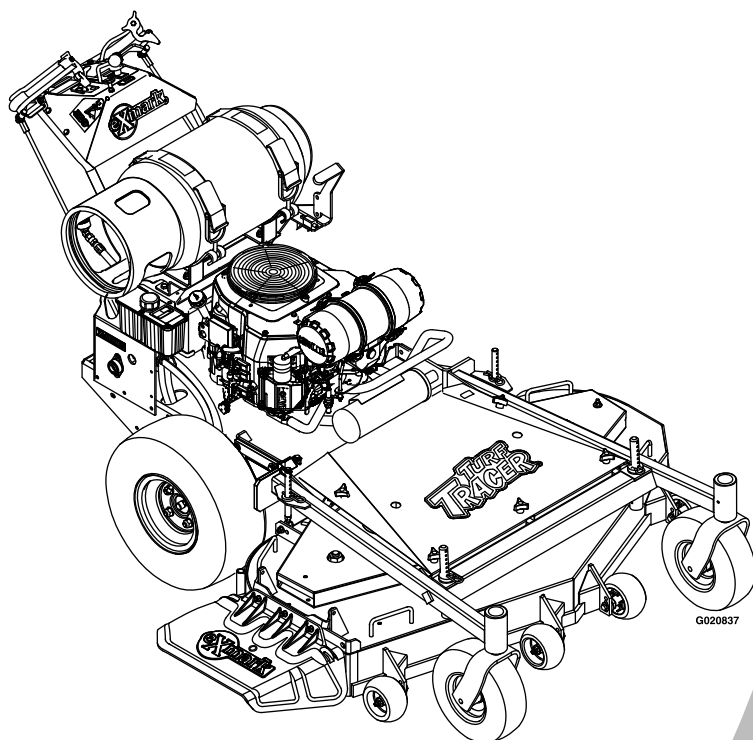




TURF TRACER X-SERIES

Model No. TTX680PKCE524—Serial No. 313000000 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	HJ: hex jam	PRH: phillips round head
ASM: assembly	HLH: hex lag head	PTH: phillips truss head
BBC: blade brake control	HOC: height-of-cut	PTO: power-take-off
BHTF: button head thread forming	HSBH: hex socket button head	RH: right hand
CARR: carriage	HSFH: hex socket flat head	ROPS: roll-over protection system
CCW: counter clockwise	HSH: hex socket head	RRB: rear roller brush
CW: clockwise	HWH: hex washer head	SFH: slotted fillister head
DEG: degrees	HWHTF: hex washer head thread forming	SHH: slotted hex head
DPA: Dual Point Adjustment	HYD: hydraulic	SHWH: slotted hex washer head
ECM: electronic control module	LH: left hand	SPH: slotted pan head
EXT: external	LP: Liquefied Petroleum Gas	SQH: square head
FH: flat head	LPG: Liquefied Petroleum Gas	SRH: slotted round head
GA: gauge	NI: nylon insert	STD: standard
HD: heavy-duty	NPTF: national pipe thread fine	TAP: self tapping
HF: hex flange	PFH: phillips flat head	TTH: torx truss head
HH: hex head	PPH: phillips pan head	
HHF: hex head flange	PPHTF: phillips pan head thread forming	
HHFTF: hex head flange thread forming		

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).

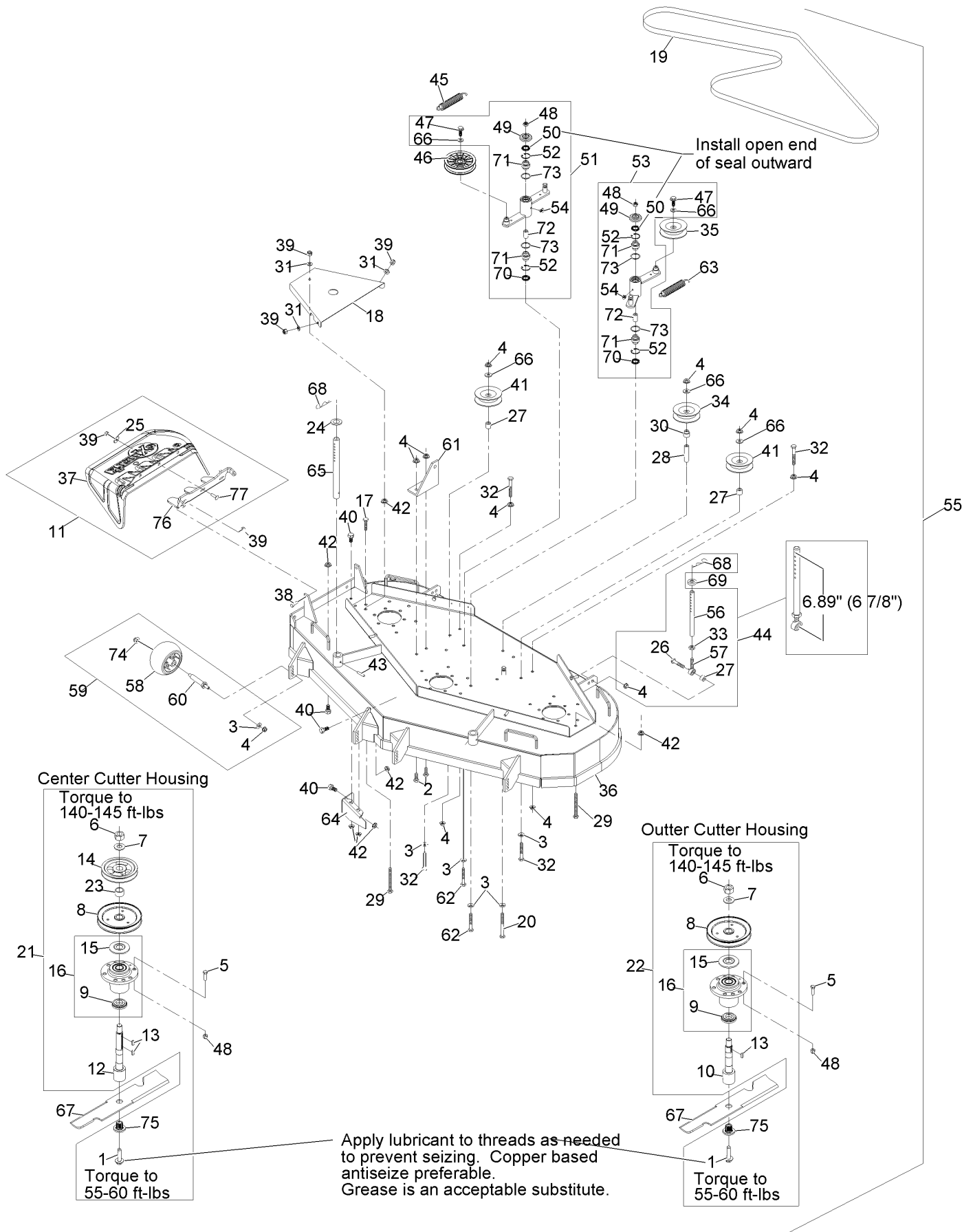


If your Exmark dealer does not have the Exmark part in stock, Exmark will get the parts to the dealer the next business day or the part will be FREE Guaranteed!! (Some restrictions apply. See your participating Exmark Dealer for details.)

