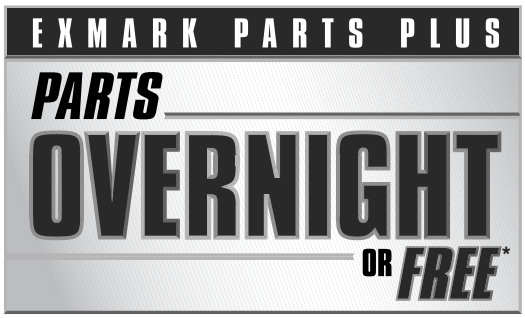
eXmark®



LAZER Z® HP 523

Parts Manual

For Serial Nos.
720,000 & Higher
Part No. 4500-258 Rev. B



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!! (Some restrictions apply. See your participating Exmark Dealer for details.)

⚠ WARNING

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

TABLE OF CONTENTS

Description	Page
Decal Group	17-18
Deck Group	3-4
Electrical Diagram	20
Electrical Group	19
Electrical Logic Schematic	21
Engine Group	15-16
Front Frame Group	5-6
Fuel Group	9
Hydraulic Group	13-14
Main Frame Group	7-8
Motion Control Group	10
Park Brake Group	11-12

DECK GROUP

Item	Part No.	Description	Qty.
1	3296-29	Nut, Nyloc 5/16-18	10
2	3256-3	Washer, 5/16 Std Flat	6
3	103-2970-01	Shield, Belt	2
4	32128-20	Nut, Whizlock 5/16-18	7
5	1-800017	Bolt, 5/16 x 3 1/4 Tap	2
6	3290-357	Nut, Whizlock 3/8-16	3
7	3256-24	Washer, 3/8 SAE Flat	2
8	1-613098	Pulley, Idler	2
9	1-413113	Bushing, Idler	2
10	323-11	Screw, 3/8-19 x 2 1/4	1
11	323-6	Screw, 3/8-16 x 1	1
12	98-5975	Washer, Disc Spring 3/8	10
13	103-5668	Plate, Belt Guide	1
14	1-653190	Spacer	1
15	1-413099	Pulley, Idler	1
16	1-653368	Belt, Deck Drive	1
17	3296-39	Nut, Nyloc 3/8-16	19
18	103-3504	Bearing, Spherical	2
19	1-603401	Spacer	1
20	103-3330	Spring, Extension	1
21	321-1	Screw, 1/4-20 x 3/8	6
22■	103-5698	Kit, Idler Arm W/Bearings	1
23	106-7159	O-ring	2
24	103-1898	Screw, 7/16-14 x 1 5/8	8
25	32128-37	Nut, Whizlock 7/16-14	16
26	1-633447	Chain, Deck Lift	4
27	1-654478	Deck Wldmt (1-652418-01) W/Decals	1
28	323-39	Screw, 3/8-16 x 5	1
29	323-13	Screw, 3/8-16 x 2 3/4	2
30	32128-33	Nut, Whizlock 1/4-20	6
31	1-543963	Bumper, Rubber	2
32	322-2	Screw, 5/16-18 x 5/8	3
33	3211-46	Screw, HH 3/8-24 x 2 Gr8	5
34	103-5364	Axle, Anti-Scalp Roller	5
35✚	1-603299	Roller, Anti-Scalp	5
36	109-6658	Nut, Nyloc 3/8-16 Flg	5

Item	Part No.	Description	Qty.
37	322-5	Screw, 5/16-18 x 1	2
38	1-652375-01	Chute Wldmt, Discharge	1
39	1-632199-01	Pin Wldmt, Deck Strut	2
40	103-1081	Strut Wldmt, Assembly	2
41	322-3	Screw, 5/16-18 x 3/4	2
42	3219-6	Nut, 5/8-18	2
43	1-633029	Spherical Rod End	2
44	3253-8	Washer, Lock 5/8	2
45	3217-11	Nut, 5/8-11	2
46	1-602913-01	Baffle, Discharge	1
47	1-800344	Screw, 5/8-11 x 6	2
48	302-19	Zerk, 1/4-18 Straight	5
49	109-1181	Strut Wldmt	2
50◆	1-654552	Deck Complete Service	1
51	3217-46	Nut, 3/4-16 Heavy	3
52	103-2802	Washer, Disc Spring 3/4	3
53★	1-653386	Sheave, Blade Drive	3
54	323-7	Screw, 3/8-16 x 1 1/4	18
55★	103-1330	Guard, Bearing Top	3
56	103-9077	Cutter Housing Complete	3
57	103-2535	Spacer, Guard Bottom	3
58★❑	103-9071	Kit, Spindle	3
59	1-807268	Key, Machine	3
60	103-6402	Blade, Notched	3
	103-6387	Blade, Low Lift	3
✦	103-6392	Blade, Mulching	3
	103-6382	Blade, Solid	3
	103-6397	Blade, Extreme	3
61	103-3037	Bushing, Splined	3
62	109-5958	Screw, Hex Flange 1/2-20	3
63★	103-8280	Housing W/Bearings	3
64	103-3505	Seal, Double, Lip	1
65	103-2916	Guard, Top	1
66	103-3506	Seal, Single Lip	1
67	32120-10	Ring, Retaining	2

Exmark red touch up paint (spray paint - P/N 1-850337 - .6 oz liquid bottle - P/N 103-9140).

✦ Requires installation of Micro-Mulch accessory for proper mulching. Mulch kit P/N MK523Q(52").

★ Apply Mobil HTS grease (or a food-grade anti-sieze) between the spindles & bearings and spindles & sheaves and under top bearing guard. DO NOT use a copper or nickel based anti-seize.

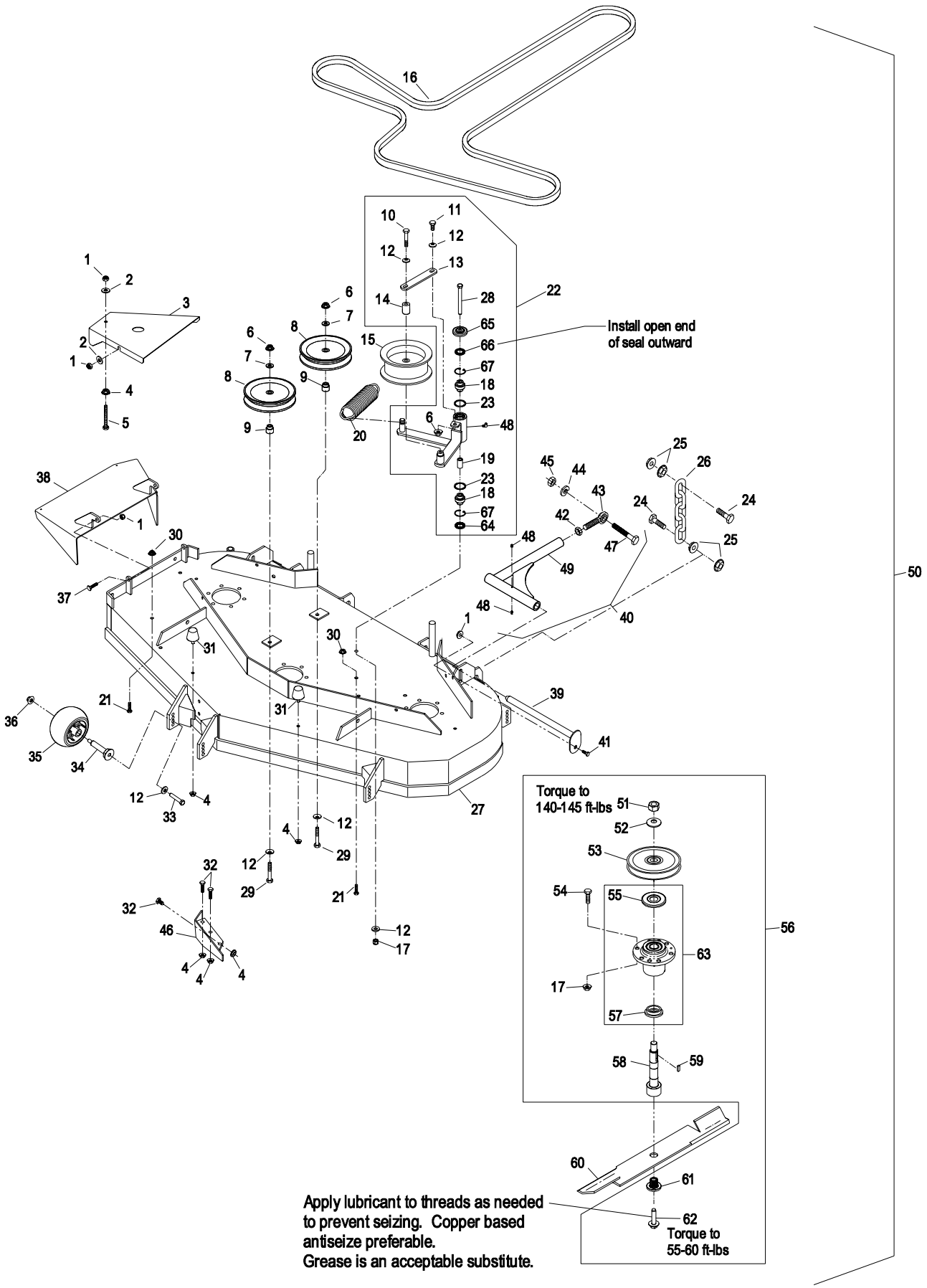
✚ Kit 103-7263 includes antiscalp roller, axle, & mounting hardware.

