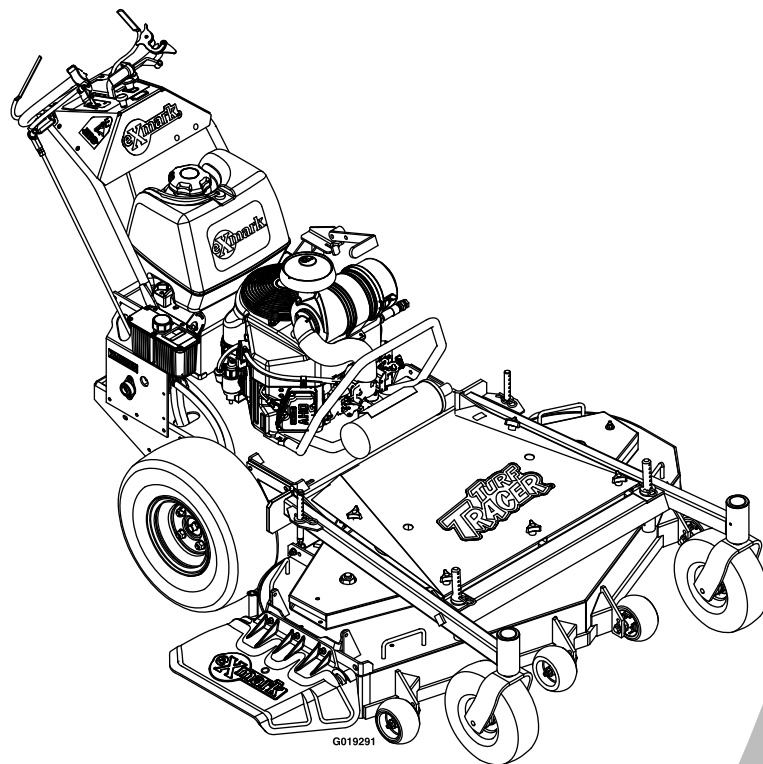




TURF TRACER® X-SERIES

Model No. TTX691KAE604CA—Serial No. 31300000 and Up

Picture below may not reflect actual product.



Parts Manual

Part No. 4501-464 Rev. A

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).

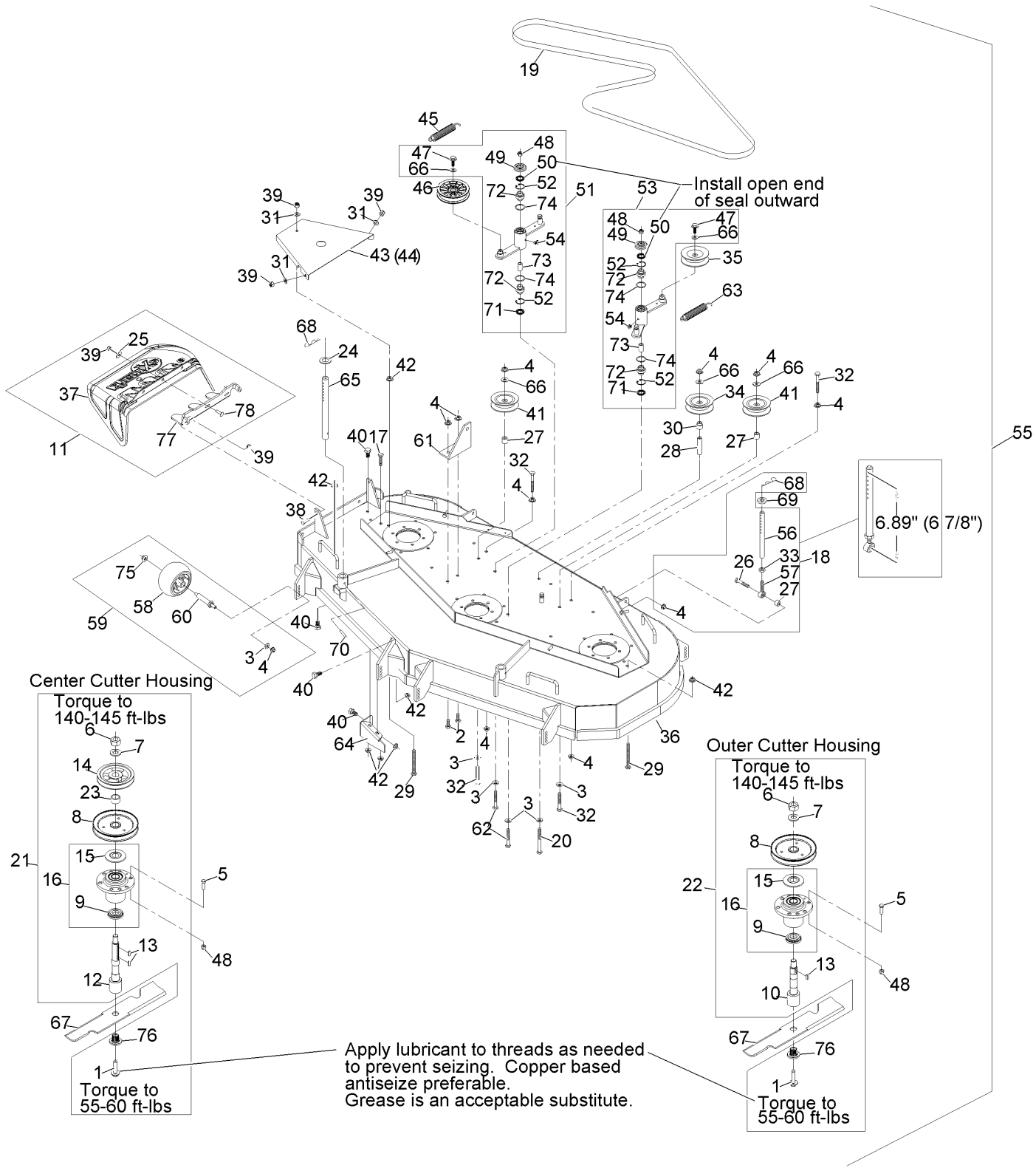


If your Exmark dealer does not have the Exmark part in stock, Exmark will get the parts to the dealer the next business day or the part will be FREE Guaranteed!! (Some restrictions apply. See your participating Exmark Dealer for details.)

