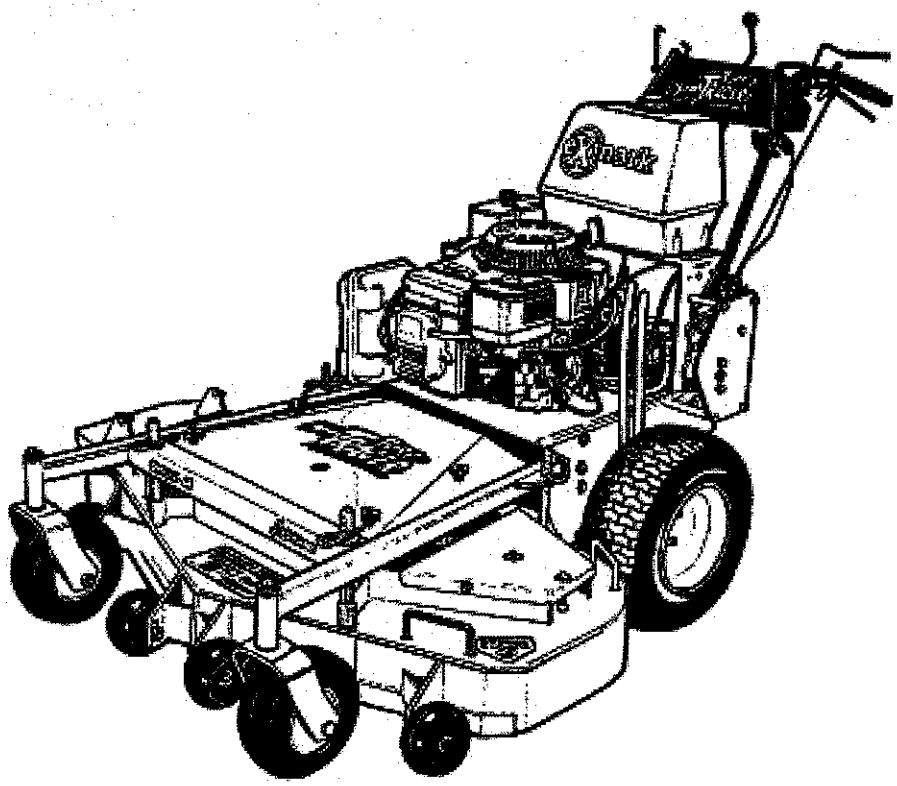
For Serial Nos.
190,000 & Higher

eXmark® MFG. CO. INC.



PARTS MANUAL

TURF TRACER® 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 top of the engine frame on the right hand side of the machine.

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. _____

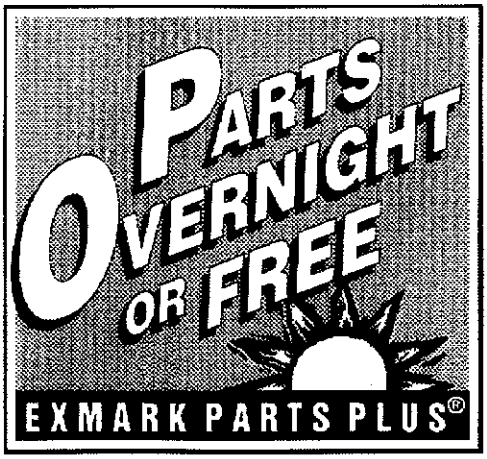
Engine Serial No. _____

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 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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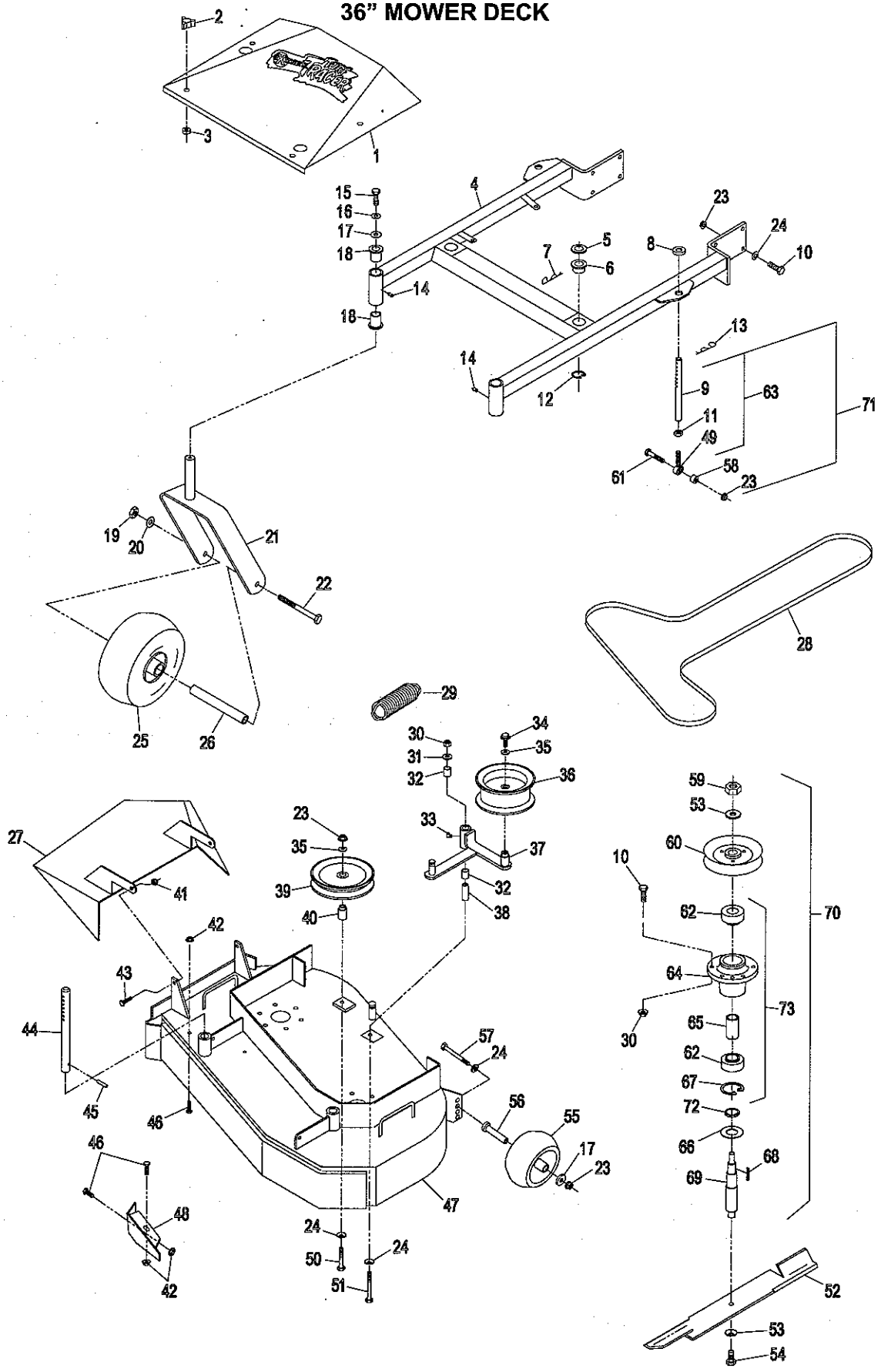
36" MOWER DECK

Ref. No.	Part No.	Description	Qty. Req'd.
1	414435	Shield, belt w/decals	1
	413098	Shield, belt	1
2	323385	Knob, belt shield	4
3	323417	Washer, belt cover	4
4	414309	Support weldmt w/bushings & decals	1
	412108	Support weldmt	1
5	413425	Spacer, Front Deck Support	2
6	513336	Bushing, deck support	2
7	806007	Hairpin, Cotter	2
8	303164	Spacer, Blade Drive	2
9	613203	Link, Deck Support	2
10	800293	Screw,Hex Cap 3/8-16x1-1/4	20
11	804525	Nut, Reg Hex 3/8-24	2
12	808507	Ring, Retaining	2
13	806006	Hairpin, Cotter	2
14	811001	Zerk, straight 1/8	2
15	800292	Screw, Hex Cap 3/8-16x1	2
16	805006	Washer, 3/8 heavy spring	2
17	373034	Washer, Swivel	3
18	303514	Bearing, Flange	4
19	804509	Nut, Reg Hex 1/2-13	2
20	805008	Washer, Lock Hlcl Spg 1/2 Reg	2
21	522143	Caster weldmt	2
22	800334	Screw, Hex Cap 1/2-13x6	2
23	809007	Nut, Whizlock 3/8-16	12
24	303327	Washer, Disc Spring 3/8	11
25	513648	Tire & Wheel Assembly	2
	513807	Wheel & Hub	2
	513808	Tire, 9x3.50-4 4-ply	2
	513809	Roller Bearing	2
	513810	Bushing	4
26	513547	Spacer	2
27	412238	Chute weldmt, discharge	1
28	413094	Belt, deck drive	1
29	633151	Spring, extension	1
30	804257	Nut, Nyloc 3/8-16	13
31	805260	Washer, Flat Std 3/8	1
32	513034	Pivot, Bearing	2
33	811008	Zerk, 90 degree 1/4-28	1
34	803016	Bolt, Hex Whizlock 3/8-16x1	1
35	805259	Washer, Flat 3/8 SAE	2
36	413099	Pulley, Idler	1

