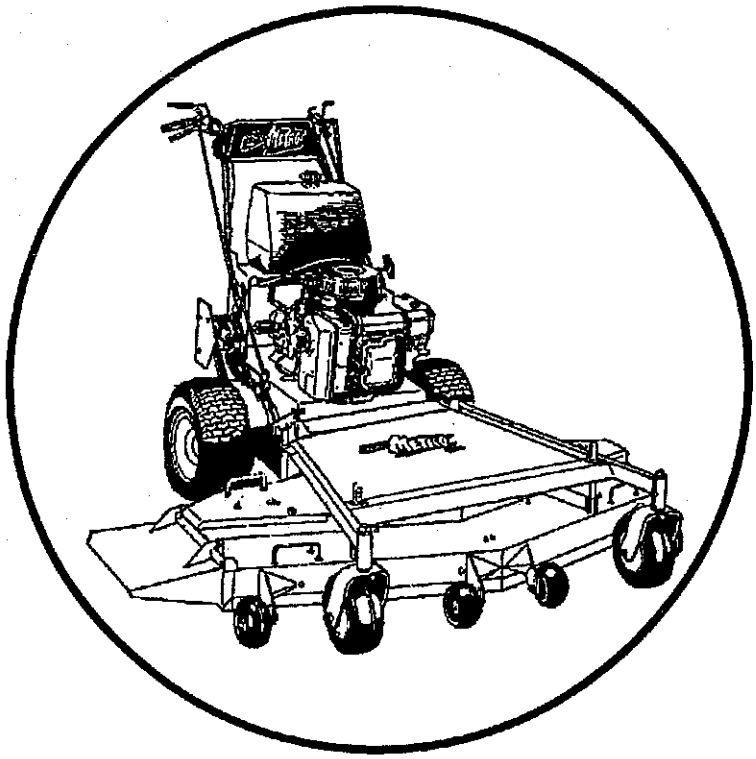
Exmark MFG. CO. INC.

For Serial Nos. 150,000 and Higher

METRO HP



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.

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

Model No. _____

Serial No. _____

Date Purchased _____

Purchased From _____

Part No. 850472

⚠ WARNING

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

TABLE OF CONTENTS

Description	Page
Decals	14-15
Engine Deck Group	8-11
52" Mower Deck	6-7
48" Mower Deck	4-5
36" Mower Deck	2-3
Upper Handles & Controls	12-13
Wiring Diagrams	16-17

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 Hicl 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
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

Ref. No.		Part No.	Description	Qty. Req'd.
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, 16.25	2
	●	633484	Blade, 16.25 mulching	2
		633485	Blade, 16.25 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	*	803031	Nut, Torque 3/8-24	2
73	*		Link, Service by 611216	2
74	*	809035	Screw, Hex Taptite 3/8x16x1	12
75	*	811006	Zerk, Straight 1/4-28	2
76	*	413029	Sheave, w/Hub	2
77	*	543436	Washer, .060	4
78	*	303543	Bearing, Spindle	4
79	*	303542	O-ring, Cutter Housing	2
80	*	413314	Housing, Bearing	2
81	*	513188	Spacer, Bearing	2
82	*	513193	Seal, Dust	2
83	*	808506	Ring, Snap	2
84	*	413035	Shaft, Spindle	2
85	*		Housing, Cutter Assembly Service by 414335	2
86		323533	Spacer	2

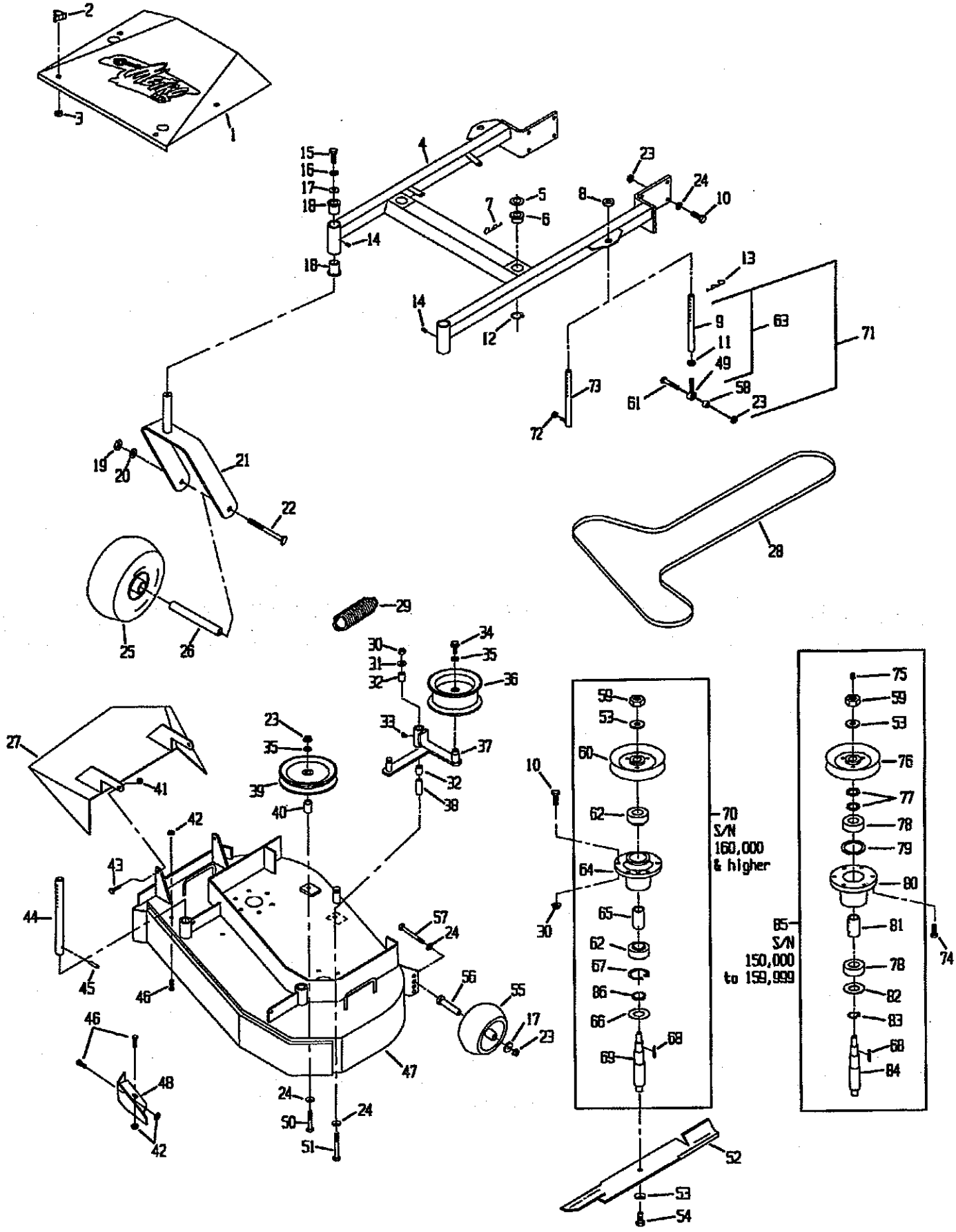
● Requires installation of Micro-Mulch accessory for proper mulching. Mulch kit P/N MK363(36")

★ Replace both sides if unit is equipped with 3/16" thick washers.

* Used on S/N 159,999 and lower only.

