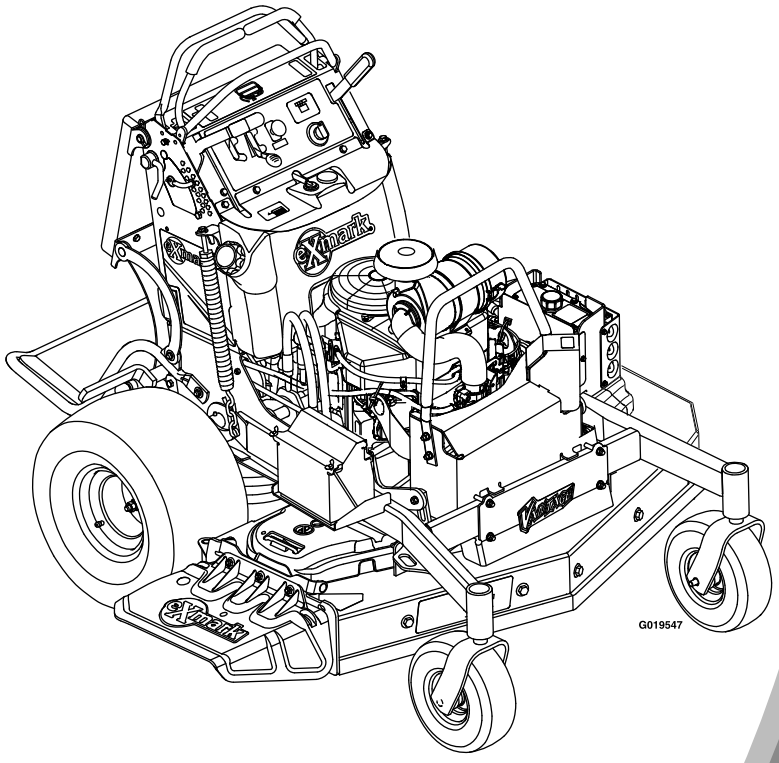
VANTAGE® S-SERIES

Model No. VTS691KA524CA—Serial No. 313000000 and Up

Picture below may not reflect actual product.



Parts Manual

Part No. 4501-448 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

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: Liquefied Petroleum Gas

LPG: Liquefied Petroleum Gas

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).

© 2013—Exmark Mfg. Co., Inc.
Industrial Park Box 808
Beatrice, NE 68310

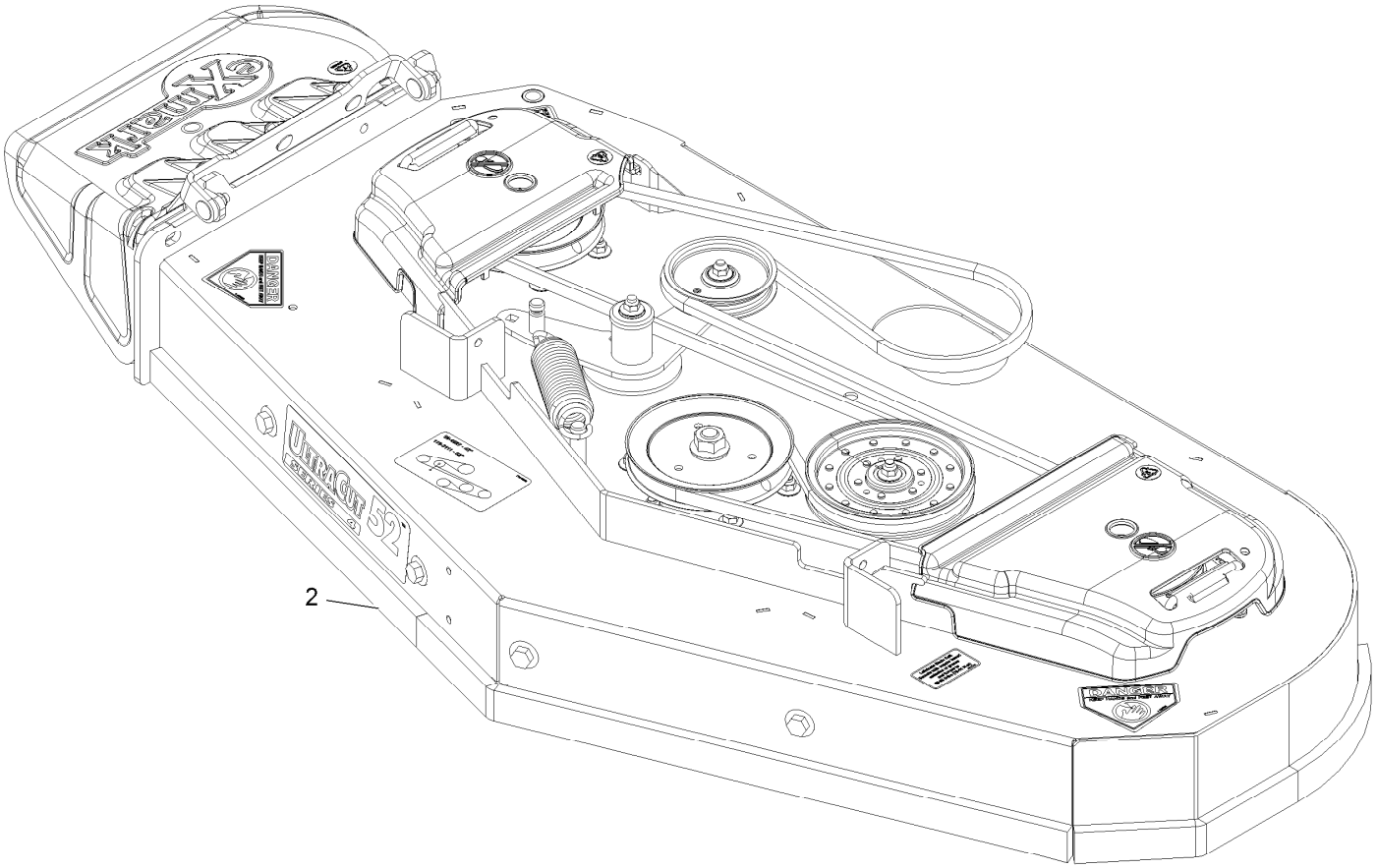
Contact us at www.Exmark.com.
Printed in the USA.
All Rights Reserved



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.)

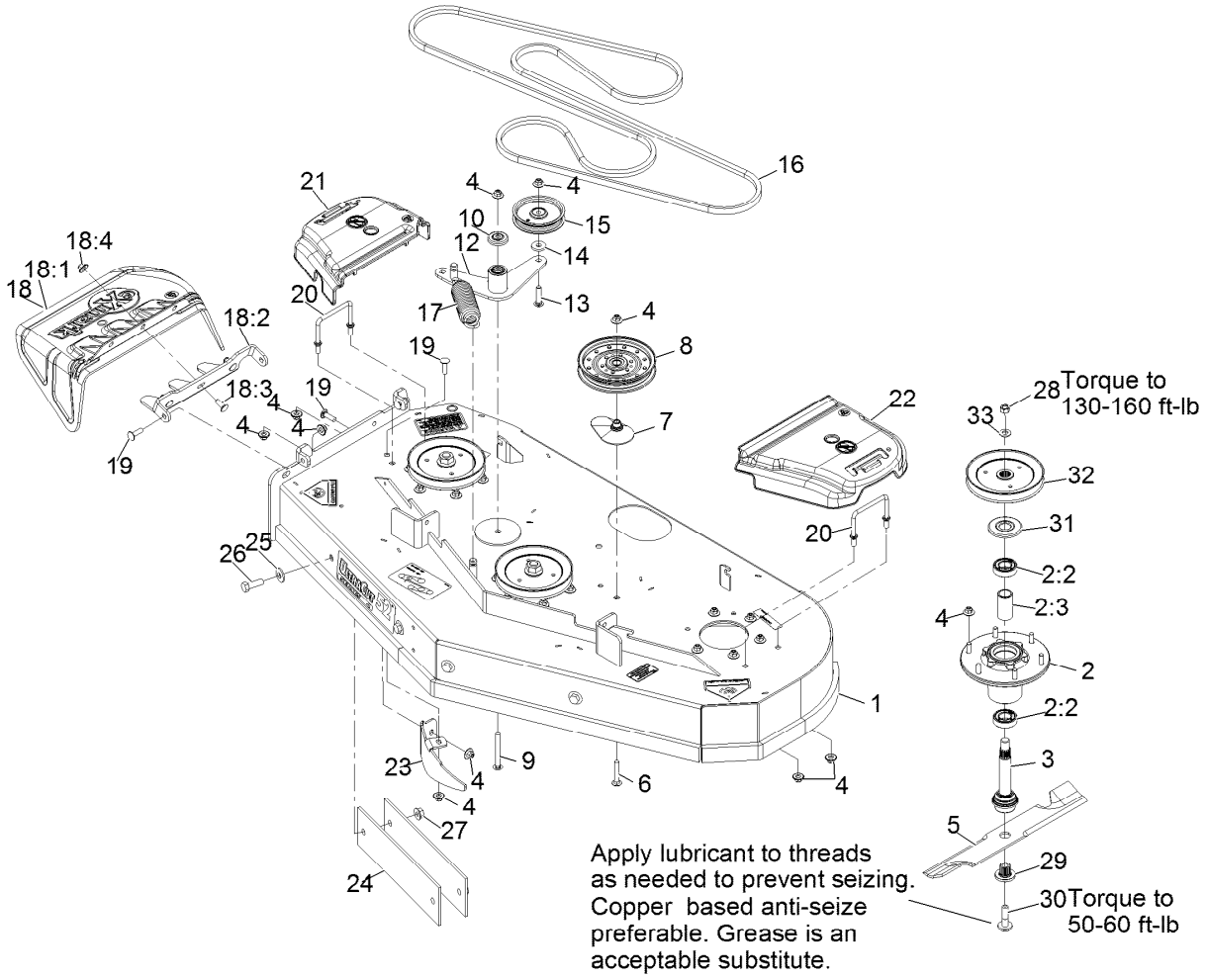
Contents

Complete Deck Assembly 4
Deck Assembly 5
Deck W/Decals Assembly No. 116-4001 6
Idler Arm Assembly No. 116-3806 7
Main Frame Assembly 8
Control Tower With Decals Assembly No. 116-5013 9
Wheel and Bearing Assembly No. 112-3810 10
Park Brake Assembly 11
Deck Lift Assembly 12
Platform Group 14
Cushion Assembly No. 116-1803 15
Platform Assembly No. 116-1804 16
Ground Drive Assembly 17
Wheel Motor Assembly No. 116-4851 19
Pump Idler Assembly No. 117-7685 20
Control Assembly 21
LH Tracking Control Linkage Assembly No. 116-4936 23
RH Tracking Control Linkage Assembly No. 116-4937 24
Engine Assembly 25
Fuel Tank Mounting Assembly 26
Fuel Tank Assembly No. 116-4577 27
Electrical Assembly 28