Ref. No.	Part No.	Description	Qty. Req'd.
37	412134	Arm, weldmt	1
	414144	Arm, Weldmt w/bushings	1
38	603384	Bushing, Idler Pivot	1
39	613098	Pulley, Idler	1
40	413113	Bushing, Idler	1
41	804256	Nut, Nylock 5/16-18	2
42	809001	Nut, Whizlock 5/16-18	3
43	800273	Screw, Hex Cap 5/16-18x1	2
44	603001	Rod, Deck Support	2
45	806332	Rollpin, 1/4x1-1/2	2
46	800270	Screw, Hex Cap 5/16-18x5/8	3
47	414383	Deck weldmt w/decals, discharge baffle & support rods	1
	412104	Deck weldmt	1
48	522480	Baffle, discharge	1
49	613204	Ball Joint	2
50	800299	Screw, Hex Cap 3/8-16x2-3/4	1
51	800805	Screw, Hex Cap 3/8-16x3-1/2 G8	1
52	633482	Blade, 18.00 notched air foil	2
	613251	Blade, 18.00 solid air foil	2
	● 633484	Blade, 18.00 mulching	2
	633485	Blade, 18.00 low lift (optional)	2
53	513208	Washer, Spring disc	4
54	800340	Screw, Hex Cap 5/8-11x1	2
55	603299	Roller, antiscalp	1
56	603602	Bushing, roller	1
57	800807	Screw, Hex Cap 3/8-16x4 G8	1
58	603050	Bushing Spacer	2
59	804510	Nut, Reg Hex 5/8-18	2
60	413424	Sheave w/Hub	2
61	800295	Screw, Hex Cap 3/8-16x1-3/4	2
62	513016	Bearing	4
63	614213	Link, Assembly	2
64	323532	Housing, Spindle	2
65	323528	Spacer, Bearing	2
66	633573	Gaurd, Bearing-Bottom	2
67	808502	Ring, Snap	2
68	807268	Key, machine	2
69	413330	Shaft, Spindle	2
70	414335	Housing, Cutter Assembly	2
71	611216	Kit, Link Assembly	2
72	323533	Spacer	2
73	634619	Housing w/Brgs, Spacer & Ring	2

● Requires installation of Micro-Mulch accessory for proper mulching. Mulch kit P/N MK363(36")
Exmark red touch up spray paint - P/N 850337

36" MOWER DECK



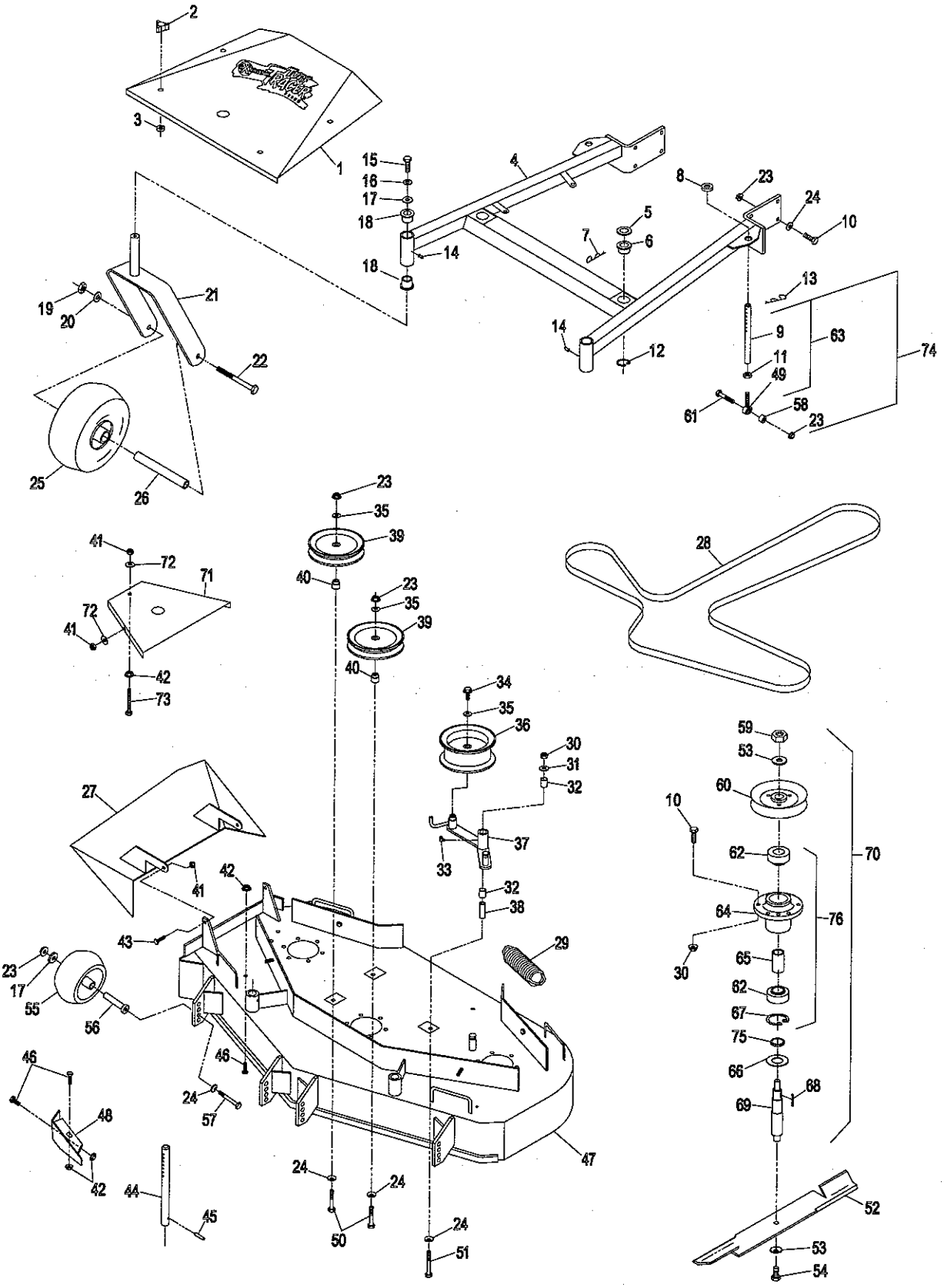
48" MOWER DECK

Ref. No.	Part No.	Description	Qty. Req'd.
1	414436	Shield, belt w/decals	1
	413101	Shield, belt	1
2	323385	Knob, belt shield	4
3	323417	Washer, belt cover	4
4	414310	Support weldmt w/bushings &decals	1
	412110	Support weldmt	1
5	413425	Spacer, Front Deck Support	2
6	513336	Bushing, deck support	2
7	806007	Hairpin, Cotter	2
8	303164	Spacer, Blade Drive	2
9	613203	Link, Deck Support	2
10	800293	Screw, Hex Cap 3/8-16x1-1/4	26
11	804525	Nut, Reg Hex 3/8-24	2
12	808507	Ring, Retaining	2
13	806006	Hairpin, Cotter	2
14	811001	Zerk, straight 1/8	2
15	800292	Screw, Hex Cap 3/8-16x1	2
16	805006	Washer, 3/8 heavy spring	2
17	373034	Washer, Swivel	6
18	303514	Bearing, Flange	4
19	804509	Nut, Reg Hex 1/2-13	2
20	805008	Washer, Lock Hcl Spg 1/2 Reg	2
21	522143	Caster weldmt	2
22	800334	Screw, Hex Cap 1/2-13x6	2
23	809007	Nut, Whizlock 3/8-16	16
24	303327	Washer, Disc Spring 3/8	15
25	513648	Tire & Wheel Assembly	2
	513807	Wheel & Hub	2
	513808	Tire, 9x3.50-4 4-ply	2
	513809	Roller Bearing	2
	513810	Bushing	4
26	513547	Spacer	2
27	522478	Chute weldmt, discharge	1
28	413093	Belt, deck drive	1
29	633151	Spring, extension	1
30	804257	Nut, Nyloc 3/8-16	19
31	805260	Washer, Flat Std 3/8	1
32	513034	Pivot, Bearing	2
33	811008	Zerk, 90 degree 1/4-28	1
34	803016	Bolt, Whizlock 3/8-16x1	1
35	805259	Washer, Flat 3/8 SAE	3
36	413099	Pulley, Idler	1
37	412394	Arm, weldmt	1
	414398	Arm, Weldmt w/bushings	1

