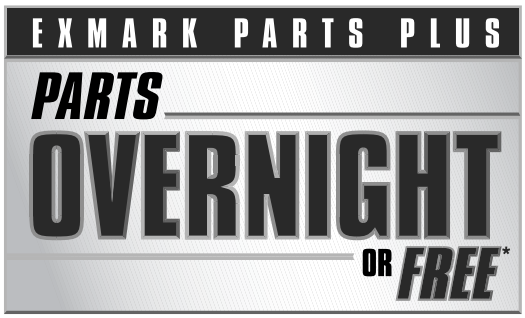
eXmark®

TURF TRACER® HP

Parts Manual

For Serial Nos.
790,000 & Higher
Part No. 4500-359 Rev. A



If your Exmark dealer does not have the Exmark part in stock, Exmark will get the parts to the dealer the next business day or the part will be FREE Guaranteed!! (Some restrictions apply. See your participating Exmark Dealer for details.)

⚠ WARNING

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

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36” MOWER DECK

Item	Part No.	Description	Qty.
1	1-414386	Shield, Belt (1-413098-01) W/Decals	1
2	1-323385	Knob	4
3	1-323417	Washer	4
4	1-414309	Wld, Support (1-412108-01) W/Bushings & Decals	1
5	1-413425	Spacer, Front Deck Support	2
6	1-513336	Bushing, Deck Support	2
7	302-61	Zerk, 45° 1/4-28	2
8	1-323539	Spacer	2
9	1-413525	Link, Deck Support	2
10	323-7	Screw, HH 3/8-16 x 1 1/4	20
11	3220-3	Nut, Jam 3/8-24	2
12	32120-33	Ring, Retaining	2
13	1-806009	Hairpin, Cotter #206	4
14	302-52	Zerk, 1/8-27 Str	2
15	323-6	Screw, HH 3/8-16 x 1	2
16	3253-5	Washer, Lock 3/8 Heavy	2
17	109-6658	Nut, Nyloc 3/8-16 Flg	2
18	1-303514	Bearing, Flange	4
19	3217-9	Nut, Hex 1/2-13	2
20	3253-7	Washer, Lock 1/2	2
21	1-522143-01	Wld, Caster	2
22	325-20	Screw, HH 1/2-13 x 6	2
23	3290-357	Nut, Whizlock 3/8-16	11
24	98-5975	Washer, Spring Disk 3/8	11
25	109-9220	Screw, SEMS 1/2-20 x 2.19	2
26	103-3037	Bushing, Splined	2
27	109-5151	Deflector, Discharge	1
28	1-413094	Belt, Deck Drive	1
29	103-3330	Spring, Extension	1
30	3296-39	Nut, Nyloc 3/8-16	13
31	103-3506	Seal, Single Lip	1
32	32120-10	Ring, Retaining	2
33	302-40	Zerk, 90° 1/4-28	1
34	3234-11	Screw, HH FLG 3/8-16 x 1	1
35	3256-24	Washer, 3/8 SAE	2
36	1-413099	Pulley, Idler	1
37✖	103-8584	Kit, Idler Arm (103-7327-03) W/Brgs	1
38	103-3504	Bearing, Spherical	2
39	1-613098	Pulley, Idler	1
40	1-413113	Bushing, Idler	1

Item	Part No.	Description	Qty.
41	116-0962	Spring	1
42	32128-20	Nut, Whizlock 5/16-18	3
43	109-8854	Pin, Chute	1
44	1-603001	Rod, Deck Support	2
45	1-806332	Rollpin, 1/4 x 1 1/2	2
46	322-2	Screw, HH 5/16-18 x 5/8	3
47	1-414383	Wld, Deck (116-0613-01) W/Decals, Discharge Baffle & Support Rods	1
48	1-522480-01	Baffle, Discharge	1
49	1-613204	Balljoint	2
50	323-13	Screw, HH 3/8-16 x 2 3/4	1
51	98-5961	Screw, HH 3/8-16 x 4 Gr8	1
52◆	1-603299	Roller, Antiscalp	1
53	99-2842	Spacer	1
54	1-513809	Bearing. Roller Bearing	2
55	1-603050	Bushing Spacer	2
56	323-9	Screw, HH 3/8-16x1 3/4	2
57★	1-414521	Link, Assembly	2
58	1-411532	Kit, Link Assembly	2
59	103-0320	Asm, Deck Complete	1
60	3217-46	Nut, HH 3/4-16 Heavy	2
61	103-2802	Washer, Spring Disc 3/4	2
62✚	1-413424	Sheave W/ Hub	2
63✚	103-1330	Guard, Bearing Top	2
64	103-8280	Asm, Cutter Housing W/Bearings	2
65	103-9081	Asm, Cutter Housing Complete	2
66	103-2171	Kit, Tire & Wheel Asm W/Spacer	2
67	103-2535	Spacer, Guard Bottom	2
68✚❑	103-9071	Kit, Spindle	2
69	1-807268	Key, Machine 1/4 x 3/16 x 1	2
70	103-6402	Blade, 18.00 Notched	2
●	103-6392	Blade, 18.00 Mulching	2
	103-6387	Blade, 18.00 Low Lift	2
	103-6382	Blade, 18.00 Solid	2
	103-6397	Blade, 18.00 Extreme	2
71	1-513547	Spacer	2
72	1-513810	Bushing	4
73	106-7159	O-Ring	2
74	103-5677	Spacer	1
75	103-3505	Seal, Double, Lip	1
76	103-2916	Guard, Top	1

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

◆ Kit 103-4051 includes antiscalp roller, spacer, & mounting hardware.

★ Link assembly nominal length is 6.89” (or approximately 6 7/8”) between center of ball joint and center of furthest hole. See diagram on next page. Initially adjust both links to this dimension, then adjust to where both links are equally supporting rear of mower deck by lengthening one link and shortening the other by an equal amount.

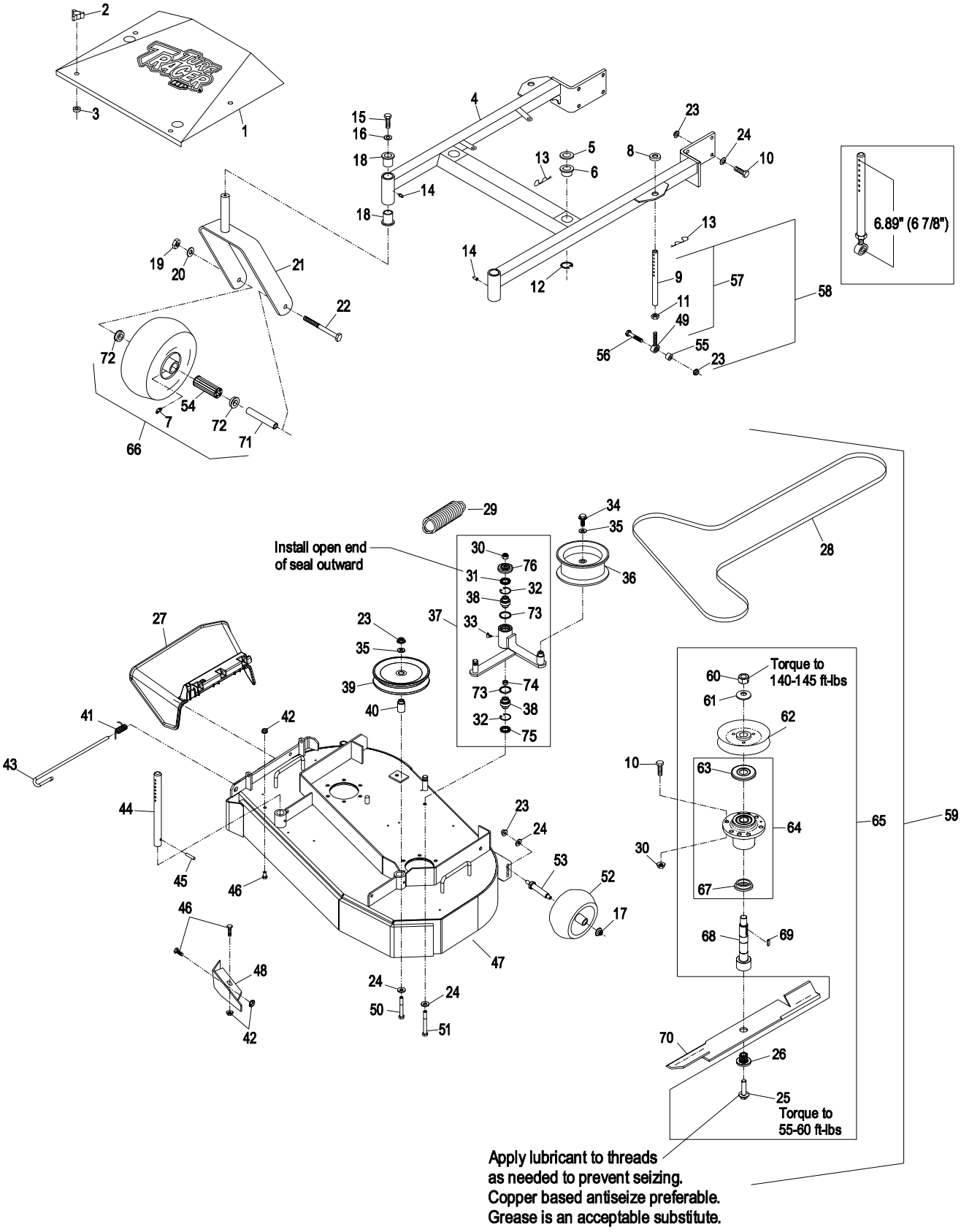
● Requires installation of Micro-Mulch accessory for proper mulching. Mulch kit P/N’s MK363Q(36”).

✚ Apply Mobil HTS grease (P/N 103-5217 1.5 oz packet) (or a food-grade anti-seize) between the spindles & bearings and spindles & sheaves and under top bearing guard. DO NOT use a copper or nickel based anti-seize.

✖ Idler arm kit also includes items 24 & 51.

❐ Kit includes items 25, 26, 60, 61, & 69.