Complete Deck Assembly

Ref.	*Part Number*	*Qty.*	*Description*
2	116-5012	1	ASM-Deck Complete 524

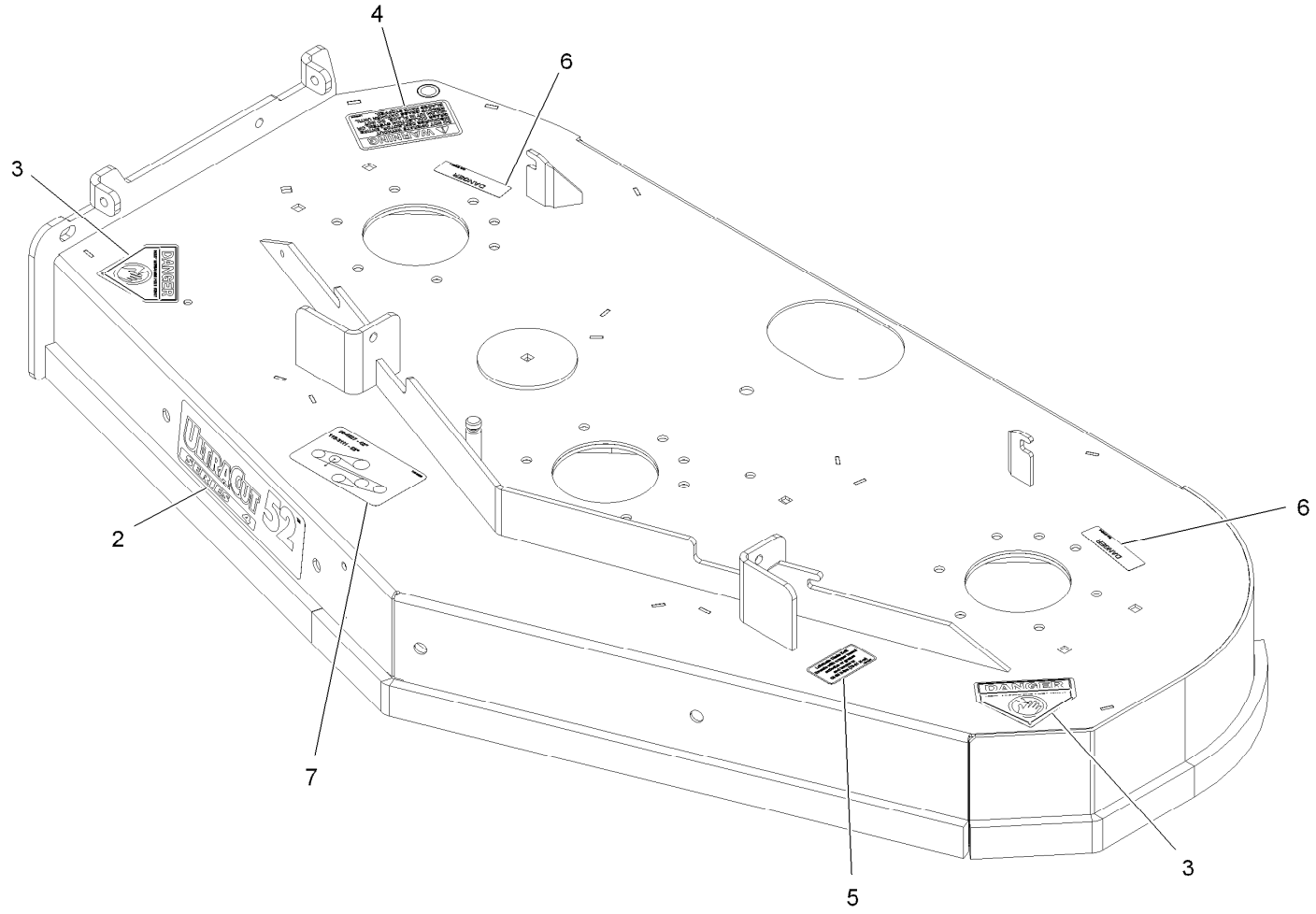


Deck Assembly

Ref.	Part Number	Qty.	Description
1	116-4001	1	Deck ASM-524
2	116-3344	3	ASM-Cutter Hsg With Bearings
2:2	116-0720	2	Bearing-Ball
2:3	116-3312	1	Spacer-Bearing
3	116-3341	3	ASM-Spindle And Seal ■
4	109-6658	29	Nut-Nyloc 3/8-16 Flg
5	103-6387	3	Blade, Low Lift
5	103-6382	3	Blade, Solid
5	103-6392	3	Blade, Mulching ●
5	103-6402	3	Blade-Notched
5	116-5175	3	Blade-Extreme 2, 18.00"
6	3231-7	1	Bolt-Carriage 3/8-16 X 2 1/4
7	109-2872	1	Spacer-Pulley
8	116-4667	1	Idler-Pulley, Flat
9	3231-11	1	Bolt-Carriage 3/8-16 X 3 1/2
10	103-2916	1	Guard-Top
12	116-3806	1	Idler Arm ASM W/Bearings
13	116-3381	1	Bolt-Carriage 3/8-16 X 1 3/4
14	1-373034	1	Washer
15	93-1622	1	Pulley-Idler
16	116-3111	1	Belt-B158.0

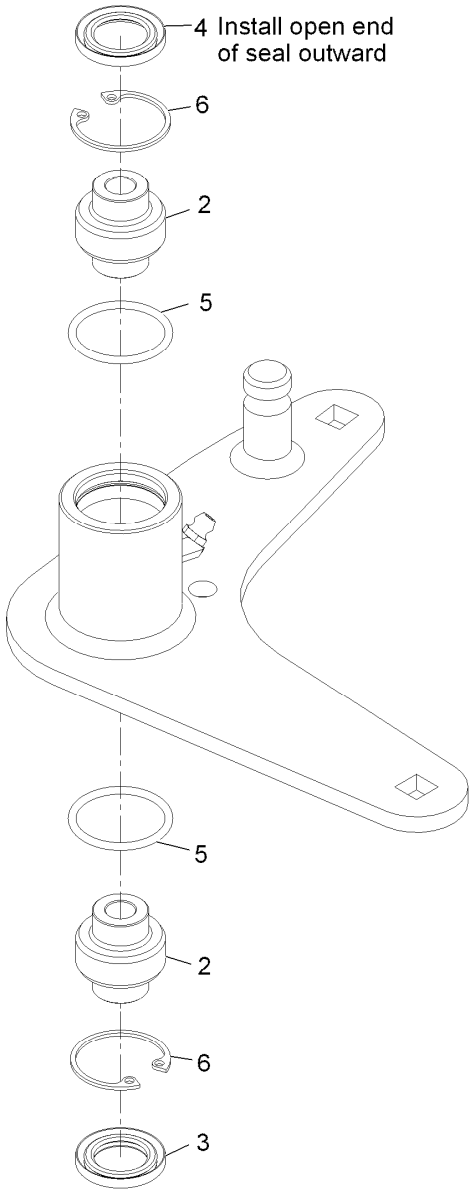
Ref.	Part Number	Qty.	Description
17	116-6317	1	Spring-Extension
18	109-7188	1	ASM,Discharge Chute
18:1	109-2738	1	Chute, Discharge
18:2	109-8675-01	1	Bracket,Discharge Chute
18:3	3231-22	3	Bolt-Carriage 3/8-16 X 1
18:4	109-6658	3	Nut-Nyloc 3/8-16 Flg
19	3231-28	4	Bolt-Carriage 3/8-16 X 1 1/4
20	109-6982	2	Wireform-Cover
21	109-6935	1	Cover-Belt, RH
22	109-6936	1	Cover-Belt, LH
23	116-5814-01	1	Baffle-Dogleg, Lz-Vt52
24	116-1822-01	4	Bar,Weight
25	1-513435	4	Washer-Spring Disc 1/2
26	325-6	4	Screw-HH 1/2-13 X 1 1/2
27	32128-49	4	Nut-Whizlock 1/2-13
28	116-7306	3	Nut-Hex
29	103-3037	3	Bushing, Splined
30	109-9220	3	Screw-Sems 1/2-20 X 2.19
31	116-1286	3	Guard,Bearing Top .989
32	116-0675	3	Sheave,Blade Drive 6.50 ■
33	103-2802	3	Washer-Spring Disc 3/4

● 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.



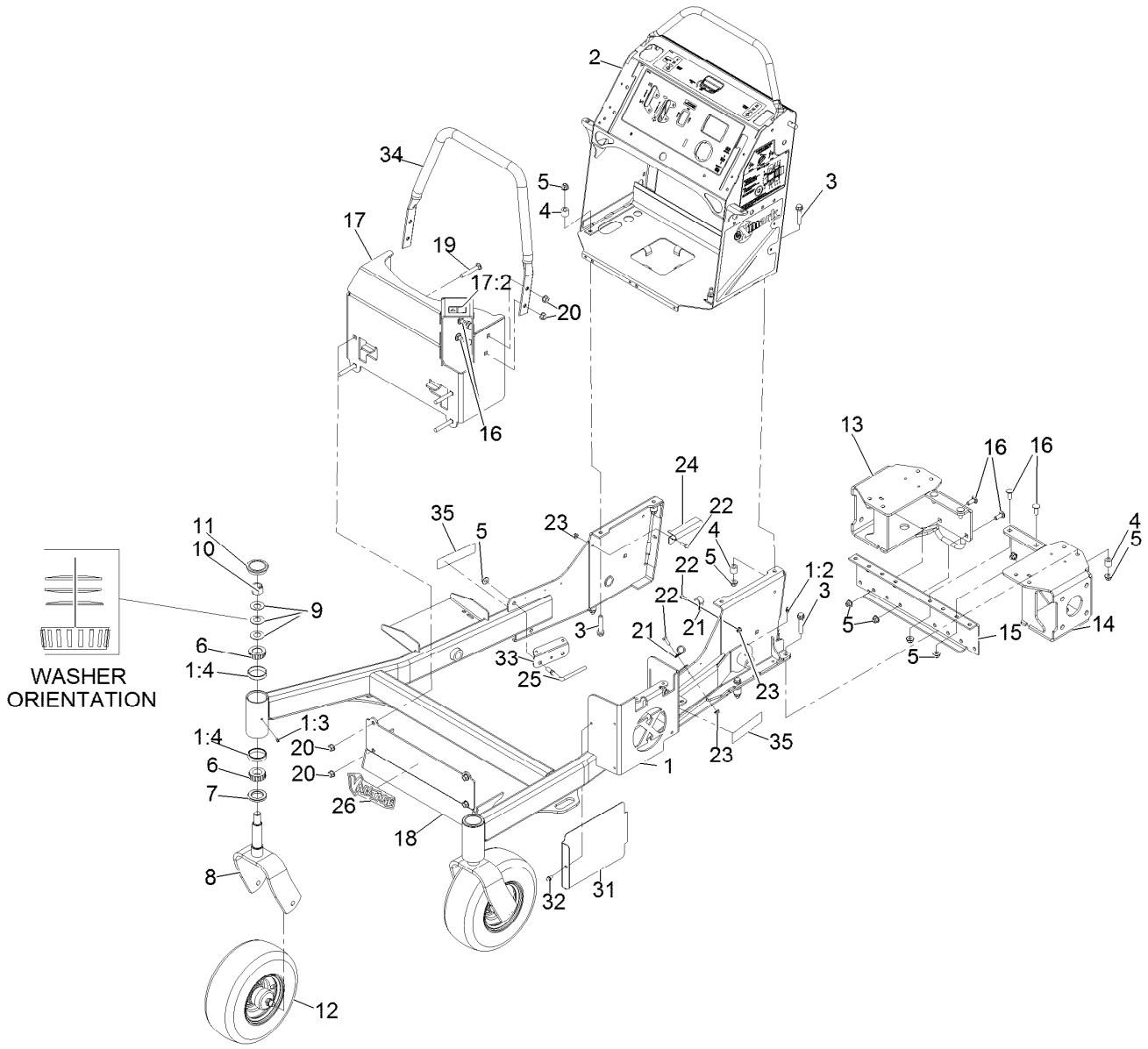
Deck W/Decals Assembly No. 116-4001

Ref.	*Part Number*	*Qty.*	*Description*
2	116-0034	1	Decal,Ultracut 52 Series 4
3	1-403005	2	Decal-Danger
4	1-303508	1	Decal-Warning, Discharge
5	109-3148	1	Decal, Bolt Torque
6	98-5954	2	Decal-Cover, Missing
7	116-3283	1	Decal-Belt Routing



