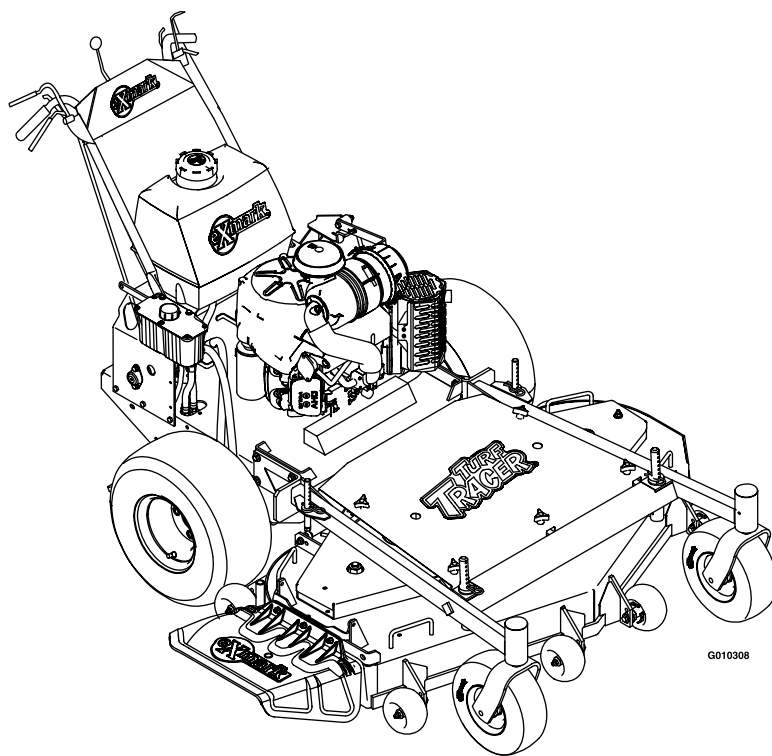




TURF TRACER®

TT23KAEP MODEL ONLY

For Serial Nos.
790,000 & Higher
Part No. 4500-458 Rev. B

Parts Manual

EXMARK PARTS PLUS

PARTS

OVERNIGHT

OR FREE*

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.)



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

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PISTOL GRIP HANDLES AND CONTROLS

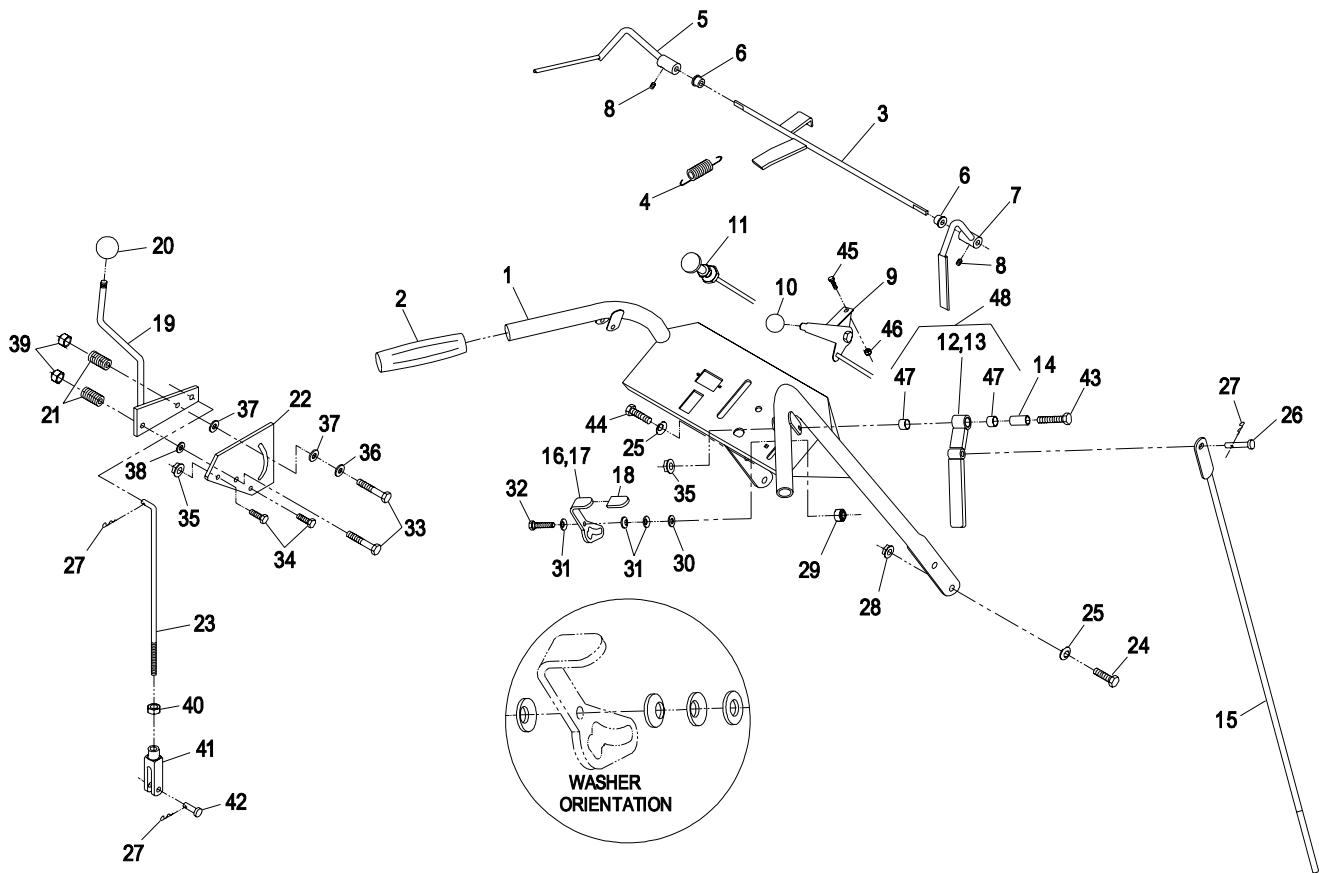
Item	Part No.	Description	Qty.
1	103-0215	Handle Wldmnt, w/Decals	1
2	1-303097	Grip, Handle.....	2
3	1-612187-01	Rod Wldmnt, OPC.....	1
4	1-303363	Spring	1
5+	1-412183-03	Lever Wldmnt, OPC LH.....	1
6	1-303365	Bushing, Nylon.....	2
7+	1-412185-03	Lever Wldmnt, OPC RH.....	1
8+	1-803322	Setscrew	2
9	1-633696	Throttle Control	1
10	1-513592	Knob, Red Ball	1
11	110-5720	Choke Control, Push/Pull	1
12	103-0219	Drive Lever RH (shown).....	1
13	103-0218	Drive Lever LH (not shown).....	1
14	1-603749	Bushing, Drive Lever.....	2
15	1-613189	Rod, Drive Lever	2
16	1-612168	Latch, Thumb RH w/Grip (shown)	1
17	1-612167	Latch, Thumb LH w/Grip	1
18	1-303019	Grip, Vinyl Latch.....	2
19	106-2748	Lever, Shifter	1
20◆	1-603175	Knob, 1-3/8	1
21	1-323245	Spring, Compression.....	2
22	1-603730	Plate, Shifter Lever.....	1
23	1-603700	Rod, Speed Control.....	1
24	323-6	Screw, 3/8-1 x 1	3
25	98-5975	Washer, Spring Disk	4