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Deck Assembly



Deck Assembly (continued)

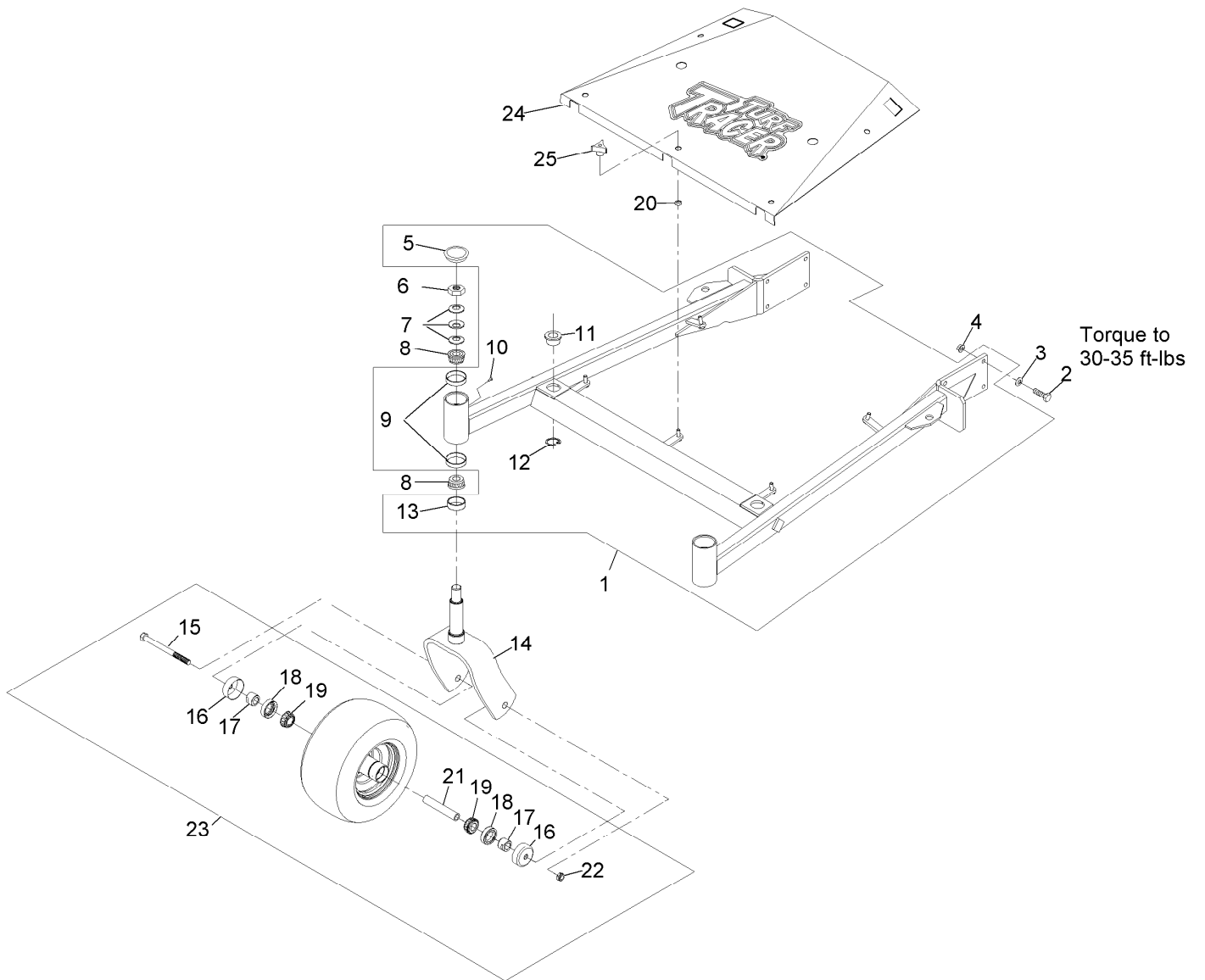
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	109-9220	3	Screw-Sems 1/2-20 X 2.19	41	1-303516	2	Pulley, V-Idler
2	323-6	2	Screw-HH 3/8-16 X 1	42	32128-20	8	Nut-Whizlock 5/16-18
3	98-5975	11	Washer-Spring Disc 3/8	43	103-2967-01	1	Shield, Belt RH
4	3290-357	17	Nut-Whizlock 3/8-16	44	103-2968-01	1	Shield, Belt LH
5	323-8	18	Screw-HH 3/8-16 X 1 1/2	45	1-603413	1	Spring-Extension
6	3217-46	3	Nut-Hex 3/4-16 Heavy	46	109-4077	1	Pulley-Idler, Flat
7	103-2802	3	Washer-Spring Disc 3/4	47	3234-11	2	Screw-HH Flg 3/8-16 X 1
8	103-2794	3	Sheave, Blade Drive ▲	48	3296-39	20	Nut-Nyloc 3/8-16
9	103-2535	3	Spacer-Guard Bottom	49	103-2916	2	Guard-Top
10	103-9086	2	Kit-Splined Spindle ▲	50	103-3506	2	Seal-Single Lip
11	109-4722	1	Asm, Discharge Chute	51	103-8072	1	Kit, Idler Arm W/Bearings ●
12	103-9087	1	Kit, Center Blade Spindle (Long) ▲	52	32120-10	4	Ring-Retaining
13	103-2982	4	Key-Machine 1/4 X 3/16 X 3/4	53	103-8071	1	Kit, Idler Arm W/Bearings ●
14	103-2791	1	Sheave, Mower Drive ▲	54	302-40	2	Zerk-90° 1/4-28
15	103-1330	3	Guard-Bearing Top ▲	55	116-5950	1	Complete Deck Assy
16	103-8280	3	Asm, Cutter Housing W/Bearings ▲	56	1-413525	2	Link, Rear Deck Support
17	322-3	1	Screw-HH 5/16-18 X 3/4	57	1-613204	2	Balljoint
18	1-411532	2	Kit, Support Link W/Pin	58	1-603299	6	Roller-Scalp, Anti
19	1-633173	1	Belt, Blade Drive	59	103-4051	6	Kit, Antiscalp Roller (44" And 48")
20	323-23	1	Screw-HH 3/8-16 X 4-1/2	60	99-2842	6	Spacer
21	103-9083	1	Housing, Cutter Complete (Center)	61	1-603620-01	1	Bracket, Spring Anchor
22	103-9076	2	Asm, Cutter Housing Complete	62	98-5961	2	Screw-HH 3/8-16 X 4 Gr8
23	103-3209	1	Spacer, Tube	63	1-603414	1	Spring-Extension
24	1-413425	2	Spacer	64	116-2072-01	1	Baffle
25	3256-82	3	Washer	65	1-603001	2	Rod, Deck Support
26	323-9	2	Screw-HH 3/8-16 X 1 3/4	66	3256-24	5	Washer-3/8 Sae
27	1-603050	4	Spacer	67	103-6403	3	Blade, Notched
28	1-633988	1	Spacer-Anchor, Clutch	67	103-6383	3	Blade, Solid
29	1-800017	2	Bolt-HH 5/16-18 X 3 1/4 Tap	67	103-6388	3	Blade, Low Lift
30	1-513791	1	Bushing	67	103-6393	3	Blade, Mulching ■
31	3256-3	6	Washer-5/16 Std	67	103-6398	3	Blade, Extreme
32	323-12	4	Screw-HH 3/8-16 X 2 1/2	68	1-806009	4	Hairpin-Cotter #206
33	3220-3	2	Nut-Jam 3/8-24	69	1-323539	2	Spacer-Blade Drive
34	1-603805	1	Pulley-Idler	70	1-806332	2	Rollpin 1/4 X 1 1/2
35	1-613098	1	Pulley-Idler	71	103-3505	2	Seal, Double, Lip
36	116-5952	1	Deck, (116-5863-01) W/ Decals	72	103-3504	4	Bearing-Spherical
37	109-2738	1	Chute, Discharge	73	1-413088	2	Spacer
38	322-5	2	Screw-HH 5/16-18 X 1	74	106-7159	4	O-Ring
39	3296-29	8	Nut-Nyloc 5/16-18	75	109-6658	6	Nut-Nyloc 3/8-16 Flg
40	322-2	5	Screw-HH 5/16-18 X 5/8	76	103-3037	3	Bushing, Splined
				77	109-4573-01	1	Bracket, Discharge Chute
				78	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