■ Idler arm assembly also includes items #12 & #17.

◆ Includes all items shown plus decals.

❐ Kit includes items #51, #52, #59, #61, & #62.

DECK GROUP


Install open end of seal outward
Torque to 140-145 ft-lbs
Apply lubricant to threads as needed to prevent seizing. Copper based antiseize preferable. Grease is an acceptable substitute.
Torque to 55-60 ft-lbs

FRONT FRAME GROUP

Item	Part No.	Description	Qty.
1	103-2081	Asm, Lever W/Grip (103-2078-03)	1
2	1-633295	Grip, Lift Lever	1
3	103-3718-03	Arm Wldmt, Deck Lift	1
4	1-633325	Spring, Compression	1
5	3256-24	Washer, 3/8 SAE	1
6	3296-39	Nut, Nyloc 3/8-16	5
7	1-633068	Arm, Deck Lift	2
8	1-543508	Bearing Cup, Tapered Roller	4
9	1-543509	Bearing Cone, Tapered Roller	4
10	323-9	Screw, 3/8-16 x 1 3/4	1
11	1-653230-01	Plate, Deck Lift	1
12	323-13	Screw, 3/8-16 x 2 3/4	1
13	1-633082	Bushing, Lift Lever	1
14	109-1901	Plate Wldmt, Deck Lift W/Decal	1
15	3290-357	Nut, Whizlock 3/8-16	15
16◆	1-633097	Hitch Pin W/Lanyard	1
17	103-1987	Asm, Deck Lift Spring	2
18	1-413088	Bushing, Lift Lever	1
19✳	103-3833	Asm, Front Frame	1
20	32151-103	E-Ring	7
21	3256-29	Washer, 7/8 SAE Flat	7
22	1-652013-01	Shaft Wld, Deck Lift LH	1
23●	109-7615-01	Shaft Wld, Deck Lift RH	1
24	302-19	Zerk, 1/4-28 Straight	5
25	3217-11	Nut, 5/8-11 Regular	8
26	1-633441	Swivel, Deck Mount	4
27	3218-6	Jam Nut, 5/8-11	4
28	1-805517	Washer, 5/8 Std Flat	2
29	1-653011	Rod, Deck Lift	2
30	1-653009	Spring, Deck Support	2
31	103-3155	Axle, Caster	2
32★	103-3051	Spacer, Nut	4

Item	Part No.	Description	Qty.
33	103-0063	Seal, Bearing	4
34	1-633585	Bearing Cone	4
35	3274-18	Screw, Socket Head 5/16-18 x 1 1/4	2
36	103-2768	Guard, Seal	4
37	325-36	Screw, 1/2-13 x 7 1/2	2
38	1-632511-01	Caster Wldmt	2
39	3296-45	Nut, Nyloc 1/2-13 (Light Thin)	2
40	1-543511	Seal, Grease	2
41	3218-2	Nut, Jam 5/16	2
42	103-5189	Asm, Caster Wheel (Pneumatic)	2
	1-633002	Tire, 13 x 5.0-6 4 Ply (Pneumatic)	2
	103-3785	Asm, Caster Wheel (Semi-Pneumatic)	2
43	1-633508	Washer, Spring Disk	6
44	3296-51	Nut, Nyloc 3/4-10	2
45	103-4882	Cap, Grease	2
46	109-8861-01	Floorpan Liftout	1
47	103-1918	Bushing	2
48	3230-1	Bolt, Carriage 5/16-18 x 3/4	2
49	32128-20	Nut, Whizlock 5/16-18	8
50	323-29	Screw, Cap 3/8-16 x 1.38	2
51	322-3	Screw, 5/16-18 x 3/4	6
52	3256-3	Washer, 5/16 SAE Flat	4
53	98-5975	Washer, 3/8 Disc Spring	12
54	3256-27	Washer, 5/8 SAE Flat	2
55	109-8862-01	Floorpan Front	1
56	323-6	Screw, 3/8-16 x 1	13
57	103-1982	Bushing, Spring	4
58	99-3870-01	Bracket, Floorpan	2
59	1-811010	Plug	2
60	1-806005	Hairpin, Cotter	1
61	323-8	Screw, 3/8-16 x 1 1/2	1

Exmark red touch up paint (spray paint - P/N 1-850337 - .6 oz liquid bottle - P/N 103-9140).

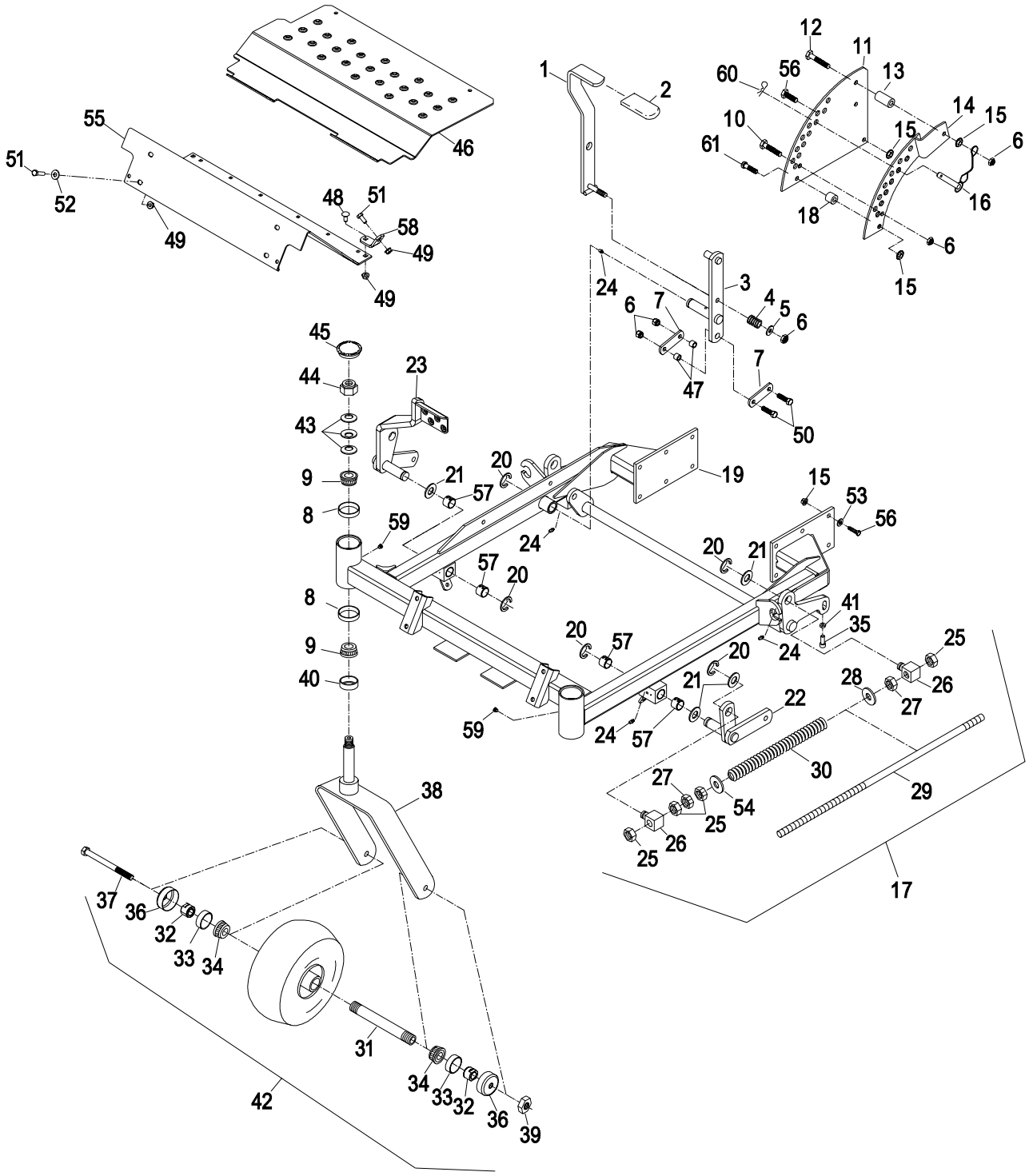
★ Use Pro-Lock, Nut Type (P/N 1-840022, .5 ml tube) on spacer nut.

✳ Includes frame weldment plus items #9, #22, #23, #40, #45, and #59.

◆ Includes hitch pin plus hairpin, item #60.

● Deck lift assist kit P/N 109-5201 (includes items #20, #21, and #23).