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 Hicl 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
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

Ref. No.		Part No.	Description	Qty. Req'd.
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	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	*	803031	Nut, Torque 3/8-24	2
76	*		Link, Service by 611216	2
77	*	413029	Sheave, w/Hub	3
78	*	543436	Washer, .060	6
79	*	303543	Bearing, Spindle	6
80	*	303542	O-ring, Cutter Housing	6
81	*	413314	Housing, Bearing	3
82	*	513188	Spacer, Bearing	3
83	*	513193	Seal, Mech Dust	3
84	*	808506	Ring, Snap	3
85	*	413035	Shaft, Spindle	3
86	*		Housing, Cutter Assembly, Service by 414335	3
87	*	809035	Screw, Hex Taptite 3/8x16x1	18
88	*	811006	Zerk, Straight 1/4-28	3
89		323533	Spacer	3

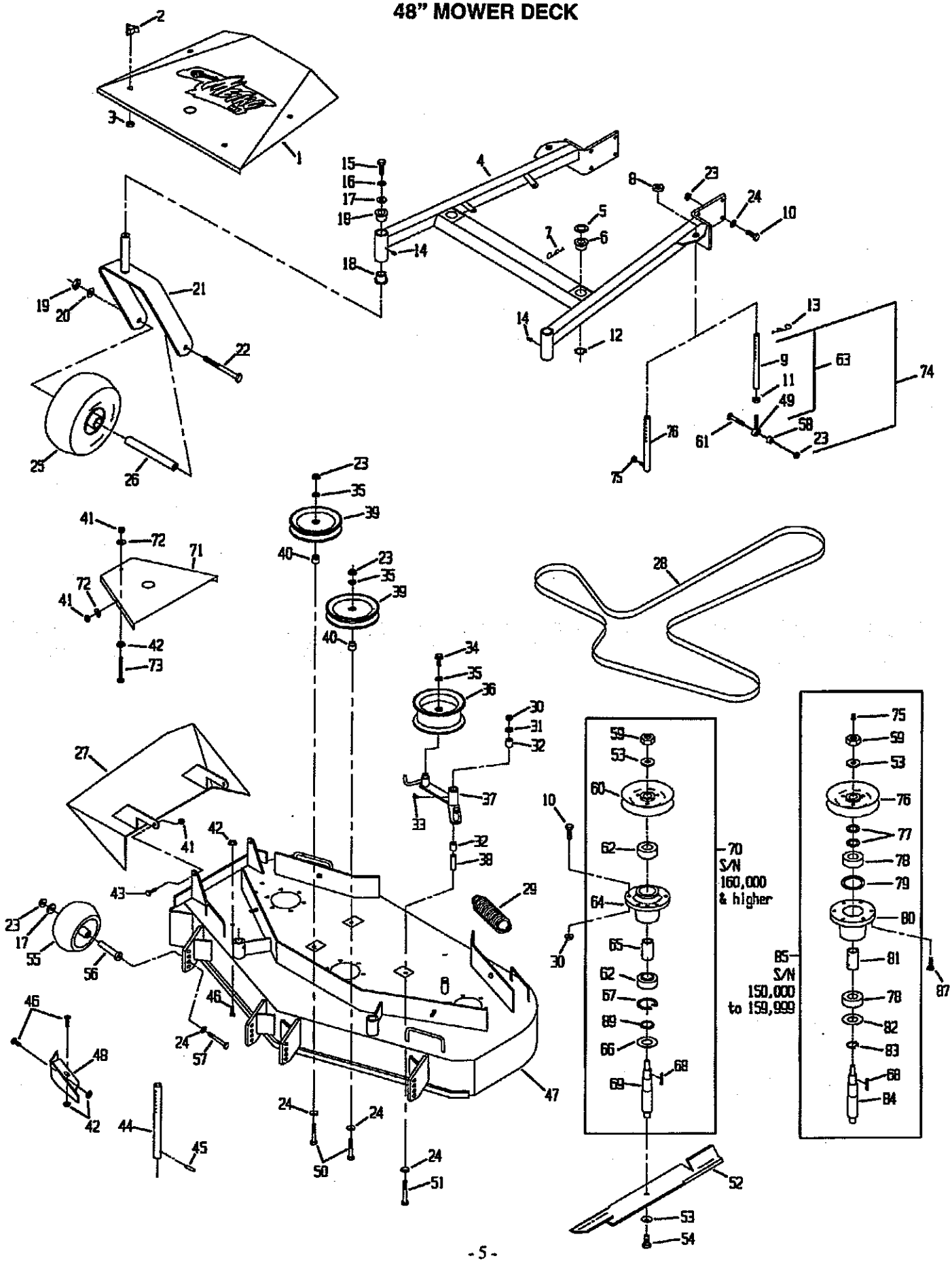
● Requires installation of Micro-Mulch accessory for proper mulching. Mulch kit P/N MK483(48")

★ Replace both sides if unit is equipped with 3/16" thick washers.

* Used on S/N 159,999 and lower only.

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
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

Ref. No.		Part No.	Description	Qty. Req'd.
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, 16.25	3
	●	633484	Blade, 16.25 mulching	3
		633485	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	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	*	803031	Nut, Torque 3/8-24	2
73	*		Link, Service by 611216	2
74		611216	Kit, Link Assembly	2
75	*	811006	Zerk, Straight 1/4-28	3
76	*	413029	Sheave, w/Hub	3
77	*	543436	Washer, .060	6
78	*	303543	Bearing, Spindle	6
79	*	303542	O-ring, Cutter Housing	3
80	*	413314	Housing, Bearing	3
81	*	513188	Spacer, Bearing	3
82	*	513193	Seal, Dust	3
83	*	808506	Ring, Snap	3
84	*	413035	Shaft, Spindle	3
85	*		Housing, Cutter Assembly, Service by 414335	3
86	*	809035	Screw, Hex Taptite 3/8x16x1	18
87		323533	Spacer	3

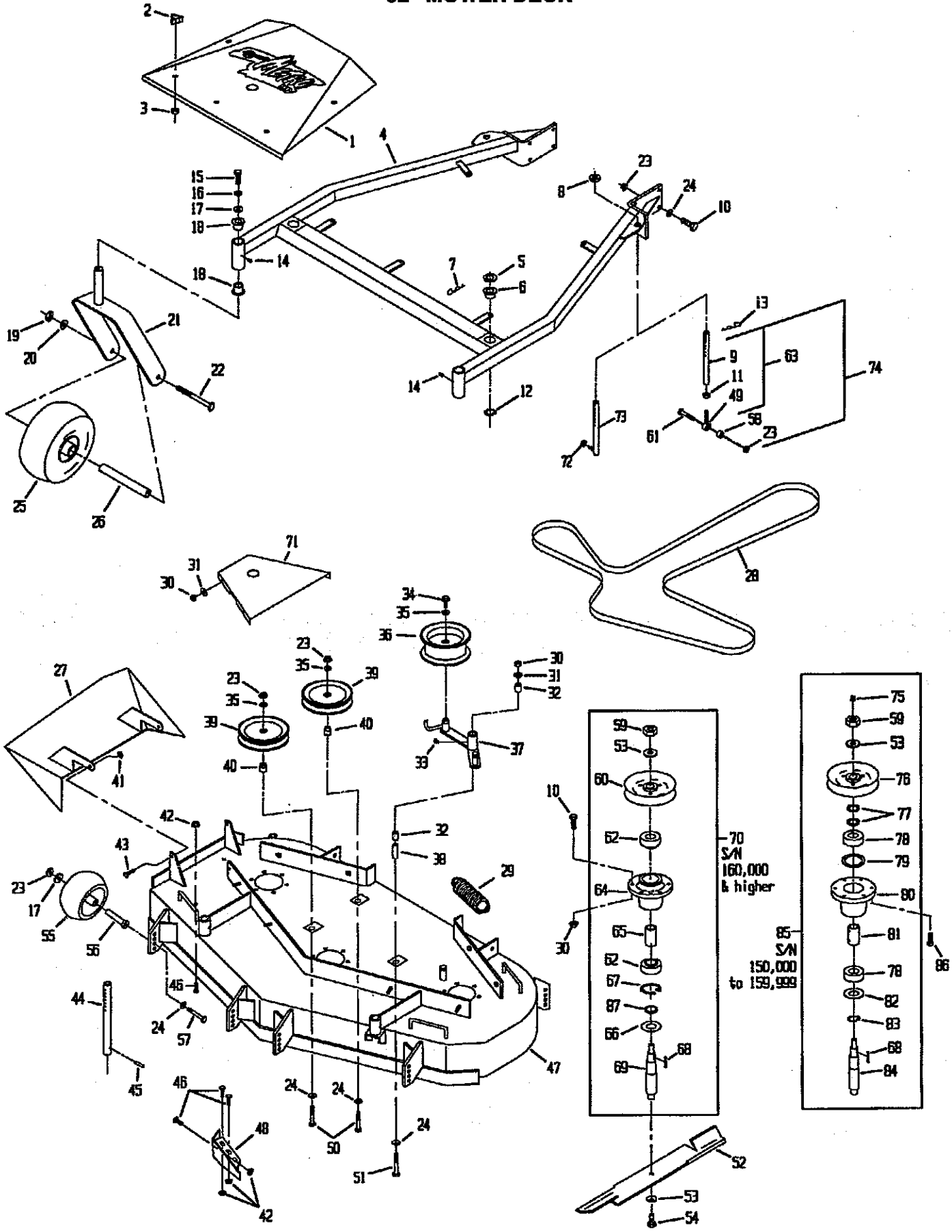
● Requires installation of Micro-Mulch accessory for proper mulching. Mulch kit P/N MK523(52")