Item	Part No.	Description	Qty.
26	1-613055	Pin, Clevis.....	2
27	1-806003	Hairpin, Cotter	4
28	3290-357	Nut, Whizlock 3/8-16.....	4
29	3296-42	Nut, Nylock 1/4-20	2
30	3256-2	Washer, 1/4 Std Flat	2
31	1-303435	Washer, 1/4 Spring Disk	6
32	321-10	Screw, 1/4-20 x 1-3/4.....	2
33	322-10	Screw, 5/16-18 x 2.....	2
34	321-3	Screw, 1/4-20 x 5/8.....	2
35	32128-33	Nut, Whizlock 1/4-20.....	4
36	1-603716	Washer, Friction.....	1
37	1-323244	Washer, Friction.....	2
38	3256-23	Washer, 5/16 Flat	1
39	3296-29	Nut, Nylock 5/16-18	2
40	3220-2	Nut, Jam 5/16	1
41	1-303105	Yoke, Adjustable.....	1
42	1-808280	Clevis Pin 5/16 x 1	1
43	321-9	Screw, 1/4-20 x 1-1/2.....	2
44	323-7	Screw, 3/8-16 x 1-1/4.....	1
45	1-807513	Screw, 10-24 x 1/2.....	2
46	3296-2	Nut, Nylock 10-24	2
47	1-413152	Bearing, Sleeve	4
48	103-0219	Asm, Drive Lever RH	1
	103-0218	Asm, Drive Lever LH.....	1

Exmark black touch up spray paint – Gloss black.

- ◆ Use Pro-Lock nut type, (P/N. 1-840022, .5cc tube) on setscrew threads and shifter knob threads.
- ✚ Use Pro-Lock retaining type, (P/N. 1-840023, .5cc tube) on inside of bore of OPC hub.

PISTOL GRIP HANDLES AND CONTROLS



ENGINE DECK GROUP

Item	Part No.	Description	Qty.
1	109-6408	Eng Deck 116-0563-01 W/ Decals	1
2	109-4490	Asm, Hose Oil Drain W/Plug	1
3	109-1012	Plug	1
4	1-303335	Tie, Plastic	1
5	1-602997	Hub, 4 Bolt	2
	1-633926	Stud	8
6	103-1715	Tire And Wheel Assy.....	2
	103-2237	Tire Only 18 x 8.50.....	2
	103-2238	Wheel Only	2
7	242-50	Nut, Wheel	8
8	1-633068	Plate	1
9	1-806800	Pin, Cotter 9/64 x 1 1/2	2
10	103-3504	Bearing, Spherical.....	2
11	1-613089	Anchor, Spring	2
12	1-413510	Clip, Loom 2.06 Dia.....	3
13	1-807259	Key, 1/4 x 1/4 x 1	1
14	1-603306	Belt, Deck Drive(60").....	1
15	103-0662	Clutch W/Plastic Tie	1
16	1-633543-03	Strap, Clutch	1
17	1-323195-03	Standoff, Clutch	1
18	1-303287	Plastic Tie, Small	1
19	32120-10	Ring, Retaining	2
20●	1-653035	Sheave, 4 1/4 O.D	1
21	1-413010	Sheave, Pump	2
22	1-807272	Key, 5mm Sq x 25mm.....	2
23▲	1-803050	Setscrew, 5/16-18 x 3/4.....	4
24	109-4077	Pulley, Idler	1
25	1-603496	Bushing, Idler.....	3
26	109-2578	Kit, Idler Arm W/Bearings	1
27	302-40	Zerk, 90° 1/4-28	1
28	1-603414	Spring, Extension.....	1
29	103-3506	Seal, Single Lip.....	1
30	302-19	Zerk, Grease 1/4-20	2
31	1-633102	Bearing, Flanged.....	2
32	1-613206	Rod, Control Arm	2
33	1-323245	Spring	1
34	1-603676	Swivel	2
35	1-413151	Knob, Tracking.....	1
36	103-5353-01	Support, Tank/Handle	1
37	103-1561-01	Arm, Control LH	1
38	103-1562-01	Arm, Control RH(Not Shown).....	1
39	109-2584	Belt, Hyd Trans Drive ("A" Belt).....	1
40	1-603693	Spring, Extension.....	2
41	103-2234-01	Crank Weldment	1
42	1-603737	Bolt, Neutral Return.....	2
43	1-603807	Spring, Neutral Return	2
44	1-603735	Bushing, Flanged	2

