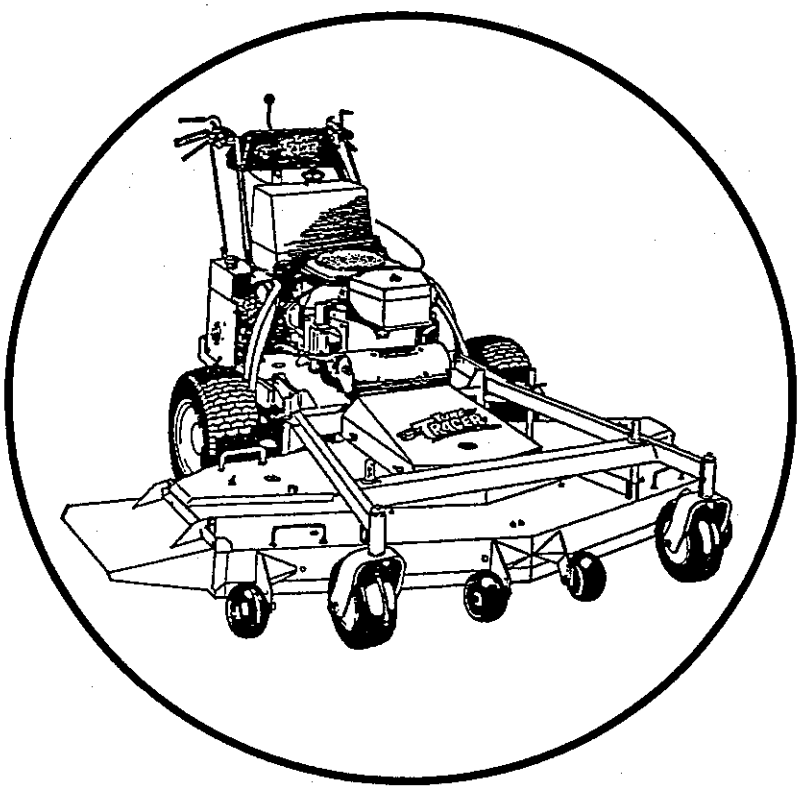
3/98

For Serial Nos. 160,000 and Higher

TURF TRACER HYDRO



Parts Manual

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 top front engine frame on the right hand side of the machine and for the deck is on front support pin gusset on right hand side of deck.