Ref. No.	Part No.	Description	Qty. Req'd.
38	603384	Bushing, Idler Pivot	1
39	613098	Pulley, Idler	2
40	413113	Bushing, Idler	2
41	804256	Nut, Nylock 5/16-18	8
42	809001	Nut, Whizlock 5/16-18	5
43	800273	Screw, Hex Cap 5/16-18x1	2
44	603001	Rod, Deck Support	2
45	806332	Rollpin, 1/4x1-1/2	2
46	800270	Screw, Hex Cap 5/16-18x5/8	3
47	414384	Deck weldmt w/decals, discharge baffle & support rods	1
	412106	Deck weldmt	1
48	522480	Baffle, discharge	1
49	613204	Ball Joint	2
50	800299	Screw, Hex Cap 3/8-16x2-3/4	2
51	800805	Screw, Hex Cap G8 3/8-16x3-1/2	1
52	323515	Blade, 16.25 notched air foil	3
	413438	Blade, 16.25 solid air foil	3
	● 403148	Blade, 16.25 mulching	3
	403149	Blade, 16.25 low lift (optional)	3
53	513208	Washer, Spring disc	6
54	800340	Screw, Hex Cap 5/8-11x1	3
55	603299	Roller, antiscalp	4
56	603602	Bushing, roller	4
57	800807	Screw, Hex Cap G8 3/8-16x4	4
58	603050	Bushing Spacer	2
59	804510	Nut, Reg Hex 5/8-18	3
60	413424	Sheave w/Hub	3
61	800295	Screw, Hex Cap 3/8-16x1-3/4	2
62	513016	Bearing	6
63	614213	Link, Assembly	2
64	323532	Housing, Spindle	3
65	323528	Spacer, Bearing	3
66	633573	Gaurd, Bearing-Bottom	3
67	808502	Ring, Snap	3
68	807268	Key, machine	3
69	413330	Shaft, Spindle	3
70	414335	Housing, Cutter Assembly	3
71	523471	Shield, Belt	2
72	805258	Washer, Flat Std 5/16	6
73	800017	Bolt, Hex Tap 5/16-18x3 1/4	2
74	611216	Kit, Link Assembly	2
75	323533	Spacer	3
76	634619	Housing w/Brgs, Spacer & Ring	3

● Requires installation of Micro-Mulch accessory for proper mulching. Mulch kit P/N MK483(48")
Exmark red touch up spray paint - P/N 850337

48" MOWER DECK



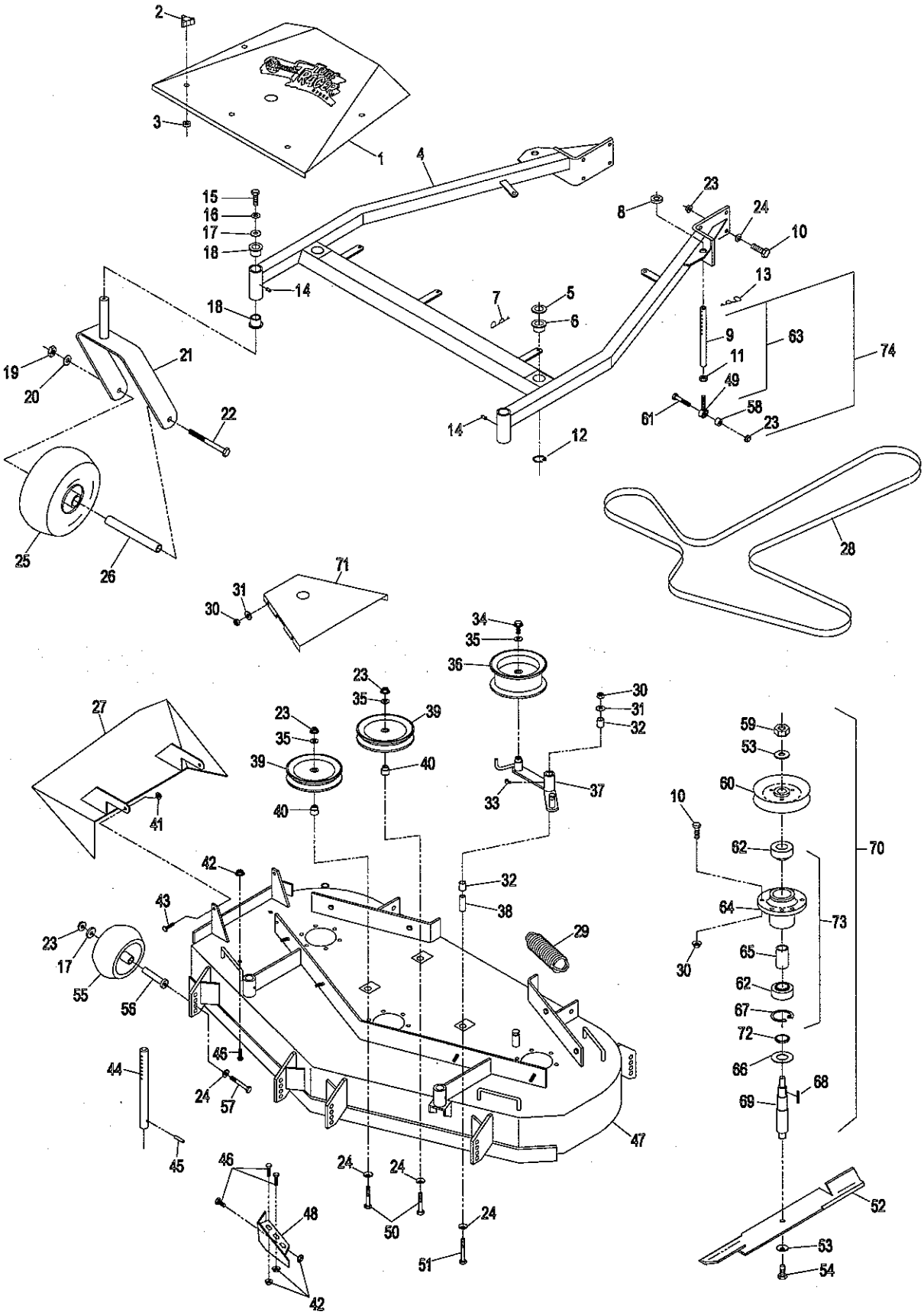
52" MOWER DECK

Ref. No.	Part No.	Description	Qty. Req'd.
1	414437	Shield, belt w/decals	1
	413303	Shield, belt	1
2	323385	Knob, belt shield	5
3	323417	Washer, belt cover	5
4	414311	Support weldmt w/bushings &decals	1
	412317	Support weldmt	1
5	413425	Spacer, Front Deck Support	2
6	513336	Bushing, deck support	2
7	806007	Hairpin, Cotter	2
8	303164	Spacer, Blade Drive	2
9	613203	Link, Deck Support	2
10	800293	Screw, Hex Cap 3/8-16x1-1/4	26
11	804525	Nut, Reg Hex 3/8-24	2
12	808507	Ring, Retaining	2
13	806006	Hairpin, Cotter	2
14	811001	Zerk, straight 1/8	2
15	800292	Screw, Hex Cap 3/8-16x1	2
16	805006	Washer, 3/8 heavy spring	2
17	373034	Washer, Swivel	8
18	303514	Bearing, Flange	4
19	804509	Nut, Reg Hex 1/2-13	2
20	805008	Washer, Lock Hlcl Spg 1/2 Reg	2
21	522143	Caster weldmt	2
22	800334	Screw, Hex Cap 1/2-13x6	2
23	809007	Nut, Whizlock 3/8-16	18
24	303327	Washer, Disc Spring 3/8	17
25	513648	Tire & Wheel Assembly	2
	513807	Wheel & Hub	2
	513808	Tire, 9x3.50-4 4-ply	2
	513809	Roller Bearing	2
	513810	Bushing	4
26	513547	Spacer	2
27	602571	Chute weldmt, discharge	1
28	413308	Belt, deck drive	1
29	633151	Spring, extension	1
30	804257	Nut, Nyloc 3/8-16	27
31	805260	Washer, Flat Std 3/8	9
32	513034	Pivot, Bearing	2
33	811008	Zerk, 90 degree 1/4-28	1
34	803016	Bolt, Whizlock 3/8-16x1	1
35	805259	Washer, Flat 3/8 SAE	3
36	413099	Pulley, Idler	1
37	412394	Arm, weldmt	1
	414398	Arm, Weldmt w/bushings	1