Item	Part No.	Description	Qty.
45	1-303105	Yoke, Adjustable.....	2
46	322-3	Screw, 5/16-18 x 3/4	14
47	103-3505	Seal, Double, Lip	1
48	3290-357	Nut, 3/8-16 Whizlock	3
49	32128-20	Nut, 5/16-18 Whizlock.....	28
50	322-38	Screw, 5/16-18 x 4 1/2	1
51	322-6	Screw, 5/16-18 x 1 1/4	3
52▲	3212-12	Screw, 7/16-20 x 3	1
53	1-603610	Washer, Spring Disc	2
54	1-633545	Spacer, Clutch Anchor.....	2
55	1-613235	Washer	4
56	3296-29	Nut, Nyloc 5/16-18	6
57	322-7	Screw, 5/16-18 x 1 1/2	4
58	1-303334	Washer, 5/16 Disc Spring	4
59	1-800016	Bolt, Tap 5/16-18 x 1 1/4.....	2
60▲	1-800805	Screw, 3/8-16 x 3 1/2 Gr8	1
61	3253-5	Washer, Lock 3/8 Heavy.....	1
62	3256-4	Washer	3
63	323-9	Screw, HH 3/8-16 x 1 3/4	1
64	1-806003	Hairpin, Cotter	2
65	1-808280	Clevis Pin.....	2
66	3256-23	Washer, 5/16	11
67	1-403180	Screw, 5/16-18 x 1-3/8 Special	2
68	1-603903	Spacer	1
69	3219-2	Nut 5/16-24 Regular.....	7
70	3220-2	Nut, 5/16-24 Jam	2
71	3256-2	Washer, 1/4	2
72	323-8	Screw, 3/8-16 x 1 1/2	2
73	106-7159	O-ring	2
74	1-805005	Washer, Lock 5/16 Heavy	4
75▲	1-809056	Screw, 3/8 x 3/8 Sckt Hd Shld.....	2
76	3256-24	Washer, 3/8 SAE Flat	3
77	323-6	Screw, HH 3/8-16 x 1	8
78	1-633630	Grommet	2
79	103-5677	Spacer	1
80▲	1-803022	Setscrew, 5/16-18 x 5/8	2
81	3272-5	Cotter Pin.....	2
82	1-303335	Plastic Tie (Large).....	1
83	103-2224	Shield, Drag.....	1
84	3256-3	Washer, Flat 5/16 Std	3
85	3218-2	Nut, Jam 5/16-18	2
86	103-1235	Swivel, Drive Lever	2
87	32151-73	Ring, Clip.....	2
88	1-807019	Key, Woodruff 1 x 1/4	2
89	32136-5	Nut, Slotted 3/4-16.....	2
90	109-2575	Kit, Idler Arm Complete.....	1
91	98-5975	Washer, Spring Disc	8

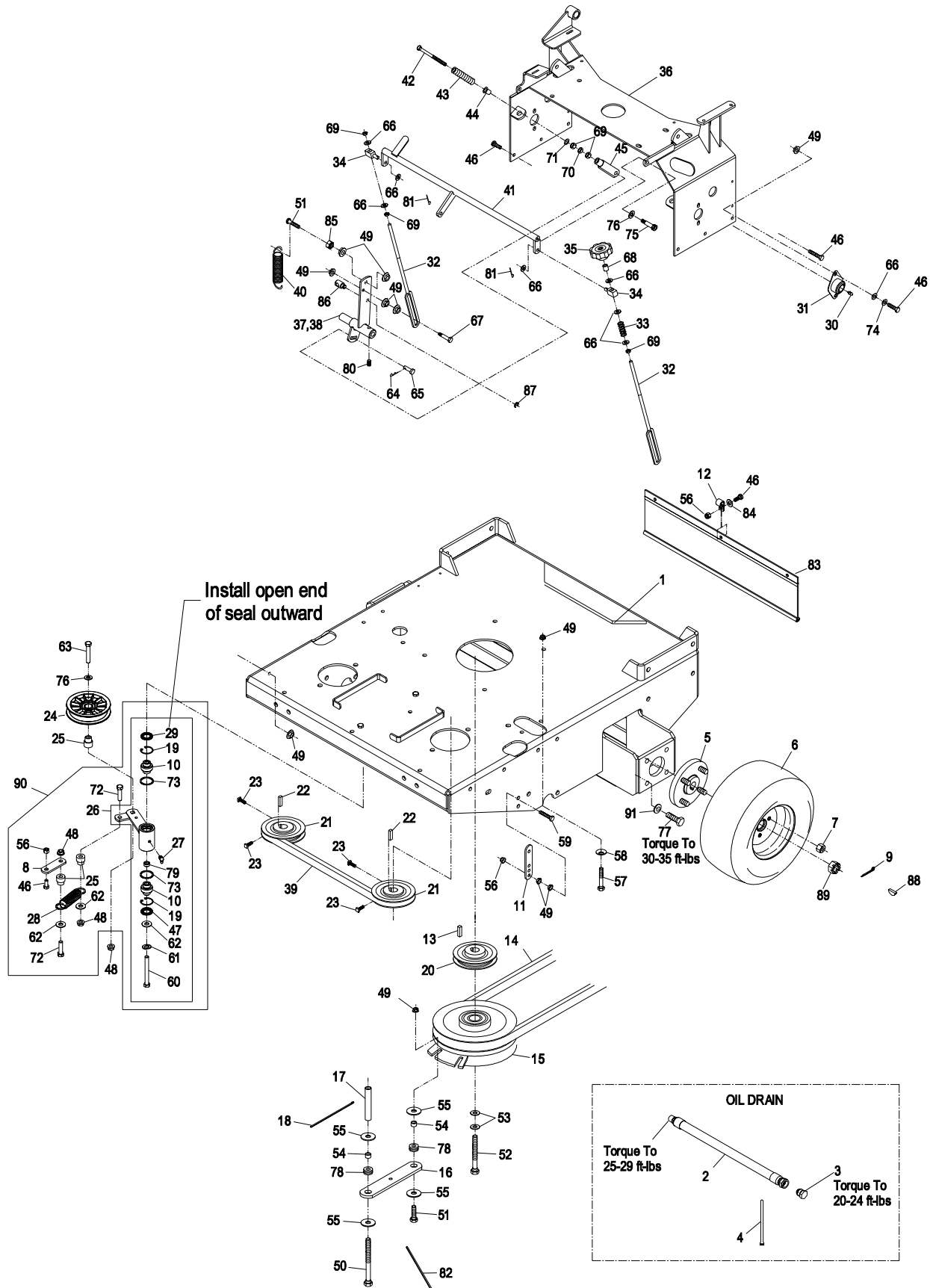
Exmark black touch up spray paint – Gloss black.