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Deck Assembly



Deck Assembly (continued)

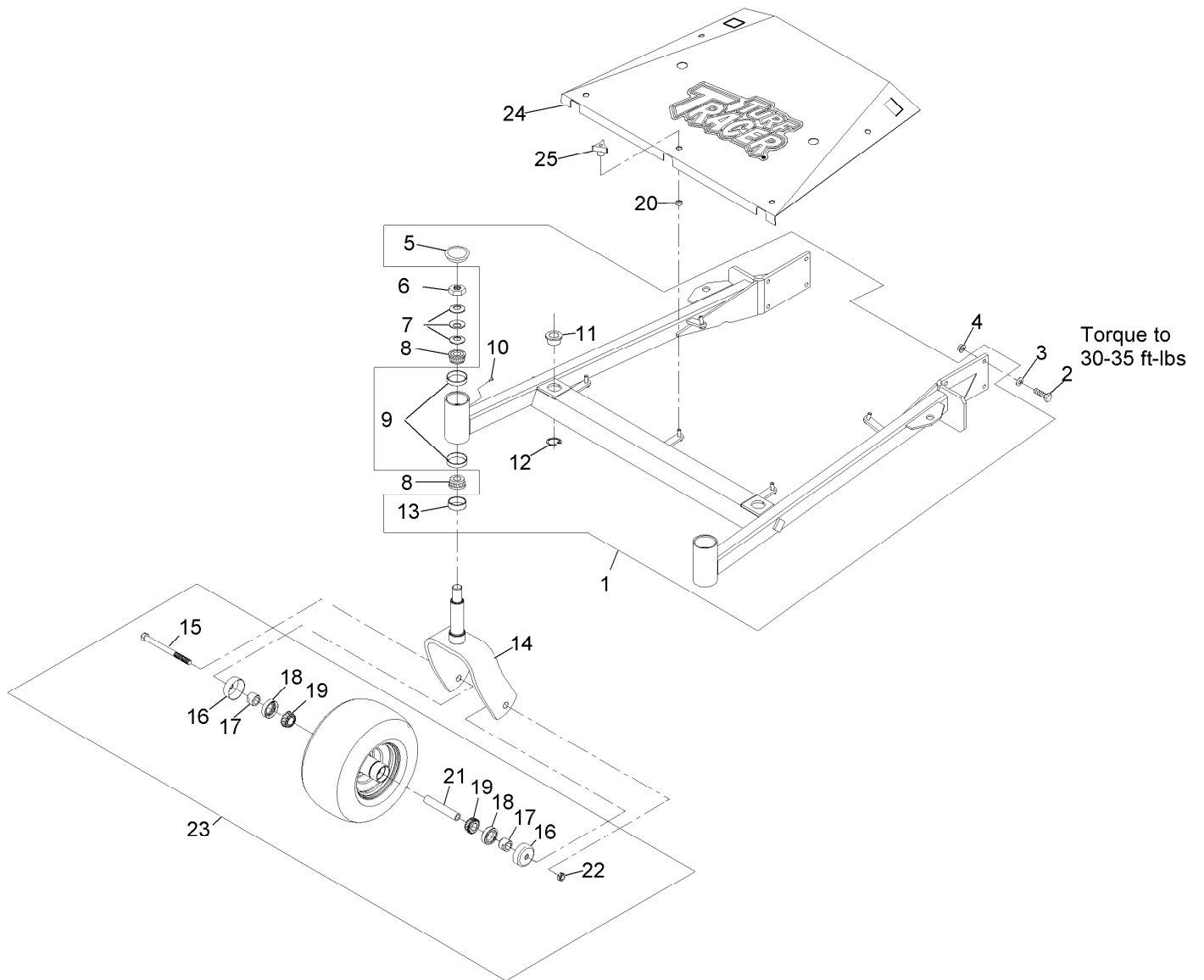
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	109-9220	3	Screw-Sems 1/2-20 X 2.19	40	322-2	5	Screw-HH 5/16-18 X 5/8
2	323-6	2	Screw-HH 3/8-16 X 1	41	1-303516	2	Pulley, V-Idler
3	98-5975	11	Washer-Spring Disc 3/8	42	32128-20	8	Nut-Whizlock 5/16-18
4	3290-357	17	Nut-Whizlock 3/8-16	43	1-806332	2	Rollpin 1/4 X 1 1/2
5	323-7	18	Screw-HH 3/8-16 X 1 1/4	44	1-411532	2	Kit, Support Link W/Pin
6	3217-46	3	Nut-Hex 3/4-16 Heavy	45	1-603413	1	Spring-Extension
7	103-2802	3	Washer-Spring Disc 3/4	46	109-4077	1	Pulley-Idler, Flat
8	103-2794	3	Sheave, Blade Drive ▲	47	3234-11	2	Screw-HH Flg 3/8-16 X 1
9	103-2535	3	Spacer-Guard Bottom	48	3296-39	20	Nut-Nyloc 3/8-16
10	103-9086	2	Kit-Splined Spindle ▲	49	103-2916	2	Guard-Top
11	109-4722	1	Asm, Discharge Chute	50	103-3506	2	Seal-Single Lip
12	103-9087	1	Kit, Center Blade Spindle (Long) ▲	51	103-8072	1	Kit, Idler Arm W/Bearings ●
13	103-2982	4	Key-Machine 1/4 X 3/16 X 3/4	52	32120-10	4	Ring-Retaining
14	103-2793	1	Sheave, Mower Drive ▲	53	103-8071	1	Kit, Idler Arm W/Bearings ●
15	103-1330	3	Guard-Bearing Top ▲	54	302-40	2	Zerk-90° 1/4-28
16	103-8280	3	Asm, Cutter Housing W/Bearings ▲	55	116-5947	1	Asm, Complete Deck
17	322-3	1	Screw-HH 5/16-18 X 3/4	56	1-413525	2	Link, Rear Deck Support
18	103-2969-01	2	Cover, Deck	57	1-613204	2	Balljoint
19	103-2329	1	Belt, Blade Drive	58	1-603299	6	Roller-Scalp, Anti
20	323-23	1	Screw-HH 3/8-16 X 4-1/2	59	103-4051	6	Kit, Antiscalp Roller (44" And 48")
21	103-9084	1	Housing, Cutter Complete (Center)	60	99-2842	6	Spacer
22	103-9076	2	Asm, Cutter Housing Complete	61	1-603620-01	1	Bracket, Spring Anchor
23	103-3209	1	Spacer, Tube	62	98-5961	2	Screw-HH 3/8-16 X 4 Gr8
24	1-413425	2	Spacer	63	1-603414	1	Spring-Extension
25	3256-82	3	Washer	64	116-2072-01	1	Baffle
26	323-9	2	Screw-HH 3/8-16 X 1 3/4	65	1-603001	2	Rod, Deck Support
27	1-603050	4	Spacer	66	3256-24	5	Washer-3/8 Sae
28	1-633988	1	Spacer-Anchor, Clutch	67	103-6402	3	Blade-Notched
29	1-800017	2	Bolt-HH 5/16-18 X 3 1/4 Tap	67	103-6382	3	Blade, Solid
30	1-513791	1	Bushing	67	103-6387	3	Blade, Low Lift
31	3256-3	6	Washer-5/16 Std	67	103-6392	3	Blade, Mulching ■
32	323-12	4	Screw-HH 3/8-16 X 2 1/2	67	103-6397	3	Blade, Extreme
33	3220-3	2	Nut-Jam 3/8-24	68	1-806009	4	Hairpin-Cotter #206
34	1-603805	1	Pulley-Idler	69	1-323539	2	Spacer-Blade Drive
35	1-613098	1	Pulley-Idler	70	103-3505	2	Seal-Double Lip
36	116-5949	1	Deck, (116-5862-01) W/ Decals	71	103-3504	4	Bearing-Spherical
37	109-2738	1	Chute, Discharge	72	1-413088	2	Spacer
38	322-5	2	Screw-HH 5/16-18 X 1	73	106-7159	4	O-Ring
39	3296-29	8	Nut-Nyloc 5/16-18	74	109-6658	6	Nut-Nyloc 3/8-16 Flg
				75	103-3037	3	Bushing, Splined
				76	109-4573-01	1	Bracket, Discharge Chute
				77	3230-22	3	Bolt-Carriage 5/16-18 X 1 Sp

● 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.