★ Replace both sides if unit is equipped with 3/16" thick washers.

* Used on S/N 159,999 and lower only.

Exmark red touch up spray paint - P/N 850337

52" MOWER DECK



ENGINE DECK GROUP

Ref. No.	Part No.	Description	Qty. Req'd.
1	323250	Grip, Foam	1
2	804264	Nut, Nyloc 3/8-24	1
3	303327	Washer, Disc Spring 3/8	7
4	323379	Washer, Shifter Lever	1
5	323500	Transmission, Peerless	1
6	811006	Zerk, Straight 1/4-28 5/32	6
7	323501	Coupling, Transmission 9 spline	2
8	807009	Key Woodruff #9 3/4x3/16	3
9	323502	Shaft, Transmission Output 9 spline	2
10	322152	Lever, Shift w/Grip	1
11	303282	Switch, Neutral Start	1
12	809013	Screw, Hex Tap 5/16-18x3/4	4
13	809001	Nut, Whizlock 5/16-18	14
14	323387	Plate, Shifter	1
15	807503	Bolt, Carriage 5/16-18x3/4	2
16	323389	Leg, Shifter Plate	2
17	323526	Ball, Stainless Steel	1
18	805005	Washer, Lock Hlcl Spg 5/16	4
19	800271	Screw, Hex Cap 5/16-18x3/4	4
20	808523	Ring, Retaining	2
21	323252	Bearing, Transmission Shaft	2
22	804255	Nut, Nyloc 1/4-20	4
23	800251	Screw, Hex Cap 1/4-20x5/8	4
24	323254	Flange, Output	2
25	✧ 803310	Screw, Set 5/16-18x3/8	2
26	413355	Sleeve, Axle	1
27	413334	Sheave, Transmission Output	2
28	809007	Nut, Whizlock 3/8-16	28
29	412376	Axle Weldmt	2
30	543556	Spacer, Wheel	2
31	413347	Bushing, Sleeve	4
32	414375	Lever, Brake RH w/bushings (shown)	1
	414374	Lever, Brake LH w/bushings	1
33	413344	Bushing, Pivot	2
34	805260	Washer, Flat Std 3/8	2
35	800296	Screw, Hex Cap 3/8-16x2	2
36	803051	Nut, Push .38	2
37	800295	Screw, Hex Cap 3/8-16x1 3/4	2
38	323262	Brake Band	2
39	323307	Pin, Clevis	2
40	800292	Screw, Hex Cap 3/8-16x1	12
41	804752	Nut, Jam 3/8-16	2
42	804257	Nut, Nyloc 3/8-16	6
43	603402	Spring, Extension	2
44	323277	Idler, Wheel Drive	2

Ref. No.	Part No.	Description	Qty. Req'd.
45	800032	Bolt, Hex Tap 3/8-16x3	2
46	323368	Swivel, Short	2
47	323548	Linkage, Brake	2
48	322125	Swivel, Weldmt Brake Linkage	2
49	323245	Spring, Compression	2
50	805257	Washer, Flat SAE 5/16	4
51	513959	Wingnut, Nyloc 5/6	2
52	412373	Deck, Weldmt Engine	1
53	808522	Ring, Klip 3/8	2
54	808520	Ring, Klip 5/16	2
55	323283	Spacer, Shield	4
56	412379	Arm, Wldmt RH (shown)	1
	412378	Arm, Wldmt LH	1
57	800275	Screw, Hex Cap 5/16-18x1 1/2	2
58	804256	Nut, Nyloc 5/16-18	2
59	800306	Screw, Hex Cap 3/8-16x5	4
60	413359	Shield, Wheel Drive	2
61	800274	Screw, Hex Cap 5/16-18x1 1/4	8
62	323261	Brake Drum	2
63	413331	Sheave, Wheel Drive w/offset	2
64	413332	Sheave, Wheel Drive	2
65	543511	Seal, Grease	2
66	543509	Cone, Bearing L44643	4
67	543508	Cup, Bearing L44610	4
68	413333	Wheel, Hub w/cups	2
69	523157	Washer, Spacer	2
70	806800	Pin, Cotter 9/64x1-1/2	2
71	809082	Nut, Slotted Hex	2
72	543513	Cap, Grease	2
73	603714	Wheel & Tire Assembly	2
	603427	Tire 16x6.50-8	2
	603715	Wheel	2
74	513011	Nut, Wheel 1/2-20	8
75	413341	Belt, Wheel Drive Banded	2
76	411255	Kit, Sulky Hitch	1
77	413252	Bracket, Sulky LH	1
78	413254	Bracket, Sulky RH	1
79	▲ 403124	Elbow, Street 3/8 NPT (B&S)	1
80	▲ 543233	Cap, 3/8 NPT Hex (Koh & B&S)	1
81	▲ 543232	Nipple, 3/8 NPTx4 (B&S)	1
82	▲ 323326	Nipple, 3/8 NPTx3 (Koh)	1
83	▲ 303431	Elbow, Brass 90° (Koh & B&S)	1
84	412358	Scraper, Wldmt	2
85	413353	Pin, Threaded	2
86	806003	Cotter, Hairpin .0585 #2	2