FRONT FRAME GROUP



MAINFRAME GROUP

Item	Part No.	Description	Qty.
1●	103-3524	Seat, Complete W/Armrests	1
2	1-643255	Track, Seat (4" Adjust.)	1
	103-8386	Spring, Seat Rail	1
3	1-543401	Spacer, Seat Track	2
4	103-0292	Cushion, Armrest (RH)	1
✦	103-0291	Cushion, Armrest (LH)	1
5	103-3520	Cushion, Backrest	1
6	1-653159	Wheel/Tire Assy	2
	1-653161	Wheel	2
	1-653160	Tire, 23 x 9.5-12-4 Ply	2
7	103-5961	Catch, Seat Latch	1
8	323-39	Screw, 3/8-16 x 5	2
9	32128-20	Nut, Whizlock 5/16-18	16
10	3296-29	Nut, Nyloc 5/16-18	3
11	103-1731	Rod, Seat Hold Up	1
12	322-5	Screw, 5/16-18 x 1	3
13	112-9007	Asm, Mainframe(112-9009-03) W/Decals	1
14	32128-33	Nut, Nyloc 1/4-20	2
15	242-50	Nut, Wheel 1/2-20	8
16	3296-39	Nut, Nyloc 3/8-16	3
17	109-2164	Asm, Console(103-9843-03) W/Decals	1
18	109-2165	Panel, Instrument (103-7939-03) W/Decals	1
19☆	FRPSL	Kit, Rops LHP	1
20	322-3	Screw, 5/16 –18 x 3/4	3
21	103-3521	Cushion, Seat	1
22	3256-23	Washer, Flat 5/16 SAE	2

Item	Part No.	Description	Qty.
23✣	103-4553	Asm, Rops Fold Pin	2
24	110-5850	Asm, Seat Frame	1
25	3296-73	Nut, Nyloc 1/4-20 (black)	2
26	103-7935-03	Bracket, Instrument Panel	1
27	322-4	Screw, HH 5/16-18 x 7/8	2
28	1-513658	Bumper	2
29	109-2365	Bumper, Rubber	4
30	1-633859	Seat Frame	1
31	322-2	Screw, 5/16-18 x 5/8	6
32	1-633396	Clip, Loom	1
33	3256-3	Washer, Flat Std 5/16	4
34	103-8383	Bolt, Seat Cushion	11
35	110-0883	Asm, Seat Belt	1
36	3296-7	Nut, Nyloc 7/16-20	2
37	3231-22	Bolt, Carriage 3/8-16x1	2
38	325-13	Screw, HH 1/2-13 x 3 1/4	2
39	32128-23	Nut, Hex Flange Side Lock 1/2-13	2
40	107-3155	Cotter, Hair Pin Double Loop	2
41	3212-4	Screw, HH 7/16-10 x 1	2
42	323-6	Screw, HH 3/8-16 x 1	8
43	3290-357	Nut, Whizlock 3/8-16	8
44	98-5975	Washer, Spring Disk 3/8	8
45	103-4434	Grip	1
46	110-5808	Latch, Seat	1
47	107-0075	Bushing	1
48	110-5831	Spring	1
49	323-20	Screw, 3/8-16 x 3 1/4	1
50	3256-24	Washer, 3/8 SAE Flat	1

Exmark black touch up spray paint – gloss black.

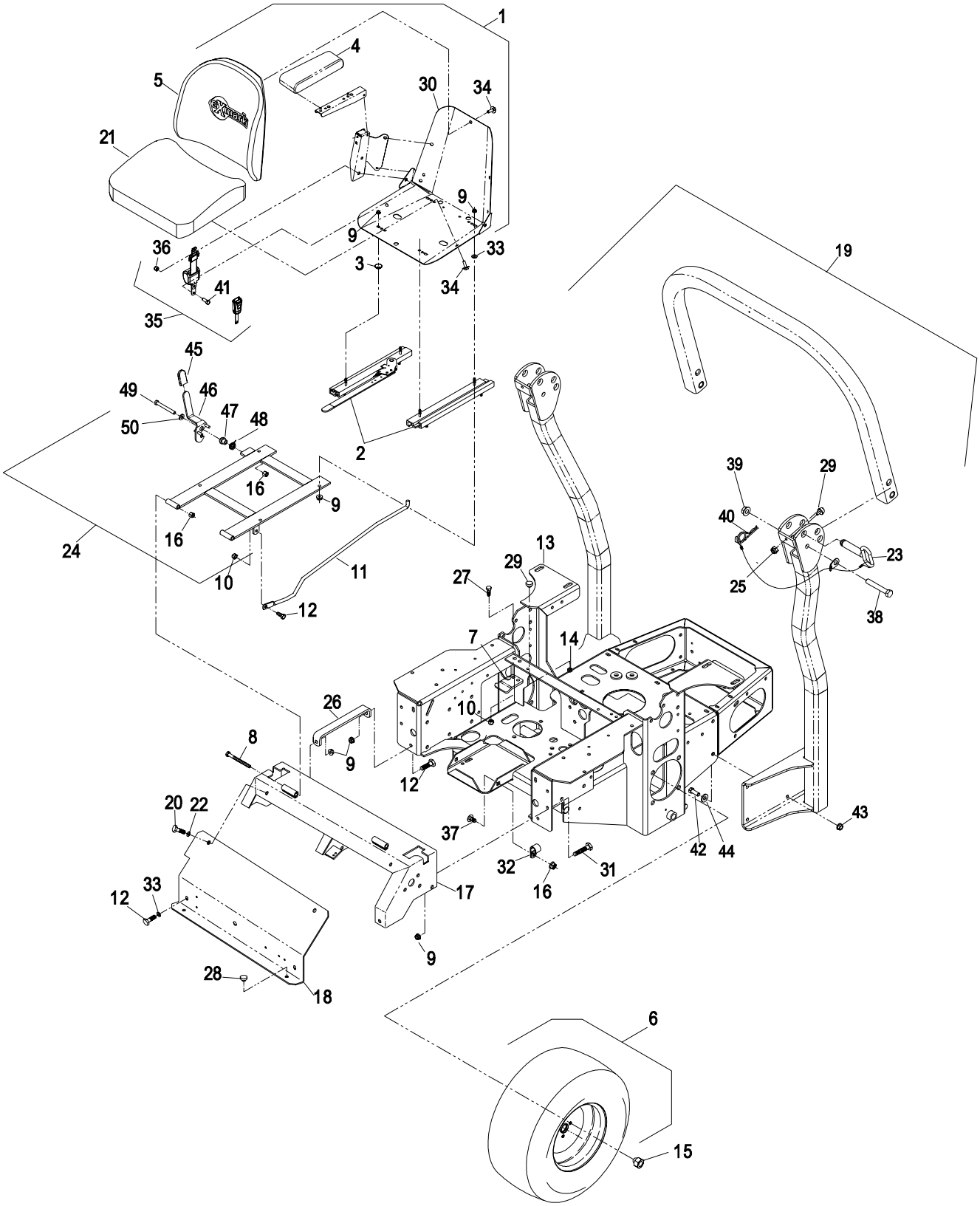
✦ Not Illustrated.

✣ Includes ROPS fold pin plus hairpin item #40.

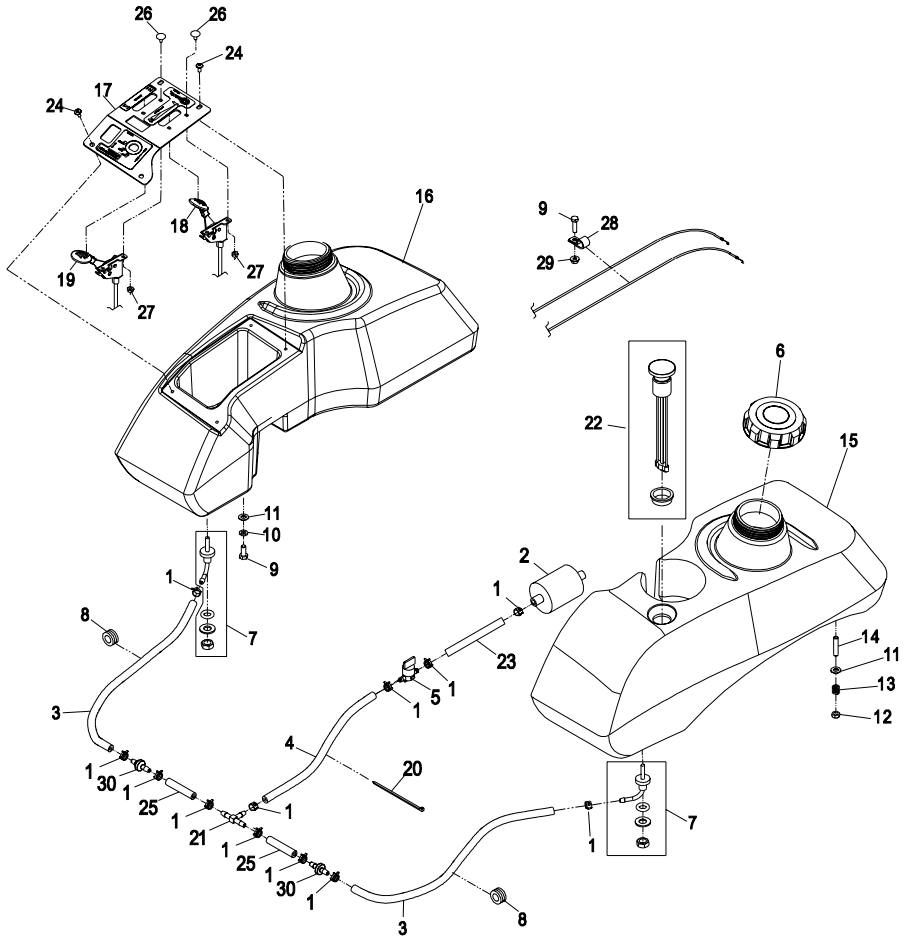
☆ Rollover protection frame is serviced as a complete assembly only. Includes complete ROPS frame, mounting hardware, fold pivot and locking hardware, seat frame assembly item #24, catch item #7, and seat belt assembly item #35.

● Includes armrests and seat back decal. Does not include seat belt or tracks.

