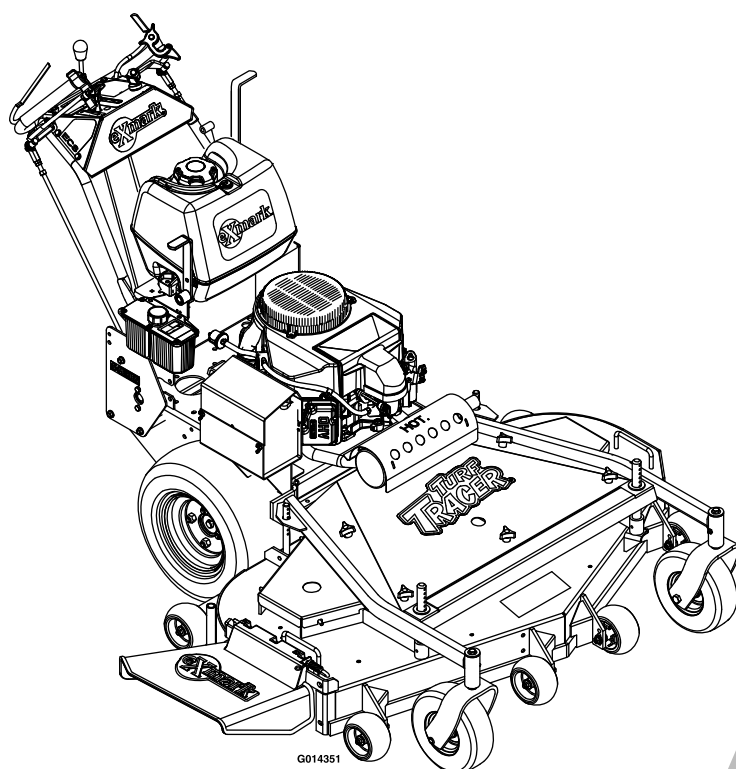




TURF TRACER® S-SERIES

Model No. TTS20KAE523—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	HOC: height-of-cut	RRB: rear roller brush
ASM: assembly	HSBH: hex socket button head	SFH: slotted fillister head
BBC: blade brake control	HSFH: hex socket flat head	SHH: slotted hex head
BHTF: button head thread forming	HSH: hex socket head	SHWH: slotted hex washer head
CARR: carriage	HWH: hex washer head	SPH: slotted pan head
CCW: counter clockwise	HWHTF: hex washer head thread forming	SQH: square head
CW: clockwise	HYD: hydraulic	SRH: slotted round head
DEG: degrees	LH: left hand	STD: standard
DPA: Dual Point Adjustment	LP: Liquid Propane	TAP: self tapping
ECM: electronic control module	NI: nylon insert	TTH: torx truss head
EXT: external	NPTF: national pipe thread fine	
FH: flat head	PFH: phillips flat head	
GA: gauge	PPH: phillips pan head	
HD: heavy-duty	PPHTF: phillips pan head thread forming	
HF: hex flange	PRH: phillips round head	
HH: hex head	PTH: phillips truss head	
HHF: hex head flange	PTO: power-take-off	
HHFTF: hex head flange thread forming	RH: right hand	
HJ: hex jam	ROPS: roll-over protection system	
HLH: hex lag 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