Deck Support Assembly

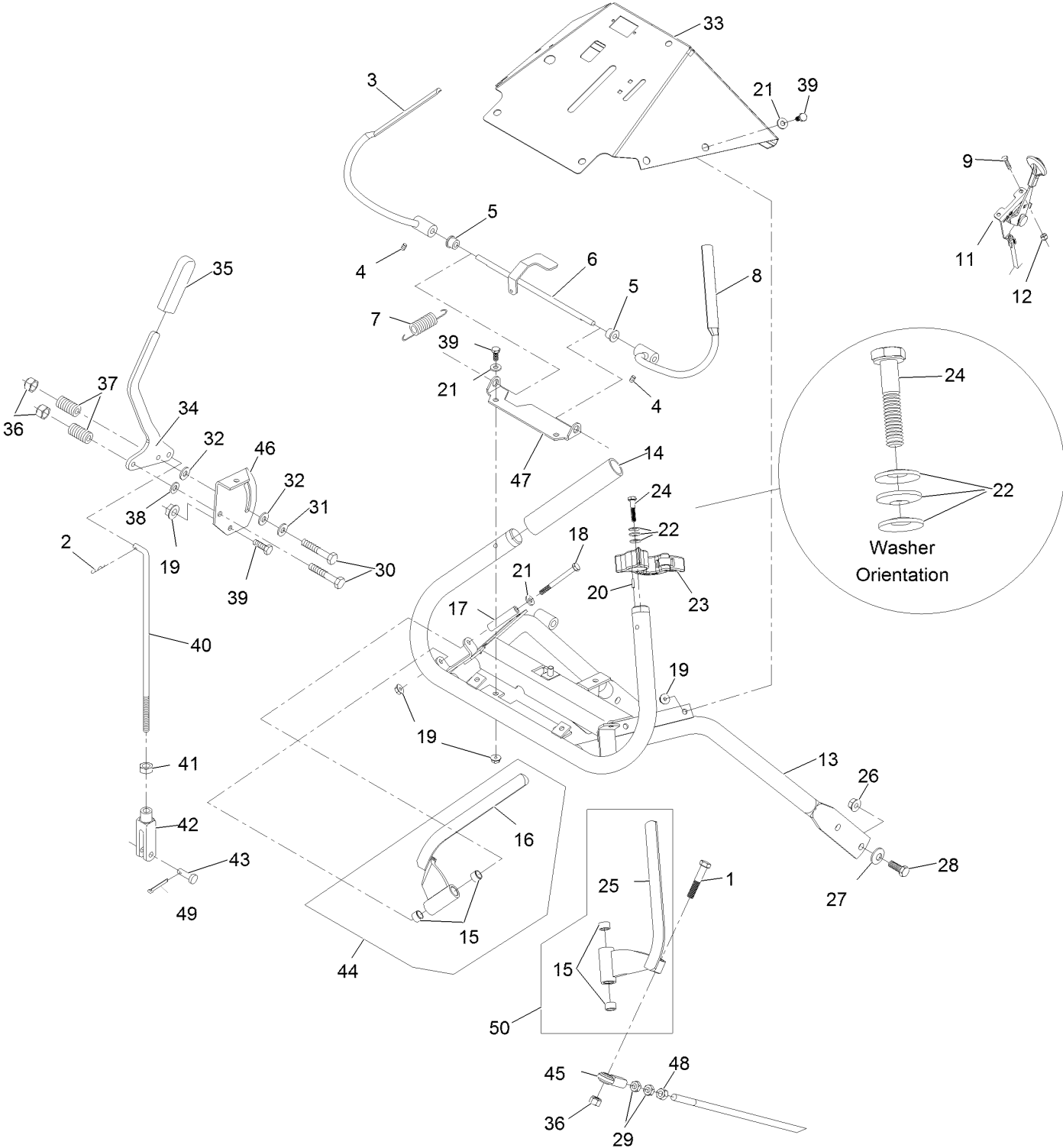


Deck Support Assembly (continued)

<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	103-1895	1	Support, Deck 103-4959-01 W/Bsgs And Decals	14	103-1891-01	2	Wld, Caster Fork
2	323-7	8	Screw-HH 3/8-16 X 1 1/4	15	325-20	2	Screw-HH 1/2-13 X 6
3	98-5975	8	Washer-Spring Disc 3/8	16	103-2768	4	Guard-Seal
4	3290-357	8	Nut-Whizlock 3/8-16	17	103-3051	4	Spacer-Nut ●
5	103-4882	2	Cap-Grease	18	103-0063	4	Seal-Double Lip
6	3296-51	2	Nut-Nyloc 3/4-10	19	1-633585	4	Bearing-Cone Tapered Roller
7	1-633508	6	Washer-Spring Disc	20	1-323417	5	Washer-Belt Shield
8	1-543509	4	Cone-Bearing Tapered Roller	21	103-3157	2	Axle-Caster
9	1-543508	4	Cup-Bearing Tapered Roller	22	3296-45	2	Nut-Nyloc 1/2-13 Thin
10	1-811010	2	Plug	23	109-3524	2	Asm, Wheel And Bearings
11	1-513336	2	Bushing-Deck	24	116-2708	1	Shield, Belt (103-2319-01) W/Decal (52")
12	32120-33	2	Ring-Retaining	25	1-323385	5	Knob-3 Prong
13	1-543511	2	Seal-Grease				

● 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)

