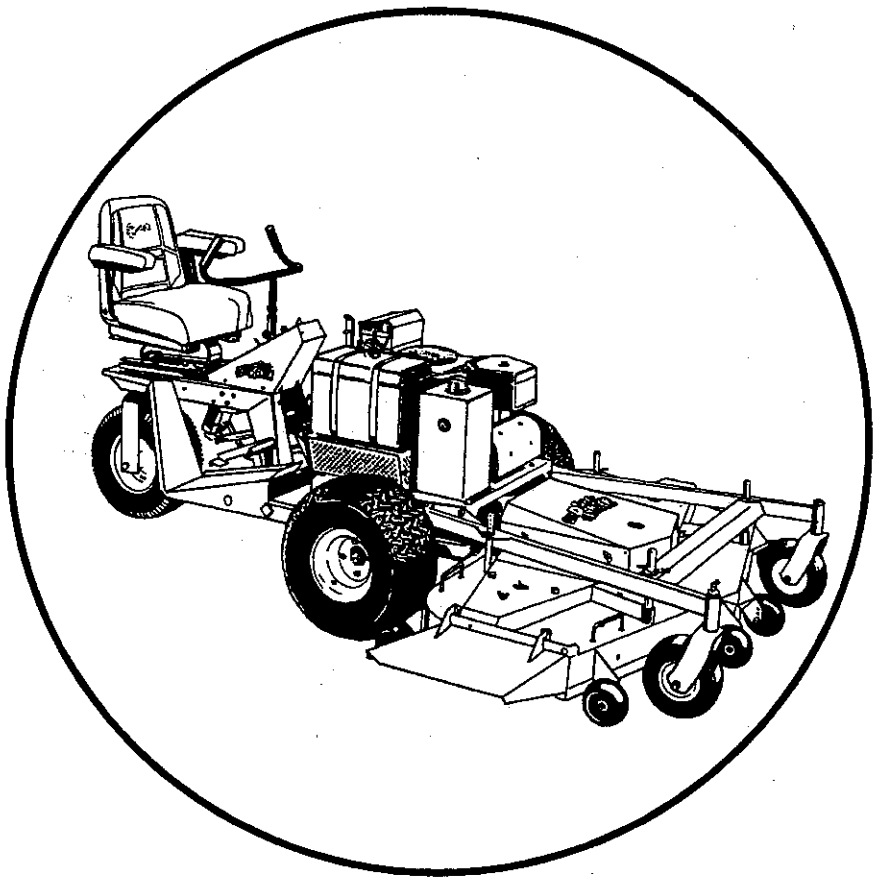
eXmark MFG. CO. INC.

For Serial Nos. 115,000 and Higher

TURF RANGER



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 right hand rear surface of the engine deck below the fuel tank 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 _____

Part No. 850405

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.