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

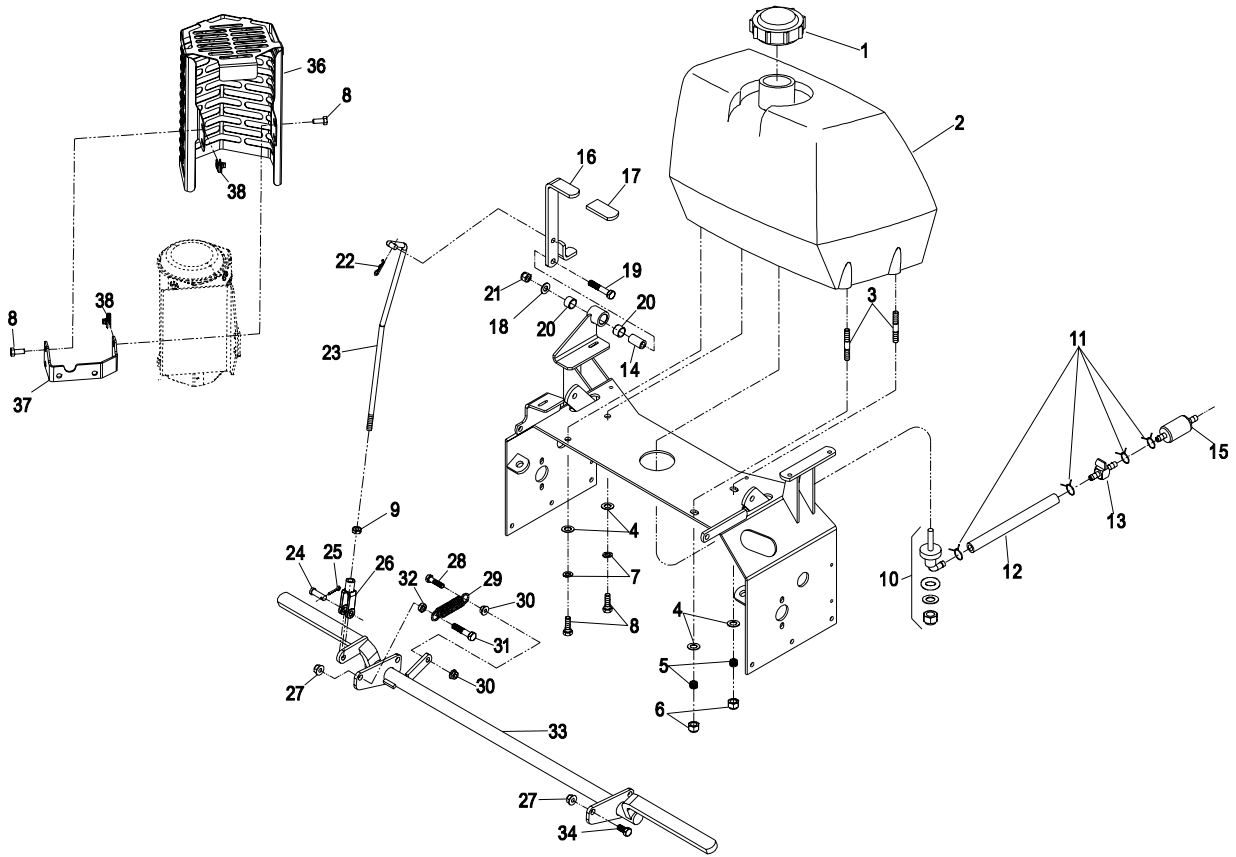
● Install sheave with long end of hub up.

▲ Use Pro-Lock, nut type (P/N 1-840022, .5cc tube) on setscrew threads, shoulder bolt threads, clutch retaining bolt, and pump drive idler bolt.

ENGINE DECK GROUP



ENGINE DECK GROUP (cont.)



Item	Part No.	Description	Qty.
1	109-0346	Cap, Gas.....	1
2	103-2893	Tank, Fuel W/Fitting	1
3♦	1-633023	Stud, Fuel Tank.....	2
4	3256-23	Washer, Flat 5/16 Std	4
5	1-633349	Spring, Fuel Tank.....	2
6	3296-47	Nut, Nyloc 5/16-18	2
7	1-805005	Washer, 5/16 Lock	2
8	322-3	Screw, 5/16-18 x 3/4	6
9	3220-3	Nut, 3/8-24 Jam	1
10+	103-2605	Fitting, Fuel Bulkhd W/ Screen	1
11	1-303077	Clamp, Fuel Line.....	4
12	109-0303	Hose, Fuel 7.0.....	1
13	1-603770	Valve, Fuel.....	1
14	109-0293	Hose, Fuel 8.5.....	1
15	Kawasaki	Part No. 49019-7001 Fuel Filter	1
16	109-4544	Lever, Park Brake (109-4543-03) W/Decal & Grip	1
17	1-303020	Grip, Lever	1
18	3256-24	Washer, 3/8 SAE Flat.....	1
19	323-10	Screw, 3/8-16 x 2	1

Item	Part No.	Description	Qty.
20	1-413347	Sleeve, Bushing.....	2
21	3296-39	Nut, 3/8-16 Nyloc.....	1
22	1-806003	Hairpin, Cotter	1
23	109-4078	Linkage, Park Brake.....	1
24	1-808285	Pin, Clevis 3/8 x 1 1/8	1
25	3272-10	Pin, Cotter 1/8 x 3/4	1
26	1-633131	Yoke, Brake Linkage.....	1
27	3290-357	Nut, 3/8-16 Whizlock.....	4
28	322-6	Screw, 5/16-18 x 1 1/4	1
29	1-323161	Spring	1
30	32128-20	Nut, 5/16-18 Whizlock.....	2
31	323-9	Screw, 3/8-16 x 1 3/4	1
32	3218-3	Nut, Jam 3/8-16	1
33	103-2205-03	Brake Weldmt	1
34	323-4	Screw, 3/8-16 x 3/4	3
35	1-413344	Bushing, Pivot.....	1
36	115-4155-03	Guard, Muffler.....	1
37	115-4156-03	Bracket, Muffler.....	1
38	94-2413	U-Nut	4