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

Tractor Model No. _____

Tractor Serial No. _____

Deck Model No. _____

Deck Serial No. _____

Date Purchased _____

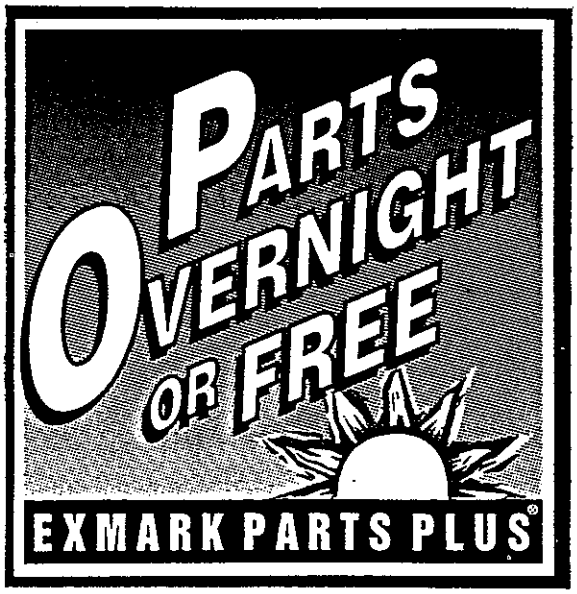
Purchased From _____

Paste Label From Literature Packet Here

Part No. 850509

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

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

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

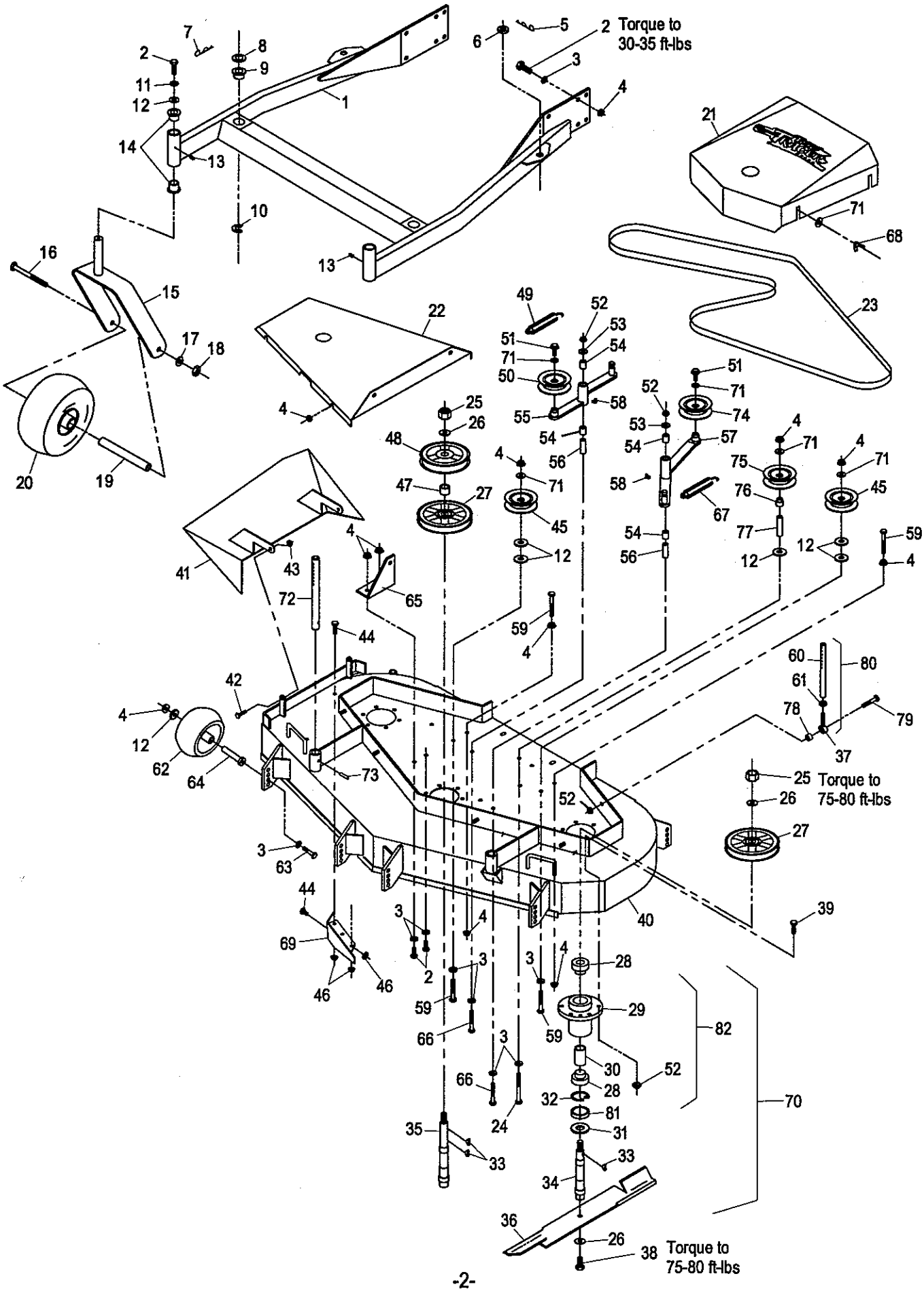
⚠ WARNING

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

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52" MOWER DECK



52" MOWER DECK

Ref. No.	Part No.	Description	Qty. Req'd.
1	604960	Support, deck 612092 w/ bushings & decals	1
2	800292	Capscrew, 3/8-16 x 1	12
3✧	303327	Washer, disc spring 3/8	21
4✧	809007	Nut, whizlock 3/8-16	31
5	806006	Hairpin, 5/8	2
6	303164	Spacer, blade driver	2
7	806007	Hairpin, 7/8	2
8	413425	Washer	2
9	513336	Bushing, deck support	2
10	808507	Ring, retaining (external)	2
11	805006	Washer, lock 3/8 hvy spring	2
12✧	373034	Washer, pivot	13
13	811001	Zerk, 1/8 NPT (straight)	2
14	303514	Bearing, flange thrust	4
15	522143	Fork, caster	2
16	800334	Capscrew, 1/2-13 x 6	2
17	805008	Washer, lock 1/2	2
18	804509	Nut, 1/2-13	2
19	513547	Spacer, front caster	2
20	513648	Tire/wheel assy, 9 x 3.50-4	2
	513807	Wheel	2
	513808	Tire 9 x 3.50-4	2
	513809	Bearing	2
	513810	Bushing	4
21	614041	Cover w/decal	1
22	602545	Cover, deck	2
23	603576	Belt, blade drive	1
24✧	800302	Capscrew, 3/8-16 x 4	1
25	804510	Nut, 5/8-18 UNF	3
26	513208	Spring, disk	6
27	553039	Sheave, blade drive	3
28	513016	Bearing, ball	6
29	323532	Housing, bearing	3
30	323528	Spacer, bearing	3
31	633573	Guard, dust	3
32	808502	Snap ring	3
33	807006	Key, woodruff #61	4
34	633574	Spindle, outer blade	2
35	553038	Spindle, center blade	1
36	633482	Blade, notched air foil	3
	613251	Blade, solid air foil	3
	633485	Blade, low lift	3
ǂ	633484	Blade, mulching	3
37	804525	Nut, hex 3/8-24	2
38	800340	Capscrew, 5/8-11 x 1 (RH)	3
39	800293	Capscrew, 3/8-16 x 1 1/4	18
40◆	612155	Deck, 612153 with support rods & baffle	1
41	602571	Chute, discharge	1
42	800273	Capscrew, 5/16-18 x 1	2
43	804256	Nut, nylock 5/16-18	2
44	800270	Capscrew, 5/16-18 x 5/8	3
45	303516	Pulley, V-Idler	2
46	809001	Nut, whizlock 5/16-18	3
47	603504	Spacer, tube	1
48	603581	Sheave, mower drive	1
49	603413	Spring, extension	1
50	603497	Pulley, idler	1
51	803016	Screw, whizlock 3/8-16 x 1	2
52	804257	Nut, nylock 3/8-16	20
53	805260	Washer, 3/8	2
54	513034	Bearing, pivot	4
55	602604	Idler arm assy w/bearings	1
	602591	Arm, deck idler	1
56	603384	Bushing, idler pivot	2
57	602865	Idler arm, w/bearings deck drive	1
	602867	Arm, deck drive idler	1
58	811008	Zerk, 1/4-28 (90°)	2
59	800297	Capscrew, 3/8-16 x 2-1/4	4
60	613203	Link, rear deck support	2
61	613204	Balljoint	2
62	603299	Roller, anti scalp	6
63	800807	Capscrew, 3/8-16 x 4 Gr8	6
64	603602	Bushing, roller	6
65	603620	Bracket, spring anchor	1
66	800805	Capscrew, 3/8-16 x 3 1/2	2
67	603414	Spring, extension	1
68	543678	Wingnut, nylock	4
69	602913	Baffle	1
70▲	554033	Housing, cutter complete (center)	1
	554019	Housing, cutter complete (outer)	2
71✧	805259	Washer, 3/8 SAE Flat	5
72	603001	Rod, deck support	2
73	806332	Roll pin, 1/4 x 1-1/2	2
74	613098	Idler	1
75✧	603805	Idler	1
76✧	513791	Bushing	1
77✧	603494	Spacer	1
78	603050	Spacer	2
79	800295	Capscrew, 3/8-16 x 1 3/4	2
80	614213	Link Assy	2
81	323533	Spacer,Shv/Brg	3
82	634619	Housingw/Brg,Spacer &Ring	3

✧ These parts are available in an Idler Pulley Kit (Part No. 601806). Each kit contains one item each of the referenced item number.

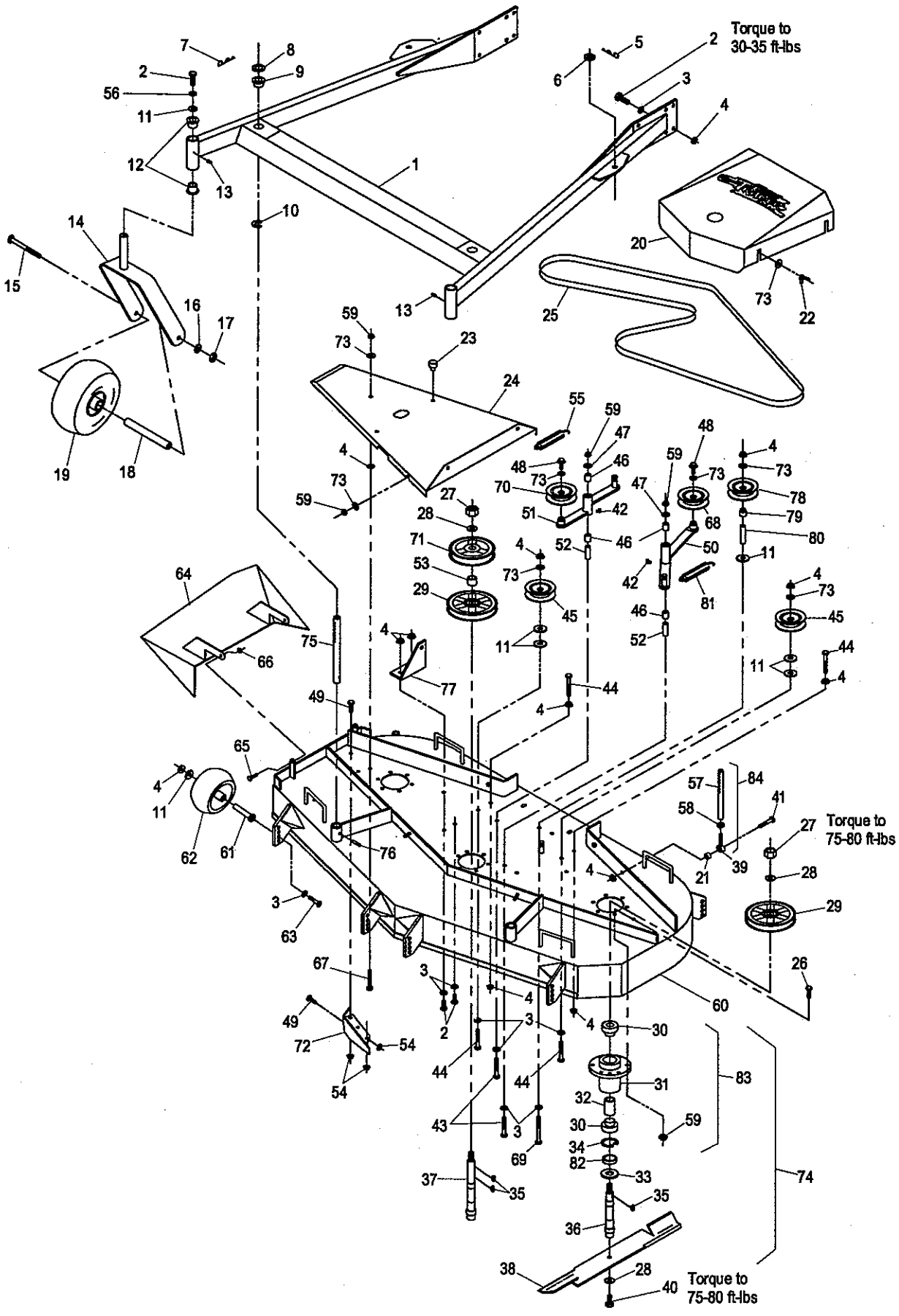
ǂ Requires installation of Micro-Mulch accessory for proper mulching. Mulch kit P/N MK523.

