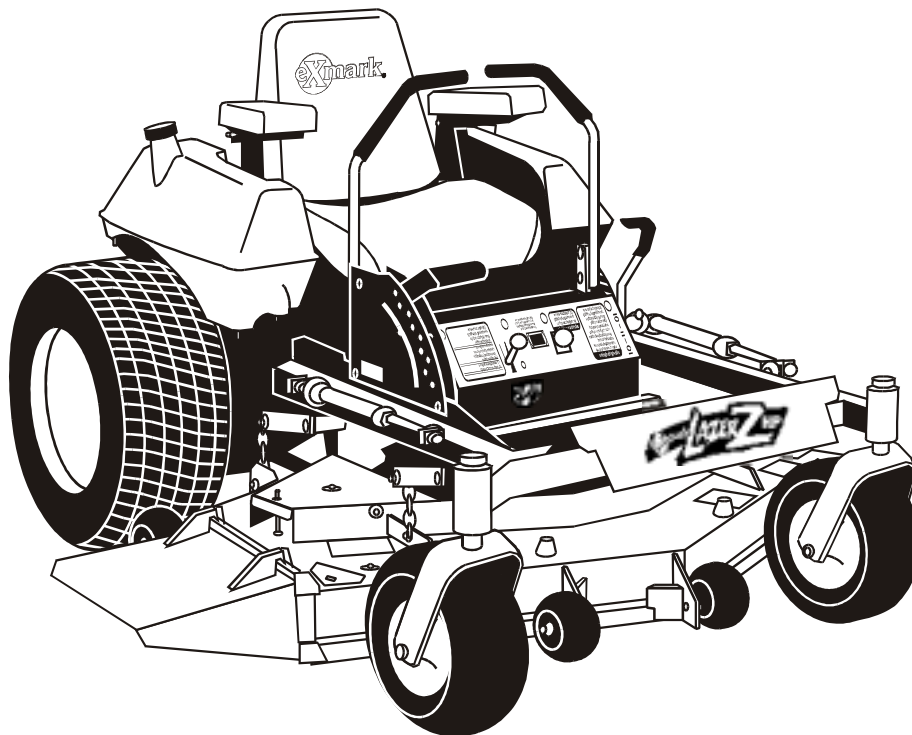


For Serial Nos.
320,000 & Higher



PART'S MANUAL

LAZER Z[®] HP

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

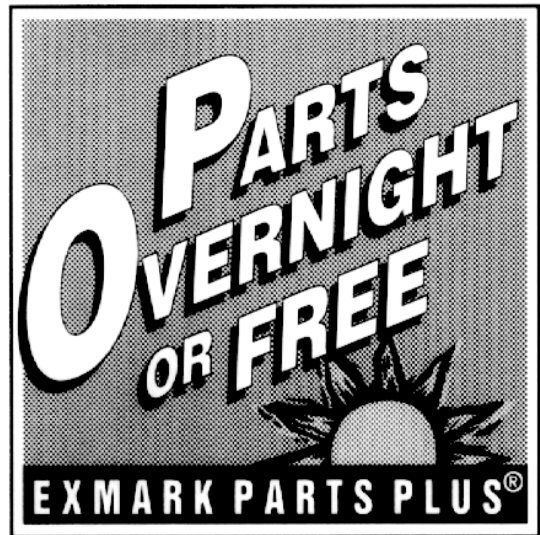
EFFECTIVE DATE: September 1, 1995

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

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

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



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

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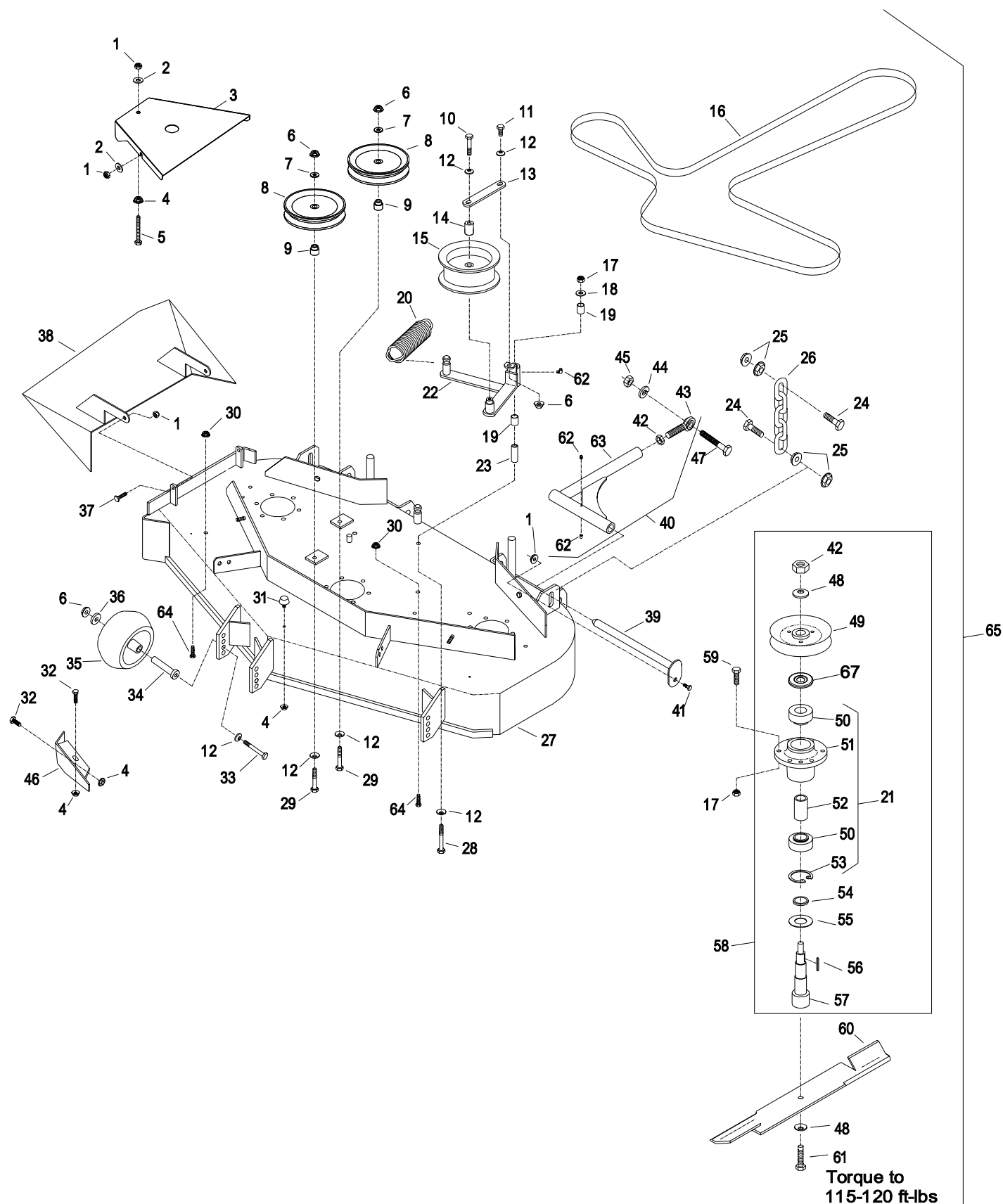
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44" and 48" DECK GROUP

Ref. No.	Part No.	Description	Qty. Req'd.	Ref. No.	Part No.	Description	Qty. Req'd.
1	3296-29	Nut, nyloc 5/16-18	10	38	1-402106-01	Chute wldmt, discharge (44")(48")	1
2	3256-3	Washer, 5/16 std flat	6	39	1-632199-01	Pin wldmt, deck strut	2
3	1-653482-01	Shield, belt	2	40	103-1081	Strut wldmt, assembly	2
4	32128-20	Nut, whizlock 5/16-18	5	41	322-3	Screw, 5/16-18 x 3/4	2
5	1-800017	Bolt, 5/16 x 3 1/4 tap	2	42	3219-6	Nut, 5/8-18	5
6	3290-357	Nut, whizlock 3/8-16	6	43	1-633029	Spherical rod end	2
7	3256-24	Washer, 3/8 SAE flat	2	44	3253-8	Washer, lock 5/8	2
8	1-613098	Pulley, Idler	2	45	3217-11	Nut, 5/8-11	2
9	1-413113	Bushing, Idler	2	46	1-522480-01	Baffle, discharge	1
10	323-11	Screw, 3/8-19 x 2 1/4	1	47	1-800344	Screw, 5/8-11 x 6	2
11	323-6	Screw, 3/8-16 x 1	1	48	1-513208	Washer, spring disc.	3
12	98-5975	Washer, disc spring 3/8	8	49	1-413424	Sheave, w/hub 6 5/16" O.D.(48")	3
13	1-653189	Plate, Belt guide	1		1-653099	Sheave, w/hub 6" O.D. (44")	3
14	1-653190	Spacer	1	50	1-513016	Bearing	6
15	1-413099	Pulley, Idler	1	51	1-323532	Housing, spindle	3
16	1-413308	Belt, deck drive (48")	1	52	1-323528	Spacer, bearing	3
	1-413093	Belt, deck drive (44")	1	53	1-808502	Ring, snap	3
17	3296-39	Nut, nyloc 3/8-16	19	54	1-323533	Spacer	3
18	3256-4	Washer, 3/8 std flat	1	55	1-633573	Guard, bearing-bottom	3
19	1-513034	Bearing, pivot	2	56	1-807268	Key, machine	3
20	1-633151	Spring, extension	1	57	103-0957	Shaft, spindle	3
21	1-634619	Housing, w/brg,spacer,&ring...	3	58	103-1105	Housing,cutter assy(complete)(48")	3
22	1-652192-01	Idler arm wldmt	1		103-1183	Housing,cutter assy(complete)(44")	3
	1-654193	Idler arm wldmt w/bushings..	1	59	323-7	Screw, 3/8-16 x 1 1/4	18
23	1-603384	Bushing, idler pivot	1	60	1-323515	Blade, 16.25 notched air foil (48")...	3
24	1-800811	Screw, 7/16-14 x 1 1/2	8		1-413438	Blade, 16.25 solid air foil (48")	3
25	32128-37	Nut, whizlock 7/16-14	16	●	1-403148	Blade, 16.25 mulching (48")	6
26	1-633447	Chain, deck lift	4		1-403149	Blade, 16.25 low lift (optional)(48") ...	3
27	1-651312	Deck wldmt 1-652311-01 (48")			103-1577	Blade, 16.25 bahia (48")	3
		w/decals & discharge baffle .	1		1-653101	Blade, 15.25 notched air foil (44") ...	3
	1-654175	Deck wldmt 1-652124-01 (44")		●	1-653178	Blade, 15.25 solid air foil (44")	3
		w/decals & discharge baffle .	1		1-653102	Blade, 15.25 mulching (44")	3
28	3253-7	Screw, 3/8-16 x 3 1/2	1		1-653179	Blade, 15.25 low lift (optional)(44") ...	3
29	323-13	Screw, 3/8-16 x 2 3/4	2		103-1579	Blade, 15.25 bahia (48")	3
30	32128-33	Nut, whizlock 1/4-20 (48")	4	61	103-0862	Screw, 5/8-18 x 2 3/4 Gr 8	3
	32128-33	Nut, whizlock 1/4-20 (44")	1	62	302-19	Zerk, 1/4-18 straight	5
31	1-543963	Bumper, rubber	1	63	103-1072-01	Strut wldmt	2
32	322-2	Screw, 5/16-18 x 5/8	2	64	321-1	Screw, 1/4-20 x 3/8 (48")	4
33	98-5961	Screw, 3/8-16 x 4 gr 8	3		321-1	Screw, 1/4-20 x 3/8 (44")	1
34	1-603602	Bushing, roller	3	65	1-654550	Deck complete service (44")	1
35	1-603299	Roller, anti-scalp	3		1-654551	Deck complete service (48")	1
36	1-373034	Washer, swivel	3	66	103-0865	Washer, spring disc	3
37	322-5	Screw, 5/16-18 x 1	2	67	103-1330	Guard, bearing top	3