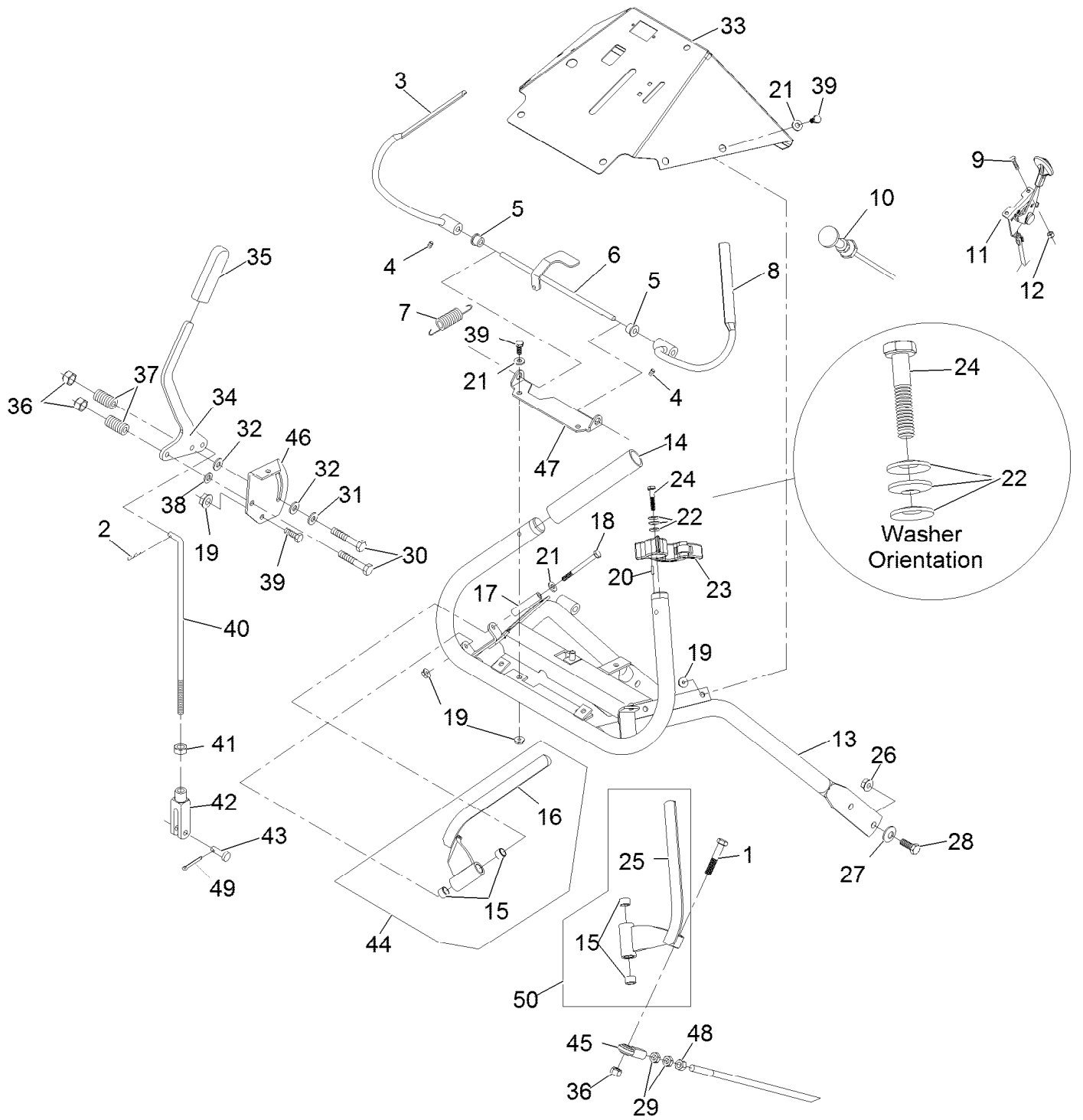


Deck Support Assembly (continued)

<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	103-1896	1	Support, Deck (103-4960-01) (60")	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 & Tire With Axle
11	1-513336	2	Bushing-Deck	24	116-2709	1	Shield, Belt (103-2273-01) W/Decal (60")
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)