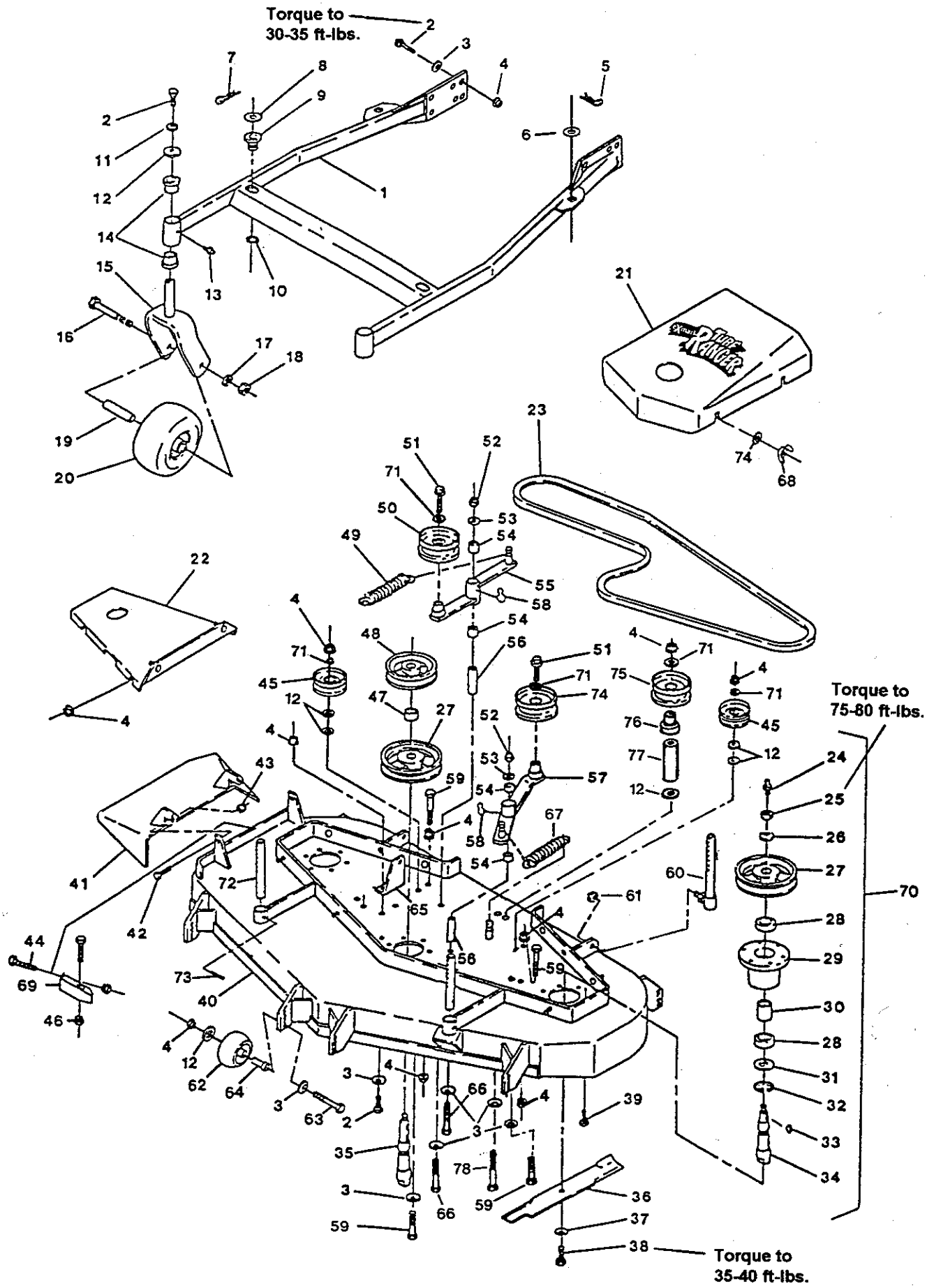
⚠ WARNING

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

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52" MOWER DECK



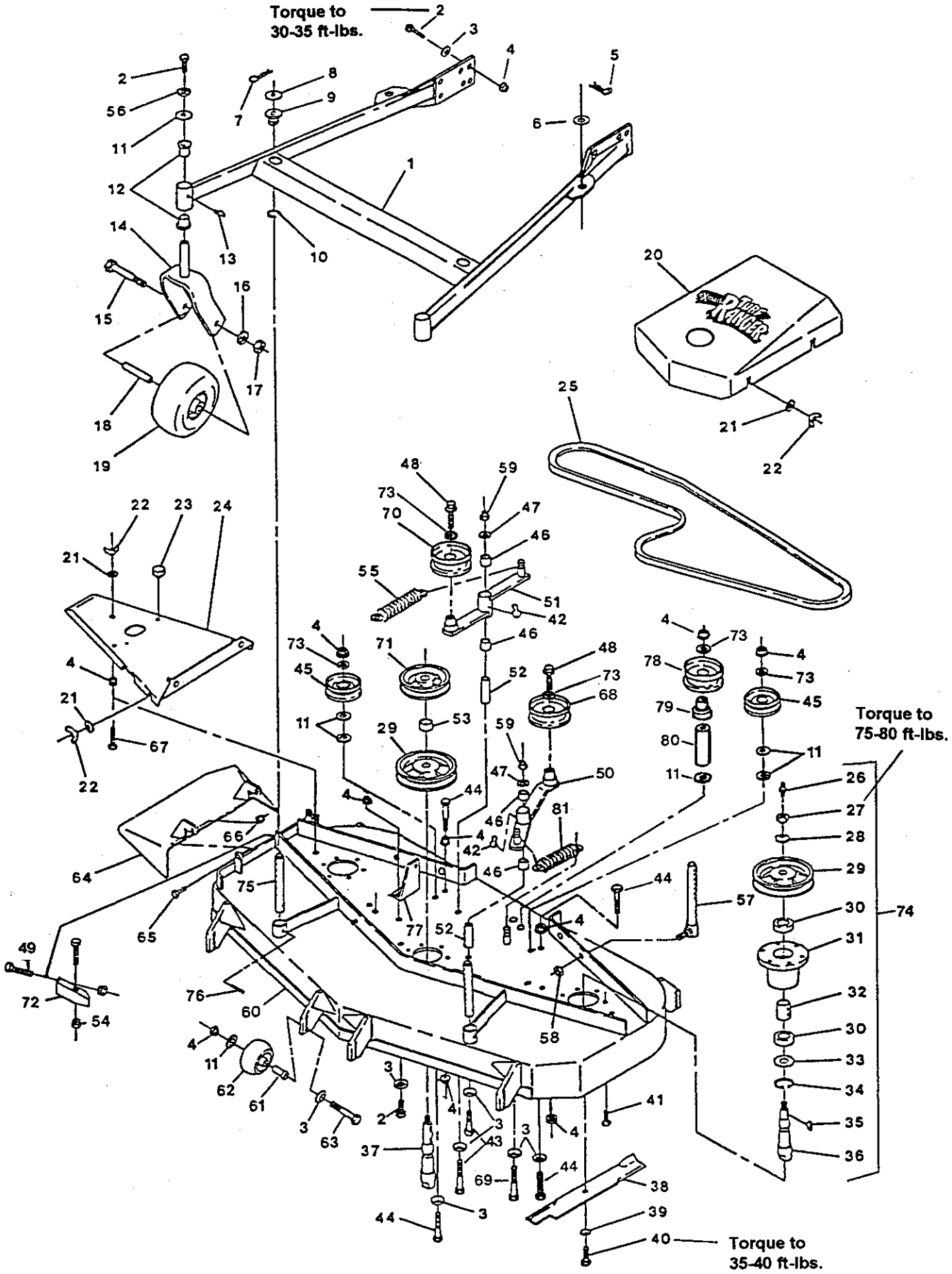
52" MOWER DECK

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	10
3✧	303327	Washer, disc spring 3/8	20
4✧	809007	Nut, whizlock 3/8-16	30
5	806006	Hairpin, 5/8	2
6	303164	Spacer, blade driver	2
7	806007	Hairpin, 7/8	2
8	513338	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	542300	Cover with decal, (deck drive belt)	1
22	602545	Cover, deck	2
23	603576	Belt, blade drive	1
24	811006	Zerk, 1/4-28 (straight)	3
25	804510	Nut, 5/8-18 UNF	3
26	513208	Spring, disk	3
27	513207	Sheave, blade drive	3
28	303543	Bearing, ball	6
29	513186	Housing, bearing	3
30	513188	Spacer, bearing	3
31	513193	Seal, dust	3
32	808506	Snap ring, 2.59 x 08TK	3
33	807006	Key, woodruff #61	4
34	603031	Spindle, outer blade	2
35	603022	Spindle, center blade	1
36	603637	Blade, 18" diameter	3
	603844	Blade, low lift	3
‡	603873	Blade, mulching	3
	613101	Blade, 18" notched	3
37	513435	Washer, disc spring 1/2	3
38	800531	Capscrew, 1/2-20 x 1 (RH)	3
39	809035	Bolt, taptite 3/8-16 x 1	18
40	602961	Deck, 612007 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	13
45	303516	Pulley, V-Idler	2
46	809001	Nut, whizlock 5/16-18	13
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	2
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	603540	Link, rear deck support	2
61	803031	Nut, torque 3/8-24	2
62	603299	Roller, anti scalp	6
63	800807	Capscrew, 3/8-16 x 4	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	604621	Housing, cutter complete (center)	1
	604262	Housing, cutter complete (outer)	2
71✧	805259	Washer, 3/8 SAE	9
72	603001	Rod, deck support	2
73	806332	Roll pin, 1/4 x 1-1/2	2
74	613098	Pulley, flat idler	1
75✧	603805	Idler	1
76✧	513791	Bushing	1
77✧	603494	Spacer	1
78✧	800302	Capscrew, 3/8-16 x 4	1

‡ Requires installation of Micro-Mulch accessory for proper mulching.

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

60" MOWER DECK



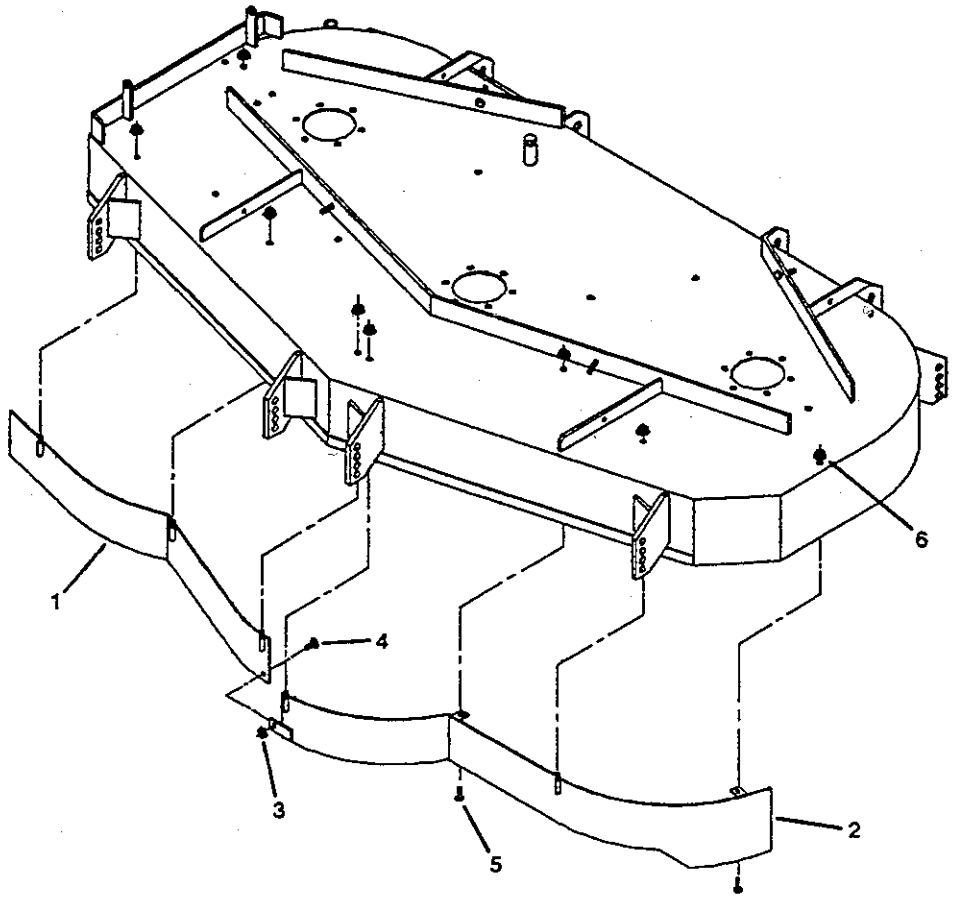
60" MOWER DECK

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	8
3✧	303327	Washer, disc spring 3/8	12
4✧	809007	Nut, whizlock 3/8-16	24
5	806006	Hairpin, 5/8	2
6	303164	Spacer, blade driver	2
7	806007	Hairpin, 7/8	2
8	513338	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	542301	Cover w/decal (deck drv belt)	1
21	805259	Washer, 3/8	10
22	543678	Wingnut, nylon insert	10
23	513291	Bumper, seat	2
24	542588	Cover, deck	2
25	603045	Belt, blade drive	1
26	811006	Zerk, 1/4-28 (straight)	3
27	804510	Nut, 5/8-18 UNF	3
28	513208	Washer, disc spring	3
29	513207	Sheave, blade drive	3
30	303543	Bearing, ball	6
31	513186	Bearing, housing	3
32	513188	Spacer, bearing	3
33	513193	Seal, dust	3
34	808506	Snap ring, 2.59 x 08TK	3
35	807006	Key, woodruff 5/8 x 3/16	4
36	603031	Spindle, outer blade	2
37	603022	Spindle, center blade	1
38	603283	Blade, 20 1/2" diameter	3
	603661	Blade, low lift	3
‡	603874	Blade, mulching	3
	613072	Blade, 18" notched	3
39	513435	Washer, 1/2 disc spring	3
40	800531	Capscrew, 1/2-20 x 1 (RH)	3
41	809035	Bolt, taptite 3/8-16 x 1	18
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	9
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	16
55	603413	Spring, extension	1
56	805006	Washer, lock 3/8 (hvy spring)	2
57	603540	Link, rear deck support	2
58	803031	Nut, torque 3/8-24	2
59	804257	Nut, nylock3/8-16	2
60	602962	Deck, 612003 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	5
74	604262	Cutter housing, (outer, cmplt)	2
	614025	Cutter housing, (cntr, cmplt)	1
75	603001	Rod, deck support	2
76	806332	Roll pin, 1/4 x 1-1/2	2
77	603620	Bracket, spring anchor	1
78✧	603805	Idler	1
79✧	513791	Bushing	1
80✧	603494	Spacer	1
81	603414	Spring, extension	1

‡ Requires installation of Micro-Mulch accessory for proper mulching.

