	103-0374	Retainer, Brake Band	2
32	1-808285	Pin, Clevis 3/8 x 1 1/4	1

Exmark black touch up spray paint - gloss black.

* Not Illustrated.

MOTION CONTROL GROUP



Item	Part No.	Description	Qty.
1	1-303105	Yoke	2
2	98-5975	Washer, Disc Spring 3/8	4
3	103-4079	Damper	2
4	1-543017	Ball Joint (RH)	2
5	1-603735	Bushing, Nylon (Reverse Ind)	2
6	1-603737	Bolt, (Neutral Return)	2
7	1-603807	Spring, (Neutral Return)	2
8	1-403180	Screw, 5/16-18x1 3/8 Sp	4
9	32128-20	Nut, Whizlock 5/16-18	12
10*	103-3457	Handle (103-3326-03) W/Grip (LH)	1
11	103-3458	Handle (103-3327-03) W/Grip (RH)	1
12	1-632208	Arm, Pump Control	2
13	103-4781	Bracket, Motion Control (LH)	1
14	103-4782	Bracket, Motion Control (RH)	1
15	103-3064	Link, Tracking Rod	2
16	1-633102	Bearing, Flanged	4
17	1-633152	Ball Joint (LH)	2
18	103-0407	Arm, Control Shaft	2
19	103-3456	Grip, Motion Control Handle	2

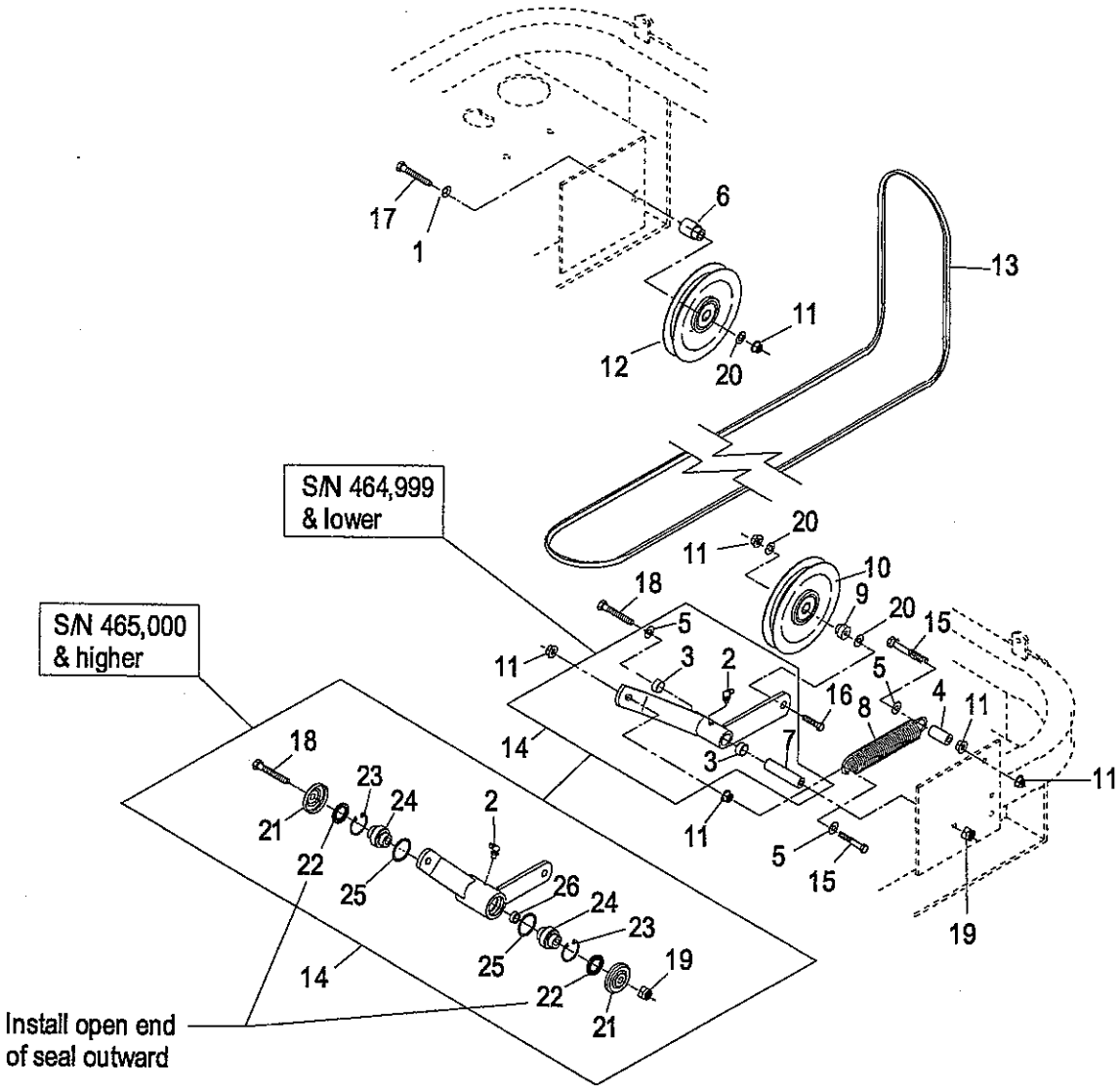
Item	Part No.	Description	Qty.
20	322-6	Screw, 5/16-18 x 1 1/4	4
21	323-4	Screw, 3/8-16 x 3/4	8
22	323-7	Screw, 3/8-16 x 1	4
23	323-9	Screw, 3/8-16 x 1 3/4	6
24✚	1-803022	Set Screw, 5/16 x 5/8	2
25	3296-39	Nut, Nyloc 3/8-16	6
26	3219-2	Nut, 5/16-24	8
27	1-804524	Nut, 5/16-24 (LH)	3
28	3220-2	Nut, Jam 5/16-24	2
29	3256-2	Washer, 1/4	2
30	3256-3	Washer, 5/16 Std	4
31	3290-357	Nut, Whizlock 3/8-16	8
32	3272-5	Pin, Cotter 3/32 x 1/2	2
33	1-808280	Pin, Clevis 5/16 x 1	2
34	3296-29	Nut, Nyloc 5/16-18	4
35	1-323245	Spring, Compression	2
36	103-3060	Knob, Tracking	1
37	103-4330	Asm, Tracking Rod	1
38	103-4332	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.