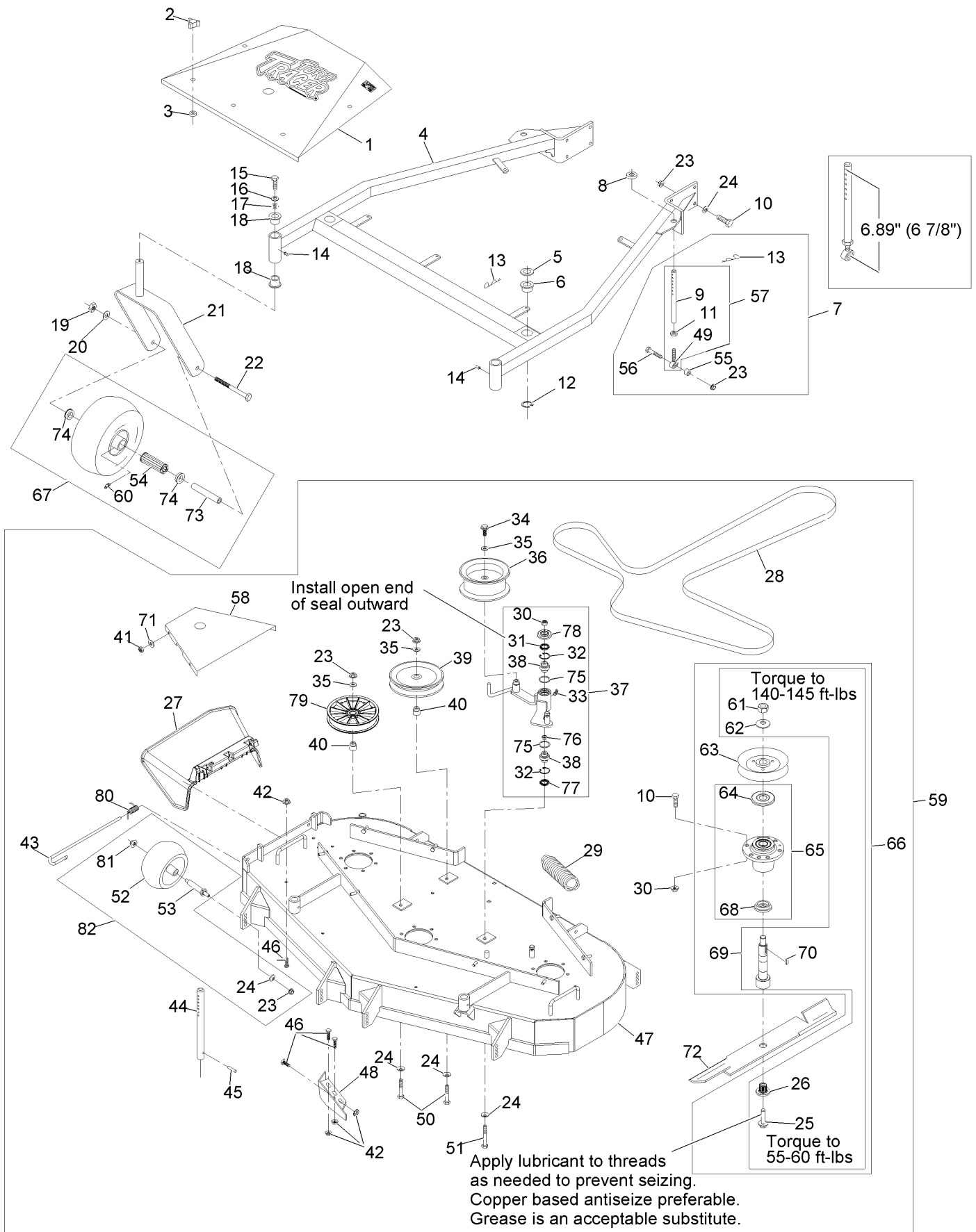
OR *FREE**

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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- Electrical Assembly 15
- Hydraulic Assembly 16
- Decals 18

Mower Deck Assembly



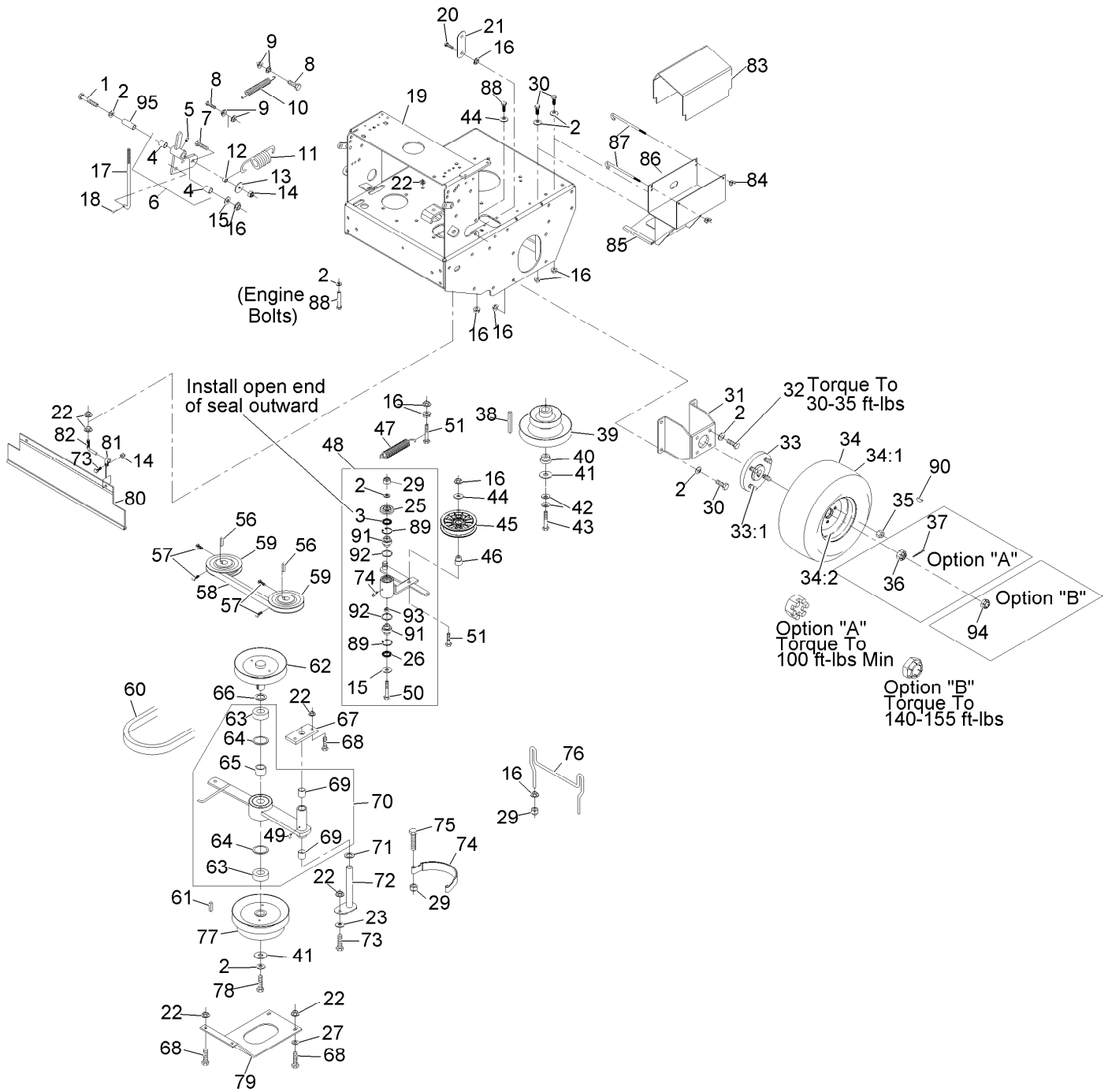
Mower Deck Assembly (continued)