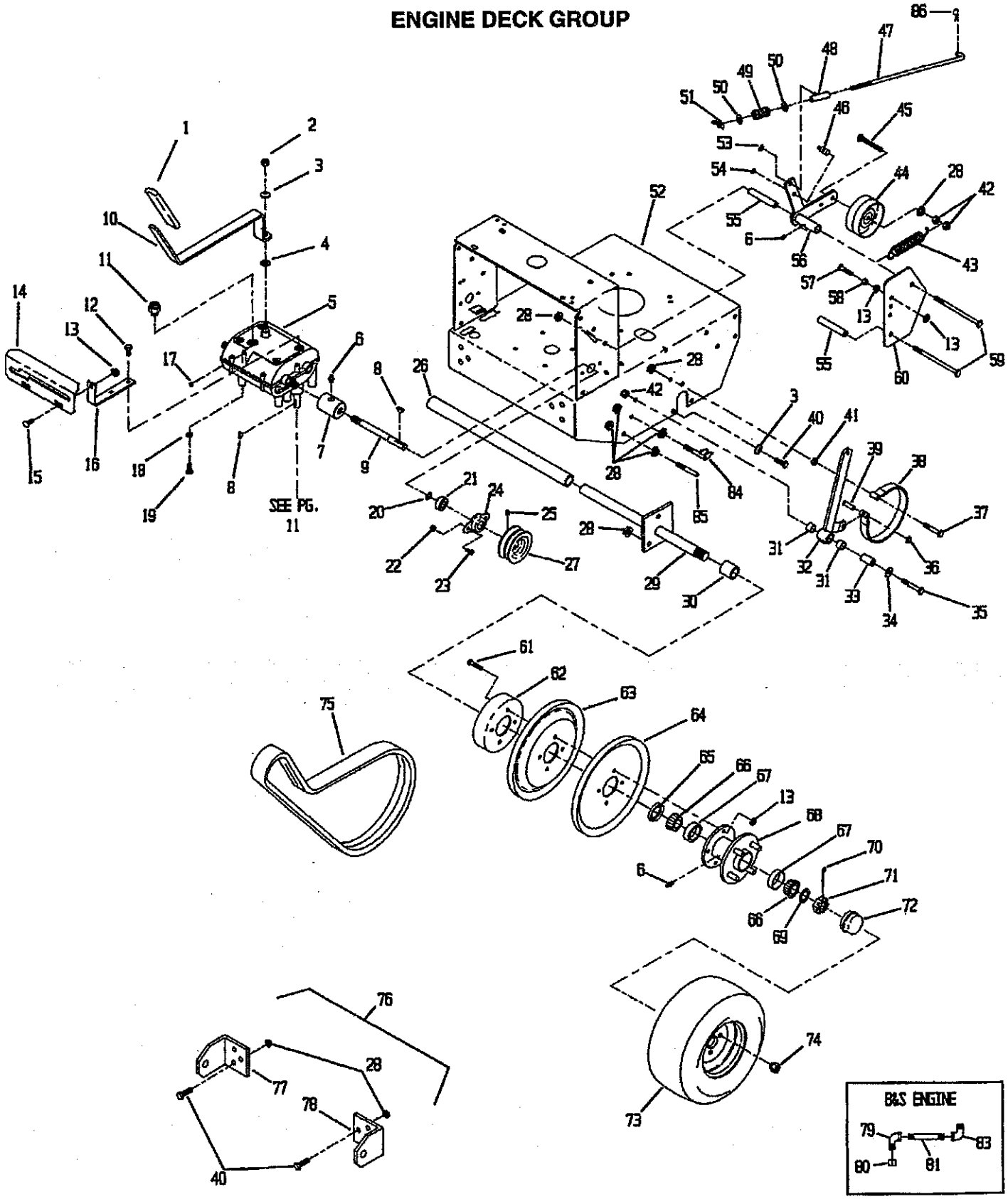
✧. Use Pro-lock (Nut type) Part No. 840022 (.5ml tube) on setscrew threads.

▲ Use Teflon Pipe Sealant (or equivalent) on all threaded areas.

Exmark red touch up spray paint - P/N 850337

Exmark black touch up spray paint - Gloss black

ENGINE DECK GROUP



ENGINE DECK GROUP (CONT.)

Ref. No.		Part No.	Description	Qty. Req'd.
1		800273	Screw, Hex Cap 5/16-18x1	6
2		805258	Washer, Flat Std 5/16	2
3		809001	Nut, Whizlck 5/16-18 (Kaw 14 HP & Koh	7
		809001	Nut, Whizlck 5/16-18 (Kaw 17 HP & B&S	11
4		413009	Plate, Guard	1
5	✧	800521	Screw, Hex Cap 3/8-24x1 G8	1
6		303327	Washer, Disc Spring 3/8	2
		303327	Washer, Disc Spring 3/8 (14 HP Kaw)	3
7		373034	Washer, Swivel	2
8		800271	Screw, Hex Cap 5/16-18x3/4	1
9	▲	412031	Sheave, w/Drum (36" & 52")	1
	▲	412028	Sheave, w/Drum (48")	1
10		807259	Key, Mach 1/4x1/4x1	1
11		412138	Pivot Pin Widmnt	1
12		413062	Band, Brake Clutch	1
13		804257	Nut, Nyloc 3/8-16	5
14		413235	Washer, Spacer	1
15		413207	Pivot, Bearing	2
16		412417	Arm Weldmt, Clutch	1
		414418	Clutch Arm w/Bearings	1
17		811007	Zerk, 1/4-28x45	1
18	▲	413111	Bearing, Clutch Shaft	2
19		808502	Ring, Snap	2
20		413012	Spacer, Bearing Clutch	1
21		523157	Washer, Spacer	1
22	▲	412011	Sheave w/Shaft	1
23		413049	Plate, Clutch Pivot	1
24		809007	Nut, Whizlock 3/8-16	3
25		804256	Nut, Nyloc 5/16-18	1
26		213069	Washer, Strut	1
27		513113	Spring, Belt Tension	1
28		543007	Spacer, Clutch Anchor	1
29		805260	Washer, Flat Std 3/8	1
30		513034	Pivot, Bearing	2
31		806003	Pin, Hair Cotter .0585 #2	1
32		413282	Linkage, Lower	1

Ref. No.		Part No.	Description	Qty. Req'd.
33		414143	Link Pivot w/Bearing	1
34		811006	Zerk, Straight 1/4-28	1
35		603044	Bushing, Idler Pivot	1
36		800297	Screw, Hex Cap 3/8-16x2-1/4	1
37		800274	Screw, Hex Cap 5/16-18x1-1/4	1
38		800254	Screw, Hex Cap 1/4-20x1	2
39		809012	Nut, Whizlock 1/4-20	4
40		523498	Spring, Motion Control	1
41		303334	Washer, Disc Spring 5/16	5
42	✧	809080	Screw, Hex Cap M10x1.55x55 mm (Kaw 14 HP only)	1
	✧	800819	Screw, Hex Cap 7/16-20x2 1/2 (Koh, B&S, & Kaw 17 HP only)	1
43		603610	Disc, Spring 7/16 (Koh, B&S, & Kaw 17 HP only)	2
44		603609	Bushing, Clutch Keeper	1
45	▲	413339	Sheave, Engine	1
46		807264	Key, Machine 1/4x1/4x2-5/8	1
47		412325	Guide, Belt Weldmt	1
48		413096	Belt, Blade Clutch	1
49	▲	323278	Sheave, Transmission	1
50	✧	803293	Screw, Set 1/4-20x3/8	2
51		805262	Washer, Flat Std 7/16	2
52		805259	Washer, Flat SAE 3/8	1
53		323285	Idler, Transmission Drive	1
54	✧	803310	Screw, Set 5/16-18x3/8	1
55	▲	323256	Sheave, Transmission Drive	1
56		413340	Spacer, Crankshaft	1
57		323280	Belt, Transmission Drive	1
58		800275	Screw, Hex Cap 5/16-18x1 1/2 (B&S & Kaw 17 HP)	4
		809072	Screw, Hex Cap M8-1.25x25 mm (Kaw 14 HP & Koh)	4
59		800294	Screw, Hex Cap 3/8-16x1 1/2	2
60		807511	Bolt, Carriage SSN 3/8-16x2	1