MAINFRAME GROUP



FUEL GROUP

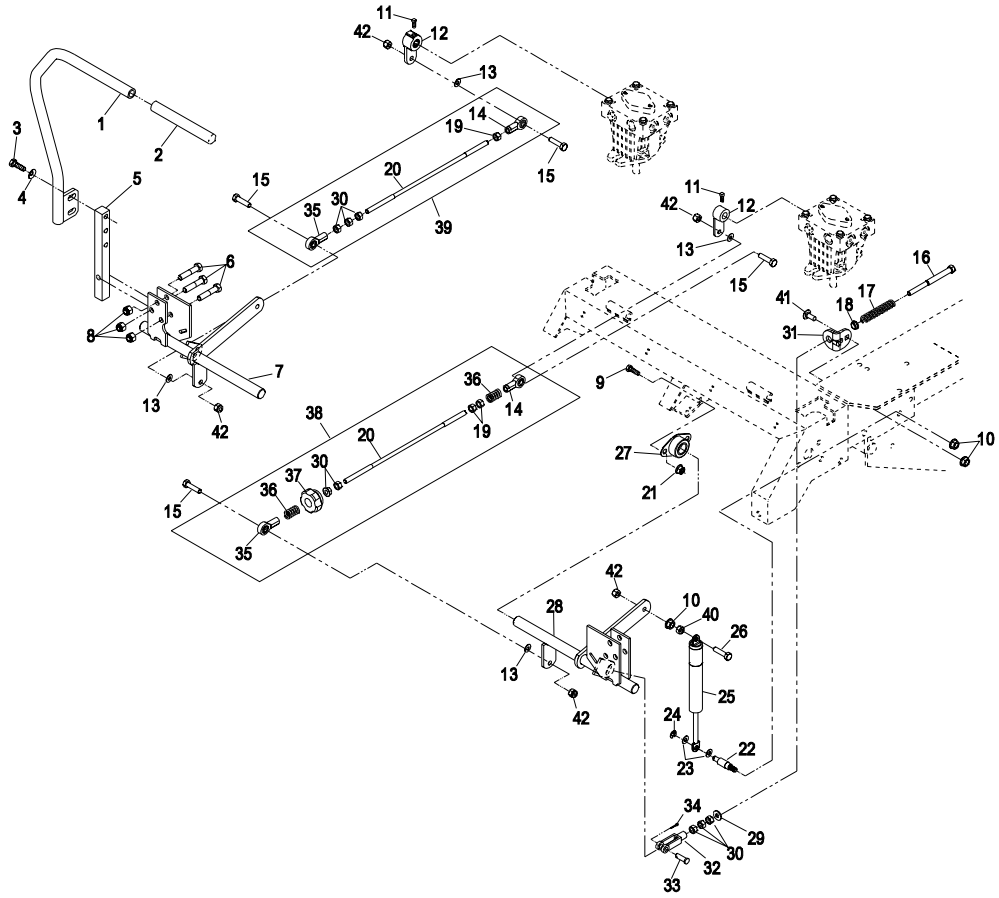


Item	Part No.	Description	Qty.
1	1-303077	Clamp, Fuel Line	12
2✦	**Kohler**	Part No. 2405010 Fuel Filter	1
3	109-2225	Hose, Fuel Line 20 1/2”	2
4	109-0275	Hose, Fuel Line 32”	1
5	1-603770	Valve, Fuel	1
6	109-0346	Cap, Fuel Tank	2
7▼	103-2605	Fitting, Fuel Bulkhead W/Strainer	2
	103-2784	O-Ring	2
8	1-543296	Grommet, Fuel Line	2
9	322-3	Screw, 5/16-18 x 3/4	5
10	1-805005	Washer, Lock 5/16	4
11	3256-23	Washer, 5/16 SAE	8
12	3296-47	Nut, Nyloc 5/16-18	4
13	1-633349	Spring, Fuel Tank	4
14✧	1-633023	Stud, Fuel Tank	4
15★	103-4898	Asm, Tank Fuel (LH)	1

Item	Part No.	Description	Qty.
16★	109-0686	Asm, Tank Fuel (RH)	1
17	109-4509	Asm, Control Panel W/Decals	1
18	109-3987	Control, Throttle (Red)	1
19	109-4211	Control, Choke (Black) (Kohler)	1
	109-4210	Control, Choke (Black) (Kawasaki)	1
20	1-303335	Plastic Tie (Large)	1
21	99-5005	Fitting, Barbed Tee	1
22	103-6563	Kit, Fuel Gage	1
23	109-0660	Hose, Fuel Line 3 1/2”	1
24■	109-2661	Screw, PPH #10-24 x 1/2	4
25	109-0304	Hose, Fuel Line 2 1/2”	2
26	1-807513	Bolt, Carriage #10-24 x 1/2	4
27	3296-2	Nut, Nyloc #10-24	4
28	1-633396	Clip, Loom 5/8	1
29	32128-20	Nut, Whizlock 5/16-18	1
30	99-5000	Valve, Fuel Check	2

✧ Use Pro-Lock, Retaining Type (P/N 1-840023, .5ml tube) on stud threads going into tank.
✦ Refer to Engine Owner’s manual. (Fuel filter **Must** be 15 Micron or smaller).
★ Includes tank, cap, fitting, and studs. LH tank also includes fuel gauge.
▼ Use Pro-Lock, Nut Type (P/N 1-840022, .5ml tube) on fuel fitting.
■ Snug fit only on slotted holes, **Do Not Overtighten**, tank must be able to expand.

MOTION CONTROL GROUP



Item	Part No.	Description	Qty.
1	103-3458	Handle 103-3327-03 W/Grip (RH)	1
✳	103-3457	Handle 103-3326-03 W/Grip (LH)	1
2	103-3456	Grip, Motion Cntrl Handle	2
3	323-6	Screw, 3/8-16 x 1	4
4	98-5975	Washer, Disc Spring 3/8	4
5	103-0407	Arm, Control Shaft	2
6	323-9	Screw, 3/8-16 x 1 3/4	6
7	103-4773	Bracket, Motion Cntrl (RH)	1
8	3296-39	Nut, Nyloc 3/8-16	6
9	323-4	Screw, 3/8-16 x 3/4	8
10	32128-20	Nut, Whizlock 5/16-18	6
11◆	1-803022	Setscrew, 5/16 x 5/8	2
12	103-3717	Arm, Pump Control	2
13	3256-3	Washer, 5/16 Std	4
14	1-633152	Ball Joint (LH)	2
15	322-6	Screw, 5/16-18 x 1 1/4	4
16	1-603737	Bolt, (Neutral Return)	2
17	1-603807	Spring, (Neutral Return)	2
18	109-3769	Bushing, Nylon (Reverse Ind.)	2
19	1-804524	Nut, 5/16-24 (LH)	3
20	103-3066	Link, Pump Control	2
21	3290-357	Nut, Whizlock 3/8-16	8

Item	Part No.	Description	Qty.
22	103-4101	Pin, Damper Anchor	2
23	3256-23	Washer, 5/16 SAE	4
24	32120-35	E-Ring	2
25	109-2339	Damper	2
26	1-403180	Screw, 5/16-18x1 1/4 Special	2
27	1-633102	Bearing, Flanged	4
28	103-4774	Bracket, Motion Control(LH)	1
29	3256-2	Washer, 1/4	2
30	3219-2	Nut, 5/16-24	10
31	109-3908	Tab, Adjustment	2
32	1-303105	Yoke	2
33	1-808280	Pin, Clevis 5/16 x 1	2
34	3272-5	Pin, Cotter 3/32 x 1/2	2
35	1-543017	Ball Joint (RH)	2
36	1-323245	Spring, Compression	2
37	103-3060	Knob, Tracking	1
38	103-4326	Asm, Tracking	1
39	103-4327	Asm, Tracking	1
40	3217-6	Nut, Hex 5/16-18	2
41	3230-23	Bolt, Carriage 5/16-18 x 3/4, short neck	2
42	3296-29	Nut, Nyloc 5/16-18	6

Exmark black touch up spray paint – gloss black.

✳ Not Illustrated.