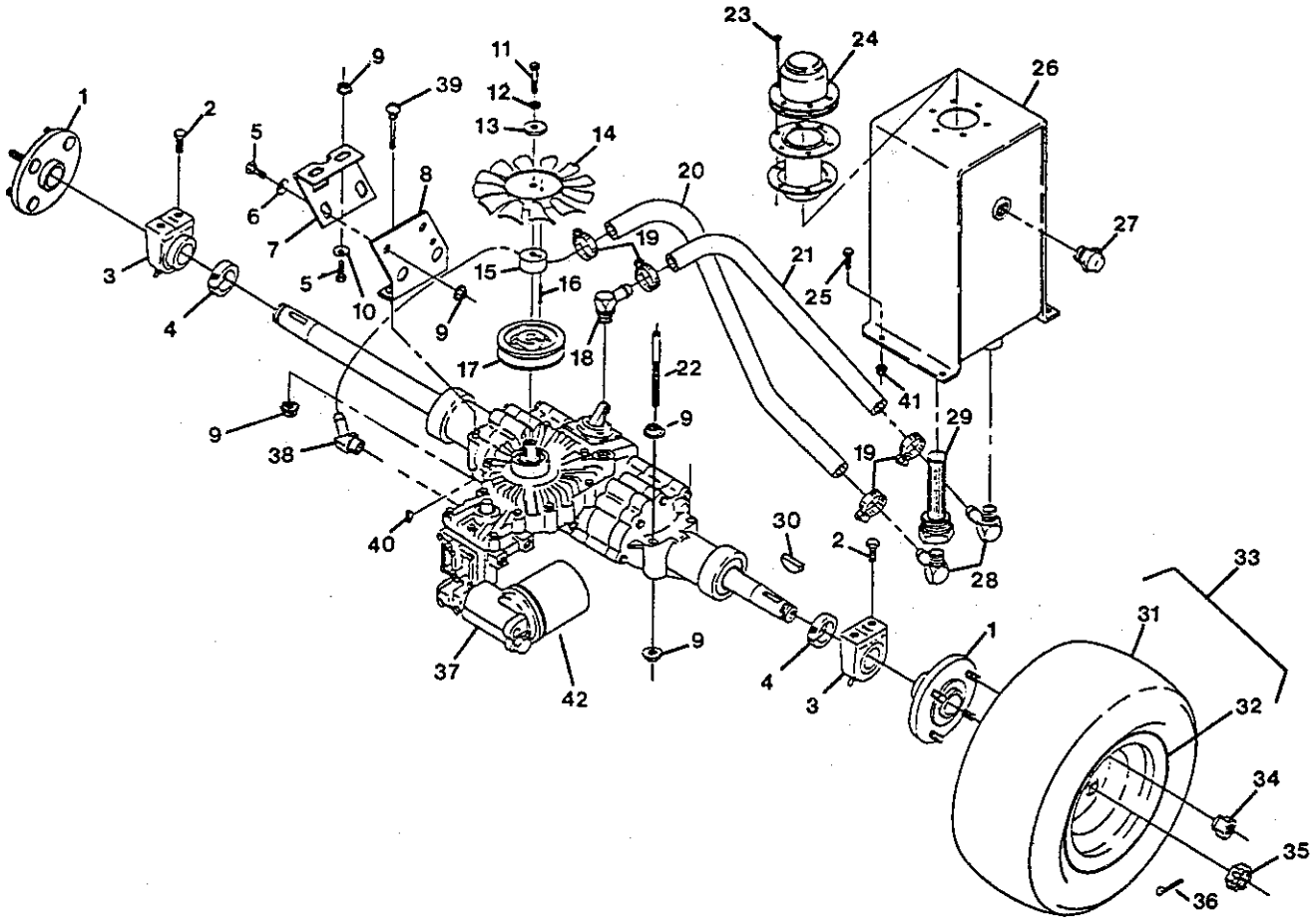
✧ These parts are available in an Idler Pulley Kit (Part No. 601806). Each kit contains one item each of the referenced item number.

FLOW CONTROL BAFFLES 52" & 60"



Ref. No.	Part No.	Description	Qty. Req'd.
1	632377	Baffle Weldment RH 52"	1
	632235	Baffle Weldment RH 60"	1
2	632375	Baffle Weldment LH 52"	1
	632237	Baffle Weldment LH 60"	1
3	809012	Nut, 1/4-20 WhizlocK	1
4	807512	Bolt, 1/4-20x3/4 Carriage	1
5	800270	Screw, 5/16-18x5/8 (52" deck)	2
6	809001	Nut, 5/16-18 Whizlock	7

AXLE and HYDRAULICS

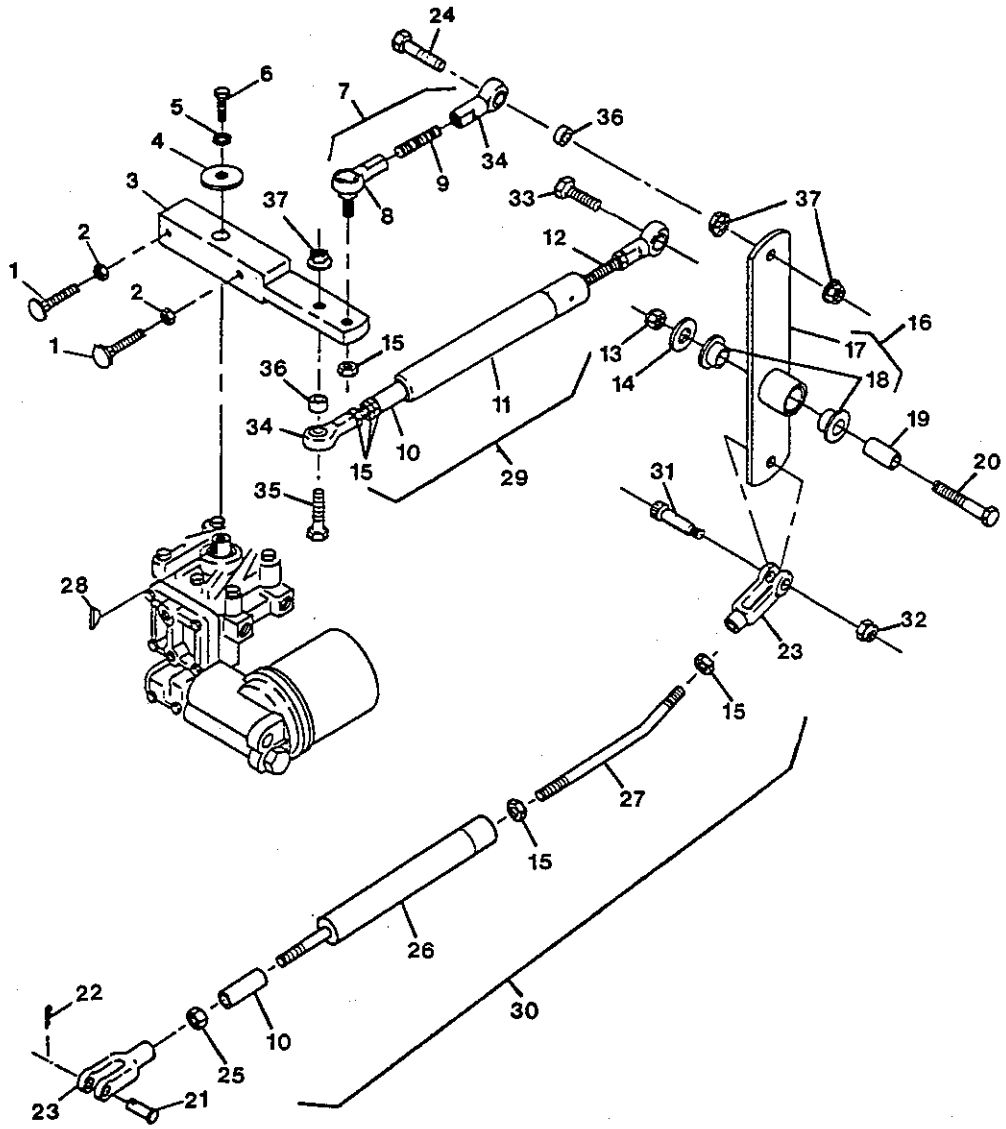


Ref. No.	Part No.	Description	Qty. Req'd.
1*	602997	Hub, wheel (tapered)	2
2	803045	Screw, whizlock 3/8-16 x 3/4	4
3*	543485	Bearing, pillow base	2
ƒ	840022	Pro-Lock, Nut Type (.5cc Tube) Use on Setscrews in Bearings.	
4*	373021	Clamp, collar (1")	2
5	800290	Capscrew, 3/8-16 x 3/4	4
6	303327	Washer, disc spring 3/8	2
7	543996	Stabilizer, axle (upper)	1
8	543476	Stabilizer, (axle lower)	1
9	809007	Nut, whizlock 3/8-16	10
10	805260	Washer, 3/8 stnd. Flat	2
11	800256	Capscrew, 1/4-20 x 1-1/2	1
12	805004	Lockwasher, 1/4 hvy. spring	1
13	503033	Washer, pulley retainer	1
14	543359	Fan, 7" OD/10 blade	1
15	543317	Spacer, fan	1
16	806328	Rollpin, 7/32 x 7/8	1
17	543928	Pulley, cast iron	1
18	543887	Elbow, 90°	1
ƒ	603919	O-Ring	1
19	543892	Hose Clamp	4
20	543930	Hose, 17.25 Push Lok	1
21	543931	Hose, 8.0 Push Lok	1
22	543054	Pin, guide	2
23	802002	Screw, 10-32 x 1/2 thrd cttng.	6
24	543541	Breather, filler & cap	1
25	800271	Capscrew, 5/16-18 x 3/4	1
26	542913	Tank, hydraulic	1
27	543894	Oil Eye, hyd tank	1
28	543889	Elbow, 90°	2
29	543864	Suction strainer	1
30	807018	Key, woodruff 1 1/4 x 5/16	2
31	543680	Tire, 20 x 10-8	2
32	513042	Rim	2
33	543396	Tire and wheel assy	2
34	513011	Nut, wheel 1/2-20	8
35	803040	Nut, slotted 3/4-16	2
36	806800	Pin, cotter, 9/64 x 1-1/2	2
37	543055	Transaxle 851-114 Series	1
38	543888	Elbow, 45°	1
ƒ	603919	0-Ring	1
39	807525	Bolt, 3/8-16 x 2-3/4 carriage	2
ƒ	840022	Pro-Lock, Nut Type (.5cc Tube) Use on Threads	
40	807006	Key, woodruff 3/8 x 5/16	1
41	809001	Nut, whizlock 5/16-18	4
42	513211	Oil filter element	1

* Apply Anti-Seize compound to bore.