- Requires installation of Micro-Mulch accessory for proper mulching. Mulch kit P/N's MK483(48") & MK443(44")
Exmark red touch up spray paint – P/N 1-850337

44" and 48" DECK GROUP



52" DECK GROUP

Ref. No.	Part No.	Description	Qty. Req'd.	Ref. No.	Part No.	Description	Qty. Req'd.
1	3296-29	Nut, nyloc 5/16-18	10	36	1-373034	Washer, swivel.....	5
2	3256-3	Washer, 5/16 std flat	6	37	322-5	Screw, 5/16-18 x 1	2
3	1-653482-01	Shield, belt.....	2	38	1-652375-01	Chute wldmt, dishcharge ...	1
4	32128-20	Nut, whizlock 5/16-18	7	39	1-632199-01	Pin wldmt, deck strut.....	2
5	1-800017	Bolt, 5/16 x 3 1/4 tap	2	40	103-1081	Strut wldmt, assembly.....	2
6	3290-357	Nut, whizlock 3/8-16	8	41	322-3	Screw, 5/16-18 x 3/4	2
7	3256-24	Washer, 3/8 SAE flat	2	42	3219-6	Nut, 5/8-18	5
8	1-613098	Pulley, Idler	2	43	1-633029	Spherical rod end	2
9	1-413113	Bushing, Idler	2	44	3253-8	Washer, lock 5/8	2
10	323-11	Screw, 3/8-19 x 2 1/4	1	45	3217-11	Nut, 5/8-11	2
11	323-6	Screw, 3/8-16 x 1	1	46	1-602913-01	Baffle, discharge	1
12	98-5975	Washer, disc spring 3/8.....	10	47	1-800344	Screw, 5/8-11 x 6	2
13	1-653189	Plate, Belt guide	1	48	1-513208	Washer, spring disc.	3
14	1-653190	Spacer	1	49	1-653386	Sheave, w/hub 6.71" O.D	3
15	1-413099	Pulley, Idler	1	50	1-513016	Bearing	6
16	1-653368	Belt, deck drive	1	51	1-323532	Housing, spindle.....	3
17	3296-39	Nut, nyloc 3/8-16	19	52	1-323528	Spacer, bearing	3
18	3256-4	Washer, 3/8 std flat	1	53	1-808502	Ring, snap	3
19	1-513034	Pivot, Bearing	2	54	1-323533	Spacer	3
20	1-633151	Spring, extension.....	1	55	1-633573	Guard, bearing-bottom	3
21	1-634619	Housing,w/brg,sprc,&ring ..	3	56	1-807268	Key, machine	3
22	1-652192-01	Idler arm wldmt.....	1	57	103-0957	Shaft, spindle	3
	1-654193	Idler arm wldmt w/bushings	1	58	103-1184	Housing,cutter assy(complete) .	3
23	1-603384	Bushing, idler pivot	1	59	323-7	Screw, 3/8-16 x 1 1/4	18
24	1-800811	Screw, 7/16-14 x 1 1/2	8	60	1-633482	Blade, 18.0 notched air foil ...	3
25	32128-37	Nut, whizlock 7/16-14	16		1-613251	Blade, 18.0 solid air foil	3
26	1-633447	Chain, deck lift.....	4	●	1-633484	Blade, 18.0 mulching.....	3
27	1-654478	Deck wldmt 1-652418-01 w/ decals & discharge baffle ..	1		1-633485	Blade, 18.0 low lift(optional)..	3
28	1-800805	Screw, 3/8-16 x 3 1/2	1		103-1578	Blade, 18.0 bahia	3
29	323-13	Screw, 3/8-16 x 2 3/4	2	61	103-0862	Screw, 5/8-18 x 2 3/4 gr 8	3
30	32128-33	Nut, whizlock 1/4-20	4	62	302-19	Zerk, 1/4-18 straight.....	5
31	1-543963	Bumper, rubber	2	63	103-1072-01	Strut wldmt.....	2
32	322-2	Screw, 5/16-18 x 5/8	3	64	321-1	Screw, 1/4-20 x 3/8	4
33	98-5961	Screw, 3/8-16 x 4 gr 8	5	65	1-654552	Deck complete service.....	1
34	1-603602	Bushing, roller	5	66	103-0865	Washer, spring disc	3
35	1-603299	Roller, anti-scalp.....	5	67	103-1330	Guard, bearing top	3

- Requires installation of Micro-Mulch accessory for proper mulching. Mulch kit P/N MK523
Exmark red touch up spray paint – P/N 1-850337

FRONT FRAME GROUP

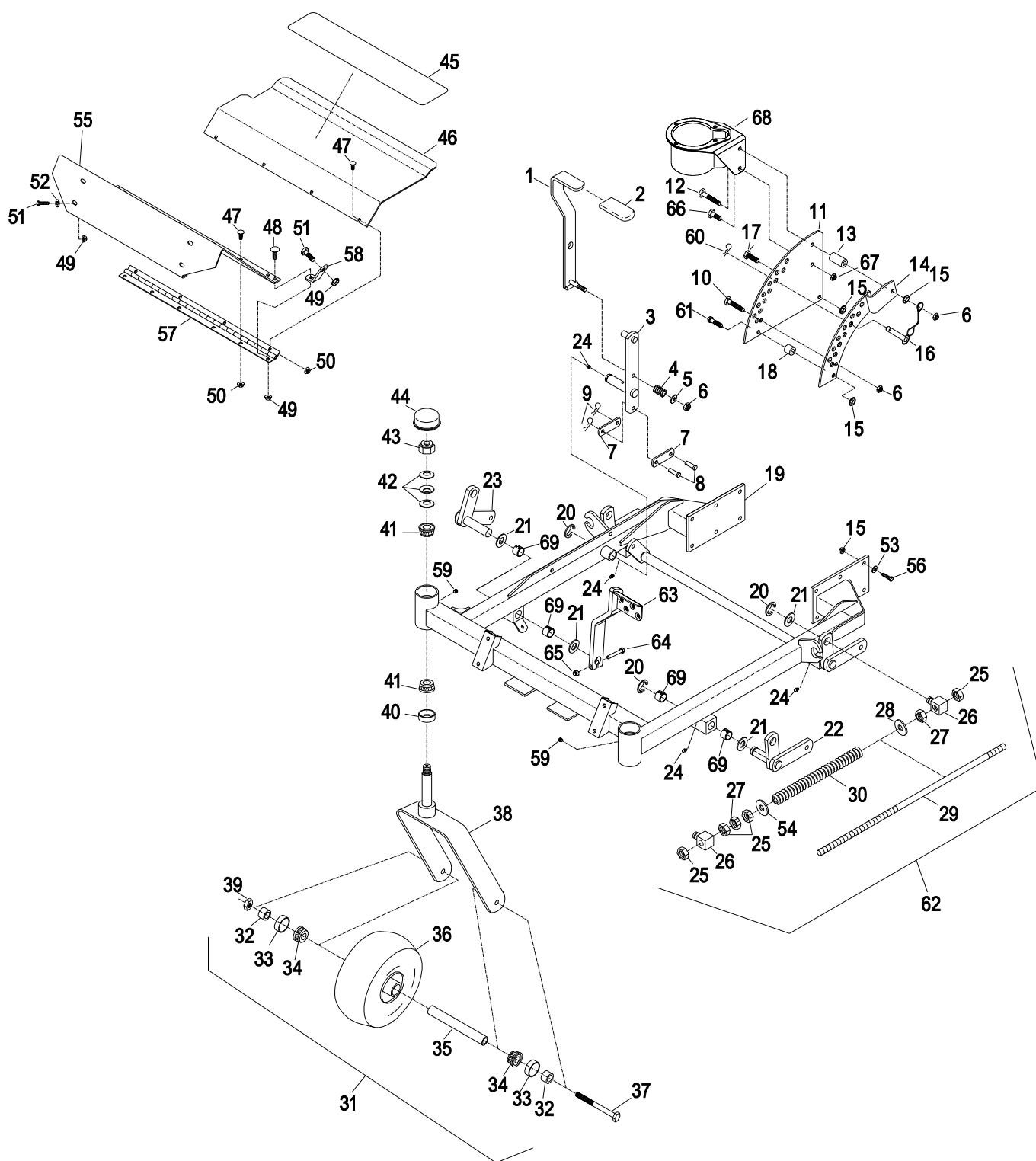
Ref. No.	Part No.	Description	Qty. Req'd.	Ref. No.	Part No.	Description	Qty. Req'd.
1	103-2081	Asm, lever w/grip (103-2078-03) .	1	35	1-633579	Spacer, front caster	2
2	1-633295	Grip, lift lever	1	36	103-0064	Wheel & tire assy.....	2
3	1-652027-03	Arm wldmt, deck lift.....	1		1-633002	Tire, 13x5.0-6 4 ply	2
4	1-633325	Spring, compression.....	1		103-0070	Wheel.....	2
5	3256-24	Washer, 3/8 SAE	1	37	325-36	Screw, 1/2-13 x 7 1/2	2
6	3296-39	Nut, nyloc 3/8-16 (44").....	3	38	1-632511-01	Caster wldmt.....	2
	3296-39	Nut, nyloc 3/8-16 (48"&52") ..	2	39	3296-45	Nut, nyloc 1/2-13 (light thin)	2
7	1-633068	Arm, deck lift.....	2	40	1-543511	Seal, grease	2
8	1-808284	Clevis, pin 3/8 x 1	2	41	1-543509	Bearing cone, tapered roller....	4
9	1-806003	Hairpin, cotter	2		1-543508	Bearing cup, tapered roller	4
10	323-9	Screw, 3/8-16 x 1 3/4	1	42	1-633508	Washer, spring disk	6
11	1-653230-01	Plate, deck lift.....	1	43	3296-51	Nut, nyloc 3/4-10.....	2
12	323-13	Screw, 3/8-16 x 2 3/4.....	1	44	1-543513	Cap, grease	2
13	1-633082	Bushing, lift lever	1	45	1-633553	Pad, anti-skid	2
14	1-652235-01	Plate wldmt, deck lift	1	46	99-3869-01	Floorpan.....	1
15	3290-357	Nut, whizlock 3/8-16	15	47	3229-10	Bolt, carriage 1/4-20 x 1/2.....	10
16	1-633097	Hitch pin w/lanyard	1	48	3230-1	Bolt, carriage 5/16-18 x 3/4.....	2
17	323-6	Screw, 3/8-16 x 1.....	1	49	32128-20	Nut, whizlock 5/16-18.....	8
18	1-413088	Bushing, lift lever	1	50	32128-33	Nut, whizlock 1/4-20 (44").....	10
19*	103-1991	Asm, front frame 44"	1		32128-33	Nut, whizlock 1/4-20 (48"&52")...11	
*	103-2460	Asm, front frame 48"	1	51	322-3	Screw, 5/16-18 x 3/4 (44"& 48")...6	
*	103-1994	Asm, front frame 52"	1	52	3256-3	Washer, 5/16 SAE flat(44"&48") 4	
20	32151-103	E-ring (44")	7	53	98-5975	Washer, 3/8 disc spring	12
	32151-103	E-ring (48"&52")	6	54	3256-27	Washer, 5/8 SAE flat	2
21	3256-29	Washer, 7/8 SAE flat (44")....	6	55	99-3868-01	Floorpan, front.....	1
	3256-29	Washer, 7/8 SAE flat(48"&52") 7		56	323-7	Screw, 3/8-16 x 1 1/4	12
22	1-652013-01	Shaft wld,deck lift LH.....	1	57	1-653049	Hinge, floorpan (piano)	1
23	1-652014-01	Shaft wld,deck lift RH (44")	1	58	99-3870-01	Bracket, floorpan.....	2
◇	103-1674-01	Shaft wld,deck lift RH(48"&52")1		59	1-811010	Plug	2
24	302-19	Zerk, 1/4-28 straight	5	60	1-806005	Hairpin, cotter (service only) ...1	
25	3217-11	Nut, 5/8-11 regular.....	8	61	323-8	Screw, cap HH3/8-16 x 1 1/2 ..1	
26	1-633441	Swivel, deck mount.....	4	62	103-1987	Asm, deck lift spring.....	1
27	3218-6	Jam nut, 5/8-11.....	4	63◇	103-1673-01	Wld, foot lift assist lever	1
28	1-805517	Washer, 5/8 std flat	2	64◇	332-10	Screw, 5/16-18 x 2	1
29	1-653011	Rod, deck lift.....	2	65◇	1-803013	Nut, torque 5/16-18	1
30	1-653009	Spring, deck support.....	2	66◇	321-2	Screw, 1/4-20 x 1/2	1
31	103-0068	Caster wheel assy	2	67◇	3296-59	Nut, nyloc 3/8-16 light thin.....	1
32	1-633581	Spacer, bearing	4	68◇	103-2437	Asm, cup holder.....	1
33	103-0063	Seal, bearing.....	4	69	103-1982	Bushing, spring	4
34	1-633585	Bearing cone	4				
	1-633584	Bearing, cup	2				