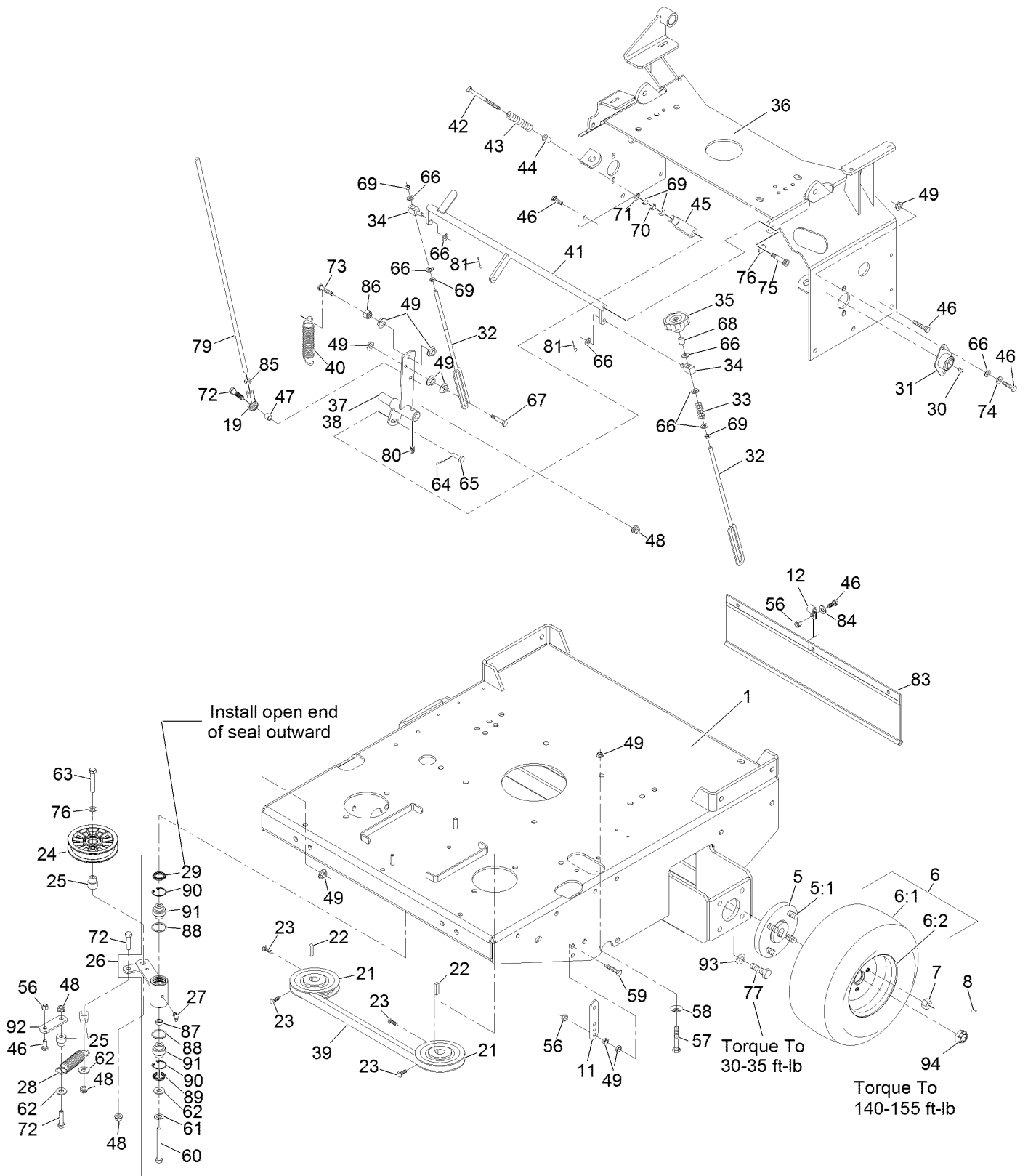
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	322-9	2	Screw-HH 5/16-18 X 1 3/4	26	3290-357	4	Nut-Whizlock 3/8-16
2	1-806003	1	Hairpin-Cotter	27	98-5975	4	Washer-Spring Disc 3/8
3	116-4079	1	Wld, Lever, Opc (LH) ▲	28	323-6	4	Screw-HH 3/8-16 X 1
4	1-803322	2	Setscrew-5/16-24 X 5/16 ■	29	3220-3	4	Nut-Jam 3/8-24
5	1-303365	2	Bushing-Nylon	30	322-10	2	Screw-HH 5/16-18 X 2
6	103-0769-03	1	Rod Weldment, Opc	31	1-603716	1	Washer-Friction Disc
7	1-303363	1	Spring-Extension	32	1-323244	2	Washer-Friction
8	116-4080	1	Wld, Opc Lever (RH) ▲	33	116-5095	1	Console 109-4506-03 W/ Decals
9	1-807513	2	Bolt-Carriage #10-24 X 1/2	34	116-8632	1	Lever-Shift W/Grip
11	109-3958	1	Control-Throttle	35	103-5994	1	Grip, Steering Handle
12	3296-2	2	Nut-Nyloc #10-24	36	3296-29	4	Nut-Nyloc 5/16-18
13	103-1537-03	1	Handle Wld, Upper Ecs	37	1-323245	2	Spring-Compression
14	103-0815	2	Grip-Bar, Handle	38	3256-23	1	Washer-5/16 Sae
15	1-413152	4	Bushing-Sleeve	39	321-3	10	Screw-HH 1/4-20 X 5/8
16	116-4081	1	Lever, Drive LH	40	1-413225	1	Rod, Speed Control
17	103-0027	2	Bushing-Lever, Drive	41	3220-2	1	Nut-Jam 5/16-24
18	321-14	2	Screw-HH 1/4-20 X 2 3/4	42	1-303105	1	Yoke-Adjustable
19	32128-33	12	Nut-Whizlock 1/4-20	43	1-808280	1	Pin-Clevis 5/16 X 1 49/64
20	103-0464	2	Pin-Spring 1/8 X 1/2	44	103-2514	1	Asm, Drive Lever LH
21	3256-22	10	Washer-1/4 Sae	45	103-2463	2	Balljoint
22	1-303435	6	Washer-Spring Disc 1/4	46	103-0503	1	Bracket, Shifter Slide
23	103-1371	1	Thumb Latch Asm RH	47	103-0489-03	1	Bracket, Opc Axle
23	103-1372	1	Thumb Latch Asm LH ●	48	3219-3	2	Nut-Hex 3/8-24
24	103-0235	2	Screw-HH 1/4-20 X 1 1/8 W/Nylon ■	49	3272-5	1	Pin-Cotter 3/32 X 1/2
25	116-4082	1	Lever, Drive RH	50	103-2513	1	Asm, Drive Lever RH

● Not illustrated

■ 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.

Engine Deck Assembly



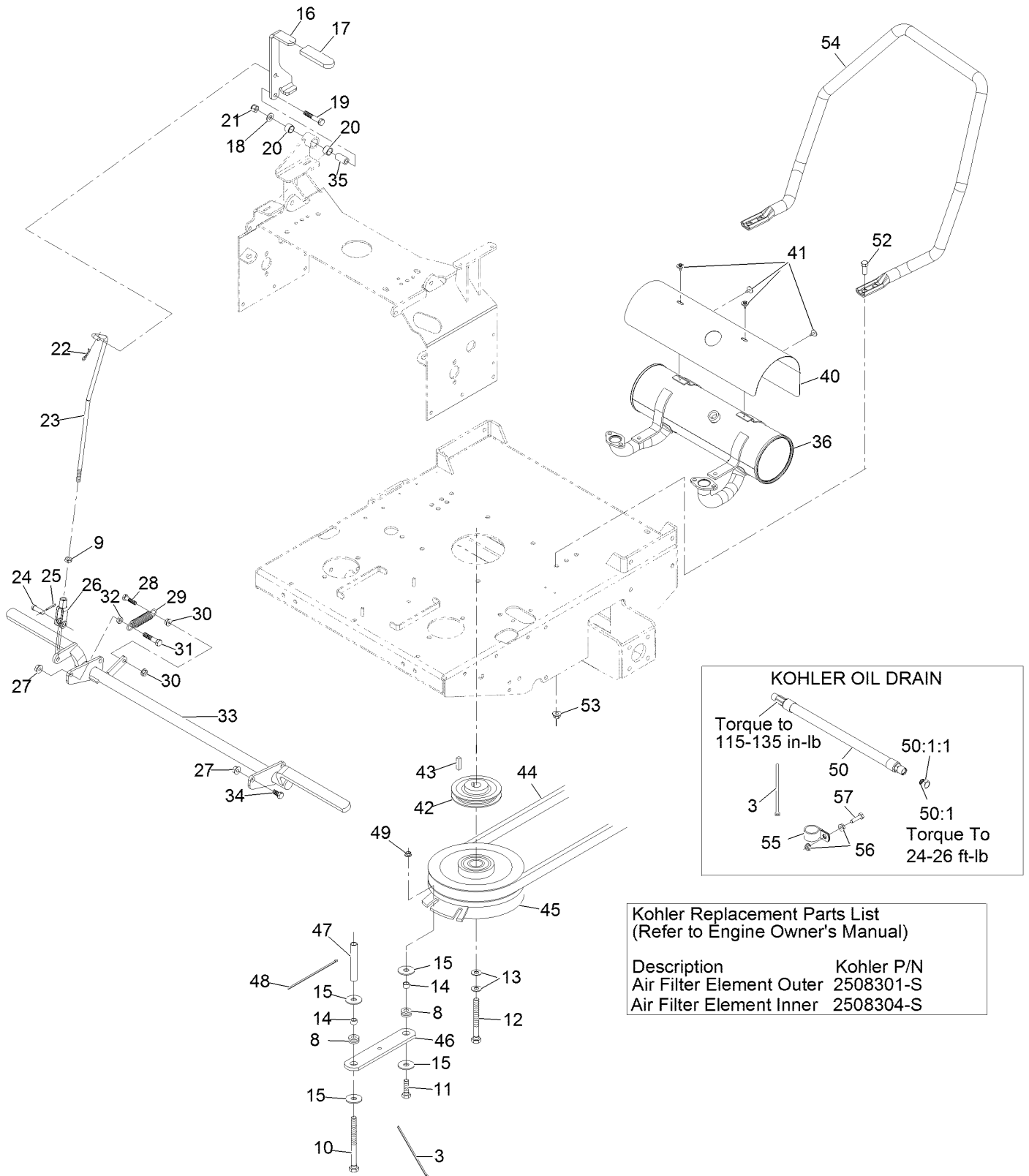
Engine Deck Assembly (continued)