36” MOWER DECK



48” MOWER DECK

Item	Part No.	Description	Qty.
1	1-414387	Shield, Belt (1-413101-01) W/Decals	1
2	1-323385	Knob	4
3	1-323417	Washer	4
4	1-414310	Wld, Support (1-412110-01) W/Bushings & Decals	1
5	1-413425	Spacer, Front Deck Support	2
6	1-513336	Bushing, Deck Support	2
7	302-61	Zerk, 45° 1/4-28	2
8	1-323539	Spacer	2
9	1-413525	Link, Deck Support	2
10	323-7	Screw, HH 3/8-16 x 1 1/4	26
11	3220-3	Nut, Jam 3/8-24	2
12	32120-33	Ring, Retaining	2
13	1-806009	Hairpin, Cotter #206	4
14	302-52	Zerk, 1/8-27 Str	2
15	323-6	Screw, HH 3/8-16 x 1	2
16	3253-5	Washer, Lock 3/8 Heavy	2
17	109-6658	Nut, Nyloc 3/8-16 Flg	4
18	1-303514	Bearing, Flange	4
19	3217-9	Nut, Hex 1/2-13	2
20	3253-7	Washer, Lock 1/2	2
21	1-522143-01	Wld, Caster	2
22	325-20	Screw, HH 1/2-13 x 6	2
23	3290-357	Nut, Whizlock 3/8-16	13
24	98-5975	Washer, Spring Disk 3/8	15
25	109-9220	Screw, SEMS 1/2-20 x 2.19	3
26	103-3037	Bushing, Splined	3
27	109-5151	Deflector, Discharge	1
28	1-413093	Belt, Deck Drive	1
29	103-3330	Spring, Extension	1
30	3296-39	Nut, Nyloc 3/8-16	19
31	103-3506	Seal, Single Lip	1
32	32120-10	Ring, Retaining	2
33	302-40	Zerk, 90° 1/4-28	1
34	3234-11	Screw, HH FLG 3/8-16 x 1	1
35	3256-24	Washer, 3/8 SAE	3
36	1-413099	Pulley, Idler	1
37✖	103-8585	Kit, Idler Arm (103-7356-03) W/Brgs	1
38	103-3504	Bearing, Spherical	2
39	1-613098	Pulley, Idler	1
40	1-413113	Bushing, Idler	2
41	3296-29	Nut, Nyloc 5/16-18	6
42	32128-20	Nut, Whizlock 5/16-18	3
43	109-8854	Pin, Chute	1

Item	Part No.	Description	Qty.
44	1-603001	Rod, Deck Support	2
45	1-806332	Rollpin, 1/4 x 1 1/2	2
46	322-2	Screw, HH 5/16-18 x 5/8	3
47	1-414384	Wld, Deck (116-0614-01) W/Decals, Discharge Baffle & Support Rods	1
48	1-522480-01	Baffle, Discharge	1
49	1-613204	Balljoint	2
50	323-13	Screw, HH 3/8-16 x 2 3/4	2
51	98-5961	Screw, HH 3/8-16 x 4 Gr8	1
52◆	1-603299	Roller, Antiscalp	4
53	99-2842	Spacer	4
54	1-513809	Bearing. Roller Bearing	2
55	1-603050	Bushing Spacer	2
56	323-9	Screw, HH 3/8-16x1 3/4	2
57★	1-414521	Link, Assembly	2
58	103-2970-01	Shield, Belt	2
59	3256-3	Washer, 5/16 Std	6
60	1-800017	Bolt, HH 5/16-18 x 3 1/4 Tap	2
61	1-411532	Kit, Link Assembly	2
62	103-0321	Asm, Deck Complete	1
63	3217-46	Nut, HH 3/4-16 Heavy	3
64	103-2802	Washer, Spring Disc 3/4	3
65✚	1-413424	Sheave W/ Hub	3
66✚	103-1330	Guard, Bearing Top	3
67	103-8280	Asm, Cutter Housing W/Bearings	3
68	103-9081	Asm, Cutter Housing Complete	3
69	103-2171	Kit, Tire & Wheel Asm W/Spacer	2
70	103-2535	Spacer, Guard Bottom	3
71✚❑	103-9071	Kit, Spindle	3
72	1-807268	Key, Machine 1/4 x 3/16 x 1	3
73	103-6401	Blade, 16.25 Notched	3
●	103-6391	Blade, 16.25 Mulching	3
	103-6386	Blade, 16.25 Low Lift	3
	103-6381	Blade, 16.25 Solid	3
	103-6396	Blade, 16.25 Extreme	3
74	1-513547	Spacer	2
75	1-513810	Bushing	4
76	106-7159	O-Ring	2
77	103-5677	Spacer	1
78	103-3505	Seal, Double, Lip	1
79	103-2916	Guard, Top	1
80	109-0977	Pulley, Idler	1
81	116-0962	Spring	1

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

♦ Kit 103-4051 includes antiscalp roller, spacer, & mounting hardware.

★ Link assembly nominal length is 6.89” (or approximately 6 7/8”) between center of ball joint and center of furthest hole. See diagram on next page. Initially adjust both links to this dimension, then adjust to where both links are equally supporting rear of mower deck by lengthening one link and shortening the other by an equal amount.

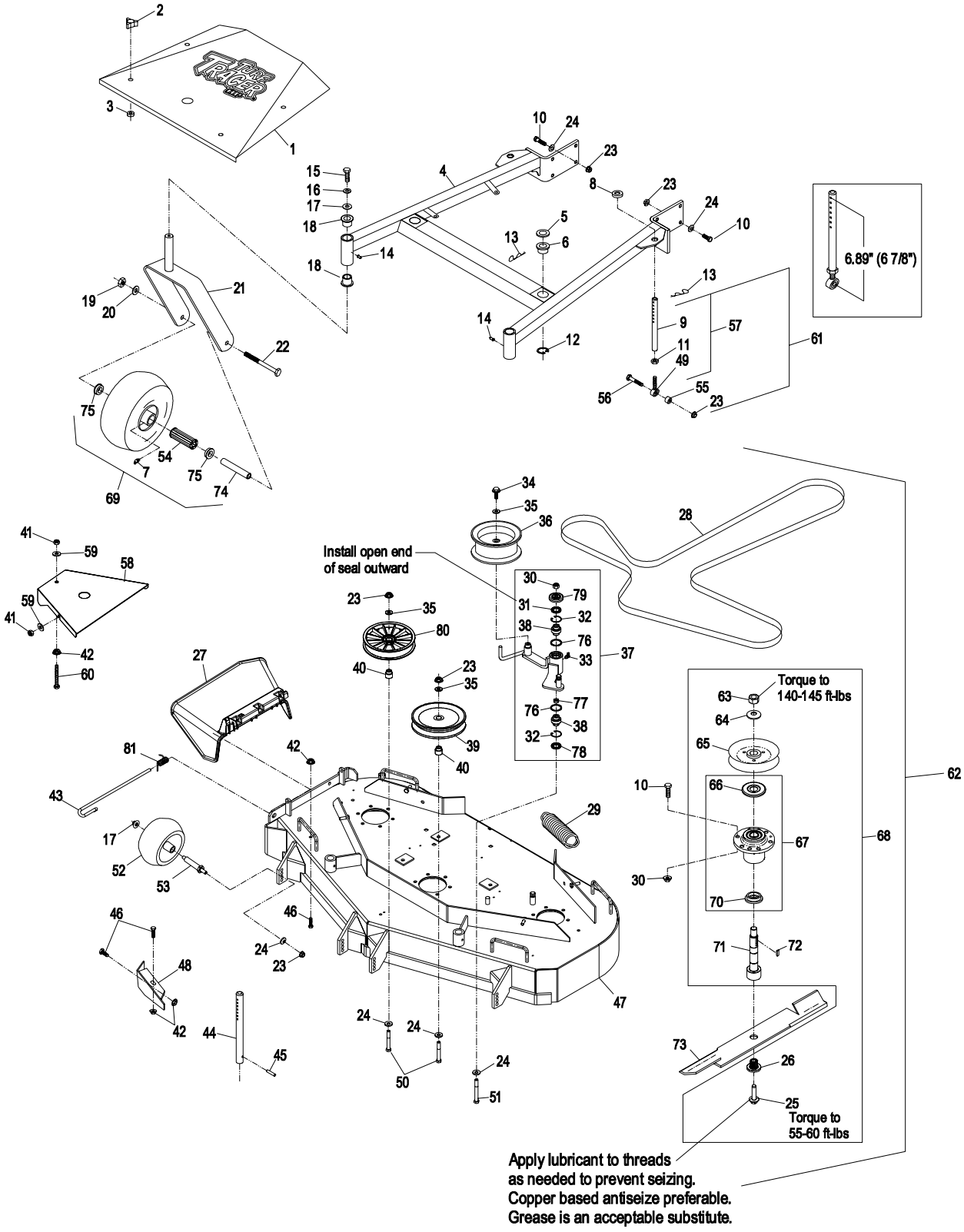
● Requires installation of Micro-Mulch accessory for proper mulching. Mulch kit P/N’s MK483Q(48”).

✚ Apply Mobil HTS grease (P/N 103-5217 1.5 oz packet) (or a food-grade anti-seize) between the spindles & bearings and spindles & sheaves and under top bearing guard. DO NOT use a copper or nickel based anti-seize.

✖ Idler arm kit also includes items 24 & 51.

❒ Kit includes items 25, 26, 63, 64, & 72.