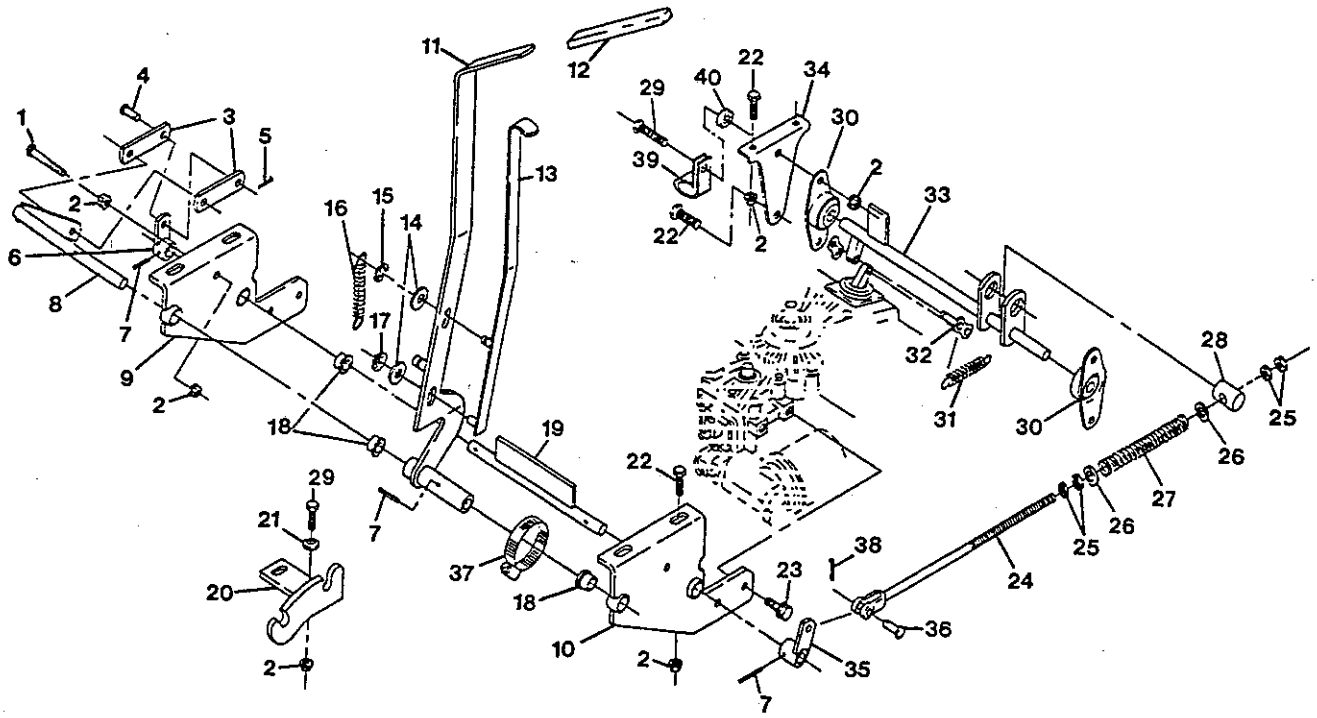
ƒ Not Illustrated.

MOTION CONTROLS



Ref. No.	Part No.	Description	Qty. Req'd.
1	807522	Bolt, carriage 5/16-18 x 2	2
2	804506	Nut, 5/16-18	2
3	542916	Arm, transaxle	1
4	503033	Washer, pulley retainer	1
5	805004	Washer, lock 1/4 hvy spring	1
6	800751	Capscrew, 1/4-20 x 1-1/2	1
7	544722	Linkage, motion control	1
8	513132	Joint, ball	1
9	543710	Rod, end	1
10	513479	Bushing, spring guide	2
11	542724	Centering spring wldmnt	1
12	543148	Rod, end	1
13	804256	Nut, nylock 5/16-18	1
14	805258	Washer, 5/16 stnd. flat	1
15	804758	Nut, jam 5/16-24 (RH)	13
16	544711	Idler linkage S/A	1
17	542144	Linkage, idler	1
18	513140	Bearing, control	2
19	543486	Bushing	1
20	800279	Capscrew, 5/16-18 x 2-1/2	1
21	808280	Pin, clevis 5/16 x 1	1
22	806753	Pin, cotter 3/32 x 1/2	1
23	303105	Yoke, adjustable	2
24	800275	Capscrew, 5/16-18 x 1-1/2	1
25	804521	Nut, 5/16-24	1
26	512136	Housing, override	1
27	543052	Rod, link	1
28	807002	Key, woodruff #3, 1/8 x 1/2	1
29	542725	Spring assy, pedal (center)	1
30	542053	Spring, pedal (override)	1
31	809057	Screw, 5/16 x 3/4 sckt hd shld	1
32	804255	Nut, nylock 1/4-20	1
33	800513	Capscrew, 5/16-24 x 1	1
34	543017	Ball joint	3
35	800274	Capscrew, 5/16-18 x 1-1/4	1
36	603500	Spacer	2
37	809001	Nut, whizlock 5/16-18	3

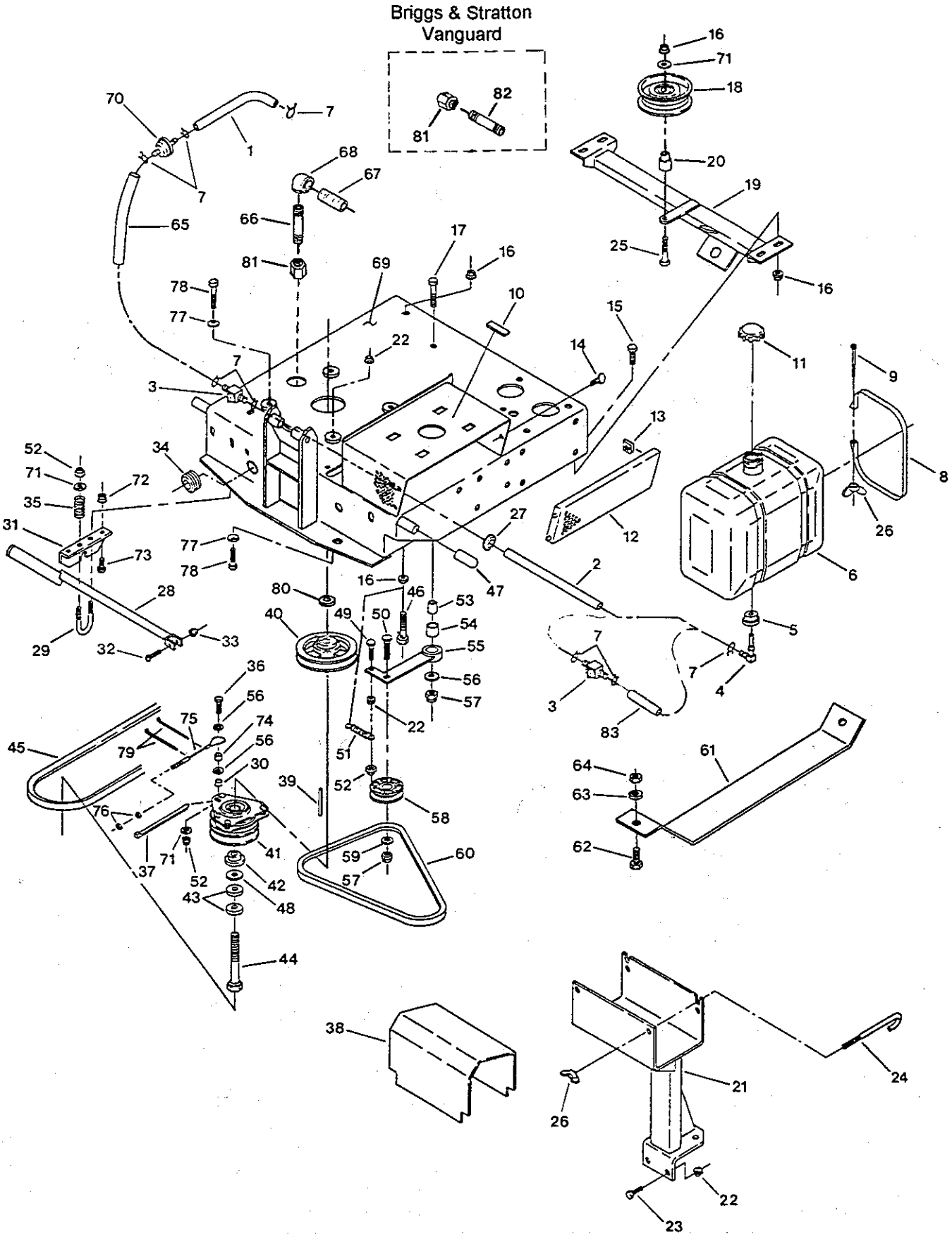
PARKING BRAKE



Ref. No.	Part No.	Description	Qty. Req'd.
1	800278	Capscrew, 5/16-18 x 2-1/4	1
2	809001	Nut, whizlock, 5/16-18	13
3	543115	Link, brake	2
4	808278	Pin, clevis 5/16 x 3/4	2
5	806761	Pin, cotter 1/8 x 3/4	2
6	542123	Arm, butterfly control	1
7	806328	Roll pin, 7/32 x 7/8	3
8	542190	Pivot wldmt, brake lever	1
9	542924	Support, transmission (LH)	1
10	542926	Support, transmission (RH)	1
11	542192	Handle, brake	1
12	303020	Grip (adjustment lever)	1
13	542719	Trigger, brake	1
14	805257	Washer, 5/16	2
15	808512	E Ring	1
16	513468	Spring, brake handle	1
17	543798	Pushnut, 5/16	1
18	513140	Bearing controL	4
19	542125	Butterfly	1
20	542900	Quadrant, brake	1