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

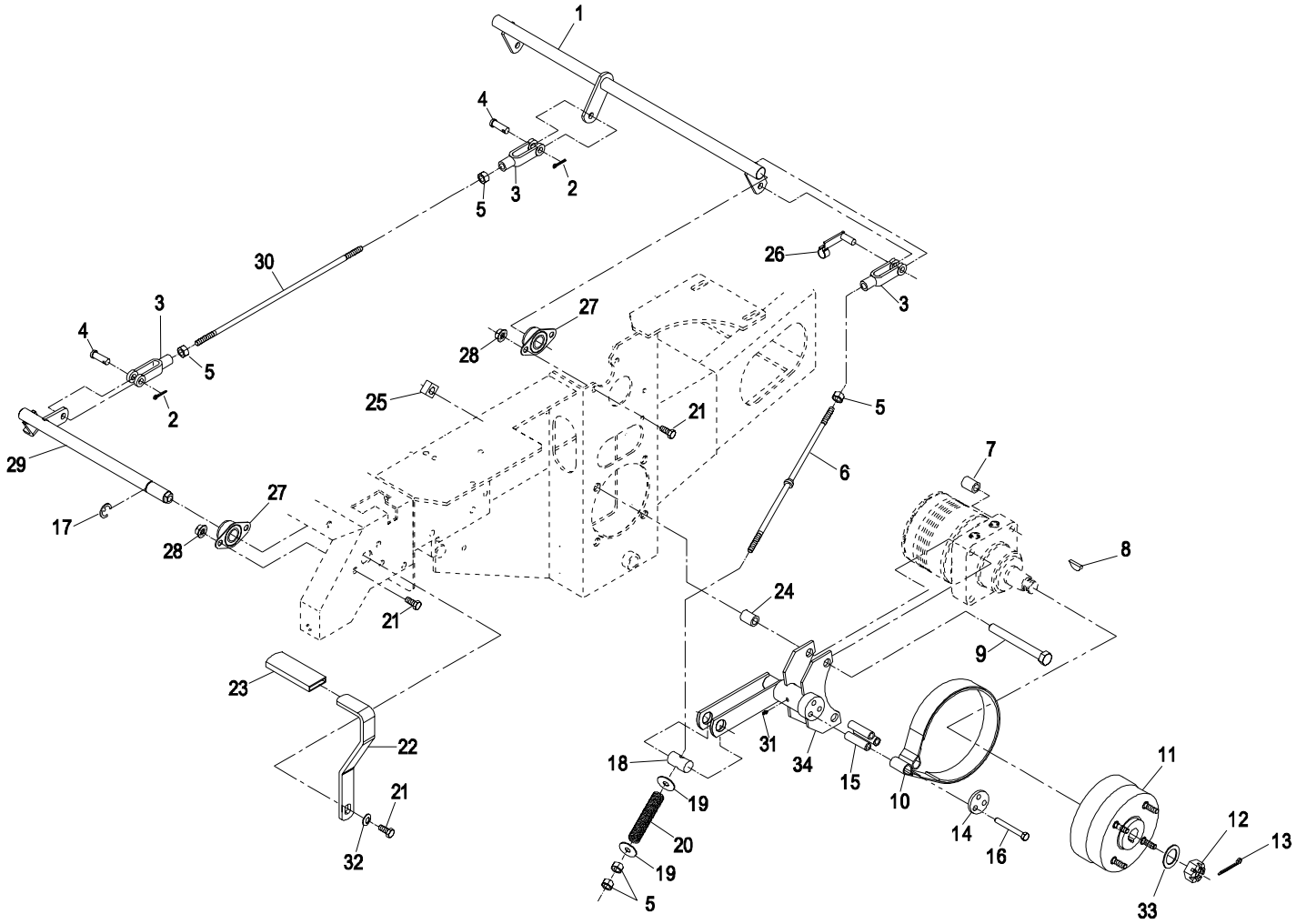
PARK BRAKE GROUP

Item	Part No.	Description	Qty.
1	1-652073-03	Crank Wldmt, Brake	1
2	3272-10	Pin, Cotter 1/8 x 3/4	2
3	1-633131	Yoke	4
4	1-808285	Pin, Clevis 3/8 x 1 1/8	2
5	3219-3	Nut, 3/8-24	8
6	103-0356	Rod, Brake	2
7	1-653380	Spacer (Long)	4
8	3257-42	Woodruff Key, 5/16 x 1	2
9	325-17	Screw, HH 1/2-13 x 4	8
10	103-9761	Band, Brake	2
11	103-0590	Hub & Drum W/Studs, Plated	2
	1-633926	Stud, Wheel	8
12	1-809036	Nut, Slotted 1.00-20	2
13	1-806800	Pin, Cotter 9/64 x 1 1/2	2
14	103-0374	Retainer, Brake Band	2
15	103-0384	Spacer	6
16	322-9	Screw, 5/16-18 x 1 3/4	6
17	32151-48	Ring, Retaining	1

Item	Part No.	Description	Qty.
18	1-633144	Pin, Trunion	2
19	3256-4	Washer, 3/8 Std	4
20	1-633454	Spring, Brake Rod	2
21	323-4	Screw, 3/8-16 x 3/4	9
22	103-4630	Asm, Lever (1-653074-03) W/Grip	1
23	1-633268	Grip, Brake Lever	1
24	1-653381	Spacer(Short)	4
25	109-5618	Nut, Square Special 1/2-13	8
26	103-2399	Pin, Spring Clevis	2
27	1-633102	Bearing, Flange	4
28	3290-357	Nut, Whizlock 3/8-16	8
29	103-3116	Shaft Wldmt, Brake	1
30	1-653061	Linkage, Brake Handle	1
31	1481	Zerk, Grease	2
32	98-5975	Washer, Disc Spring 3/8	1
33	1-523157	Washer, Spacer	2
34	103-0353-03	Bracket, Brake	2

Exmark black touch up spray paint – gloss black.

PARK BRAKE GROUP



HYDRAULIC GROUP

Item	Part No.	Description	Qty.
1	103-1947	Asm, Reservoir W/ Decal	1
2	103-7615	Asm, Cap W/Gasket	1
3	103-1949	Gasket, Reservoir Cap	1
4	321-6	Screw, 1/4-20 x 1.0	2
5	3256-22	Washer, Flat SAE 1/4	2
6	103-3071-03	Wld, Reservoir Stand	1
7	103-1801	Adapter, Straight	1
	1-603921	Boss O-Ring	1
8	103-1912	Adapter, Straight	1
	1-603921	Boss O-Ring	1
9	103-1716	Clamp, Hose (17/32)	3
10	103-1988	Clamp, Hose (11/16)	3
11	103-3077	Asm, Supply Hose	1
12	103-2889	Asm, Filter Head	1
	103-1912	Adapter, Straight	2
	1-603921	O-Ring	1
13	321-3	Screw, 1/4-20 x 5/8	2
14	322-5	Screw, 5/16-18 x 1	2
15	1-805004	Lockwasher	2
16	109-4180	Element, Oil Filter	1
▼	1-523541	Element, Oil Filter (Winter)	1
17	103-2930	Asm, Charge Hose	1
18	103-2357	Asm, Case Drain Hose	1
19	1-653437	Hose, RH Rear	1
20	1-653436	Hose, RH Front	1
21	1-633605	Elbow, 90° (RH Wheel Motor)	2
	1-603919	Boss O-Ring	1
	1-603992	Flare O-Ring	1
22	1-523328	Motor, Wheel	2
	103-6995	Kit, Output Shaft & Seals	1
	103-6994	Kit, Seal	1
23	103-1799	Elbow, 90°	2
	1-603921	Boss O-Ring	1
24	1-807272	Key 5 x 5 x 25mm	2
25	103-1802	Elbow, 90°	2
	1-603921	Boss O-Ring	1

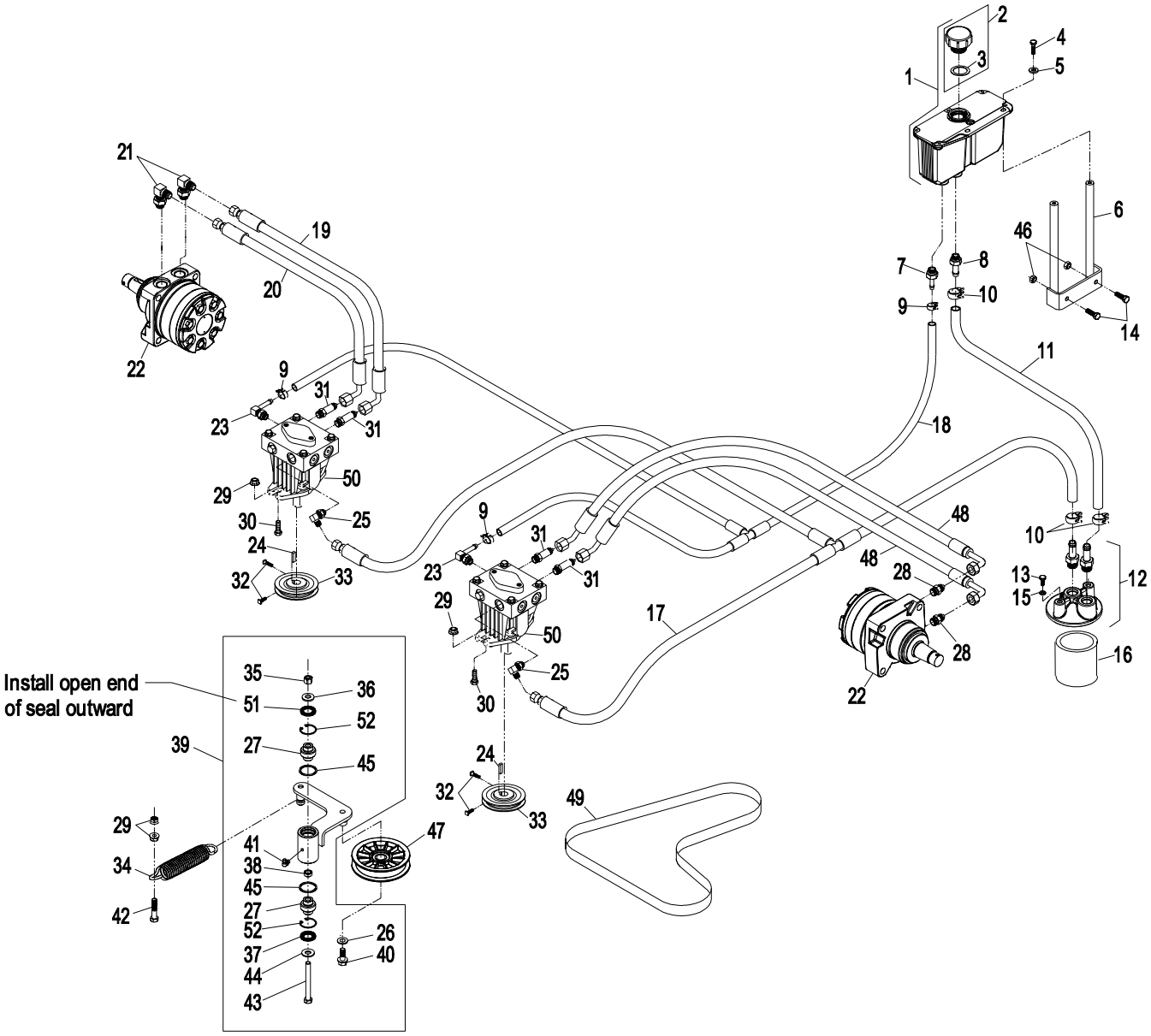
Item	Part No.	Description	Qty.
26	3256-24	Washer, 3/8 SAE Flat	1
27	103-3504	Bearing, Spherical	2
28	1-603991	Adapter, Straight (LH Wheel Motor)	2
	1-603919	Boss O-Ring	1
	1-603992	Flare O-Ring	1
29	3290-357	Nut, Whizlock 3/8-16	6
30	323-7	Screw, 3/8-16 x 1 1/4	4
31	103-1940	Adapter, Straight Long	4
	1-603920	Boss O-Ring	1
	1-603992	Flare O-Ring	1
32✧	1-803050	Setscrew, .312-18 x .75	4
33	1-653156	Sheave, Pump Drive	2
34	103-4480	Spring, Extension	1
35	3296-39	Nut, Nyloc 3/8-16	1
36	98-5975	Washer, Disc Spring	1
37	103-3505	Seal, Double, Lip	1
38	103-5677	Spacer	1
39	109-4311	Arm, Idler W/ Bearings	1
40	3234-11	Screw, 3/8-16 x 1 Whizlock	1
41	302-40	Zerk, 90° 1/4-28	1
42	323-9	Screw, 3/8-16 x 1 3/4	1
43	98-5961	Screw, 3/8-16 x 4 Gr 8	1
44	3256-4	Washer, 3/8 Std Flat	1
45	106-7159	O-ring	2
46	32128-20	Nut, 5/16-18 Whizlock	2
47	109-4077	Pulley, Idler	1
48	103-3810	Hose, LH	2
49	103-4761	Belt, Pump Drive	1
50	103-1942	Pump, Hydro	2
	103-2664	Kit, Input Shaft 10A	1
	94-6922	Kit, Thrust Bearing 10A	1
	103-2666	Kit, Cylinder Block 10A	1
	105-6184	Kit, Overhaul Seal	1
	103-2741	Kit, Shock Valve 10a/10l	1
51	103-3506	Seal, Single Lip	1
52	32120-10	Ring, Retaining	2