Ref. No.	Part No.	Description	Qty. Req'd.
38	603384	Bushing, Idler Pivot	1
39	613098	Pulley, Idler	2
40	413113	Bushing, Idler	2
41	804256	Nut, Nylock 5/16-18	2
42	809001	Nut, Whizlock 5/16-18	4
43	800273	Screw, Hex Cap 5/16-18x1	2
44	603001	Rod, Deck Support	2
45	806332	Rollpin, 1/4x1-1/2	2
46	800270	Screw, Hex Cap 5/16-18x5/8	4
47	414385	Deck weldmt w/decals, discharge baffle & support rods	1
	412313	Deck weldmt	1
48	602913	Baffle, discharge	1
49	613204	Ball Joint	2
50	800299	Screw, Hex Cap 3/8-16x2-3/4	2
51	800805	Screw, Hex Cap 3/8-16x3-1/2 G8	1
52	633482	Blade, 18.00 notched air foil	3
	613251	Blade, 18.00 solid air foil	3
	● 633484	Blade, 18.00 mulching	3
	633485	Blade, 18.00 low lift (optional)	3
53	513208	Washer, Spring disc	6
54	800340	Screw, Hex Cap 5/8-11x1	3
55	603299	Roller, antiscalp	6
56	603602	Bushing, roller	6
57	800807	Screw, Hex Cap 3/8-16x4 G8	6
58	603050	Bushing Spacer	2
59	804510	Nut, Reg Hex 5/8-18	3
60	413424	Sheave w/Hub	3
61	800295	Screw, Hex Cap 3/8-16x1-3/4	2
62	513016	Bearing	6
63	614213	Link, Assembly	2
64	323532	Housing, Spindle	3
65	323528	Spacer, Bearing	3
66	633573	Guard, Bearing-Bottom	3
67	808502	Ring, Snap	3
68	807268	Key, machine	3
69	413330	Shaft, Spindle	3
70	414335	Housing, Cutter Assembly	3
71	413305	Shield, Belt	2
72	323533	Spacer	3
73	634619	Housing w/Brgs, Spacer & Ring	3
74	611216	Kit, Link Assembly	2

● Requires installation of Micro-Mulch accessory for proper mulching. Mulch kit P/N MK523(52")
Exmark red touch up spray paint - P/N 850337

52" MOWER DECK



ENGINE DECK GROUP (con't.)

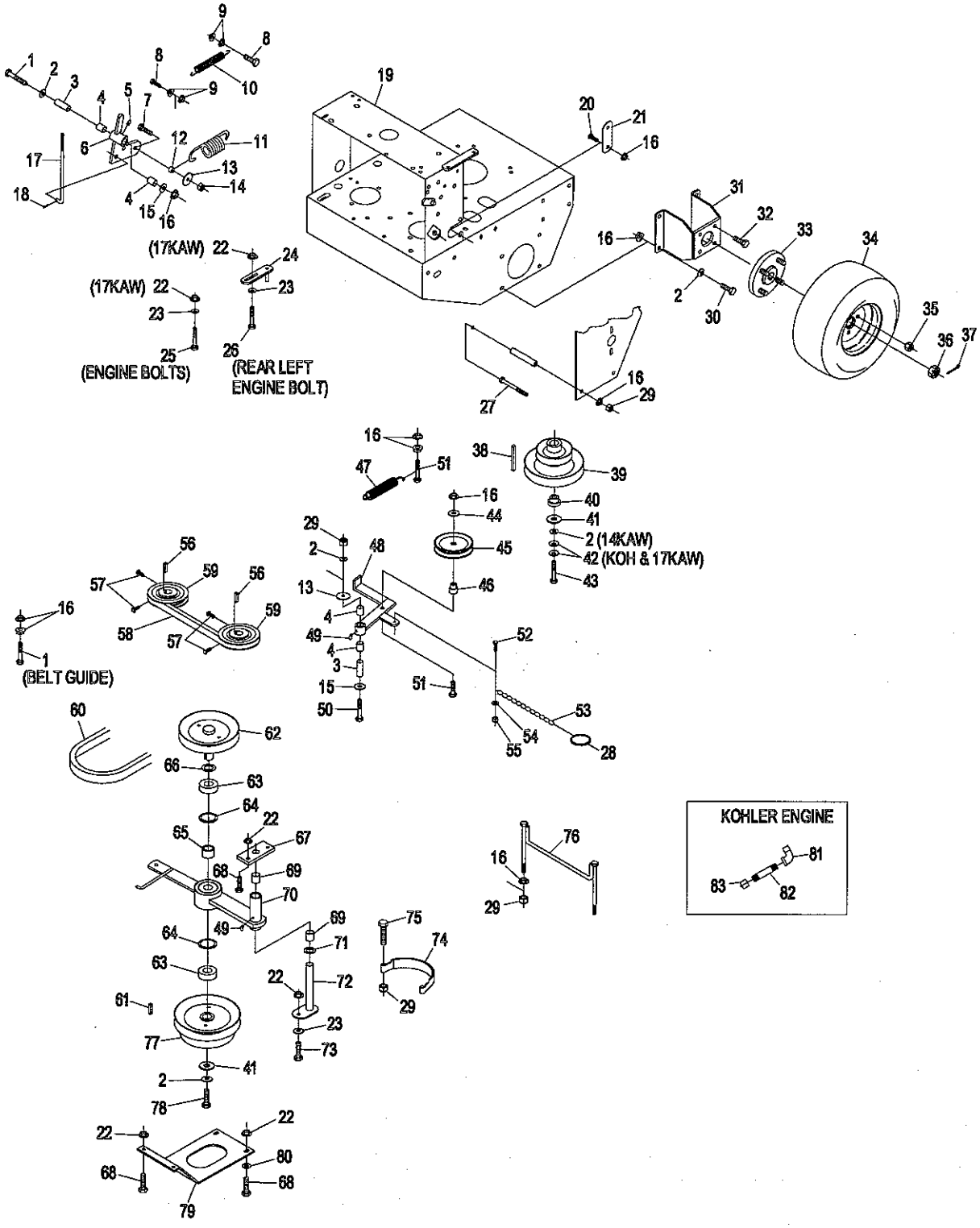
Ref. No.	Part No.	Description	Qty. Req'd.
1	800297	Screw, 3/8-16 x 2-1/4	2
2	303327	Washer, 3/8 disc spring	11
	303327	Washer, 3/8 dsc spring(14 Kaw)	12
3	603044	Bushing	2
4	513034	Bearing, pivot	4
5	811006	Zerk, straight	1
6	412285	Link weldmt, pivot	1
	414143	Link weldmt, pivot w/brgs	1
7	800274	Screw, 5/16-18 x 1-1/4	1
8	800254	Screw, 1/4-20 x 1	2
9	809012	Nut, 1/4-20 whizlock	4
10	523498	Spring, motion control	1
11	513113	Spring, belt tension	1
12	543007	Spacer	1
13	213069	Washer	2
14	804256	Nut, 5/16-18 nylock	1
15	805260	Washer, 3/8 std flat	2
16	809007	Nut, 3/8-16 whizlock	19
17	413282	Linkage	1
18	806003	Hairpin cotter	1
19	412132	Deck weldmt, engine	1
20	800290	Screw, 3/8-16 x 3/4	2
21	633068	Arm	1
22	809001	Nut, 5/16-18 whizlock	7
	809001	Nut, 5/16-18 wzlk (17Kaw)	11
23	303334	Washer, 5/16 disc spring	5
24	322110	Guide weldmt, belt	1
25	809072	Screw, m8x1.25x25 (14hp Kaw & Koh)	3
	800275	Screw, 5/16-18x1-1/2(17hp Kaw)	3
26	809018	Screw, m8x1.25x30 (14hp Kaw & Koh)	1
	800276	Screw, 5/16-18x1-3/4(17hp Kaw)	1
27	800303	Screw, 3/8-16 x 4-1/2	1
28	323366	Ring, split	1
29	804257	Nut, 3/8-16 nylock	6
30	800292	Screw, 3/8-16 x 1	8
31	412080	Mount, wheel motor 36"	2
	412082	Mount, wheel motor 48"&52"	2
32	803045	Screw.3/8-16 x 3/4 whizlock	8
33◊	602997	Hub, four bolt w/studs	2
	613150	Stud	8
34	413473	Wheel & tire assy	2
	413474	Tire 16 x 6.50-8	2
	603715	Wheel	2
35	513011	Nut, wheel 1/4-20	8
36	803040	Nut, slotted 3/4-16	2
37	806800	Pin, cotter 9/64 x 1-1/2	2
38	807264	Key, 1/4sq x 2-5/8	1
39◊	413004	Sheave assy, drive	1
40	603609	Bushing	1
41	373034	Washer, pivot	2
42	603610	Washer (Koh & 17 HP Kaw)	2
43▽	809080	Screw, m10x1.5x55(14HP Kaw)	1
	800819	Screw,7/16-20x2-1/2 (Koh & 17 HP Kaw)	1
44	805259	Washer, 3/8 SAE flat	1
45	603843	Pulley, idler	1
46	603496	Bushing - Idler	1
47	603402	Spring, extension	1
48	412136	Idler arm weldmt	1
	414141	Idler arm weldmt w/brgs	1
49	811007	Zerk, 45 degree	2
50	800299	Screw, 3/8-16 x 2-3/4	1
51	800295	Screw, 3/8-16 x 1-3/4	2
52	809069	Screw, #10-24 x 7/8	1
53	323365	Chain, cold start	1
54	805252	Washer, 7/32 std flat	1
55	804252	Nut, #10-24 nylock	1
56	807272	Key, 5mm sq x 25mm	2
57▽	803050	Setscrew,sq hd cuppoint	4
58	413095	Belt, pump drive	1
59◊	413010	Sheave, pump drive	2
60	413096	Belt, blade clutch	1
61	807259	Key, 1/4 sq x 1	2
62◊	412011	Sheave w/shaft	1
63◊	413111	Bearing, clutch	2
64	808502	Ring, retaining	2
65	413012	Spacer, bearing	1
66	523157	Washer, spacer	1
67	413049	Plate, clutch pivot	1
68	800273	Screw, 5/16-18 x 1	6
69	413207	Pivot, bearing	2
70	412417	Arm weldmt, clutch	1
	414418	Arm weldmt, clutch w/brgs	1
71	413235	Washer, spacer	1
72	412138	Pin weldmt, pivot	1
73	800271	Screw, 5/16-18 x 3/4	1
74	413062	Band, brake	1
75	800294	Screw, 3/8-16 x 1 1/2	2
76	412325	Guide weldmt, belt	1
77◊	412031	Sheave w/drum (36" & 52")	1
	412028	Sheave w/drum (48")	1
78▽	800521	Screw, 3/8-24 x 1	1
79	413009	Plate, guard	1
80	805258	Washer, 5/16 std flat	2
81♦	303431	Elbow (Koh)	1
82♦	323326	Nipple, pipe (Koh)	1
83♦	543233	Cap (Koh)	1