48” MOWER DECK



52” MOWER DECK

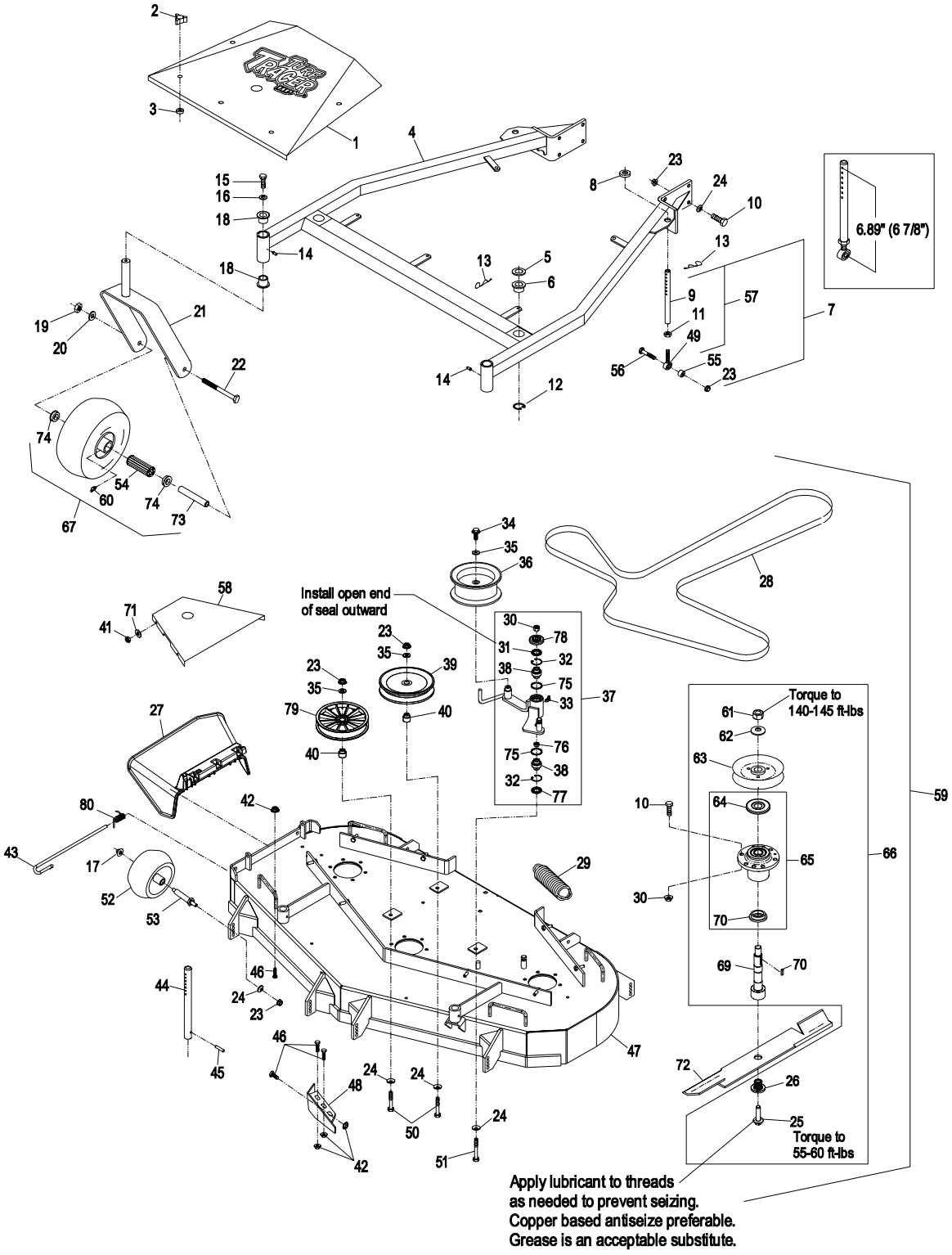
Item	Part No.	Description	Qty.
1	1-414388	Shield, Belt (1-413303-01) W/Decals	1
2	1-323385	Knob	5
3	1-323417	Washer	5
4	1-414311	Wld, Support (1-412317-01) W/Bushings & Decals	1
5	1-413425	Spacer, Front Deck Support	2
6	1-513336	Bushing, Deck Support	2
7	1-411532	Kit, Link Assembly	2
8	1-323539	Spacer	2
9	1-413525	Link, Deck Support	2
10	323-7	Screw, HH 3/8-16 x 1 1/4	26
11	3220-3	Nut, Jam 3/8-24	2
12	32120-33	Ring, Retaining	2
13	1-806009	Hairpin, Cotter #206	4
14	302-52	Zerk, 1/8-27 Str	2
15	323-6	Screw, HH 3/8-16 x 1	2
16	3253-5	Washer, Lock 3/8 Heavy	2
17	1-373034	Washer	2
18	1-303514	Bearing, Flange	4
19	3217-9	Nut, Hex 1/2-13	2
20	3253-7	Washer, Lock 1/2	2
21	1-522143-01	Wld, Caster	2
22	325-20	Screw, HH 1/2-13 x 6	2
23	3290-357	Nut, Whizlock 3/8-16	18
24	98-5975	Washer, Spring Disc 3/8	17
25	109-9220	Screw, SEMS 1/2-20 x 2.19	3
26	103-3037	Bushing, Splined	3
27	109-5151	Deflector, Discharge	1
28	1-413308	Belt, Deck Drive	1
29	103-3330	Spring, Extension	1
30	3296-39	Nut, Nyloc 3/8-16	19
31	103-3506	Seal, Single Lip	1
32	32120-10	Ring, Retaining	2
33	302-40	Zerk, 90° 1/4-28	1
34	3234-11	Screw, HH FLG 3/8-16 x 1	1
35	3256-24	Washer, 3/8 SAE	3
36	1-413099	Pulley, Idler	1
37✖	103-8585	Kit, Idler Arm (103-7356-03) W/Brgs	1
38	103-3504	Bearing, Spherical	2
39	1-613098	Pulley, Idler	1
40	1-413113	Bushing, Idler	2
41	3296-29	Nut, Nyloc 5/16-18	8
42	32128-20	Nut, Whizlock 5/16-18	6

Item	Part No.	Description	Qty.
43	109-8854	Pin, Chute	1
44	1-603001	Rod, Deck Support	2
45	1-806332	Rollpin, 1/4 x 1 1/2	2
46	322-2	Screw, HH 5/16-18 x 5/8	6
47	1-414385	Wld, Deck (116-0615-01) W/Decals, Discharge Baffle & Support Rods	1
48	1-602913-01	Baffle, Discharge	1
49	1-613204	Balljoint	2
50	323-13	Screw, HH 3/8-16 x 2 3/4	2
51	98-5961	Screw, HH 3/8-16 x 4 G8	1
52◆	1-603299	Roller, Antiscalp	6
53	99-2842	Spacer	6
54	1-513809	Bearing. Roller Bearing	2
55	1-603050	Bushing Spacer	2
56	323-9	Screw, HH 3/8-16x1 3/4	2
57★	1-414521	Link, Assembly	2
58	103-2971-01	Shield, Belt	2
59	103-0322	Asm, Deck Complete	1
60	302-61	Zerk, 45° 1/4-28	2
61	3217-46	Nut, HH 3/4-16 Heavy	3
62	103-2802	Washer, Spring Disc 3/4	3
63✚	1-413424	Sheave W/ Hub	3
64✚	103-1330	Guard, Bearing Top	3
65	103-8280	Asm, Cutter Housing W/Bearings	3
66	103-9081	Asm, Cutter Housing Complete	3
67	103-2171	Kit, Tire & Wheel Asm W/Spacer	2
68	103-2535	Spacer, Guard Bottom	3
69✚❑	103-9071	Kit, Spindle	3
70	1-807268	Key, Machine 1/4 x 3/16 x 1	3
71	3256-3	Washer, 5/16 Std	8
72	103-6402	Blade, 18.00 Notched	3
●	103-6392	Blade, 18.00 Mulching	3
	103-6387	Blade, 18.00 Low Lift	3
	103-6382	Blade, 18.00 Solid	3
	103-6397	Blade, 18.00 Extreme	3
73	1-513547	Spacer	2
74	1-513810	Bushing	4
75	106-7159	O-Ring	2
76	103-5677	Spacer	1
77	103-3505	Seal, Double, Lip	1
78	103-2916	Guard, Top	1
79	109-0977	Pulley, Idler	1
80	116-0962	Spring	1

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

- ♦ Kit 103-4051 includes antiscalp roller, spacer, & mounting hardware.
- ★ Link assembly nominal length is 6.89” (or approximately 6 7/8”) between center of ball joint and center of furthest hole. See diagram on next page. Initially adjust both links to this dimension, then adjust to where both links are equally supporting rear of mower deck by lengthening one link and shortening the other by an equal amount.
- ● Requires installation of Micro-Mulch accessory for proper mulching. Mulch kit P/N’s MK523Q(52”).
- ✚ Apply Mobil HTS grease (P/N 103-5217 1.5 oz packet) (or a food-grade anti-sieze) between the spindles & bearings and spindles & sheaves and under top bearing guard. DO NOT use a copper or nickel based anti-sieze.
- ✖ Idler arm kit also includes items 24 & 51.
- ❒ Kit includes items 25, 26, 61, 62, & 70.