ENGINE DECK GROUP



Item	Part No.	Description	Qty.
1	98-5975	Washer, Spring Disc 3/8	1
2	302-40	Zerk, 1/4-20 (90°)	1
3●	1-513034	Bearing	2
4	1-603401	Spacer, Spring	1
5●	3256-4	Washer, 3/8 Std	3
■	3256-4	Washer, 3/8 Std	2
6	103-2627	Bushing, Idler	1
7●	1-603384	Bushing, Idler Pivot	1
8	1-603402	Spring, Mule Idler	1
9	1-603496	Bushing, Idler	1
10	1-603805	Pulley, Idler	1
11	3290-357	Nut, Whizlock 3/8-16	6
12	1-633166	Pulley, Idler	1
13	103-4014	Belt, Mule Drive	1

Item	Part No.	Description	Qty.
14✖	103-5695	Kit, Idler Arm (103-4593-03) W/Bearings	1
15	323-11	Screw, 3/8-16 x 2 1/4	2
16	323-9	Screw, 3/8-16 x 1 3/4	1
17	323-13	Screw, 3/8-16 x 2 3/4	1
18	1-800805	Screw, 3/8-16 x 3 1/2 Gr8	1
19	3296-39	Nut, Nyloc 3/8	1
20	3256-24	Washer, 3/8 SAE	3
21■	103-2916	Guard, Top	2
22■	103-3506	Seal, Single Lip	2
23■	32120-10	Ring, Retaining	2
24■	103-3504	Bearing, Spherical	2
25■	106-7159	O-ring	2
26■	103-5677	Spacer	1

Exmark black touch up spray paint - gloss black.

● This component is required for units with 464,999 and lower.

■ This component is required for units with 465,000 and higher.

✖ 103-5695 kit includes components shown for S/N 465,000 and higher and services all serial numbers.

ENGINE DECK GROUP (cont.)

Item	Part No.	Description	Qty.
1	103-3342	Asm, Radiator Trim (1-633902-03) W/Decals	1
2	1-643161	Cap, Radiator	1
3	103-1046	Radiator, Horiz. Mount	1
4	322-1	5/16-18 x 1/2 HHC Screw	12
5	3256-23	Washer, Flat SAE 5/16	14
6	103-3343	Asm, Fan Mount Plate (1-633888-03) W/Decals	1
7	1-803067	Screw, 12-24 x1 HSWHMach	4
8	3256-16	Washer, Flat Std #12	8
9	1-804254	Nut, Nyloc HH #12-24	4
10	1-633831	Fan Assy, 12" Hi Profile	1
11	1-633989	Clamp, Hose-Worm .75-1.50	4
12	103-0074	Hose, Radiator Inlet	1
13	103-0075	Hose, Rad. Outlet	1
14	103-1557	Muffler, Kit	1
15	321-3	Screw, Cap HH 1/4 x 20-.625	1
16	98-5975	Washer, Disc Spring 3/8	6
17	1-633988	Spacer, Clutch Anchor	1
18	1-633396	Clip, Loom .56	1
19	93-2195	Element, Filter Primary	1
20	95-5806	Bracket, Air Cleaner Mount	1
21	322-6	Screw, Cap 5/16-18 x 1-1/4	3
22	3296-29	Nut, Nyloc 5/16-18	2
23	3256-3	Washer, Flat Std 5/16	4
24	95-5805	Cleaner, Remote Air W/Filter	1
25	1-643009	Clamp, Hose 1.31-2.25	2
26	1-643084	Hose, Air Inlet	1
27	32128-20	Nut, Whizlock 5/16-18	2
28	1-643164	Cap, Overflow Tank	1
29	1-643163	Tank, Overflow (2.0 Pts)	1
30	1-643131	Hose, .25 ID x 22.00"	1
31	1-643259	Elbow, 90deg	1
32	1-513645	Bushing, Fuel Valve	1
33	103-2603-03	Bracket, Bottle	1
34	321-2	Screw, Cap Hex 1/4-20 x 1/2	1
35	1-303287	Tie, Cable 5 1/2 (Small)	3
36	1-643129	Hose, .31 ID x 27.00"	1
37	1-633851	Extension, Crankshaft	1

Item	Part No.	Description	Qty.
38	1-805005	Washer, Lock 5/16	3
39	33014-00	Nut, Hex M8	3
40	1-633869	Fan, Pump Cooling	1
41	3256-22	Washer, Flat SAE 1/4	3
42	1-809095	Screw, Hex Socket 1/4-20 x 1/2	3
43	103-0098	Shroud, Hydraulic Fan	1
44	3296-2	Nut, Nyloc #10-24	6
45	3256-14	Washer, Flat Std #10	12
46	3290-500	Screw, Mach #10-24 x 5/8	6
47	103-0895-03	Shield, Lh Liquid	1
48	1-633794-03	Shield, Rh Eng Shield	1
49	321-4	Screw, Cap HH 1/4-20x5/8	6
50	32128-33	Nut, Whizlock 1/4-20	6
51	33115-020	Screw, M10-1.5x20mm	2
52●	103-3244	Clutch (103-2453) Kit	1
	103-3012	Kit, Brake Pole Module	1
53	1-303335	Tie, Cable 7 15/16 (Large)	1
54	3256-3	Washer, 5/16 Std	1
55	1-613235	Washer	4
56	1-633543-03	Strap, Clutch/Brake	1
57	1-633545	Spacer, Grommet	2
58	1-633630	Grommet	2
59	322-19	Screw, Cap HH 5/16-18 x 4	1
60	103-0113	Clip, Loom	1
61	33115-025	Screw, M10-1.5 x 25mm	4
62	1-603610	Washer, Disc Spring 7/16	2
63▲	33115-035	Screw, Cap M10x1.5 x 35mm	1
64	94-3652	Cover W/Latch	1
65	1-643283	Latch, Air Cleaner	2
66	87-9400	Vacuator Valve	1
67	103-0114	Spacer, Clutch	1
68	103-0152	Keeper, Clutch	1
69	103-3068	Valve, Oil Drain	1
70	103-1564	Gasket, Exhaust	2
71	103-1511	Arrester, Spark (1.50)	1
72	103-1512	Clamp, Muffler (1.63)	1
73■	103-3247	Kit, Clutch Jumper Harness	1

Exmark black touch up spray paint - gloss black.

