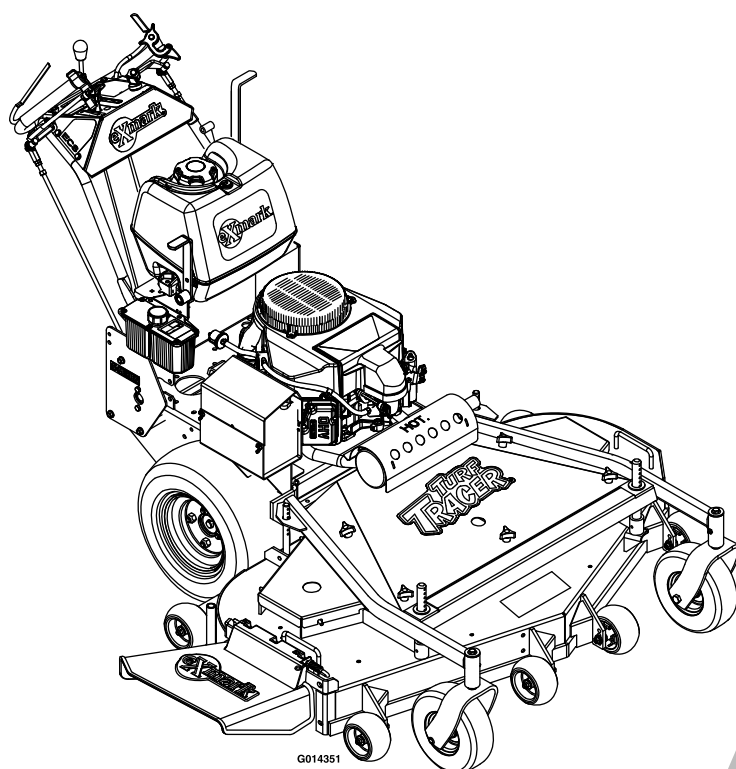




TURF TRACER® S-SERIES

Model No. TTS20KAE483CA—Serial No. 920000 and Up

Picture below may not reflect actual product.



Parts Manual

Ordering Replacement Parts

To order replacement parts, please supply the part number, the quantity, and the description of each part desired.

Understanding Reference Numbers

Each identified part in an illustration has a reference number. The reference number for a part also appears in the parts list, along with other information about the part.

This catalog uses two special reference number formats, one to indicate parts in a service assembly and another to indicate the quantity of a given part in an illustration.

Service Assembly Reference Numbers

Parts in service assemblies have reference numbers in the form a:b. The a represents the reference number of the entire service assembly and the b represents a sequential number unique to each part within the service assembly.

For example, a wheel assembly might be identified by reference number 6, the tire by 6:1, the valve by 6:2, and the wheel by 6:3. When you order the assembly identified by reference number 6, you receive all parts identified by reference numbers 6:1, 6:2, and 6:3. However, you may also order any part individually. Reference numbers of this type appear in illustration and in parts lists.

Reference Numbers Indicating Quantity

In an illustration, if a reference number indicates more than one part, the reference number has the form nX y. The n represents the quantity of the part, the X is the multiplication symbol, and the y represents the reference number.

For example, in an illustration, the reference number 2X 37 means that two of the parts identified by reference number 37 are indicated.

List of Abbreviations

AR: as required

ASM: assembly

BBC: blade brake control

BHTF: button head thread forming

CARR: carriage

CCW: counter clockwise

CW: clockwise

DEG: degrees

DPA: Dual Point Adjustment

ECM: electronic control module

EXT: external

FH: flat head

GA: gauge

HD: heavy-duty

HF: hex flange

HH: hex head

HHF: hex head flange

HHFTF: hex head flange thread forming

HJ: hex jam

HLH: hex lag head

HOC: height-of-cut

HSBH: hex socket button head

HSFH: hex socket flat head

HSH: hex socket head

HWH: hex washer head

HWHTF: hex washer head thread forming

HYD: hydraulic

LH: left hand

LP: Liquid Propane

NI: nylon insert

NPTF: national pipe thread fine

PFH: phillips flat head

PPH: phillips pan head

PPHTF: phillips pan head thread forming

PRH: phillips round head

PTH: phillips truss head

PTO: power-take-off

RH: right hand

ROPS: roll-over protection system

RRB: rear roller brush

SFH: slotted fillister head

SHH: slotted hex head

SHWH: slotted hex washer head

SPH: slotted pan head

SQH: square head

SRH: slotted round head

STD: standard

TAP: self tapping

TTH: torx truss head

Touch Up Paint

Exmark black touch up spray paint – gloss black.

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

EXMARK PARTS PLUS

PARTS

OVERNIGHT

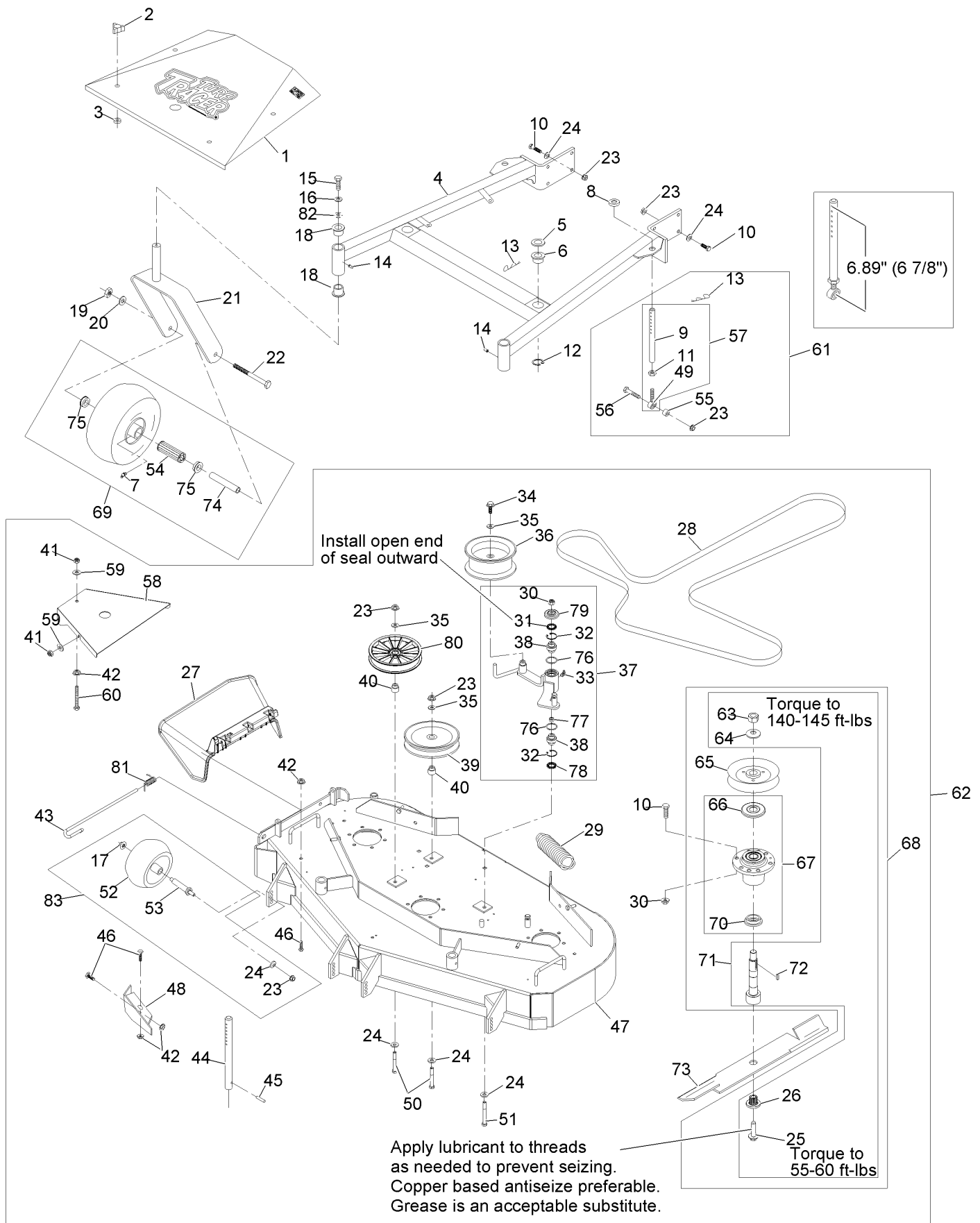
OR *FREE**

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.)