<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	116-6130	1	Eng Deck (116-8949-01) W/ Decals	48	3290-357	6	Nut-Whizlock 3/8-16
5	112-9049	2	Wheel Hub ASM	49	32128-20	27	Nut-Whizlock 5/16-18
5:1	1-633926	8	Stud-Wheel	56	3296-29	6	Nut-Nyloc 5/16-18
6	103-1715	2	Tire And Wheel Assy	57	322-7	4	Screw-HH 5/16-18 X 1 1/2
6:1	103-2237	2	Tire Only 18 X 8.50	58	1-303334	4	Washer-Spring Disc 5/16
6:2	103-2238	2	Wheel Only	59	1-800016	2	Bolt-HH 5/16-18 X 1 1/4 Tap
7	242-50	8	Nut-Lug 1/2-20	60	1-800805	1	Screw-HH 3/8-16 X 3-1/2 Gr8 ■
8	1-807019	2	Key-Woodruff 1 X 1/4	61	3253-5	1	Washer-Lock 3/8 Heavy
11	1-613089	2	Tab-Spring, Extension	62	3256-4	3	Washer-3/8 Std
12	1-413510	3	Clip-Loom	63	323-9	1	Screw-HH 3/8-16 X 1 3/4
19	103-1167	2	Joint-Ball End, .38X.38Fe LH	64	1-806003	2	Hairpin-Cotter
21	1-413010	2	Sheave ASM	65	1-808280	2	Pin-Clevis 5/16 X 1 49/64
22	1-807272	2	Key-5Mm X 5Mm X 25Mm	66	3256-23	11	Washer-5/16 Sae
23	120-6474	4	Screw-Set, SQH 5/16-18 X 3/4 ■	67	1-403180	2	Screw-HH 5/16-18 X 1 3/8 Special
24	109-4077	1	Pulley-Idler, Flat	68	1-603903	1	Spacer
25	1-603496	3	Bushing-Idler	69	3219-2	7	Nut-Hex 5/16-24
26	109-2578	1	Kit	70	3220-2	2	Nut-Jam 5/16-24
27	302-40	1	Zerk-90° 1/4-28	71	3256-2	2	Washer-1/4 Std
28	1-603414	1	Spring-Extension	72	323-8	4	Screw-HH 3/8-16 X 1 1/2
29	103-3506	1	Seal-Single Lip	73	116-3515	2	Screw,HH Special 5/16-18 X 1.25
30	302-19	2	Zerk-1/4-28 Str	74	1-805005	4	Washer-Lock 5/16 Heavy
31	1-633102	2	Bearing-Flanged	75	1-809056	2	Screw-Sh 5/16-18 X 1 3/8 ■
32	1-613206	2	Rod, Control Arm	76	3256-24	3	Washer-3/8 Sae
33	1-323245	1	Spring-Compression	77	323-6	8	Screw-HH 3/8-16 X 1
34	1-603676	2	Swivel-Adjustable, Short	79	103-1576	2	Rod, Drive Lever
35	103-3060	1	Knob-Tracking	80	1-803022	2	Setscrew-5/16-18 X 5/8 ■
36	116-1792-01	1	Support, Tank/Handle	81	3272-5	2	Pin-Cotter 3/32 X 1/2
37	103-1561-01	1	Arm, Control LH	83	103-2224	1	Shield, Drag
38	103-1562-01	1	Arm, Control RH ●	84	3256-3	3	Washer-5/16 Std
39	109-2584	1	Belt, Hyd Trans Drive ("a" Belt)	85	3220-16	2	Nut-Jam 3/8-24 LH
40	1-603693	2	Spring	86	3218-2	2	Nut-Jam 5/16-18
41	103-2234-01	1	Crank Weldmt	87	103-5677	1	Spacer
42	1-603737	2	Bolt-Neutral Return	88	106-7159	2	O-Ring
43	103-0265	2	Spring, Neutral Return	89	103-3505	1	Seal-Double Lip
44	1-603735	2	Bushing-Flanged	90	32120-10	2	Ring-Retaining
45	1-303105	2	Yoke-Adjustable	91	103-3504	2	Bearing-Spherical
46	322-3	14	Screw-HH 5/16-18 X 3/4	92	1-633068	1	Arm-Lift, Deck
47	103-2421	2	Tube, Pump Link Spacer	93	98-5975	8	Washer-Spring Disc 3/8
				94	116-2839	2	Nut-Lock

● Not illustrated

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

Park Brake and Engine Assembly



KOHLER OIL DRAIN

Torque to 115-135 in-lb

50:1:1

50:1

Torque To 24-26 ft-lb

Kohler Replacement Parts List (Refer to Engine Owner's Manual)	
Description	Kohler P/N
Air Filter Element Outer	2508301-S
Air Filter Element Inner	2508304-S

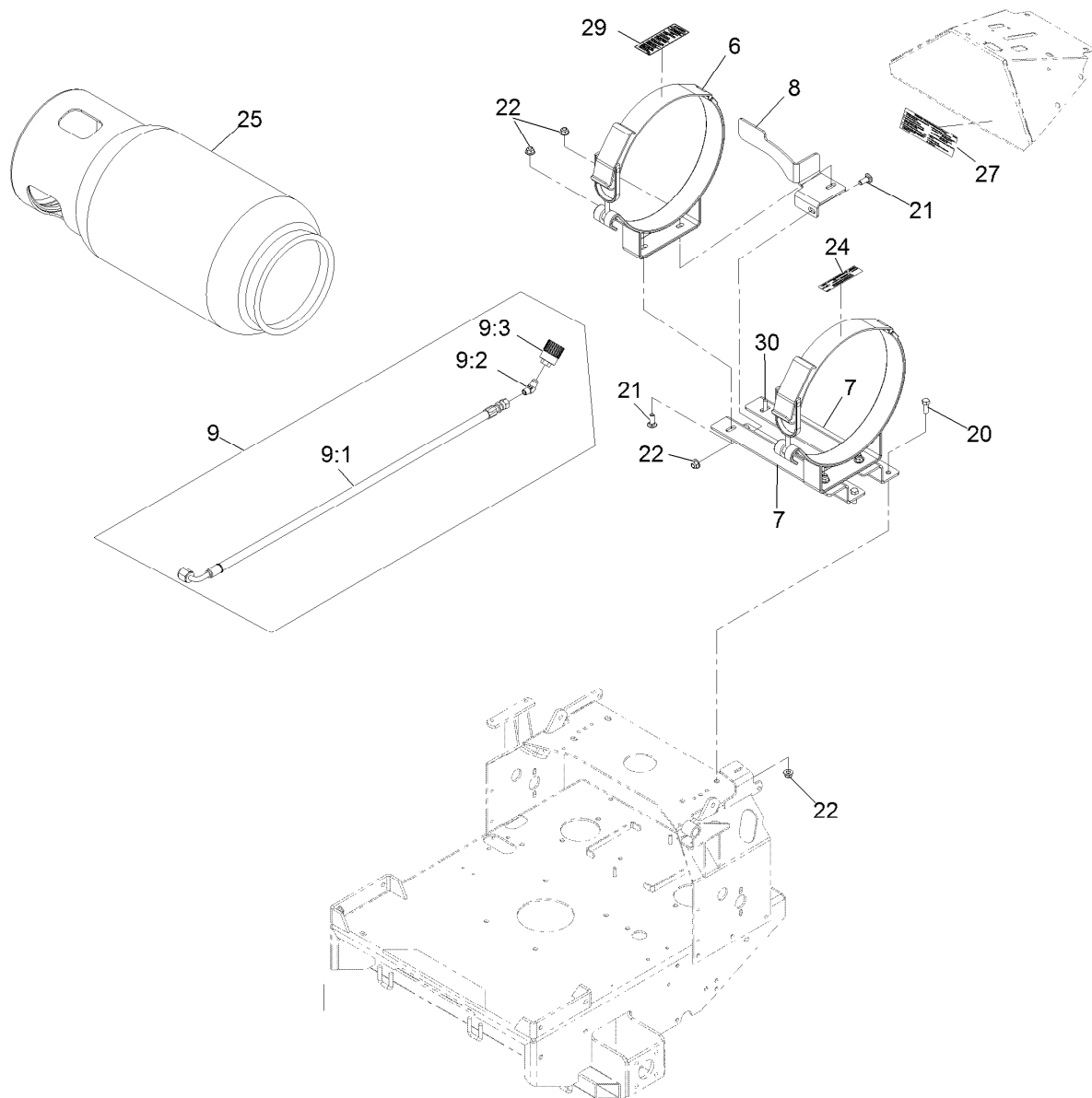
Park Brake and Engine Assembly (continued)