◆ Deck weldmt does include welded in flow control baffles.

▲ ***Outer*** cutter housing complete includes sheave, washer and nut. ***Center*** cutter housing complete includes sheaves, washer, spacer and nut.

Exmark red touch up spray paint - P/N 850337

60" MOWER DECK



60" MOWER DECK

Ref. No.	Part No.	Description	Qty. Req'd.
1	604847	Support, deck 612094 w/ bushings & decals	1
2	800292	Capscrew, 3/8-16 x 1	12
3✧	303327	Washer, disc spring 3/8	21
4✧	809007	Nut, whizlock 3/8-16	26
5	806006	Hairpin, 5/8	2
6	303164	Spacer, blade driver	2
7	806007	Hairpin, 7/8	2
8	413425	Washer	2
9	513336	Bushing, deck support	2
10	808507	Ring, retaining (external)	2
11✧	373034	Washer, pivot	13
12	303514	Bearing, flange thrust	4
13	811001	Zerk, 1/8 NPT (straight)	2
14	522143	Fork, caster	2
15	800334	Capscrew, 1/2-13 x 6	2
16	805008	Washer, lock 1/2	2
17	804509	Nut, 1/2-13	2
18	513547	Spacer, front caster	2
19	513648	Tire/whl assy, 9 x 3.50-4	2
	513807	Wheel	2
	513808	Tire 9 x 3.50-4	2
	513809	Bearing	2
	513810	Bushing	4
20	614110	Cover w/decal	1
21	603050	Spacer	2
22	543678	Wingnut, nylon insert	10
23	513291	Bumper, seat	2
24	542588	Cover, deck	2
25	603045	Belt, blade drive	1
26	800293	Capscrew, 3/8-16 x 1 1/4	18
27	804510	Nut, 5/8-18 UNF	3
28	513208	Washer, disc spring	6
29	553039	Sheave, blade drive	3
30	513016	Bearing, ball	6
31	323532	Bearing, housing	3
32	323528	Spacer, bearing	3
33	633573	Guard	3
34	808502	Snap ring	3
35	807006	Key, woodruff 5/8 x 3/16	4
36	633574	Spindle, outer blade	2
37	553038	Spindle, center blade	1
38	633483	Blade, notched air foil	3
	633483	Blade, solid air foil	3
	613111	Blade, low lift	3
ǂ	613112	Blade, mulching	3
39	613204	Balljoint	2
40	800340	Capscrew, 5/8-11 x 1(RH)	3
41	800295	Capscrew, 3/8-16 x 1 3/4	2
42	811008	Zerk, 1/4-28 (90°)	2
43	800805	Capscrew, 3/8-16 x 3.5	2
44	800297	Capscrew, 3/8-16 x 2-1/4	4
45	303516	Pulley, V-idler	2
46	513034	Bearing, pivot	4
47	805260	Washer, 3/8 stnd flat	2
48	803016	Bolt, whizlock 3/8-16 x 1	2
49	800270	Capscrew, 5/16-18 x 5/8	3
50	602867	Arm, deck drive idler	1
	602865	Idler arm assy, deck drive (with bearings)	1
51	602591	Arm, deck idler	1
	602604	Idler arm, w/bearings	1
52	603384	Bushing, idler pivot	2
53	603504	Spacer, tube	1
54	809001	Nut, whizlock 5/16-18	3
55	603413	Spring, extension	1
56	805006	Washer, lock 3/8 (hvy spring)	2
57	613203	Link, rear deck support	2
58	804525	Nut, hex 3/8-24	2
59	804257	Nut, nylock 3/8-16	20
60◆	612149	Deck, 612120 with support rods & baffle	1
61	603602	Bushing, roller	6
62	603299	Roller, anti scalp	6
63	800807	Capscrew, 3/8-16 x 4 (Gr 8)	6
64	542606	Chute, discharge	1
65	800273	Capscrew, 5/16-18 x 1	2
66	804256	Nut, nylock 5/16-18	2
67	800031	Tapbolt, 3/8-16 x 2 3/4	2
68	613098	Pulley, flat idler	1
69✧	800302	Capscrew, 3/8-16 x 4 (Gr 5)	1
70	603497	Pulley, idler	1
71	613024	Sheave, mower drive	1
72	602913	Baffle	1
73✧	805259	Washer, 3/8 SAE	13
74▲	554019	Cutter hsg,outer complete	2
	554018	Cutter hsg,center complete	1
75	603001	Rod, deck support	2
76	806332	Rollpin	2
77	603620	Bracket, spring anchor	1
78✧	603805	Idler	1
79✧	513791	Bushing	1
80✧	603494	Spacer	1
81	603414	Spring, extension	1

✧ These parts are available in an Idler Pulley Kit (Part No. 601806). Each kit contains one item each of the referenced item number.

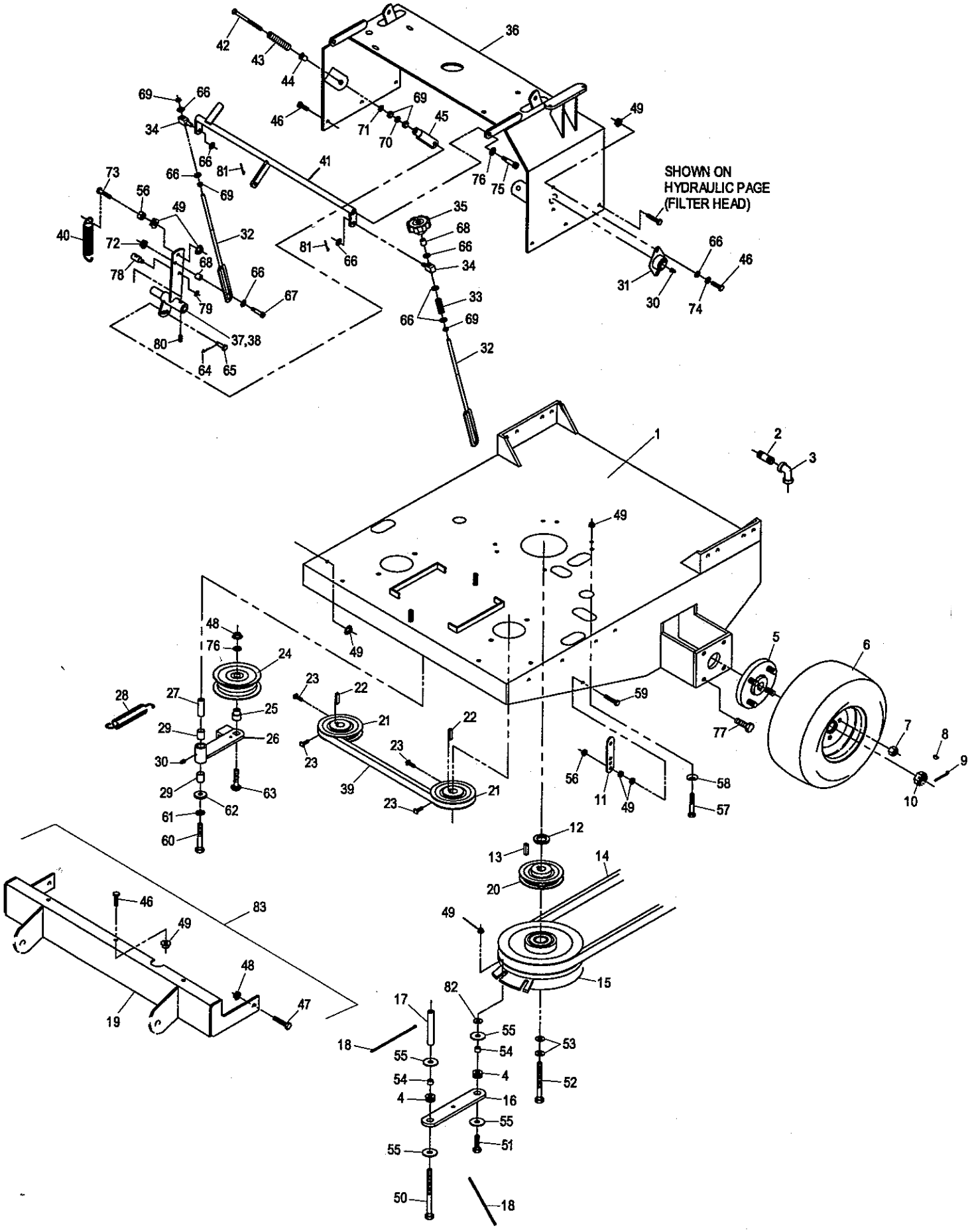
ǂ Requires installation of Micro-Mulch accessory for proper mulching. Mulch kit P/N MK603.