52” MOWER DECK



ENGINE DECK GROUP

Item	Part No.	Description	Qty.
1✧	323-11	Screw, HH 3/8-16 x 2-1/4	2
✖	323-11	Screw, HH 3/8-16 x 2-1/4	1
2✧	98-5975	Washer, Spring Disc 3/8	11
✖	98-5975	Washer, Spring Disc 3/8	13
3	103-3506	Seal, Single Lip	1
4	1-513034	Bearing, Pivot	2
5	302-19	Zerk, 1/4-28 Str	1
6	1-414143	Asm, Bellcrank (1-412285-03) W/Brgs	1
7	322-6	Screw, HH 5/16-18 x 1-1/4	1
8	321-6	Screw, HH 1/4-20 x 1	2
9	32128-33	Nut, Whizlock 1/4-20	4
10	1-523498	Spring, Motion Control	1
11	103-7398	Spring, Belt Tension	1
12	1-543007	Spacer	1
13	1-213069	Washer	1
14	3296-29	Nut, Nyloc 5/16-18	3
15	3256-4	Washer, 3/8 Std	2
16	3290-357	Nut, Whizlock 3/8-16	19
17	1-413282	Linkage	1
18	1-806003	Hairpin, Cotter	1
19	109-1297	Asm, Deck (103-7345-01) W/Decals	1
20	323-4	Screw, HH 3/8-16 x 3/4	2
21	1-633068	Arm	1
22	32128-20	Nut, Whizlock 5/16-18	15
23	1-303334	Washer, Spring Disc 5/16	5
24✧	1-322110	Wld, Belt Guide	1
25✧	322-7	Screw, HH 5/16-18 x 1-1/2	3
✖	322-7	Screw, HH 5/16-18 x 1-1/2	4
26✧	322-9	Screw, HH 5/16-18x 1-3/4	1
27	3256-3	Washer, 5/16 Std	2
28✧	1-323366	Ring, Split	1
29	3296-39	Nut, Nyloc 3/8-16	5
30✧	323-6	Screw, HH 3/8-16 x 1	8
✖	323-6	Screw, HH 3/8-16 x 1	10
31	1-412080-01	Mount, Wheel Motor (36")	2
	1-412082-01	Mount, Wheel Motor (48"& 52")	2
32	323-6	Screw, HH 3/8-16 x 1	8
33	1-602997	Hub, W/Studs	2
	1-633926	Stud, Wheel 1/2-20	8
34	1-413473	Asm, Wheel & Tire (36")	2
	1-413474	Tire 16 x 6.50-8 (36")	2
	1-613263	Asm, Wheel & Tire (48" & 52")	2
	1-613264	Tire 16 x 7.50-8 (48" & 52")	2
	1-603715	Wheel	2
35	242-50	Nut, Lug 1/2-20	8
36	32136-5	Nut, Slotted 3/4-16	2
37	1-806800	Pin, Cotter 9/64 x 1-1/2	2
38	1-807264	Key, 1/4 x 1/4 x 2-5/8	1
39✚	103-6309	Asm, Drive Sheave	1
40	1-603609	Bushing	1
41	1-373034	Washer	2
42	1-603610	Washer, Spring Disk 7/16	2
43▽	3212-10	Screw, HH 7/16-20 x 2-1/2	1
44	3256-24	Washer, 3/8 SAE	2

Item	Part No.	Description	Qty.
45	109-4077	Pulley, Idler	1
46	1-603496	Bushing, Idler	1
47	103-8599	Spring, Extension	1
48	109-1296	Kit, Idler Arm (109-1208-03) W/Brgs	1
49	1481	Zerk, 45° 1/4-28	2
50	98-5961	Screw, HH 3/8-16 x 4 Gr8	1
51	323-9	Screw, HH 3/8-16 x 1-3/4	2
52✧	1-809069	Screw, HSH #10-24 x 7/8	1
53✧	1-323365	Chain, Cold Start	1
54✧	3256-14	Washer, #10 Std	1
55✧	3296-2	Nut, Nyloc #10-24	1
56	1-807272	Key, 5mm x 5mm x 25mm	2
57▽	1-803050	Setscrew, 5/16-18 x 3/4	4
58	109-1057	Belt, Pump Drive	1
59✚	1-413010	Sheave, Pump Drive	2
60	103-6317	Belt, Blade Clutch	1
61	1-807259	Key, 1/4 x 1/4 x 1	1
62✚	103-6308	Sheave W/Shaft	1
63✚	1-413111	Bearing, Clutch	2
64	32120-8	Ring, Retaining	2
65	1-413012	Spacer, Bearing	1
66	1-523157	Washer, Spacer	1
67	1-413049-01	Plate, Clutch Pivot	1
68	322-5	Screw, HH 5/16-18 x 1	6
69	1-413207	Pivot, Bearing	2
70	1-414418	Asm, Clutch Arm (1-412417-03) W/Bearings	1
71	1-413235	Washer, Spacer	1
72	1-412138-03	Wld, Pivot Pin	1
73	322-3	Screw, HH 5/16-18 x 3/4	3
74	1-413062	Band, Brake	1
75	323-8	Screw, HH 3/8-16 x 1 1/2	2
76	103-6310	Wld, Belt Guide	1
77✚	1-412031	Sheave W/Drum (36" & 52")	1
	1-412028	Sheave W/Drum (48")	1
78▽	1-800521	Screw, HH 3/8-24 x 1	1
79	1-413009-01	Plate, Guard	1
80	103-2056	Shield, Trailing	1
81	1-413510	Clip, Loom 1/2	2
82	1-413511	Hanger, Drag Shield	2
83✖	103-3442	Battery, Cover (1-543891) W/Decal	1
84✖	1-543792	Wingnut, Nyloc 1/4-20	2
85✖	1-413541	Trim-Lok, 1/8 x 5	1
86✖	103-1098	Stand W/ Trim-Lok	1
87✖	1-543882	Bolt, Hold Down	2
88	323-7	Screw, HH 3/8-16 x 1 1/4	1
89	32120-10	Ring, Retaining	2
90	1-807019	Key, Woodruff 1 x 1/4	2
91	103-3504	Bearing, Spherical	2
92	106-7159	O-Ring	2
93	103-5677	Spacer	1
94	103-3505	Seal, Double, Lip	1
95	103-2916	Guard, Top	1
96	95-5975	Washer, Spring Disc	8

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

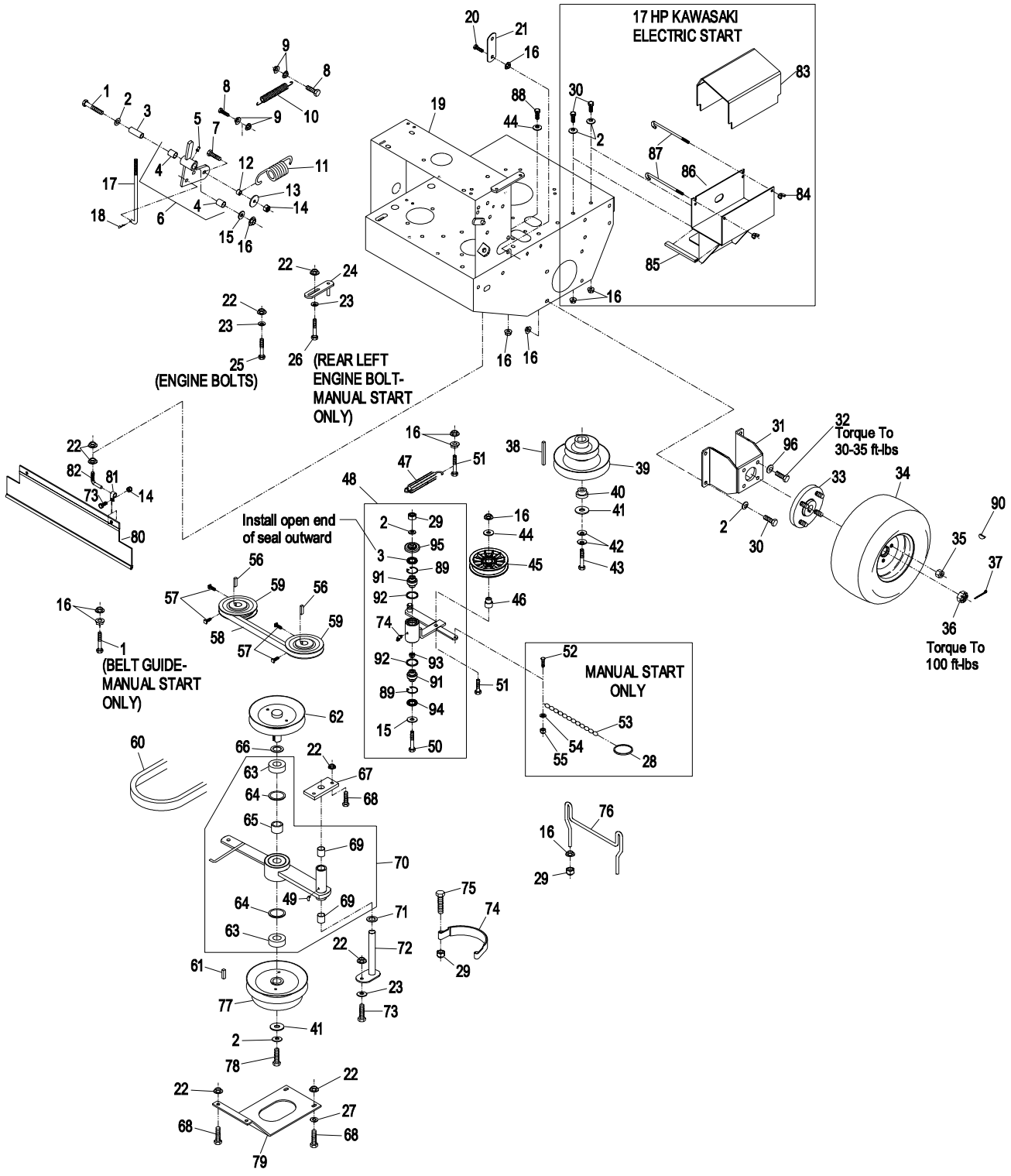
✧ Manual start only.

✖ Electric start only.

▽ Use Pro-Lock (nut type, Part no. 1-840022, 5 ml tube):
- on setscrew threads.
- on sheave retaining bolt in engine crankshaft.
- on sheave retaining bolt on clutch arm.

✚ Apply antiseize:
- between engine crankshaft and pump and blade drive sheave.
- between sheave w/shaft and bearing bores and sheave w/drum.
- between pump shafts and sheaves.

ENGINE DECK GROUP



ENGINE DECK GROUP (cont.)