Idler Arm Assembly No. 116-3806

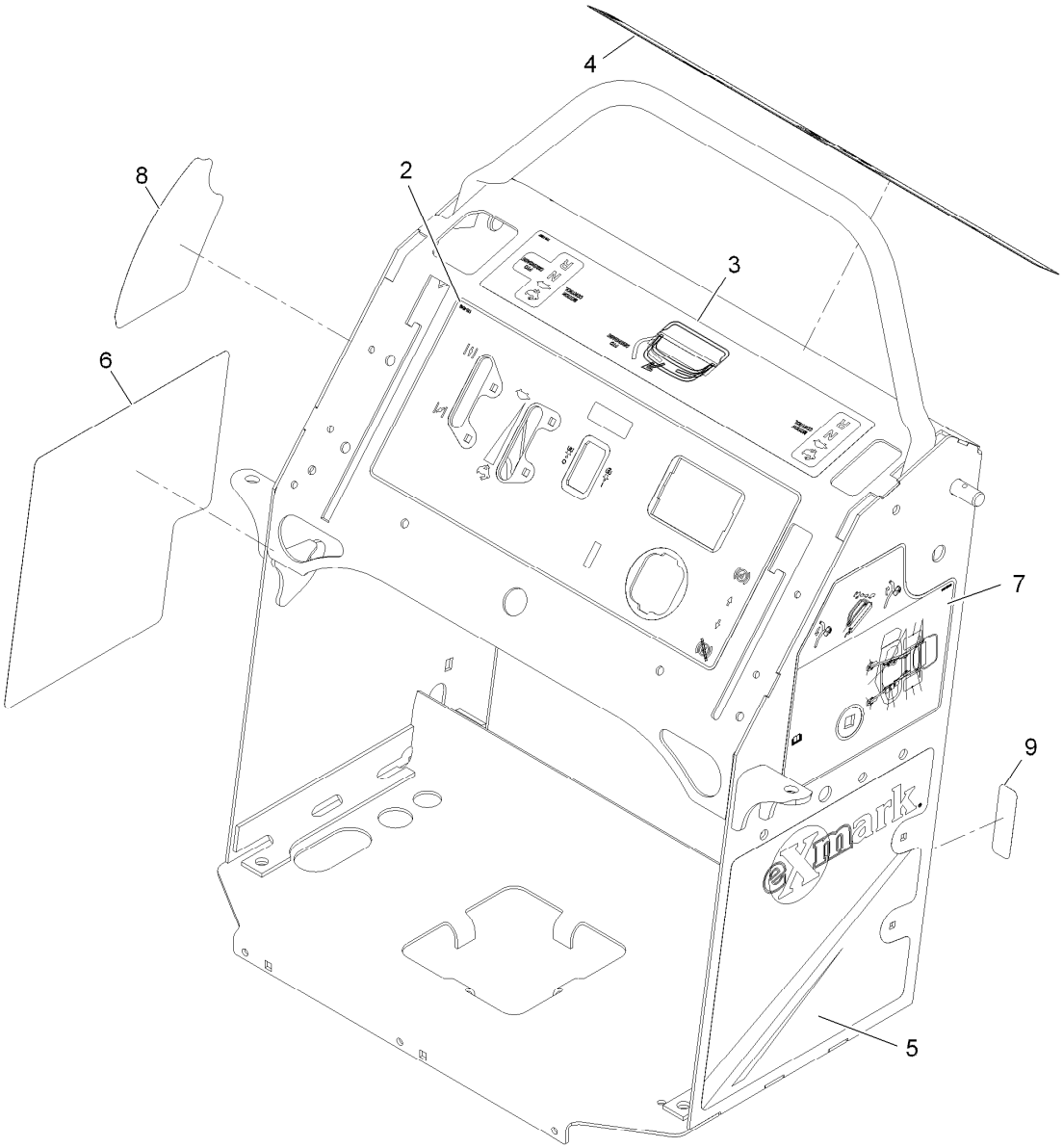
Ref.	*Part Number*	*Qty.*	*Description*
2	103-3504	2	Bearing-Spherical
3	103-3505	1	Seal, Double, Lip
4	103-3506	1	Seal-Single Lip
5	106-7159	2	O-Ring
6	32120-10	2	Ring-Retaining



Main Frame Assembly

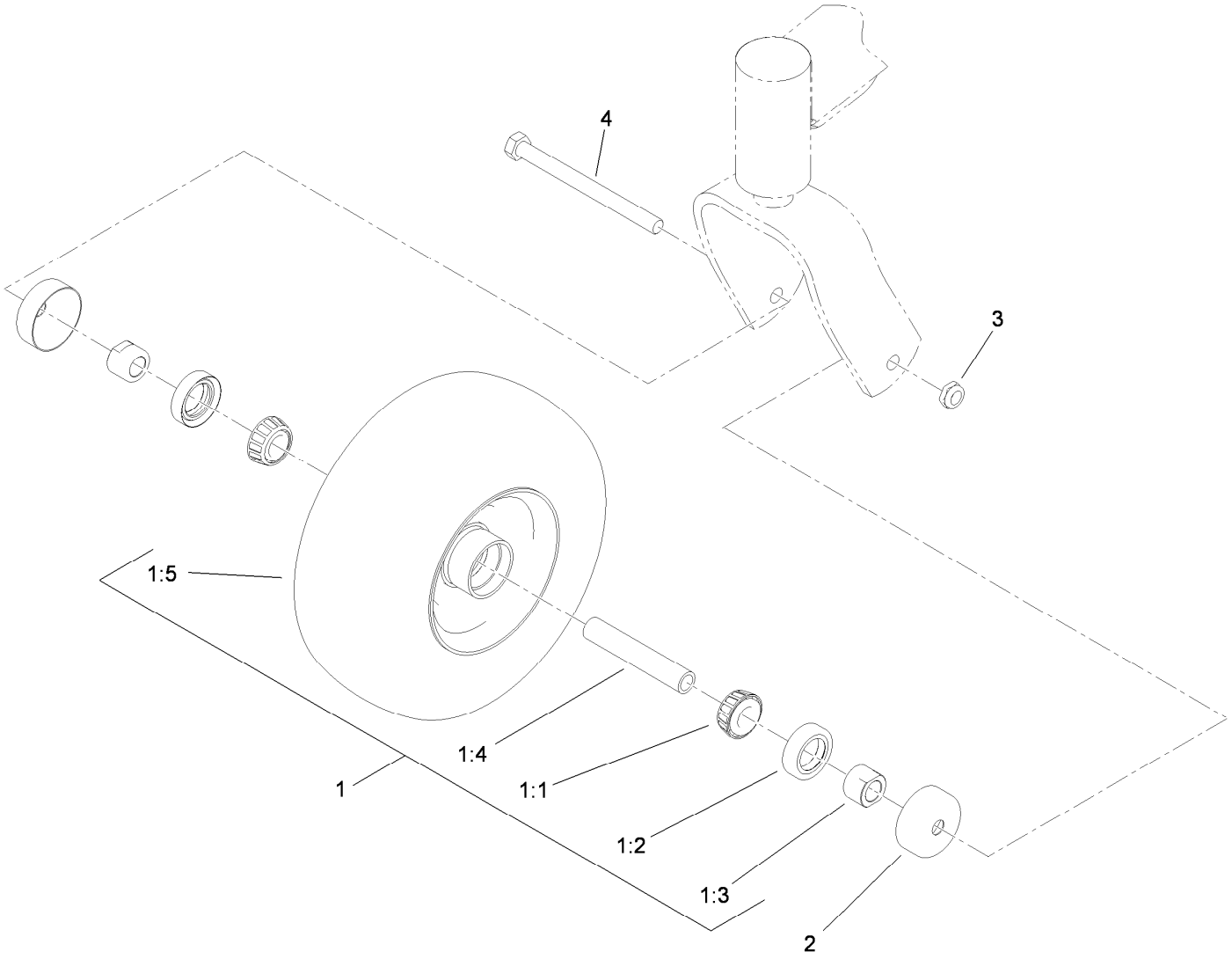
Ref.	Part Number	Qty.	Description
1	116-7045	1	Front Frame ASM
1:2	302-5	4	Zerk 1/4-28 Str Thrd Forming
1:3	1-811010	2	Plug
1:4	1-543508	4	Cup-Bearing
2	116-5013	1	Control Tower ASM
3	108-3742	8	Screw-HH Flg 3/8-16 X 2
4	121-1760	8	Spacer
5	104-8301	18	Nut-Nyloc 3/8-16 Flg
6	1-543509	4	Cone-Bearing Tapered Roller
7	1-543511	2	Seal-Grease
8	103-8618-01	2	Fork-Caster
9	1-633508	6	Washer-Spring Disc
10	3296-51	2	Nut-Nyloc 3/4-10
11	103-4882	2	Cap-Grease
12	112-3810	2	Wheel/Tire And Bearing ASM
13	119-7222-03	1	RH Motor Mount ASM
14	119-7220-03	1	LH Motor Mount ASM

Ref.	Part Number	Qty.	Description
15	119-7224-03	1	Mount-Motor, Center
16	3231-22	12	Bolt-Carriage 3/8-16 X 1
17	116-6373	1	Muffler Guard ASM
17:2	106-5517	1	Decal-Warning, Hot Surface
18	116-3113-01	1	Panel-Guard
19	3231-31	4	Bolt-Carriage 3/8-16 X 2 1/2
20	32128-21	8	Nut-3/8-16 Flanged Side Lock
21	2412-87	1	Clamp-Cable
22	321-4	2	Screw-HH 1/4-20 X 3/4
23	104-7201	2	Nut-Nyloc 1/4-20 Flg
24	116-5067	1	Bracket-Hose, Fuel (Double)
25	116-3382	2	Guide-Hose, Support
26	116-3137	1	Decal-Vantage Logo
31	116-6981-01	1	Shield-Heat, Tall
32	32144-4	1	Screw-HWH 1/4-20 X 1/2 Taptite
33	116-6997-01	2	Guard-Hose
34	116-8152-03	1	Tube, Guard
35	116-3884	2	Decal-S-Series