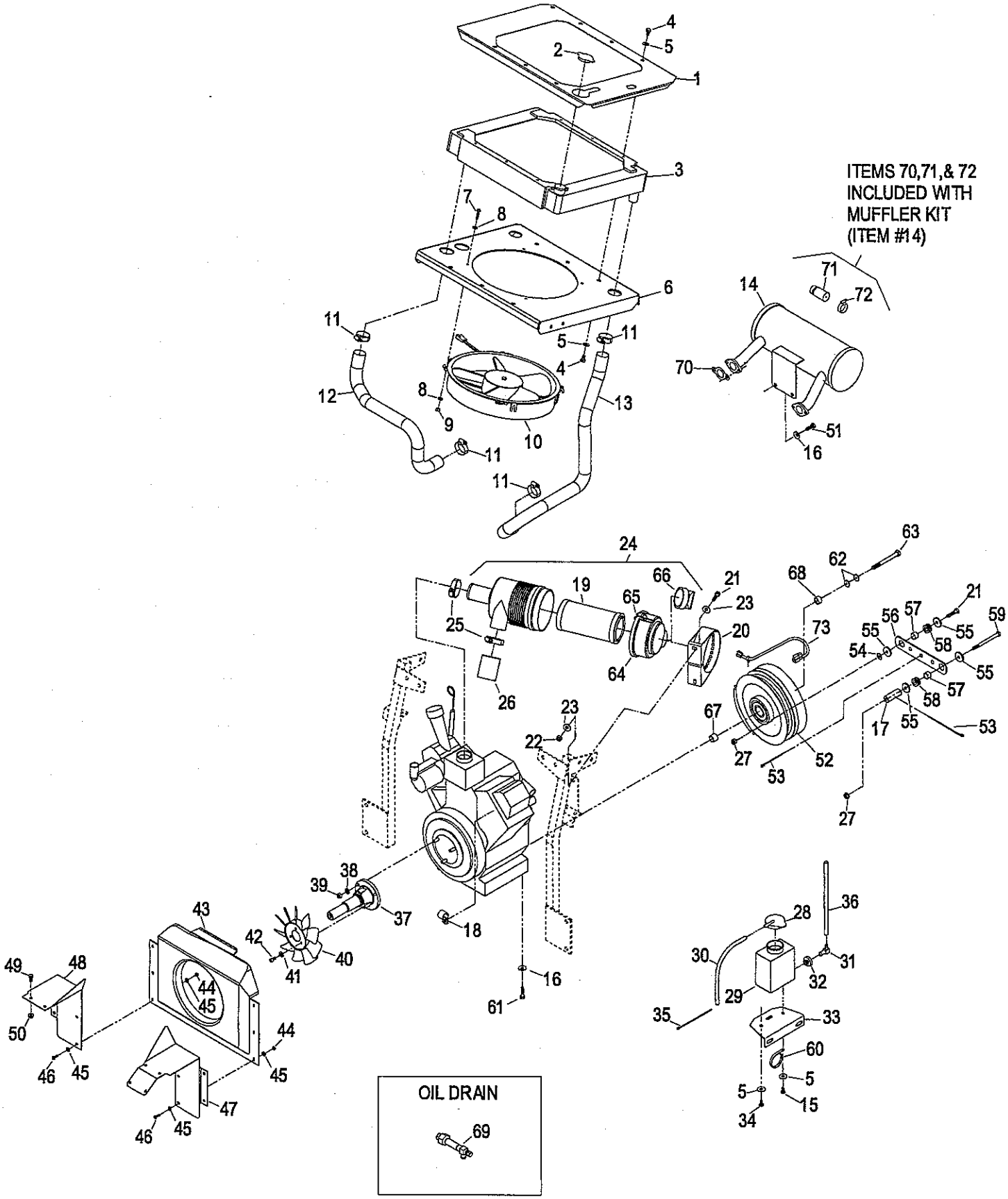
Replacement Engine Oil Filter - **Kawasaki** Part No. 49065-2078.

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

● Includes clutch and jumper harness kit item #73.

■ Includes jumper harness, clip and 2 plastic ties item #53.

ENGINE DECK GROUP (cont.)



ENGINE DECK GROUP (cont.)

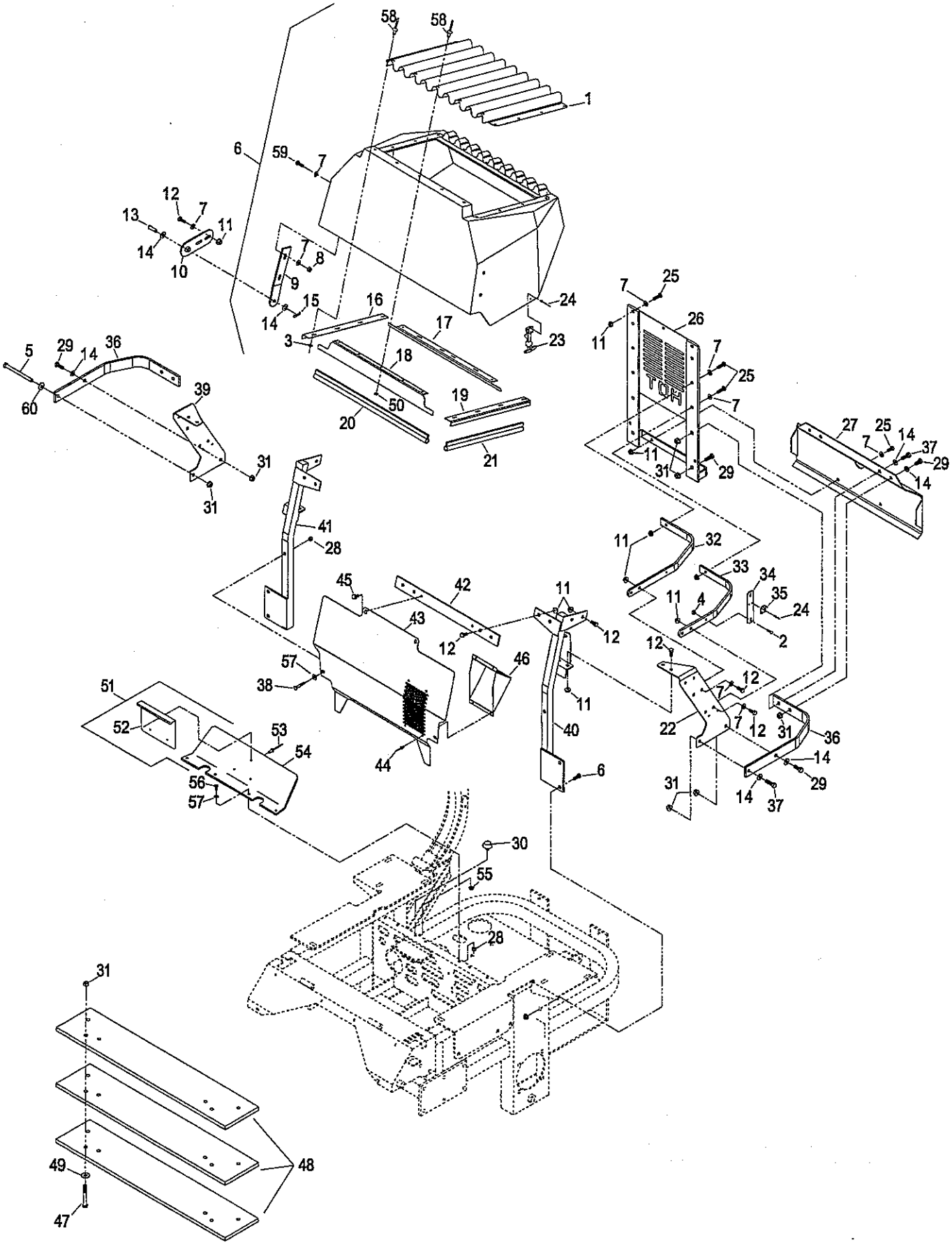
Item	Part No.	Description	Qty.
1	1-633864-03	Screen, Radiator Intake	1
2	1-803075	Screw,10-24 X 3/4	4
3	3256-14	Washer, Flat Std #10	8
4	3296-2	Nut, Nyloc #10-24	4
5	323-23	Screw, 3/8-16 X 4 1/2	2
6*	103-1044	Hood Assembly	1
7	3256-23	Washer, Flat Sae 5/16	21
8	3296-29	Nut, Nyloc 5/16-18	4
9	1-633885-03	Plate, Hood Hinge	2
10	1-632986-03	Hinge, Shackle Wld	2
11	32128-20	Nut, Whizlock 5/16-18	37
12	322-3	Screw, Cap 5/16-18 x 3/4	24
13	1-808285	Pin, Clevis 3/8 x 1 1/8	2
14	3256-24	Washer, Flat Sae 3/8	10
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 5/16-18 x 1	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 3/8-16 x 1	6
30	1-523420	Bumper, Rubber	2
31	3290-357	Nut, Whizlock 3/8-16	14