◆ Deck weldmt does include welded in flow control baffles.

▲ ***Outer*** cutter housing complete includes sheave, washer and nut. ***Center*** cutter housing complete includes sheaves, washer, spacer and nut.

Exmark red touch up spray paint - P/N 850337

ENGINE DECK GROUP



ENGINE DECK GROUP

Ref. No.	Part No.	Description	Qty. Req'd.
1	602944	Engine Deck Weldment	1
2*	543064	Pipe nipple	1
3*	303428	Elbow, 90	1
4	633630	Grommet	2
5◊	602997	Hub, 4 bolt	2
	613150	Stud	8
6	603627	Tire and wheel assy	2
	603763	Tire only	2
	603715	Rim only	2
7	513011	Nut, wheel	8
8	807019	Key, woodruff 1" x 1/4"	2
9	806800	Pin, cotter 9/64 X 1 1/2	2
10	803040	Nut, 3/4-16-2B slotted hex	2
11	613089	Anchor, spring	2
12	543214	Spacer, crankshaft	1
13	807259	Key, 1/4 x 1/4 x 1	2
14	603306	Belt,deck drive(60")	1
	603306	Belt,deck drive(52")	1
611223 15	~~614217~~	Clutch w/strap assembled	1
631731	~~611248~~	Clutch w/plastic tie	1
16	633543	Strap, clutch	1
17	323195	Standoff, clutch	1
18	303287	Plastic tie, small	3
19	602438	Hitch weldmt	1
20•	603589	Sheave, 4 1/4 O.D	1
21	603778	Sheave, Pump	2
22	807272	Key, 5mm sq x 25mm	2
23∇	803050	Setscrew, 5/16-18 x 3/4	4
24	603843	Pulley, idler	1
25	603496	Bushing, idler	1
26	602521	Idler arm w/bushings	1
	602458	Idler arm weldmt	1
27	603044	Bushing, idler pivot	1
28	603402	Spring, extension	1
29	513034	Bearing, pivot	2
30	811006	Zerk, grease 1/4-20	3
31	633102	Bearing, flanged	2
32	412211	Rod, control arm	2
33	323245	Spring	1
34	603676	Swivel	2
35	413151	Knob, tracking	1
36	612165	Support, tank/handle	1
37	612160	Arm, control LH	1
38	612162	Arm, control RH (not shown)	1
39	603809	Belt, hydro trans drive	1

Ref. No.	Part No.	Description	Qty. Req'd.
40	603693	Spring, extension	2
41	612173	Crank weldmt	1
42	603737	Bolt, neutral return	2
43	603807	Spring, neutral return	2
44	603735	Bushing, flanged.	2
45	303105	Yoke, adjustable	2
46	800271	Screw, 5/16-18 x 3/4	13
47	800292	Screw, 3/8-16 x 1	2
48	809007	Nut, 3/8-16 whizlock	3
49	809001	Nut, 5/16-18 whizlock	24
50	800385	Screw, 5/16-18 x 4 1/2	1
51	800274	Screw, 5/16-18 x 1 1/4	1
52∇	800819	Screw, 7/16-20 x 2 1/2	1
53	603610	Washer, spring disc.	2
54	633545	Spacer, clutch anchor	2
55	613235	Washer	4
56	804256	Nut, nylock 5/16-18	5
57	800275	Screw, 5/16-18 x 1 1/2	4
58	303334	Washer, 5/16 disc spring	4
59	800016	Bolt, tap 5/16-18 x 1 1/4	2
60∇	800298	Screw, 3/8-16 x 2 1/2	1
61	805006	Washer, lock 3/8 heavy	1
62	373034	Washer, pivot	1
63	807517	Screw, 3/8-16 x 1 3/4	1
64	806003	Hairpin, cotter	2
65	808280	Clevis pin	2
66	805257	Washer, 5/16	12
67∇	809057	Screw, 5/16 x 3/4sckt hd shldr	2
68	603903	Spacer	3
69	804521	Nut 5/16-24 regular	7
70	804758	Nut, 5/16-24 jam	2
71	805256	Washer, 1/4	2
72	809012	Nut, whizlock 1/4-20	2
73	800274	Screw , 5/16-18 x 1-1/4	2
74	805005	Washer, lock 5/16 heavy	4
75∇	809056	Screw,3/8 x 3/8 sckt hd shld	2
76	805259	Washer, 3/8 SAE flat	3
77	803045	Screw, whizlock 3/8-16 x3/4	8
78	413227	Swivel, drive lever	2
79	808520	Klipring	2
80∇	803022	Setscrew, 5/16-18 x 5/8	2
81	806753	Cotter pin	2
82	805258	Washer, 5/16	1
83	601000	Hitch Kit, sulky	1

* Use Teflon Pipe Sealant or equivalent on threads.

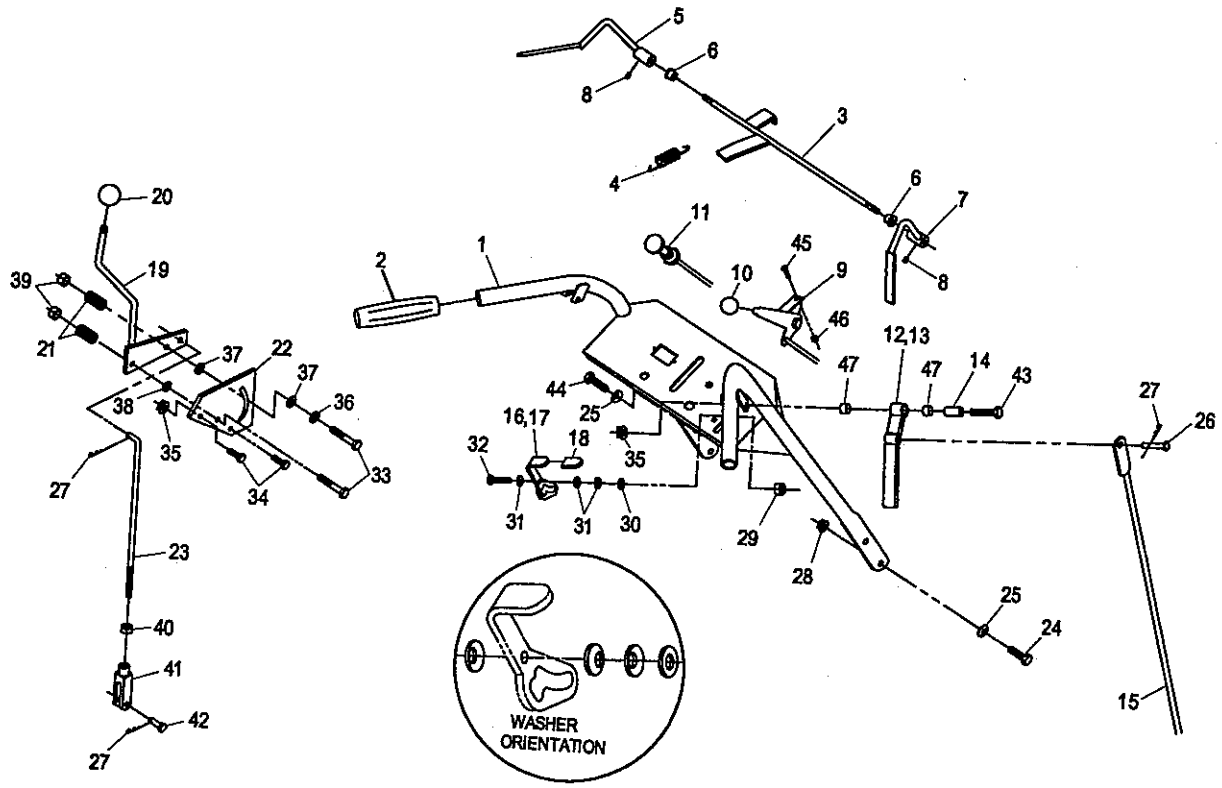
∇ Use (Part No. 840022) Pro-lock, nut type (.5 ml tube) on threads.