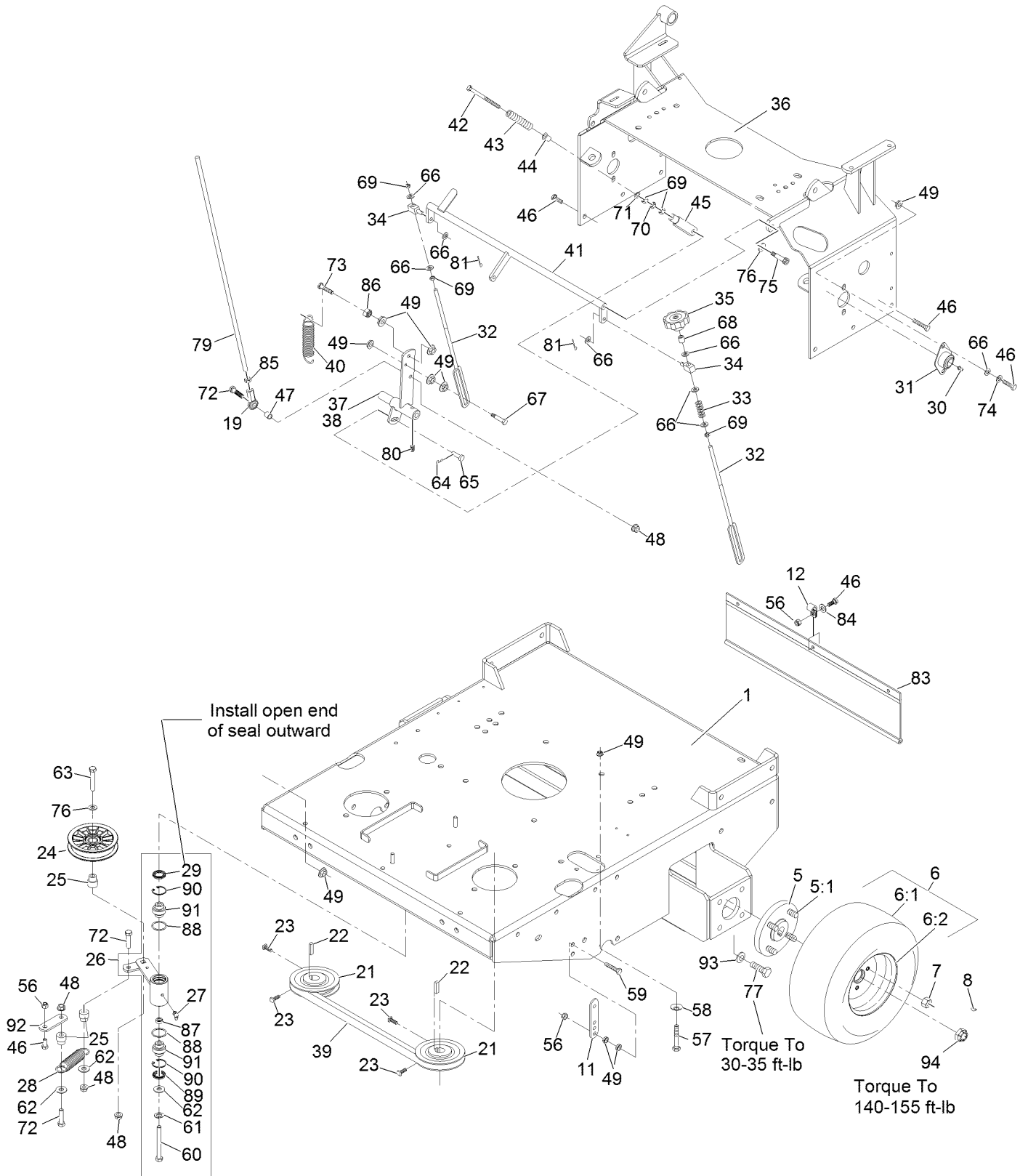
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	322-9	2	Screw-HH 5/16-18 X 1 3/4	26	3290-357	4	Nut-Whizlock 3/8-16
2	1-806003	1	Hairpin-Cotter	27	98-5975	4	Washer-Spring Disc 3/8
3	116-4079	1	Wld, Lever, Opc (LH) ▲	28	323-6	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	109-4508	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
10	110-5720	1	Control-Choke, Push / Pull	35	103-5994	1	Grip, Steering Handle
11	116-2426	1	Cable, Throttle	36	3296-29	4	Nut-Nyloc 5/16-18
12	3296-2	2	Nut-Nyloc #10-24	37	1-323245	2	Spring-Compression
13	103-1537-03	1	Handle Wld, Upper Ecs	38	3256-23	1	Washer-5/16 Sae
14	103-0815	2	Grip-Bar, Handle	39	321-3	10	Screw-HH 1/4-20 X 5/8
15	1-413152	4	Bushing-Sleeve	40	1-413225	1	Rod, Speed Control
16	116-4081	1	Lever, Drive LH	41	3220-2	1	Nut-Jam 5/16-24
17	103-0027	2	Bushing-Lever, Drive	42	1-303105	1	Yoke-Adjustable
18	321-14	2	Screw-HH 1/4-20 X 2 3/4	43	1-808280	1	Pin-Clevis 5/16 X 1 49/64
19	32128-33	12	Nut-Whizlock 1/4-20	44	103-2514	1	Asm, Drive Lever LH
20	103-0464	2	Pin-Spring 1/8 X 1/2	45	103-2463	2	Balljoint
21	3256-22	10	Washer-1/4 Sae	46	103-0503	1	Bracket, Shifter Slide
22	1-303435	6	Washer-Spring Disc 1/4	47	103-0489-03	1	Bracket, Opc Axle
23	103-1371	1	Thumb Latch Asm RH	48	3219-3	2	Nut-Hex 3/8-24
23	103-1372	1	Thumb Latch Asm LH ●	49	3272-5	1	Pin-Cotter 3/32 X 1/2
24	103-0235	2	Screw-HH 1/4-20 X 1 1/8 W/Nylon ■	50	103-2513	1	Asm, Drive Lever RH
25	116-4082	1	Lever, Drive 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