Contents

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- Hydraulic Assembly 14
- Decals 16
- Fuel Tank Assembly 18
- Electrical Assembly - With Solenoid Attached to Engine 19
- Electrical Assembly - With Solenoid Attached to Main Frame 20

Mower Deck Assembly



Mower Deck Assembly (continued)

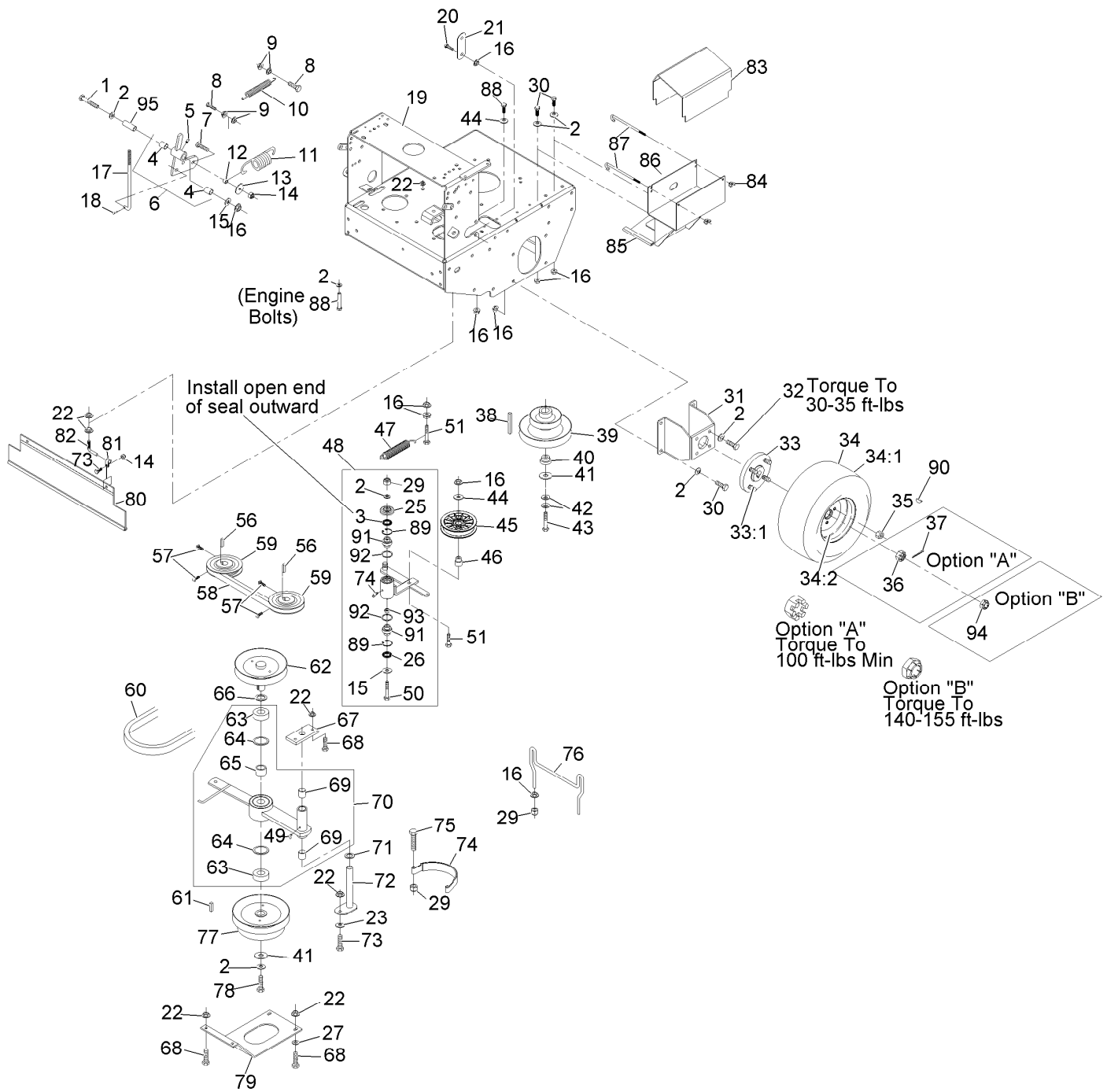
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	116-2711	1	Shield, Belt (1-413101-01) W/Decals	47	1-414384	1	Wld, Deck (116-2457-01) W/Decals, Discharge Baffle & Support Rods
2	1-323385	4	Knob-3 Prong	48	116-2297-01	1	Baffle, Discharge
3	1-323417	4	Washer-Belt Shield	49	1-613204	2	Balljoint
4	1-414310	1	Wld, Support (1-412110-01) W/Bushings & Decals	50	323-13	2	Screw-HH 3/8-16 X 2 3/4
5	1-413425	2	Spacer	51	98-5961	1	Screw-HH 3/8-16 X 4 Gr8
6	1-513336	2	Bushing-Deck	52	1-603299	4	Roller-Scalp, Anti
7	302-61	2	Zerk-45° 1/4-28	53	99-2842	4	Spacer
8	1-323539	2	Spacer-Blade Drive	54	1-513809	2	Bearing
9	1-413525	2	Link, Rear Deck Support	55	1-603050	2	Spacer
10	323-7	26	Screw-HH 3/8-16 X 1 1/4	56	323-9	2	Screw-HH 3/8-16 X 1 3/4
11	3220-3	2	Nut-Jam 3/8-24	57	1-414521	2	Link, Assembly
12	32120-33	2	Ring-Retaining	58	103-2970-01	2	Shield, Belt
13	1-806009	4	Hairpin-Cotter #206	59	3256-3	6	Washer-5/16 Std
14	302-52	2	Zerk-1/8-27 Str	60	1-800017	2	Bolt-HH 5/16-18 X 3 1/4 Tap
15	323-6	2	Screw-HH 3/8-16 X 1	61	1-411532	2	Kit, Support Link W/Pin
16	3253-5	2	Washer-Lock 3/8 Heavy	62	103-0321	1	Asm, Deck Complete
17	109-6658	4	Nut-Nyloc 3/8-16 Flg	63	3217-46	3	Nut-Hex 3/4-16 Heavy
18	1-303514	4	Bearing-Flanged	64	103-2802	3	Washer-Spring Disc 3/4
19	3217-9	2	Nut-Hex 1/2-13	65	1-413424	3	Sheave W/ Hub ▲
20	3253-7	2	Washer-Lock 1/2	66	103-1330	3	Guard-Bearing Top ▲
21	1-522143-01	2	Wld, Caster	67	103-8280	3	Kit, Cutter Housing
22	325-20	2	Screw-HH 1/2-13 X 6	68	103-9081	3	Asm, Cutter Housing Complete
23	3290-357	13	Nut-Whizlock 3/8-16	69	103-2171	2	Kit, Tire & Wheel Asm W/ Spacer
24	98-5975	15	Washer-Spring Disc 3/8	70	103-2535	3	Spacer-Guard Bottom
25	109-9220	3	Screw-Sems 1/2-20 X 2.19	71	103-9071	3	Kit, Spindle ▲
26	103-3037	3	Bushing,Splined	72	1-807268	3	Key-Machine 1/4 X 3/16 X 1
27	109-5151	1	Cht Disch Xrk M056	73	103-6401	3	Blade-Notched ■
28	1-413093	1	Belt - V, B	73	103-6391	3	Blade, Mulch 16.25 (.94 Hole)
29	103-3330	1	Spring-Extension	73	103-6386	3	Blade, Low Lift 16.25 (.94 Hole)
30	3296-39	19	Nut-Nyloc 3/8-16	73	103-6381	3	Blade, Solid 16.25 (.94 Hole)
31	103-3506	1	Seal-Single Lip	73	103-6396	3	Blade, Extreme 16.25 (.94 Hole)
32	32120-10	2	Ring-Retaining	74	1-513547	2	Spacer
33	302-40	1	Zerk-90° 1/4-28	75	1-513810	4	Bushing-Flanged
34	3234-11	1	Screw-HH Flg 3/8-16 X 1	76	106-7159	2	O-Ring
35	3256-24	3	Washer-3/8 Sae	77	103-5677	1	Spacer
36	1-413099	1	Pulley-Idler	78	103-3505	1	Seal-Double Lip
37	103-8585	1	Kit, Idler Arm (103-7356-03) W/Brgs ●	79	103-2916	1	Guard-Top
38	103-3504	2	Bearing-Spherical	80	109-0977	1	Pulley,Idler 5"
39	1-613098	1	Pulley-Idler	81	116-0962	1	Spring, Torsion
40	1-413113	2	Bushing-Idler	82	1-373034	2	Washer
41	3296-29	6	Nut-Nyloc 5/16-18	83	103-4051	1	Kit,Anti-Scalp Roller
42	32128-20	3	Nut-Whizlock 5/16-18				
43	109-8854	1	Pin-Chute				
44	1-603001	2	Rod, Deck Support				
45	1-806332	2	Rollpin 1/4 X 1 1/2				
46	322-2	3	Screw-HH 5/16-18 X 5/8				

● Assembly also includes Washer and Screw

■ Requires installation of mulch kit for proper mulching. See your Exmark dealer for details.