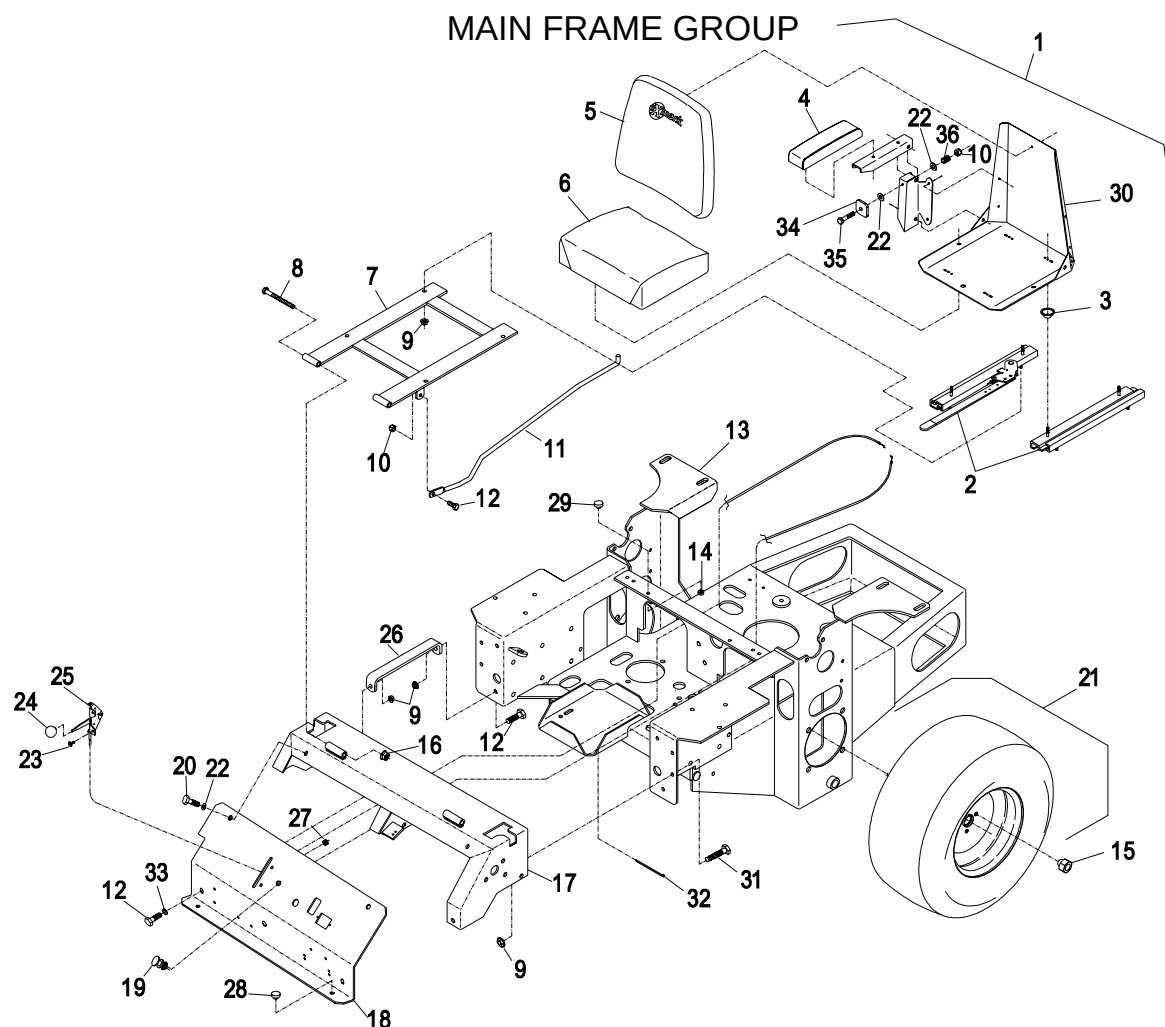
Exmark red touch up spray paint – P/N 1-850337

* Includes frame weldment plus items 22, 23 & 63 (item 63 not included with 44").

◇ Standard on 48" and 52" units. Optional on 44" units (Cup holder kit P/N 1-641284, Deck lift assist kit P/N 103-1675).