<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	116-2712	1	Shield, Belt (1-413303-01) W/Decals	46	322-2	6	Screw-HH 5/16-18 X 5/8
2	1-323385	5	Knob-3 Prong	47	1-414385	1	Wld, Deck (116-2458-01) W/Decals, Discharge Baffle & Support Rods
3	1-323417	5	Washer-Belt Shield	48	116-2073-01	1	Baffle, Discharge
4	1-414311	1	Wld, Support (1-412317-01) W/Bushings & Decals	49	1-613204	2	Balljoint
5	1-413425	2	Spacer	50	323-13	2	Screw-HH 3/8-16 X 2 3/4
6	1-513336	2	Bushing-Deck	51	98-5961	1	Screw-HH 3/8-16 X 4 Gr8
7	1-411532	2	Kit, Support Link W/Pin	52	1-603299	6	Roller-Scalp, Anti
8	1-323539	2	Spacer-Blade Drive	53	99-2842	6	Spacer
9	1-413525	2	Link, Rear Deck Support	54	1-513809	2	Bearing
10	323-7	26	Screw-HH 3/8-16 X 1 1/4	55	1-603050	2	Spacer
11	3220-3	2	Nut-Jam 3/8-24	56	323-9	2	Screw-HH 3/8-16 X 1 3/4
12	32120-33	2	Ring-Retaining	57	1-414521	2	Link, Assembly
13	1-806009	4	Hairpin-Cotter #206	58	103-2971-01	2	Shield, Belt
14	302-52	2	Zerk-1/8-27 Str	59	103-0322	1	Asm, Deck Complete
15	323-6	2	Screw-HH 3/8-16 X 1	60	302-61	2	Zerk-45° 1/4-28
16	3253-5	2	Washer-Lock 3/8 Heavy	61	3217-46	3	Nut-Hex 3/4-16 Heavy
17	1-373034	2	Washer	62	103-2802	3	Washer-Spring Disc 3/4
18	1-303514	4	Bearing-Flanged	63	1-413424	3	Sheave W/ Hub ■
19	3217-9	2	Nut-Hex 1/2-13	64	103-1330	3	Guard-Bearing Top ■
20	3253-7	2	Washer-Lock 1/2	65	103-8280	3	Kit, Cutter Housing
21	1-522143-01	2	Wld, Caster	66	103-9081	3	Asm, Cutter Housing Complete
22	325-20	2	Screw-HH 1/2-13 X 6	67	103-2171	2	Kit, Tire & Wheel Asm W/ Spacer
23	3290-357	18	Nut-Whizlock 3/8-16	68	103-2535	3	Spacer-Guard Bottom
24	98-5975	17	Washer-Spring Disc 3/8	69	103-9071	3	Kit, Spindle ■
25	109-9220	3	Screw-Sems 1/2-20 X 2.19	70	1-807268	3	Key-Machine 1/4 X 3/16 X 1
26	103-3037	3	Bushing,Splined	71	3256-3	8	Washer-5/16 Std
27	109-5151	1	Cht Disch Xrk M056	72	103-6402	3	Blade-Notched
28	1-413308	1	Belt, Deck Drive	72	103-6392	3	Blade, Mulch 18.0 (.94 Hole)
29	103-3330	1	Spring-Extension	72	103-6387	3	Blade, Low Lift 18.0 (.94 Hole)
30	3296-39	19	Nut-Nyloc 3/8-16	72	103-6382	3	Blade, Solid 18.0 (.94 Hole)
31	103-3506	1	Seal-Single Lip	72	103-6397	3	Blade, Extreme 18.0 (.94 Hole)
32	32120-10	2	Ring-Retaining	73	1-513547	2	Spacer
33	302-40	1	Zerk-90° 1/4-28	74	1-513810	4	Bushing-Flanged
34	3234-11	1	Screw-HH Flg 3/8-16 X 1	75	106-7159	2	O-Ring
35	3256-24	3	Washer-3/8 Sae	76	103-5677	1	Spacer
36	1-413099	1	Pulley-Idler	77	103-3505	1	Seal-Double Lip
37	103-8585	1	Kit, Idler Arm (103-7356-03) W/Brgs ●	78	103-2916	1	Guard-Top
38	103-3504	2	Bearing-Spherical	79	109-0977	1	Pulley,Idler 5"
39	1-613098	1	Pulley-Idler	80	116-0962	1	Spring, Torsion
40	1-413113	2	Bushing-Idler	81	109-6658	4	Nut-Nyloc 3/8-16 Flg
41	3296-29	8	Nut-Nyloc 5/16-18	82	103-4051	1	Kit,Anti-Scalp Roller
42	32128-20	6	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				