Item	Part No.	Description	Qty.
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 3/8-16 x 1-1/4	2
38	323-9	Screw, Cap HH 1/4-20 x 1 1/2	2
39	103-0897-03	Plate, Side Rad. Mnt. RH	1
40	103-0107-03	Brace, Radiator-LH	1
41	1-632985-03	Brace, Radiator-RH	1
42	1-633878-03	Crossbar	1
43	103-2870-03	Deflector, Air	1
44	3269-3	Rivet, Pop Stl 3/16 x 1/4	4
45	49-2040	Screw, Tapping 1/4-20 x 3/4	2
46	103-0110-03	Plenum, Air Intake	1
47	323-14	Screw, 3/8-16 x 3 (60")	4
	323-6	Screw, 3/8-16 x 1 (72")	4
48	103-2099-01	Weight Bar (60")	3
	100-2333-01	Weight Bar (72")	1
49	98-5975	Washer, 3/8 Disc Spring	4
50	1-303435	Washer, Spring Disc 1/4	5
51	103-3340	Asm, Lift Shield W/Decals	1
52	1-633300-03	Shield, Lift	1
53	1-803035	Rivet, Alum. 3/16 x 1/4	3
54	103-1308	Shield, Engine	1
55	32128-33	Nut, Whizlock 1/4-20	2
56	321-4	Screw, 1/4-20 x 3/4	4
57	3256-2	Washer, 1/4 Std	6
58	1-803072	Rivet, Bulbex .19 x 1.07	17
59	322-4	Screw, Cap HH 5/16-18 x 7/8	8
60	98-5975	Washer, Spring Disc 3/8	2

Exmark black touch up spray paint - gloss black.

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

ENGINE DECK GROUP (cont.)



HYDRAULIC GROUP

Item	Part No.	Description	Qty.
1	103-1947	Asm, Reservoir W/Decal	1
2	103-1948	Cap, Hydraulic Reservoir	1
3	103-1949	Gasket, Reservoir Cap	1
4	104-7836	Head, Filter	1
5	1-513211	Element, Hydraulic Oil Filter	1
▲	1-523541	Element, Hydraulic Filter (Winter)	1
6	103-1988	Clamp, Hose (11/16)	4
7	103-1716	Clamp, Hose (17/32)	3
8	103-1826	Asm, Hose Hydraulic	1
9	103-1827	Asm, Hose Hydraulic	1
10	103-1808	Hose, Hydraulic	1
11	103-1806	Asm, Case Drain Hose	1
12	103-1807	Elbow,45°	1
	1-603921	Boss O-Ring	1
13	103-1828	Adapter, Run Tee	1
	1-603921	Boss O-Ring	1
14	103-1801	Adapter, Straight	1
	1-603921	Boss O-Ring	1
15	103-1912	Adapter, Straight	1
	1-603921	Boss O-Ring	1
16	103-1799	Elbow,90°	2
	1-603921	Boss O-Ring	1
17	321-3	Screw,1/4-20 x 5/8	2
18	1-805004	Lockwasher, 1/4	2
19	103-1802	Elbow, 90°	2
	1-603921	Boss O-Ring	1
20	103-2675	Pump, Hydraulic	2
	103-2664	Kit, Input Shaft 10A	1
	94-6922	Kit, Thrust Bearing 10A	1
	103-2666	Kit, Cylinder Block 10A	1
	105-6185	Plate, Valve	1
	105-6184	Kit, Overhaul Seal	1
	103-2741	Kit, Shock Valve 10A/10L	1
21	1-603990	Connector, Straight	4
	1-603920	O-Ring (SAE #8)	1
	1-603992	O-Ring (37° Flare #8)	1
22	1-523328	Motor, Wheel Drive	2
	103-2748	Kit, Drive Link	1
	1-000139	Kit, Bearing	1
	1-000099	Kit, Seal	1
23	103-3733	Hose, Upper LH (60")	1
	103-3734	Hose, Upper (72")	2