FRONT FRAME GROUP



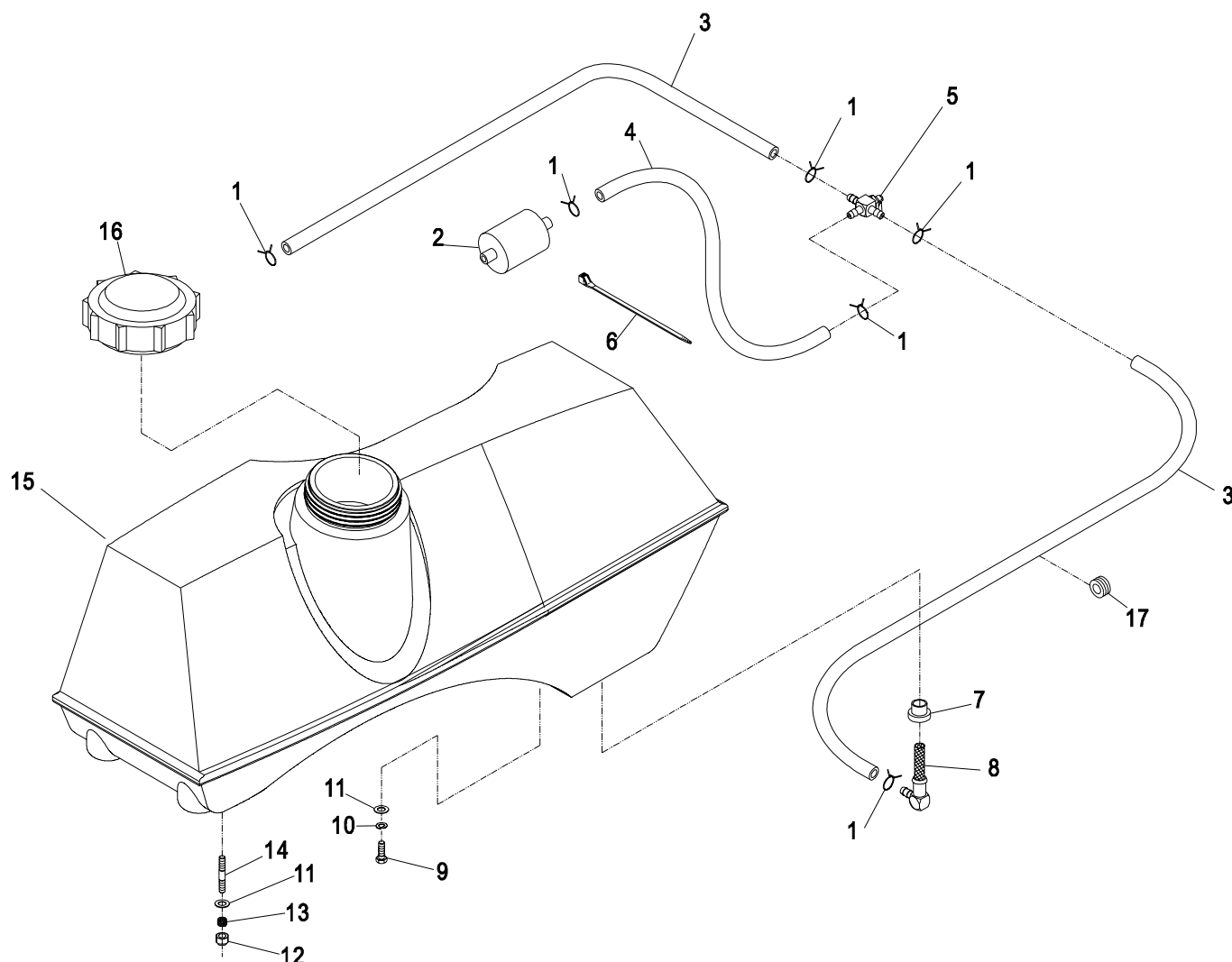


Ref. No.	Part No.	Description	Qty. Req'd.	Ref. No.	Part No.	Description	Qty. Req'd.
1	103-0287	Seat,complete w/armrests	1	20	322-3	Screw, 5/16 -18 x 3/4	3
2	1-643255	Track, seat (4" adjust.)	1	21	1-653010	Wheel/tire assy (44"deck)	2
3	1-543401	Spacer, seat track	2		1-653159	Wheel/tire assy(48"&52"deck) .	2
4	103-0292	Cushion, armrest (RH)	1		1-653158	Wheel (44" deck)	2
	* 103-0291	Cushion, armrest (LH).....	1		1-653161	Wheel (48" & 52" deck).....	2
5	103-0289	Cushion, backrest	1		1-653160	Tire, 23 x 9.5-12 4 ply	2
6	103-0290	Cushion, seat	1	22	3256-23	Washer, flat 5/16 SAE	6
7	1-632187-03	Frame, seat mount	1	23	1-807513	Bolt, carriage #10-24x1/2....	2
8	323-39	Screw, 3/8-16 x 5	2	24	1-513592	Ball, (red) throttle cable.....	1
9	32128-20	Nut, whizlock 5/16-18.....	12	25	1-633696	Cable, throttle.....	1
10	3296-29	Nut, nyloc 5/16-18	3	26	1-653089-03	Bracket, instrument panel .	1
11	103-1731	Rod, seat hold up	1	27	3296-2	Nut, nyloc #10-24.....	2
12	322-5	Screw, 5/16-18 x 1	3	28	1-513658	Bumper	2
13	103-1944-03	Frame, engine deck.....	1	29	1-523420	Bumper, rubber	2
14	3296-42	Nut, nyloc 1/4-20	2	30	1-633859	Seat frame	1
15	242-50	Nut, wheel 1/2-20	8	31	322-2	Screw, 5/8-18 x 5/8	6
16	3296-39	Nut, nyloc 3/8-16	2	32	1-303335	Tie, plastic.....	1
17	103-2197-03	Console wldmt, front	1	33	3256-3	Washer, flat std 5/16.....	2
18	103-0724	Panel,instrument w/decals (103-1194-03)	1	34	103-0284	Tab.....	2
19	1-603336	Cable, choke	1	35	322-7	Screw,HHC 5/16-18x1 1/2 ...	2
				36	1-633349	Spring.....	2

*Not Illustrated

Exmark black touch up spray paint – gloss black

FUEL GROUP

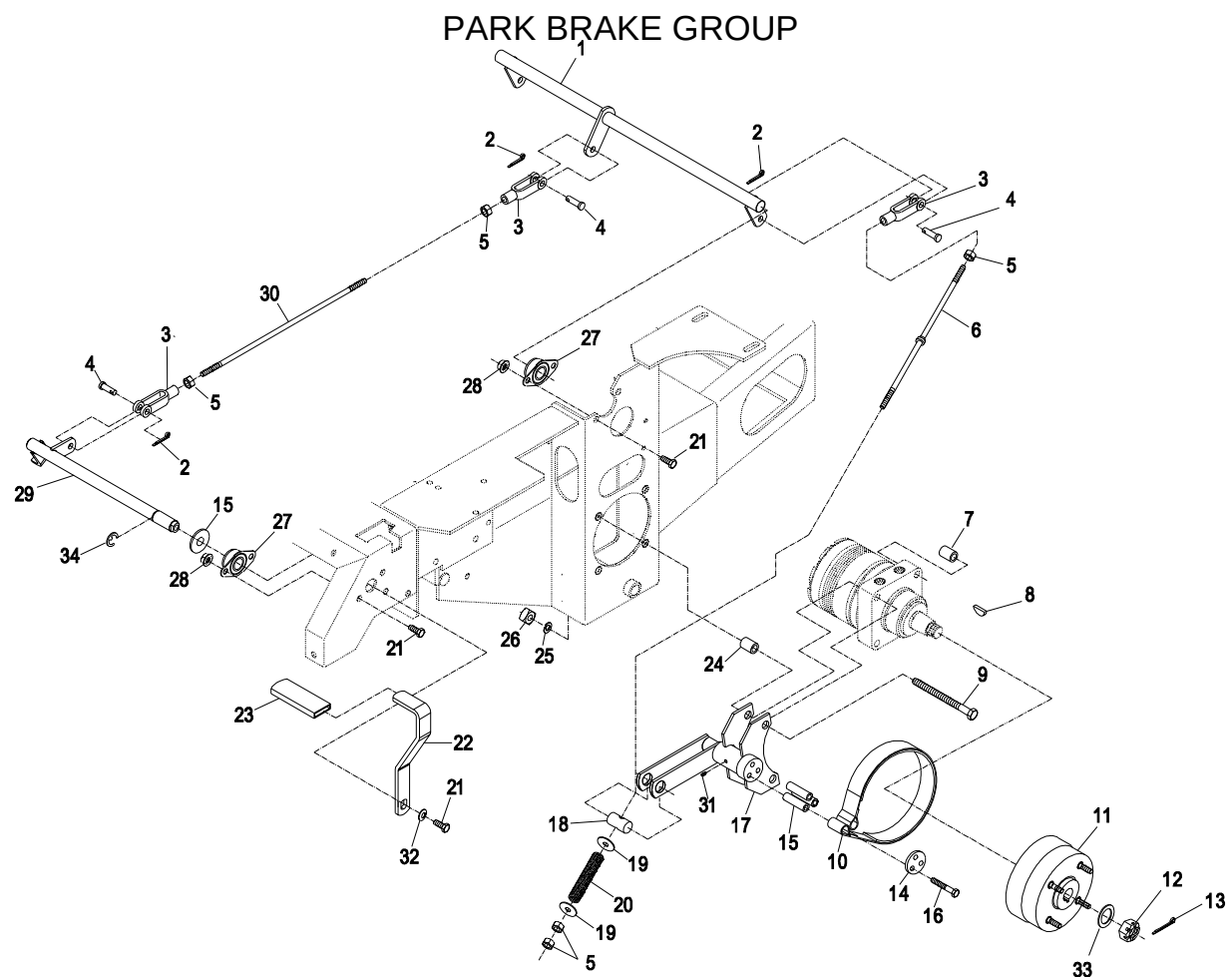


Ref. No.	Part No.	Description	Qty. Req'd.	Ref. No.	Part No.	Description	Qty. Req'd.
1	1-303077	Clamp, fuel line.....	6	10	1-805005	Washer, lock 1/4.....	4
2	◆ Kohler	Part No. 2405002 Fuel filter	1	11	3256-23	Washer, 5/16 SAE	8
	Kawasaki	Part No. 49019-7001 Fuel filter.....	1	12	3296-47	Nut, nyloc 5/16-18	4
3	1-543526	Fuel line	2	13	1-633349	Spring, fuel tank	4
4	103-0216	Fuel line	1	14	◇ 1-633023	Stud, fuel tank	4
5	1-633347	Valve, fuel.....	1	15	* 103-1768	Tank, fuel (LH)	1
6	1-303335	Plastic tie (large)	1		103-1769	Tank, fuel (RH).....	1
7	1-513645	Bushing.....	2	16	103-2107	Cap, fuel tank.....	2
8	1-543277	Elbow, strainer	2	17	1-543296	Grommet, fuel line	2
9	322-3	Screw, 5/16-18 x 3/4.....	4				

* Not Illustrated

◇ Use Pro-Lock, Nut Type (P/N 840022, .5ml tube) on stud threads going into tank.

◆ Refer to Engine Owner's Manual (Fuel filter **Must** be 15 Micron or smaller).