▽ Use Pro-Lock (nut type, Part no. 840022, 5 ml tube):
- on setscrew threads.
- on sheave retaining bolt in engine crankshaft.
- on sheave retaining bolt on clutch arm.

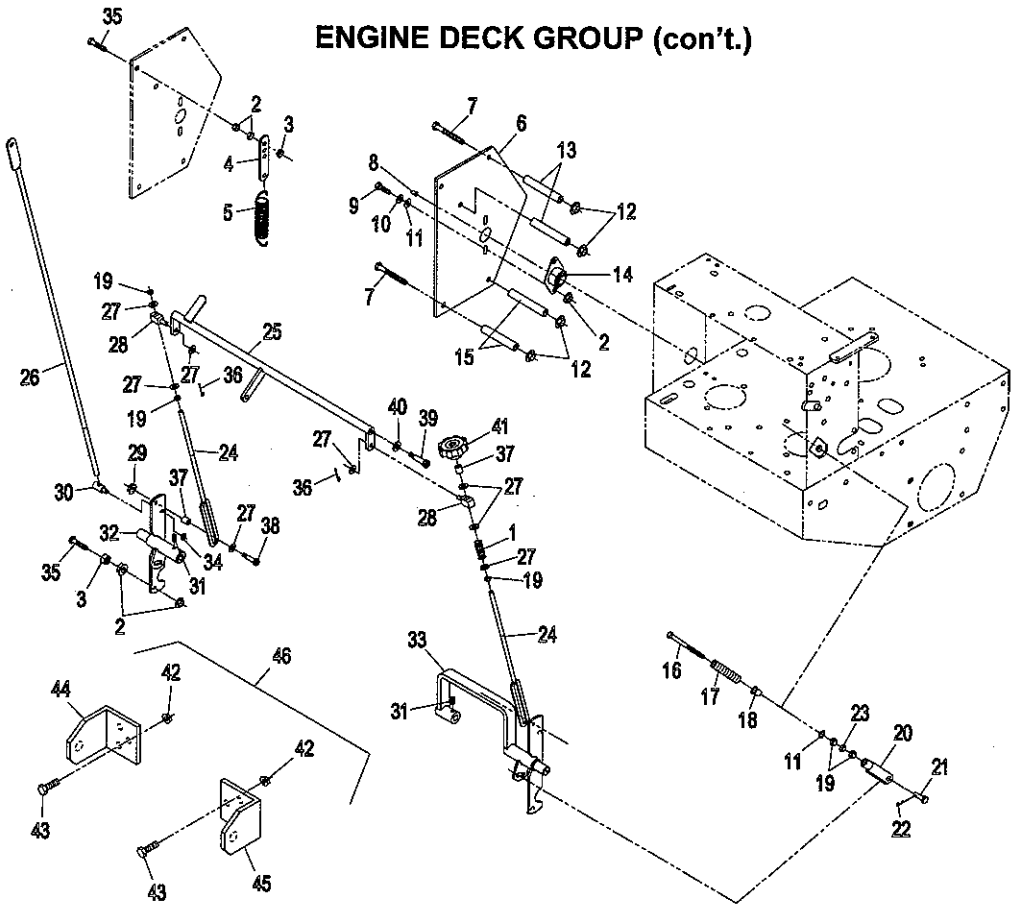
♦ Use a Teflon pipe sealant or equivalent on pipe threads
Exmark red touch up spray paint - P/N 850337

◊ Apply antiseize to:
- between engine crankshaft and pump and blade drive sheave.
- between sheave w/shaft and bearing bores and sheave w/drum.
- between wheel hub and motor shafts.
- between pump shafts and sheaves.

ENGINE DECK GROUP (con't.)



ENGINE DECK GROUP (con't.)

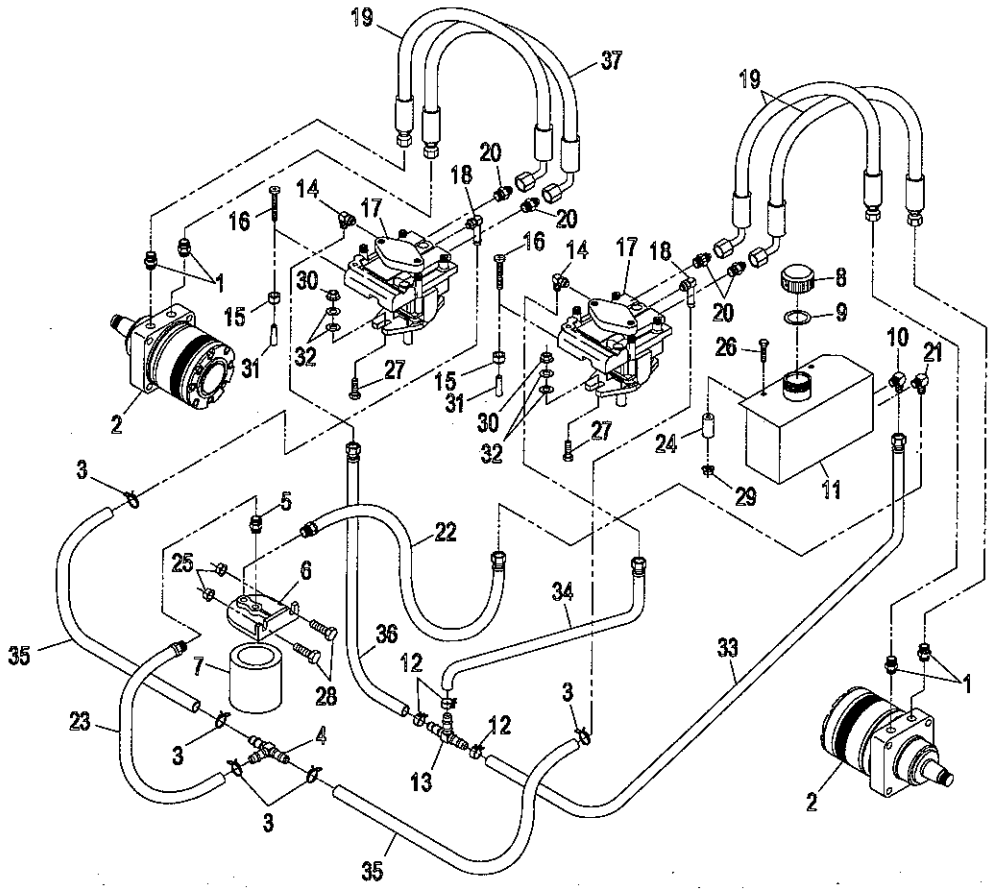


Ref. No.	Part No.	Description	Qty. Req'd.
1	323245	Spring	1
2	809001	Nut, 5/16-18 whizlock	12
3	804256	Nut, 5/16-18 nylock	4
4	613089	Tab, spring extension	2
5	603693	Spring, extension	2
6	413201	Shield, hydro	2
7	800302	Screw, 3/8-16 x 4	7
8	811006	Zerk, 1/4-28	2
9	800271	Screw, 5/16-18 x 3/4	4
10	805005	Washer, 5/16 hvy spr lock	4
11	805256	Washer, 1/4 std flat	6
12	809007	Nut, 3/8-16 whizlock	7
13	323195	Spacer, shield	4
14	633102	Bearing, side flange	2
15	323197	Spacer, shield	4
16	603737	Bolt, neutral return	2
17	603807	Spring, neutral return	2
18	603735	Bushing, nylon	2
19	804521	Nut, 5/16-24 hex	7
20	303105	Yoke	2
21	808280	Clevis pin, 5/16 x 1	2
22	806003	Hairpin cotter	2
23	804758	Nut, 5/16-24 jam	2
24	413350	Rod, control	2