▲ Apply Mobil HTS grease (P/N 103-5217 1.5 oz packet) (or a food-grade anti-seize). See operator s manual for locations.

Engine Deck Assembly



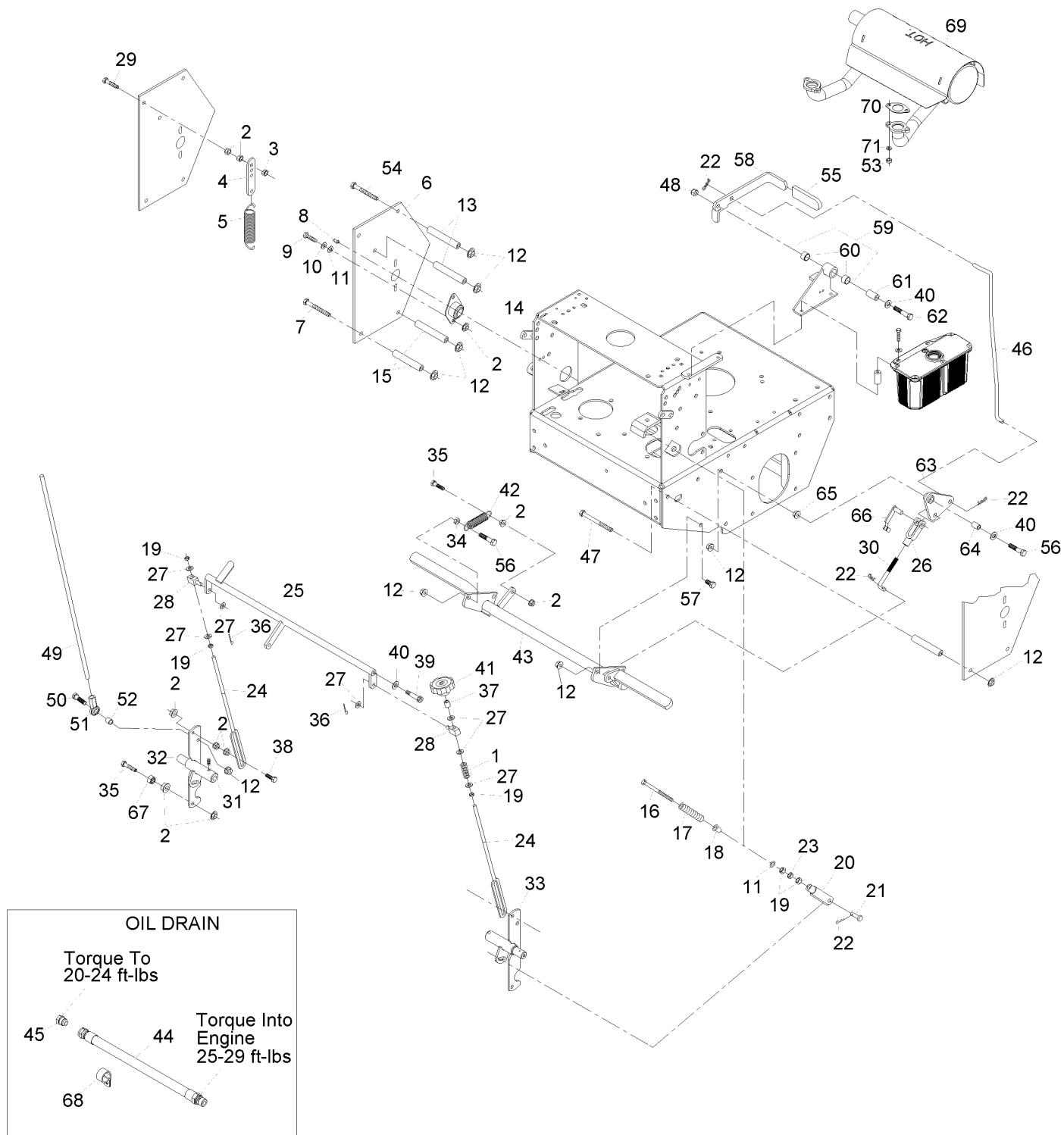
Engine Deck Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	323-11	1	Screw-HH 3/8-16 X 2 1/4	46	1-603496	1	Bushing-Idler
2	98-5975	26	Washer-Spring Disc 3/8	47	103-8599	1	Spring, Extension
3	103-3506	1	Seal-Single Lip	48	109-1296	1	Kit, Idler Arm (109-1208-03) W/Brgs
4	1-513034	2	Sleeve-Bearing	49	1481	2	Zerk-45° 1/4-28
5	302-19	1	Zerk-1/4-28 Str	50	98-5961	1	Screw-HH 3/8-16 X 4 Gr8
6	1-414143	1	Asm, Bellcrank (1-412285-03) W/Brgs	51	323-9	2	Screw-HH 3/8-16 X 1 3/4
7	322-6	1	Screw-HH 5/16-18 X 1 1/4	56	1-807272	2	Key-5Mm X 5Mm X 25Mm
8	321-6	2	Screw-HH 1/4-20 X 1	57	1-803050	4	Setscrew-5/16-18 X 3/4 ■
9	32128-33	4	Nut-Whizlock 1/4-20	58	109-1057	1	Belt, Pump Drive
10	1-523498	1	Spring, Motion Control	59	1-413010	2	Sheave ASM ●
11	103-7398	1	Spring, Belt Tension	60	103-6317	1	Belt, Blade Clutch
12	1-543007	1	Spacer	61	1-807259	1	Key-Machine 1/4 X 1/4 X 1
13	1-213069	1	Washer	62	103-6308	1	Sheave W/Shaft ●
14	3296-29	3	Nut-Nyloc 5/16-18	63	1-413111	2	Bearing, Clutch ●
15	3256-4	2	Washer-3/8 Std	64	32120-8	2	Ring-Retaining
16	3290-357	19	Nut-Whizlock 3/8-16	65	1-413012	1	Spacer, Bearing
17	1-413282	1	Linkage	66	1-523157	1	Washer
18	1-806003	1	Hairpin-Cotter	67	1-413049-01	1	Plate, Clutch Pivot
19	109-1297	1	Asm, Deck (116-1682-01) W/Decals	68	322-5	6	Screw-HH 5/16-18 X 1
20	323-4	2	Screw-HH 3/8-16 X 3/4	69	1-413207	2	Pivot, Bearing
21	1-633068	1	Arm-Lift, Deck	70	1-414418	1	Asm, Clutch Arm (1-412417-03) W/Bearings
22	32128-20	11	Nut-Whizlock 5/16-18	71	1-413235	1	Washer, Spacer
23	1-303334	1	Washer-Spring Disc 5/16	72	1-412138-03	1	Wld, Pivot Pin
25	103-2916	1	Guard-Top	73	322-3	3	Screw-HH 5/16-18 X 3/4
26	103-3505	1	Seal-Double Lip	74	1-413062	1	Band, Brake
27	3256-3	2	Washer-5/16 Std	75	323-8	2	Screw-HH 3/8-16 X 1 1/2
29	3296-39	5	Nut-Nyloc 3/8-16	76	103-6310	1	Wld, Belt Guide
30	323-6	10	Screw-HH 3/8-16 X 1	77	1-412028	1	Sheave W/Drum ●
31	1-412082-01	2	Mount, Wheel Motor (48& 52)	78	1-800521	1	Screw-HH 3/8-24 X 1 ■
32	323-6	8	Screw-HH 3/8-16 X 1	79	1-413009-01	1	Plate, Guard
33	1-602997	2	Hub ASM W/Studs	80	103-2056	1	Shield-Drag
33:1	1-633926	8	Stud-Wheel	81	1-413510	2	Clip-Loom
34	1-613263	2	Wheel And Tire ASM	82	1-413511	2	Hanger, Drag Shield
34:1	1-613264	2	Tire-Turfmaster	83	103-3442	1	Battery, Cover (1-543891) W/Decal
34:2	1-603715	2	Wheel-Rim	84	1-543792	2	Wingnut-Nyloc 1/4-20
35	242-50	8	Nut-Lug 1/2-20	85	1-413541	1	Trim-Lok, 1/8 X 5
36	32136-5	2	Nut-Slotted 3/4-16	86	103-1098	1	Stand W/ Trim-Lok
37	1-806800	2	Pin-Cotter 9/64 X 1 1/2	87	1-543882	2	Bolt, Hold Down
38	1-807264	1	Key-Machine 1/4 X 1/4 X 2 5/8	88	323-7	5	Screw-HH 3/8-16 X 1 1/4
39	103-6309	1	Asm, Drive Sheave ●	89	32120-10	2	Ring-Retaining
40	1-603609	1	Bushing	90	1-807019	2	Key-Woodruff 1 X 1/4
41	1-373034	2	Washer	91	103-3504	2	Bearing-Spherical
42	1-603610	2	Washer-Spring Disc 7/16	92	106-7159	2	O-Ring
43	3212-10	1	Screw-HH 7/16-20 X 2 1/2 ■	93	103-5677	1	Spacer
44	3256-24	2	Washer-3/8 Sae	94	116-2839	2	Nut-Lock 3/4-16
45	109-4077	1	Pulley, Idler	95	1-603044	1	Bushing