Control Tower With Decals Assembly No. 116-5013

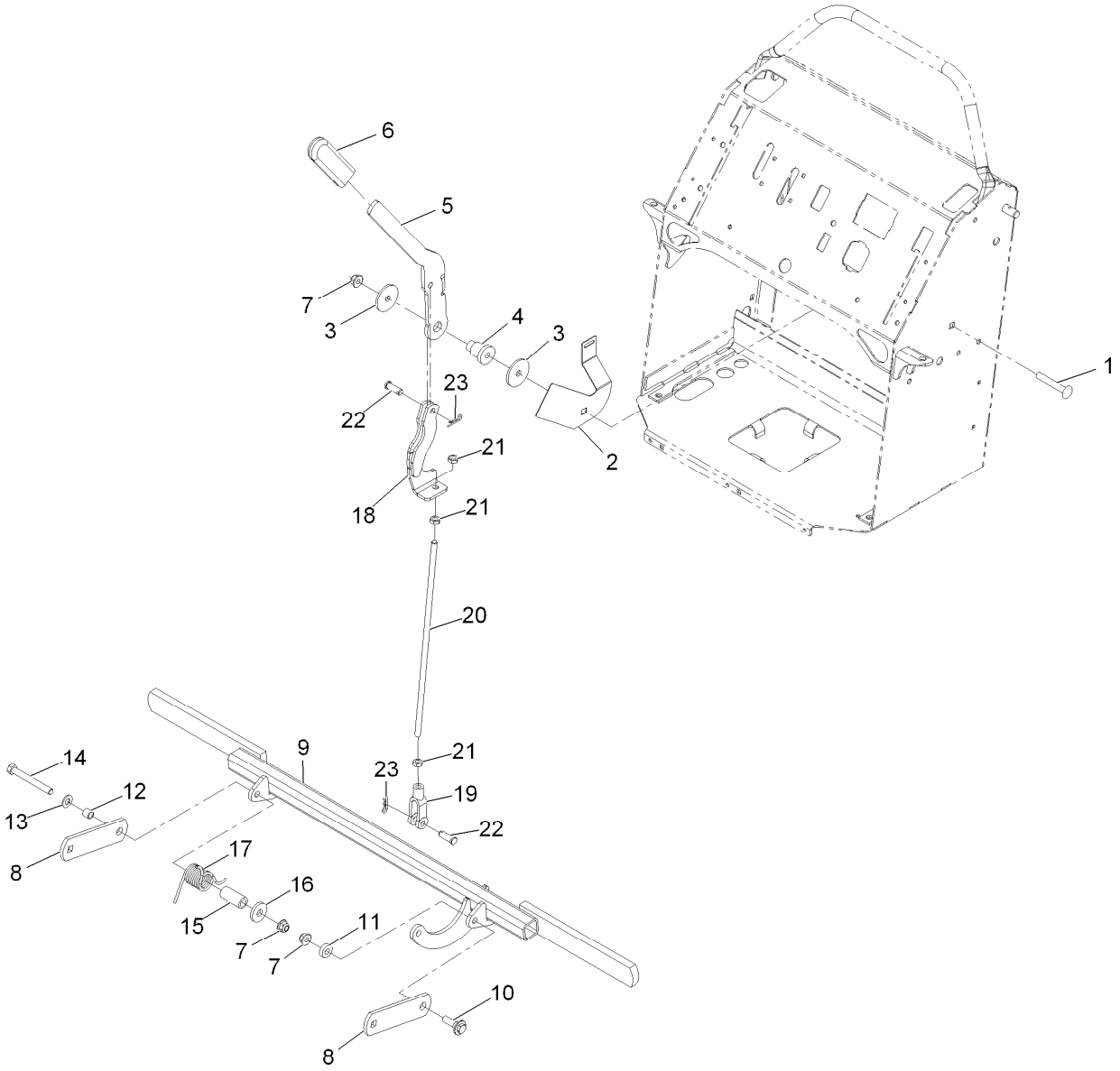
Ref.	*Part Number*	*Qty.*	*Description*
2	116-4648	1	Decal-Control Panel
3	116-1887	1	Decal-Motion Control
4	116-4647	1	Decal-Warning
5	116-4269	1	Decal-LH Panel
6	116-1909	1	Decal-RH Panel
7	116-5040	1	Decal-Service Aid
8	116-2040	1	Decal-Height Of Cut
9	116-3267	1	Decal-Fuse



Wheel and Bearing Assembly No. 112-3810

Ref.	*Part Number*	*Qty.*	*Description*
1		1	Wheel And Bearing ASM ●
1:1	1-633585	2	Bearing-Cone, Taper
1:2	103-0063	2	Seal-Caster
1:3	103-3051	2	Spacer-Nut ■
1:4	103-3157	1	Axle-Caster
1:5	110-9965	1	Wheel And Tire ASM
2	103-2768	2	Guard-Seal
3	3296-45	1	Nut-Lock, NI
4	325-20	1	Screw-HH

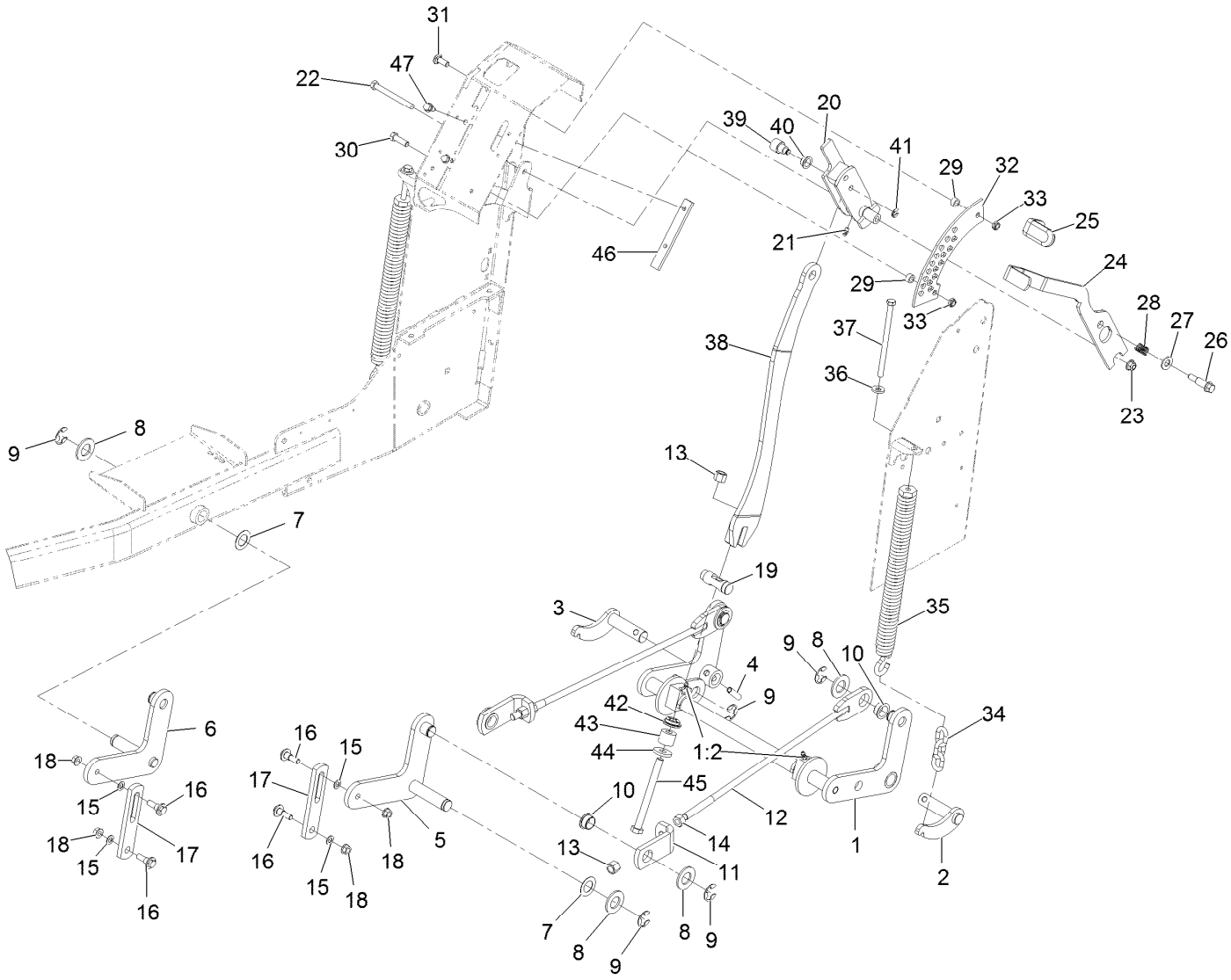
● Not serviced separately
■ Use Pro-Lock, Nut Type (P/N 1-840022, .5ml tube) on spacer nut



Park Brake Assembly

Ref.	Part Number	Qty.	Description
1	3231-44	1	Bolt-Carriage 3/8-16 X 2 1/2
2	117-0452-03	1	Plate-Switch, Brake
3	63-7400	2	Washer-Rebound
4	106-3214	1	Mount-Pulley
5	117-5759-03	1	Lever-Brake
6	1-633268	1	Grip-Lever
7	104-8301	3	Nut-Nyloc 3/8-16 Flg
8	114-5186-01	2	Support-Brake
9	119-8730-03	1	Bar-Brake
10	614672	1	Screw-Shoulder 3/8-16 X 1.295
11	5-0652	1	Spacer