Ref. No.	Part No.	Description	Qty. Req'd.
21	303334	Washer, disc 5/16	2
22	800271	Capscrew, 5/16-18 x 3/4	9
23	803032	Bolt, whizlock 5/16-18 x 3/4	4
24	543721	Linkage, brake	1
25	804760	Nut, jam 3/8-24 pltd	4
26	805260	Washer, 3/8	2
27	543132	Spring, brake protect	1
28	543129	Pin, trunion	1
29	800273	Capscrew, 5/16-18 x 1	2
30	543514	Flange mntg (side)	2
31	543543	Spring, 3 x 1/2	1
32	543745	Link, connector #60	1
33	542748	Jackshaft, brake	1
34	543138	Mount, jackshaft bearing	1
35	542121	Arm, brake control	1
36	808280	Pin, clevis, 5/16 x 1	1
37	543892	Clamp, hose	1
38	806753	Pin, clevis 3/32 x 1/2	1
39	213148	Clamp	1
40	543007	Spacer	1

ENGINE DECK GROUP



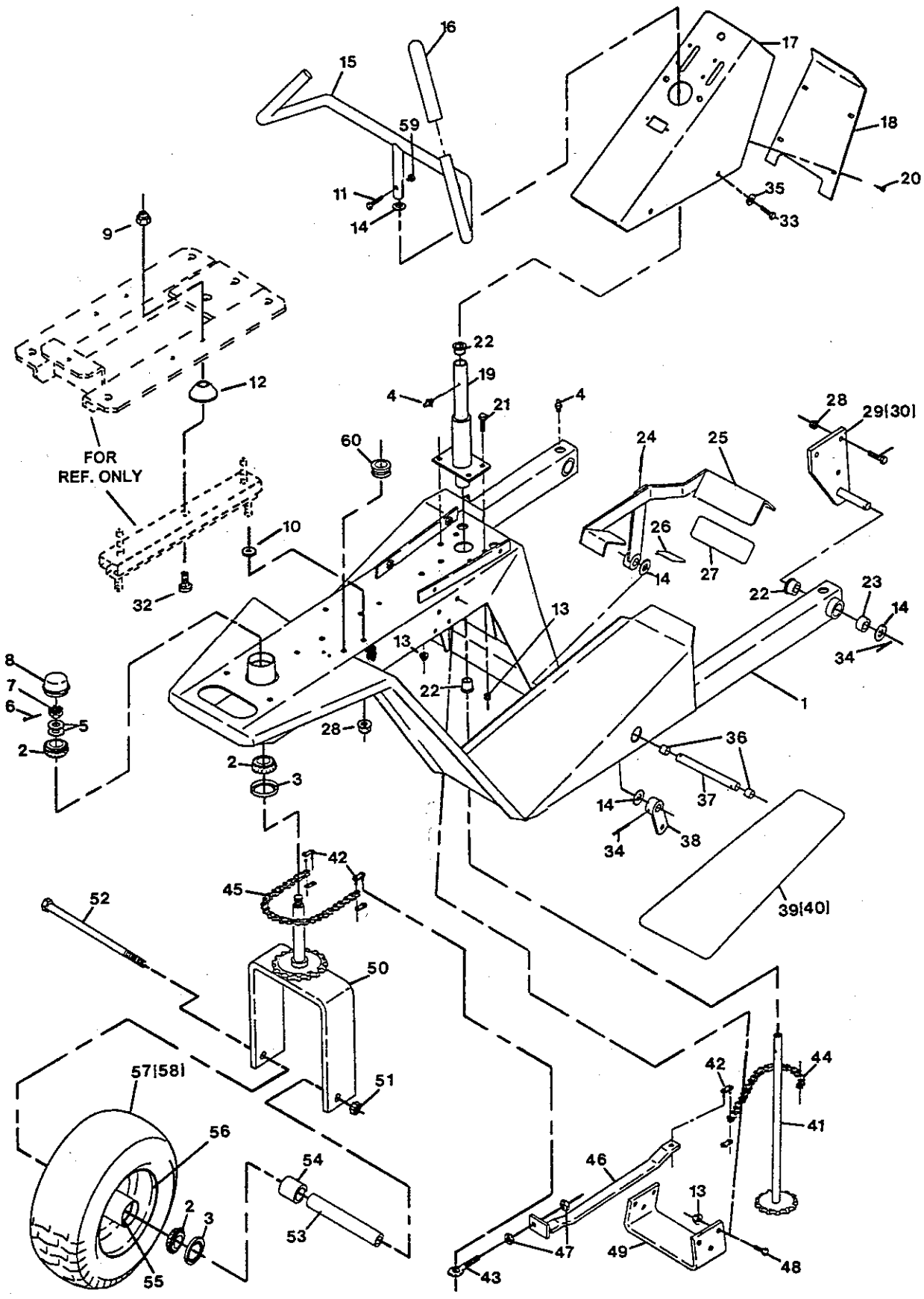
ENGINE DECK GROUP

Ref. No.	Part No.	Description	Qty. Req'd.
1	513581	Fuel line, 18" (Kohler)	1
2	303306	Fuel line, 10"	1
3	603770	Valve, fuel line	1
4	543277	Elbow, fuel tank w/screen	1
5	513645	Bushing, fuel valve	1
6	543364	Tank, gas	1
7	303077	Clamp, gas line (Kohler)	6
	.....	Clamp, gas line (Vanguard)	4
8	303465	Strap, fuel tank	2
9	801062	Screw, 1/4-20 x 2-1/2	2
10	303315	Gas tank pad	2
11	513508	Cap, fuel tank	1
12	542045	Screen, air intake	1
13	809024	Nut, retainer 1/4-20	1
14	543791	Screw, thumb 1/4-20 x 3/4	1
15	800290	Capscrew, 3/8-16 x 3/4	4
16	809007	Nut, flange 3/8-16	7
17	800296	Capscrew, 3/8-16 x 2	1
18	543877	Pulley, idler 5 3/4 OD	1
19	542958	Cross member	1
20	543879	Bushing, idler	1
21	542069	Mount, battery	1
22	809001	Nut, whizlock 5/16-18	9
23	800271	Capscrew, 5/16-18 x 3/4	4
24	543882	Bolt, hold down	2
25	800297	Capscrew, 3/8-16 x 2-1/4	1
26	543792	Wingnut, nylock 1/4	4
27	543296	Grommet, fuel line	1
28	542948	Lever, drive release	1
29	543935	U-Bolt, 5/16-18	1
30	543007	Spacer, clutch anchor	1
31	543933	Bracket, neutral lever	1
32	800262	Screw, 1/4-20 x 1-3/8	1
33	804255	Nut, nylock 1/4-20	1
34	543286	Grommet	1
35	303160	Compression spring	2
36	800275	Capscrew, 5/16-18 x 1-1/2	1
37	303335	Plastic tie, large	1
38	543891	Battery cover	1
39	807259	Key, 1/4 x 1/4 x 1	1
40	543929	Pulley, engine	1
41✧	542322	Clutch, electric (Warner)	1
42	603609	Bushing, clutch keeper	1
43	603610	Washer, spring disc 7/16	2
44	800820	Capscrew, 7/16-20 x 3	1
	.....	(18 HP & 22 HP Kohler only)	
	800821	Capscrew, 7/16-20 x 3-1/2	1
	.....	(20 HP Vanguard only)	
	840022	Pro-Lock, Nut type (.5 ml Tube)	
45	303080	Belt, deck drive (60" Deck)	1
	543749	Belt, deck drive (52" Deck)	1
46	800295	Capscrew, 3/8-16 x 1-3/4	1
47	303021	Grip (drive lever)	2
48	373034	Washer, pivot	1
49	807518	Bolt, carriage 5/16-18 x 1-1/4.	1
50	807517	Bolt, carriage 3/8-16 x 1-3/4	1
51	513170	Spring	1
52	804256	Nut, nylock 5/16-18	4
53	543274	Bushing, steel	1
54	543502	Bushing, bronze	1
55	542270	Arm, hyd drive idler	1
56	213069	Strut, adjustment spacer	3
57	804257	Nut, nylock 3/8-16	2
58	543008	Pulley, idler (steel)	1
59	805259	Washer, 3/8 SAE	1
60	543548	Belt, "A" (transmission drive)	1
61	543258	Plate, skid	1
62	800326	Capscrew, 1/2-13 x 1.25	2
63	805008	Washer, 1/2	2
64	804509	Nut, 1/2-13	2
65	543649	Fuel line, 7" (Kohler)	1
66	303427	Nipple, 3/8 NPT x 2.5	1
67*	543064	Nipple, 3/8 NPT x 1.5 (Koh)	1
68*	303428	Elbow, 3/8 NPT (Kohler)	1
69	542268	Deck, engine	1
70	303197	Gas filter (Kohler)	1
71	805258	Washer, 5/16	4
72	809012	Nut, whizlock 1/4-20	2
73	800251	Capscrew, 1/4-20 x 5/8	2
74	323093	Spacer	1
75	542046	Cable assembly	1
76	804255	Nut, nylock 1/4-20	3
77	303334	Washer, disc spring 5/16	4
78	800276	Capscrew, 5/16-18 x 1-3/4	4
79	303287	Plastic tie, small	2
80	543214	Spacer, crankshaft	1
81	543233	Cap, 3/8 NPT hex	1
82	543232	Nipple, 3/8 NPT x 4 (Vanguard)	1
83	303307	Fuel line, 4" (Vanguard)	1

* Use Teflon Pipe Sealant or equivalent on threads.