Exmark black touch up spray paint – gloss black.

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

✧ Use Pro-Lock, Nut Type (P/N 1-840022).

HYDRAULIC GROUP



ENGINE GROUP

Item	Part No.	Description	Qty.
1	103-3078-03	Strap, Engine Guard	2
2	32128-20	Nut, Whizlock 5/16-18	20
3	322-3	Screw, 5/16-18x3/4	2
4	3212-10	Screw, HH 7/16-20 x 2 1/2	1
5	103-3913	Sheave, Pump Drive (23HP)	1
	103-9772	Sheave, Pump Drive (27HP)	1
6	103-3426	Muffler, Kit	1
7	1-805005	Washer, Lock 5/16 Heavy	1
8	3256-3	Washer, 5/16 Std Flat	2
9	32128-20	Nut, Whizlock 5/16-18	4
10	322-10	Screw, HH 5/16-18 x 2	4
11	103-3218-03	Wld, Tailpipe Guard	1
12✧	109-0876	Asm, Oil Drain W/Plug	1
13	109-8385-03	Anchor, Clutch (27HP)	1
	109-7070-03	Anchor, Clutch (23HP)	1
14	103-3094-03	Deflector, Air LH	1
15	1-805004	Washer, Lock 1/4 Hvy	4
16	32128-33	Nut, Flange 1/4-20	6
17	3229-10	Screw, Carr 1/4-20 x 1/2	6
18	103-3288-03	Guard, Muffler RH	1
19	103-3287-03	Guard, Muffler LH	1
20	1-807259	Key	1

Item	Part No.	Description	Qty.
21	103-2308	Spacer, Crankshaft (23HP)	1
	103-9891	Spacer, Crankshaft (27HP)	1
22	33113-020	Screw, HH M6-1 x 20mm	2
23	33013-00	Nut, Hex M6-1	2
24	1-603610	Washer, Disc Spring 7/16	2
25◆	3212-10	Screw, 7/16-20 x 2 1/2	1
26	1-303335	Plastic Tie (Large)	1
27	1-303334	Washer, Spring Disc	4
28	3256-23	Washer, 5/16 SAE Flat	6
29	103-2740-03	Shield, Heat	1
30	109-9276	Clutch, W/Pigtail (23HP)	1
	109-9275	Clutch, W/Pigtail (27HP)	1
	103-3012	Kit, Brake Pole Module	1
31	103-2988-03	Bracket, Muffler RH	1
32	107-8421-03	Counterweight, 60#	1
33	322-7	Screw, Cap HH 5/16-18x1 1/2	8
34	1-653291	Gasket	2
35	109-1012	Plug	1
36	103-2987-03	Bracket, Muffler LH	1
37	103-3095-03	Deflector, Air RH	1
38	322-5	Screw, HH 5/16-18 x 1	9

Exmark black touch up spray paint – gloss black.

✧ Use a Teflon Pipe Sealant or equivalent on threads.

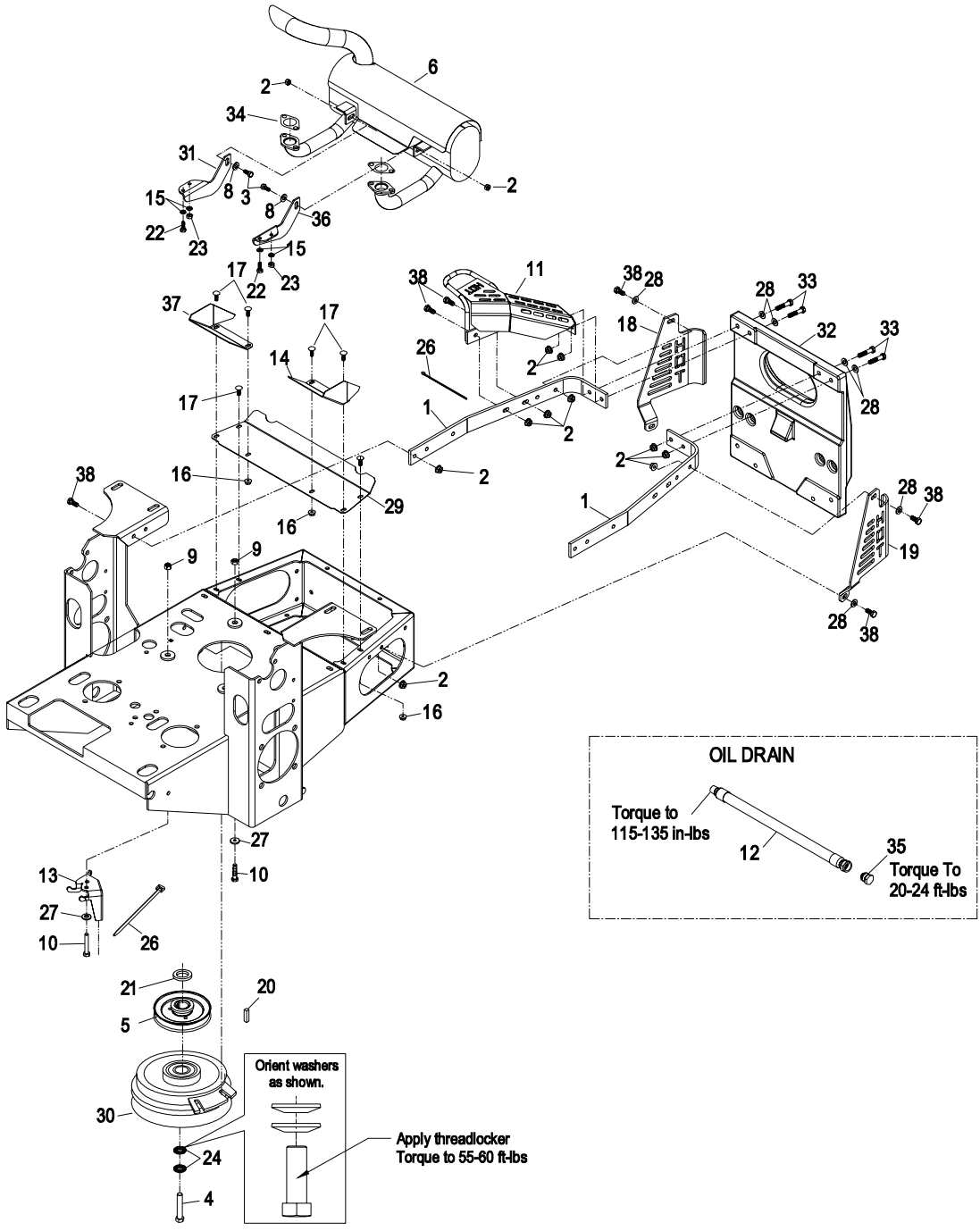
◆ Use Pro-Lock, Nut Type (P/N 1-840022, .5ml tube) on clutch bolt.