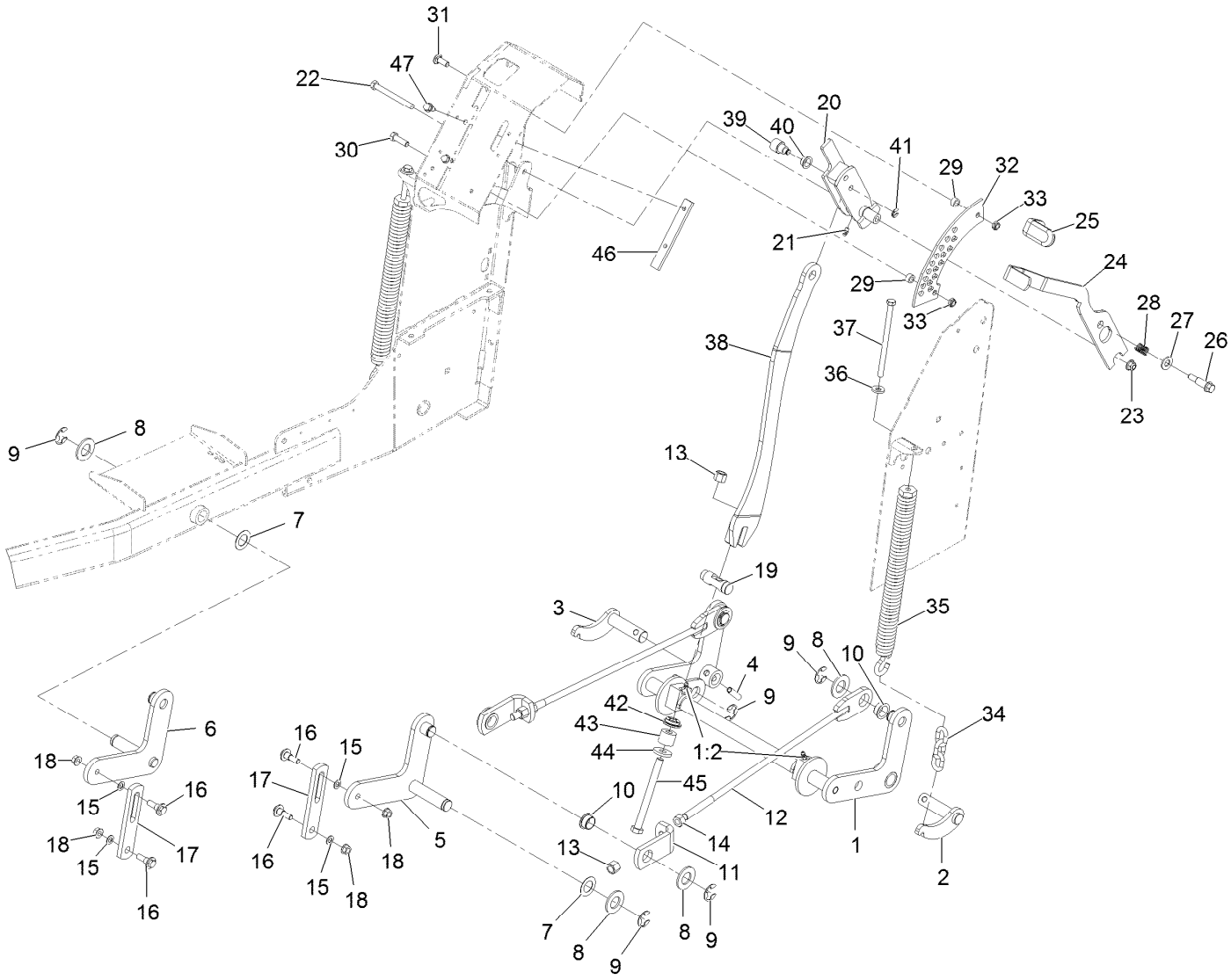
Ref.	Part Number	Qty.	Description
12	117-9684	1	Spacer
13	3256-24	1	Washer-3/8 Sae
14	323-20	1	Screw-HH 3/8-16 X 3-1/4
15	117-9683	1	Spacer
16	117-9682	1	Spring-Torsion
17	1-373034	1	Washer
18	119-8780-03	1	Arm-Brake
19	1-633131	1	Yoke-Linkage, Brake
20	119-7244	1	Rod-Brake
21	3220-3	3	Nut-Jam 3/8-24
22	283-2	2	Pin-Clevis 3/8 X 1 1/6
23	3290-307	2	Pin-Hair



Deck Lift Assembly

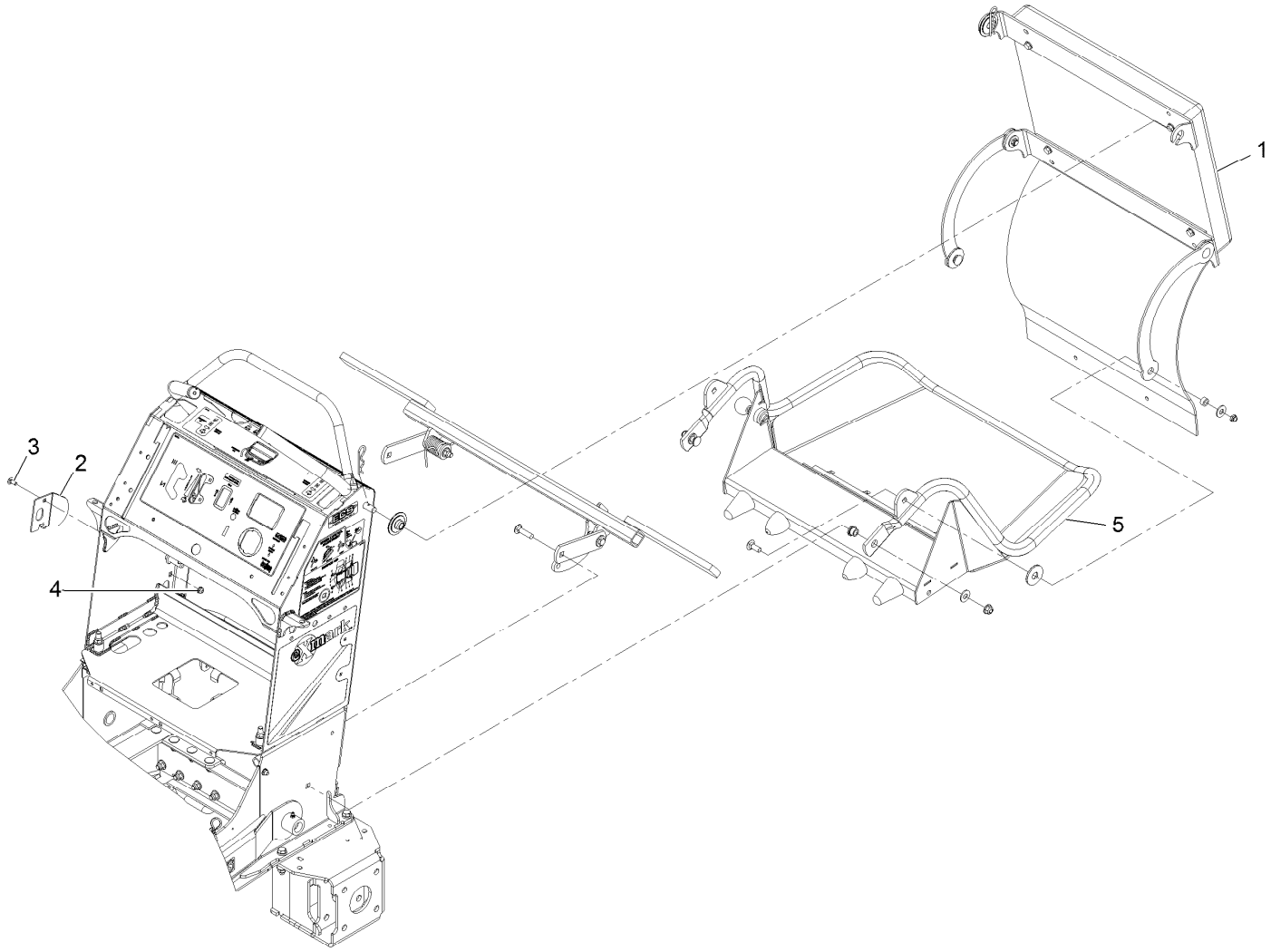
Ref.	Part Number	Qty.	Description
1	116-3103	1	Rear Crossshaft ASM
1:2	302-11	2	Zerk-45° 1/4-28
2	116-3104-01	1	Shaft-Pivot, LH
3	116-3105-01	1	Shaft-Pivot, RH
4	116-3107	2	Pin-Spiral
5	121-5993-01	1	Arm-Lift, LH
6	121-5994-01	1	Arm-Lift, RH
7	110-6767	2	Washer-Thrust
8	3256-29	6	Washer-7/8 Sae
9	32151-103	7	E-Ring
10	116-2909	4	Bearing-Flange
11	116-2901	2	Bracket-Lift Rod
12	116-8676	2	Lift Rod ASM
13	3296-23	3	Nut-Nyloc 1/2-13
14	3217-9	2	Nut-Hex 1/2-13
15	40-1940	4	Washer
16	109-9840	4	Screw-Hex Flange 3/8-16 X .80
17	117-0519	2	Link-Lift
18	32128-21	4	Nut-3/8-16 Flanged Side Lock

Ref.	Part Number	Qty.	Description
19	114-5274	1	Pin-HOC
20	114-3512	1	HOC Handle ASM
21	302-5	1	Zerk 1/4-28 Str Thrd Forming
22	323-42	1	Screw-HH 3/8-16 X 3 3/4
23	104-8301	1	Nut-Nyloc 3/8-16 Flg
24	114-1878-03	1	Lever-HOC
25	1-633268	1	Grip-Lever
26	66-0561	1	Screw-Shoulder
27	3256-26	1	Washer-1/2 Sae
28	65-9940	1	Spring
29	111044	2	Bushing
30	323-7	1	Screw-HH 3/8-16 X 1 1/4
31	3231-22	1	Bolt-Carriage 3/8-16 X 1
32	114-5307	1	Bracket-HOC
33	3296-59	2	Nut-Nyloc 3/8-16 Thin
34	103-9859	2	Chain-Decklift
35	116-0886	2	Extension Spring ASM
36	98-5975	2	Washer-Spring Disc 3/8
37	323-58	2	Bolt-HH 3/8-16 X 6 Tap
38	116-2939	1	Bar-Lift



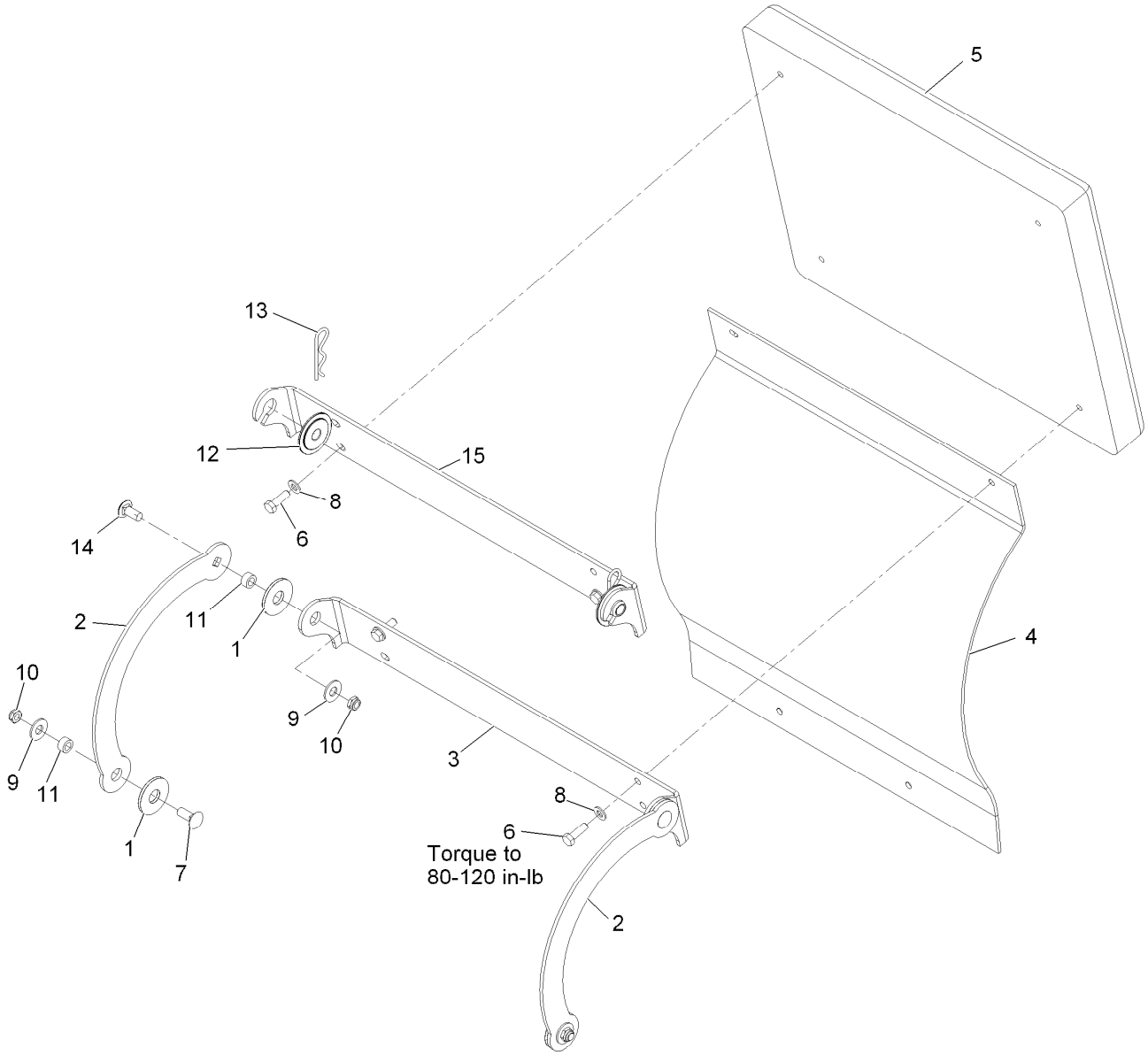
Deck Lift Assembly (continued)