Ref. No.	Part No.	Description	Qty. Req'd.
25	412203	Crank weldmt	1
26	413219	Rod, drive lever	2
27	805257	Washer, 5/16 SAE	9
28	603676	Swivel, short	2
29	809012	Nut, 1/4-20 whizlock	2
30	413227	Swivel, drive lever	2
31♦	803022	Setscrew, 5/16-18x5/8	2
32	412272	Arm weldmt, LH	1
33	412270	Arm weldmt, RH	1
34	808520	Klipring	2
35	800274	Screw, 5/16-18 x 1-1/4	2
36	806753	Cotter pin, 3/32 x 1/2	2
37	603903	Spacer	3
38♦	809057	Bolt, .312 x .75 hx skt hd shldr	2
39♦	809056	Bolt,.375 x .375 hx skt hd shldr	2
40	805259	Washer, 3/8 SAE flat	2
41	413151	Knob	1
42	809007	Nut, 3/8-16 whizlock	6
43	800292	Screw, 3/8-16 x 1	6
44	413252	Bracket, sulky LH	1
45	413254	Bracket, sulky RH	1
46	411255	Sulky kit	1
47	800016	Tap Bolt 5/16-18 x 1-1/4	2

♦Use Pro-Lock nut type, Part No. 840022 (.5 ml tube) on shoulder bolt & setscrew threads.
Exmark red touch up spray paint - PN 850337

HYDRAULICS GROUP



Ref. No.	Part No.	Description	Qty. Req'd.
1	603991	Fitting, strght connector	4
	603919	Boss O-Ring	1
	603992	Flare O-Ring	1
2	603718	Wheel motor	2
	000138	Kit, Bearing	1
	000119	Kit, seal	1
3	603827	Clamp, hose (5/8)	5
4	603721	Fitting, Hose Tee (3/8 I.D hose)	1
5	513510	Connector, male	1
6*	603720	Head, filter	1
7	513211	Element, oil filter	1
∇	523541	Element, oil filter(winter)	1
8	513167	Cap, hydraulic reservoir	1
9	523103	Gasket, tank cap	1
10	603987	Elbow, 90°	1
11*	512166	Reservoir, hydraulic fluid	1
12	603826	Hose Clamp 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 head	2
17	613042	Pump, hydro	2
18	603989	Elbow, 90°	2
	603923	O-Ring	1
19	613034	Hose, high pressure	3
20	603990	Adapter, straight thread	4
	603920	Boss O-Ring	1
	603992	Flare O-Ring	1
21	603988	Elbow, 90°	1
22	602985	Hose, supply	1
23	602754	Hose, charge line	1
24	323218	Spacer, hydraulic tank	2
25	809001	Nut, whizlock 5/16-18	2
26	800258	Screw, 1/4-20 x 2	2
27	800293	Screw, 3/8-16 x 1-1/4	4
28	800273	Screw, 5/16-18 x 1	2
29	809012	Nut, whizlock 1/4-20	2
30	809007	Nut, whizlock 3/8-16	4
31	613073	Grip, dump valve	2
32	805258	Washer, 5/16 std	8
33	602750	Hose, case drain	1
34	632286	Hose assy, lo pressure	1
35	413273	Hose, lo pressure	2
36	632285	Hose assy, lo pressure	1
37	323241	Hose, high pressure	1

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

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

Exmark black touch up spray paint - gloss black

UPPER HANDLES and CONTROLS

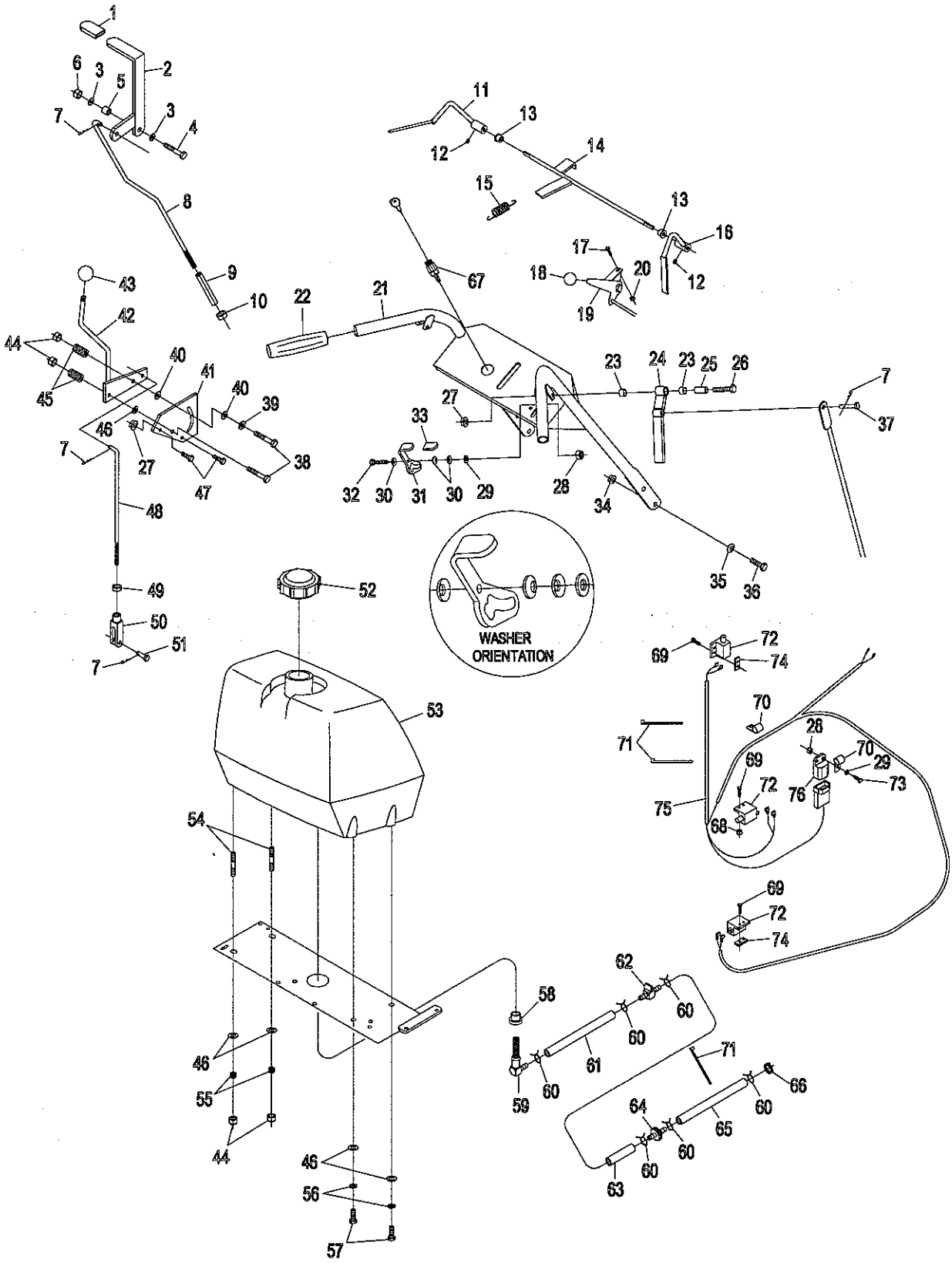
Ref. No.	Part No.	Description	Qty. Req'd.
1	303020	Grip	1
2	412295	Lever wldmt, blade engage	1
3	805260	Washer, 3/8 std flat	2
4	800295	Screw, 3/8-16 x 1-3/4	1
5	413088	Spacer	1
6	804257	Nut, 3/8-16 nylock	1
7	806003	Hairpin cotter	5
8	413293	Rod, blade engagement	1
9	413279	Turnbuckle	1
10	804507	Nut, 3/8-16 hex	1
11∇	412183	Lever weldmt opc LH	1
12♦	803322	Setscrew, 5/16-24 x 5/16	2
13	303365	Bushing, nylon	2
14	322192	Rod weldmt, opc	1
15	303363	Spring, actuator	1
16∇	412185	Lever weldmt, opc RH	1
17	807513	Bolt, #10-24 x 1/2 carriage	2
18	513592	Knob, red throttle	1
19	323129	Throttle control (Koh & 14hp Kaw)	1
	413428	Throttle control (17hp Kaw)	1
20	804252	Nut, #10-24 nylock	4
21	412448	Handle weldmt, upper	1
22	303097	Grip, handle	2
23	413152	Bearing	4
24	412159	Lever, drive LH	1
	412161	Lever, drive RH (shown)	1
25	603749	Bushing, drive lever	2
26	800256	Screw, 1/4-20 x 1-1/2	2
27	809012	Nut, 1/4-20 whizlock	4
28	804255	Nut, 1/4-20 Nylock	3
29	805256	Washer 1/4 std flat	3
30	303435	Washer, 1/4 disc spr (shown)	6
31	612168	Thumb latch w/grip RH	1
	612167	Thumb latch w/grip LH	1
32	800257	Screw, 1/4-20 x 1-3/4	2
33	303019	Grip, latch	2
34	809007	Nut, 3/8-16 whizlock	4
35	303327	Washer, 3/8 disc spring	4
36	800292	Screw, 3/8-16 x 1	4
37	613055	Pin, clevis	2
38	800277	Screw, 5/16-18 x 2	2
39	603716	Washer, friction disc	1
40	323244	Washer, friction	2
41	603730	Plate, shifter lever	1
42	602733	Lever weldmt, shift	1
43♦	603175	Knob	1
44	804256	Nut, 5/16-18 nylock	4
45	323245	Spring, compression	2
46	805257	Washer 5/16 SAE flat	5
47	800251	Screw, 1/4-20 x 5/8	2
48	413225	Rod, speed control	1
49	804758	Nut, 5/16-24 jam	1
50	303105	Yoke	1
51	808280	Clevis pin 5/16 x 1	1
52	513508	Cap, fuel	1
53	413179	Tank, fuel	1
54∇	633023	Stud, fuel tank	2
55	633349	Spring, fuel tank	2
56	805005	Washer, 5/16 hvy lock	2
57	800271	Screw, 5/16-18 x 3/4	2
58	513645	Bushing, fuel valve	1
59	543277	Elbow, fuel tank	1
60	303077	Clamp, fuel line (17hp Kaw)	4
	303077	Clamp, fuel line (14hp Kaw)	5
	303077	Clamp, fuel line (Koh)	6
61	603955	Hose, fuel line 6" (Koh & 14hp Kaw)	1
	543649	Hose, fuel line 7" (17hp Kaw)	1
62	603770	Valve, fuel	1
63	603776	Hose, fuel line 2.5" (14hp Kaw & Koh)	1
	303022	Hose, fuel line 8.5"(17hp Kaw)	1
64	303197	Filter, fuel	1
65	303471	Hose, fuel line 12" (14hp Kaw)	1
	603954	Hose, fuel line 13.75" (Koh)	1
66	303308	Clamp, fuel line (14hp Kaw)	1
67	403121	Switch, on/off (17hp Kaw)	1
	603511	Keys, ignition	1
68	804002	Nut, Square #10-24	2
69	803028	Screw, #10-24 x 5/8	6
70	323229	Clip, loom	2
71	303287	Tie, plastic	3
72	513051	Switch	3
73	800252	Screw, 1/4-20 x 3/4	1
74	633181	Plate, tapped	2
75•	413146	Harness, wiring (14hp Kaw)	1
	413208	Harness, wiring (Koh)	1
	413453	Harness, wiring (17hp Kaw)	1
76	323430	Module, interlock	1