Kohler Replacement Parts List

(Refer to Engine Owner's Manual)

Description	Kohler P/N
Air Filter Element – Outer	2508301-S
Air Filter Element – Inner	2508304-S
Oil Filter	12 050 01

ENGINE GROUP



DECAL GROUP

Item	Part No.	Description	Qty.
1	103-4891	Decal, Console LHP	1
2	1-513748	Decal, Guard	1
3	1-633922	Decal, Anti-Scalp	1
4	1-403132	Decal, Commercial 52”	1
5	1-513742	Decal, No Step	2
6	107-2112	Decal, Danger Slope	1
7	107-2102	Decal, ROPS Folding	1
8	98-5954	Decal, Missing Cover	2
9	103-4892	Decal, Throttle	1
10	1-303508	Decal, Discharge Warning	1
11	1-513746	Decal, Muffler	2
12	103-9287	Decal, Belt Routing	1
13	1-403005	Decal, Danger	2

Item	Part No.	Description	Qty.
14	1-523552	Decal, Hyd Tank/Hot Surface	1
15	1-653147	Decal, Deck Height	1
16	109-3148	Decal, Bolt Torque	2
17	103-2644	Decal, Exhaust System	1
18	103-3142	Decal, LHP Model	1
19	103-6340	Decal, Check Service	1
20	103-2882	Decal, Exmark Logo	1
21	1-303520	Decal, Tri-Vantage	1
22	109-7949	Decal, Wheel Hub Slotted	2
23	109-1196	Decal, Ignition/PTO	1
24	103-4930	Decal, Choke	1
25	108-5995	Decal, Top Console	1
	103-4581	Decal Kit	

DECAL GROUP

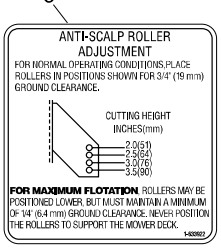
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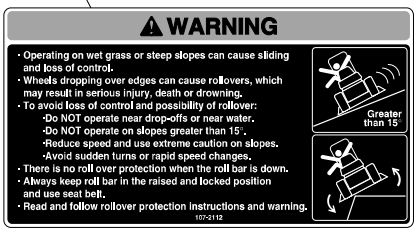
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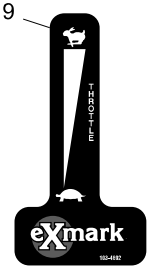
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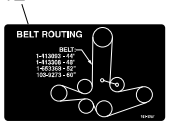
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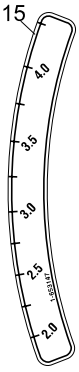
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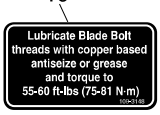
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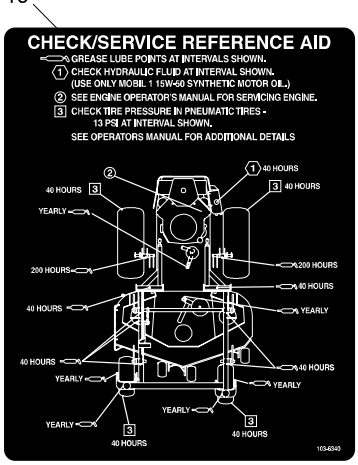
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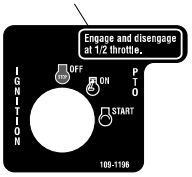
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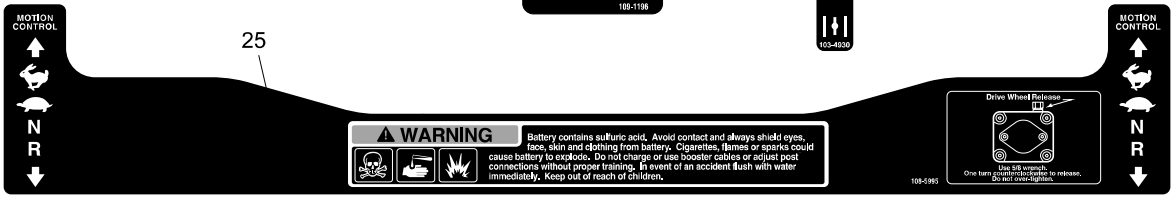
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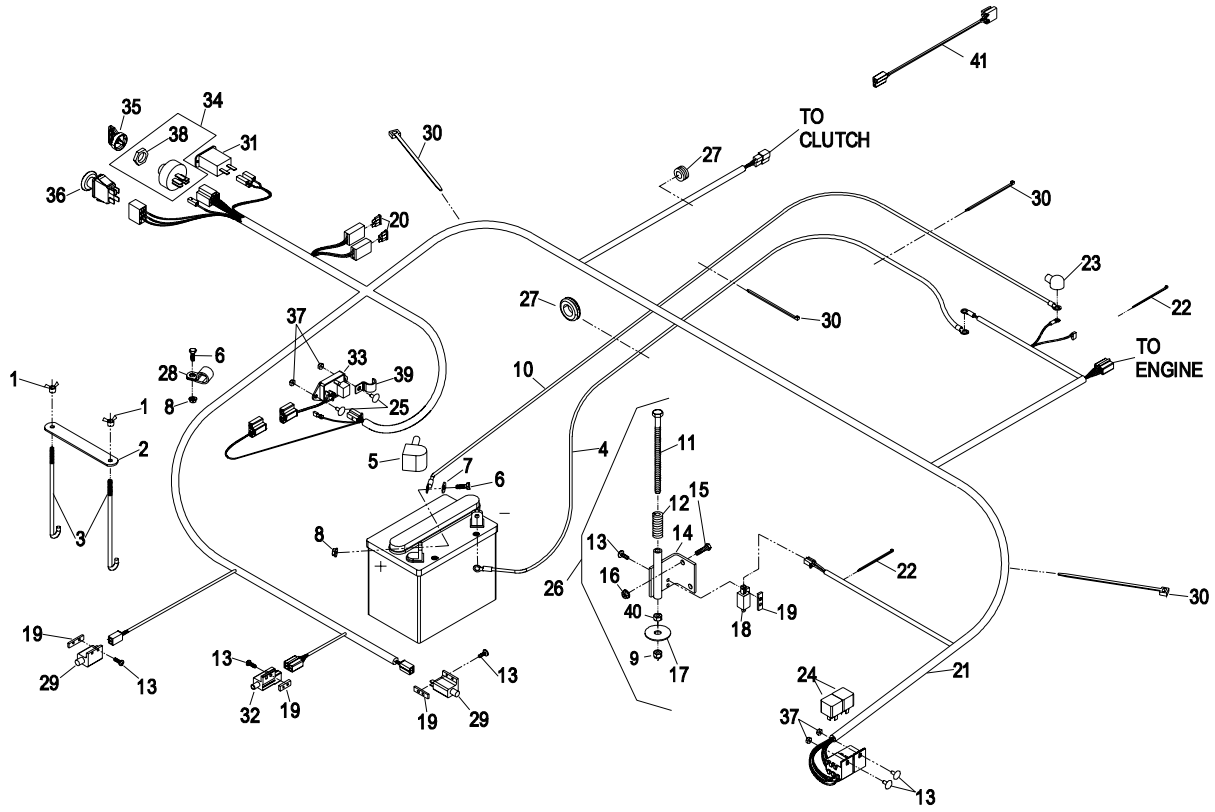
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ELECTRICAL GROUP