<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>
3	1-303335	2	Tie-Cable 7 15/16 (Large)	30	32128-20	6	Nut-Whizlock 5/16-18
8	1-633630	2	Grommet	31	323-9	1	Screw-HH 3/8-16 X 1 3/4
9	3220-3	1	Nut-Jam 3/8-24	32	3218-3	1	Nut-Jam 3/8-16
10	322-38	1	Screw-HH 5/16-18 X 4 1/2	33	103-2205-03	1	Brake Weldmt
11	322-6	1	Screw-HH 5/16-18 X 1 1/4	34	323-4	3	Screw-HH 3/8-16 X 3/4
12	3212-10	1	Screw-HH 7/16-20 X 2 1/2 ▲	35	1-413344	1	Bushing-Pivot
13	1-603610	2	Washer-Spring Disc 7/16	36	116-8653	1	Muffler
14	1-633545	2	Spacer	40	116-8654	1	Shield-Muffler
15	1-613235	4	Washer	41	116-1103	4	Screw-HH, Thread Forming
16	116-5090	1	Lever, Park Brake (116-1248-03) W/Decal & Grip	42	1-653035	1	Pulley ●
17	1-303020	1	Grip-Lever	43	1-807259	1	Key-Machine 1/4 X 1/4 X 1
18	3256-24	1	Washer-3/8 Sae	44	103-2240	1	Belt, Deck Drive (52")
19	322-10	1	Screw-HH 5/16-18 X 2	45	103-0662	1	Clutch ASM
20	1-413347	2	Sleeve-Bushing	46	1-633543-03	1	Strap-Clutch, Brake
21	3296-39	1	Nut-Nyloc 3/8-16	47	1-323195-03	1	Standoff, Clutch
22	1-806003	1	Hairpin-Cotter	48	1-303287	1	Tie-Cable 5 1/2 (Small)
23	109-4078	1	Linkage, Park Brake	49	32128-20	1	Nut-Whizlock 5/16-18
24	1-808285	1	Pin-Clevis 3/8 X 1 1/8	50	116-5316	1	Oil Drain Hose ASM ■
25	3272-10	1	Pin-Cotter 1/8 X 3/4	50:1	353-508	1	Plug-W/O-Ring
26	1-633131	1	Yoke-Linkage, Brake	50:1:1	237-42	1	O-Ring
27	3290-357	4	Nut-Whizlock 3/8-16	52	323-6	4	Screw-HH 3/8-16 X 1
28	116-3515	1	Screw,HH Special 5/16-18 X 1.25	53	104-8301	4	Nut-Nyloc 3/8-16 Flg
29	1-323161	1	Spring	54	116-8575-03	1	Guard-Air Cleaner
				55	1-643312	1	Clip-Loom
				56	32128-33	2	Nut-Whizlock 1/4-20
				57	321-6	1	Screw-HH 1/4-20 X 1

● Install sheave with long end of hub up.

■ Use a Teflon Pipe Sealant or equivalent on threads.

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



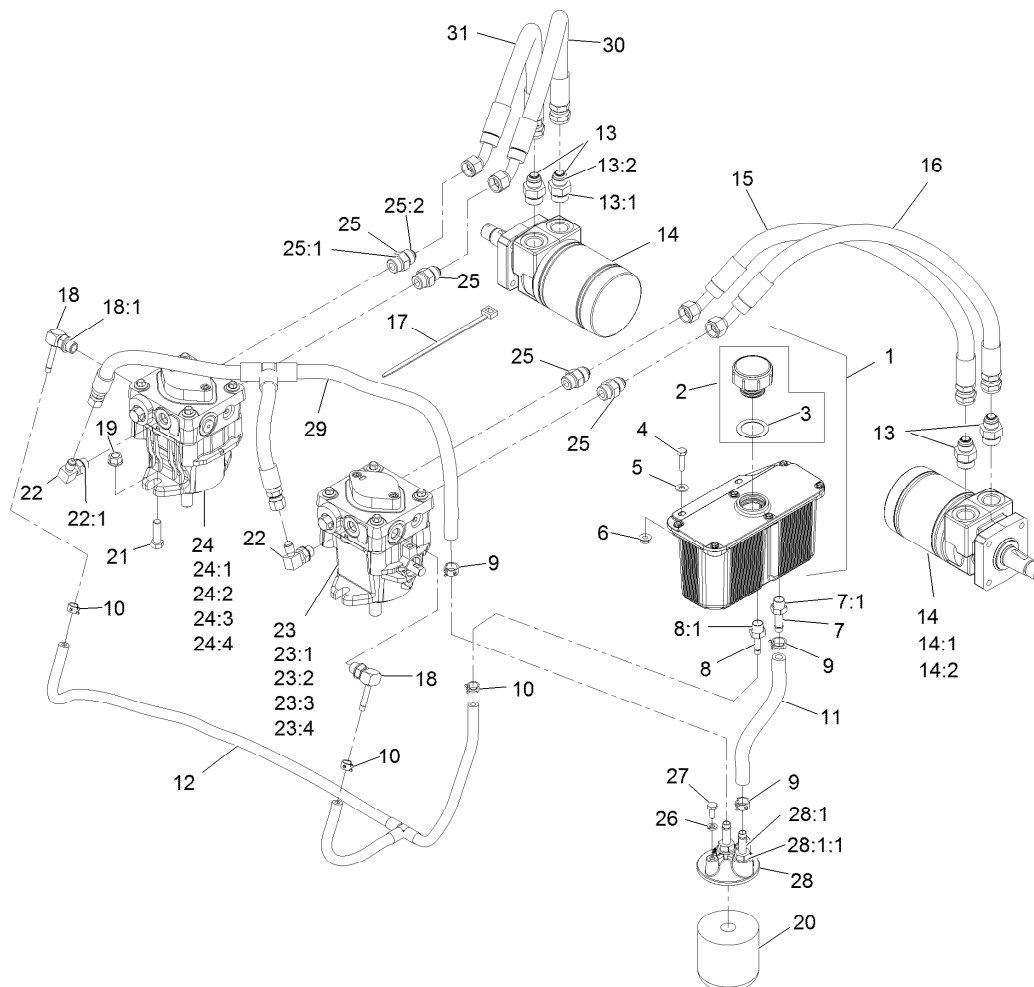
LPG Fuel Assembly

Ref.	Part Number	Qty.	Description
6	116-1074	1	Bracket, LPG Tank-Horizontal (Pair)
7	116-1088-03	2	Riser, LPG Tank
8	116-1089-03	1	Bracket, LPG Tank Index
9		1	Asm, LPG Fuel Hose ■
9:1	116-9312	1	LPG Fuel Hose ASM
9:2	116-1055	1	Elbow-45°
9:3	116-1073	1	Connector-LPG Tank, LH Thread
20	323-6	4	Screw-HH 3/8-16 X 1