● Assembly also includes Washer and Screw

■ 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



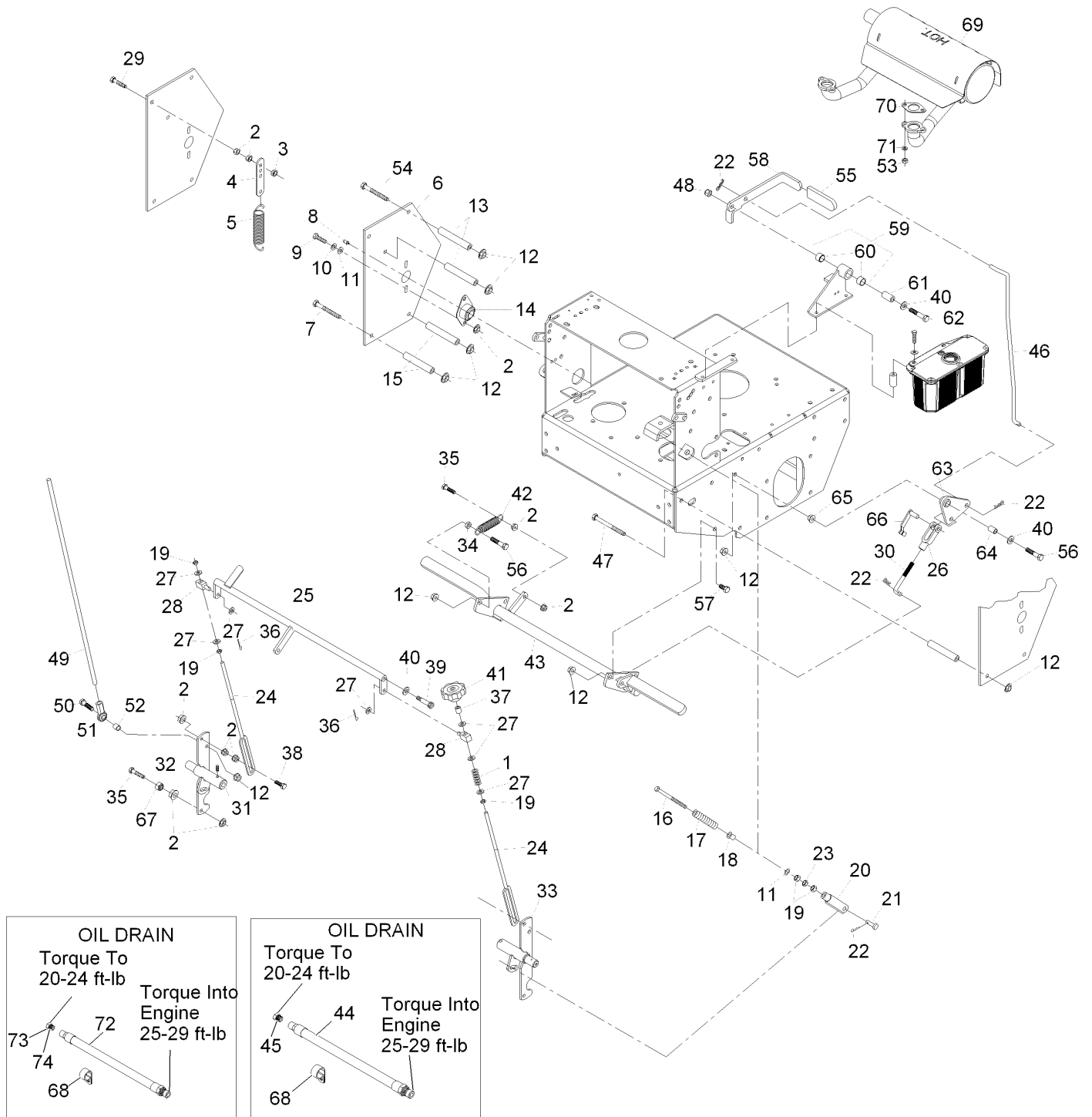
Engine Deck Assembly (continued)

<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	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	1-412031	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
45	109-4077	1	Pulley-Idler, Flat	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.)



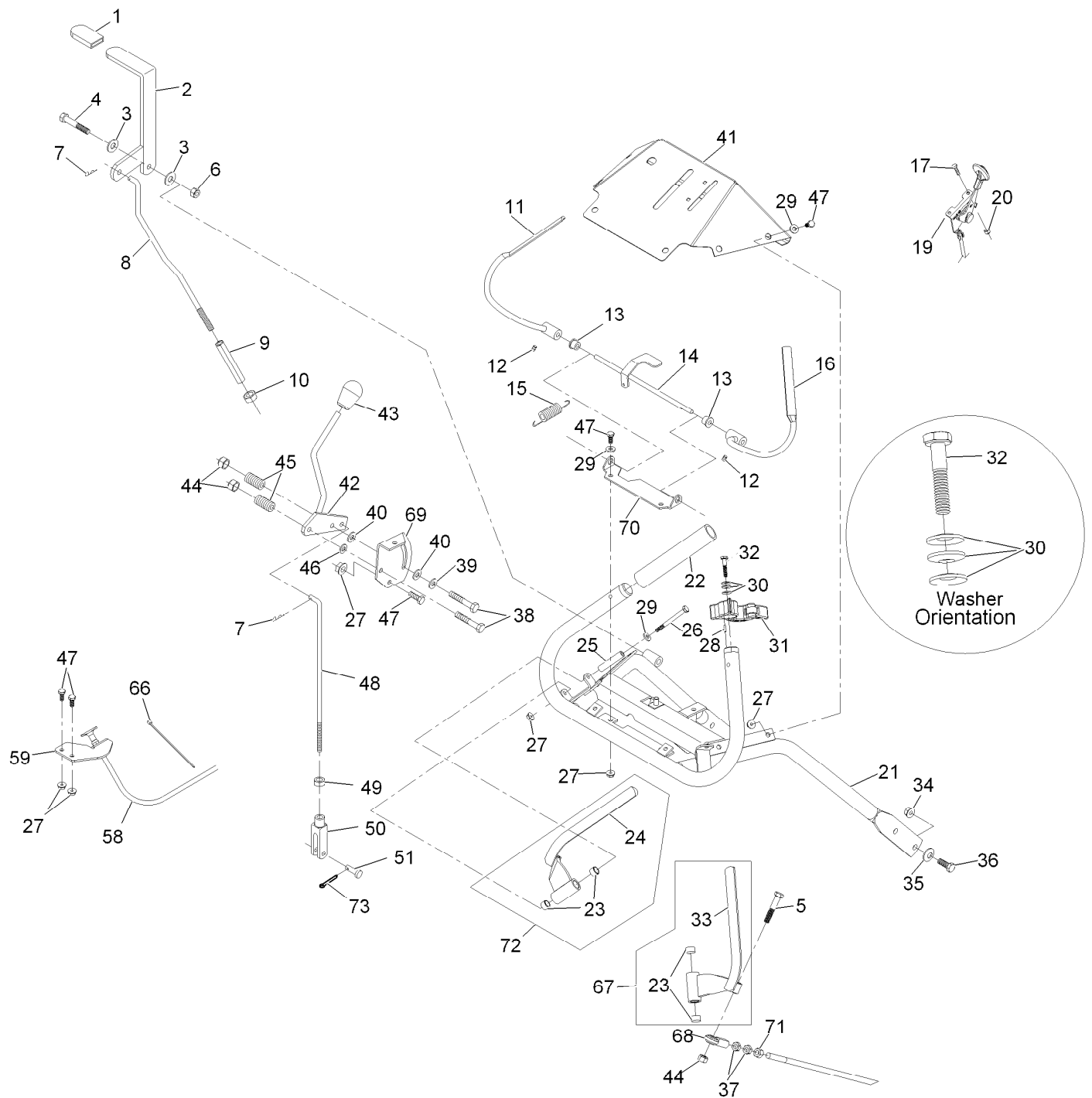
Engine Deck Assembly (cont.) (continued)