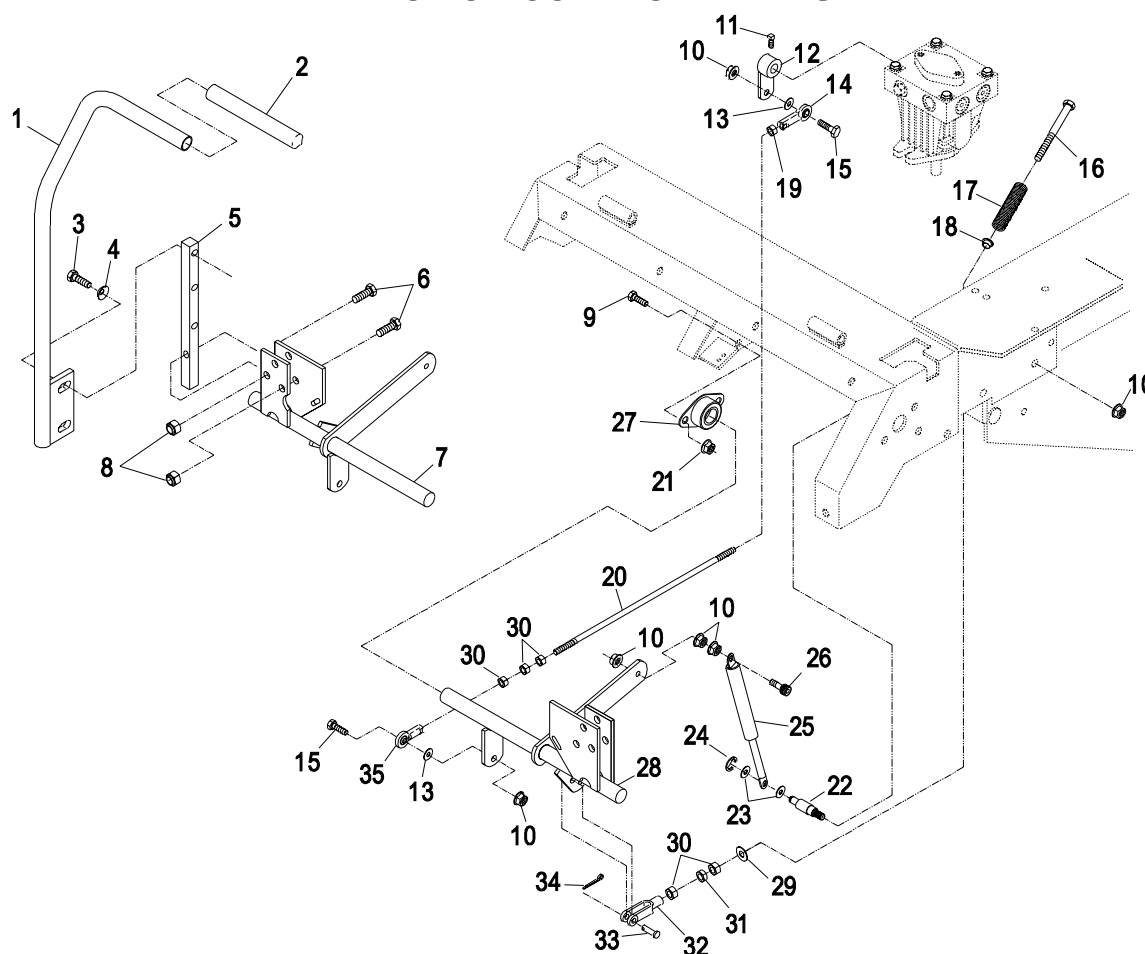


Ref. No.	Part No.	Description	Qty. Req'd.	Ref. No.	Part No.	Description	Qty. Req'd.
1	1-652073-03	Crank wldmt, brake	1	18	1-633144	Pin, trunion	2
2	3272-10	Pin, cotter 1/8 x 3/4.....	4	19	3256-4	Washer, 3/8 std.....	4
3	1-633131	Yoke	4	20	1-633454	Spring, brake rod.....	2
4	1-808285	Pin, clevis 3/8 x 1 1/8	4	21	323-4	Screw, 3/8-16 x 3/4	9
5	3219-3	Nut, 3/8-24.....	8	22	1-653074-03	Lever, brake	1
6	103-0356	Rod, brake.....	2	23	1-633268	Grip, brake lever.....	1
7	1-653068	Spacer (long) 44"/48" deck .	4	24	1-653069	Spacer(short) 44"/48" deck	4
8	* 1-653380	Spacer (long) 52" deck	4		* 1-653381	Spacer(short) 52" deck	4
9	3257-42	Woodruff key, 5/16 x 1	1	25	3253-7	Washer, lock 1/2.....	8
10	325-13	Screw, 1/2-13x3.25 G5(44"&48")	8	26	103-0131	Nut, sq. reg. 1/2-13UNC-2B.	8
11	1-800348	Screw, 1/2-13x4.25 G5 (52") .	8	27	1-633102	Bearing, flange	4
12	103-0355	Band, brake.....	2	28	3290-357	Nut, whizlock 3/8-16	8
13	103-0590	Hub & drum w/studs, plated	2	29	1-652085	Shaft wldmt, brake.....	1
14	1-633926	Stud, wheel.....	8	30	1-653061	Linkage, brake handle	1
15	1-809036	Nut, slotted 1.00-20	2	31	1481	Zerk, grease.....	2
16	1-806800	Pin, cotter 9/64 x 1 1/2	2	32	98-5975	Washer, disc spring 3/8...1	1
17	103-0374	Retainer, brake band.....	2	33	1-523157	Washer, spacer	2
	103-0384	Spacer	6	34	32151-48	Ring, retaining	1
	322-9	Screw, 5/16-18 x 1.75.....	6				
	103-0352-03	Bracket, brake 44"/48"	2				
	* 103-0353-03	Bracket, brake 52"	2				

*Not Illustrated

Exmark black touch up spray paint – gloss black

MOTION CONTROL LEVERS



Ref. No.	Part No.	Description	Qty. Req'd.	Ref. No.	Part No.	Description	Qty. Req'd.
1	103-0632	Handle w/grip (RH).....	1	17	1-603807	Spring, (neutral return)	2
	103-0410-03	Handle, motion cntrl (RH) ..	1	18	1-603735	Bushing, nylon(reverse ind.)	2
*	103-0631	Handle w/grip (LH)	1	19	1-804524	Nut, 5/16-24 (LH)	2
*	103-0409-03	Handle, motion cntrl (LH)...	1	20	1-653046	Link, pump control.....	2
2	1-633257	Grip, motion cntrl handle....	2	21	3290-357	Nut, whizlock 3/8-16.....	8
3	323-6	Screw, 3/8-16 x 1	4	22	1-653316	Pin, Damper Anchor.....	2
4	98-5975	Washer, disc spring 3/8	4	23	3256-23	Washer, 5/16 SAE	4
5	103-0407	Arm, control shaft.....	2	24	32120-35	E-ring.....	2
6	323-9	Screw, 3/8-16 x 1 3/4	6	25	1-523027	Damper	2
7	103-2200	Bracket, motion cntrl (RH) .	1	26	1-403180	Screw, 5/16-18x1 1/4 special	4
8	3296-39	Nut, nyloc 3/8-16	6	27	1-633102	Bearing, flanged.....	4
9	323-4	Screw, 3/8-16 x 3/4	8	28	103-2199	Bracket, motion control(LH).	1
10	32128-20	Nut, whizlock 5/16-18.....	12	29	3256-2	Washer, 1/4	2
11♦	1-803022	Setscrew, 5/16 x 5/8	2	30	3219-2	Nut, 5/16-24	10
12	1-653092	Arm, pump control.....	2	31	3220-2	Nut, jam 5/16-24	2
13	3256-3	Washer, 5/16 std.....	4	32	1-303105	Yoke	2
14	1-633152	Ball joint (LH).....	2	33	1-808280	Pin, clevis 5/16 x 1	2
15	322-6	Screw, 5/16-18 x 1 1/4.....	4	34	3272-5	Pin, cotter 3/32 x 1/2	2
16	1-603737	Bolt, (neutral return)	2	35	1-543017	Ball joint (RH)	2

Exmark black touch up spray paint – gloss black

* Not Illustrated

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

HYDRAULIC GROUP

Ref. No.	Part No.	Description	Qty. Req'd.	Ref. No.	Part No.	Description	Qty. Req'd.
1	103-1946	Asm, hydraulic reservoir	1	25	103-1802	Elbow, 90°	2
2	103-1948	Cap, hydraulic reservoir.....	1		1-603921	Boss O-ring	1
3	103-1949	Gasket, reservoir cap	1	26	103-1942	Pump, hydro	2
4	321-14	Screw, 1/4-20 x 2 3/4	2	27	103-1680	Hose, LH 44" & 48"	2
5	3256-22	Washer, flat SAE 1/4	2		103-1681	Hose, LH 52"	2
6	32128-33	Nut, whizlock 1/4-20	2	28	1-603991	Adapter, straight (LH wheel motor)	2
7	103-1801	Adapter, straight	1		1-603919	Boss O-ring	1
	1-603921	Boss O-ring	1		1-603992	Flare O-ring	1
8	103-1912	Adapter, straight	1	29	3290-357	Nut, whizlock 3/8-16	7
	1-603921	Boss O-ring	1	30	323-7	Screw, 3/8-16 x 1 1/4	4
9	103-1716	Clamp, hose (17/32)	3	31	103-1940	Adapter, straight long	4
10	103-1988	Clamp, hose (11/16)	2		1-603920	Boss O-ring	1
11	103-1805	Asm, supply hose	1		1-603992	Flare O-ring	1
12	*1-603720	Head, filter	1	32	◇1-803050	Setscrew, .312-18 x .75	4
13	32128-20	Nut, whizlock 5/16-18	2	33	1-653156	Sheave, pump drive 44" & 48"	2
14	322-5	Screw, 5/16-18 x 1	2		1-413010	Sheave, pump drive 52"	2
15	103-1804	Adapter, straight	1	34	103-1767	Spring, extension	1
16	1-513211	Element, oil filter	1	35	3296-39	Nut, nyloc 3/8-16	1
	▽1-523541	Element, oil filter (winter)	1	36	98-5975	Washer, disc spring	1
17	103-1803	Asm, charge hose	1	37	1-373034	Washer, 7 Ga. x 1 1/4 O.D.	1
18	103-1800	Asm, case drain hose	1	38	1-513034	Bearing	2
19	1-653187	Hose, RH rear 44" & 48"	1	39	1-654143	Arm, idler w/ bearings	1
	1-653437	Hose, RH rear 52"	1	40	1-652142-03	Idler arm weldment	1
20	1-653186	Hose, RH front 44" & 48"	1	41	302-40	Zerk, 90° 1/4-28	1
	1-653436	Hose, RH front 52"	1	42	323-9	Screw, 3/8-16 x 1 3/4	2
21	1-633605	Elbow, 90° (RH wheel motor) ..	2	43	323-13	Screw, 3/8-16 x 2 3/4	1
	1-603919	Boss O-ring	1	44	3256-4	Washer, 3/8 std flat	1
	1-603992	Flare O-ring	1	45	1-603044	Bushing, idler pivot	1
22	1-523328	Wheel motor	2	46	1-603496	Bushing, idler	1
	1-000139	Kit, bearing	1	47	1-603843	Pulley, idler	1
	1-000099	Kit, seal	1	48	3256-24	Washer, 3/8 SAE flat	1
23	103-1799	Elbow, 90°	2	49	1-653163	Belt, pump drive 44" & 48"	1
	1-603921	Boss O-ring	1		1-653416	Belt, pump drive 52"	1
24	1-807272	Key 5 x 5 x 25mm	2				

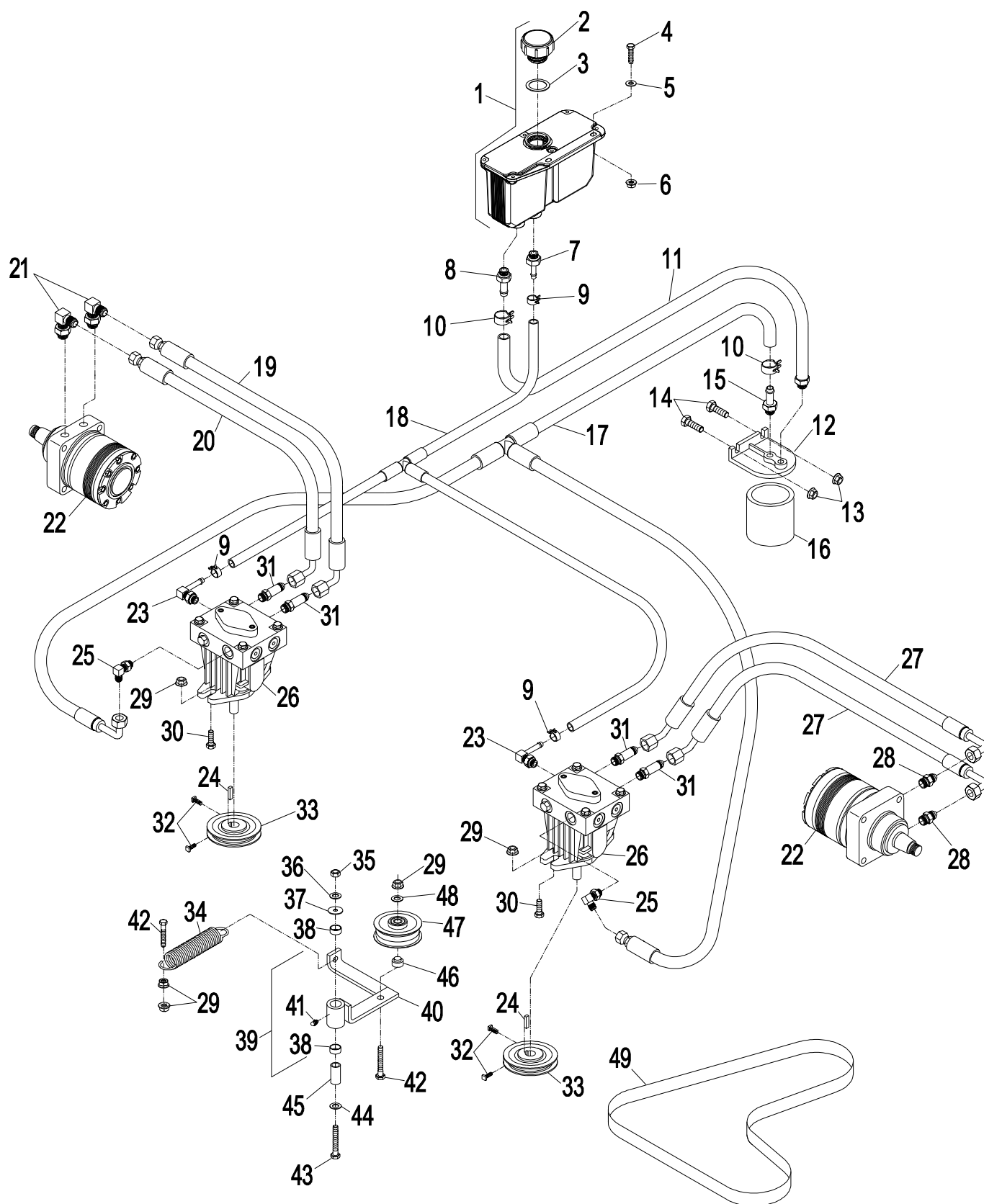
* Use Teflon Pipe Sealant or equivalent on filter head fittings.