Ref.	Part Number	Qty.	Description
39	116-3048	1	Hub-Pivot
40	116-3047	1	Bearing-Flange
41	32151-47	1	Ring-Retaining
42	116-3625	1	Seat-Spring
43	116-3241	1	Spring-Urethane
44	92-2651	1	Washer
45	325-22	1	Screw-HH 1/2-13 X 5 1/2
46	116-3124	1	Skid-Handle, Lift
47	32144-70	2	Screw-HWH 5/16-18 X 3/4 Tf



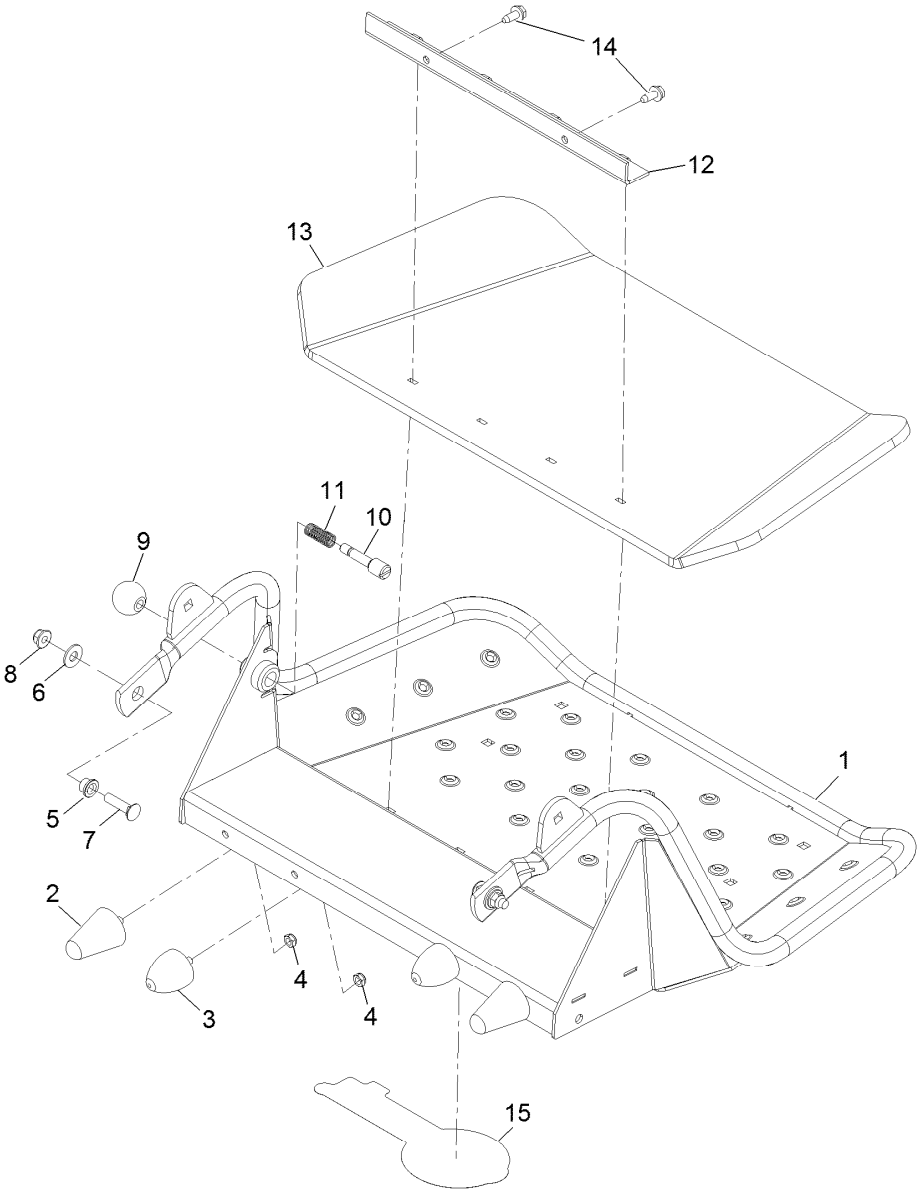
Platform Group

Ref.	*Part Number*	*Qty.*	*Description*
1	116-1803	1	Cushion ASM
2	119-7312	1	Plate-Striker
3	3229-11	1	Bolt-Carriage 1/4-20 X 5/8
4	104-7201	1	Nut-Nyloc 1/4-20 Flg
5	116-1804	1	ASM,Platform



Cushion Assembly No. 116-1803

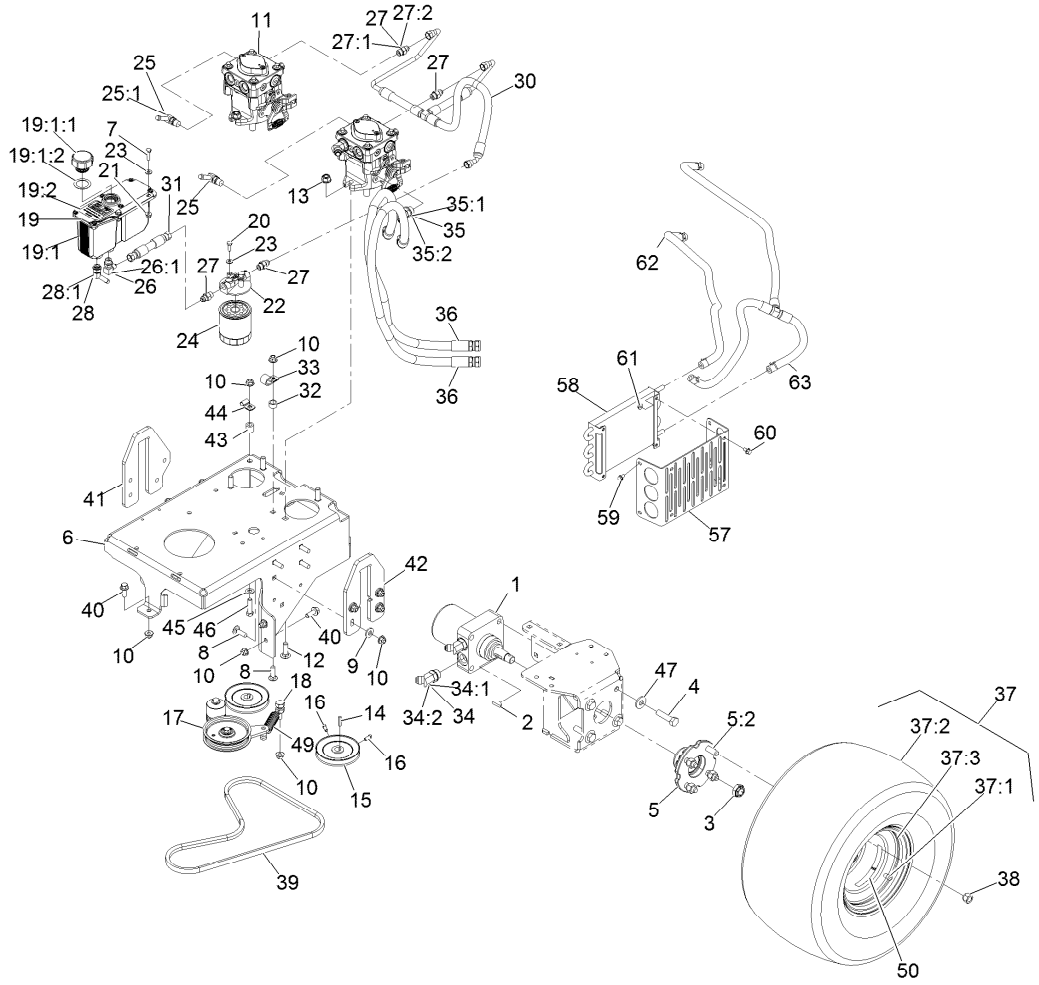
Ref.	*Part Number*	*Qty.*	*Description*
1	114-0463	4	Washer-Friction, Composite
2	114-1915-03	2	Link-Pad
3	116-2061-03	1	Hinge-Pad
4	116-3406	1	Shield-Rear
5	116-1790	1	Pad,Grey Cushion
6	116-0648	4	Screw-HH 5/16-18 X 1 W/Patch
7	3231-2	2	Bolt-Carriage 3/8-16 X 1
8	3256-23	4	Washer-5/16 Sae
9	3256-4	4	Washer-3/8 Std
10	3296-59	4	Nut-Nyloc 3/8-16 Thin
11	111044	4	Bushing
12	116-2886	2	Slide-Bushing
13	3290-355	2	Pin-Hair
14	3231-27	2	Bolt-Carriage 3/8-16 X 7/8
15	116-2757-03	1	Hinge-Pad



Platform Assembly No. 116-1804

Ref.	*Part Number*	*Qty.*	*Description*
1	117-9641-03	1	Platform ASM
2	114-1925	2	Bumper-Rubber
3	114-1926	2	Bumper-Rubber
4	3296-47	4	Nut-Nyloc 5/16-18 Thin
5	109-8788	2	Bushing-Flanged
6	3256-4	2	Washer-3/8 Std
7	3231-4	2	Bolt-Carriage 3/8-16 X 1 1/2
8	104-8301	2	Nut-Nyloc 3/8-16 Flg
9	1-603175	1	Knob-Ball
10	119-8650	1	Pin-Latch ●
11	114-5348	1	Spring
12	114-1920-03	1	Clamp-Shield
13	114-5349	1	Mat-Foot
14	32144-70	2	Screw-HWH 5/16-18 X 3/4 Tf
15	1-653546	1	Decal, Exmark