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Item	Part No.	Description	Qty.
1	1-323245	Spring	1
2	32128-20	Nut, Whizlock 5/16-18	24
3	3296-29	Nut, Nyloc 5/16-18	2
4	1-613089	Tab, Spring Extension	2
5	1-603693	Spring, Extension	2
6	110-4897-01	Shield, Hydro	2
7	323-16	Screw, HH 3/8-16 x 4	6
8	302-19	Zerk, 1/4-28 Str	2
9	322-3	Screw, 5/16-18 x 3/4	8
10	1-805005	Washer, Lock 5/16 Heavy	4
11	3256-2	Washer, 1/4 Std	6
12	3290-357	Nut, Whizlock 3/8-16	15
13	1-323195-01	Spacer, Shield	4
14	1-633102	Bearing, Side Flange	2
15	1-323197-01	Spacer, Shield	4
16	1-603737	Bolt, Neutral Return	2
17	103-0265	Spring, Neutral Return	2
18	1-603735	Bushing, Nylon	2
19	3219-2	Nut, Hex 5/16-24	7
20	1-303105	Yoke	2
21	1-808280	Clevis Pin, 5/16 x 1	2
22	1-806003	Hairpin, Cotter	5
23	3220-2	Nut, Jam 5/16-24	2
24	1-413350	Rod, Control	2
25	1-412203-01	Wld, Crank	1
26	1-633131	Yoke, Brake Linkage	1
27	3256-23	Washer, 5/16 SAE	7
28	1-603676	Swivel, Short	2
29	1-800016	Bolt, HH 5/16-18 x 1-1/4 Tap	2
30	1-413489	Linkage, Lower Brake	1
31▽	1-803022	Setscrew, 5/16-18 x 5/8	2
32	103-1190-01	Wld, Arm LH	1
33	103-4796-01	Wld, Arm RH	1
34	3218-3	Nut, Jam 3/8-16	1
35	322-6	Screw, HH 5/16-18 x 1-1/4	3
36	3272-5	Pin, Cotter 3/32 x 1/2	2
37	1-603903	Spacer	1
38	1-403180	Screw, HH 5/16-18 x 1 3/8	2

Item	Part No.	Description	Qty.
39▽	1-809056	Screw, SH Shld 5/16-18 x 1 3/8	2
40	3256-24	Washer, 3/8 SAE	4
41	1-413151	Knob	1
42	1-323161	Spring	1
43	103-2085-03	Wld, Brake (36”)	1
	103-2004-03	Wld, Brake (48” & 52”)	1
44	109-0877	Asm, Oil Drain W/Plug	1
45	109-1012	Plug	1
46	1-413492	Linkage, Upper Brake	1
47✧	323-23	Screw, HH 3/8-16 x 4 1/2	1
✖	323-16	Screw, HH 3/8-16 x 4	1
48✧	3296-39	Nut, Nyloc 3/8-16	2
✖	3296-39	Nut, Nyloc 3/8-16	1
49	103-1148	Rod, Drive Lever	2
50	323-8	Screw, HH 3/8-16 x 1 1/2	2
51	103-1167	Joint, 3/8 LH Ball End	2
52	103-1166	Tube, Pump Link Spacer	2
53	3220-16	Nut, Jam 3/8-24 LH	2
54✧	323-16	Screw, HH 3/8-16 x 4	1
✖	323-23	Screw,3/8-16 x 4 1/2	1
55	1-303020	Grip, Lever	1
56	323-9	Screw, HH 3/8-16 x 1 3/4	2
57	323-4	Screw, HH 3/8-16 x 3/4	3
58	103-3495	Lever, Park Brake (1-412501-03) W/Decals	1
59	1-414504	Asm, ParkBrake Bracket (1-412502-03) W/Bushings	1
60	1-413347	Sleeve, Bushing	2
61	1-413344	Bushing, Pivot	1
62	323-10	Screw, HH 3/8-16 x 2	1
63	1-414508	Bellcrank, W/ Bushings	1
64	1-303548	Bushing, Plastic	1
65	32128-21	Nut, 3/8-16 Flanged Side Lock	1
66	103-2399	Pin, Clevis Spring 3/8	1
67	3218-2	Nut, Jam 5/16-18	2
68	1-643312	Clip, Loom	1
69	116-1180-03	Guard, Muffler	1
70	115-4154-03	Bracket, Muffler	1

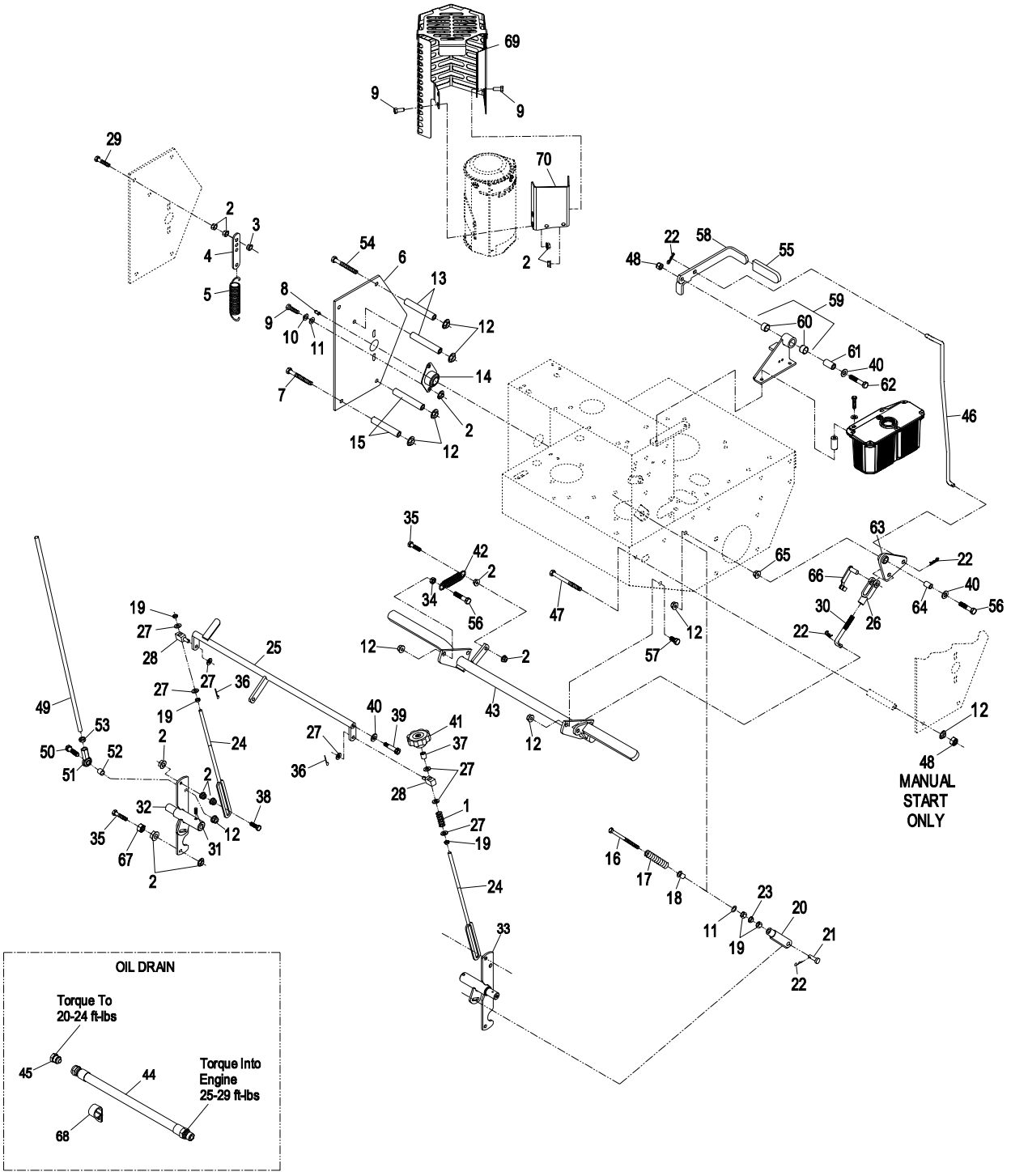
Exmark red touch up paint (spray paint - P/N 1-850337 - .6 oz liquid bottle - P/N 103-9140).

▽ Use Pro-Lock nut type, Part No. 1-840022 (.5 ml tube) on shoulder bolts & setscrew threads.

✧ Manual start only.

✖ Electric start only.

ENGINE DECK GROUP (cont.)



ECS UPPER HANDLES and CONTROLS

Item	Part No.	Description	Qty.
1	1-303020	Grip	1
2	1-414234	Asm, Lever (1-412295-03) W/Grip	1
3	3256-4	Washer, 3/8 Std	2
4	323-11	Screw, HH 3/8-16 x 2-1/4	1
5	322-9	Screw, HH 5/16-18 x 1 3/4	2
6	3296-39	Nut, Nyloc 3/8-16	1
7	1-806003	Hairpin, Cotter	3
8	103-1149	Link, Blade Engagement	1
9	1-413279	Turnbuckle	1
10	3217-7	Nut, Hex 3/8-16	1
11✚	103-1566-03	Wld, OPC Lever LH	1
12▽	1-803322	Setscrew, 5/16-24 x 5/16	2
13	1-303365	Bushing, Nylon	2
14	103-0769-03	Wld, OPC Lever Axle	1
15	1-303363	Spring, Opc Extension	1
16✚	103-1567-03	Wld, OPC Lever RH	1
17	1-807513	Bolt, Carriage #10-24 x 1/2	2
18▽	103-2605	Fitting, Fuel Bulkhead W/Strainer	1
19	109-3958	Cable, Throttle	1
20	3296-2	Nut, Nyloc #10-24	2
21	103-0770-03	Wld, ECS Upper Handle	1
22	103-0815	Grip, Handle Bar	2
23	1-413152	Bearing	4
24	103-2466-03	Lever, Drive LH	1
25	103-0027	Bushing, Drive Lever	2
26	321-14	Screw, HH 1/4-20 x 2 3/4	2
27✖	32128-33	Nut, Whizlock 1/4-20	12
✧	32128-33	Nut, Whizlock 1/4-20	14
28	103-0464	Pin, Spring 1/8 x 1/2	2
29	3256-22	Washer 1/4 SAE	10
30	1-303435	Washer, Spring Disc 1/4	6
31	103-1371	Asm, Thumb Latch RH (Shown)	1
	103-1372	Asm, Thumb Latch LH (Not Shown)	1
32▽	103-0235	Screw, HH 1/4-20 x 1-1/8 W/Nylon	2
33	103-2465-03	Lever, Drive RH	1
34	3290-357	Nut, Whizlock 3/8-16	4
35	98-5975	Washer, Spring Disc 3/8	4
36	323-6	Screw, HH 3/8-16 x 1	4