♦ Use Pro-Lock nut type, Part no. 840022 (.5cc tube) on setscrew threads and on shifter knob threads.

∇ Use Pro-Lock retaining type, Part no. 840023 (.5cc tube) on inside of bore of OPC hub and on fuel tank studs.

• Use dielectric grease on all electrical connectors.
Exmark black touch up spray paint - Gloss black

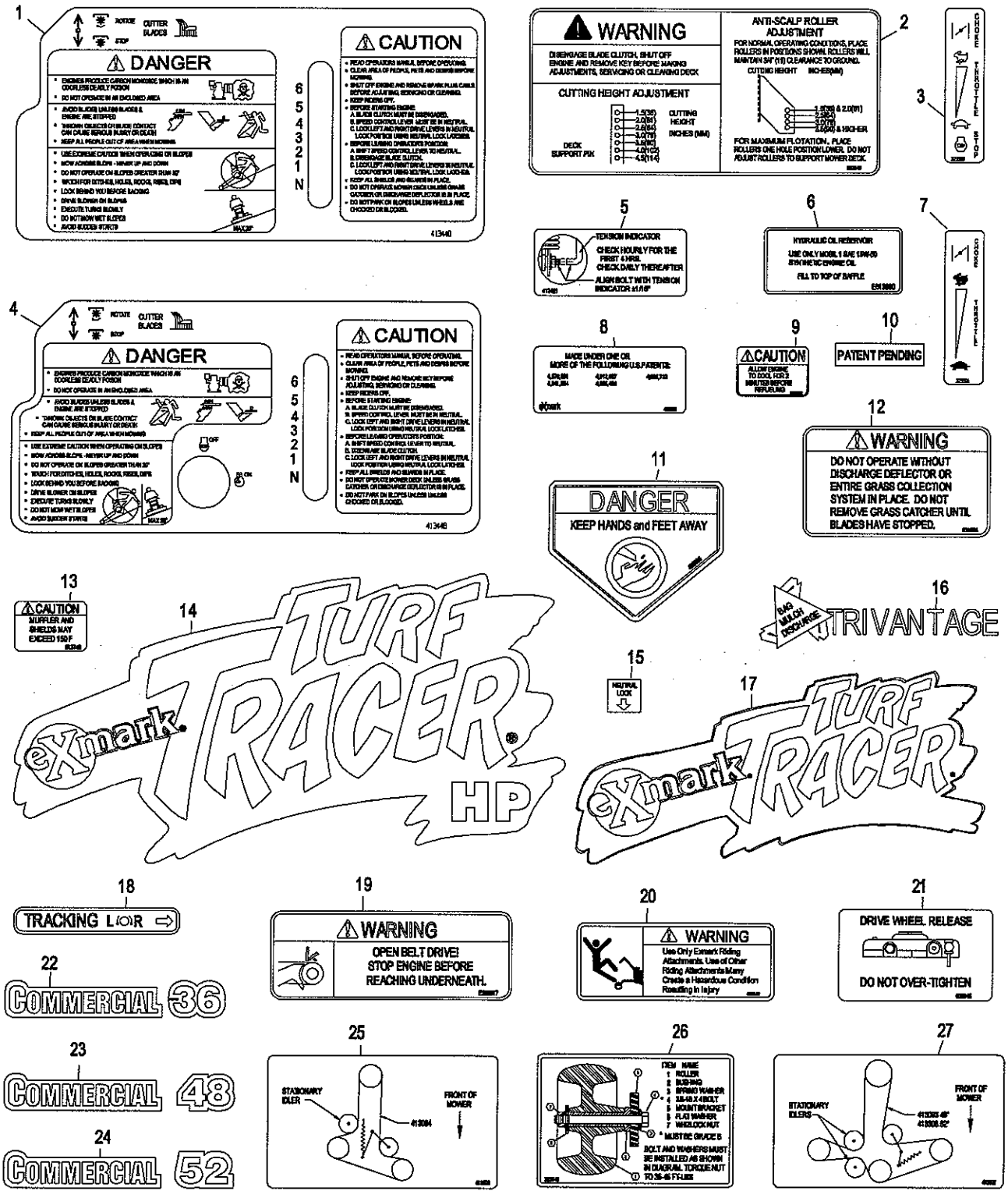
UPPER HANDLES and CONTROLS



DECALS

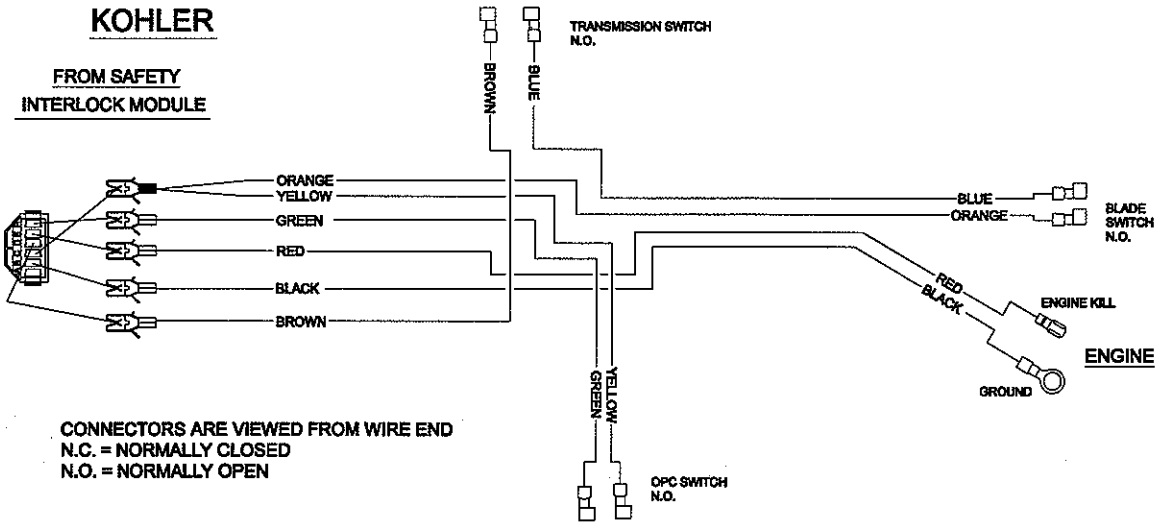
Ref. No.	.Part No.	Description	Qty. Req'd.
1	413440	Decal, console(Koh&14hp Kaw)	1
2	543049	Decal, mower deck	1
3	323689	Decal, throttle (Koh&14hp Kaw).	1
4	413446	Decal, console (17hp Kaw)	1
5	413421	Decal, indicator	1
6	513890	Decal, hyd tank	1
7	323691	Decal, throttle (17hp Kaw)	1
8	403080	Decal, patent	1
9	303293	Decal, 2 min cool	1
10	373066	Decal, patent pending	1
11	403005	Decal, danger (36")	1
	403005	Decal, danger (48" & 52")	2
12	303508	Decal, discharge warning	1
13	513746	Decal, muffler	2
14	413342	Decal, swash	1
15	303102	Decal, neutral lock	2
16	303520	Decal, trivantage	1
17	613049	Decal, console	1
18	413214	Decal, tracking	1
19	303517	Decal, belt drive	1
20	403143	Decal, sulky warning	1
21	603845	Decal, hyd drive release	1
22	323411	Decal, commercial 36	1
23	403131	Decal, commercial 48	1
24	403132	Decal, commercial 52	1
25	413206	Decal, belt routing (36")	1
26	323540	Decal, roller mounting	1
27	413327	Decal, belt routing (48" & 52").	1
	414422	Decal kit	

DECALS

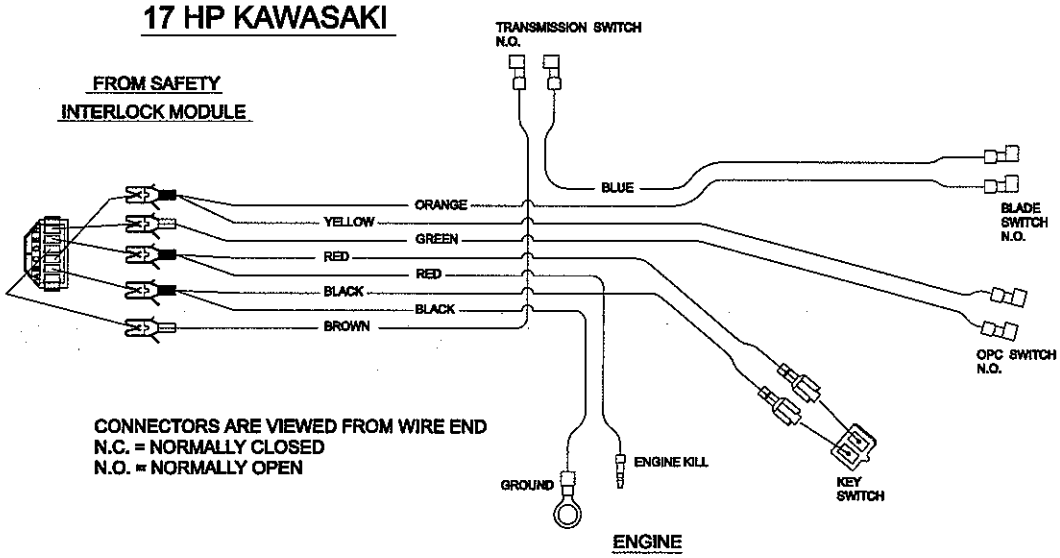

1
DANGER
CAUTION
2
WARNING
ANTI-SCALP ROLLER ADJUSTMENT
CUTTING HEIGHT ADJUSTMENT
3
4
DANGER
CAUTION
5
TENSION INDICATOR
CHECK HOURLY FOR THE FIRST 4 HRS
CHECK DAILY THEREAFTER