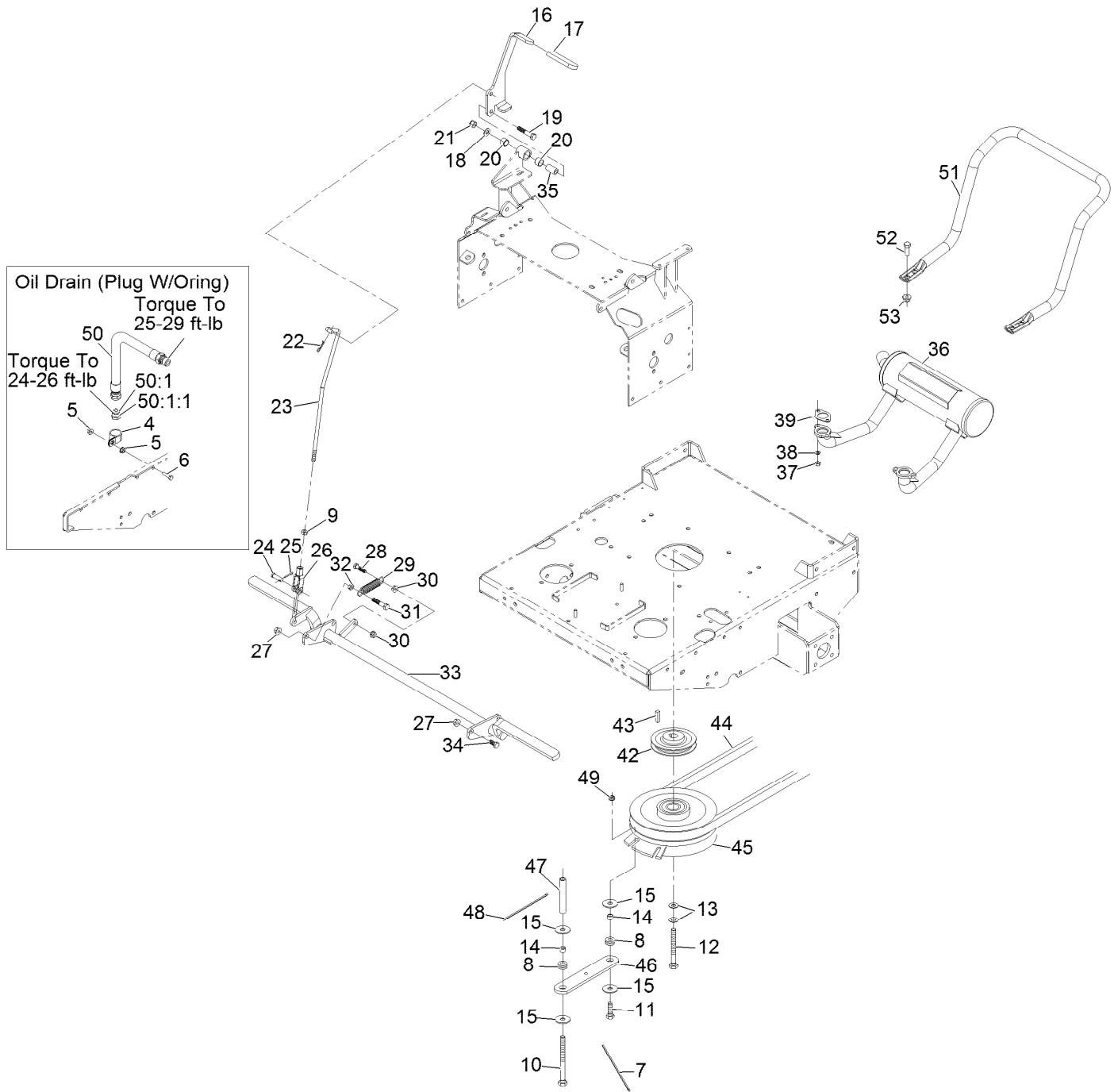
Engine Deck Assembly (continued)

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

● Not illustrated

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

Park Brake and Engine Assembly



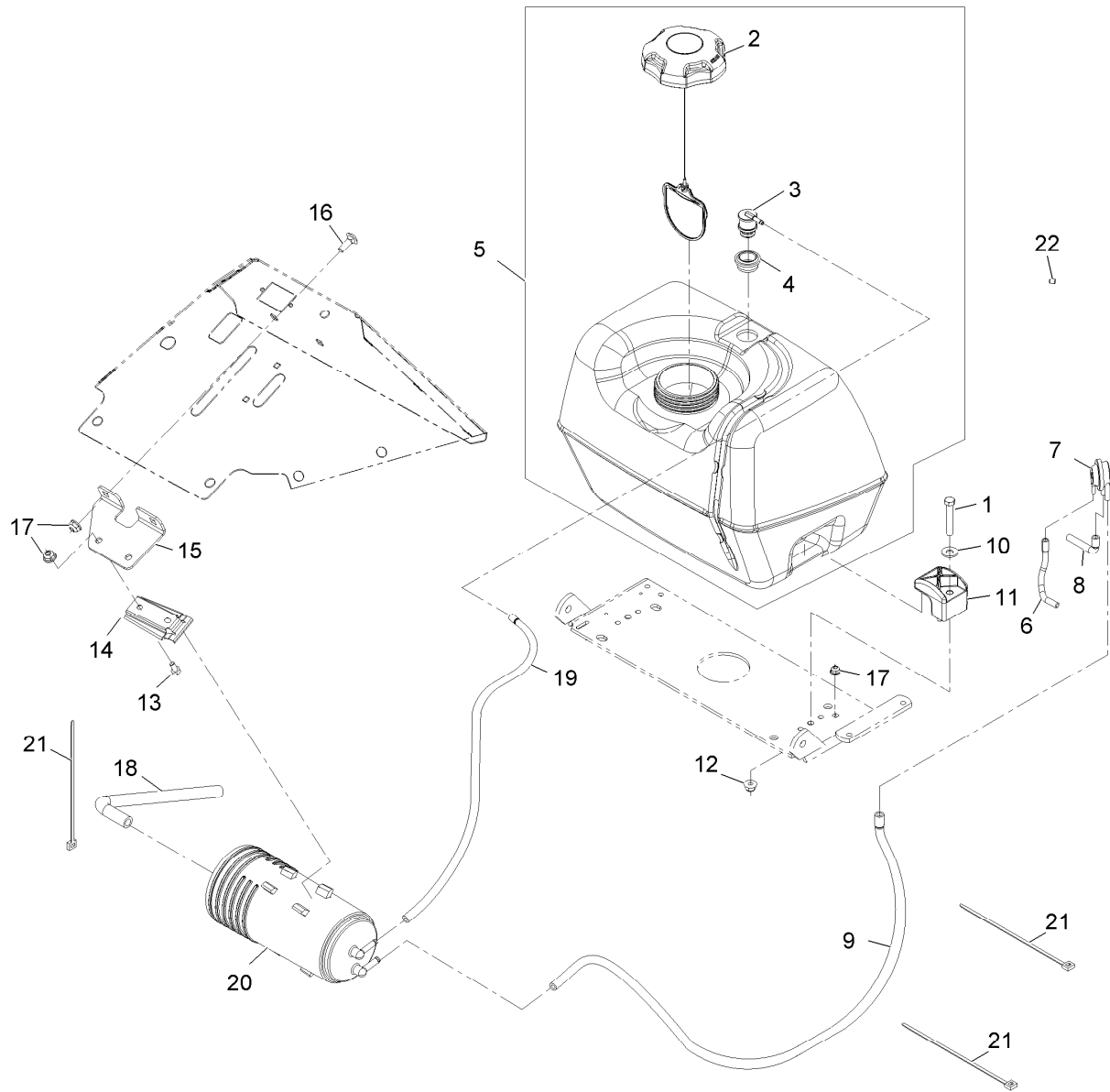
Park Brake and Engine Assembly (continued)