Exmark red touch up spray paint - P/N 850337
Exmark black touch up spray paint - Gloss black

◊ Use anti-seize on hub bore

• Install sheave with long end of hub up

HANDLE AND CONTROLS



Ref. No.	.Part No.	Description	Qty. Req'd.
1	612182	Handle wldmnt, hydro	1
2	303097	Grip, handle	2
3	612187	Rod wldmnt, OPC	1
4	303363	Spring	1
5∇	412183	Lever wldmt, OPC Lh	1
6	303365	Bushing, nylon	2
7∇	412185	Lever weldmt, OPC Rh	1
8◊	803322	Setscrew	2
9	613247	Throttle control	1
10	513592	Knob, red ball	1
11	603336	Choke control push/pull	1
12	412161	Drive lever RH (shown)	1
13	412159	Drive lever LH (not shown)	1
14	603749	Bushing, drive lever	2
15	613189	Rod, drive lever	2
16	612168	Latch,thumb RH (shown)w/grip	1
17	612167	Latch, thumb LH w/grip	1
18	303019	Grip, vinyl latch	2
19	602733	Lever, shifter	1
20◊	603175	Knob, 1-3/8	1
21	323245	Spring, compression	2
22	603730	Plate, shifter lever	1
23	603700	Rod, speed control	1
24	800292	Screw, 3/8-16 x 1	3

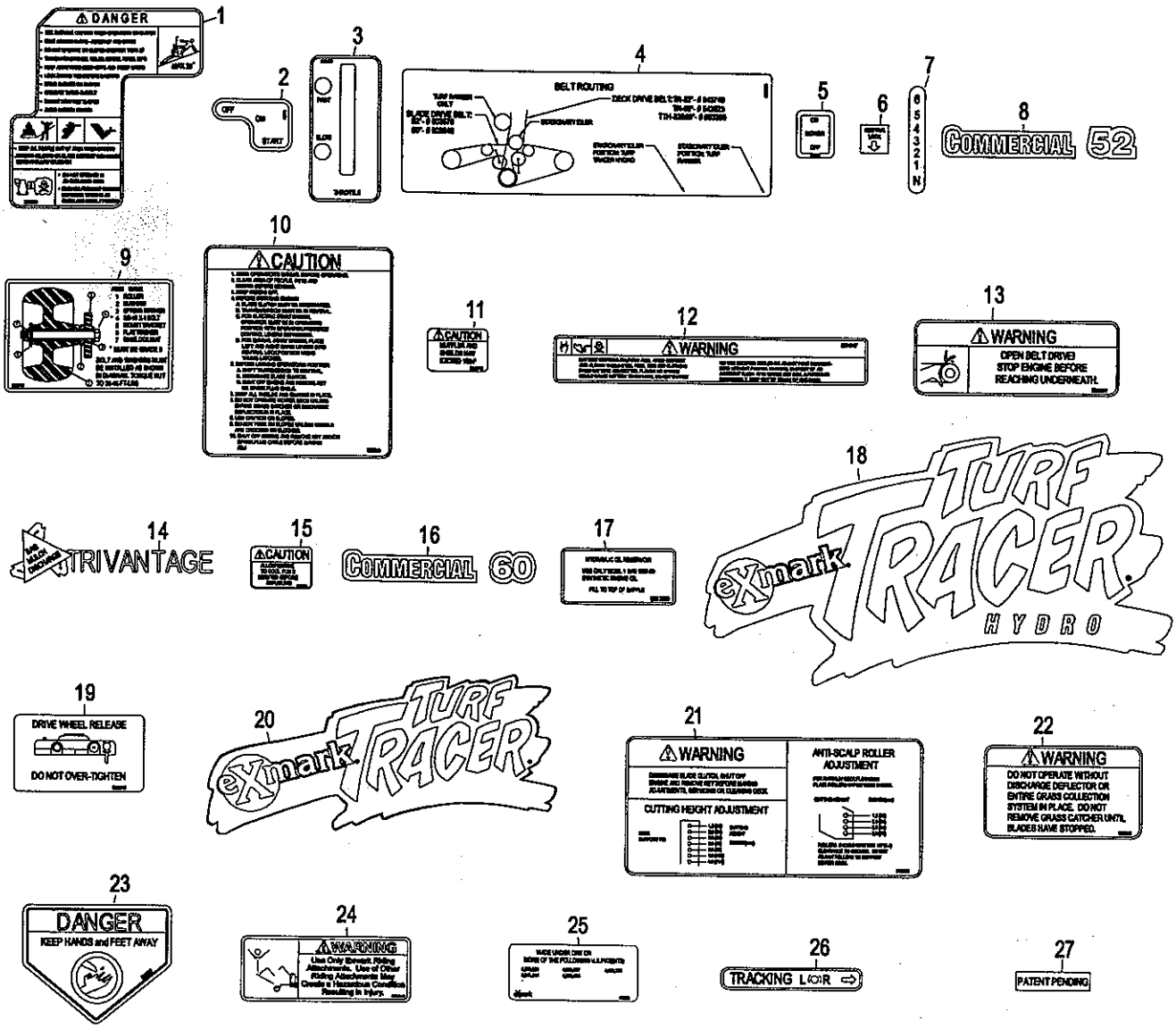
Ref. No.	Part No.	Description	Qty. Req'd.
25	303327	Washer, spring disk	4
26	613055	Pin, clevis	2
27	806003	Hairpin cotter	4
28	809007	Nut, whizlock 3/8-16	4
29	804255	Nut, nylock 1/4-20	2
30	805256	Washer, 1/4 std flat	2
31	303435	Washer, 1/4 disc spring	6
32	800257	Screw, 1/4-20 x 1-3/4	2
33	800277	Screw, 5/16-18 x 2	2
34	800251	Screw, 1/4-20 x 5/8	2
35	809012	Nut, whizlock 1/4-20	4
36	603716	Washer, friction	1
37	323244	Washer, friction	2
38	805257	Washer, 5/16 flat	1
39	804256	Nut, nylock 5/16-18	2
40	804758	Nut, jam 5/16	1
41	303105	Yoke, adjustable	1
42	808280	Pin, clevis	1
43	800256	Screw, 1/4-20 x 1-1/2	2
44	800293	Screw, 3/8-16 x 1-1/4	1
45	807513	Screw, 10-24 x 1/2	2
46	804252	Nut, nylock 10-24	2
47	413152	Bearing	4

◊ Use Pro-Lock Nut Type (P/N 840022 .5 ml. Tube) on setscrews and on shifter knob threads