ALIGN BOLT WITH TENSION INDICATOR
6
HYDRAULIC OIL RESERVOIR
USE ONLY MOBIL 1 SAE 15W-50 SYNTHETIC ENGINE OIL
FILL TO TOP OF BAFFLE
7
8
MADE UNDER ONE OR MORE OF THE FOLLOWING U.S.PATENTS:
9
CAUTION
ALLOW ENGINE TO COOL FOR 2 MINUTES BEFORE REFUELING
10
PATENT PENDING
11
DANGER
KEEP HANDS and FEET AWAY
12
WARNING
DO NOT OPERATE WITHOUT DISCHARGE DEFLECTOR OR ENTIRE GRASS COLLECTION SYSTEM IN PLACE. DO NOT REMOVE GRASS CATCHER UNTIL BLADES HAVE STOPPED.
13
CAUTION
MUFFLER AND SHIELDS MAY EXCEED 150 F
14
eXmark TURF RACER HP
15
NEUTRAL LOCK
16
BAG MULCH DISCHARGE
TRIVANTAGE
17
eXmark TURF RACER
18
TRACKING LOOSER
19
WARNING
OPEN BELT DRIVE! STOP ENGINE BEFORE REACHING UNDERNEATH.
20
WARNING
Use Only Exmark Riding Attachments. Use of Other Riding Attachments May Create a Hazardous Condition Resulting in Injury
21
DRIVE WHEEL RELEASE
DO NOT OVER-TIGHTEN
22
COMMERCIAL 36
23
COMMERCIAL 48
24
COMMERCIAL 52
25
STATIONARY IDLER
FRONT OF MOWER
26
ITEM NAME
1 ROLLER
2 BUSHING
3 SPRING WASHER
4 3/8-16 X 4 BOLT
5 MOUNT BRACKET
6 FLAT WASHER
7 WHEELLOCK NUT
* MUST BE GRADE 5
BOLT AND WASHERS MUST BE INSTALLED AS SHOWN IN DIAGRAM. TORQUE NUT TO 35-45 FT-LBS
27
STATIONARY IDLERS
FRONT OF MOWER

WIRING DIAGRAMS

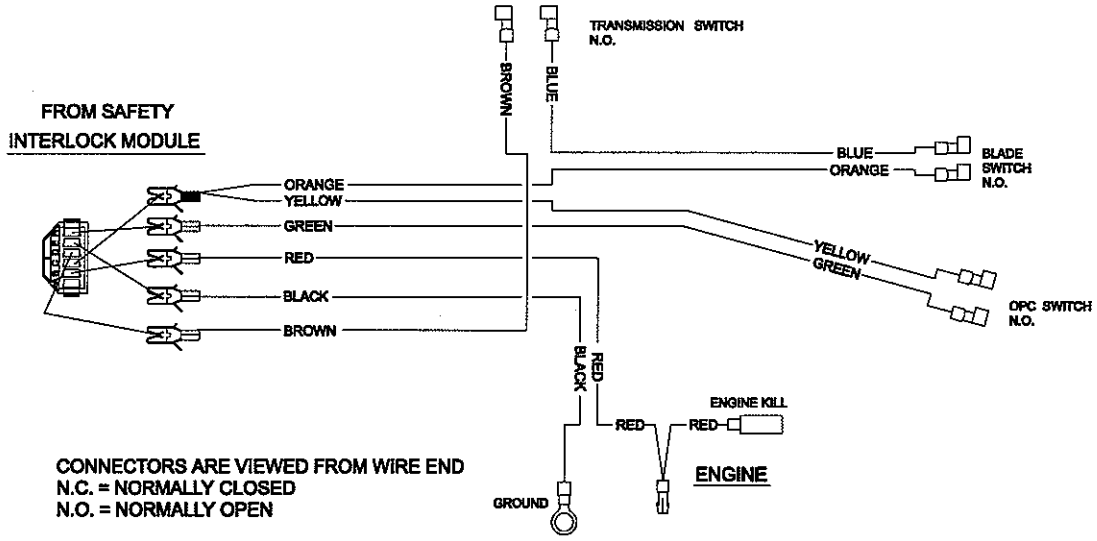
KOHLER



17 HP KAWASAKI



14 HP KAWASAKI



SERVICE RECORD

Date	Description of Work Done	Service Done By

SEE EXMARK'S COMPLETE LINE OF PRODUCTS FOR TURF CARE

LAZER Z™

LAZER Z™ HP

EXPLORER®

TURF RANGER®

TURF TRACER®

TURF TRACER® HP

VIKING HYDRO

METRO™

METRO™ HP

SELF STEERING SULKY

GRASS CATCHER

MICRO-MULCH ™ ACCESSORY

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