Item	Part No.	Description	Qty.
24	103-3735	Hose, Lower LH (60")	1
	103-1863	Hose, Lower (72")	2
25	103-3736	Hose, Upper RH (60")	1
26	103-3737	Hose, Lower RH (60")	1
27	1-633568	Sheave, Pump	2
28✚	1-803022	Setscrew, Sq Hd 5/16-18 x 5/8	2
29✚	30-1710	Setscrew, Sq Hd Cup 5/16-18 x 1	2
30✚	1-803050	Setscrew, Sq Hd Cup 5/16-18 x 3/4	2
31	1-807272	Key,5mm x 5mm x 25mm	2
32	1-603991	Adapter, Straight (60")	4
	1-603919	Boss O-Ring	1
	1-603992	Flare O-Ring	1
	1-633786	Elbow,90° Long (72")	4
	1-603919	Boss O-Ring	1
	1-603992	Flare O-Ring	1
33	1-633167	Pulley, Idler W/Bushing	1
34✖	103-5694	Kit, Idler Arm (103-4595-03) W/Bearings	1
35	323-9	Screw, HH 3/8-16 x 1 3/4	1
36	3256-3	Washer, Flat Std 5/16	1
37	3290-357	Nut, Whizlock 3/8-16	8
38●	1-603384	Bushing, Idler Pivot	1
39	32128-33	Nut, Whizlock 1/4-20	2
40	1-633567	Sheave, Engine	1
41	1-633569	Belt, Pump Drive	1
42	323-8	Screw,3/8-16 x 1 1/2	1
43	1-800805	Screw,3/8-16 x 3 1/2 Gr8	1
44	323-7	Screw,3/8-16 x 1	4
45●	3256-4	Washer, 3/8 Std	1
46	13-2840	Key, 1/4 x 1/4 x 1 1/4	1
47	302-40	Zerk,90° 1/4-28	1
48●	1-513034	Bearing, Pivot	2
49	103-3330	Spring, Extension	1
50	321-6	Screw, HH 1/4-20 x 1	2
51	3256-22	Washer, SAE 1/4	2
52■	103-2916	Guard, Top	2
53■	103-3506	Seal, Single Lip	2
54■	32120-10	Ring, Retaining	2
55■	103-3504	Bearing, Spherical	2
56■	106-7159	O-ring	2
57■	103-5677	Spacer	1

Exmark black touch up spray paint - gloss black.

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

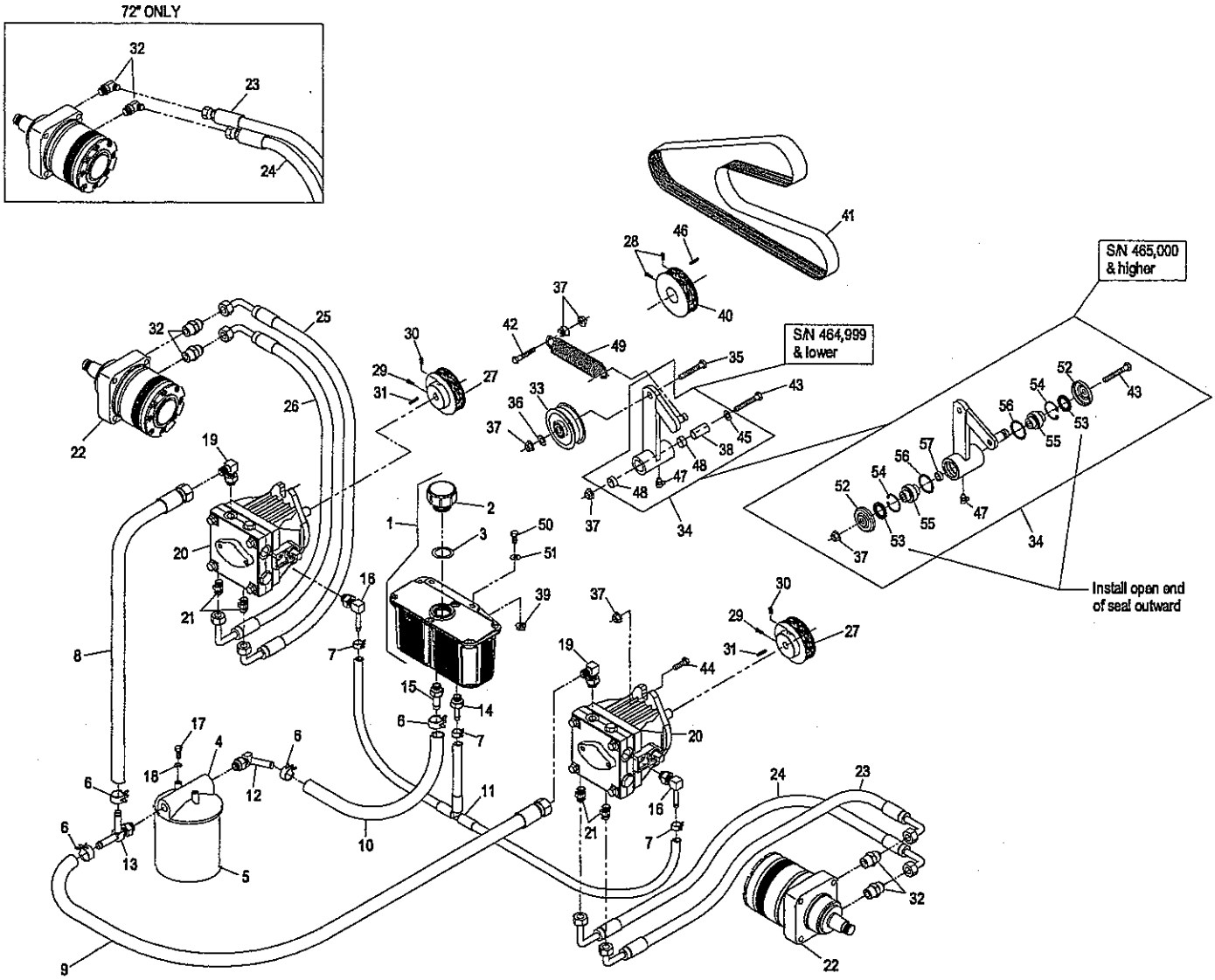
▲ Use only for operation below 32°F (0°C).

● This component is required for units with 464,999 and lower.

■ This component is required for units with 465,000 and higher.

✖ 103-5694 kit includes components shown for S/N 465,000 and higher and services all serial numbers.