Item	Part No.	Description	Qty.
37	3220-3	Nut, Jam 3/8-24	4
38	322-10	Screw, 5/16-18 x 2	2
39	1-603716	Washer, Friction Disc	1
40	1-323244	Washer, Friction	2
41✖	109-4650	Asm, Console (109-4649-03)W/ Decals	1
✧	109-4651	Asm, Console (109-4649-03)W/ Decals	1
42	103-0773	Wld, Speed Shift	1
43	103-0423	Knob Nyloc 3/8-16	1
44	3296-29	Nut, Nyloc 5/16-18	4
45	1-323245	Spring, Compression	2
46	3256-23	Washer 5/16 SAE	5
47✖	321-3	Screw, HH 1/4-20 x 5/8	10
✧	321-3	Screw, HH 1/4-20 x 5/8	12
48	1-413225	Rod, Speed Control	1
49	3220-2	Nut, Jam 5/16-24	1
50	1-303105	Yoke	1
51	1-808280	Pin, Clevis 5/16 x 1	1
52	109-0346	Cap, Fuel	1
53	103-2893	Asm, Fuel Tank W/Fitting	1
54✚	1-633023	Stud, Fuel Tank	2
55	1-633349	Spring, Fuel Tank	2
56	1-805005	Washer, Lock 5/16 Heavy	2
57	322-3	Screw, HH 5/16-18 x 3/4	2
58	103-1796	Cable, Choke	1
59	103-1797-01	Bracket, Choke Cable	1
60	1-303077	Clamp, Fuel Line	4
61	109-0306	Hose, Fuel Line 6”	1
62	1-603770	Valve, Fuel	1
63	109-0293	Hose, Fuel Line 8.5”	1
64	**Kawasaki**	PN 41019-1055 Filter W/6” Fuel Line	1
65	3296-47	Nut, Nyloc 5/16-18 Thin	2
66	1-303287	Tie, Cable 5 1/2	1
67	103-2513	Asm, Drive Lever RH	1
	103-2514	Asm, Drive Lever LH	1
68	103-2463	Balljoint	2
69	103-0503	Bracket, Shifter Slide	1
70	103-0489-03	Bracket, Opc Axle	1
71	3219-3	Nut, Hex 3/8-24	2

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

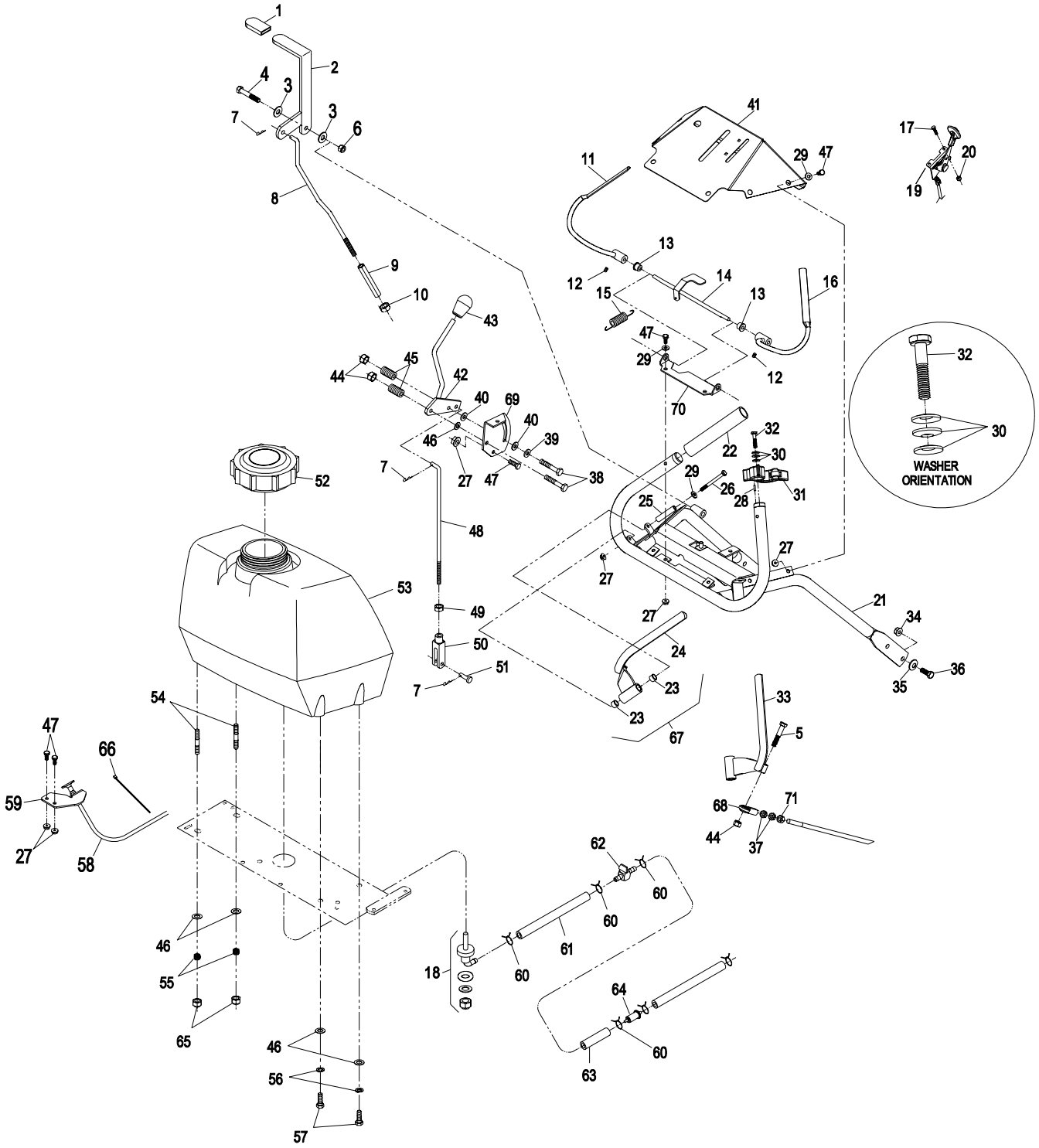
▽ Use Pro-Lock nut type, Part no. 1-840022 (.5cc tube) on setscrew threads, on thumblatch screws and on fuel fitting.

✚ Use Pro-Lock retaining type, Part no. 1-840023 (.5cc tube) on inside of bore of OPC hub and on fuel tank studs, where studs are inserted into tank.

✧ Manual start only.

✖ Electric start only.

ECS UPPER HANDLES and CONTROLS

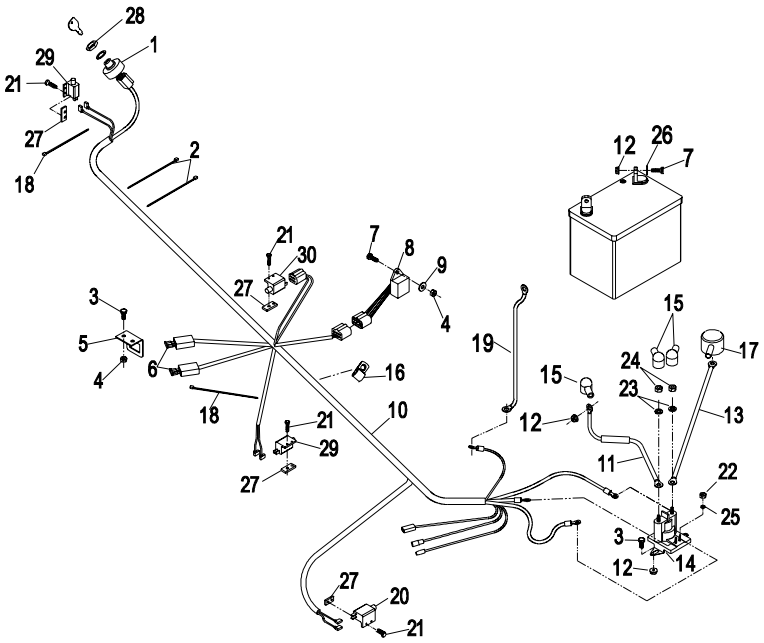


ELECTRICAL GROUP

Item	Part No.	Description	Qty.
1	1-543070	Switch, Ignition	1
	1-603511	Key, Ignition	1
	103-2106	Key, Exmark Logo	1
2	1-303335	Tie, Plastic Large	2
3	321-3	Screw, HH 1/4-20 x 5/8	2
4	3296-42	Nut, Nyloc 1/4 20	3
5	1-323442-01	Bracket, Fuse	1
6	1-816001	Fuse, 20A	2
7	321-4	Screw, HH 1/4-20 x 3/4	5
8	1-613198	Module	1
9	3256-22	Washer, 1/4 SAE	1
10●	103-2006	Harness, Wiring	1
11	109-9415	Cable, Solenoid/Starter +	1
12	32128-33	Nut, Whizlock 1/4-20	5
13	109-7628	Cable, Battery +	1
14	1-513075	Switch, 12V Solenoid	1
15	1-543393	Insulator, Solenoid +	3
16	1-603727	Clip, Loom	1
17	109-2407	Insulator, Battery +	1
18	1-303287	Tie, Cable	2
19	1-413540	Battery Cable	1
20	1-513152	Switch, N.C.	1
21	3290-500	Screw, PPH #10-24 x 5/8	8
22	3219-14	Nut, Hex #10-32	2
23	3253-4	Washer, Lock 5/16	2
24	3220-2	Nut, Jam 5/16-24	2
25	3253-17	Washer, Lock 3/16	2
26	3256-2	Washer, 1/4 Std	2
27	1-633181	Plate, Tapped	4
28	103-0498	Nut, Ignition Switch	1
29	1-513051	Switch, N.O.	2
30	1-633111	Switch N.O / N.C.	1

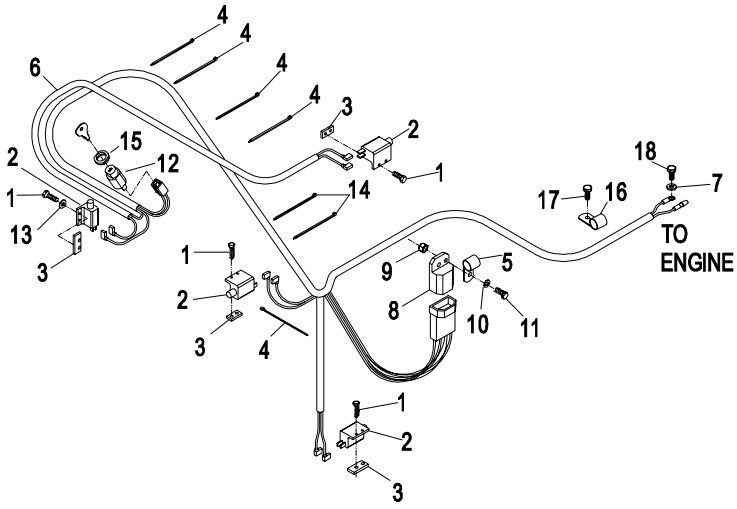
● Use dielectric grease on all electrical connectors.