∇ Use Pro-Lock Retaining 1 (P/N 840023 .5cc Tube) on inside bore of OPC Hub

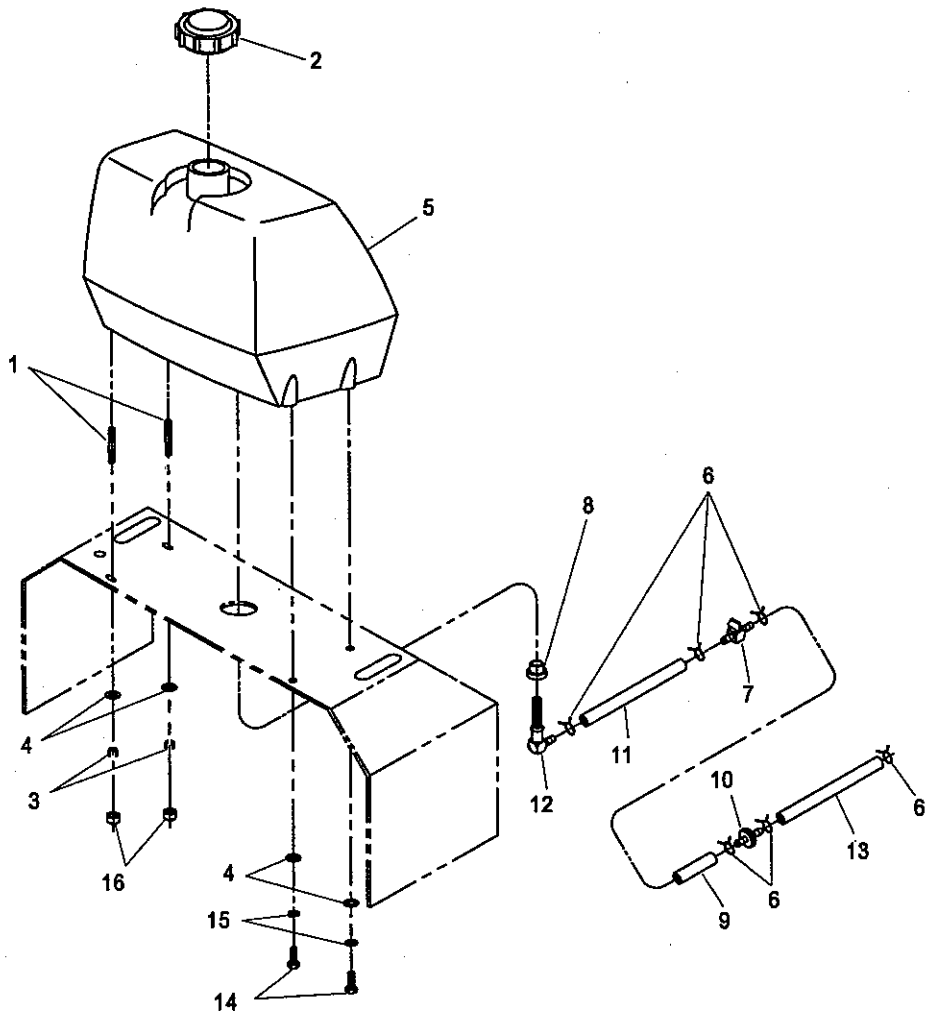
Exmark black touch up spray paint - Gloss black

DECALS



Ref. No.	Part No.	Description	Qty. Req'd.
1	613252	Decal, Danger	1
2	513739	Decal, Ignition	1
3	543631	Decal, Throttle	1
4	613100	Decal, Belt Route	1
5	543626	Decal, Mower Switch	1
6	303102	Decal, Neutral Lock	2
7	613169	Decal, Shifter	1
8	403132	Decal, Commercial 52	1
9	323540	Decal, Roller Mounting	1
10	603350	Decal, Instructional	1
11	513746	Decal, Muffler	1
12	513747	Decal, Battery	1
13	303517	Decal, Belt Drive	1
14	303520	Decal, Tri-vantage	1
15	303293	Decal, 2 Minute Cool	1
16	613050	Decal, Commercial 60	1
17	513890	Decal, Hydraulic Tank	1
18	613044	Decal, "Swash" (large) TTH	1
19	603845	Decal, Drive Wheel Release	1
20	613049	Decal, "Swash" (small) TTH	1
21	543660	Decal, Mower Deck	1
22	303508	Decal, Discharge Warning	1
23	403005	Danger Label	2
24	403143	Decal, Sulky Warning	1
25	403080	Decal, Patent No.	1
26	413214	Decal, Tracking.	1
27	373066	Decal, Patent Pending.	1
	611117	Kit, Decal Complete	

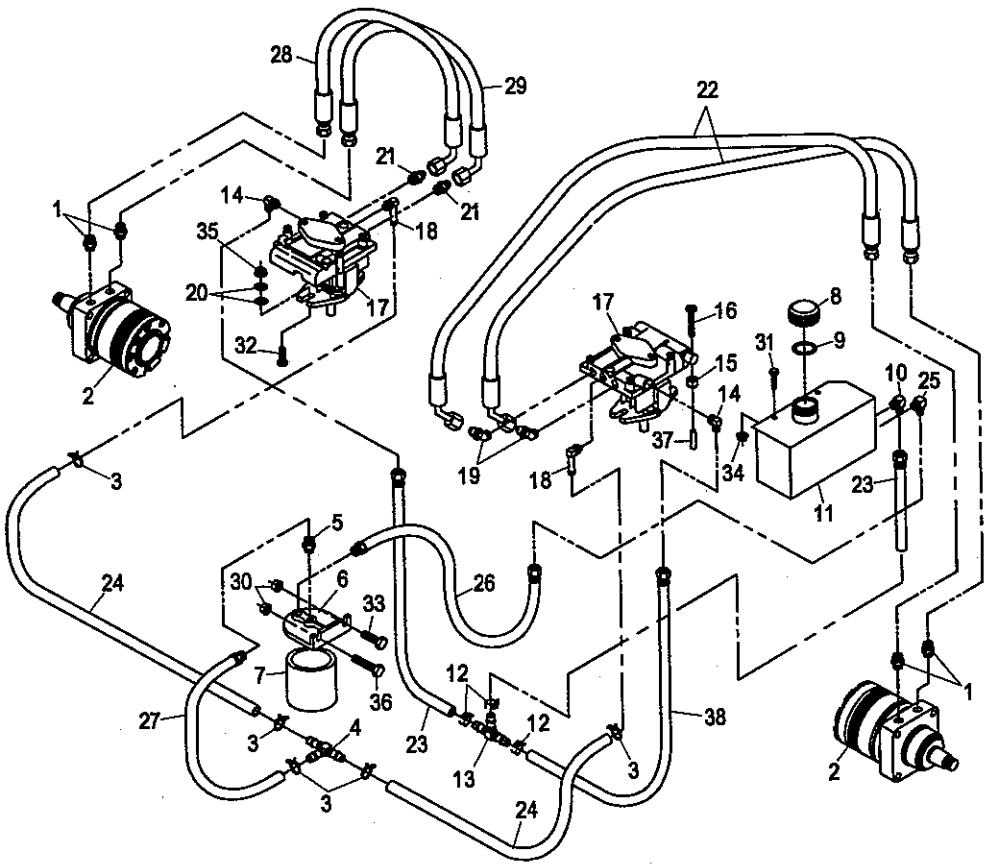
FUEL GROUP



Ref. No.	Part No.	Description	Qty. Req'd.	Ref. No.	Part No.	Description	Qty. Req'd.
1•	633023	Stud, fuel tank	2	9	603776	Hose, fuel 2.5	1
2	513508	Cap, gas	1	10	303197	Filter, fuel	1
3	633349	Spring, fuel tank	2	11	543649	Hose, fuel 7.0	1
4	805257	Washer, flat 5/16 std	4	12	543277	Elbow, fuel tank	1
5	413179	Gas tank	1	13	303306	Hose, fuel 10.5	1
6	303077	Clamp, fuel line	6	14	800271	Screw, 5/16-18 x 3/4	2
7	603770	Valve, fuel	1	15	805005	Washer, 5/16 lock	2
8	513645	Bushing, fuel	1	16	804256	Nut, nylock 5/16-18	2