HYDRAULIC GROUP



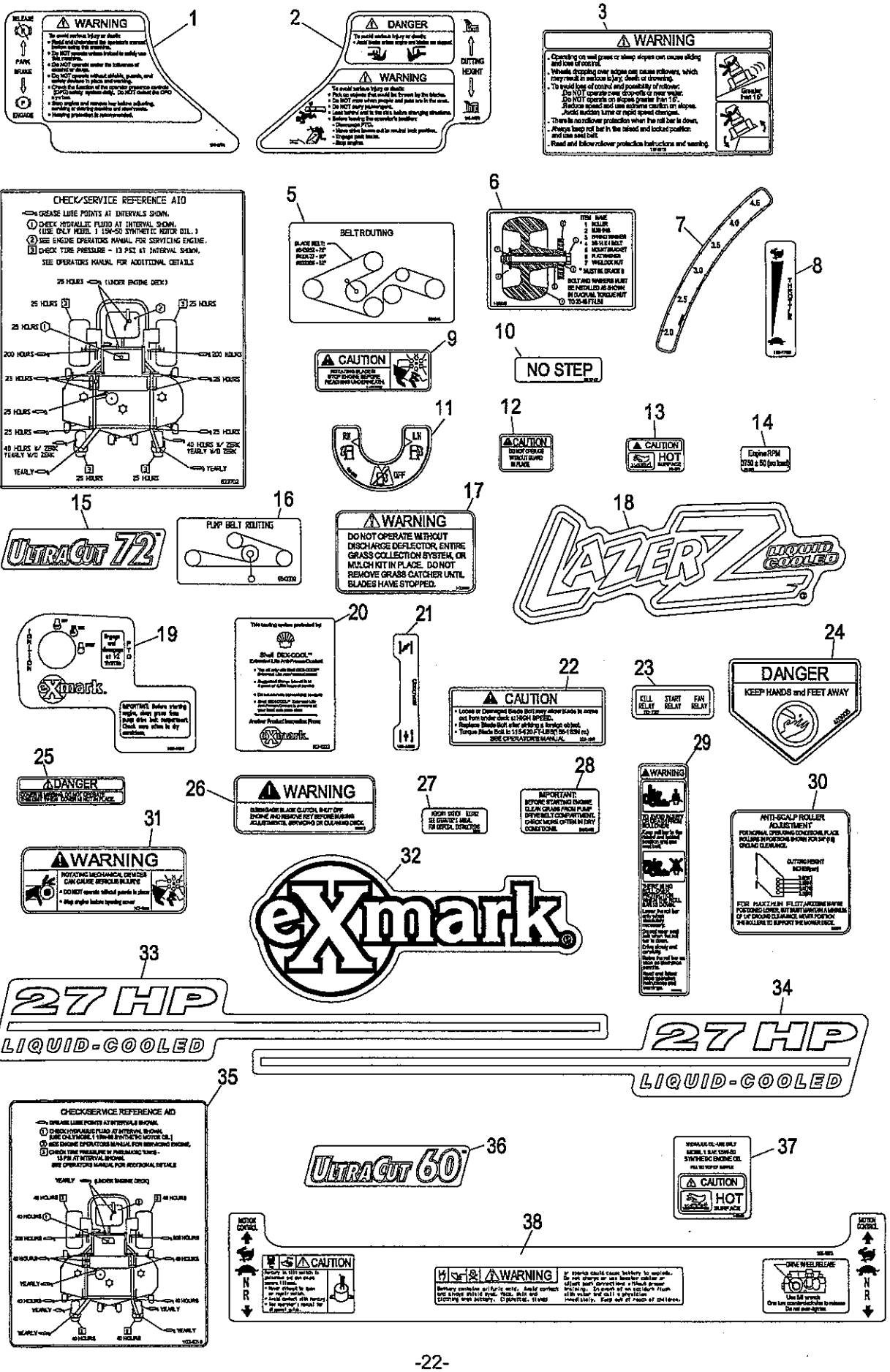
DECAL GROUP

Item	Part No.	Description	Qty.
1	103-3794	Decal, Park Brake	1
2	103-3979	Decal, Cutting Height	1
3	107-2112	Decal, Warning Slope	1
4●	1-633702	Decal, Check Service	1
5	1-643222	Decal, Belt Routing	1
6	1-323540	Decal, Roller Mounting	1
7	1-633706	Decal, Deck Height	1
8	103-1798	Decal, Throttle	1
9	1-643253	Decal, Radiator Fan	2
10	1-513742	Decal, No Step	2
11	103-0262	Decal, Fuel Valve	1
12	1-513748	Decal, Guard	1
13	103-2076	Decal, Hot Surface	2
14	103-3270	Decal, 3750 RPM	1
15	103-1147	Decal, Ultracut 72	1
16	1-643339	Decal, Pump Belt Rtg	1
17	1-303508	Decal, Discharge Warning	1
18	103-3112	Decal, LC Lazer Model	1
19	103-4474	Decal, Ignition/PTO	1
20	103-0223	Decal, Shell Coolant	1

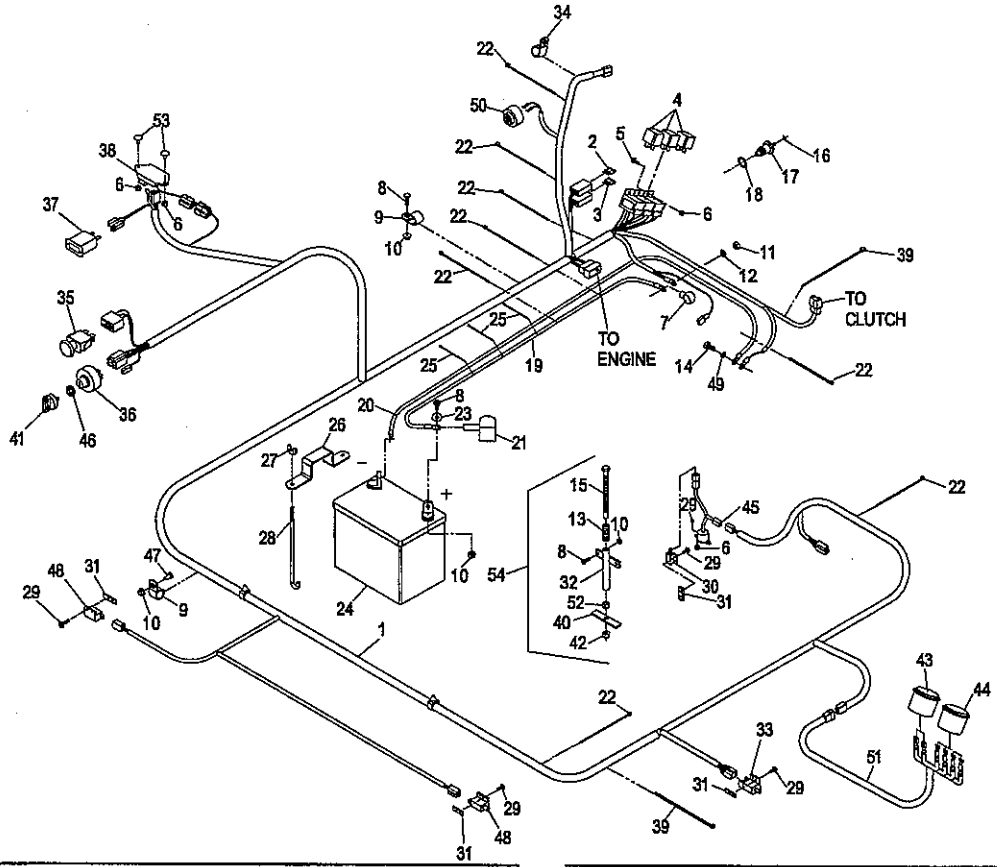
Item	Part No.	Description	Qty.
21	103-4930	Decal, Choke	1
22	103-1077	Decal, Bolt Torque	1
23	103-1027	Decal, Relay	1
24	1-403005	Decal, Danger	2
25	98-5954	Decal, Missing Cover	2
26	1-633313	Decal, Warning	1
27	1-643401	Decal, Mercury Switch	1
28	1-633462	Decal, Important	1
29	107-2102	Decal, Rops Folding	1
30	1-633922	Decal, Anti-Scalp	1
31	103-5881	Decal, Rotating Devices	1
32	103-4574	Decal, Exmark Logo	1
33	103-1141	Decal, Hood LH	1
34	103-1142	Decal, Hood RH	1
35■	103-6319	Decal, Check Service	1
36	103-1146	Decal, Ultracut 60	1
37	1-523552	Decal, Hyd Tank/Hot Surface	1
38	103-4973	Decal, Console Top	1
	103-5471	Decal Kit LZ LC	

● This component is required for units with 464,999 and lower.
■ This component is required for units with 465,000 and higher.