<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	39	1-809056	2	Screw-Sh 5/16-18 X 1 3/8 ■
2	32128-20	20	Nut-Whizlock 5/16-18	40	3256-24	4	Washer-3/8 Sae
3	3296-29	2	Nut-Nyloc 5/16-18	41	103-3060	1	Knob-Tracking
4	1-613089	2	Tab-Spring, Extension	42	1-323161	1	Spring
5	1-603693	2	Spring	43	103-2004-03	1	Brake
6	110-4897-01	2	Shield-Control	44	109-0877	1	Asm, Oil Drain W/Plug ●
7	323-16	6	Screw-HH 3/8-16 X 4	45	109-1012	1	Plug
8	302-19	2	Zerk-1/4-28 Str	46	1-413492	1	Linkage, Upper Brake
9	322-3	4	Screw-HH 5/16-18 X 3/4	47	323-16	1	Screw-HH 3/8-16 X 4
10	1-805005	4	Washer-Lock 5/16 Heavy	48	3296-39	1	Nut-Nyloc 3/8-16
11	3256-2	6	Washer-1/4 Std	49	103-1148	2	Rod, Drive Lever
12	3290-357	15	Nut-Whizlock 3/8-16	50	323-8	2	Screw-HH 3/8-16 X 1 1/2
13	1-323195-01	4	Spacer-Shield	51	103-1167	2	Joint-Ball End, .38X.38Fe LH
14	1-633102	2	Bearing-Flanged	52	103-1166	2	Spacer-Tube, Pump Link
15	1-323197-01	4	Spacer-Shield	53	114-3549	4	Nut-M8
16	1-603737	2	Bolt-Neutral Return	54	323-23	1	Screw-HH 3/8-16 X 4-1/2
17	103-0265	2	Spring, Neutral Return	55	1-303020	1	Grip-Lever
18	1-603735	2	Bushing-Flanged	56	323-9	2	Screw-HH 3/8-16 X 1 3/4
19	3219-2	7	Nut-Hex 5/16-24	57	323-4	3	Screw-HH 3/8-16 X 3/4
20	1-303105	2	Yoke-Adjustable	58	103-3495	1	Lever, Brake (1-412501-03) W/Decal & Grip
21	1-808280	2	Pin-Clevis 5/16 X 1 49/64	59	1-414504	1	Bracket ASM
22	1-806003	5	Hairpin-Cotter	60	1-413347	2	Sleeve-Bushing
23	3220-2	2	Nut-Jam 5/16-24	61	1-413344	1	Bushing-Pivot
24	1-413350	2	Link-Control, Speed	62	323-10	1	Screw-HH 3/8-16 X 2
25	1-412203-01	1	Crank-Control, Speed	63	1-414508	1	Bellcrank ASM
26	1-633131	1	Yoke-Linkage, Brake	64	1-303548	1	Bushing-Plastic
27	3256-23	7	Washer-5/16 Sae	65	32128-21	1	Nut-3/8-16 Flanged Side Lock
28	1-603676	2	Swivel-Adjustable, Short	66	103-2399	1	Pin-Clevis Spring 3/8
29	1-800016	2	Bolt-HH 5/16-18 X 1 1/4 Tap	67	3218-2	2	Nut-Jam 5/16-18
30	1-413489	1	Linkage-Lower	68	1-643312	1	Clip-Loom
31	1-803022	2	Setscrew-5/16-18 X 5/8 ■	69	116-4397	1	Muffler
32	103-1190-01	1	Shaft-Control, LH	70	1-653313	2	Gasket-Exhaust
33	103-4796-01	1	Shaft-Control, RH	71	114-3550	4	Washer-Lock, Spring
34	3218-3	1	Nut-Jam 3/8-16	72	116-5052	1	Asm-Oil Drain Hose W/Plug ●
35	116-3515	3	Screw,HH Special 5/16-18 X 1.25	73	353-508	1	Plug-W/O-Ring
36	3272-5	2	Pin-Cotter 3/32 X 1/2	74	237-42	1	O-Ring
37	1-603903	1	Spacer				
38	1-403180	2	Screw-HH 5/16-18 X 1 1/4 Sp				

● Use a Teflon Pipe Sealant or equivalent on threads.