• Use Prolock, Retaining type (P/N 840023) .5cc tube on studs going into tank

HYDRAULICS GROUP



Ref. No.	Part No.	Description	Qty. Req'd.
1	603991	Fitting, straight connector	4
	603919	Boss O-Ring	1
	603992	Flare O-Ring	1
2	603718	Motor, wheel	2
	000119	Kit, seal	1
	000138	Kit, bearing	1
3	603827	Clamp, hose 5/8"	5
4	603721	Fitting, hose tee (3/8 hose)	1
5	513510	Connector, male	1
6*	603720	Head, filter	1
7	513211	Element, oil filter	1
Δ	523541	Element, oil filter(winter)	1
8	513167	Cap, hydraulic reservoir	1
9	523103	Gasket, hydr. tank cap	1
10	603987	Elbow, 90°	1
11*	512166	Reservoir, hydraulic fluid	1
12	603826	Clamp, hose 1/2"	3
13	603722	Fitting, hose tee(1/4 I.D hose)	1
14	513840	Elbow, 90°	2
	603921	O-Ring	1
15	804255	Nut, nylock 1/4-20	2
16	801063	Screw, 1/4-20 x 2 pan hd	2
17	613042	Pump, hydro	2
	2513018	Kit, overhaul seal	1

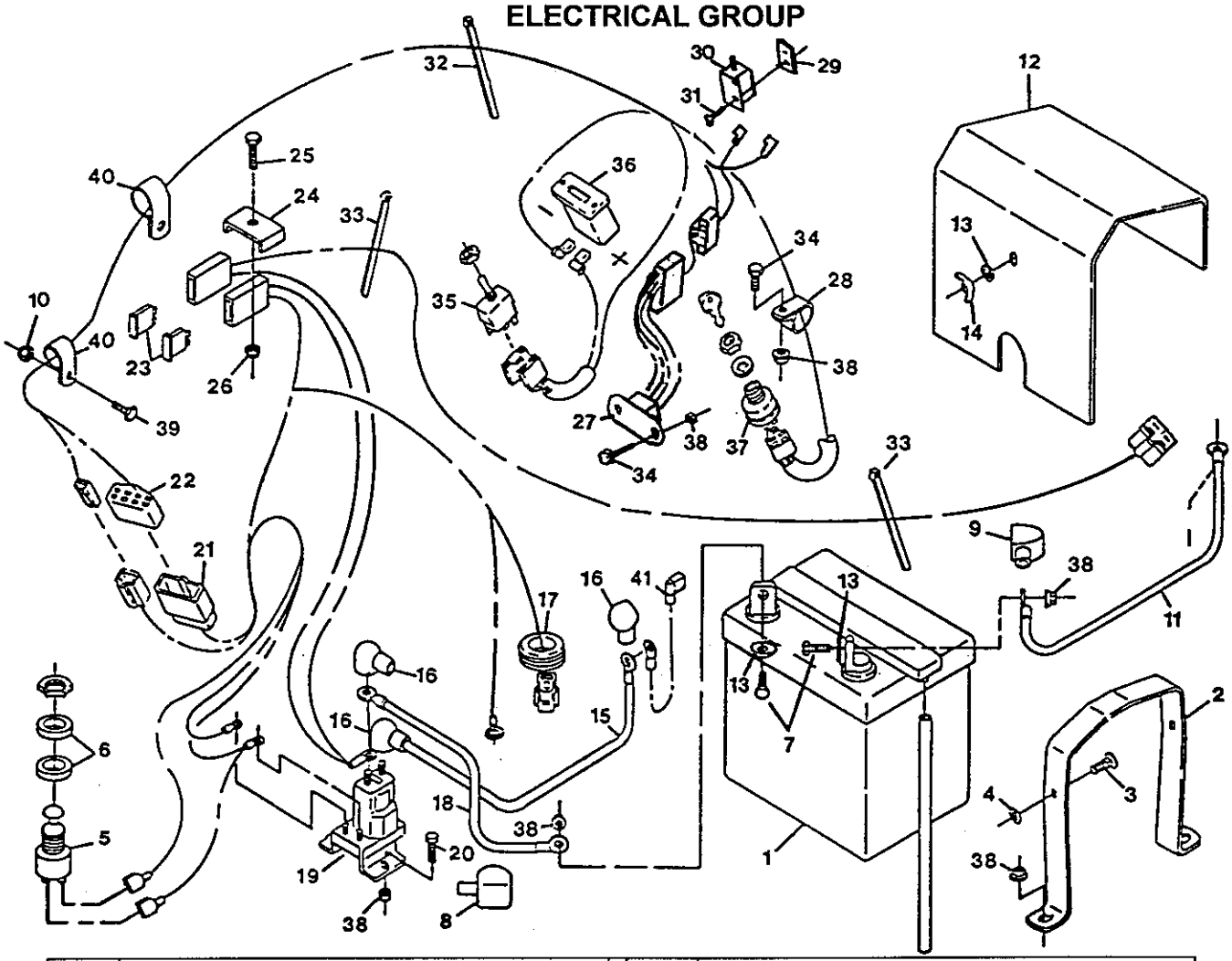
Ref. No.	Part No.	Description	Qty. Req'd.
18	603989	Elbow, 90°	2
	603923	O-Ring	1
19	523221	Elbow, 45	2
	603992	Flare O-Ring	1
	603920	Boss O-Ring	1
20	805258	Washer, 5/16 std	8
21	603990	Adapter, straight thread	2
	603920	Boss O-Ring	1
	603992	Flare O-Ring	1
22	603981	Hose, hydro (RH)	2
23	602750	Hose assy, case drain	2
24	603986	Hose assy, charge pump	2
25	603988	Elbow, 90°	1
26	602985	Hose assy, supply	1
27	602754	Hose assy, charge line	1
28	613034	Hose, hydro (LH)	1
29	323241	Hose, hydro (LH)	1
30	809001	Nut, whizlock 5/16-18	2
31	800252	Screw, 1/4-20 x 3/4	2
32	800293	Screw, 3/8-16 x 1-1/4	4
33	800271	Screw, 5/16-18 x 3/4	1
34	809012	Nut, whizlock 1/4-20	2
35	809007	Nut, whizlock 3/8-16	4
36	800273	Screw, 5/16-18 x 1	1
37	613073	Grip, Dump Valve	2
38	632285	Hose assy	1