● Apply anti-seize compound in bore.

■ Use Pro-Lock, Nut Type (P/N 1-840022, .5ml tube) on threads.

Engine Deck Assembly (cont.)

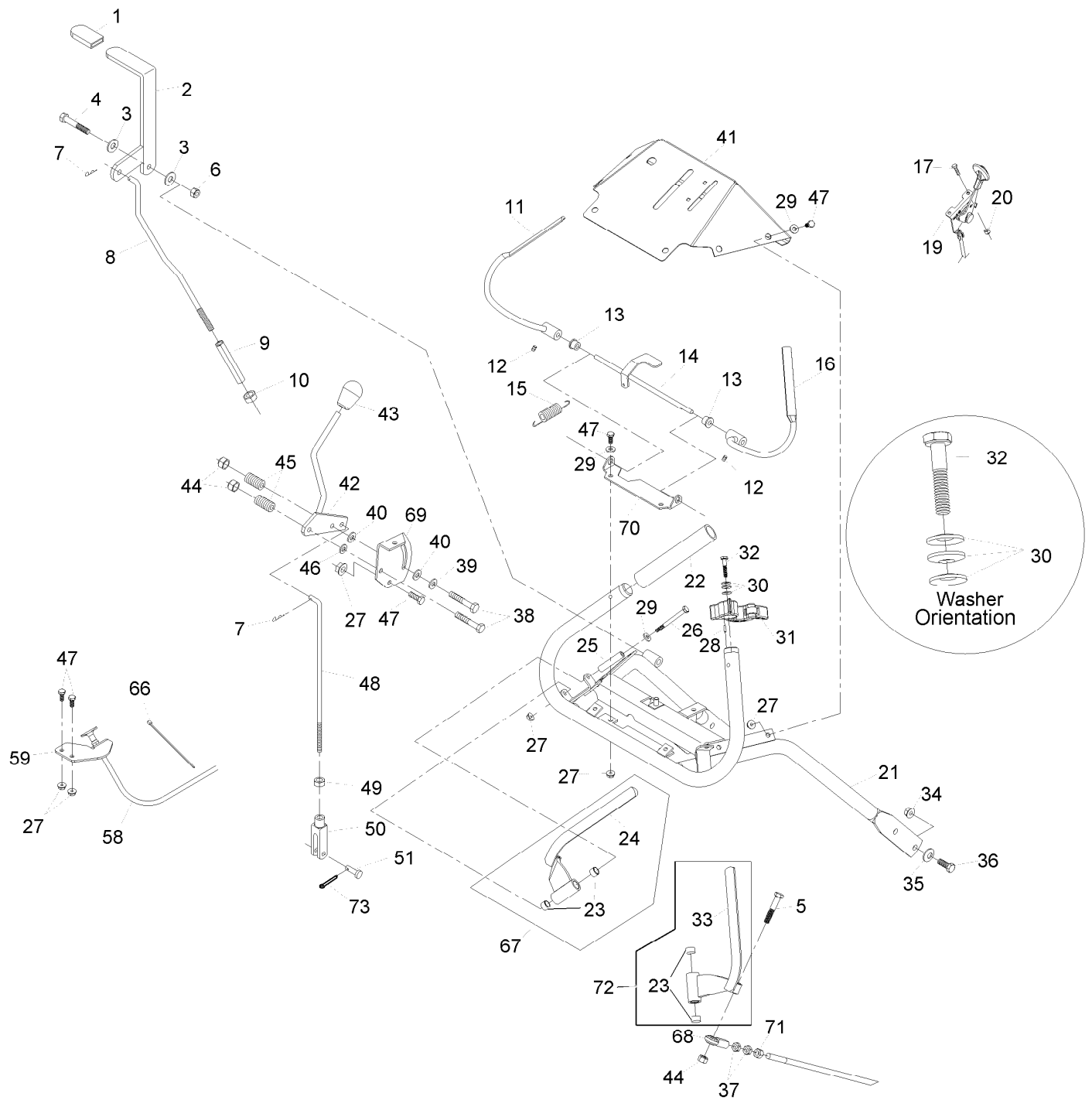


Engine Deck Assembly (cont.) (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	1-323245	1	Spring-Compression	38	1-403180	2	Screw-HH 5/16-18 X 1 1/4 Sp
2	32128-20	20	Nut-Whizlock 5/16-18	39	1-809056	2	Screw-Sh 5/16-18 X 1 3/8 ●
3	3296-29	2	Nut-Nyloc 5/16-18	40	3256-24	4	Washer-3/8 Sae
4	1-613089	2	Tab-Spring, Extension	41	103-3060	1	Knob-Tracking
5	1-603693	2	Spring	42	1-323161	1	Spring
6	110-4897-01	2	Shield-Control	43	103-2004-03	1	Brake
7	323-16	6	Screw-HH 3/8-16 X 4	44	109-0877	1	Asm, Oil Drain Hose W/Plug
8	302-19	2	Zerk-1/4-28 Str	45	109-1012	1	Plug
9	322-3	4	Screw-HH 5/16-18 X 3/4	46	1-413492	1	Linkage, Upper Brake
10	1-805005	4	Washer-Lock 5/16 Heavy	47	323-16	1	Screw-HH 3/8-16 X 4
11	3256-2	6	Washer-1/4 Std	48	3296-39	1	Nut-Nyloc 3/8-16
12	3290-357	15	Nut-Whizlock 3/8-16	49	103-1148	2	Rod, Drive Lever
13	1-323195-01	4	Spacer-Shield	50	323-8	2	Screw-HH 3/8-16 X 1 1/2
14	1-633102	2	Bearing-Flanged	51	103-1167	2	Joint-Ball End, LH
15	1-323197-01	4	Spacer-Shield	52	103-1166	2	Spacer-Tube, Pump Link
16	1-603737	2	Bolt-Neutral Return	53	114-3549	4	Nut-M8
17	103-0265	2	Spring, Neutral Return	54	323-23	1	Screw-HH 3/8-16 X 4-1/2
18	1-603735	2	Bushing-Flanged	55	1-303020	1	Grip-Lever
19	3219-2	7	Nut-Hex 5/16-24	56	323-9	2	Screw-HH 3/8-16 X 1 3/4
20	1-303105	2	Yoke-Adjustable	57	323-4	3	Screw-HH 3/8-16 X 3/4
21	1-808280	2	Pin-Clevis 5/16 X 1 49/64	58	103-3495	1	Lever, Brake (1-412501-03) W/Decal & Grip
22	1-806003	5	Hairpin-Cotter	59	1-414504	1	Bracket ASM
23	3220-2	2	Nut-Jam 5/16-24	60	1-413347	2	Sleeve-Bushing
24	1-413350	2	Link-Control, Speed	61	1-413344	1	Bushing-Pivot
25	1-412203-01	1	Crank-Control, Speed	62	323-10	1	Screw-HH 3/8-16 X 2
26	1-633131	1	Yoke-Linkage, Brake	63	1-414508	1	Bellcrank ASM
27	3256-23	7	Washer-5/16 Sae	64	1-303548	1	Bushing-Plastic
28	1-603676	2	Swivel-Adjustable, Short	65	32128-21	1	Nut-3/8-16 Flanged Side Lock
29	1-800016	2	Bolt-HH 5/16-18 X 1 1/4 Tap	66	103-2399	1	Pin-Clevis Spring 3/8
30	1-413489	1	Linkage-Lower	67	3218-2	2	Nut-Jam 5/16-18
31	1-803022	2	Setscrew-5/16-18 X 5/8 ●	68	1-643312	1	Clip-Loom
32	103-1190-01	1	Shaft-Control, LH	69	116-4397	1	Muffler
33	103-4796-01	1	Shaft-Control, RH	70	1-653313	2	Gasket-Exhaust
34	3218-3	1	Nut-Jam 3/8-16	71	114-3550	4	Washer-Lock, Spring
35	116-3515	3	Screw,HH Special 5/16-18 X 1.25				
36	3272-5	2	Pin-Cotter 3/32 X 1/2				
37	1-603903	1	Spacer				