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



Ground Drive Assembly

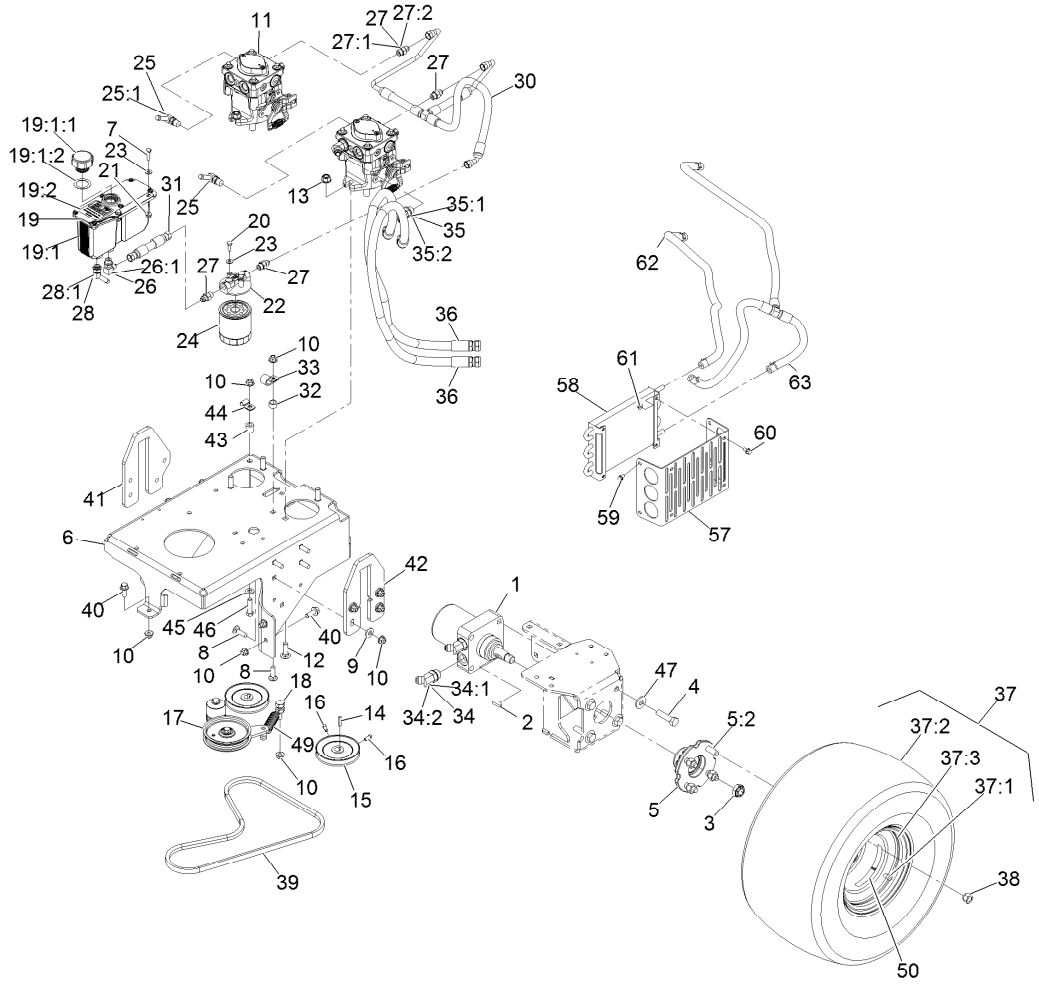
Ref.	Part Number	Qty.	Description
1	116-4851	2	Motor-Wheel
2	3257-8	2	Key-Woodruff
3	116-2839	2	Nut-Lock
4	325-8	8	Screw-HH 1/2-13 X 1 1/4
5	105-0800	2	Wheel Hub ASM
5:2	10-6830	4	Stud-Type, Drive
6	116-8525-01	1	Base, Engine [red]
7	321-6	2	Screw-HH 1/4-20 X 1
8	3231-25	9	Bolt-Carriage 3/8-16 X 1 1/4
9	98-5975	8	Washer-Spring Disc 3/8
10	104-8301	16	Nut-Nyloc 3/8-16 Flg
11	116-2572	2	Pump - Hydraulic
12	3232-3	4	Bolt-Carriage 7/16-14 X 1 1/2
13	114-8417	4	Nut-HF, NI
14	1-807272	2	Key-5Mm X 5Mm X 25Mm
15	105-5648	2	Pulley-Pump ■
16	3241-5	4	Setscrew-SQH 1/4-20 X 5/8 ◆
17	116-7600	1	Pump Idler ASM
18	116-8526	1	Anchor, Spring
19	116-2066	1	ASM,Reservoir W/Decals ▲
19:1		1	Reservoir-HYD ●
19:1:1	103-1948	1	Cap-Reservoir, HYD
19:1:2	103-1949	1	Gasket-Cap
19:2	116-0404	1	Decal-Hydraulic Tank
20	321-4	2	Screw-HH 1/4-20 X 3/4
21	32128-32	2	Nut-Hex 1/4-20 Side Lock
22	104-7836	1	Filter-Head
23	3256-22	4	Washer-1/4 Sae
24	109-4180	1	Element, Oil Filter
25	100-4887	2	Fitting-Barbed, 90 DEG
25:1	237-42	1	O-Ring
26	103-1802	1	Fitting-HYD, 90 DEG
26:1	1-603921	1	O-Ring-Sae #6
27	103-2156	4	Adapter-Straight
27:1	1-603921	1	O-Ring-Sae #6
27:2	103-1020	1	O-Ring-37 Flare #6
28	103-1807	1	Fitting-Barbed, 45 DEG
28:1	237-42	1	O-Ring
30	116-2650	1	Hose Assembly - Charge
31	116-2604	1	HYD Hose ASM
32	1-653069	1	Spacer-Wheel
33	1-633396	1	Clip-Loom 5/8
34	1-523222	4	Fitting-HYD, 45 DEG
34:1	1-603919	1	O-Ring-Sae #10
34:2	1-603992	1	O-Ring-37 Flare #8
35	1-523221	4	Fitting-HYD, 45 DEG

● Not serviced separately

▲ Use Exmark Premium Hydro Oil P/N 109-9828 (32oz)

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

■ Apply anti-seize compound in bore.

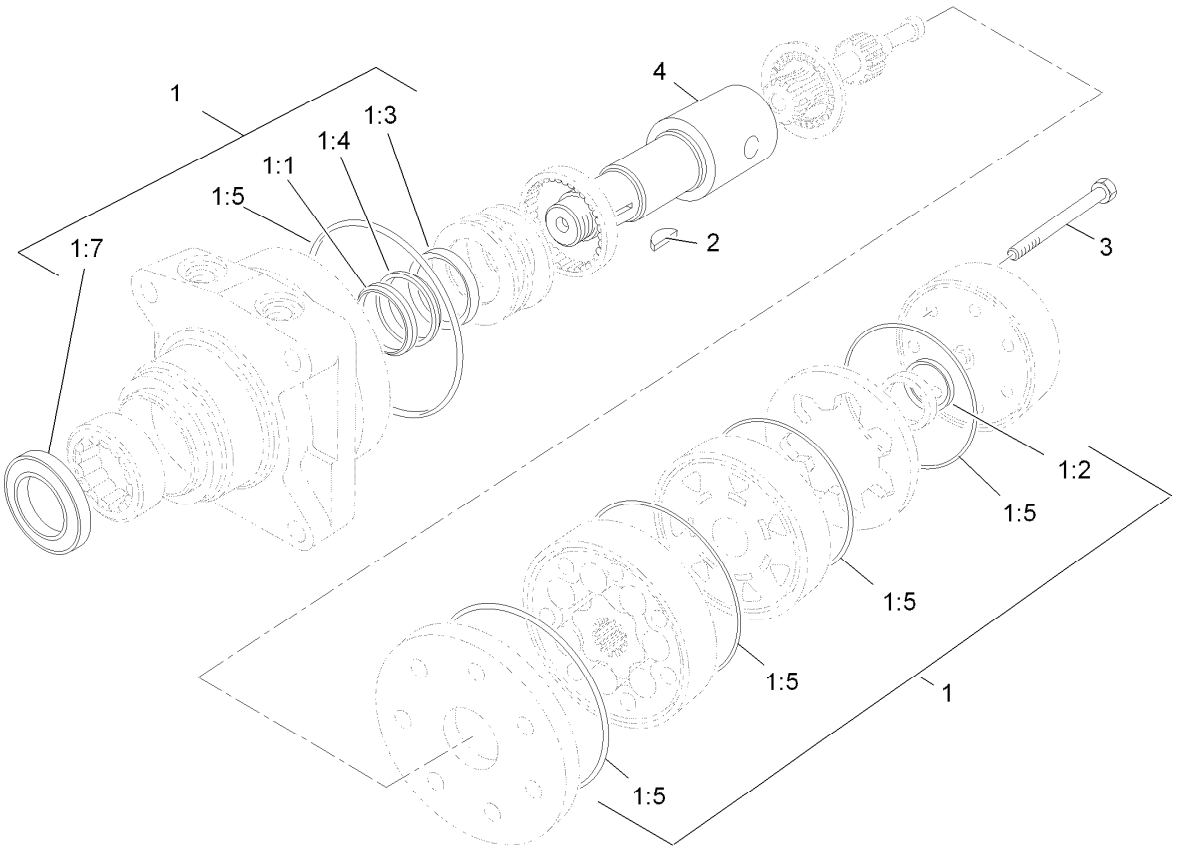


Ground Drive Assembly (continued)

Ref.	Part Number	Qty.	Description
35:1	1-603920	1	O-Ring-Sae #8
35:2	1-603992	1	O-Ring-37 Flare #8
36	116-6902	4	HYD Hose ASM
37	120-6465	2	Wheel/Tire ASM
37:1	116-4605	1	Rim-8 Inch
37:2	120-6466	1	Tire
37:3	232-27	1	Stem-Valve
38	242-50	8	Nut-Lug 1/2-20
39	114567	1	Belt-V
40	3234-42	5	Screw HHF 3/8-16 X 1
41	116-4922	1	Plate-Lift, RH
42	116-3546	1	Plate, Lift LH
43	121-1760	1	Spacer
44	116-3362	1	Clip-Tube

Ref.	Part Number	Qty.	Description
45	3256-24	1	Washer-3/8 Sae
46	323-8	1	Screw-HH 3/8-16 X 1 1/2
47	1-513435	8	Washer-Spring Disc 1/2
49	108-4056	1	Spring-Extension
50	116-4181	2	Decal-Wheel Hub
57	116-7497-01	1	Bracket, Cooler Mounting
58	116-7274	1	Cooler-Oil
59	32144-4	4	Screw-HWH 1/4-20 X 1/2 Taptite
60	3234-13	4	Screw-HHF
61	32149-2	4	Nut-Keps
62	116-7338	1	Hose-Hydraulic
63	116-7613	1	Hose ASM-HYD LP 3/8