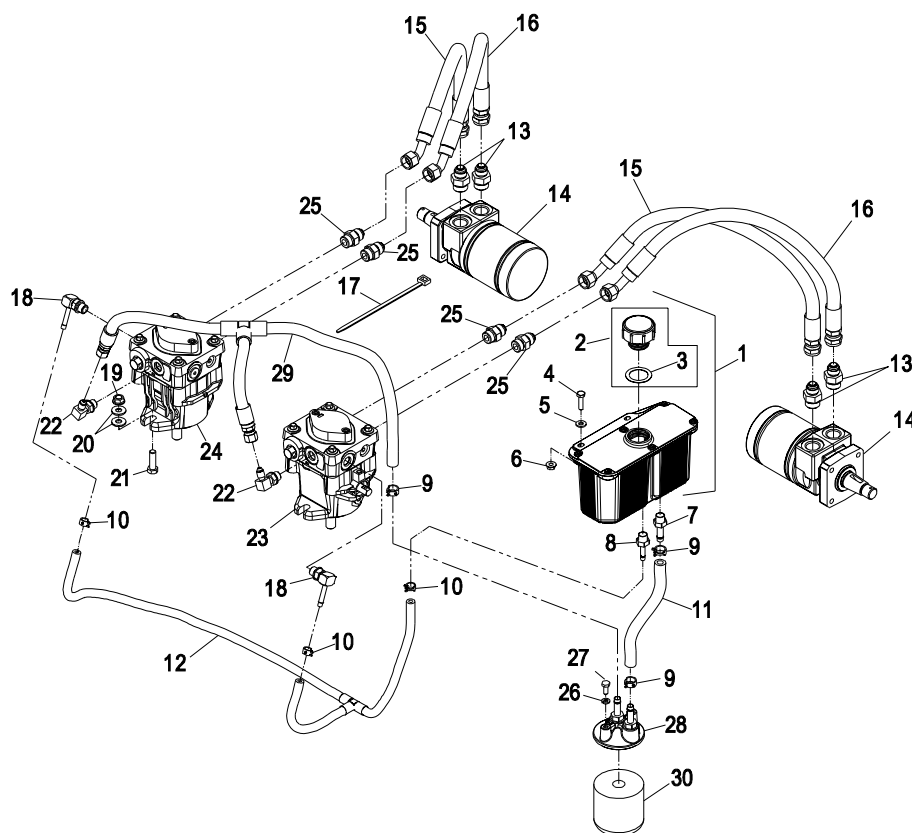
Exmark black touch up spray paint – Gloss black.

- + Use Pro-lock, nut type (P/N 1-840022, .5ml tube) on fuel fitting threads.
- ◆ Use Pro-lock, retaining type (P/N 1-840023, .5cc tube) on stud threads going into the tank.

Kawasaki Replacement Parts List

<u>Description</u>	<u>Kawasaki P/N</u>
Air Filter Element Kit..... (Inner & Outer)	11010-7004

HYDRAULICS GROUP



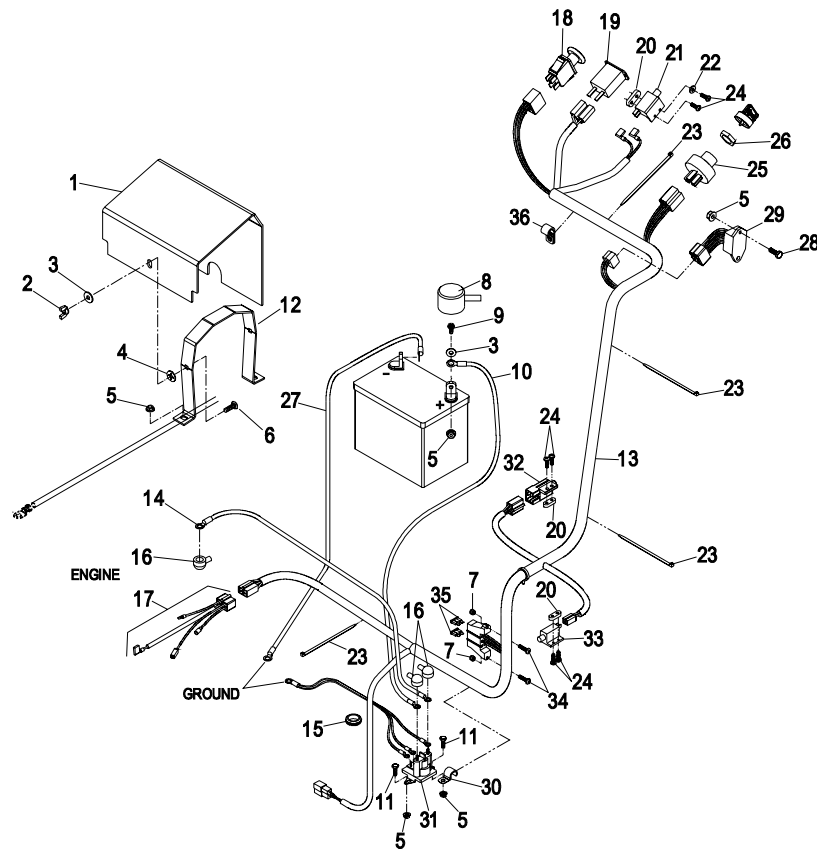
Item	Part No.	Description	Qty.
1	103-1947	Asm, Hydraulic Reservoir.....	1
2	103-7615	Asm, Cap W/Gasket.....	1
3	103-1949	Gasket, Reservoir Cap.....	1
4	321-6	Screw, 1/4-20 x 1.....	2
5	3256-22	Washer, 1/4 SAE Flat.....	2
6	32128-33	Nut, Whizlock 1/4-20.....	2
7	103-1912	Adapter, Straight.....	1
	1-603921	O-Ring.....	1
8	103-1801	Adapter, Straight.....	1
	1-603921	O-Ring.....	1
9	103-1988	Clamp, Hose (11/16).....	3
10	103-1716	Clamp, Hose (17/32).....	3
11	109-1010	Hose, Charge.....	1
12	103-4607	Asm, Case Drain Hose.....	1
13	1-603991	Fitting, Straight Connector.....	4
	1-603919	Boss O-Ring.....	1
	1-603992	Flare O-Ring.....	1
14	1-603718	Motor, Wheel.....	2
	1-000119	Kit, Seal.....	1
	1-000138	Kit, Bearing.....	1
15	103-4609	Hose, Hydro.....	2
16	103-4610	Hose, Hydro.....	2
17	1-303335	Tie, Cable (Large).....	1
18	103-1799	Elbow, 90°.....	2
	1-603921	O-Ring.....	1
19	3290-357	Nut, Whizlock 3/8-16.....	4

Item	Part No.	Description	Qty.
20	3256-3	Washer, 5/16 Std.....	8
21	323-7	Screw, 3/8-16 x 1-1/4.....	4
22	103-1802	Elbow, 90°.....	2
	1-603921	O-Ring.....	1
23	109-4987	Pump, Hydro RH.....	1
	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
24	109-4988	Pump, Hydro LH.....	1
	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
25	1-603990	Adapter, Straight Thread.....	4
	1-603920	Boss O-Ring.....	1
	1-603992	Flare O-Ring.....	1
26	1-805004	Washer, 1/4 Lock.....	2
27	321-3	Screw, 1/4-20 x 5/8.....	2
28	103-2889	Asm, Filter Head.....	1
	103-1912	Adapter, Straight.....	2
	1-603921	O-Ring.....	1
29	103-4608	Asm, Charge Hose.....	1
30	109-4180	Element, Oil Filter.....	1
▲	1-523541	Element, Oil Filter(Winter).....	1

Exmark black touch up spray paint – Gloss black.