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

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

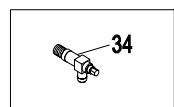
◇ Use Pro-Lock, Nut Type (P/N 1-840022, .5ml tube) on setscrews.

HYDRAULIC GROUP

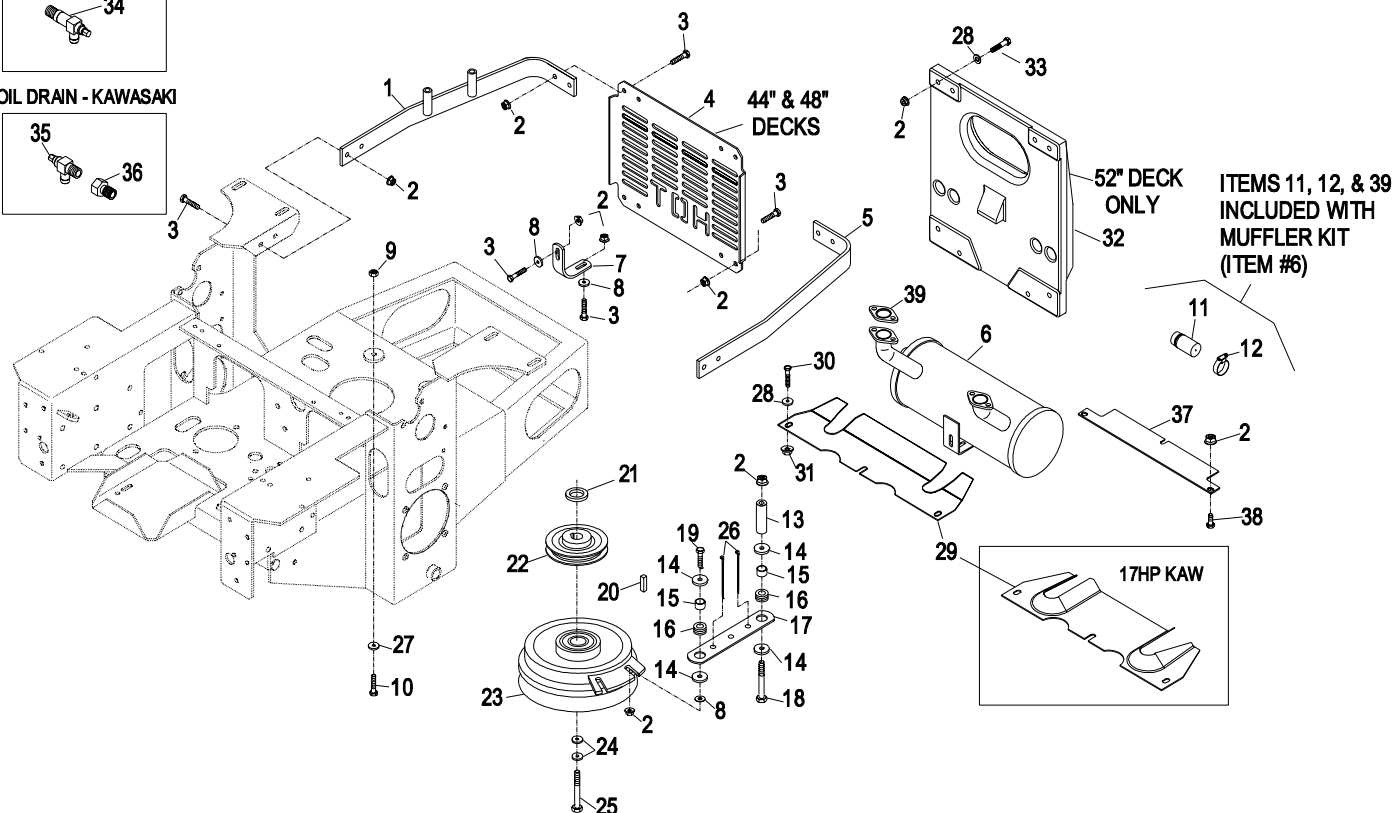
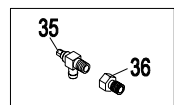


ENGINE GROUP

OIL DRAIN - KOHLER



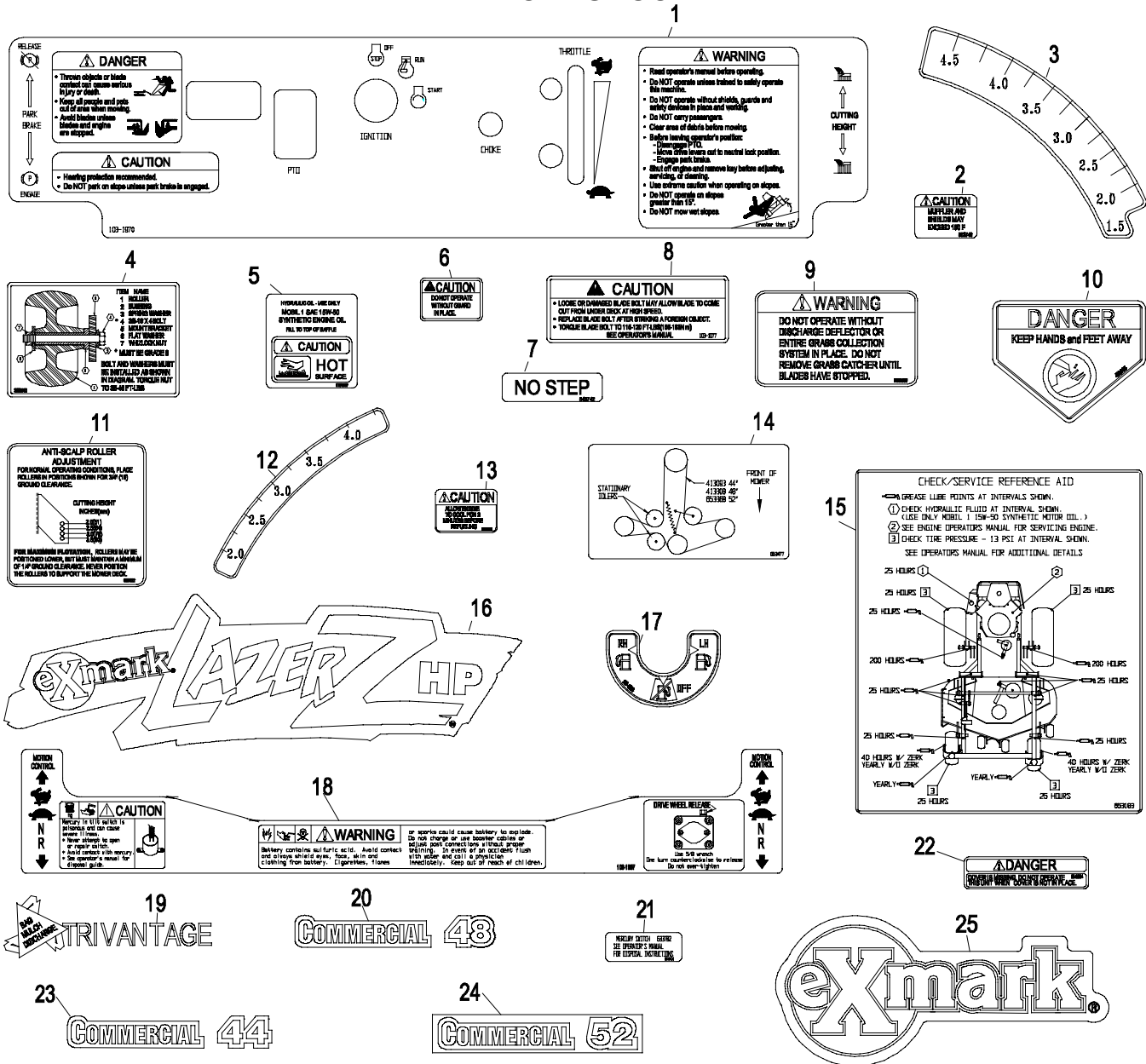
OIL DRAIN - KAWASAKI



Ref. No.	Part No.	Description	Qty. Req'd.	Ref. No.	Part No.	Description	Qty. Req'd.
1	1-652146-03	Strap wldmt, engine guard	1	22	1-653035	Sheave, pump drive	1
2	32128-20	Nut, whizlock 5/16-18	19	23	103-0690	Clutch	1
3	322-3	Screw, 5/16-18x3/4 (44\"&48\")	14	24	1-603610	Washer, disc spring 7/16	2
	322-3	Screw, 5/16-18x3/4 (52\")	6	25♦	3212-12	Screw, 7/16-20 x 3 (Kaw).....	1
4	1-653095-03	Shield, eng. guard (44\"& 48\")	1	♦	3212-10	Screw, 7/16-20 x 2 1/2(Koh)	1
5	1-653093-03	Strap, engine guard.....	1	26	1-303335	Plastic tie (large)	2
6	103-1554	Muffler, kit (17hp Kaw).....	1	27	1-303334	Washer, spring disc	4
	103-1555	Muffler, kit (18-23hp Koh).....	1	28	3256-23	Washer, 5/16 SAE flat(44\"&48\") .3	
	103-1556	Muffler, kit (19-23hp Kaw)	1		3256-23	Washer, 5/16 SAE flat (52\")	11
7	1-653196	Bracket, muffler support.....	1	29	1-653565-03	Shield, heat (17hp Kaw)	1
8	3256-3	Washer, 5/16 std flat	1		1-653539-03	Shield, heat(except 17hp Kaw)...	1
9	3296-29	Nut, nyloc 5/16-18 (Kaw)	4	30	3230-1	Bolt, carriage 5/16-18 x 3/4.....	3
	32128-20	Nut, whizlock 5/16-18 (Koh)	4	31	3296-29	Nut, nyloc 5/16-18.....	3
10	322-9	Screw, 5/16-18 x 1 3/4.....	4	32	1-653549	Counterweight, 60# (52\")	1
11	103-1513	Arrester, spark 1.25.....	1	33	322-7	Screw, Cap HH 5/16-18x1½(52\") ..	8
12	103-1514	Clamp, arrester.....	1	34	103-1963	Valve, oil drain (Koh).....	1
13	1-523406	Bushing, seat mount.....	1	35	103-1965	Valve, oil drain (Kaw)	1
14	1-613235	Washer	4	36	103-1966	Adapter, M20-2.5 / 3/8 NPT(Kaw)	1
15	1-633545	Spacer, grommet.....	2	37	103-1366-03	Deflector, lower frame.....	1
16	1-633630	Grommet	2	38	322-2	Screw, 5/16-18 x .625	3
17	1-633543-03	Strap, clutch/brake	1	39	1-653290	Gasket, (17 hp Kaw)	2
18	322-22	Screw, 5/16-18 x 3 1/2.....	1		1-653291	Gasket, (18-23 hp Koh).....	2
19	322-6	Screw, 5/16 NC x 1 1/4.....	1		1-653313	Gasket, (19-23 hp Kaw)	2
20	1-807259	Key.....	1				
21	103-2308	Spacer, crankshaft	1				