DECAL GROUP


1
WARNING
2
DANGER
WARNING
3
WARNING
4
CHECK/SERVICE REFERENCE AID
5
BELT ROUTING
6
7
8
9
CAUTION
10
NO STEP
11
12
CAUTION
13
CAUTION
HOT
14
15
ULTRACUT 72
16
PUMP BELT ROUTING
17
WARNING
DO NOT OPERATE WITHOUT DISCHARGE DEFLECTOR, ENTIRE GRASS COLLECTION SYSTEM, OR MULCH KIT IN PLACE. DO NOT REMOVE GRASS CATCHER UNTIL BLADES HAVE STOPPED.
18
LAZER Z
LIQUID COOLED
19
20
21
22
CAUTION
23
CELL RELAY
START RELAY
FAN RELAY
24
DANGER
KEEP HANDS and FEET AWAY
25
DANGER
26
WARNING
27
28
IMPORTANT
29
WARNING
30
ANTI-SCALP ROLLER ADJUSTMENT
31
WARNING
32
eXmark
33
27 HP
LIQUID-COOLED
34
27 HP
LIQUID-COOLED
35
CHECK/SERVICE REFERENCE AID
36
ULTRACUT 60
37
CAUTION
HOT
38
CAUTION
WARNING
MOTOR CONTROL
N
R

KAWASAKI ELECTRICAL GROUP

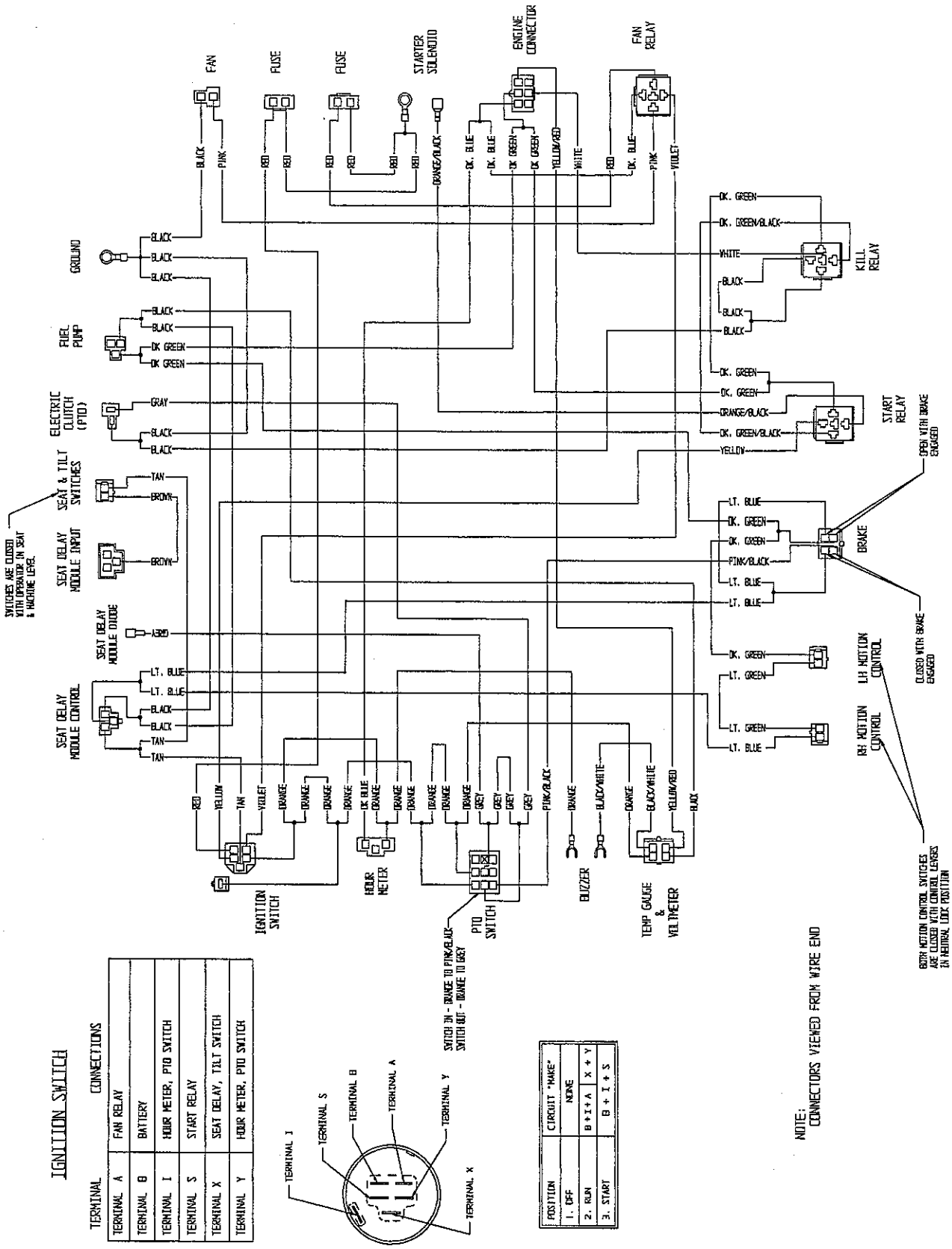


Item	Part No.	Description	Qty.
1▲	103-4734	Harness, Wiring	1
2	1-816001	Fuse-20 Amp	1
3	1-816003	Fuse-30 Amp	1
4	1-643275	Relay, 12V	3
5	1-803071	Screw, Machine #10-24 x 1/2	2
6	3296-2	Nut, Nyloc #10-24	6
7	1-543393	Insulator, Solenoid +	1
8	321-4	Screw, 1/4-20 x 3/4	5
9	1-633396	Clip- Loom .69	2
10	32128-33	Nut, 1/4-20 Whizlock	6
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 M8-1.25 x 16mm	1
15	1-800282	Screw, 5/16-18 x 7	1
16	1-643145	Tab, #10 stud 1/4 Spade 45°	1
17	103-0283	Sender Unit, Temp	1
18	1-643153	Washer, Alum. Sender Gasket	1
19	1-523279	Cable, Battery (+)	1
20	1-633307	Cable, Battery (-)	1
21	1-543391	Insulator, Battery	1
22	1-303335	Tie, Plastic (Medium)	8
23	3256-2	Washer, 1/4 Flat	2
24	103-0293	Battery, 12V	1
25	1-303287	Tie, Plastic (Small)	3
26	1-633652-03	Hold Down, Battery	1
27	1-543792	Wingnut, Nyloc	2
28	1-633651	Bolt, Battery Holddown	2