<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>
4	1-643312	1	Clip-Loom	29	1-323161	1	Spring
5	32128-33	2	Nut-Whizlock 1/4-20	30	32128-20	6	Nut-Whizlock 5/16-18
6	321-6	1	Screw-HH 1/4-20 X 1	31	323-9	1	Screw-HH 3/8-16 X 1 3/4
7	1-303335	1	Tie-Cable 7 15/16 (Large)	32	3218-3	1	Nut-Jam 3/8-16
8	1-633630	2	Grommet	33	103-2205-03	1	Brake Weldmt
9	3220-3	1	Nut-Jam 3/8-24	34	323-4	3	Screw-HH 3/8-16 X 3/4
10	322-38	1	Screw-HH	35	1-413344	1	Bushing-Pivot
11	322-6	1	Screw-HH 5/16-18 X 1 1/4	36	116-3736	1	Muffler
12	3212-12	1	Screw-HH 7/16-20 X 3 ▲	37	114-3549	2	Nut-M8
13	1-603610	2	Washer-Spring Disc 7/16	38	114-3550	2	Washer-Lock, Spring
14	1-633545	2	Spacer	39	1-653313	2	Gasket-Exhaust
15	1-613235	4	Washer	42	1-653035	1	Pulley ●
16	109-4544	1	Lever, Park Brake (109-4543-03) W/Decal And Grip	43	1-807259	1	Key-Machine 1/4 X 1/4 X 1
17	1-303020	1	Grip-Lever	44	1-603306	1	Belt, Deck Drive (60")
18	3256-24	1	Washer-3/8 Sae	45	103-0662	1	Clutch ASM
19	322-10	1	Screw-HH 5/16-18 X 2	46	1-633543-03	1	Strap-Clutch, Brake
20	1-413347	2	Sleeve-Bushing	47	1-323195-03	1	Standoff, Clutch
21	3296-39	1	Nut-Nyloc 3/8-16	48	1-303287	1	Tie-Cable 5 1/2 (Small)
22	1-806003	1	Hairpin-Cotter	49	32128-20	1	Nut-Whizlock 5/16-18
23	109-4078	1	Linkage, Park Brake	50	116-4924	1	Asm-Hose Oil Drain W/Plug ■
24	1-808285	1	Pin-Clevis 3/8 X 1 1/8	50:1	353-508	1	Plug-W/O-Ring
25	3272-10	1	Pin-Cotter 1/8 X 3/4	50:1:1	237-42	1	O-Ring
26	1-633131	1	Yoke-Linkage, Brake	51	116-6278-03	1	Guard-Muffler
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

● Install sheave with long end of hub up.

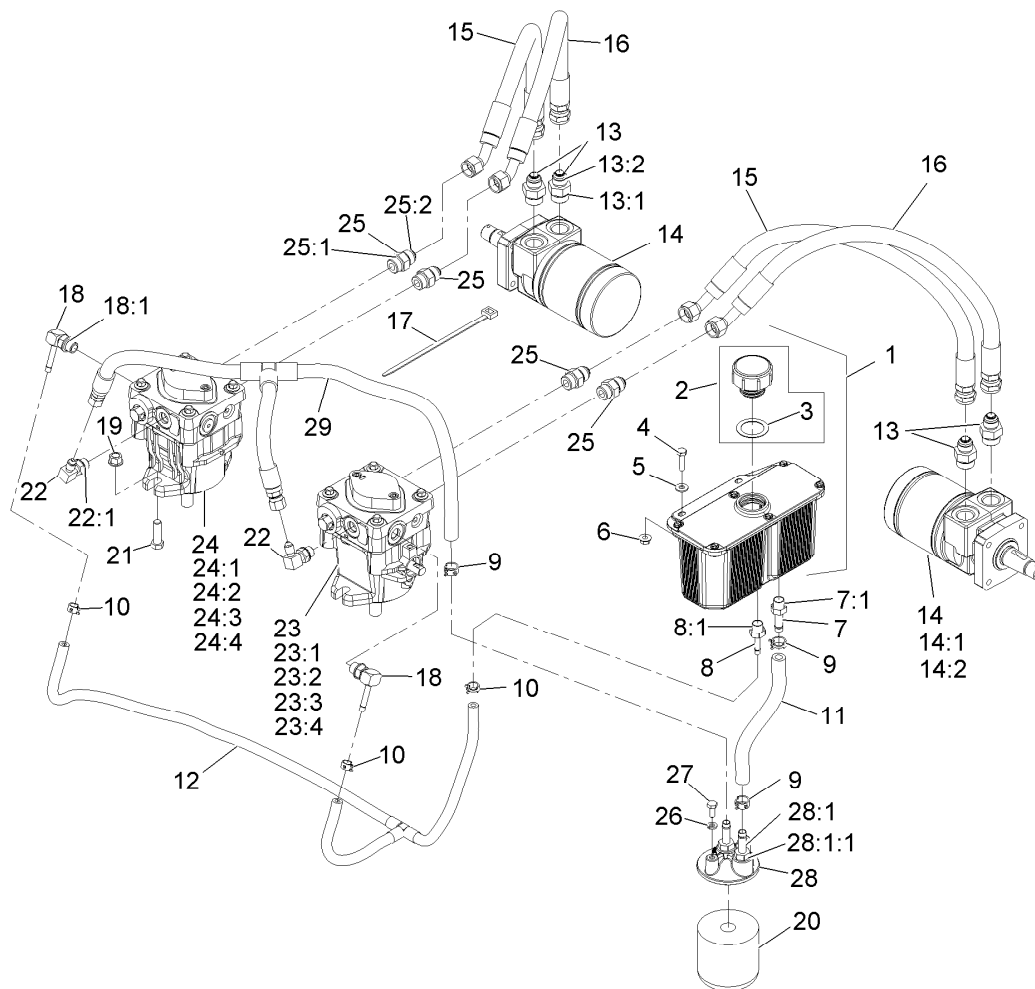
■ Use a Teflon Pipe Sealant or equivalent on threads.