● Use Pro-Lock, Nut Type (P/N 1-840022, .5ml tube) on threads.

ECS Upper Handles and Controls Assembly



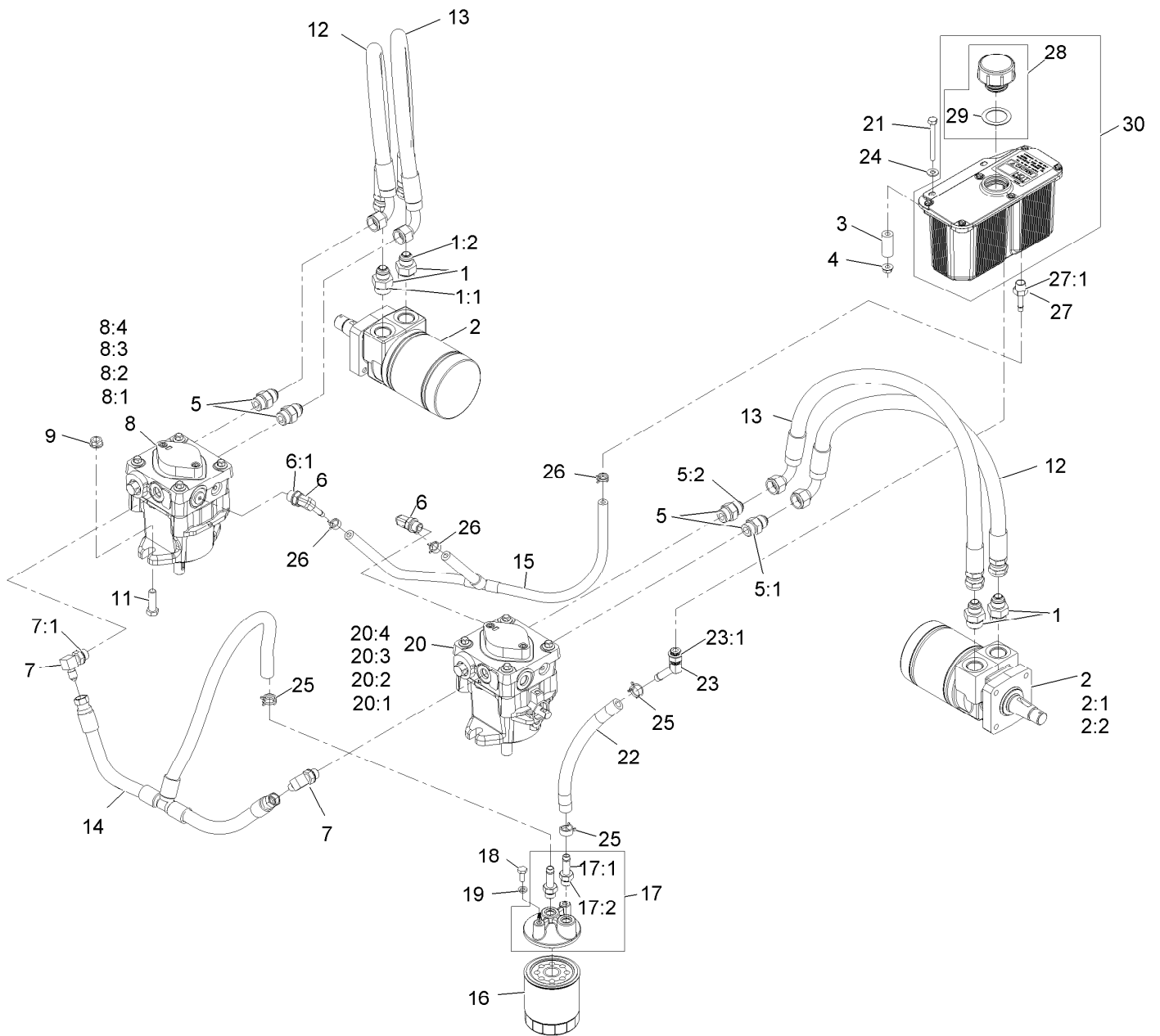
ECS Upper Handles and Controls Assembly (continued)

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	1-303020	1	Grip-Lever	32	103-0235	2	Screw-HH 1/4-20 X 1 1/8 W/Nylon ●
2	1-414234	1	Asm, Lever (1-412295-03) W/Grip	33	116-4082	1	Lever, Drive RH
3	3256-4	2	Washer-3/8 Std	34	3290-357	4	Nut-Whizlock 3/8-16
4	323-11	1	Screw-HH 3/8-16 X 2 1/4	35	98-5975	4	Washer-Spring Disc 3/8
5	322-9	2	Screw-HH 5/16-18 X 1 3/4	36	323-6	4	Screw-HH 3/8-16 X 1
6	3296-39	1	Nut-Nyloc 3/8-16	37	3220-3	4	Nut-Jam 3/8-24
7	1-806003	2	Hairpin-Cotter	38	322-10	4	Screw-HH 5/16-18 X 2
8	103-1149	1	Link, Blade Engagement	39	1-603716	1	Washer-Friction Disc
9	1-413279	1	Turnbuckle	40	1-323244	2	Washer-Friction
10	3217-7	1	Nut-Hex 3/8-16	41	109-4650	1	Asm, Console (109-4649-03)W/ Decals
11	116-4079	1	Wld, Lever, Opc (LH) ■	42	116-4083	1	Wld, Speed Shift
12	1-803322	2	Setscrew-5/16-24 X 5/16 ●	43	103-0423	1	Knob-Nyloc 3/8-16
13	1-303365	2	Bushing-Nylon	44	3296-29	4	Nut-Nyloc 5/16-18
14	103-0769-03	1	Wld, Opc Axle Lever	45	1-323245	2	Spring-Compression
15	1-303363	1	Spring-Extension	46	3256-23	1	Washer-5/16 Sae
16	116-4080	1	Wld, Opc Lever (RH) ■	47	321-3	12	Screw-HH 1/4-20 X 5/8
17	1-807513	2	Bolt-Carriage #10-24 X 1/2	48	1-413225	1	Rod, Speed Control
19	116-2426	1	Cable, Throttle	49	3220-2	1	Nut-Jam 5/16-24
20	3296-2	2	Nut-Nyloc #10-24	50	1-303105	1	Yoke-Adjustable
21	103-0770-03	1	Wld, Handle	51	1-808280	1	Pin-Clevis 5/16 X 1 49/64
22	103-0815	2	Grip-Bar, Handle	58	103-1796	1	Cable-Choke
23	1-413152	4	Bushing-Sleeve	59	103-1797-01	1	Bracket-Cable, Choke
24	116-4081	1	Lever, Drive LH	66	1-303287	1	Tie-Cable 5 1/2 (Small)
25	103-0027	2	Bushing-Lever, Drive	67	103-2513	1	Asm, Drive Lever RH
26	321-14	2	Screw-HH 1/4-20 X 2 3/4	68	103-2463	2	Balljoint
27	32128-33	14	Nut-Whizlock 1/4-20	69	103-0503	1	Bracket, Shifter Slide
28	103-0464	2	Pin-Spring 1/8 X 1/2	70	103-0489-03	1	Bracket, Opc Axle
29	3256-22	10	Washer-1/4 Sae	71	3219-3	2	Nut-Hex 3/8-24
30	1-303435	6	Washer-Spring Disc 1/4	72	103-2514	1	Asm, Drive Lever LH
31	103-1371	1	Thumb Latch Asm RH(Shown)	73	3272-5	1	Pin-Cotter 3/32 X 1/2
31	103-1372	1	Thumb Latch Asm LH(Not Shown)				

● Use Pro-Lock, Nut Type (P/N 1-840022, .5ml tube) on threads.