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

ELECTRICAL GROUP



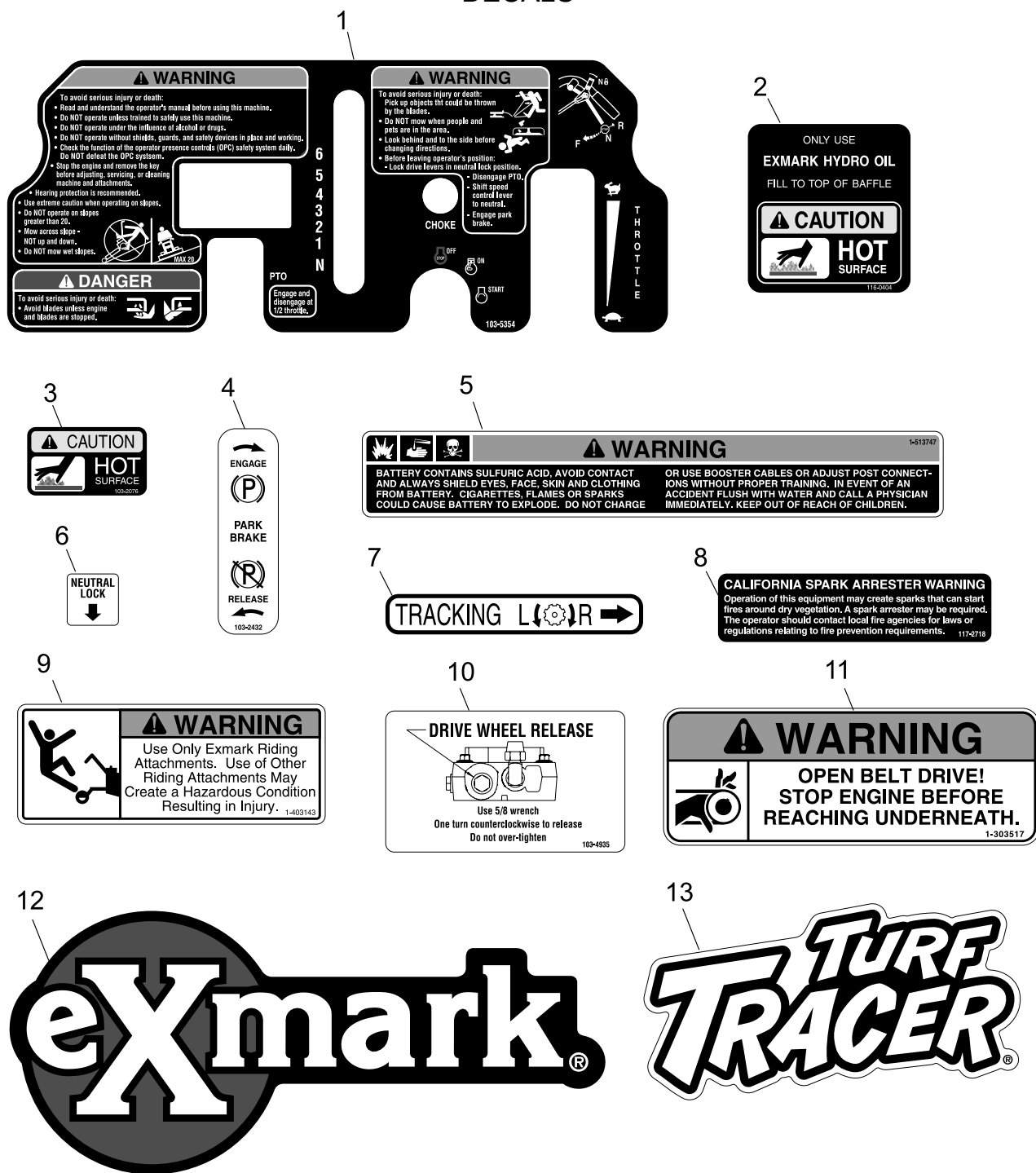
Item	Part No.	Description	Qty.
1	103-3424	Cover, Battery (1-603105) W/Decal	1
2	1-803038	Wingnut, 1/4-20	2
3	3256-2	Washer, 1/4 Flat	4
4	1-803037	Nut, Retaining 1/4-20	2
5	32128-33	Nut, Whizlock 1/4-20	7
6	1-807512	Bolt, Carriage 1/4-20 x 3/4	2
7	3296-2	Nut, Nyloc #10-24	2
8	109-2407	Insulator, Battery +	1
9	321-4	Screw, 1/4-20 x 3/4	2
10●	109-7653	Cable, Battery To Solenoid (+)	1
11	321-2	Screw, 1/4-20 x 1/2	2
12	1-603814-03	Strap, Battery Holddown	1
13	103-5380	Harness, Wiring	1
14	109-7654	Cable, Solenoid To Starter (+)	1
15	1-543286	Grommet	1
16	1-543393	Insulator, Solenoid	3
17	1-613262	Harness, Wiring	1
18	103-5221	Switch, PTO	1
19	1-513374	Meter, Engine Hour	1

Item	Part No.	Description	Qty.
20	1-633181	Plate, Tapped	3
21	1-513051	Switch, N.O.	1
22	3256-14	Washer, Flat #10	1
23	1-303335	Plastic Tie	4
24	3290-500	Screw, #10-24 x 5/8	6
25	1-543070	Switch, Ignition W/Keys	1
	1-603511	Key, Ignition	1
	103-2106	Key, Exmark Logo	1
26	103-0498	Nut, Ignition	1
27	1-543767	Cable, Ground	1
28	321-3	Screw, 1/4-20 x 5/8	1
29	1-613198	Module, Safety Interlock	1
30	103-1193	Clip, Loom Half	1
31	1-513075	Switch, 12V Solenoid	1
32	1-633111	Switch, N.O./N.C.	1
33	1-513152	Switch, N.C.	1
34	1-803075	Screw, #10-24 x 3/4	2
35	1-816001	Fuse, Blade 20 Amp	2
36	1-513762	Loom, Clip	1

Exmark black touch up spray paint – Gloss black.
 Apply dielectric grease to all electrical connectors.