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



Fuel Tank Assembly

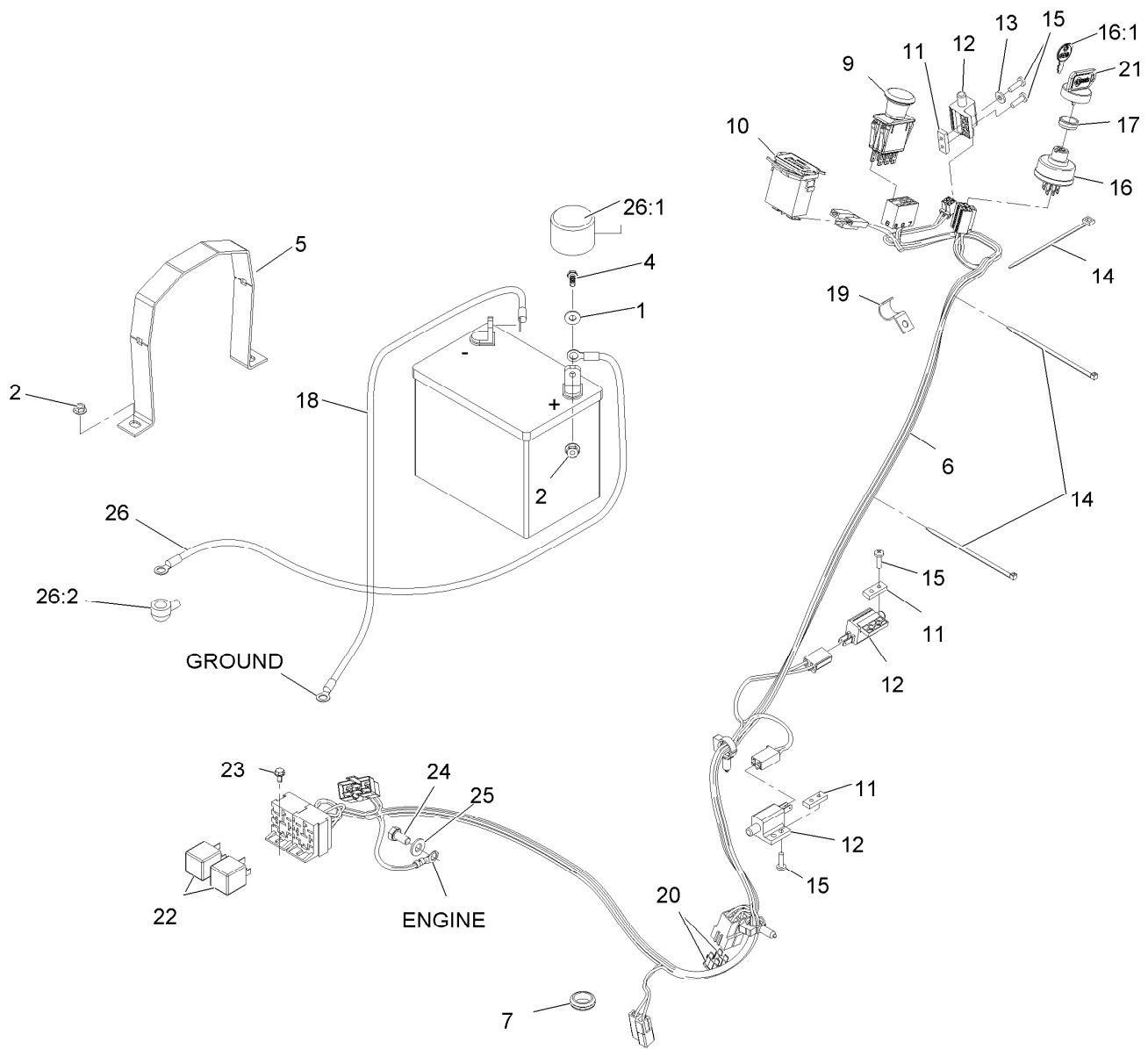
Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	322-10	2	Screw-HH 5/16-18 X 2	12	104-8300	2	Nut-Nyloc 5/16-18 Flg
2	115-4465	1	Cap-Fuel, Ratcheting	13	321-2	2	Screw-HH 1/4-20 X 1/2
3	114-0285	1	Valve-Rollover	14	114-0292	1	Bracket-Canister, Carbon
4	119-6549	1	Grommet-Valve, Roll-Over	15	115-4486-01	1	Bracket-Canister, Carbon
5	116-3656	1	ASM, Fuel Tank	16	3229-1	2	Bolt-Carriage 1/4-20 X 3/4
6	116-2394	1	Hose-Vent, Formed	17	104-7201	4	Nut-Nyloc 1/4-20 Flg
7	116-2232	1	Valve-Control, Vacuum	18	115-0962	1	Hose-Vent, Canister
8	116-2233	1	Hose-Vent, Formed	19	114-0286	1	Hose-Vent
9	116-3116	1	Hose	20	117-1221	1	Canister-Carbon, 800Cc
10	3256-3	2	Washer-5/16 Std	21	1-303287	3	Tie-Cable 5 1/2 (Small)
11	107-4543	2	Clamp	22	116-4464	1	Plug-Port