✧ Replace electric clutch with Clutch Kit, Part No. 541353. This kit includes the new Warner clutch and the necessary parts to install this kit to your unit.

RIDER FRAME and STEERING

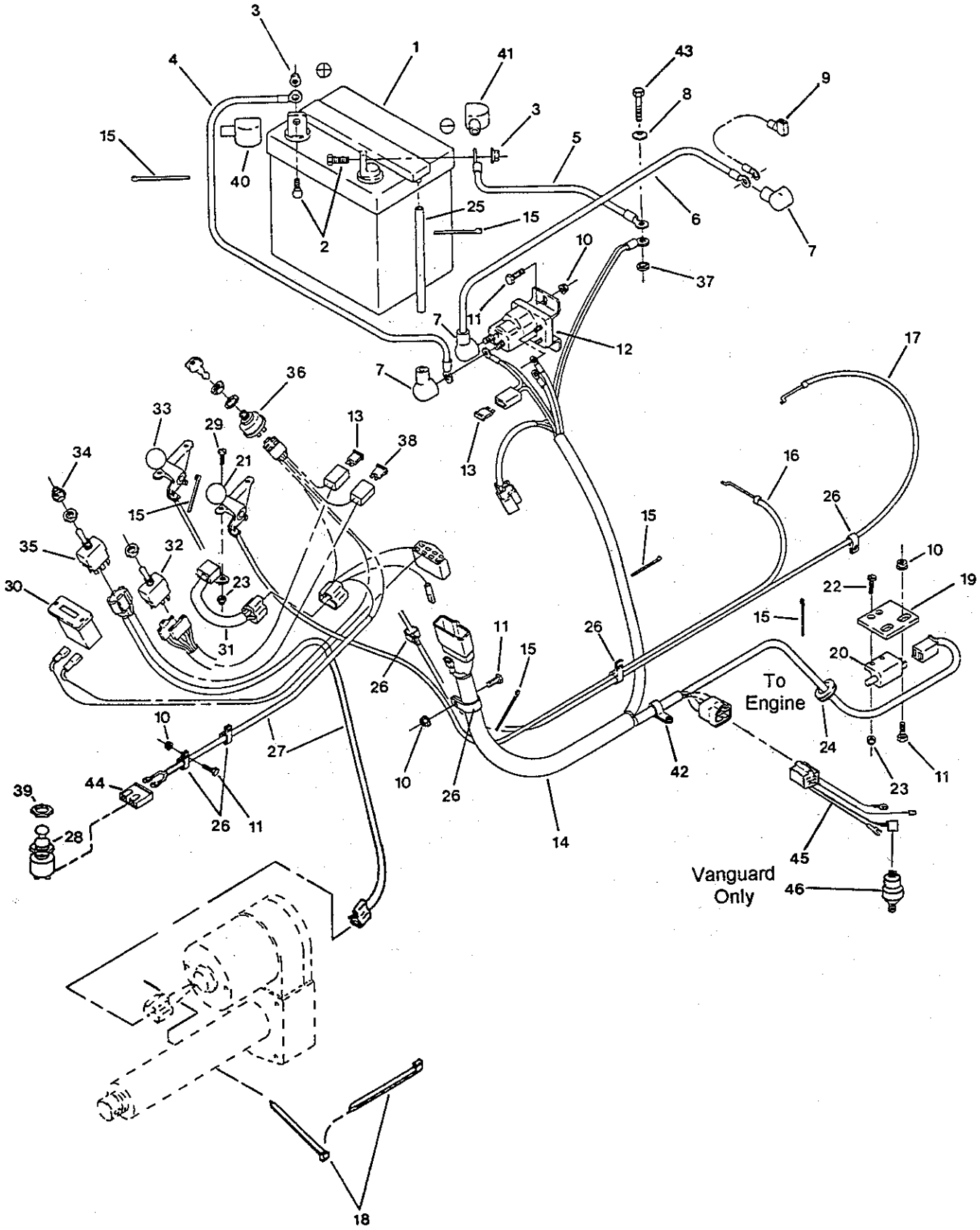


RIDER FRAME and STEERING

Ref. No.	Part No.	Description	Qty. Req'd.
1	542920	Frame, rider	1
2	543509	Bearing, tapered roller	4
3	543511	Seal, grease	3
4	811006	Zerk, 1/4-28 (straight)	3
5	805269	Washer, 3/4	2
6	806770	Pin, cotter 5/32 x 1.25	1
7	803040	Nut, slotted 3/4-16	1
8	543513	Cap, grease	1
9	804256	Nut, nylock 5/16-18	2
10	805258	Washer, 5/16	2
11	800294	Capscrew, 3/8-16 x 1-1/2	1
12	543401	Spacer, seat track	2
13	809007	Nut, flange 3/8-16	11
14	303007	Washer, 6" caster pivot	5
15	542428	Handle bar	1
16	543575	Grip, handle bar	2
17	543978	Console	1
18	543482	Cover, console	1
19	542728	Steering post	1
20	802006	Screw, 10-24 x 1/2	4
21	800290	Capscrew, 3/8-16 x 3/4	4
22	303199	Bushing, 6" caster flange	4
23	303200	Sleeve, 6" caster	2
24	806331	Roll Pin, 1/4 x 1-1/4	2
25	542183	Pedal, foot	1
26	543161	Pad, reverse control pedal	1
27	543160	Pad, forward control pedal	1
28	809001	Nut, whizlock 5/16-18	13
29	542196	Bracket, pivot (RH)	1
30*f*	542194	Bracket, pivot (LH)	1
31	800273	Capscrew, 5/16-18 x 1	5
32	801070	Screw, 5/16-18 x 3/4 CR	2
33	800251	Capscrew, 1/4-20 x 5/8	4
34	806332	Rollpin, 1/4 x 1-1/2	2
35	805255	Washer, 1/4	4
36	513588	Bearing, DU	2
37	543172	Shaft, foot pedal	1
38	542140	Lever, foot pedal	1
39	543159	Pad, rider anti-skid (R)	1
40*f*	543158	Pad, rider anti-skid (L)	1
41	542850	Shaft, steering	1
42	543573	Link, connector #40	4
43	543579	Eyebolt, 5/16-18	2
44	543885	Chain, #40-29 Pitch	1
45	543886	Chain, #40-33 Pitch	1
46	542870	Link	2
47	804751	Nut, jam 5/16-18	4
48	800292	Capscrew, 3/8-16 x 1	6
49	553007	Stop, actuator	1
50	542872	Mount, steering wheel	1
51	803042	Nut, torque 5/8-11	1
52	800346	Capscrew, 5/8-11 x 10-1/2	1
53	543552	Bushing, wheel	1
54	543556	Spacer, wheel (short)	2
55	543508	Bearing, cup	2
56	543674	Rim	1
57	543397	Tire/whl assy, 18.0 x 6.50-8	1
58	543679	Tire, 18 x 6.50-8	1
59	804257	Nut, nylock 3/8-16	1
60	543296	Grommet	1

f Not Illustrated.