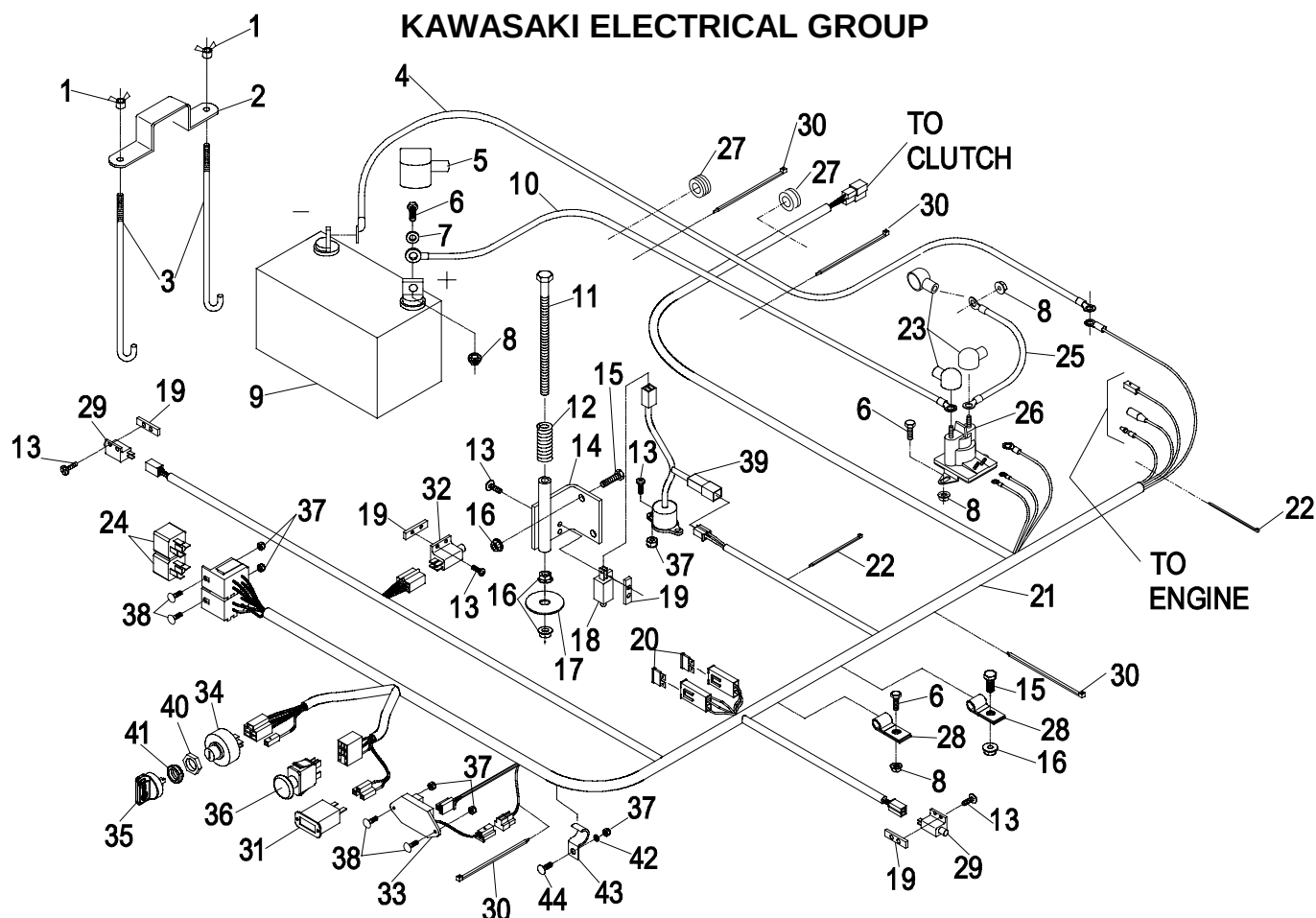
♦ Use Pro-Lock, Nut Type (P/N 1-840022, .5ml tube) on clutch bolt
Exmark black touch up spray paint – gloss black

DECAL GROUP



Ref. No.	Part No.	Description	Qty. Req'd.	Ref. No.	Part No.	Description	Qty. Req'd.
1	103-1970	Decal, Panel.....	1	14	1-653477	Decal, Belt Routing	1
2	1-513746	Decal, Muffler.....	2	15	1-653183	Decal, Check Service.....	1
3	1-653140	Decal, Deck Height	1	16	1-653139	Decal, Swash	1
4	1-323540	Decal, Roller Mounting	1	17	103-0262	Decal, Fuel Valve	1
5	1-523552	Decal, Hyd Tank/Hot Surface	1	18	103-1997	Decal, Top Console	1
6	1-513748	Decal, Guard	1	19	1-303520	Decal, Trivantage	1
7	1-513742	Decal, No Step	2	20	1-403131	Decal, Commercial 48	1
8	103-1077	Decal, Bolt Torque	2	21	1-643401	Decal, Mercury Switch	1
9	1-303508	Decal, Discharge Warning....	1	22	98-5954	Decal, Missing Cover	2
10	1-403005	Decal, Danger	2	23	1-523417	Decal, Commercial 44	1
11	1-633922	Decal, Anti-Scalp.....	1	24	1-403132	Decal, Commercial 52.....	1
12	1-653147	Decal, Deck Height	1	25	103-1983	Decal, Exmark Logo.....	1
13	1-303293	Decal, 2 Minute Cool.....	2		1-654520	Decal Kit.....	1

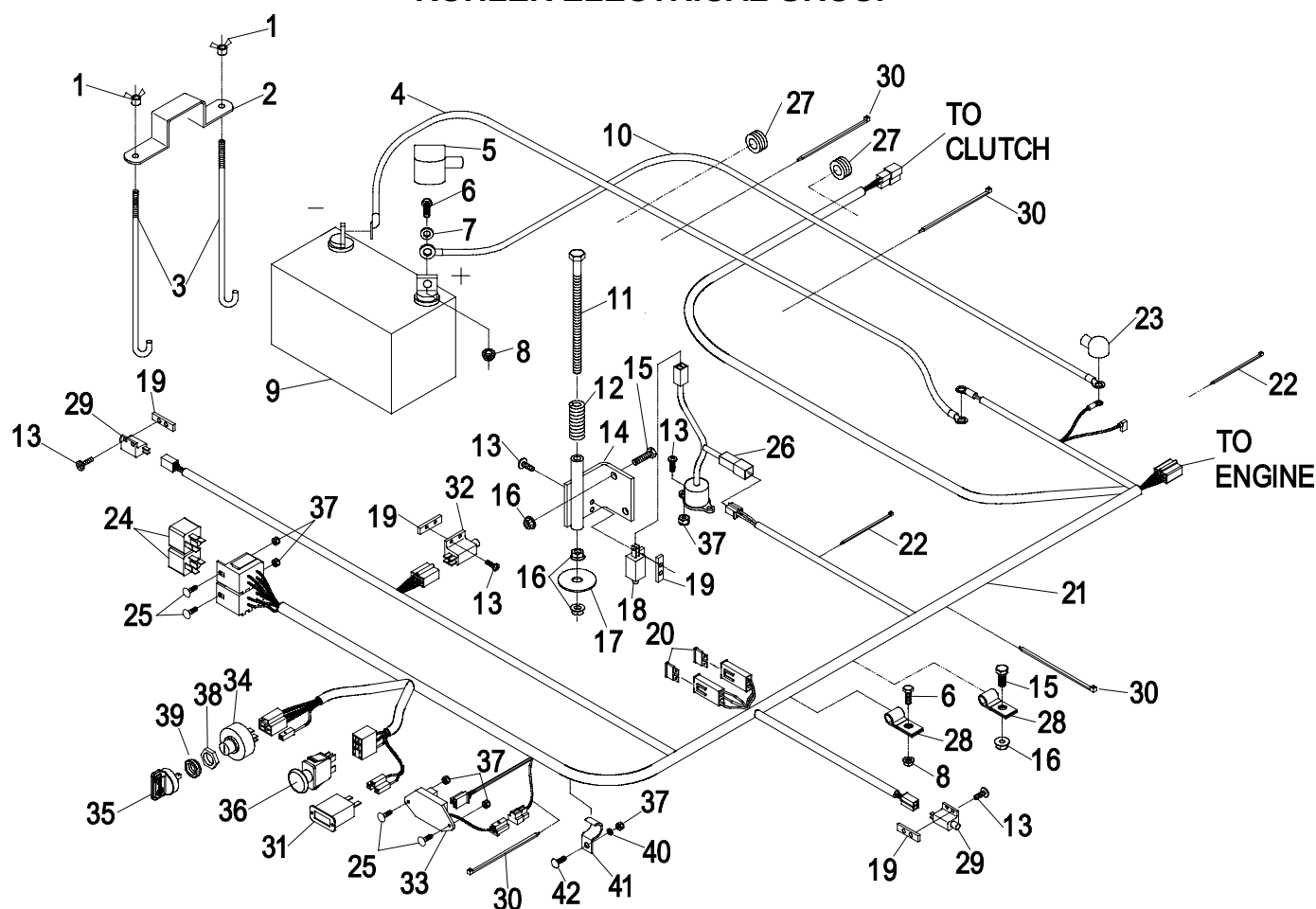
KAWASAKI ELECTRICAL GROUP



Ref. No.	Part No.	Description	Qty. Req'd.	Ref. No.	Part No.	Description	Qty. Req'd.
1	1-543792	Wingnut, nyloc 1/4-20.....	2	24	1-643275	Relay, 12 V	2
2	1-633652-03	Strap, battery holdown.....	1	25	1-633306	Cable, starter (+)	1
3	1-633651	Bolt, battery holdown	2	26	1-513075	Switch, 12V solenoid	1
4	103-0705	Cable, ground (-)	1	27	1-543286	Grommet	2
5	1-543391	Insulator, battery.....	1	28	1-633396	Clip, loom 5/8	2
6	321-4	Screw, 1/4-20 x 3/4	5	29	1-513051	Switch, drive lever N.C.	2
7	3256-2	Washer, 1/4 flat	2	30	1-303335	Plastic tie, large	4
8	32128-33	Nut, 1/4-20 whizlock	6	31	1-513374	Meter, engine hours	1
9	103-0293	Battery, 12V.....	1	32	1-633111	Switch, brake N.O./N.C.	1
10	103-0707	Cable, battery (+).....	1	33	100-6186	Module, seat delay	1
11	1-800282	Screw, 5/16-18 x 7	1	34	103-0206	Switch, ignition w/keys.....	1
12	1-523415	Spring, seat switch	1	35	103-2106	Key, Exmark logo	1
13	3290-500	Screw, #10-24 x 5/8	10		1-603511	Key, ignition	1
14	1-652072-03	Bracket wldmt, seat switch...	1	36	1-633673	Switch, blade	1
15	322-3	Screw, 5/16-18 x 3/4	3	37	3296-2	Nut, nyloc #10-20	7
16	32128-20	Nut, whizlock 5/16-18	5	38	1-807513	Carriage Bolt, #10-24 x 1/2	4
17	1-653036	Washer	1	39	1-633782	Switch, Tilt	1
18	1-513152	Switch, seat	1	40	103-0498	Nut, Ignition	1
19	1-633181	Plate	4	41	103-0499	Seal, Ignition.....	1
20	1-816001	Fuse-20 amp	2	42	3256-14	Washer, #10 flat.....	1
21♦	103-0623	Harness, wiring	1	43	103-1193	Clip, loom half.....	1
22	1-303287	Plastic tie, small	3	44	1-807533	Bolt, carriage 10-24x5/8	1
23	1-543393	Insulator, solenoid (+).....	3				

♦Use dielectric grease on all wiring harness connectors.