Item	Part No.	Description	Qty.
29	3290-500	Screw, #10-24 x 5/8	10
30	1-513152	Switch, Seat N.C.	1
31	1-633181	Plate, Tapped	4
32	1-522424-03	Spring Mount Wldmt	1
33	1-633111	Switch, Brake N.O./N.C.	1
34	1-603727	Clip, Loom .50	1
35	103-5221	Switch, PTO	1
36	103-0206	Switch, Ignition W/ Keys	1
37	1-513374	Meter, Engine Hours	1
38	103-5218	Module, Seat Delay	1
39	1-643115	Tie, Plastic (Large)	2
40	1-513180	Actuator, Seat Switch	1
41	103-2106	Key, Exmark Logo	1
	1-603511	Key, Ignition	1
42	3296-29	Nut, 5/16-18 Nyloc	1
43	1-643037	Gauge, Voltmeter	1
44	103-2426	Gauge, Temperature	1
45▲	1-633782	Switch, Tilt	1
46	103-0498	Nut, Ignition	1
47	321-2	Screw, 1/4-20 x 1/2	1
48	1-513051	Switch, Drive Lever N.O.	2
49	3256-23	Washer, 5/16 SAE	1
50	103-0205	Alarm, Dual Tone	1
51	103-5379	Harness, Gauge	1
52	3217-6	Nut, Hex 5/16-18	1
53	1-807513	Bolt, Carriage #10-24 x 1/2	2
54	103-5652	Asm, Seat Switch Actuator	1

▲ Use dielectric grease on all wiring harness connectors.

KAWASAKI ELECTRICAL DIAGRAM

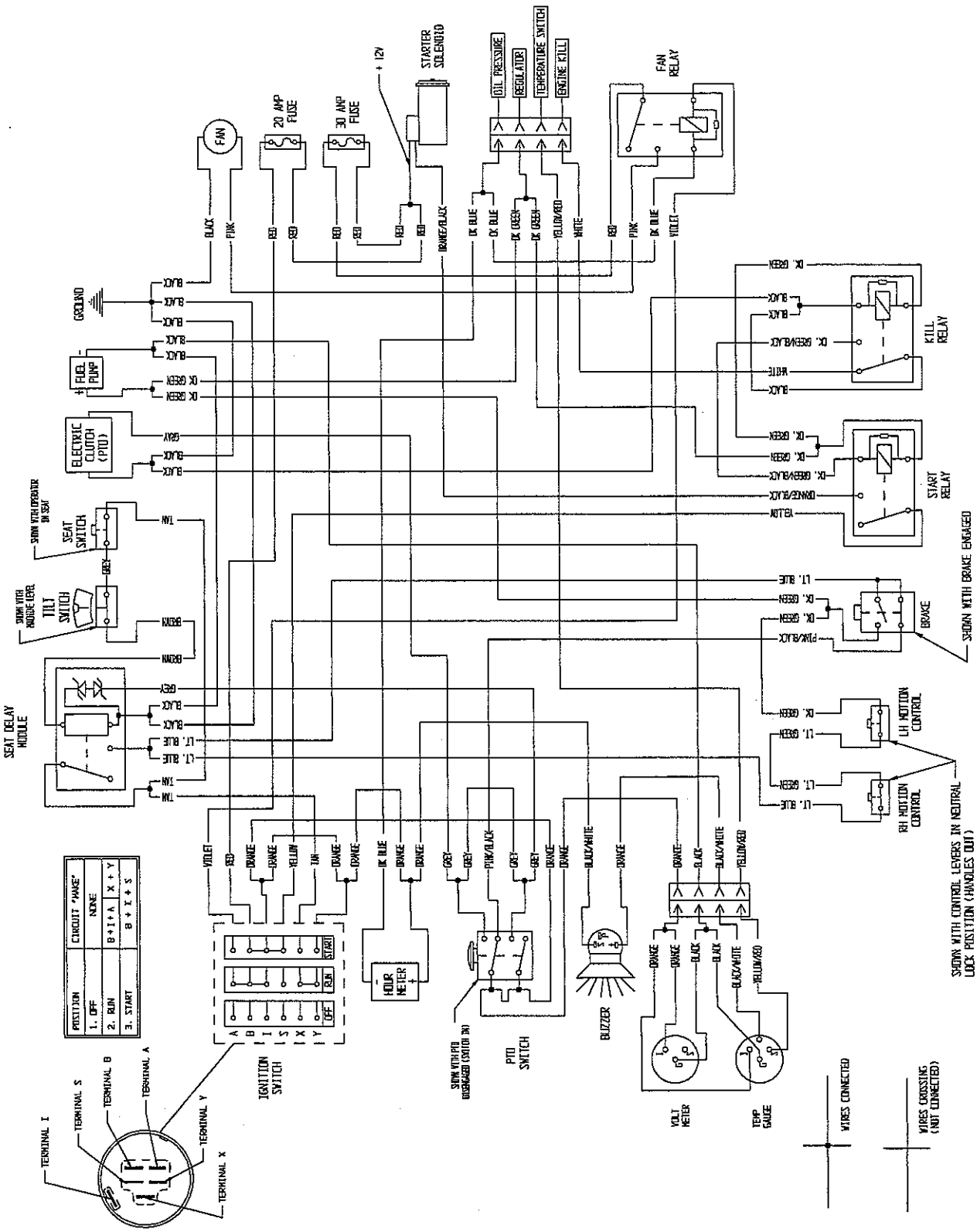


IGNITION SWITCH

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

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

KAWASAKI ELECTRICAL LOGIC SCHEMATIC



SERVICE RECORD

Date	Description of Work Done	Service Done By

SEE EXMARK'S COMPLETE LINE OF PRODUCTS FOR TURF CARE

LAZER Z®	LAZER Z® HP
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TURF RANGER®	VIKING HYDRO
TURF TRACER®	TURF TRACER® HP
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ULTRA VAC™	ULTRA VAC™ QDS
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