✧ Use Pro-lock (Nut type) Part No. 840022 (.5ml tube) on setscrew threads

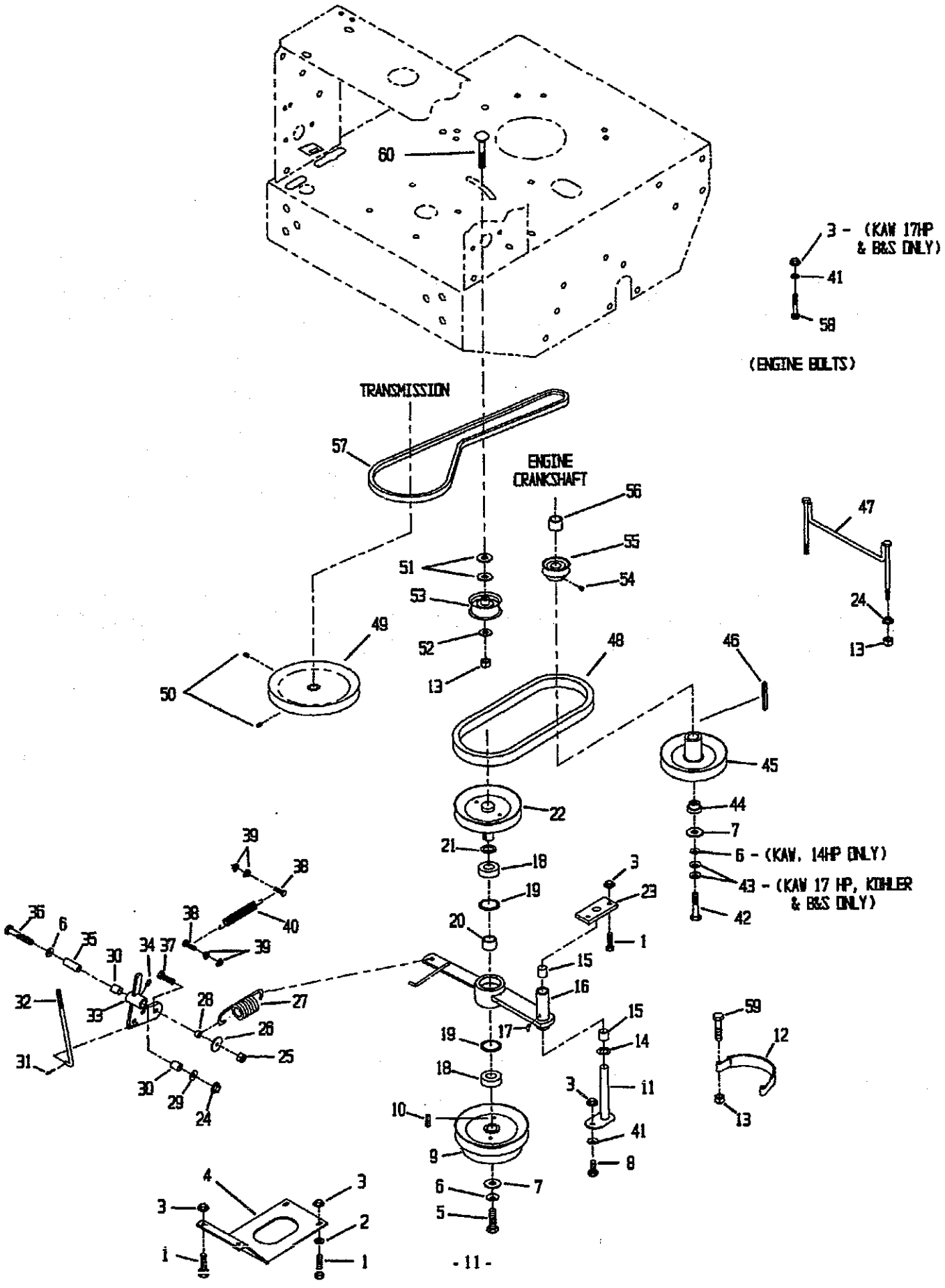
▲ Use anti-seize compound in the following locations:

- Between the sheave and the engine crankshaft.
- Between the sheave w/shaft and the bearing bores.
- Between the sheave w/shaft and the sheave w/drum.
- Between the transmission shaft and the sheave.

Exmark red touch up spray paint - P/N 850337

Exmark black touch up spray paint - Gloss black

ENGINE DECK GROUP (CONT.)



UPPER HANDLES and CONTROLS

Ref. No.		Part No.	Description	Qty. Req'd.
1	∇	412183	Lever, Wldmt OPC LH	1
2		303365	Bushing, Nylon	2
3	•	803322	Screw, Set .312-24x.312	2
4		322192	Rod Weldmt, OPC	1
5		303363	Spring, Actuator	1
6		513592	Knob, Ball Red	1
7		807513	Bolt, Carriage #10-24x1/2 G2	2
8		804252	Nut, Nyloc #10-24	2
9		323129	Cable, Throttle Control (Koh & Kaw 14 HP)	1
		633696	Cable, Throttle Control (B&S)	1
		413428	Cable, Throttle Control (Kaw 17 HP)	1
10	∇	412185	Lever, Wldmt OPC RH	1
11		303020	Grip, Lever	1
12		414234	Clutch Lever w/Grip	1
13		804257	Nut, Nyloc 3/8-16	1
14		805260	Washer, Flat Std 3/8	2
15		413088	Spacer	1
16		806003	Pin, Hair Cotter .0585 #2	3
17		413293	Linkage, Upper	1
18		413279	Turnbuckle, 3/8-16 SS	1
19		804507	Nut, Reg Hex 3/8-16	1
20		303097	Grip, Handle	2
21		800259	Screw, Hex Cap 1/4-20x2 1/4	2
22		303435	Washer, Disc Spring 1/4	6
23		324279	Latch, thumb LH w/grip	1
		324280	Latch, thumb RH w/grip	1
24		303019	Grip, Latch	2
25		323549	Spacer	2
26		804255	Nut, Nyloc 1/4-20	3
		804255	Nut, Nyloc 1/4-20 (B&S & Kaw 17 HP)	5
27		800295	Screw, Hex Cap 3/8-16x1-3/4	1
28		412372	Handle Wldmt	1
29		806340	Pin, Roll 5/16x1	2
30		803001	Nut, Pal 3/16	2
31		302006	Lever, Drive w/grip	2
32		808250	Pin, Clevis 3/16x1 3/4	2
33		303021	Grip, Drive Lever	1
34		808286	Pin, Clevis 5/16x1 7/8	2
35		413338	Linkage, Drive Wheel	2
36		303088	Clip, Cable	1
37		303327	Washer, Disc Spring 3/8	4

Ref. No.		Part No.	Description	Qty. Req'd.
38		800292	Screw, Hex Cap 3/8-16x1	4
39		513508	Cap, Fuel Tank	1
40		413179	Tank, Fuel Intermediate	1
41	∇	633023	Stud	2
42		805257	Washer, Flat SAE 5/16	4
43		633349	Spring, Fuel tank	2
44		805005	Washer, Lock Hlcl Spg 5/16 Hvy	2
45		804256	Nut, Nyloc 5/16-18	2
46		800271	Screw, Hex Cap 5/16-18x3/4	2
47		513645	Bushing, Fuel Valve	1
48		543277	Elbow w/Screen	1
49		303077	Clamp, Fuel line (B&S & Kaw 17 HP)	4
		303077	Clamp, Fuel line (Kaw 14 HP)	5
		303077	Clamp, Fuel line (Koh)	6
50		603955	Hose, Fuel line 6" (Koh & Kaw 14 HP)	1
		543649	Hose, Fuel line 7" (B&S & Kaw 17 HP)	1
51		603770	Valve, Fuel	1
52		603776	Hose, Fuel line 2.5" (Kaw 14 HP & Koh)	1
		303471	Hose, Fuel line 12" (B&S & Kaw 17 HP)	1
53		303197	Filter, Fuel	1
54		303471	Hose, Fuel line 12" (Kaw 14 HP)	1
		603954	Hose, Fuel line 13.75" (Koh)	1
55		303308	Clamp, Fuel line (Kaw 14 HP)	1
56		403121	Switch, On/Off (B&S & Kaw 17 HP)	1
		603511	Key, Ignition	1
57		403118	Bracket, Key Switch (B&S & Kaw 17 HP	1
58		633181	Plate, Tapped	2
59		800251	Screw, Hex Cap 1/4-20x5/8 (B&S & Kaw 17 HP)	2
60		803028	Screw, Mach CRPH 10-24x5/8	4
61		513051	Switch, Neutral Lockout	2
62		323229	Clip, 3/8 Loom	2
63		303287	Tie, Plastic	4
64		323430	Module, Wiring Harness	1
65	•	413360	Harness, Wiring (Kaw 14 HP)	1
	•	413357	Harness, Wiring (Koh)	1
	•	413361	Harness, Wiring (B&S)	1
	•	413429	Harness, Wiring (Kaw 17 HP)	1
66		805256	Washer, Flat Std 1/4	1
67		800252	Screw, Hex Cap 1/4-20x3/4	1
68		809007	Nut, Whizlock 3/8-16	4