Ref.	Part Number	Qty.	Description
21	3231-22	4	Bolt-Carriage 3/8-16 X 1
22	104-8301	9	Nut-Nyloc 3/8-16 Flg
24	109-9849	1	Decal, LPG Tank Spec
25	109-9674	1	Tank, LPG 33Lb
27	109-9906	1	Decal-Tank Replacement
29	109-9875	1	Decal-LPG Warning
30	3231-25	1	Bolt-Carriage 3/8-16 X 1 1/4
99	116-1456	1	O-Ring, LPG Connector ●
99	116-1457	1	Washer, Rubber LPG Connector ●

● Not illustrated

■ Not serviced separately

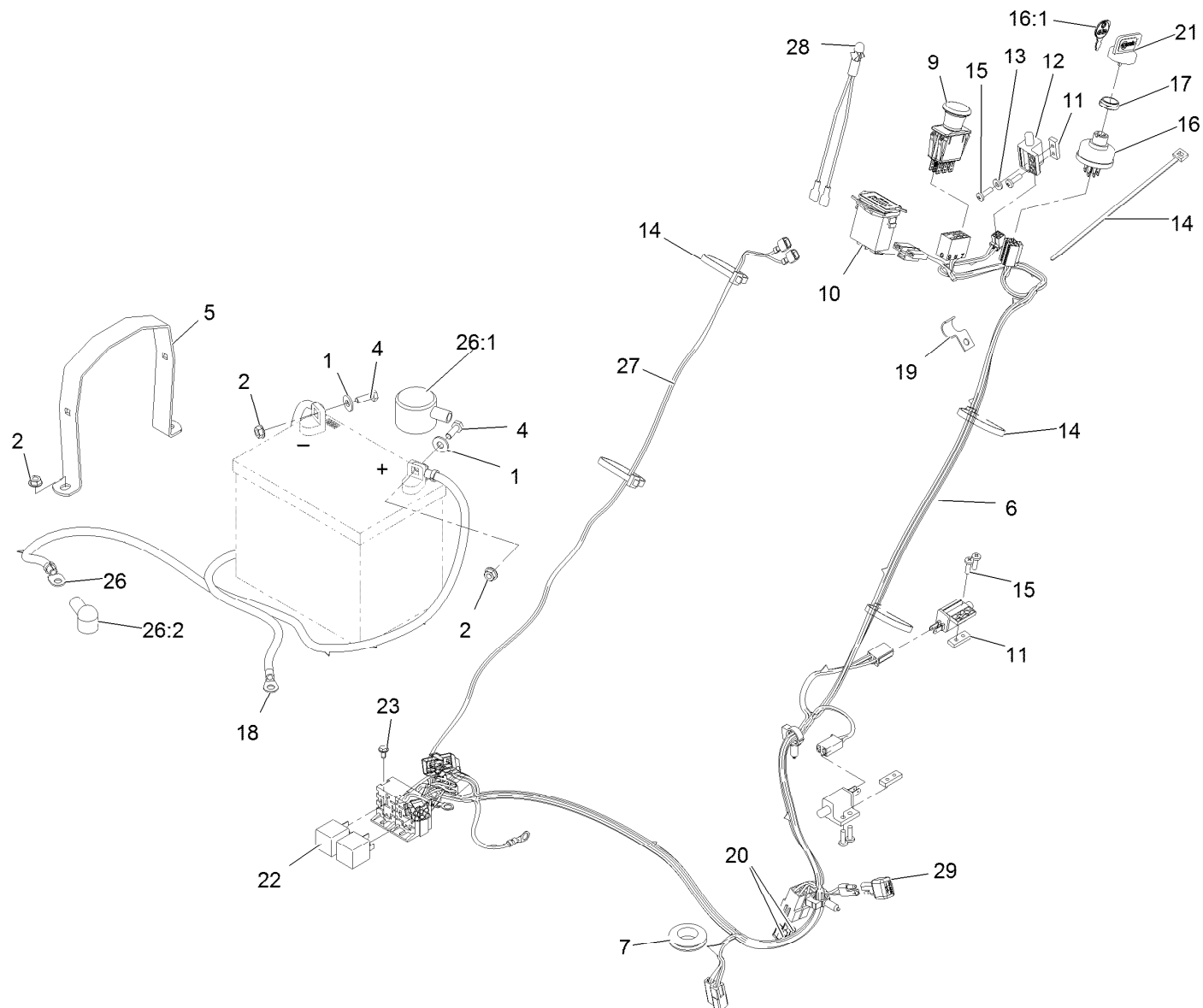


Hydraulic Assembly

Ref.	Part Number	Qty.	Description
1	103-1947	1	HYD Reservoir ASM
2	103-7615	1	Asm, Cap W/Gasket
3	103-1949	1	Gasket-Cap
4	321-6	2	Screw-HH 1/4-20 X 1
5	3256-22	2	Washer-1/4 Sae
6	32128-33	2	Nut-Whizlock 1/4-20
7	103-1912	1	Adapter-Straight
7:1	1-603921	1	O-Ring-Sae #6
8	103-1801	1	Adapter-Straight
8:1	1-603921	1	O-Ring-Sae #6
9	103-1988	3	Clamp-Hose 11/16
10	103-1716	3	Clamp-Hose 17/32
11	109-1010	1	Hose, Hydraulic
12	103-4607	1	Asm, Case Drain Hose
13	1-603991	4	Adapter-Straight
13:1	1-603919	1	O-Ring-Sae #10
13:2	1-603992	1	O-Ring-37 Flare #8
14	1-603718	2	HYD Motor ASM
14:1	1-000119	1	Seal Kit
14:2	1-000138	1	Bearing And Seal Kit
15	116-8646	1	Hose, Hydro
16	116-8647	1	Hose, Hydro
17	1-303335	1	Tie-Cable 7 15/16 (Large)
18	103-1799	2	Elbow-90 DEG
18:1	1-603921	1	O-Ring-Sae #6
19	32128-43	4	Nut-Whizlock 3/8-16

Ref.	Part Number	Qty.	Description
20	109-4180	1	Element, Oil Filter
20	1-523541	1	Element, Oil Filter (Winter) ●
21	323-7	4	Screw-HH 3/8-16 X 1 1/4
22	103-1802	2	Fitting-HYD, 90 DEG
22:1	1-603921	1	O-Ring-Sae #6
23	116-2495	1	Pump, Hydro RH
23:1	103-2664	1	Input Shaft Kit
23:2	94-6922	1	Bearing-Thrust
23:3	103-2666	1	Cylinder Block Kit
23:4	105-6184	1	Seal Overhaul Kit
24	116-2494	1	Pump, Hydro LH
24:1	103-2664	1	Input Shaft Kit
24:2	94-6922	1	Bearing-Thrust
24:3	103-2666	1	Cylinder Block Kit
24:4	105-6184	1	Seal Overhaul Kit
25	1-603990	4	Adapter-Straight
25:1	1-603920	1	O-Ring-Sae #8
25:2	1-603992	1	O-Ring-37 Flare #8
26	1-805004	2	Washer-Lock 1/4 Heavy
27	321-3	2	Screw-HH 1/4-20 X 5/8
28	103-2889	1	Filter Head ASM
28:1	103-1912	2	Adapter-Straight
28:1:1	1-603921	1	O-Ring-Sae #6
29	103-4608	1	Asm, Charge Hose
30	116-9920	1	Hose-Hydro
31	126-0375	1	Hose-Hydro