ELECTRIC START



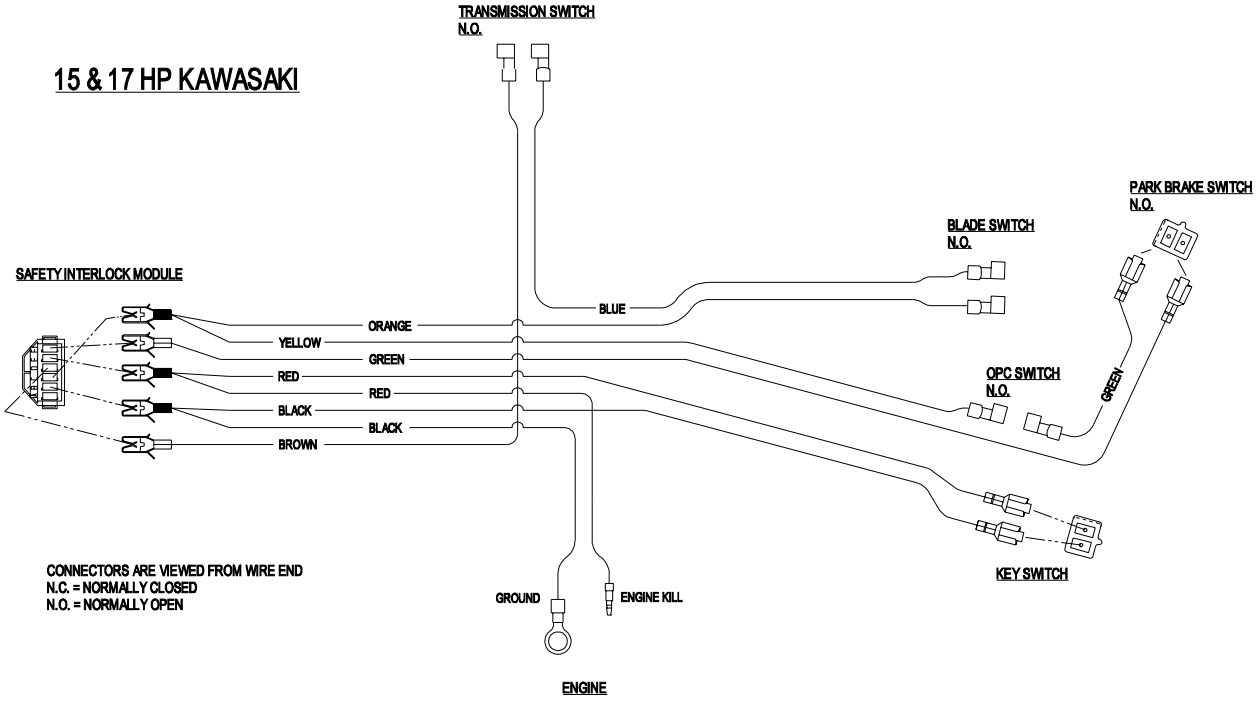
Item	Part No.	Description	Qty.
1	3290-500	Screw, HH #10-24 x 5/8	8
2	1-513051	Switch, N.O.	4
3	1-633181	Plate, Tapped	4
4	1-303287	Tie, Cable 5 1/2	5
5	1-323229	Clip, Loom 3/8	1
6	103-2005	Harness, Wiring	1
7	1-805004	Washer, Lock 1/4 Heavy	1
8	1-323430	Module, Interlock	1
9	3296-42	Nut, Nyloc 1/4-20	1
10	3256-22	Washer, 1/4 SAE	1
11	321-4	Screw, HH 1/4-20 x 3/4	1
12	1-403121	Switch, On/Off	1
	1-603511	Key, Ignition	1
	103-2106	Key, Exmark Logo	1
13	3256-14	Washer, #10 Std	1
14	1-303335	Tie, Cable 7 5/16	2
15	103-0498	Nut, Ignition Switch	1
16	1-413510	Clip, Loom 1/2	1
17	33114-016	Screw, HH M8-1.25 x 16mm	1
18	33113-016	Screw, HH M6-1.00 x 16mm	1

MANUAL START



WIRING DIAGRAMS

15 & 17 HP KAWASAKI



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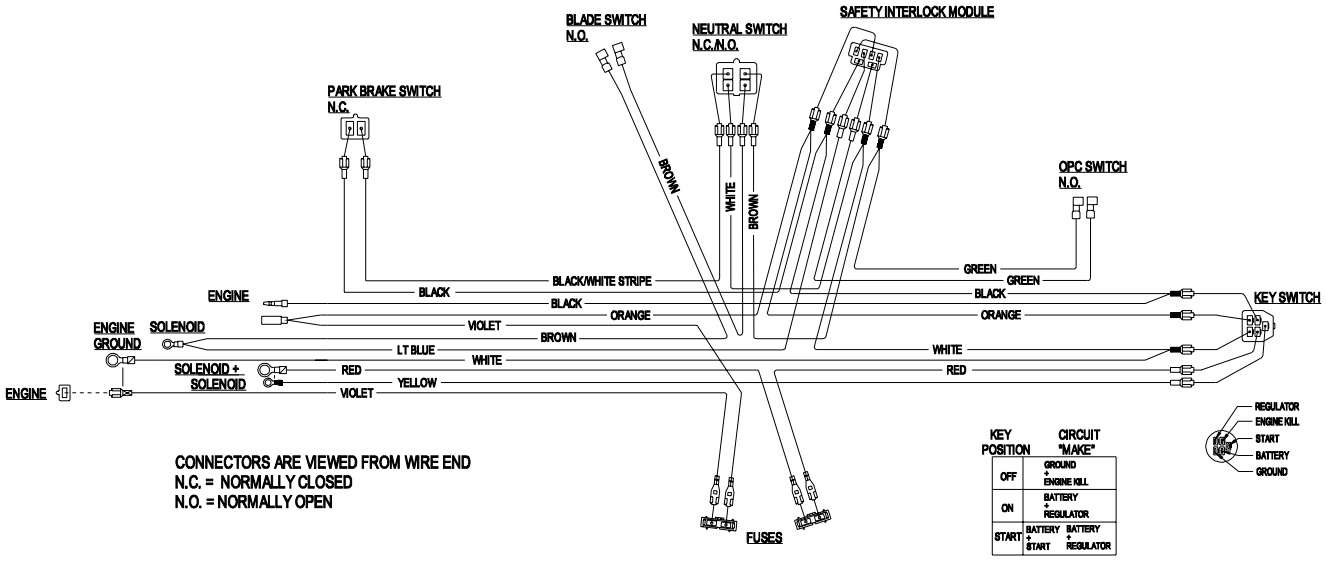
19 HP KAWASAKI ELECTRIC START



DECALS

Item	Part No.	Description	Qty.
1	103-2242	Decal, ECS Instruction LH	1
2	103-2243	Decal, ECS Instruction RH	1
3	1-303520	Decal, Trivantage	1
4	109-3148	Decal, Bolt Torque	1
5	1-303508	Decal, Discharge Warning	1
6	1-413421	Decal, Indicator	1
7	103-2103	Decal, Park Brake	1
8✖	103-1976	Decal, Ecs Console	1
9	116-0404	Decal, Hydraulic Tank	1
10	103-2939	Decal, Tthp Model	1
11	103-1798	Decal, Throttle	1
12	103-2882	Decal, Exmark Logo	1
13	1-303517	Decal, Belt Drive	1
14✧	103-1977	Decal, Ecs Console	1
15	103-2076	Decal, Caution Hot Surface	2

Item	Part No.	Description	Qty.
16	1-413214	Decal, Tracking	1
17	1-553049	Decal, Mower Deck	1
18	1-323411	Decal, Commercial 36	1
19	1-403131	Decal, Commercial 48	1
20	1-403132	Decal, Commercial 52	1
21	1-403143	Decal, Sulky Warning	1
22✖	1-513747	Decal, Battery	1
23	103-4935	Decal, Drive Wheel Release	1
24	98-5954	Decal, Missing Cover (36”)	1
	98-5954	Decal, Missing Cover (48” & 52”)	3
25	1-413206	Decal, Belt Routing (36”)	1
26	1-413327	Decal, Belt Routing (48” & 52”)	1
27	1-403005	Decal, Danger	2
	103-2461	Decal Kit	

✧ Manual start only.
✖ Electric start only.