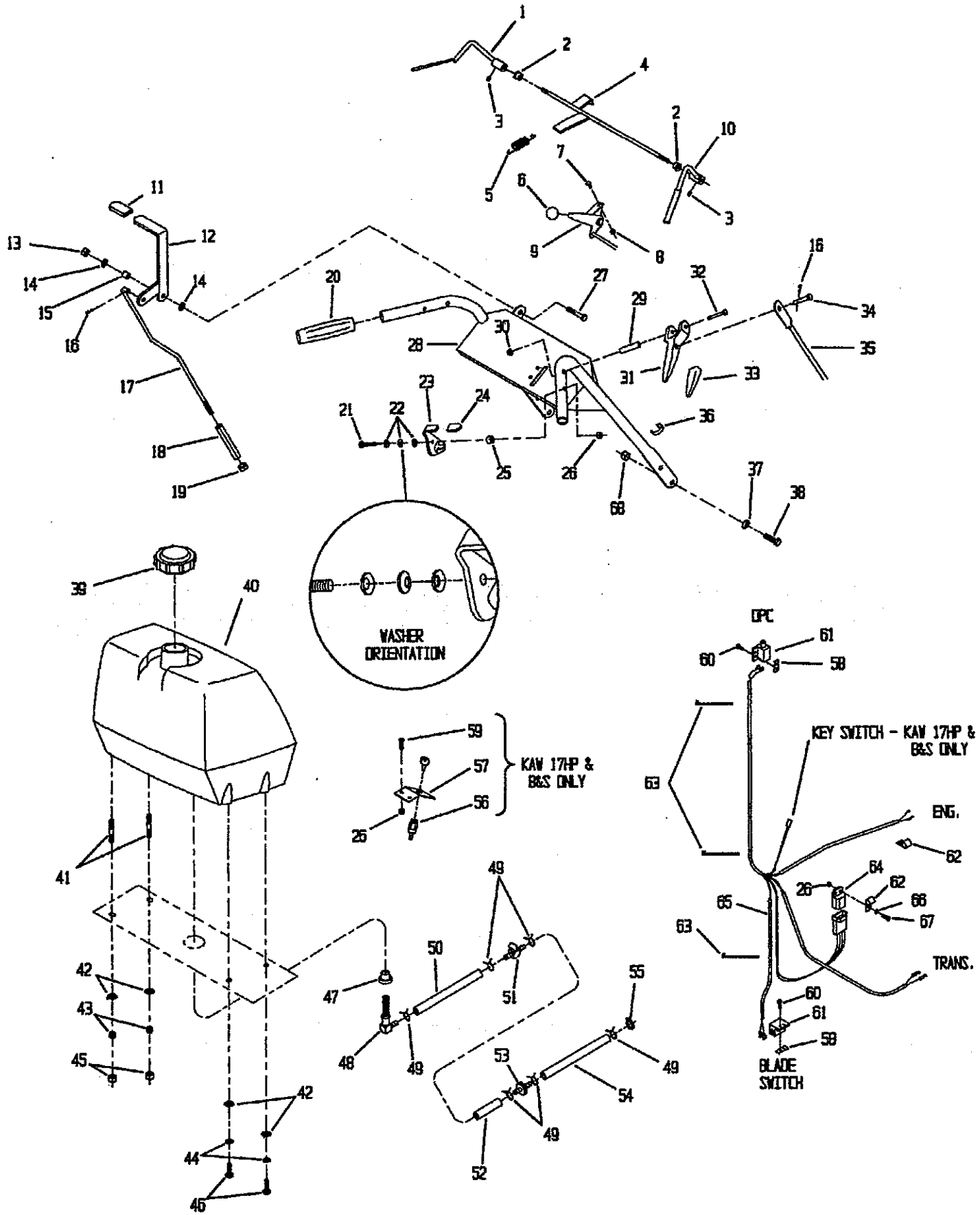
• Use Pro-lock nut type, Part No. 840022 (.5ml tube) on setscrew threads

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

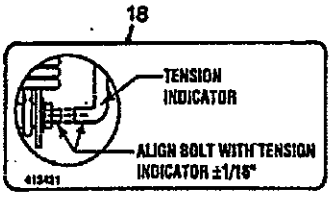
• Use dielectric grease on all electrical connectors.

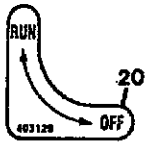
Exmark black touch spray paint - Gloss black

UPPER HANDLES and CONTROLS



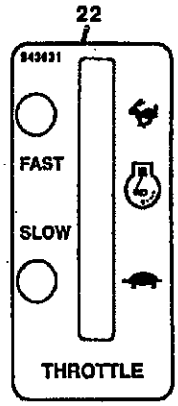
DECALS

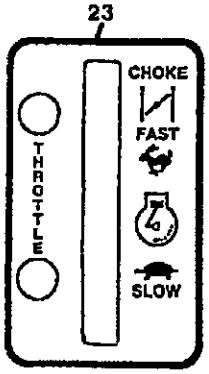


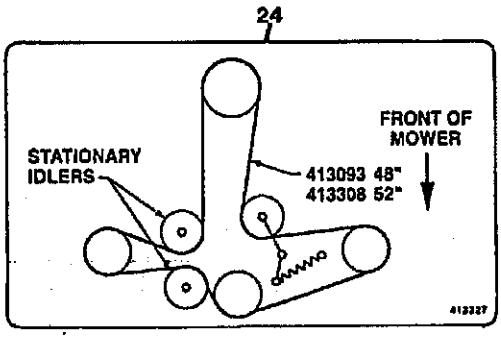


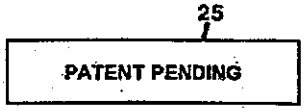




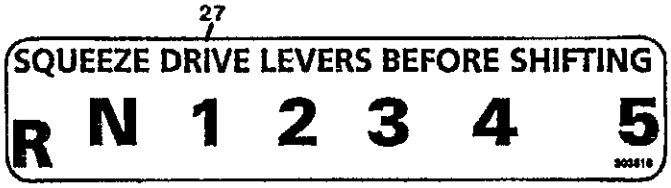












Ref. No.	Part No.	Description	Qty. Req'd.
1	303100	Decal, Cutter Blade	1
2	323550	Decal, Neutral/P.Brake	2
3	303293	Decal, 2 Min Cool	1
4	323525	Decal, Danger	1
5	303508	Decal, Discharge Warning	1
6	303517	Decal, Belt Drive	1
7	303520	Decal, Trivantage	1
8	323151	Decal, Throttle (Kaw 14 HP & Koh)	1
9	323554	Decal, Instructional	1
10	323411	Decal, Commercial 36	1
11	323540	Decal, Roller Mounting	1
12	513746	Decal, Muffler	2
13	403005	Decal, Danger (36)	1
	403005	Decal, Danger (48" & 52")	2

Ref. No.	Part No.	Description	Qty. Req'd.
14	403143	Decal, Sulky Warning	1
15	403132	Decal, Commercial 52	1
16	413206	Decal, Belt Routing (36")	1
17	543660	Decal, Mower deck	1
18	413421	Decal, Indicator	1
19	413371	Decal, MHP-swash	1
20	403120	Decal, Off/Run (B&S & Kaw 17 HP)	1
21	323312	Decal, Sm Metro Console	1
22	543631	Decal, Throttle (B&S)	1
23	323409	Decal, Throttle/Choke (Kaw 17 HP)	1
24	413327	Decal, Belt Routing (48" & 52")	1
25	373066	Decal, Patent Pending	1
26	403131	Decal, Commercial 48	1
27	303518	Decal, Shifter	1