ELECTRICAL GROUP



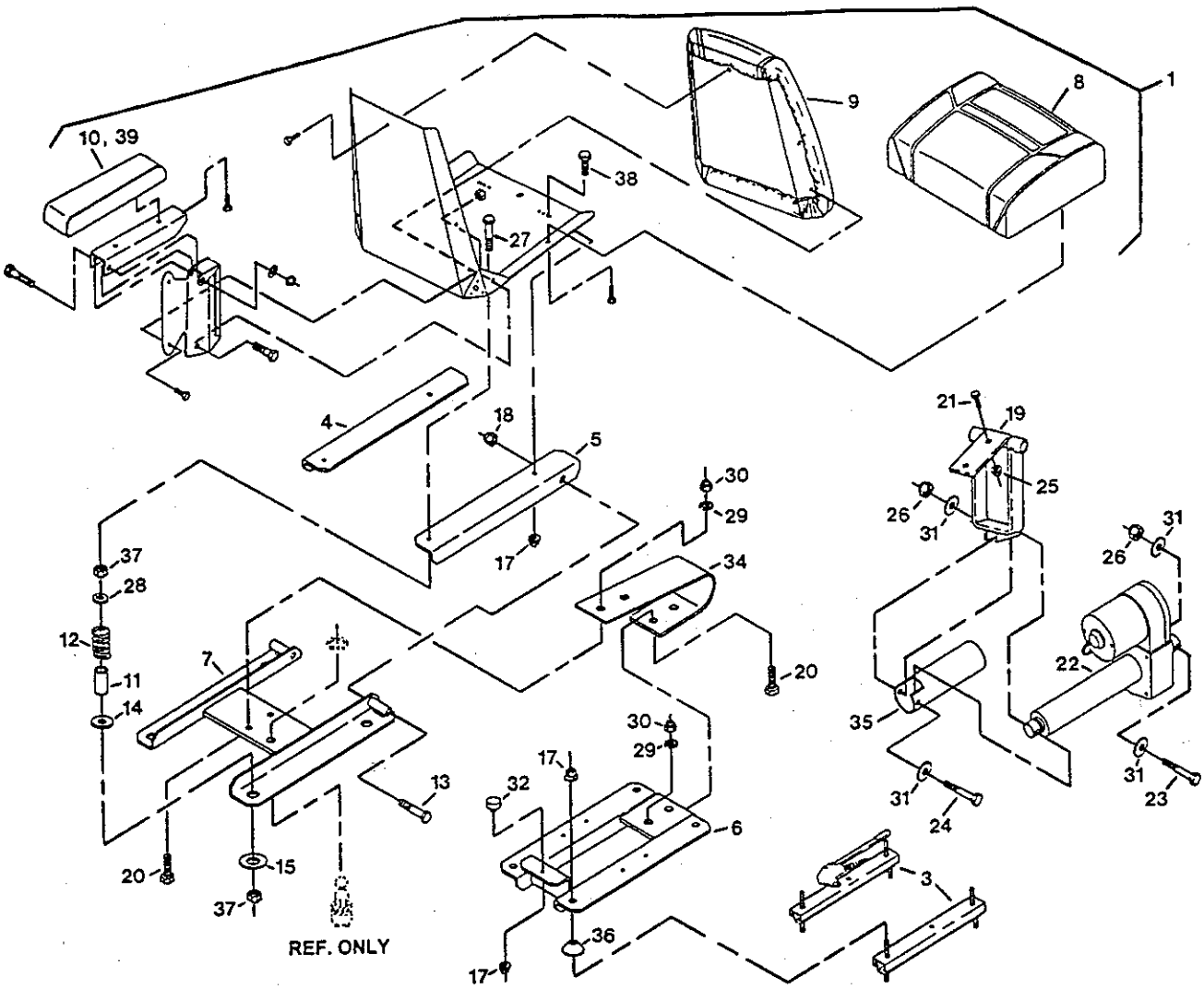
ELECTRICAL GROUP

Ref. No.	Part No.	Description	Qty. Req'd.
1	603479	Battery, 12 volt	1
2	800271	Capscrew, 5/16-18 x 3/4	2
3	809001	Nut, whizlock 5/16-18	2
4	513053	Wire, battery (pos. +)	1
5	543767	Wire, ground (-)	1
6	543766	Wire, starter (Kohler)	1
	513582	Wire, starter (B&S Vanguard)	1
7	543393	Insulator, solenoid (pos. +)	3
8	303334	Washer, disc spring 5/16	1
9	543084	Wire, starter solenoid (Koh)	1
10	809012	Nut, whizlock 1/4-20	10
11	800251	Capscrew, 1/4-20 x 5/8	10
12	513075	Switch, 12 volt solenoid	1
13	816001	Fuse, blade 20 AMP	2
14	543065	Harness, wire (engine)	1
15	303287	Plastic tie, (small)	6
16	543697	Cable, throttle	1
17	543072	Cable, choke	1
18	303335	Plastic tie, (large)	2
19	323128	Bracket, safety switch	1
20	513051	Switch, neutral lockout	1
21	513592	Knob, red ball	1
22	803017	Screw, 10-24 x 5/8 ctr	2
23	804252	Nut, nylock 10-24	6
24	543296	Grommet	1
25	809040	Hose, battery manifold (23")	1
26	513762	Clip, 1/2" Loom	6
27	543403	Harness, wire (rider)	1
28	603760	Switch, seat safety	1
29	807527	Bolt, carriage. 10-24 x 3/4	4
30	513374	Meter, engine hours	1
31	543316	Module, safety interlock	1
32	543018	Switch, toggle w/clip term	1
33	513593	Knob, black ball	1
34	543386	Boot, toggle switch	1
35	543385	Switch, toggle DPDT	1
36	543070	Ignition switch	1
	603511	Ignition key	2
37	805506	Washer, lock 5/16 (internal tooth)	1
38	816003	Fuse, blade 30 AMP	1
39	543348	Nut, 5/8-32 (seat switch)	1
40	543391	Insulator, battery positive	1
41	543390	Insulator, battery negative	1
42	603727	Clip, 9/16 Loom	1
43▽	800276	Capscrew, 5/16-18 x 1-3/4	1
44	543335	Connector, Packard 2-way	1
45	543225	Harness, eng Adptr (Vanguard)	1
46	603645	Switch, oil pressure (Vanguard)	1

▽ This screw is shown in it's proper location on the engine deck illustration (Page 10).

NOTE: Apply dielectric grease to all electrical connectors.

SEAT ASSEMBLY and LIFT ACTUATOR

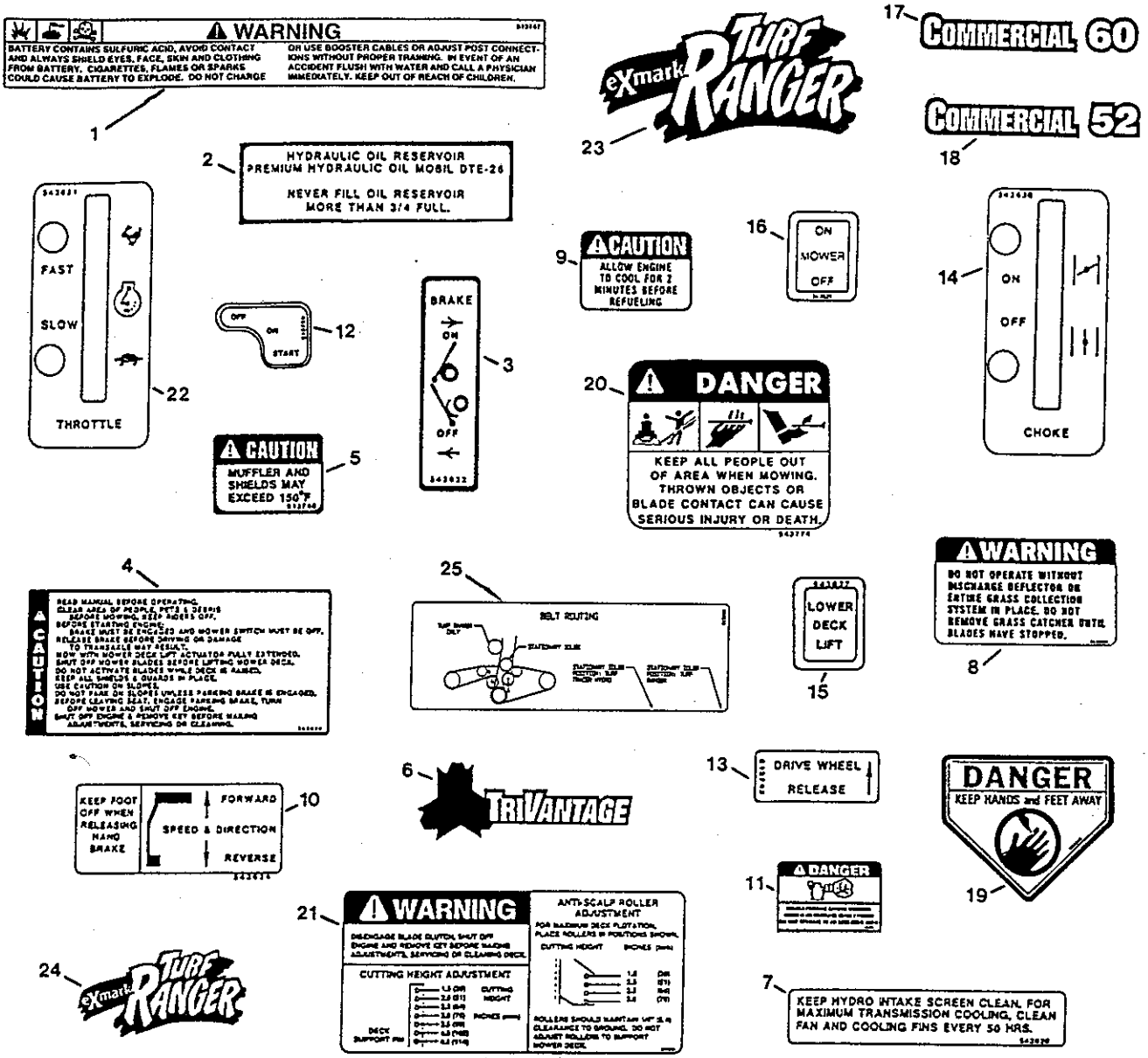


Ref. No.	Part No.	Description	Qty. Req'd.
1	633461	Seat complete /w armrests	1
2	543406	Kit, armrest	1
3	543357	Seat track, adjustable (6")	1
4	543319	Rail, seat (LH)	1
5	543321	Rail, seat (RH)	1
6	542307	Base rail, seat	1
7	542315	Seat rail wldmnt	1
8	543407	Cushion, seat	1
9	543408	Cushion, back rest	1
10	543409	Pad, arm rest (RH)	1
11	513479	Bushing, spring guide	2
12	513296	Spring	2
13	800338	Screw, 1/2-13 x 3 1/4	2
14	805264	Washer, 1/2	2
15	213069	Strut, adjustment spacer	2
16	603760	Switch, seat safety	1
17◊	809001	Nut, whizlock 5/16-18	9
18	804265	Nut, nylock 1/2-13	2
19	542283	Pivot wldmnt, actuator	1
20	800326	Screw, 1/2-13 x 1 1/4	4