■ Use Pro-Lock retaining type, Part no. 1-840023 (.5cc tube) on inside of bore of OPC hub.

Hydraulic Assembly

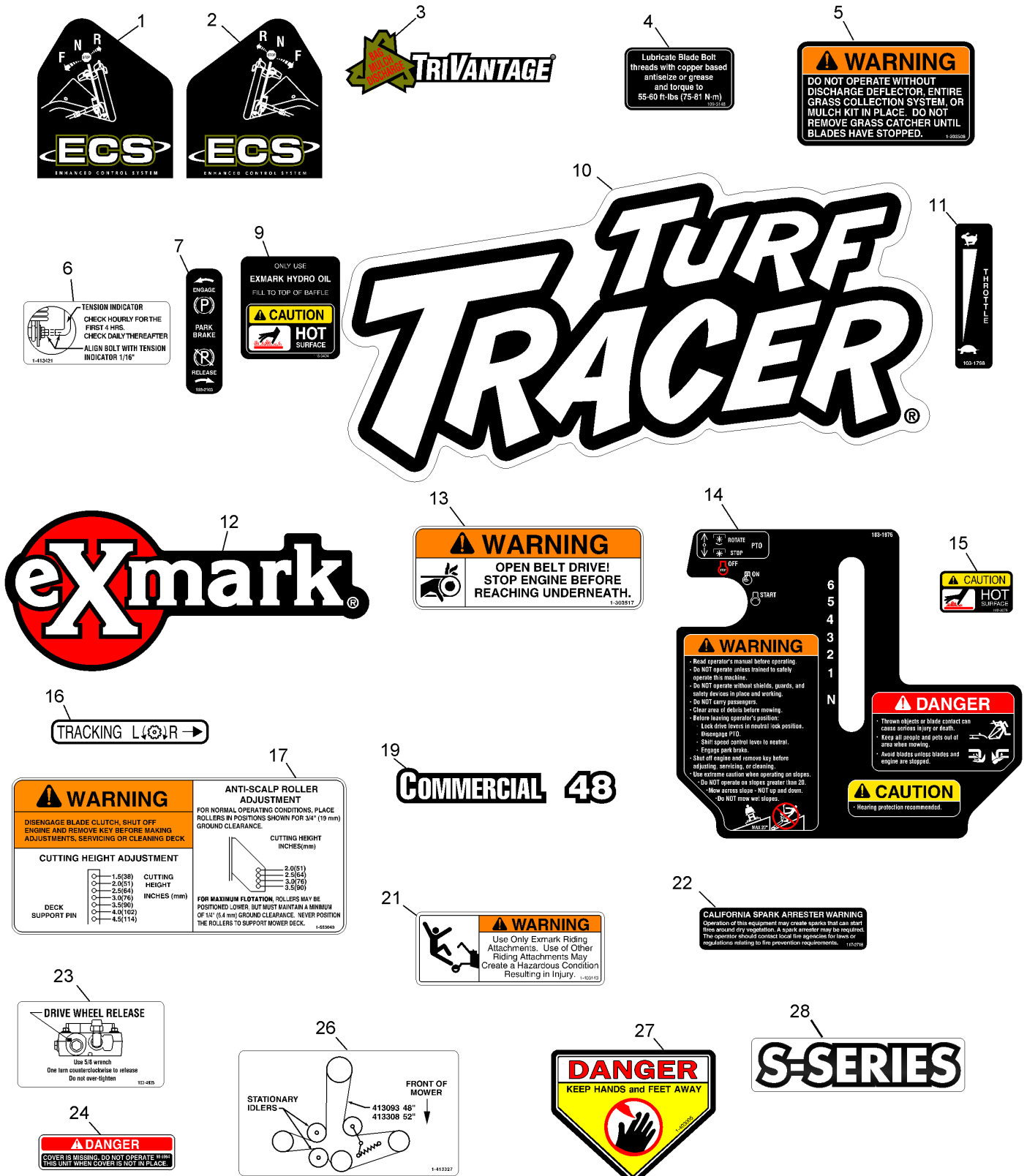


Hydraulic Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	1-603991	4	Adapter-Straight	16	109-4180	1	Filter,25 Micron
1:1	1-603919	1	O-Ring-Sae #10				Bi-Directional
1:2	1-603992	1	O-Ring-37 Flare #8	16	1-523541	1	Element, Oil Filter(Winter) ●
2	1-603718	2	HYD Motor ASM	17	103-2889	1	Filter Head ASM
2:1	1-000138	1	Bearing And Seal Kit	17:1	103-1912	2	Adapter-Straight
2:2	1-000119	1	Seal Kit	17:2	1-603921	1	O-Ring-Sae #6
3	103-2191	2	Spacer	18	321-3	2	Screw-HH 1/4-20 X 5/8
4	32128-33	2	Nut-Whizlock 1/4-20	19	1-805004	2	Washer-Lock 1/4 Heavy
5	1-603990	4	Adapter-Straight	20	116-0943	1	RH HYD Pump ASM
5:1	1-603920	1	O-Ring-Sae #8	20:1	103-2664	1	Input Shaft Kit
5:2	1-603992	1	O-Ring-37 Flare #8	20:2	94-6922	1	Bearing-Thrust
6	103-1799	2	Elbow-90 DEG	20:3	103-2666	1	Cylinder Block Kit
6:1	1-603921	1	O-Ring-Sae #6	20:4	105-6184	1	Seal Overhaul Kit
7	103-1802	2	Fitting-HYD, 90 DEG	21	321-15	2	Screw-HH
7:1	1-603921	1	O-Ring-Sae #6	22	103-2959	1	Hose-Charge
8	116-0942	1	LH HYD Pump ASM	23	103-1807	1	Fitting-Barbed, 45 DEG
8:1	103-2664	1	Input Shaft Kit	23:1	1-603921	1	O-Ring-Sae #6
8:2	94-6922	1	Bearing-Thrust	24	3256-22	2	Washer-1/4 Sae
8:3	103-2666	1	Cylinder Block Kit	25	103-1988	3	Clamp-Hose 11/16
8:4	105-6184	1	Seal Overhaul Kit	26	103-1716	3	Clamp-Hose 17/32
9	32128-43	4	Nut-Whizlock 3/8-16	27	103-1801	1	Adapter-Straight
11	323-7	4	Screw-HH 3/8-16 X 1 1/4	27:1	1-603921	1	O-Ring-Sae #6
12	1-613034	2	Hose-Pressure, High	28	103-7615	1	Asm, Cap W/Gasket
13	1-323241	2	Hose-Pressure, High	29	103-1949	1	Gasket-Cap
14	116-2123	1	Charge Hose ASM	30	103-1947	1	HYD Reservoir ASM
15	116-0918	1	Case Drain Hose ASM				