DECALS

1



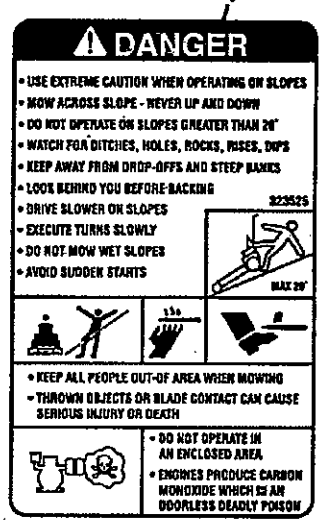
2



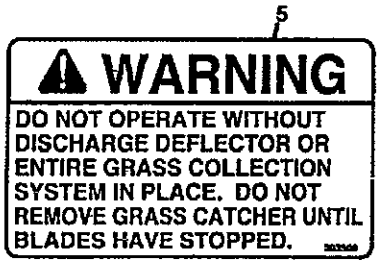
3



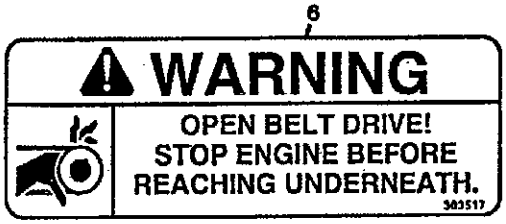
4



5



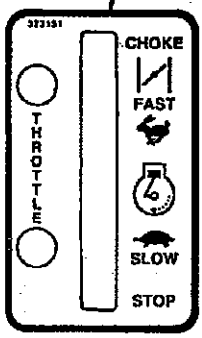
6



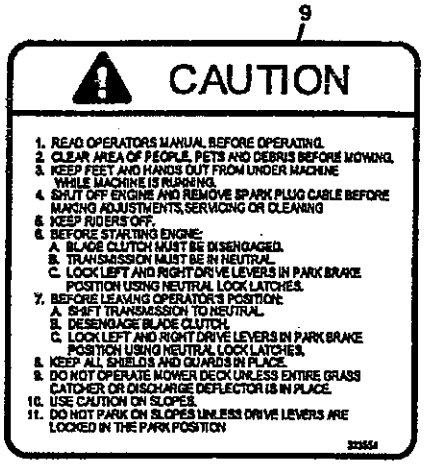
7



8



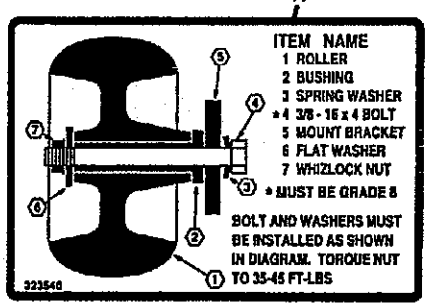
9



10



11



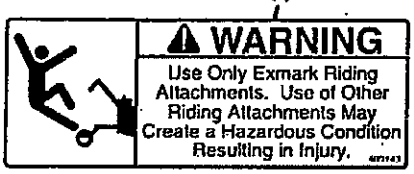
12



13



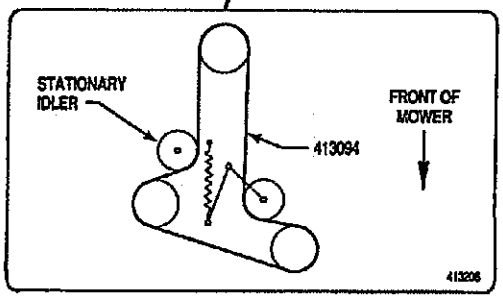
14



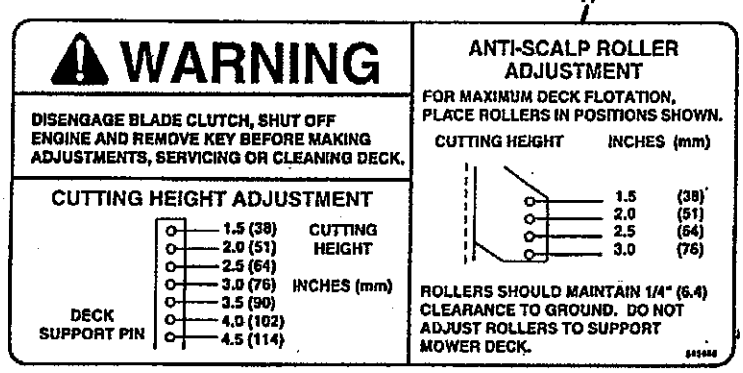
15



16

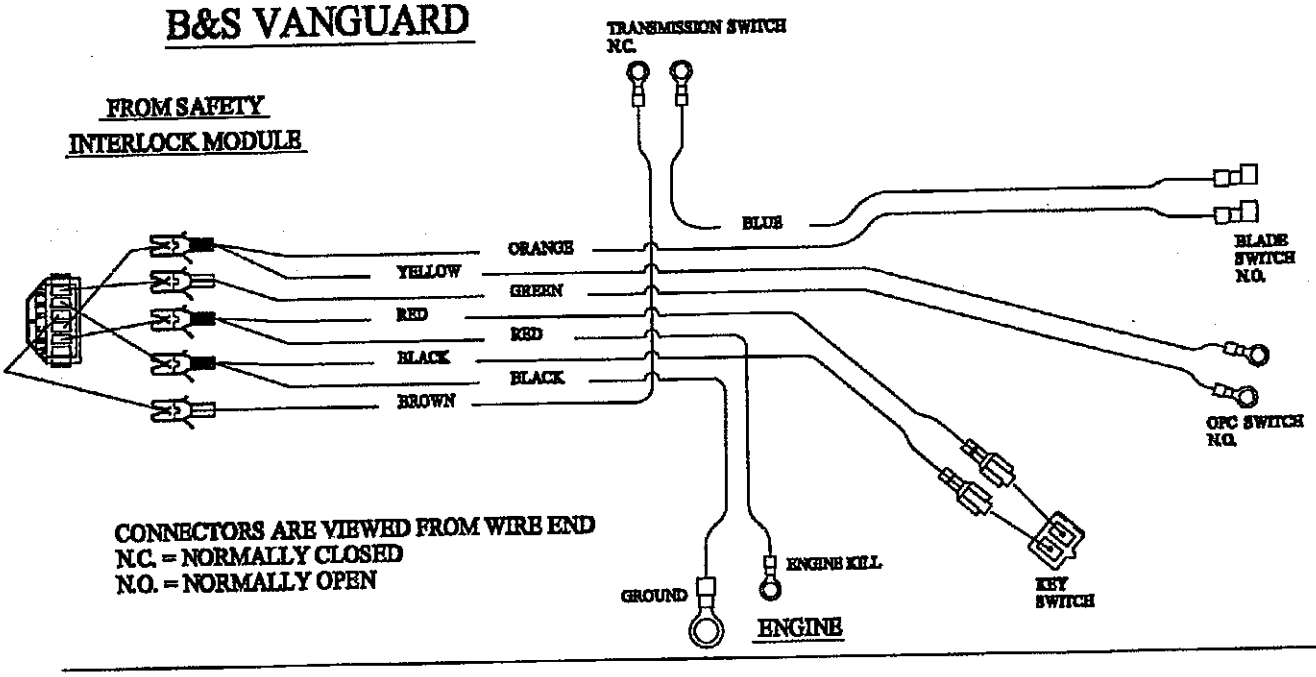