- Includes items 8 & 16.

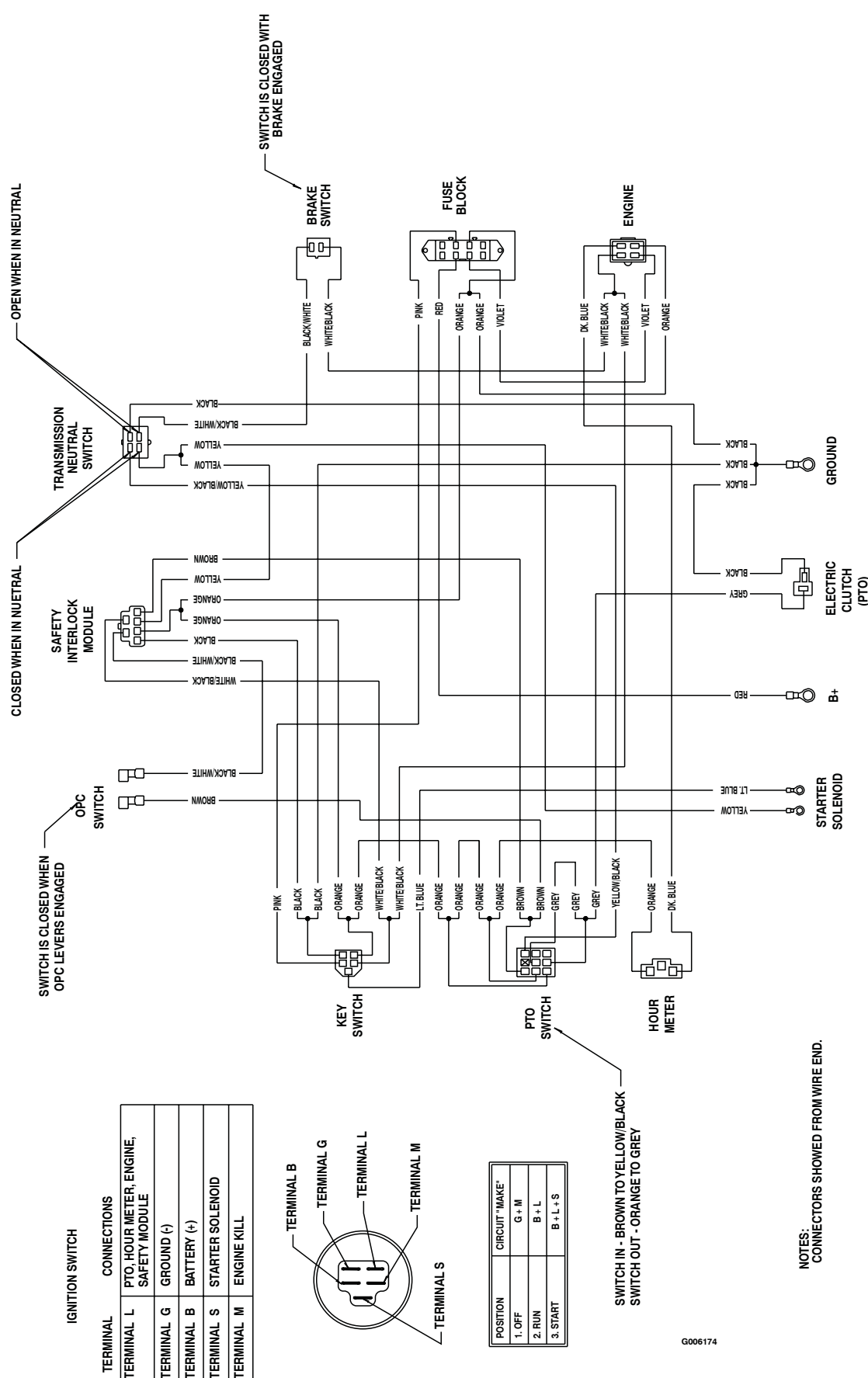
DECALS



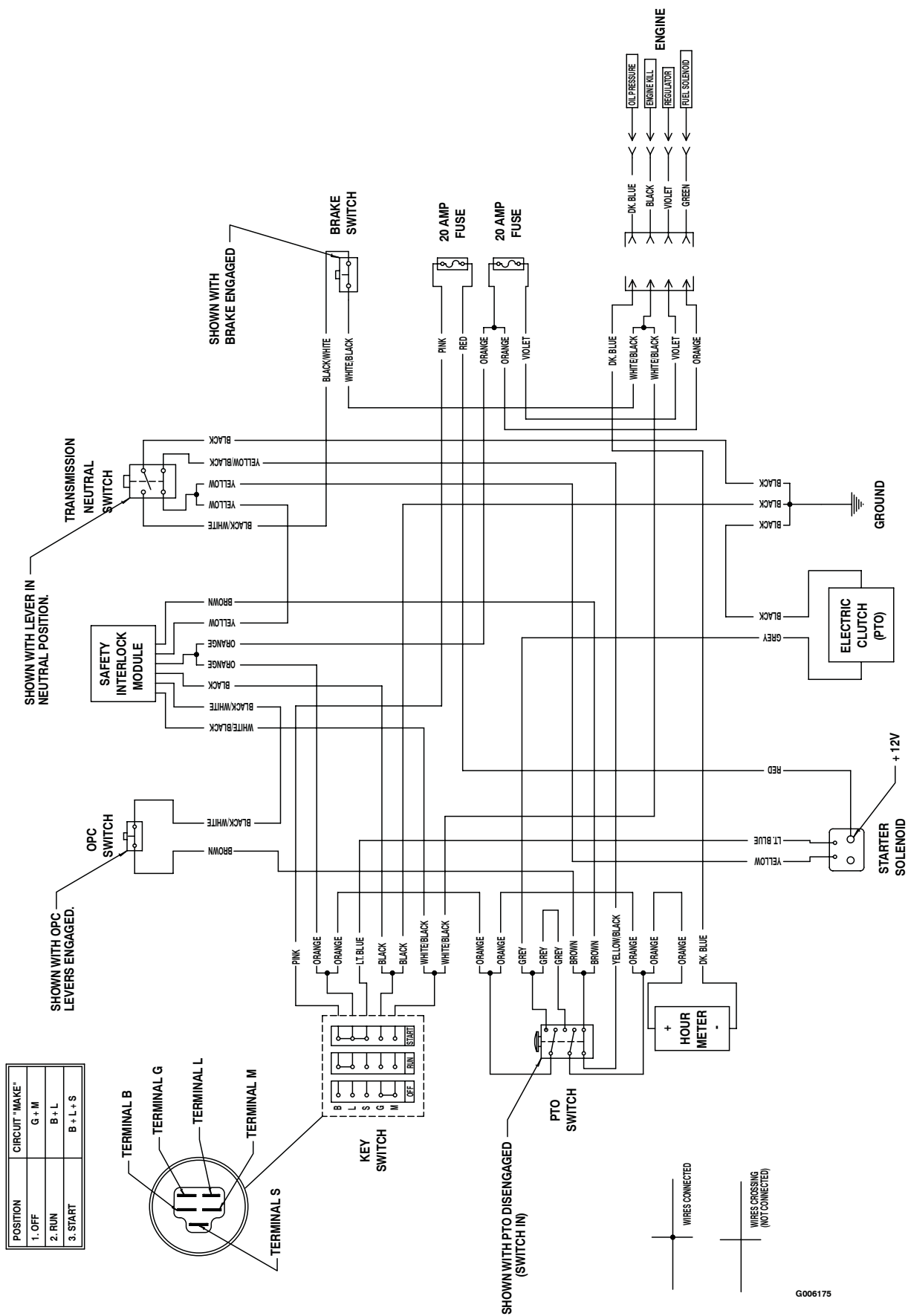
Item	Part No.	Description	Qty.
1	103-5354	Decal, Console	1
2	116-0404	Decal, Hydraulic Tank	1
3	103-2076	Decal, Caution Hot Surface.....	1
4	103-2432	Decal, Park Brake	1
5	1-513747	Decal, Battery	1
6	1-303102	Decal, Neutral Lock.....	2
7	1-413214	Decal, Tracking.....	1

Item	Part No.	Description	Qty.
8	117-2718	Decal, Spark Arrester.....	1
9	1-403143	Decal, Sully Warning.....	1
10	103-4935	Decal, Drive Wheel Release	1
11	1-303517	Decal, Belt Drive	1
12	103-2882	Decal, Exmark Logo.....	1
13	103-3013	Decal Turf Tracer.....	1
	103-5828	Kit, Decal Complete	

ELECTRICAL DIAGRAM



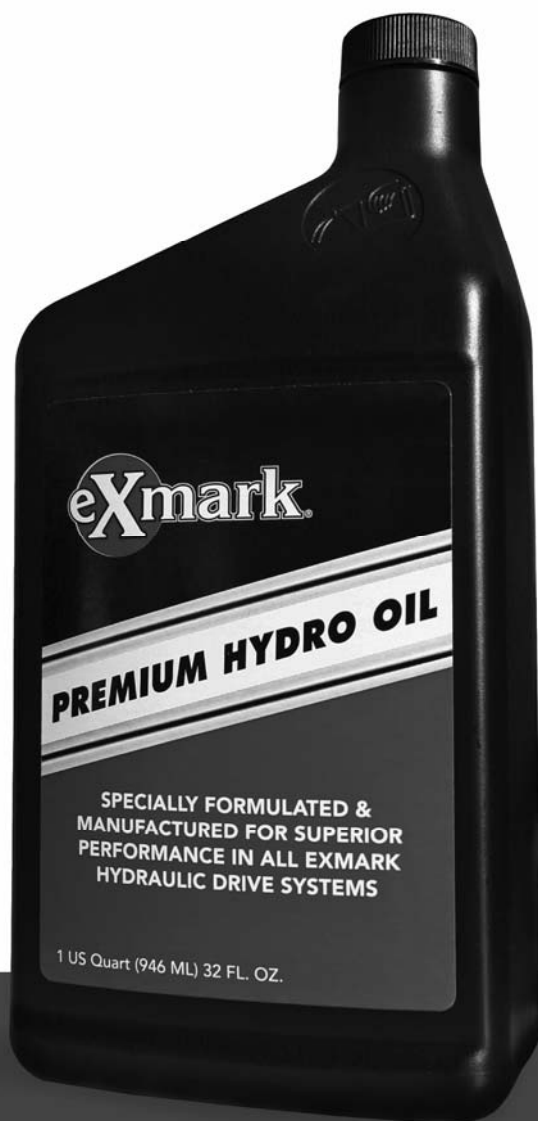
ELECTRICAL LOGIC SCHEMATIC



SERVICE RECORD

[illegible]

NEW EXMARK PREMIUM HYDRO OIL



BENEFITS

- Designed & manufactured with superior anti-wear protection
- Superior thermal stability
- Consistent hydro performance
- Superior shear resistance under heavy loads
- Field tested & proven performance
- Twice the shear stability of competing oils
- Enhanced control performance
- Specially formulated for any Exmark hydraulic system

**NOW AVAILABLE
FOR PURCHASE**

Part No. 109-9828



SEE EXMARK'S COMPLETE LINE OF ACCESSORIES

MID-MOUNT RIDING ACCESSORIES

CUSTOM RIDE SEAT SUSPENSION SYSTEM	OPERATOR CONTROLLED DISCHARGE
FULL SUSPENSION SEAT	ROLL OVER PROTECTION SYSTEM (ROPS)
DECK LIFT ASSIST KIT	SUN SHADE
HITCH KIT	TRASH CONTAINER
LIGHT KIT	TURF STRIPER
12V POWER PORT	ULTRA VAC COLLECTION SYSTEM
MICRO-MULCH SYSTEM	ULTRA VAC QUICK DISPOSAL SYSTEM

OUT-FRONT RIDING ACCESSORIES

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

WALK-BEHIND ACCESSORIES

GRASS CATCHER	TURF STRIPER
MICRO-MULCH SYSTEM	STANDON

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

Model No. _____

Serial No. _____

Date Purchased _____

Engine Model No. and Spec. No. _____

Engine Serial No. (E/No) _____

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