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

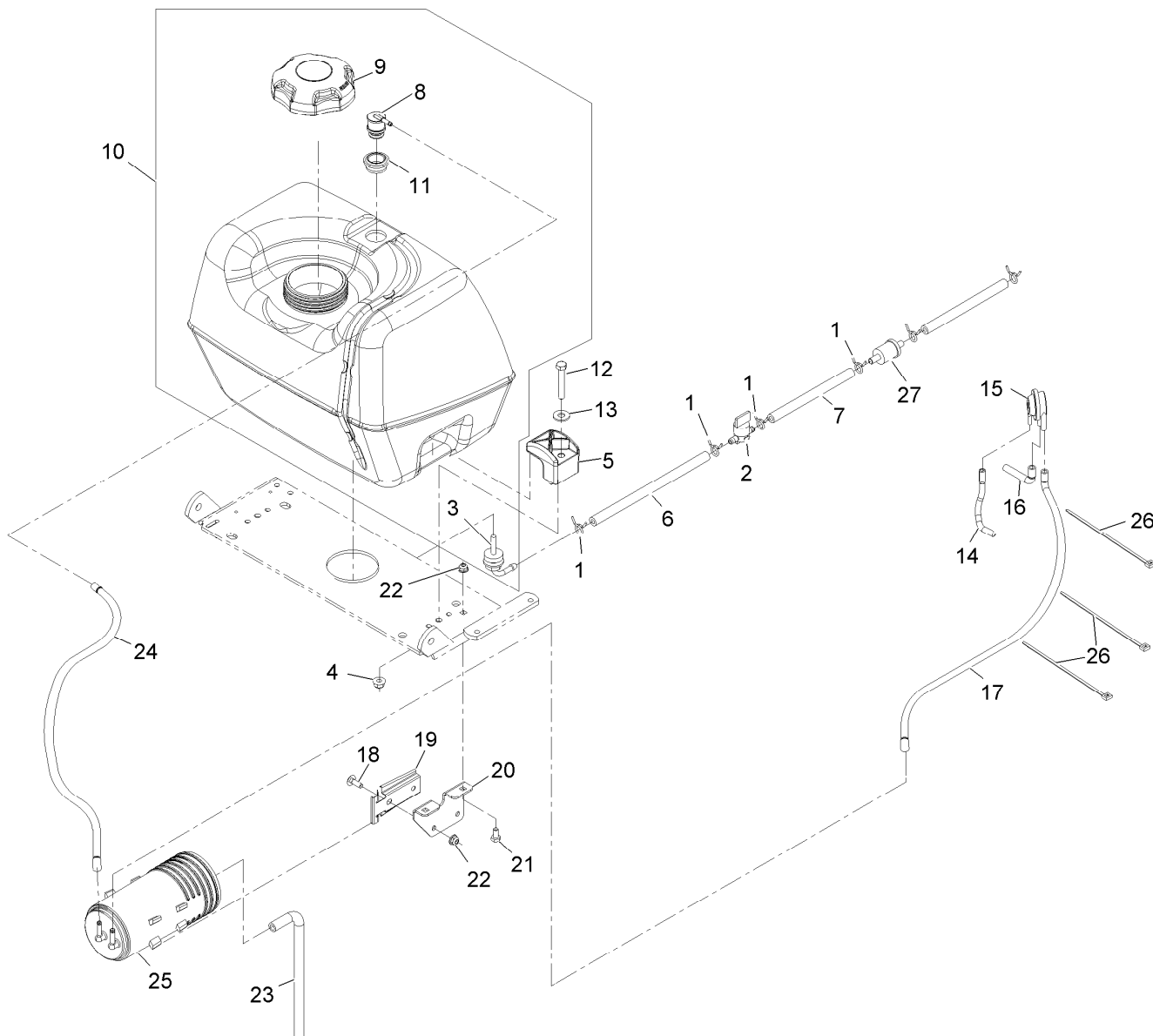
Decals



Decals (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	103-2242	1	Decal, LH Ecs Instruction	15	103-2076	2	Decal-Caution
2	103-2243	1	Decal, RH Ecs Instruction	16	1-413214	1	Decal, Tracking
3	1-303520	1	Decal, Trivantage	17	1-553049	1	Decal-Anti Scalp
4	109-3148	1	Decal,Bolt Torque	19	1-403131	1	Decal-Commercial 48
5	1-303508	1	Decal-Warning, Discharge	21	1-403143	1	Decal, Sully Warning
6	1-413421	1	Decal, Indicator	22	117-2718	1	Decal-Arrester, Spark
7	103-2103	1	Decal-Brake, Park	23	103-4935	1	Decal, Drive Wheel Release
9	116-0404	1	Decal-Hydraulic Tank	24	98-5954	3	Decal-Cover, Missing
10	103-3013	1	Decal-Turf Tracer	26	1-413327	1	Decal, Belt Routing
11	103-1798	1	Decal, Throttle	27	1-403005	2	Decal-Danger
12	103-2882	1	Decal,Exmark Logo	28	116-3884	2	Decal-S-Series
13	1-303517	1	Decal,Belt Drive	99	103-2461	1	Decal Kit ●
14	103-1976	1	Decal, Ecs Console				

● Not illustrated



Fuel Tank Assembly

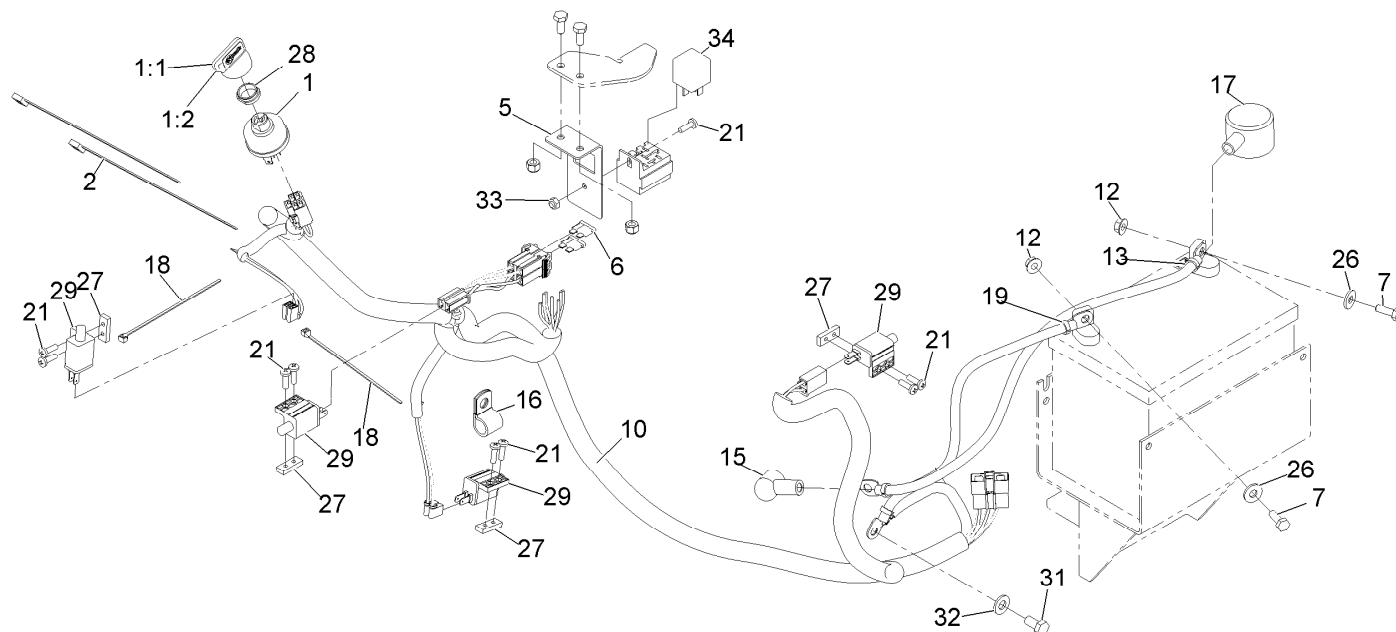
Ref.	Part Number	Qty.	Description
1	2412-98	4	Clamp-Hose
2	1-603770	1	Valve-Fuel
3	103-2605	1	Fitting-Fuel Bulkhead W/Strainer ▲
4	104-8300	2	Nut-Nyloc 5/16-18 Flg
5	107-4543	2	Clamp
6	109-0650	1	Hose-Fuel
7	99-9415	1	Hose-Fuel
8	114-0285	1	Valve-Rollover
9	115-4465	1	Cap-Fuel, Ratcheting
10	116-3656	1	Asm-Fuel Tank
11	119-6549	1	Grommet-Valve, Roll-Over
12	322-10	2	Screw-HH 5/16-18 X 2
13	3256-3	2	Washer-5/16 Std
14	116-2394	1	Hose-Vent, Formed

Ref.	Part Number	Qty.	Description
15	116-2232	1	Valve-Control, Vacuum
16	116-2233	1	Hose-Vent, Formed
17	116-2231	1	Hose-Vent, Formed
18	321-2	2	Screw-HH 1/4-20 X 1/2
19	114-0292	1	Bracket-Canister, Carbon
20	115-4486-01	1	Bracket-Canister, Carbon
21	3229-1	2	Bolt-Carriage 1/4-20 X 3/4
22	104-7201	4	Nut-Nyloc 1/4-20 Flg
23	115-0962	1	Hose-Vent, Canister
24	114-0286	1	Hose-Vent
25	117-1221	1	Canister-Carbon, 800Cc
26	1-303335	3	Tie-Cable 7 15/16 (Large)
27		1	Pn 41019-1055 Filter W/6In Fuel Line ■●

● Not serviced separately

▲ Use Pro-Lock, Nut Type (P/N 1-840022, .5ml tube) on threads.