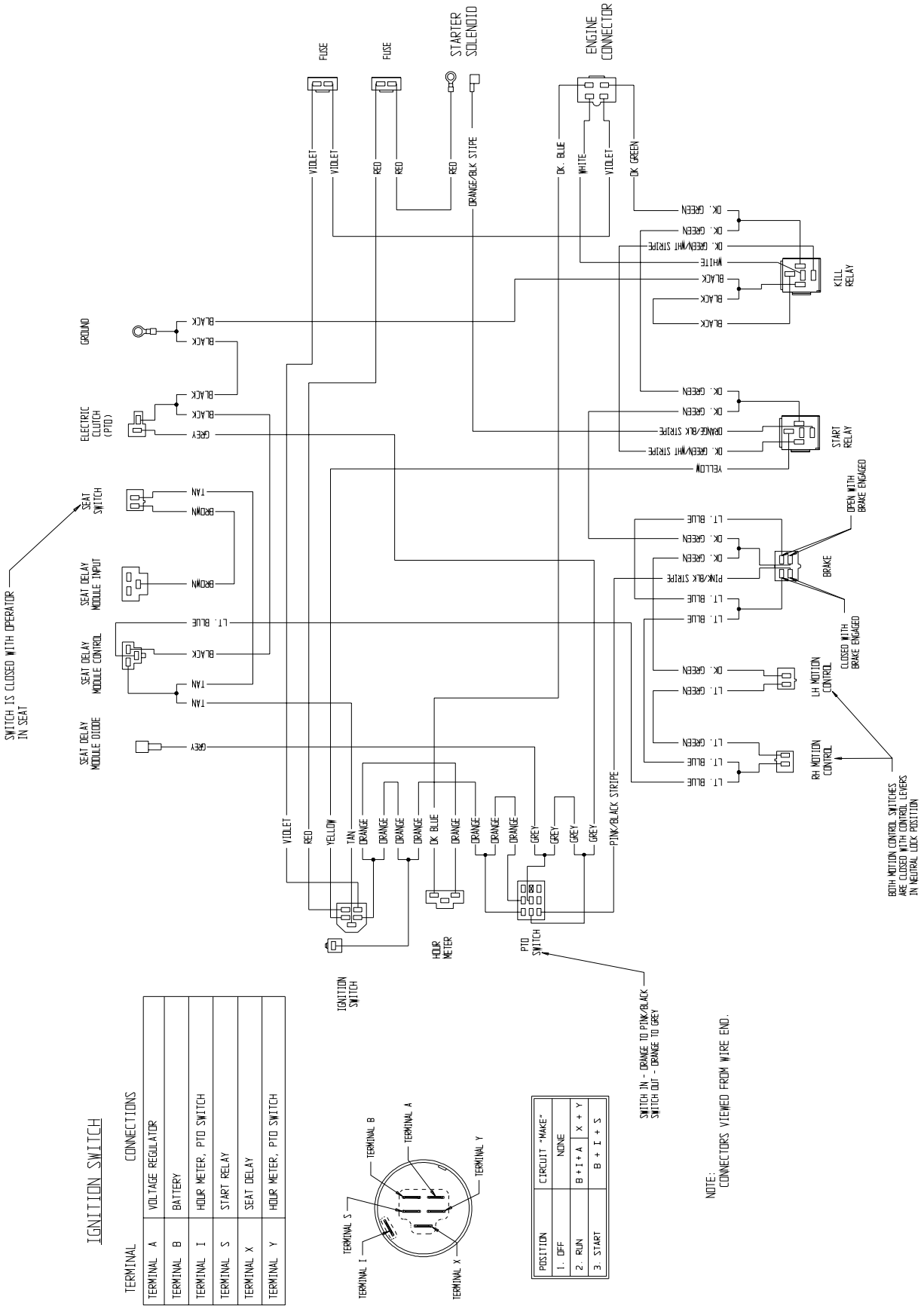
Item	Part No.	Description	Qty.
1	1-543792	Wingnut, Nyloc 1/4-20	2
2	107-9277-03	Strap, Battery Holdown	1
3	1-633651	Bolt, Battery Holdown	2
4	103-0705	Cable, Ground (-)	1
5	109-2407	Insulator, Battery	1
6	321-4	Screw, 1/4-20 x 3/4	3
7	3256-2	Washer, 1/4 Flat	2
8	32128-33	Nut, 1/4-20 Whizlock	3
9	3296-29	Nut, Nyloc 5/16-18	1
10	109-7630	Cable, Battery (+)	1
11	1-800282	Screw, 5/16-18 x 7	1
12	1-523415	Spring, Seat Switch	1
13	3290-500	Screw, #10-24 x 5/8	10
14	1-652072-03	Bracket Wldmt, Seat Switch	1
15	322-3	Screw, 5/16-18 x 3/4	2
16	32128-20	Nut, Whizlock 5/16-18	4
17	1-653036	Washer	1
18	1-513152	Switch, Seat	1
19	1-633181	Plate	4
20	1-816001	Fuse-20 Amp	2
21◆	103-9259	Harness, Wiring	1

Item	Part No.	Description	Qty.
22	1-303287	Plastic Tie, Small	2
23	1-543393	Insulator, Solenoid (+)	1
24	1-643275	Relay, 12 V	2
25	1-803075	Screw-head, Truss [#10-24X.75]	2
26	103-5685	Asm, Seat Switch Actuator	1
27	1-543286	Grommet	2
28	1-633396	Clip, Loom 5/8	1
29	1-513051	Switch, Drive Lever N.O.	2
30	1-303335	Plastic Tie, Large	4
31	1-513374	Meter, Engine Hours	1
32	1-633111	Switch, Brake N.O./N.C.	1
33	103-5218	Module, Seat Delay	1
34	109-4736	Asm, Switch W/Nut	1
35	103-2106	Key, Exmark Logo	1
	1-603511	Key, Ignition	1
36	103-5221	Switch, Blade	1
37	3296-2	Nut, Nyloc #10-24	4
38	103-0498	Nut, Ignition	1
39	103-1193	Clip, Loom Half	1
40	3217-6	Nut, Hex 5/16-18	1
41	109-9274	Harness, Clutch	1

Exmark black touch up spray paint – gloss black.

◆ Use dielectric grease on all wiring harness connectors.

ELECTRICAL DIAGRAM

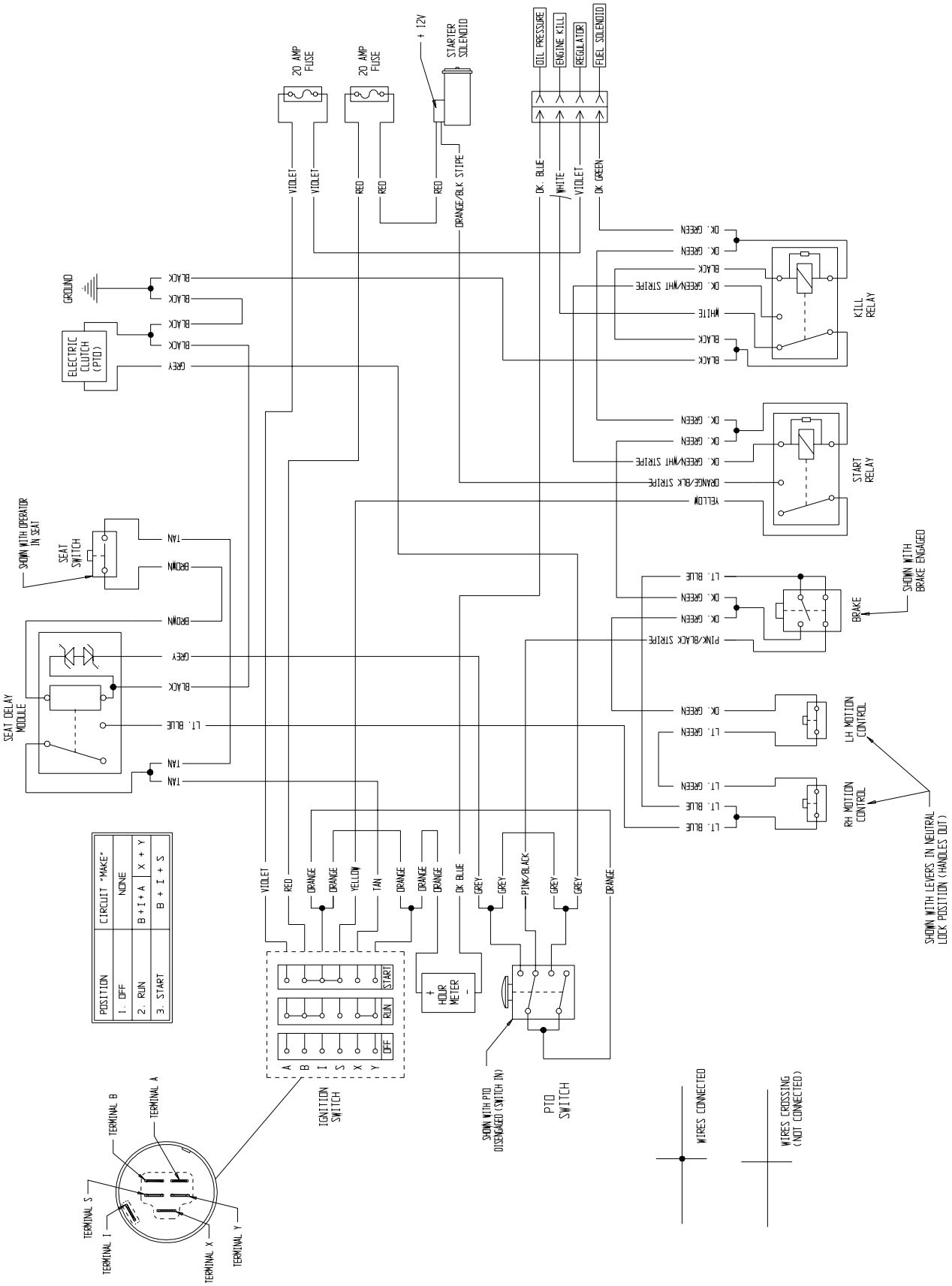


IGNITION SWITCH

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

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

ELECTRICAL LOGIC SCHEMATIC



NOTES

SEE EXMARK'S COMPLETE LINE OF ACCESSORIES

MID-MOUNT RIDING ACCESSORIES

CUSTOM RIDE SEAT SUSPENSION SYSTEM
DECK LIFT ASSIST KIT
HITCH KIT
LAZERLOCKER
LIGHT KIT
MICRO-MULCH SYSTEM
OPERATOR CONTROLLED DISCHARGE
ROLL OVER PROTECTION SYSTEM (ROPS)
SNOW BLADE
SUN SHADE
TRASH CONTAINER
TURF STRIPER
ULTRA VAC COLLECTION SYSTEM
ULTRA VAC QUICK DISPOSAL SYSTEM

OUT-FRONT RIDING ACCESSORIES

CUSTOM RIDE SEAT SUSPENSION SYSTEM
DUAL-TAIL WHEEL
FLOOR PAN EXTENDER
HITCH KIT
LIGHT KIT
MICRO-MULCH SYSTEM
ROLL OVER PROTECTION SYSTEM (ROPS)
ROTARY BROOM
SNOW BLADE
SNOWBLOWER
SUN SHADE
TRASH CONTAINER
ULTRA VAC COLLECTION SYSTEM
ULTRA VAC QUICK DISPOSAL SYSTEM
WEATHER CAB

WALK-BEHIND ACCESSORIES

GRASS CATCHER
LAZERLOCKER
MICRO-MULCH SYSTEM
TURF STRIPER
STANDON

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