DECALS

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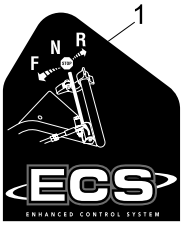

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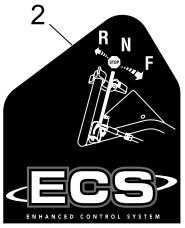

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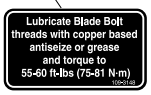

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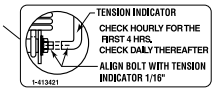

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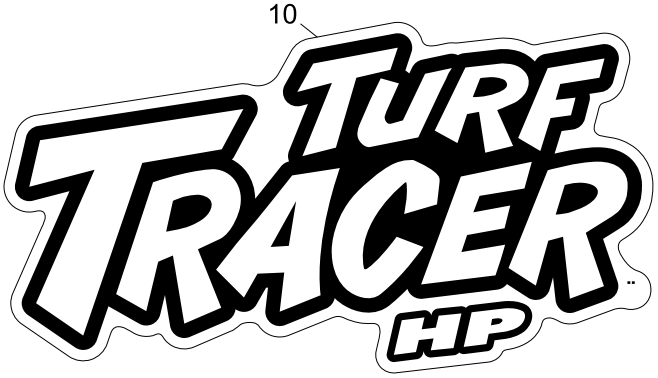

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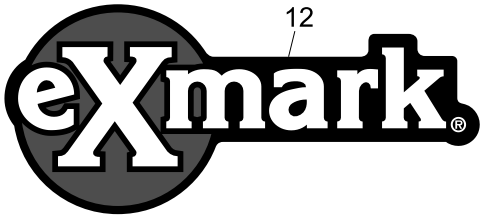

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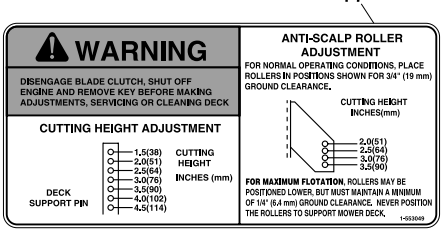

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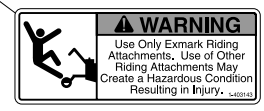

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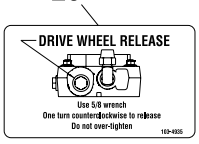

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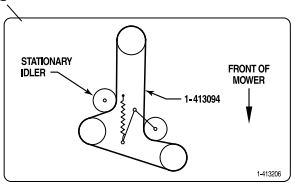

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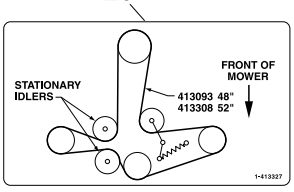

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HYDRAULIC GROUP

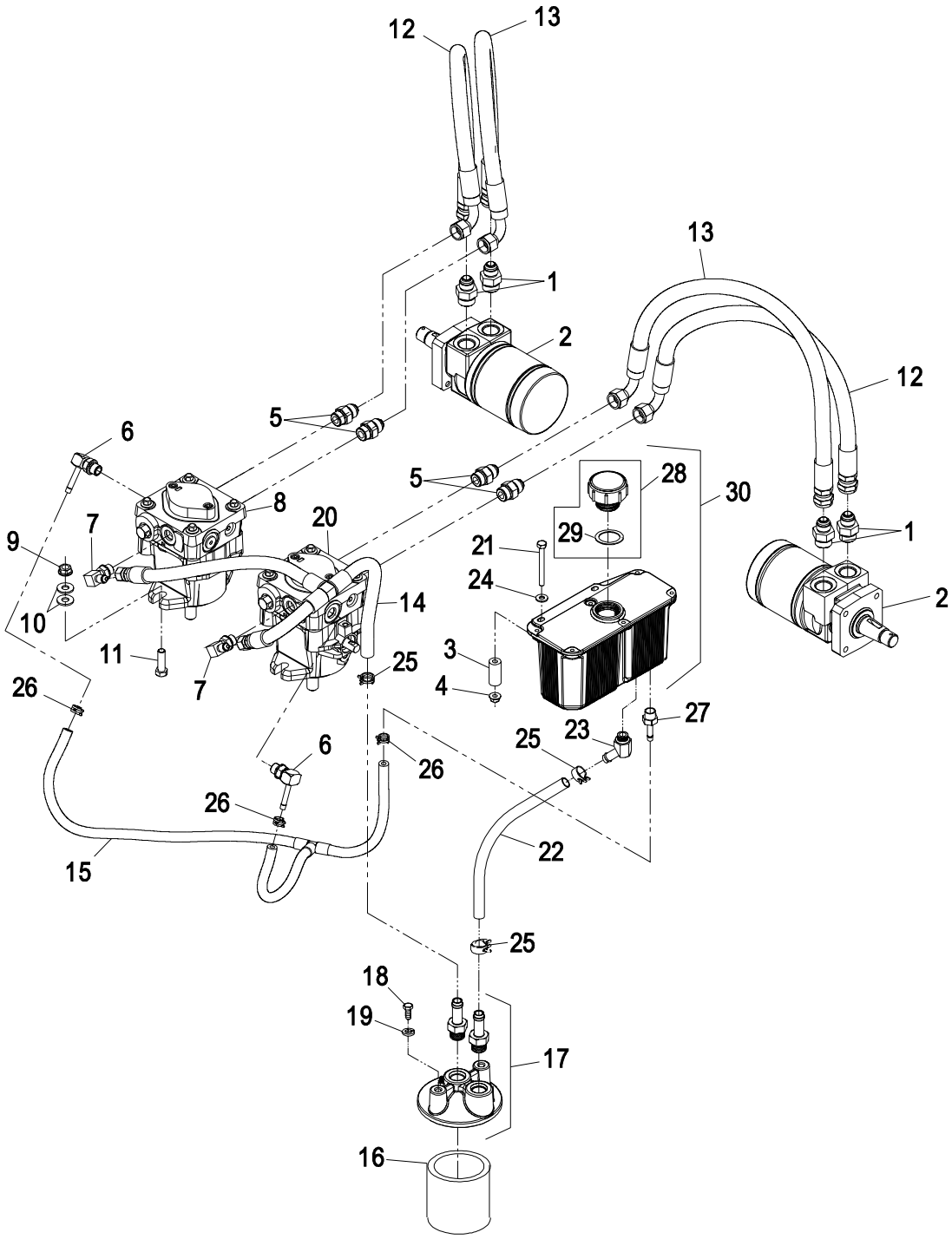
Item	Part No.	Description	Qty.
1	1-603991	Fitting, Straight Connector	4
	1-603919	O-Ring	1
	1-603992	O-Ring	1
2	1-603718	Wheel Motor	2
	1-000138	Kit, Bearing	1
	1-000119	Kit, Seal	1
3	103-2191	Spacer, Hydraulic Tank	2
4	32128-33	Nut, Whizlock 1/4-20	2
5	1-603990	Adapter, Straight Thread	4
	1-603920	O-Ring	1
	1-603992	O-Ring	1
6	103-1799	Elbow, 90°	2
	1-603921	O-Ring	1
7	103-1802	Elbow, 90°	2
	1-603921	O-Ring	1
8	109-4988	Pump, Hydro	1
	103-2664	Kit, Input Shaft 10A	1
	94-6922	Kit, Thrust Bearing 10A	1
	103-2666	Kit, Cylinder Block 10A	1
	105-6184	Kit, Overhaul Seal	1
9	3290-357	Nut, Whizlock 3/8-16	4
10	3256-3	Washer, 5/16 Std	8
11	323-7	Screw, HH 3/8-16 x 1-1/4	4
12	1-613034	Hose, Hydro	2
13	1-323241	Hose, Hydro	2
14	103-3914	Asm, Charge Hose	1

Item	Part No.	Description	Qty.
15	103-4019	Asm, Case Drain Hose	1
16	109-4180	Element, Oil Filter	1
▲	1-523541	Element, Oil Filter(Winter)	1
17	103-2889	Asm, Filter Head	1
	103-1912	Adapter, Straight	2
	1-603921	O-Ring	1
18	321-3	Screw, HH 1/4-20 x 5/8	2
19	1-805004	Washer, Lock 1/4 Heavy	2
20	109-4987	Pump, Hydro	1
	103-2664	Kit, Input Shaft 10A	1
	94-6922	Kit, Thrust Bearing 10A	1
	103-2666	Kit, Cylinder Block 10A	1
	105-6184	Kit, Overhaul Seal	1
21	321-15	Screw, HH 1/4-20 x 2 1/2	2
22	103-2959	Hose, Charge	1
23	103-1807	Elbow, 45°	1
	1-603921	O-Ring	1
24	3256-22	Washer, 1/4 SAE	2
25	103-1988	Clamp, Hose 11/16	3
26	103-1716	Clamp, Hose 17/32	3
27	103-1801	Adapter, Straight	1
	1-603921	O-Ring	1
28	103-7615	Asm, Cap W/Gasket	1
29	103-1949	Gasket, Reservoir Cap	1
30	103-1947	Asm, Reservoir W/Decal	1

Exmark black touch up spray paint – Gloss black.

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

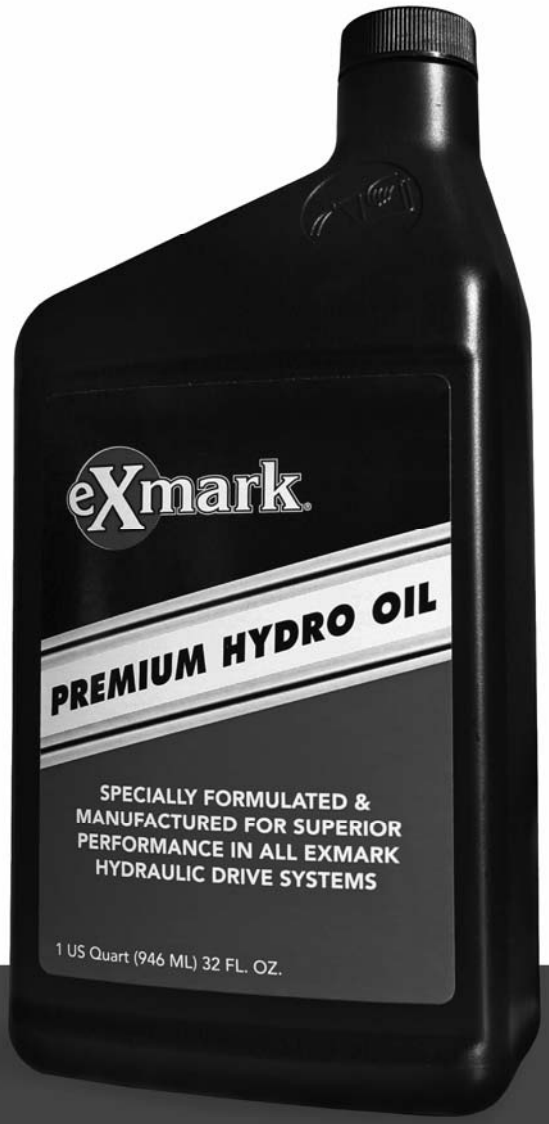
HYDRAULIC GROUP



SERVICE RECORD

Date	Description of Work Done	Service Done By

NEW EXMARK PREMIUM HYDRO OIL



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