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

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

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ELECTRICAL GROUP



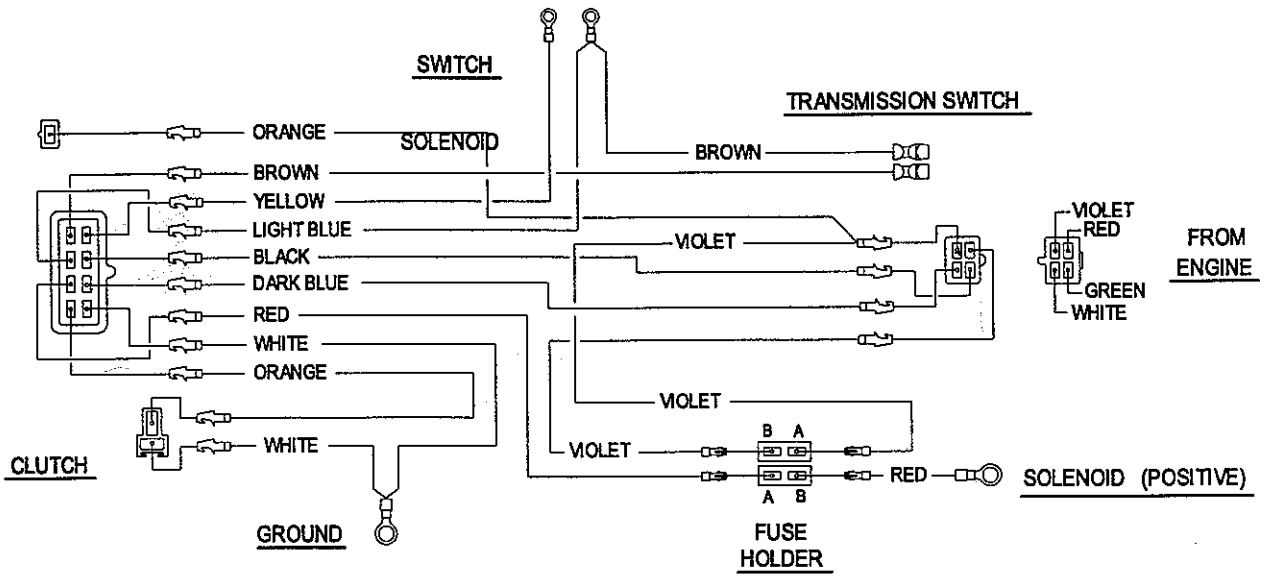
Ref. No.	Part No.	Description	Qty. Req'd.
1	603479	Battery, 12V manifold	1
2	603814	Strap, battery holddown	1
3	807512	Bolt, carriage 1/4-20 x 3/4	2
4	803037	Nut, retaining 1/4-20	2
5	603760	Switch, push button	1
6	303164	Spacer	2
7	800252	Screw, 1/4-20 x 3/4	2
8	543391	Insulator, Battery +	1
9	543390	Insulator, Battery -	1
10	809007	Nut, whizlock 3/8-16	1
11	543767	Wire, ground	1
12	603105	Cover, battery debris	1
13	805256	Washer, 1/4 Flat	3
14	803038	Wingnut, 1/4-20	2
15	603488	Wire, battery to starter (+)	1
16	543393	Insulator, solenoid	3
17	543286	Grommet	1
18	513053	Wire, battery to solenoid (+)	1
19	513075	Switch, 12V solenoid	1
20	800250	Screw, 1/4-20 x 1/2	2
21	613010	Harness, engine deck	1

Ref. No.	Part No.	Description	Qty. Req'd.
22	613197	Harness, wire console	1
23	816001	Fuse, blade 20 amp	2
24	603434	Clip, fuse block	1
25	800256	Screw, 1/4-20 x 1-1/2	1
26	804255	Nut, nylock 1/4-20	1
27	613198	Module, Safety Interlock	1
28	513762	Clip, 1/2" Loom	1
29	633181	Plate, tapped	1
30	513051	Switch	1
31	803028	Screw, #10-24x5/8	2
32	303335	Plastic tie, (large)	1
33	303287	Plastic tie	2
34	800251	Screw, 1/4-20 x 5/8	3
35	543018	Switch, toggle	1
36	513374	Meter, engine hour	1
37	543070	Switch, ignition	1
	603511	Keys, ignition	1
38	809012	Nut, whizlock 1/4-20	9
39	800292	Screw, 3/8-16 x 1	1
40	603727	Clip, 9/16" loom	2
41	543084	Wire, starter solenoid	1

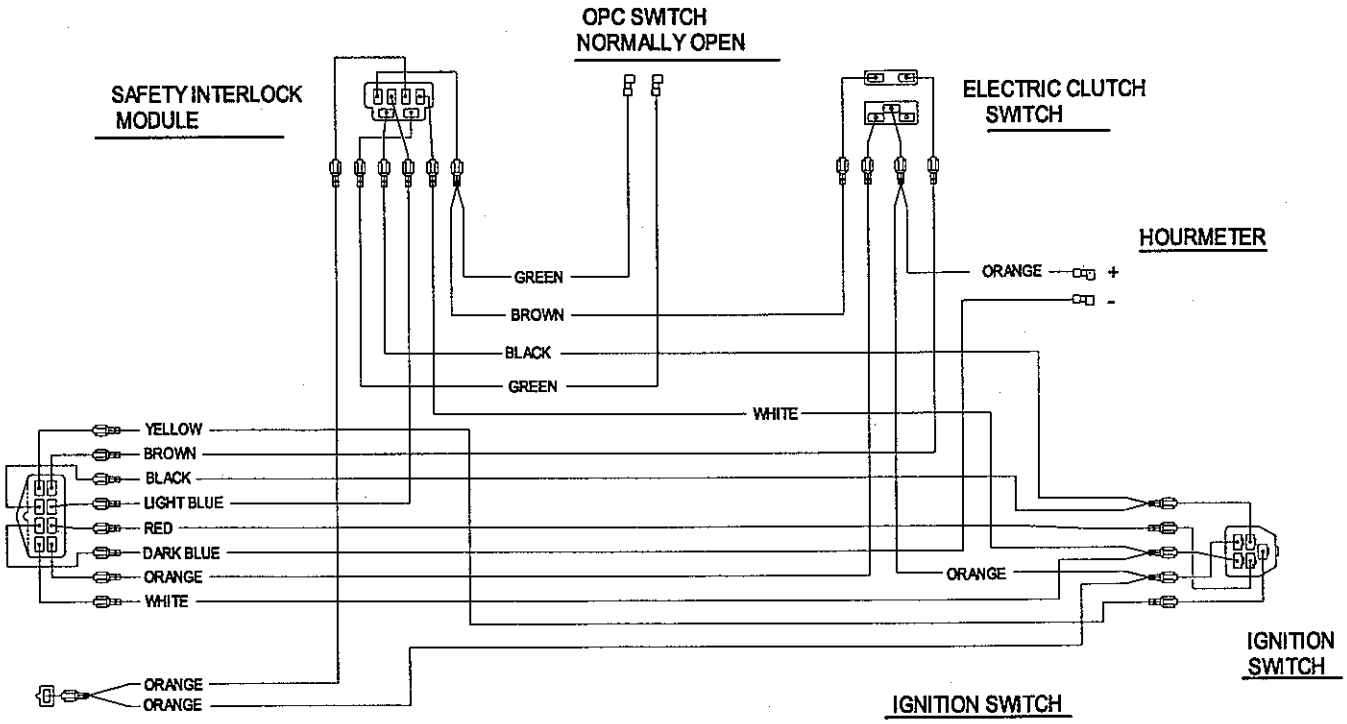
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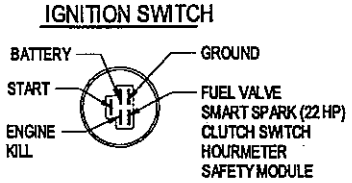
Apply dielectric grease to all electrical connectors

ELECTRICAL DIAGRAMS



Engine Deck Wiring Diagram
NOTE: All connectors are viewed from the wire input side of connector.





IGNITION SWITCH

POSITION	CIRCUIT "MAKE"
OFF	GROUND + ENGINE KILL
ON	BATTERY + FUEL VALVE SMART SPARK (22HP) CLUTCH SWITCH HOURMETER SAFETY MODULE
START	BATTERY + START / BATTERY + FUEL VALVE SMART SPART (22 HP) CLUTCH SWITCH HOURMETER SAFETY MODULE

Console Wiring Diagram
NOTE: All connectors are viewed from the wire input side of connector.

SEE EXMARK'S COMPLETE LINE OF PRODUCTS FOR TURF

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LAZER Z HP

EXPLORER

TURF RANGER

TURF TRACER

TURF TRACER HP

VIKING HYDRO

METRO

METRO HP

SELF STEERING SULKY

GRASS CATCHER

MICRO-MULCHING ACCESSORY

EXMARK MFG. CO. INC.
INDUSTRIAL PARK BOX 808
BEATRICE, NE. 68310

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