Ref. No.	Part No.	Description	Qty. Req'd.
21	800290	Screw, 3/8-16 x 3/4	2
22	543241	Actuator, linear	1
23	800825	Screw, 7/16-20 x 5	1
24	800820	Screw, 7/16-20 x 3	1
25	809007	Nut, flange 3/8-16	2
26	804263	Nut, nylock 7/16-20	2
27	800015	Tap bolt, 5/16-18 x 2 1/2	2
28	805258	Washer, 5/16	2
29	805008	Washer, lock 1/2	4
30	804509	Nut, nylock 1/2-13	4
31	805261	Washer, 7/16	4
32	543963	Bumper, rubber	1
33	543348	Nut, 5/8-32	1
34	543356	Spring, seat (TR)	1
35	543834	Guard, actuator	1
36◊	543401	Spacer, track	4
37	804506	Nut, 5/16-18	2
38	800271	Screw, 5/16-18 x 3/4	2
39	543411	Pad, arm rest (LH)	1

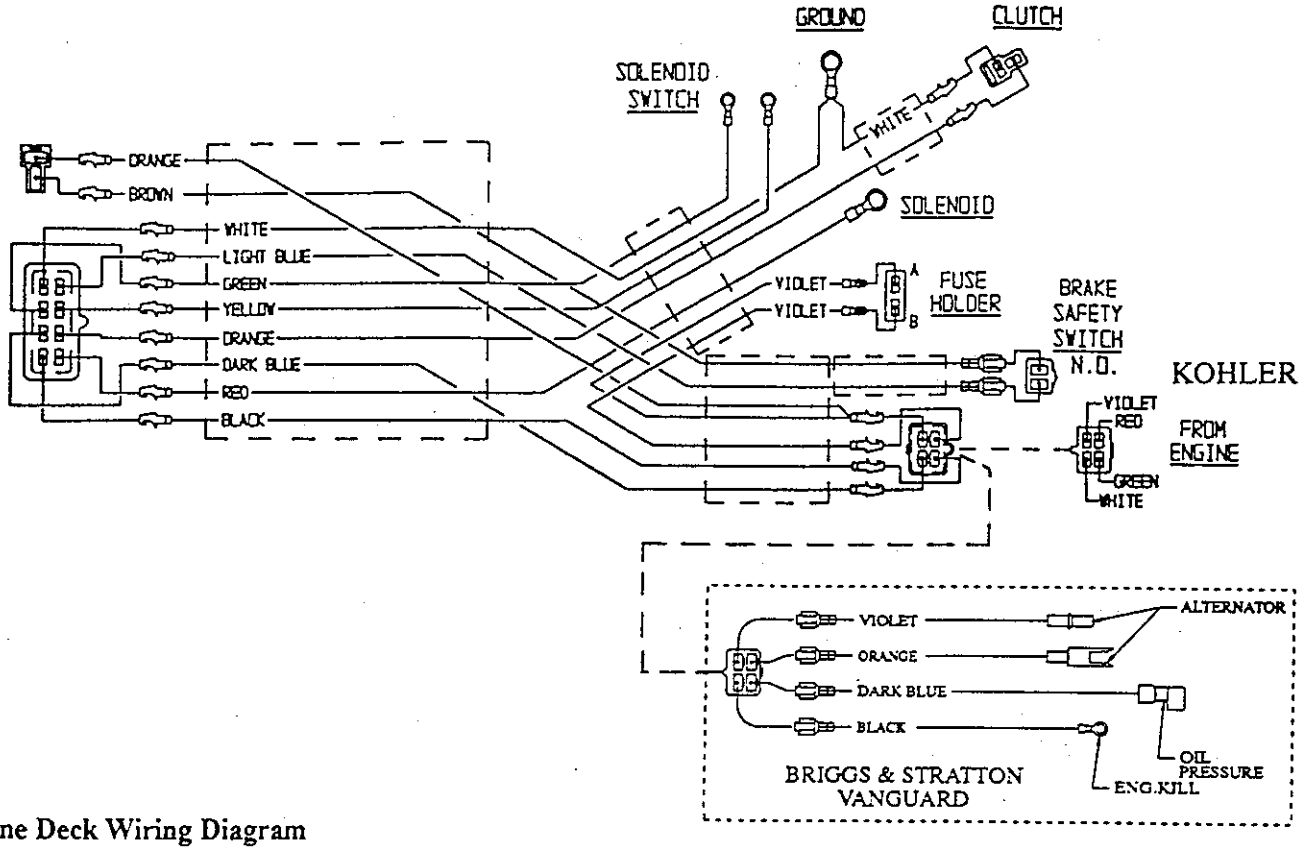
◊ This hardware (4 ea.) comes with the seat track, see Page 9 for additional track mounting hardware.

DECALS



Ref. No.	Part No.	Description	Qty. Req'd.
1	513747	Decal, Battery	1
2	543949	Decal, Hydraulic Tank	1
3	543622	Decal, Brake Lever	1
4	543628	Decal, Instructional	1
5	513746	Decal, Muffler	1
6	303520	Decal, Tri-Vantage	1
7	543620	Decal, Intake	1
8	303508	Decal, Discharge Warning	1
9	303293	Decal, 2 Minute Warning	1
10	543624	Decal, Foot Pedal	1
11	303481	Decal, Carbon Monoxide	1
12	513739	Ignition Decal	1
13	513743	Decal, Release	1
14	543630	Decal, Choke	1
15	543627	Decal, Deck Lift	1
16	543626	Decal, Mower Switch	1
17	613050	Decal, Commercial 60"	1
18	403132	Decal, Commercial 52"	1
19	403005	Danger Label	2
20	543774	Decal, Danger	1
21	543660	Decal, Mower Deck	1
22	543631	Decal, Throttle	1
23	543293	Decal, Turf Ranger "Swash" (large)	2
24	543349	Decal, Turf Ranger "Swash" (small)	2
25	613100	Decal, belt routing	1

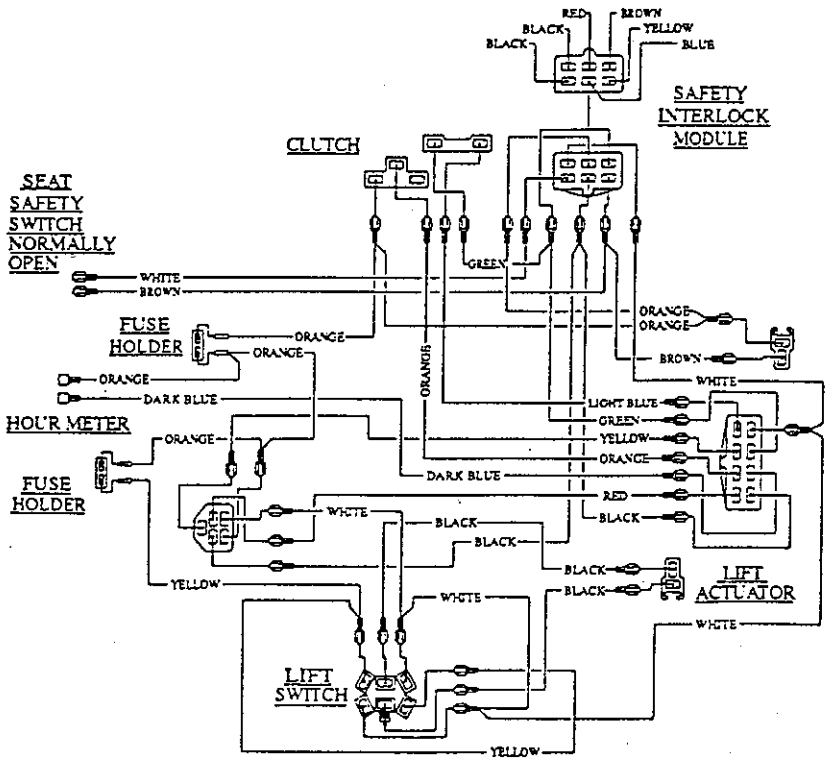
ELECTRICAL DIAGRAM



Engine Deck Wiring Diagram

Note: All connectors are viewed from the wire input side of the connector.

N.O. = Normally Open



Console Wiring Diagram

Note: All connectors are viewed from the wire input side of the connector.

N.O. = Normally Open

SERVICE RECORD

Date	Description of Work Done	Service Done By

SERVICE RECORD

Date	Description of Work Done	Service Done By

NOTES

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