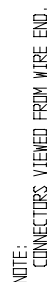
KOHLER ELECTRICAL GROUP



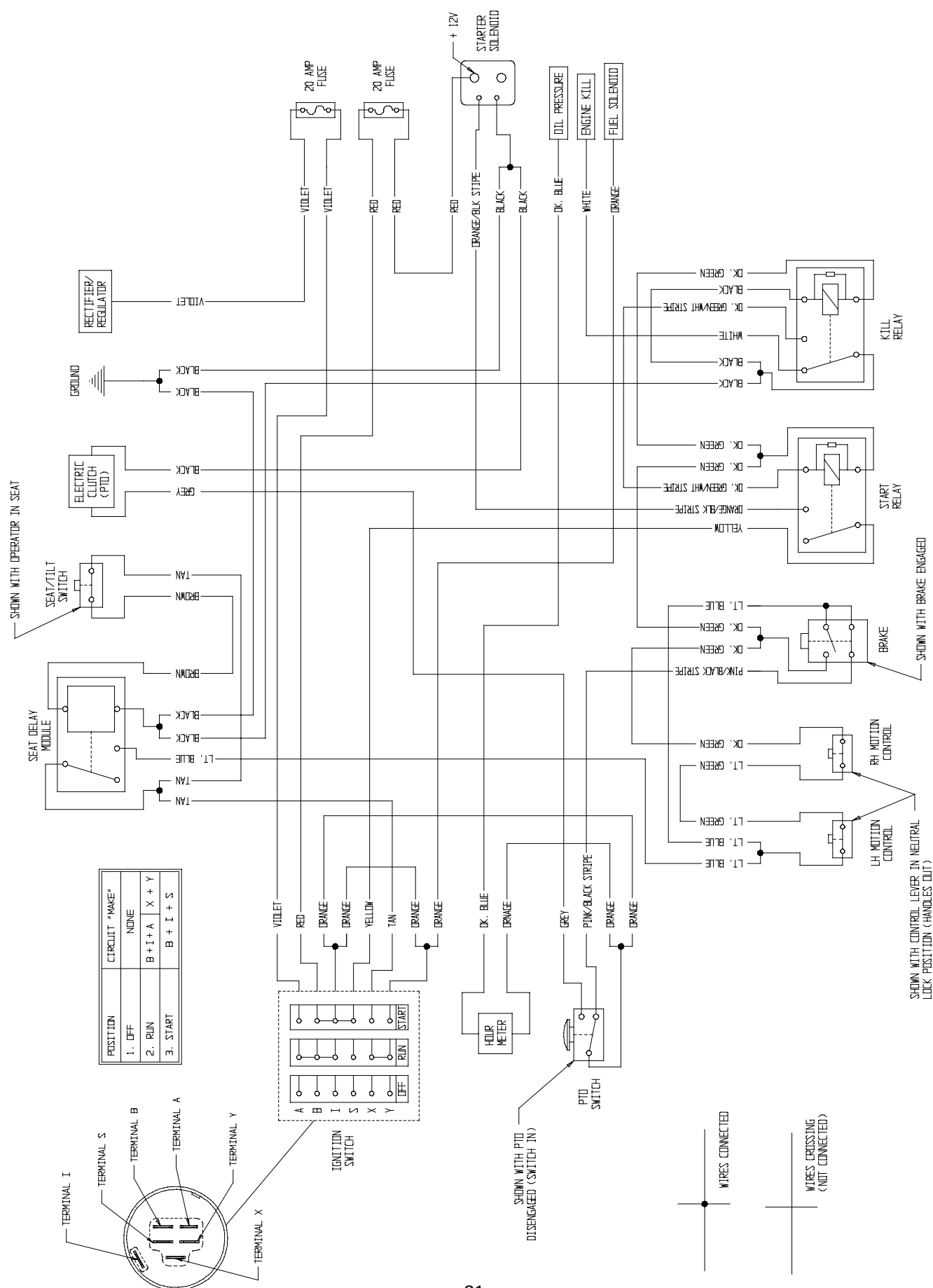
Ref. No.	Part No.	Description	Qty. Req'd.	Ref. No.	Part No.	Description	Qty. Req'd.
1	1-543792	Wingnut, nyloc 1/4-20.....	2	23	1-543393	Insulator, solenoid (+).....	1
2	1-633652-03	Strap, battery holdown.....	1	24	1-643275	Relay, 12 V.....	2
3	1-633651	Bolt, battery holdown.....	2	25	1-807513	Carriage Bolt, #10-24 x 1/2.....	4
4	103-0705	Cable, ground (-).....	1	26	1-633782	Switch, Tilt.....	1
5	1-543391	Insulator, battery.....	1	27	1-543286	Grommet.....	2
6	321-4	Screw, 1/4-20 x 3/4.....	3	28	1-633396	Clip, loom 5/8.....	2
7	3256-2	Washer, 1/4 flat.....	2	29	1-513051	Switch, drive lever N.C.....	2
8	32128-33	Nut, 1/4-20 whizlock.....	3	30	1-303335	Plastic tie, large.....	4
9	103-0293	Battery, 12V.....	1	31	1-513374	Meter, engine hours.....	1
10	1-523281	Cable, battery (+).....	1	32	1-633111	Switch, brake N.O./N.C.....	1
11	1-800282	Screw, 5/16-18 x 7.....	1	33	100-6186	Module, seat delay.....	1
12	1-523415	Spring, seat switch.....	1	34	103-0206	Switch, ignition w/keys.....	1
13	3290-500	Screw, #10-24 x 5/8.....	10	35	103-2106	Key, Exmark logo.....	1
14	1-652072-03	Bracket wldmt, seat switch...	1		1-603511	Key, ignition.....	1
15	322-3	Screw, 5/16-18 x 3/4.....	3	36	1-633673	Switch, blade.....	1
16	32128-20	Nut, whizlock 5/16-18.....	5	37	3296-2	Nut, nyloc #10-20.....	7
17	1-653036	Washer.....	1	38	103-0498	Nut, Ignition.....	1
18	1-513152	Switch, seat.....	1	39	103-0499	Seal, Ignition.....	1
19	1-633181	Plate.....	4	40	3256-14	Washer, #10 flat.....	1
20	1-816001	Fuse-20 amp.....	2	41	103-1193	Clip, loom half.....	1
21♦	103-0595	Harness, wiring.....	1	42	1-807533	Bolt, carriage 10-24x5/8.....	1
22	1-303287	Plastic tie, small.....	2				

♦ Use dielectric grease on all wiring harness connectors.

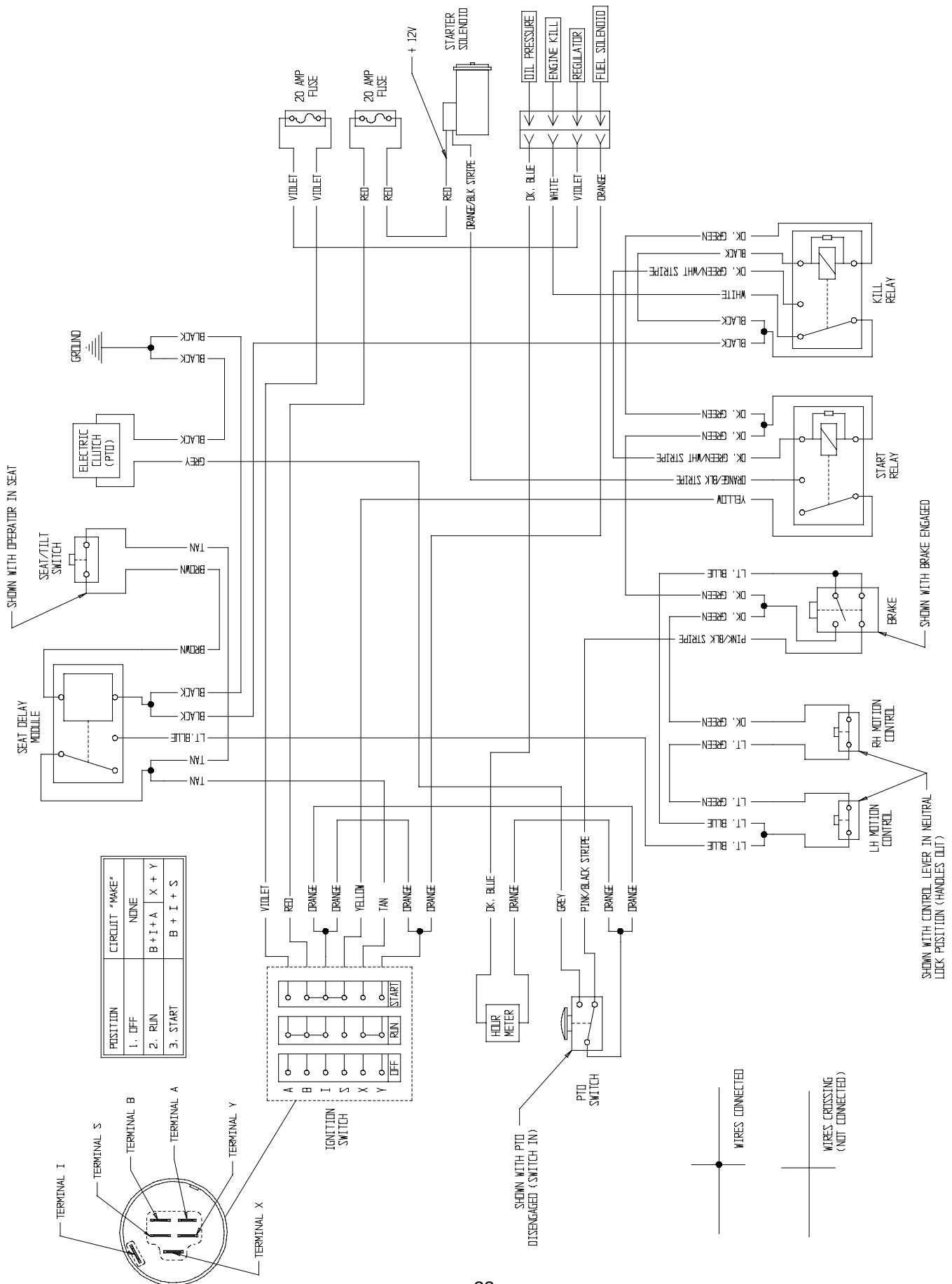




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