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

ECS Upper Handles and Controls Assembly

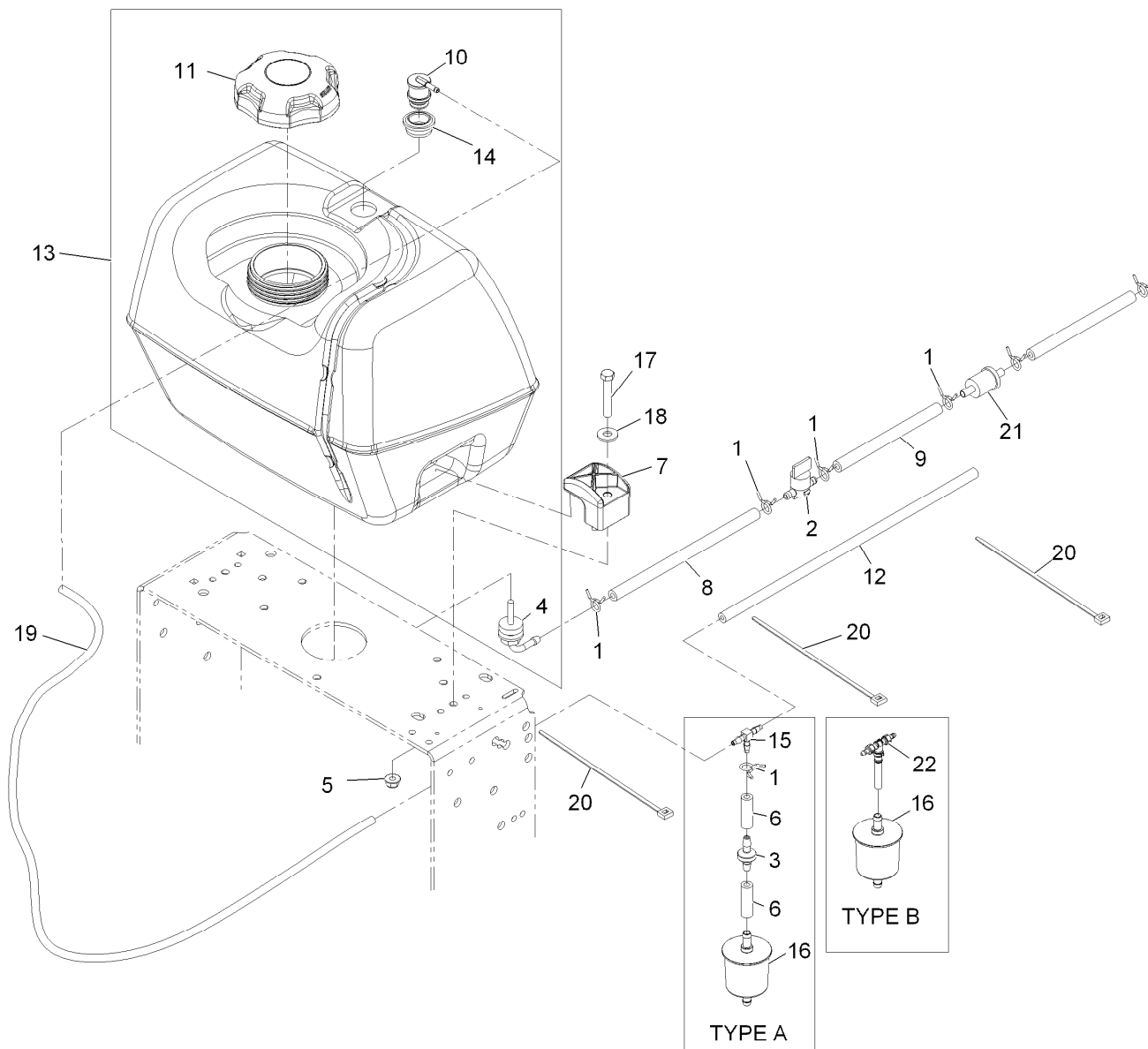


ECS Upper Handles and Controls Assembly (continued)

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	116-4082-03	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	116-4081-03	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.