17

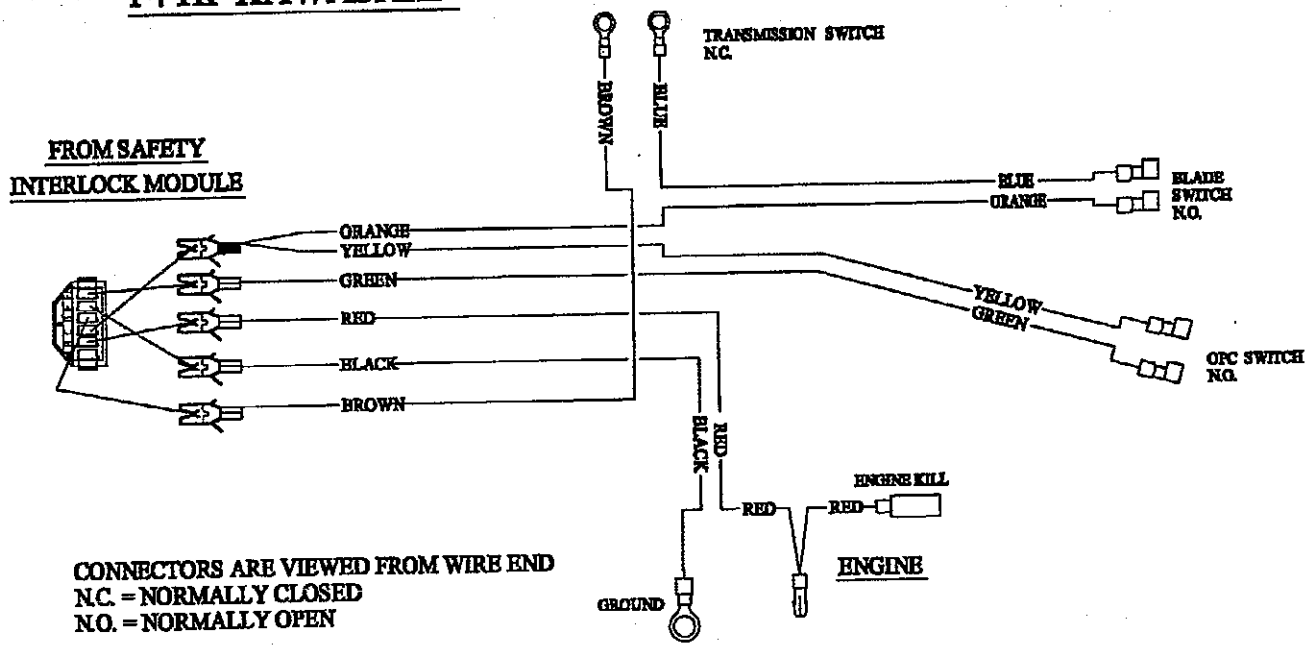


WIRING DIAGRAMS

B&S VANGUARD

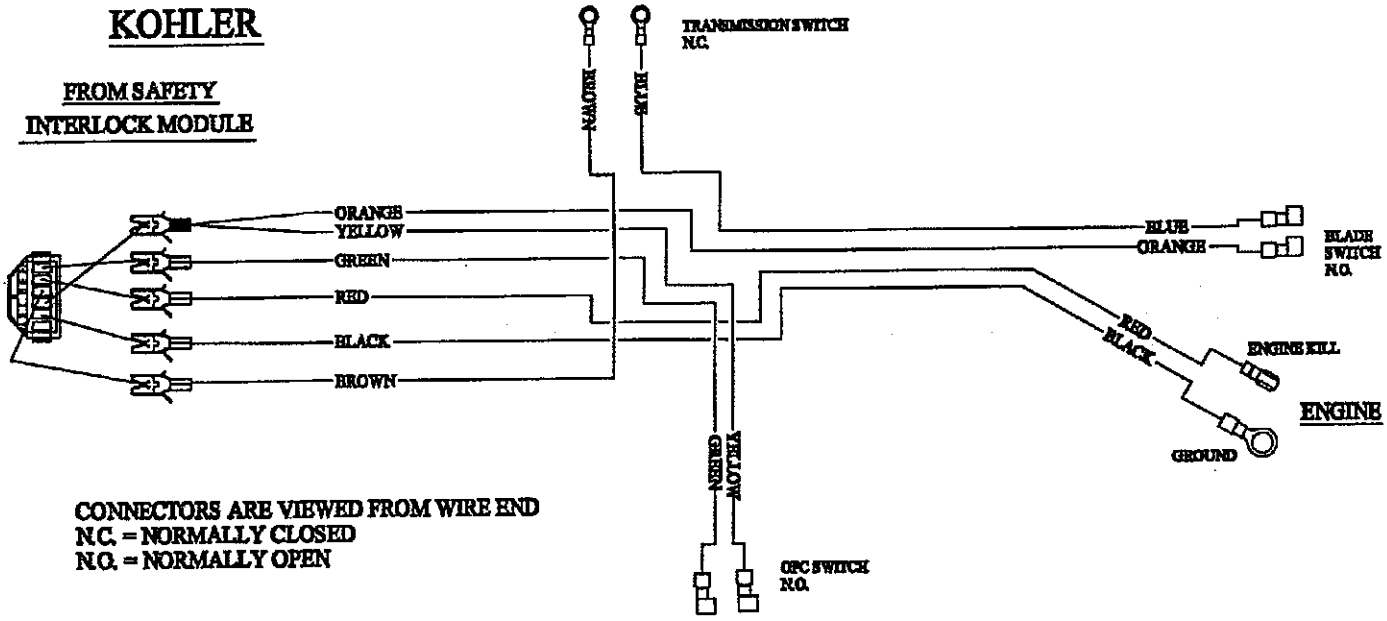


14 HP KAWASAKI



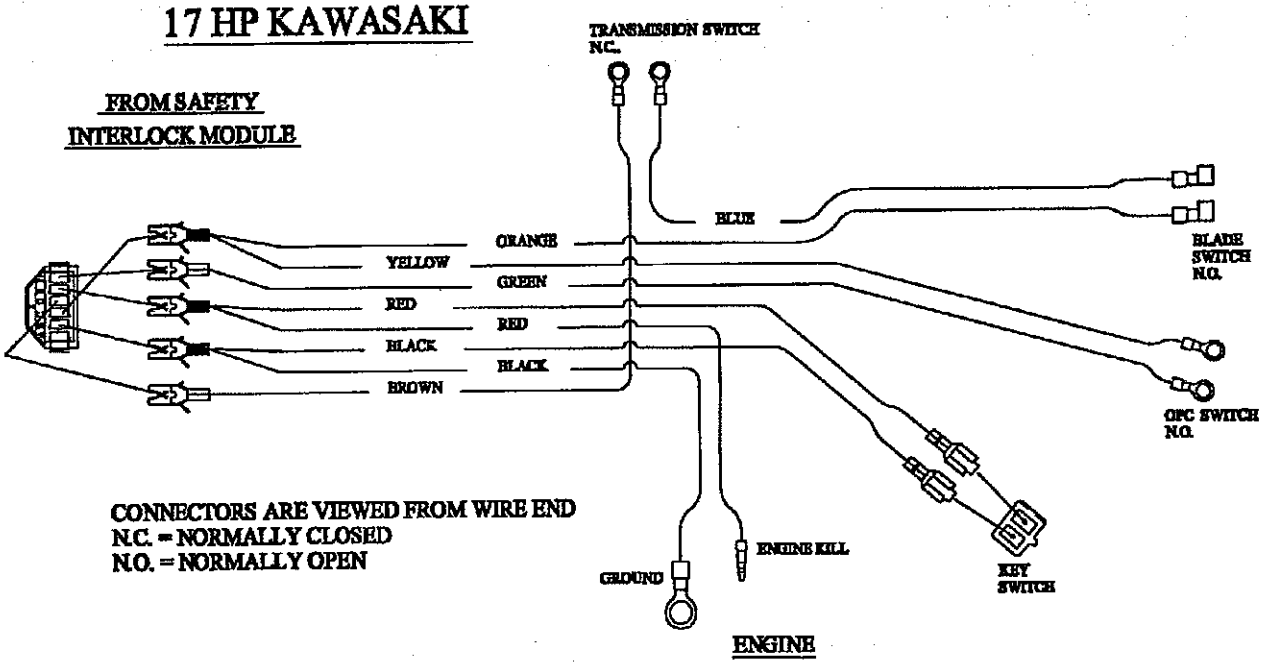
WIRING DIAGRAMS

KOHLER



---

17 HP KAWASAKI



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-MULCHING ACCESSORY

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

PART NO. 850472
(402) 223-6300
FAX (402) 223-4154

ALL RIGHTS RESERVED

PRINTED IN U.S.A.

eXmark MFG. CO. INC.