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

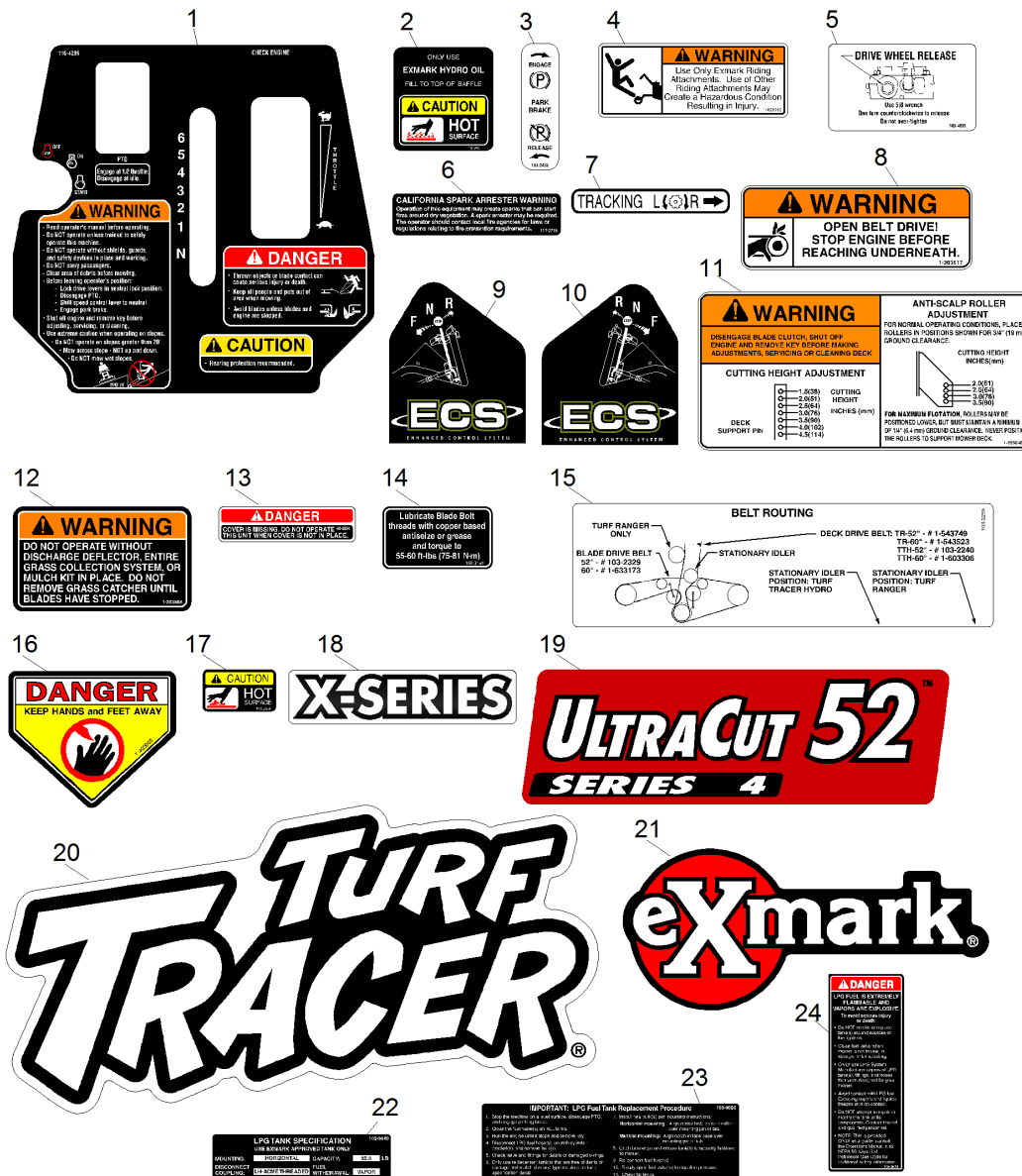


Electrical Assembly

Ref.	Part Number	Qty.	Description
1	3256-2	2	Washer-1/4 Std
2	32128-33	4	Nut-Whizlock 1/4-20
4	321-4	2	Screw-HH 1/4-20 X 3/4
5	1-603814-03	1	Strap, Battery Holddown
6	116-8374	1	Harness, Wiring ●
7	1-543286	1	Grommet
9	103-5221	1	Switch-PTO
10	1-513374	1	Meter-Engine Hours
11	1-633181	3	Plate-Tapped
12	1-513051	3	Switch-N.O.
13	3256-14	1	Washer-#10 Std
14	1-303335	3	Tie-Cable 7 15/16 (Large)
14	1-303335	5	Tie-Cable 7 15/16 (Large)
15	3290-500	6	Screw-PPH #10-24 X 5/8
16	103-0206	1	Switch-Ignition W/Keys

Ref.	Part Number	Qty.	Description
16:1	1-603511	1	Key-Ignition
17	103-0498	1	Nut-Ignition
18	1-543767	1	Wire-Ground
19	103-1193	2	Clip-Loom Half
20	1-816001	2	Fuse-Blade Type, 20 Amp
21	103-2106	1	Key-Exmark Logo
22	1-643275	2	Relay-12Vdc 40 Amp
23	104-2065	2	Screw-HWH #10-24 X 3/8
26	109-7630	1	Positive Battery Cable ASM
26:1	109-2407	1	Insulator-Battery
26:2	1-543393	1	Insulator-Solenoid
27	116-9205	1	Harness-Indicator Light [efi] ●
28	1-643267	1	Indicator-Red Led
29	103-3895	1	Diode-Tvs

● Use dielectric grease on all unsealed connectors and terminals only. Do not apply in sealed connectors.



Decals

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	116-4296	1	Decal, Console Ecs	14	109-3148	1	Decal, Bolt Torque
2	116-0404	1	Decal-Hydraulic Tank	15	103-2239	1	Decal, Belt Routing
3	103-2432	1	Decal, Brake Lever	16	1-403005	2	Decal-Danger
4	1-403143	1	Decal, Sulky Warning	17	103-2076	1	Decal-Caution
5	103-4935	1	Decal, Drive Wheel Release	18	116-3883	2	Decal-X-Series
6	117-2718	1	Decal-Arrester, Spark	19	116-0034	1	Decal,Ultracut 52 Series 4
7	1-413214	1	Decal, Tracking	20	103-3013	1	Decal, Turf Tracer
8	1-303517	1	Decal,Belt Drive	21	103-2882	1	Decal, Exmark Logo
9	103-2242	1	Decal, Ecs Instruction LH	22	109-9849	1	Decal, LPG Tank Spec
10	103-2243	1	Decal, Ecs Instruction RH	23	109-9906	1	Decal-Tank Replacement
11	1-553049	1	Decal, Mower Deck	24	109-9875	1	Decal-LPG Warning
12	1-303508	1	Decal-Warning, Discharge	99	103-5828	1	Kit, Decal Complete •
13	98-5954	3	Decal-Cover, Missing				

● Not illustrated

Notes:

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4-CYCLE PREMIUM ENGINE OIL

Part No. 116-3373

Both SAE 30 and SAE 10W-30 in one bottle.

Contains increased levels of zinc and phosphorus for better lubricity.

No Viscosity Index Improvers that tend to shear down in high heat.

Synthetic formulation.

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Designed specifically for zero-turn mower hydraulic systems.

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DECK LIFT ASSIST KIT	TRASH CONTAINER
HITCH KIT	TURF STRIPER
LIGHT KIT	ULTRA VAC COLLECTION SYSTEM
12V POWER PORT	ULTRA VAC QUICK DISPOSAL SYSTEM
MICRO-MULCH SYSTEM	

OUT-FRONT RIDING ACCESSORIES AND OPTIONS

CUSTOM RIDE SEAT SUSPENSION SYSTEM	SNOW BLADE
DUAL-TAIL WHEEL	SNOWBLOWER
FLOOR PAN EXTENDER	SUN SHADE
HITCH KIT	TRASH CONTAINER
LIGHT KIT	ULTRA VAC COLLECTION SYSTEM
MICRO-MULCH SYSTEM	ULTRA VAC QUICK DISPOSAL SYSTEM
ROLL OVER PROTECTION SYSTEM (ROPS)	WEATHER CAB

WALK-BEHIND ACCESSORIES AND OPTIONS

GRASS CATCHER	TURF STRIPER
MICRO-MULCH SYSTEM	STANDON

*Some accessories and options not available for some models.

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