Hydraulics Assembly

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	103-1947	1	HYD Reservoir ASM	20	109-4180	1	Filter,25 Micron Bi-Directional
2	103-7615	1	Asm, Cap W/Gasket	20	1-523541	1	Element, Oil Filter(Winter)●
3	103-1949	1	Gasket-Cap	21	323-7	4	Screw-HH 3/8-16 X 1 1/4
4	321-6	2	Screw-HH 1/4-20 X 1	22	103-1802	2	Fitting-HYD, 90 DEG
5	3256-22	2	Washer-1/4 Sae	22:1	1-603921	1	O-Ring-Sae #6
6	32128-33	2	Nut-Whizlock 1/4-20	23	116-2495	1	Pump, Hydro RH
7	103-1912	1	Adapter-Straight	23:1	103-2664	1	Input Shaft Kit
7:1	1-603921	1	O-Ring-Sae #6	23:2	94-6922	1	Bearing-Thrust
8	103-1801	1	Adapter-Straight	23:3	103-2666	1	Cylinder Block Kit
8:1	1-603921	1	O-Ring-Sae #6	23:4	105-6184	1	Seal Overhaul Kit
9	103-1988	3	Clamp-Hose 11/16	24	116-2494	1	Pump, Hydro LH
10	103-1716	3	Clamp-Hose 17/32	24:1	103-2664	1	Input Shaft Kit
11	109-1010	1	Hose, Charge	24:2	94-6922	1	Bearing-Thrust
12	103-4607	1	Asm, Case Drain Hose	24:3	103-2666	1	Cylinder Block Kit
13	1-603991	4	Adapter-Straight	24:4	105-6184	1	Seal Overhaul Kit
13:1	1-603919	1	O-Ring-Sae #10	25	1-603990	4	Adapter-Straight
13:2	1-603992	1	O-Ring-37 Flare #8	25:1	1-603920	1	O-Ring-Sae #8
14	1-603718	2	HYD Motor ASM	25:2	1-603992	1	O-Ring-37 Flare #8
14:1	1-000119	1	Seal Kit	26	1-805004	2	Washer-Lock 1/4 Heavy
14:2	1-000138	1	Bearing And Seal Kit	27	321-3	2	Screw-HH 1/4-20 X 5/8
15	116-8646	2	Hose, Hydro	28	103-2889	1	Filter Head ASM
16	116-8647	2	Hose, Hydro	28:1	103-1912	2	Adapter-Straight
17	1-303335	1	Tie-Cable 7 15/16 (Large)	28:1:1	1-603921	1	O-Ring-Sae #6
18	103-1799	2	Elbow-90 DEG	29	103-4608	1	Asm, Charge Hose
18:1	1-603921	1	O-Ring-Sae #6				
19	32128-43	4	Nut-Whizlock 3/8-16				

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



Electrical Assembly

<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	3256-2	2	Washer-Flat	16:1	1-603511	1	Keys,Ignition
2	32128-33	4	Nut-HF	17	103-0498	1	Nut-Switch, Ignition
4	321-4	2	Screw-HH	18	1-543767	1	Wire-Ground
5	1-603814-03	1	Strap, Battery Holddown	19	103-1193	2	Clip-Half, Loom
6	116-8374	1	Harness, Wiring	20	1-816001	2	Fuse-Blade Type, 20 Amp
7	1-543286	1	Grommet	21	103-2106	1	Key,Exmark Logo
9	103-5221	1	Switch-PTO	22	1-643275	2	Relay
10	1-513374	1	Meter-Hour	23	104-2065	2	Screw-HWH
11	1-633181	3	Plate-Tapped	24	33114-016	1	Screw-HH
12	1-513051	3	Switch-Open, Normally	25	33094-00	1	Washer-Plain
13	3256-14	1	Washer-Flat	26	109-7630	1	Positive Battery Cable ASM
14	1-303335	3	Tie-Plastic	26:1	109-2407	1	Insulator-Battery
15	3290-500	6	Screw-PPH	26:2	1-543393	1	Insulator-Solenoid
16	103-0206	1	Switch-Starting, Key				



Decals

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	103-1541	1	Decal, Console Ecs	12	1-303508	1	Decal-Warning, Discharge
2	116-0404	1	Decal-Hydraulic Tank	13	98-5954	3	Decal-Cover, Missing
3	103-2432	1	Decal, Brake Lever	14	109-3148	1	Decal, Bolt Torque
4	1-403143	1	Decal, Sully Warning	15	103-2239	1	Decal, Belt Routing
5	103-4935	1	Decal, Drive Wheel Release	16	1-403005	2	Decal-Danger
6	117-2718	1	Decal-Arrester, Spark	17	103-2076	2	Decal-Caution
7	1-413214	1	Decal, Tracking	18	116-3883	2	Decal-X-Series
8	1-303517	1	Decal, Belt Drive	19	116-0025	1	Decal, UltraCut 60 Series 4
9	103-2242	1	Decal, Ecs Instruction LH	20	103-3013	1	Decal, Turf Tracer
10	103-2243	1	Decal, Ecs Instruction RH	21	103-2882	1	Decal, Exmark Logo
11	1-553049	1	Decal, Mower Deck	99	103-5828	1	Kit, Decal Complete •

• Not illustrated

Notes:

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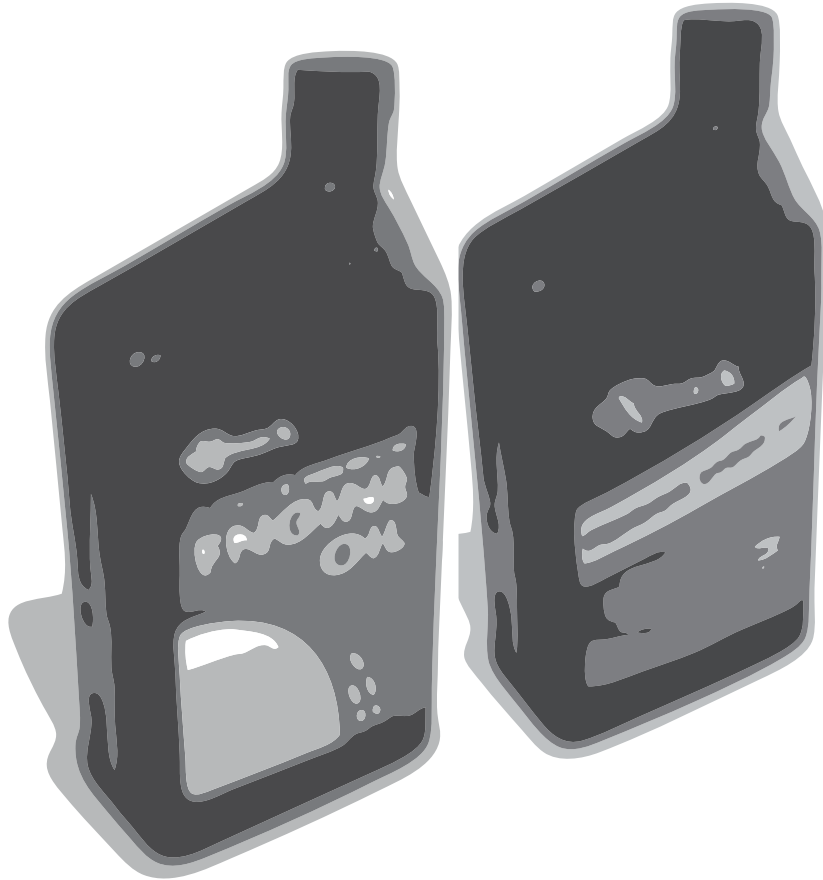
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Designed specifically for zero-turn mower hydraulic systems.

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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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