Fuel Tank Assembly

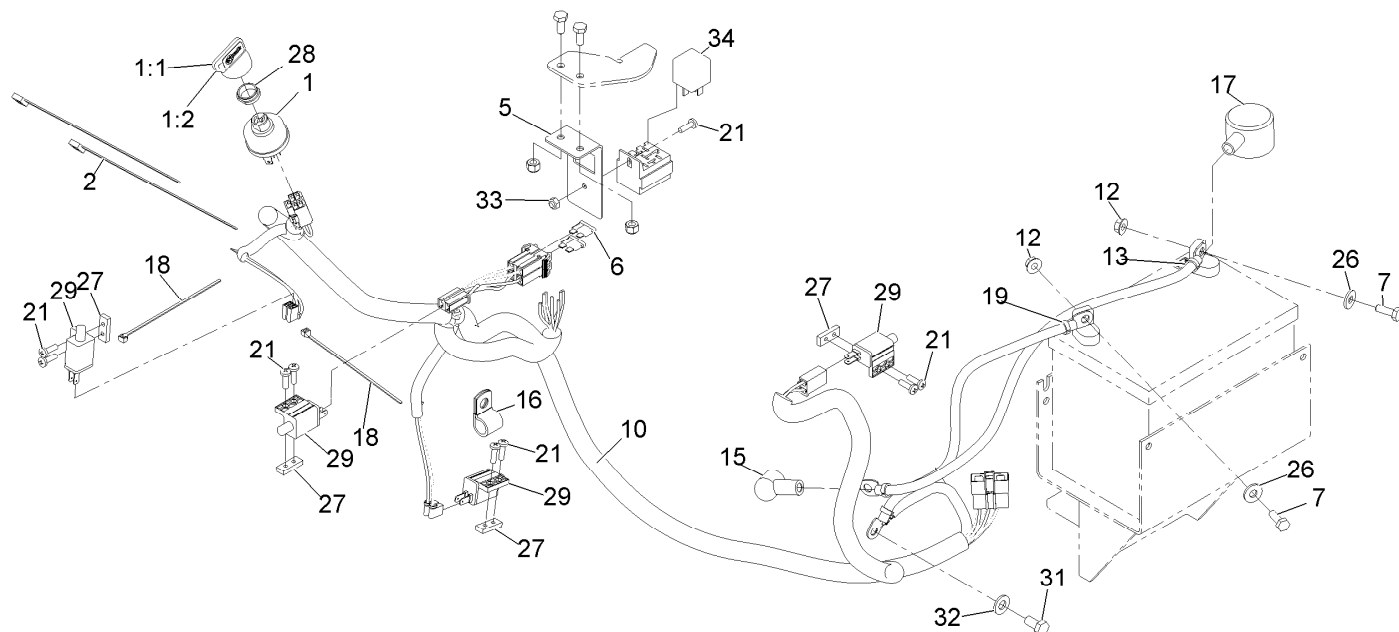
Ref.	Part Number	Qty.	Description
1	2412-98	5	Clamp-Hose
1	2412-98	4	Clamp-Hose
2	1-603770	1	Valve-Fuel
3	99-5000	1	Valve-Check, Fuel
4	103-2605	1	Fitting-Fuel Bulkhead W/Strainer ▲
5	104-8300	2	Nut-Nyloc 5/16-18 Flg
6	106-9492	2	Hose-Fuel
7	107-4543	2	Clamp
8	109-0650	1	Hose-Fuel
9	99-9415	1	Hose-Fuel
10	114-0285	1	Valve-Rollover
11	120-5461	1	Cap-Fuel, Ratcheting

Ref.	Part Number	Qty.	Description
12	115-7872	1	Hose-Fuel
13	116-3656	1	Asm-Fuel Tank
14	114-0284	1	Grommet
15	120-2234	1	Fitting-Tee
16	120-2235	1	Filter-Air
17	322-10	2	Screw-HH 5/16-18 X 2
18	3256-3	2	Washer-5/16 Std
19	116-4346	1	Hose-Emissions
20	1-303335	3	Tie-Cable 7 15/16 (Large)
21		1	Pn 41019-1055 Filter W/6In Fuel Line ■●
22	116-5464	1	Asm-Tee And Check