■ Obtain parts from www.kawpowerepc.com

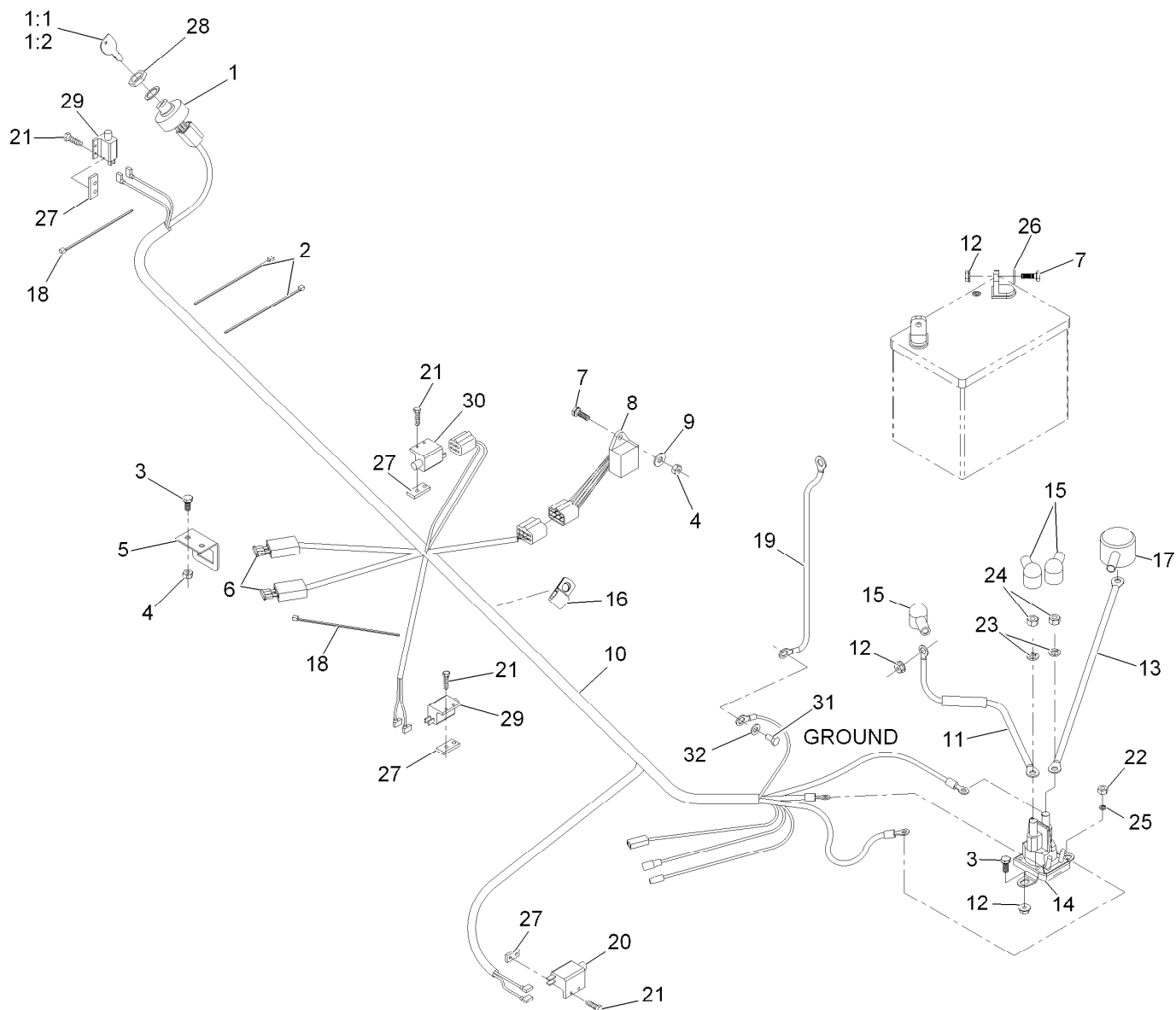


Electrical Assembly - With Solenoid Attached to Engine

Ref.	Part Number	Qty.	Description
1	103-0206	1	Switch-Ignition W/Keys
1:1	1-603511	1	Key-Ignition
1:2	103-2106	1	Key-Exmark Logo
2	1-303335	2	Tie-Cable 7 15/16 (Large)
5	116-2738-01	1	Bracket, Fuse
6	1-816001	2	Fuse-Blade Type, 20 Amp
7	321-4	5	Screw-HH 1/4-20 X 3/4
10	116-2560	1	Harness, Wiring ●
12	32128-33	2	Nut-Whizlock 1/4-20
13	109-7628	1	Cable, Battery +
15	1-543393	1	Insulator-Solenoid
16	1-603727	1	Clip-Loom

Ref.	Part Number	Qty.	Description
17	109-2407	1	Insulator-Battery
18	1-303287	2	Tie-Cable 5 1/2 (Small)
19	1-413540	1	Cable-Battery, Negative
21	3290-500	9	Screw-PPH #10-24 X 5/8
26	3256-2	2	Washer-1/4 Std
27	1-633181	4	Plate-Tapped
28	103-0498	1	Nut-Ignition
29	1-513051	4	Switch-N.O.
31	33114-016	1	Screw-HH M8-1.25 X 16Mm
32	33094-00	1	Washer
33	3296-2	1	Nut-Nyloc #10-24
34	1-643275	1	Relay-12Vdc 40 Amp

● Use dielectric grease on all wiring harness connectors.



Electrical Assembly - With Solenoid Attached to Main Frame

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	1-543070	1	Switch,Ignition	16	1-603727	1	Clip-Loom
1:1	1-603511	1	Key-Ignition	17	109-2407	1	Insulator-Battery
1:2	103-2106	1	Key-Exmark Logo	18	1-303287	2	Tie-Cable 5 1/2 (Small)
2	1-303335	2	Tie-Cable 7 15/16 (Large)	19	1-413540	1	Cable-Battery, Negative
3	321-3	2	Screw-HH 1/4-20 X 5/8	20	1-513152	1	Switch-N.C.
4	3296-42	3	Nut-Nyloc 1/4-20	21	3290-500	8	Screw-PPH #10-24 X 5/8
5	1-323442-01	1	Bracket, Fuse	22	3219-14	2	Nut-Hex #10-32
6	1-816001	2	Fuse-Blade Type, 20 Amp	23	3253-4	2	Washer-Lock 5/16
7	321-4	5	Screw-HH 1/4-20 X 3/4	24	3220-2	2	Nut-Jam 5/16-24
8	1-613198	1	Module, Safety Interlock	25	3253-17	2	Washer-Lock 3/16
9	3256-22	1	Washer-1/4 Sae	26	3256-2	2	Washer-1/4 Std
10	103-2006	1	Harness, Wiring ●	27	1-633181	4	Plate-Tapped
11	109-9415	1	Positive Starter Cable ASM	28	103-0498	1	Nut-Ignition
12	32128-33	5	Nut-Whizlock 1/4-20	29	1-513051	2	Switch-N.O.
13	109-7628	1	Cable, Battery +	30	1-633111	1	Switch
14	117-1197	1	Solenoid	31	33114-016	1	Screw-HH M8-1.25 X 16Mm
15	1-543393	3	Insulator-Solenoid	32	33094-00	1	Washer

● Use dielectric grease on all wiring harness connectors.

Notes:

Notes:

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