● Not serviced separately

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

■ Obtain parts from www.kawpowerepc.com



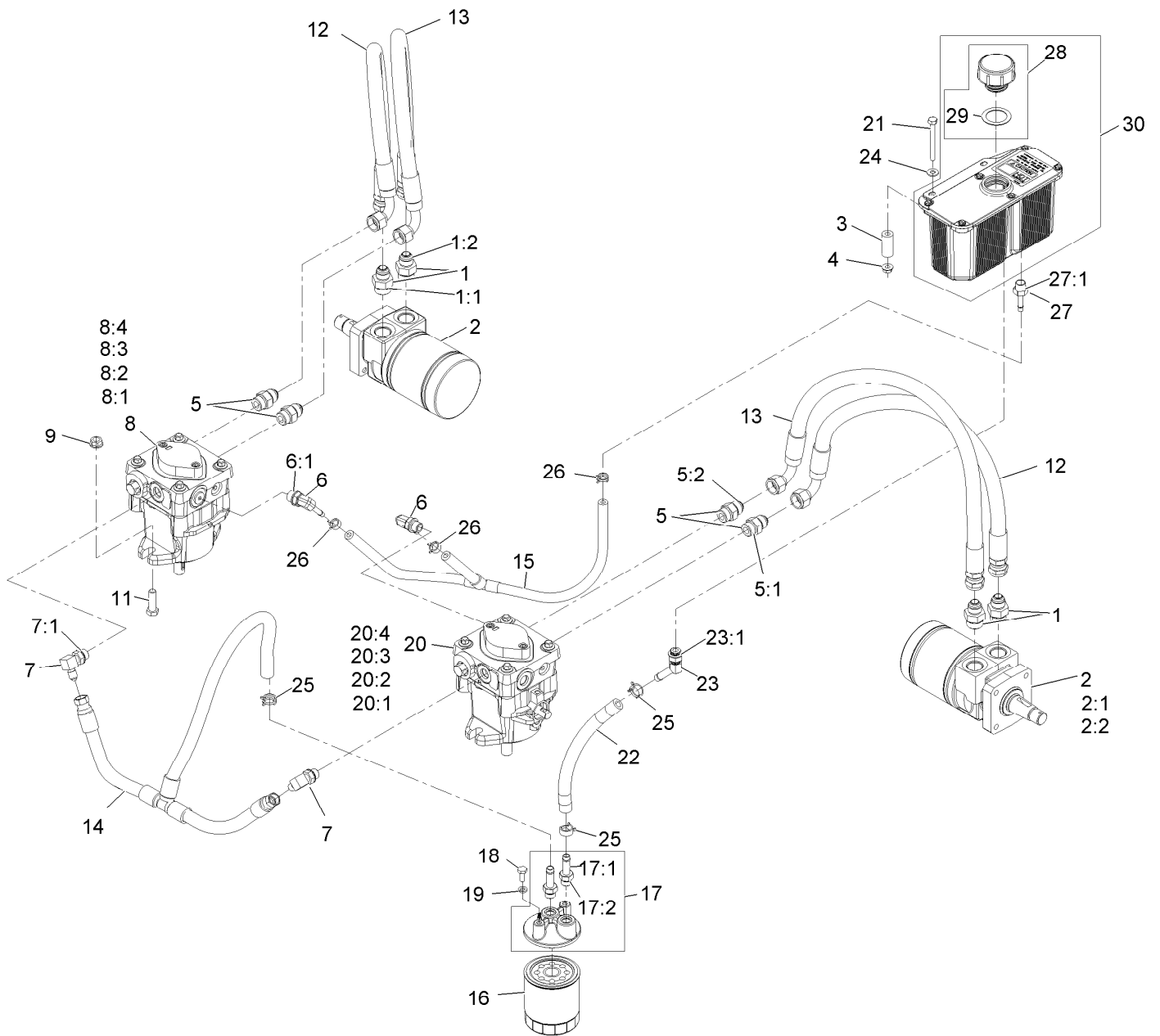
Electrical Assembly

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.

Hydraulic Assembly

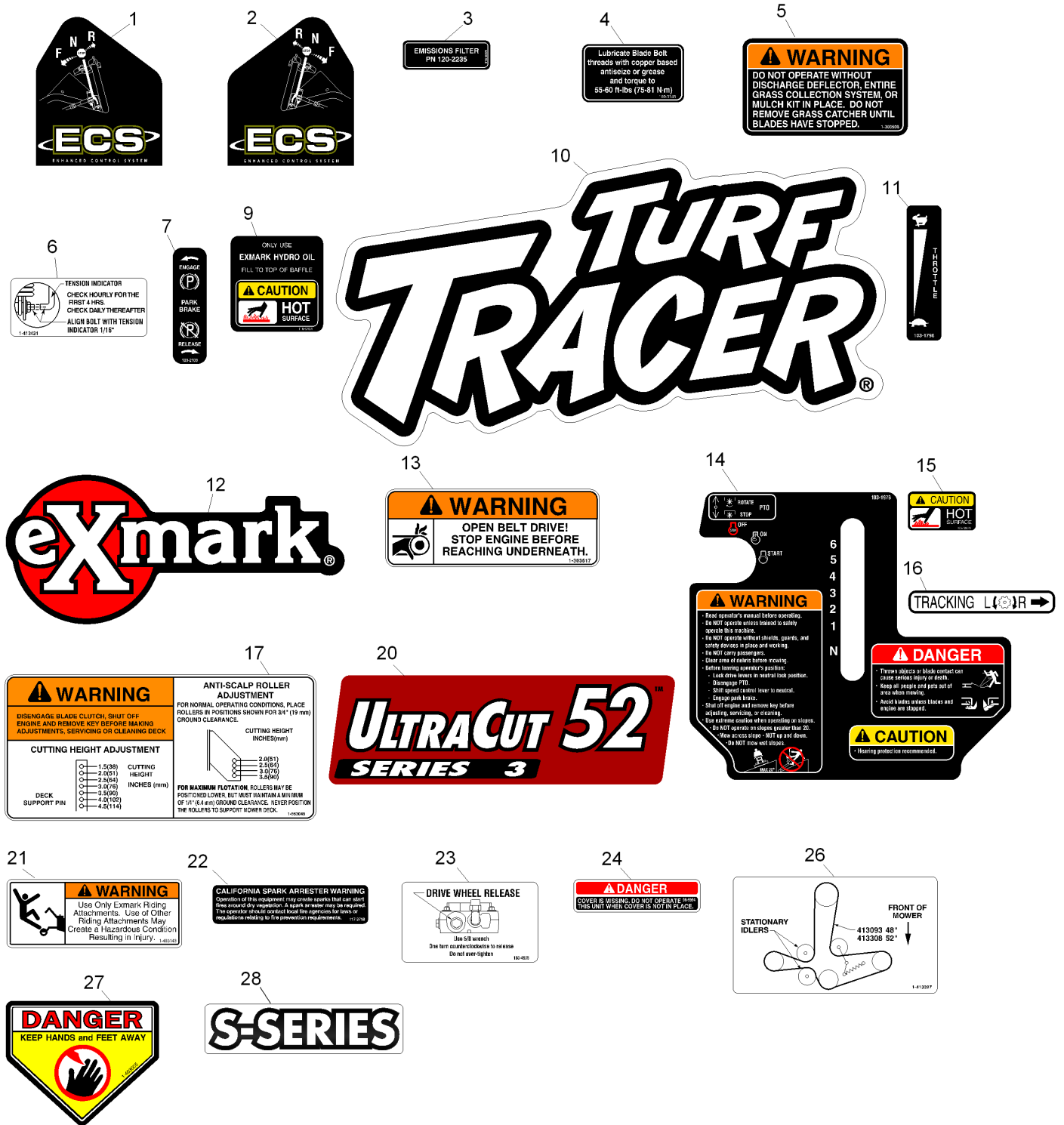


Hydraulic Assembly (continued)

<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	116-4769	1	Decal-Filter, Emissions	17	1-553049	1	Decal-Anti Scalp
4	109-3148	1	Decal,Bolt Torque	20	116-4699	1	Decal-Ultracut 52 Series 3
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

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