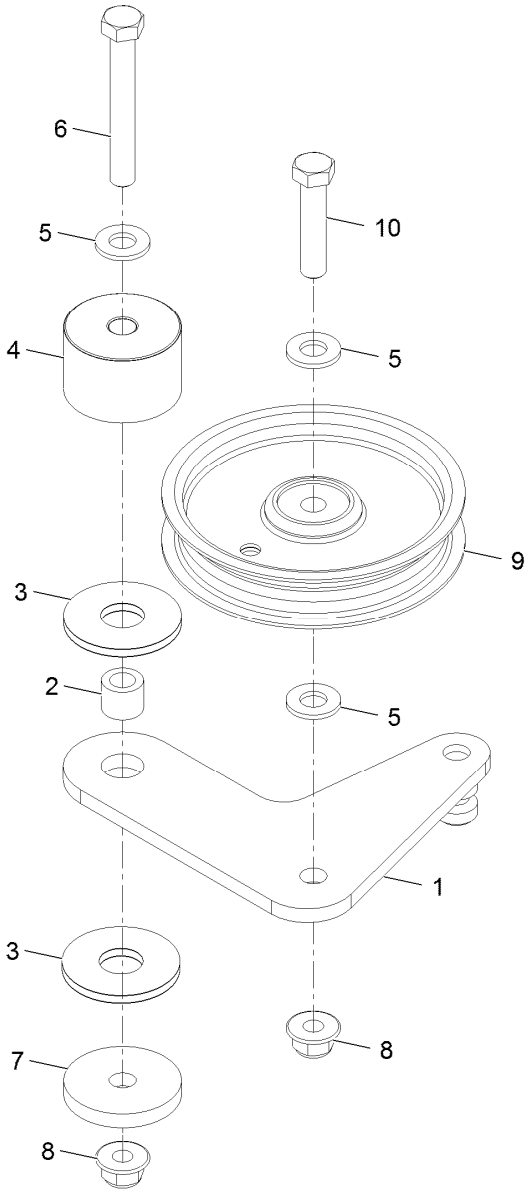
● Not serviced separately
▲ Use Exmark Premium Hydro Oil P/N 109-9828 (32oz)
◆ Use Pro-Lock, Nut Type (P/N 1-840022, .5ml tube) on threads.
■ Apply anti-seize compound in bore.



Wheel Motor Assembly No. 116-4851

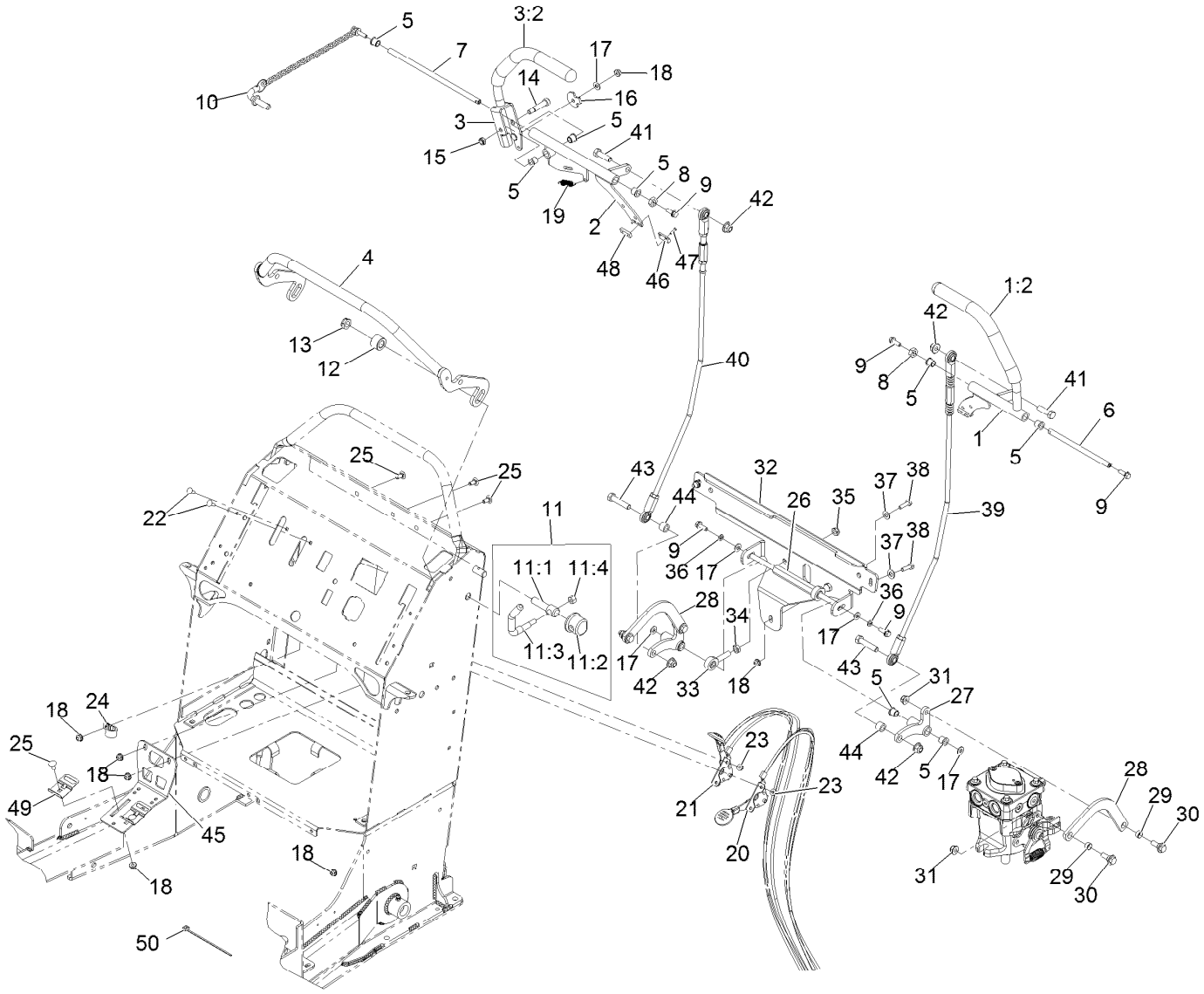
Ref.	*Part Number*	*Qty.*	*Description*
1	1-000119	1	Seal Kit
1:1		1	Ring-Back Up ●
1:2		1	Seal-Commutator ●
1:3		1	Seal-Shaft (Viton) ●
1:4		1	Washer-Back Up, Steel ●
1:5		5	Ring-Seal (Viton) ●
1:7		1	Seal-Dirt And Water ●
2	3257-8	1	Key-Woodruff
3	106-5549	6	Bolt-Special
4	106-8764	1	Shaft-Coupling

● Not serviced separately



Pump Idler Assembly No. 117-7685

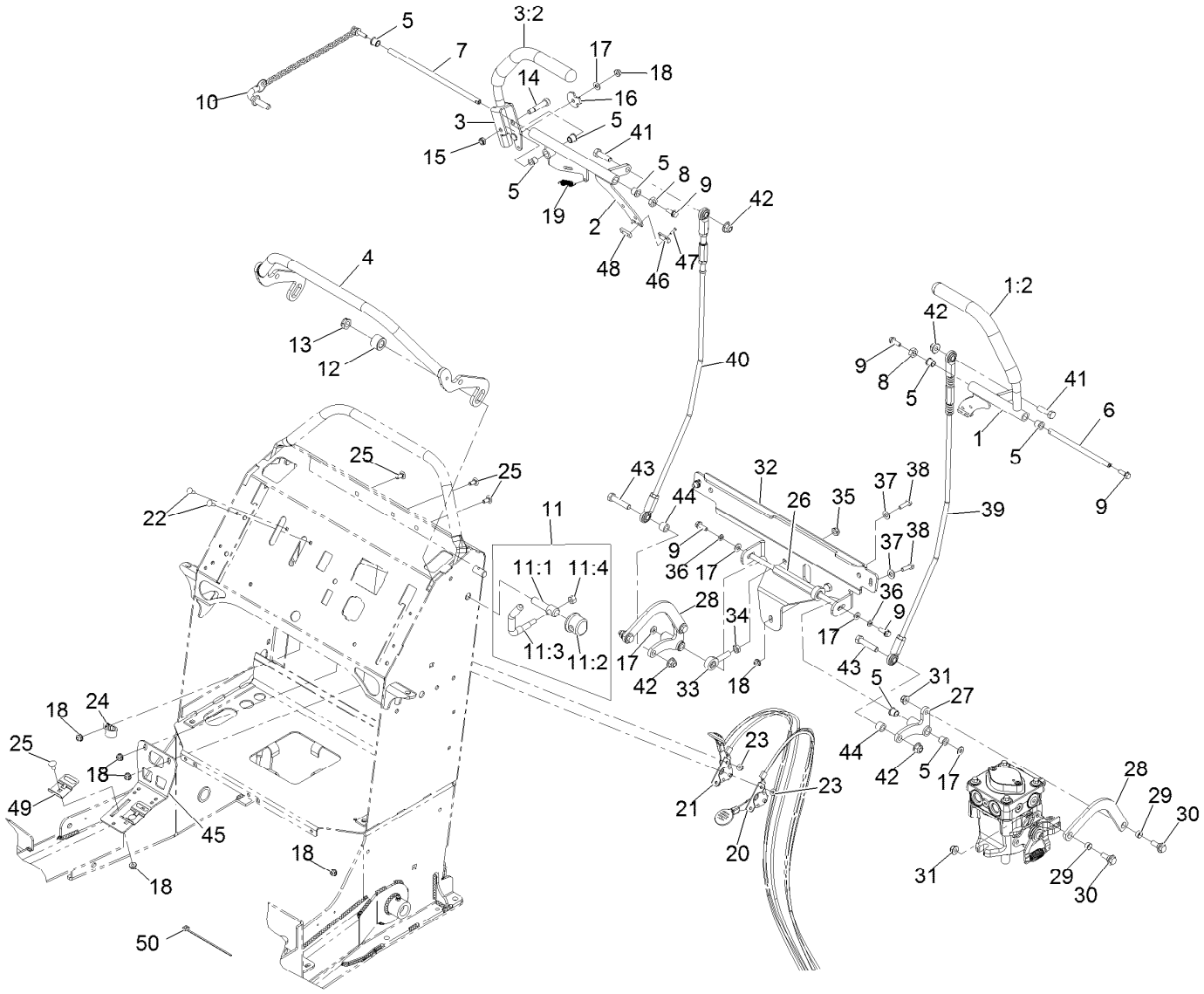
Ref.	*Part Number*	*Qty.*	*Description*
1	117-7684	1	Idler Plate ASM
2	1-413088	1	Spacer
3	114-0463	2	Washer-Friction, Composite
4	116-7599	1	Hub, Idler
5	3256-24	3	Washer-3/8 Sae
6	323-13	1	Screw-HH 3/8-16 X 2 3/4
7	110-9981	1	Washer-Plain
8	104-8301	2	Nut-Nyloc 3/8-16 Flg
9	93-1622	1	Pulley-Idler
10	323-9	1	Screw-HH 3/8-16 X 1 3/4



Control Assembly

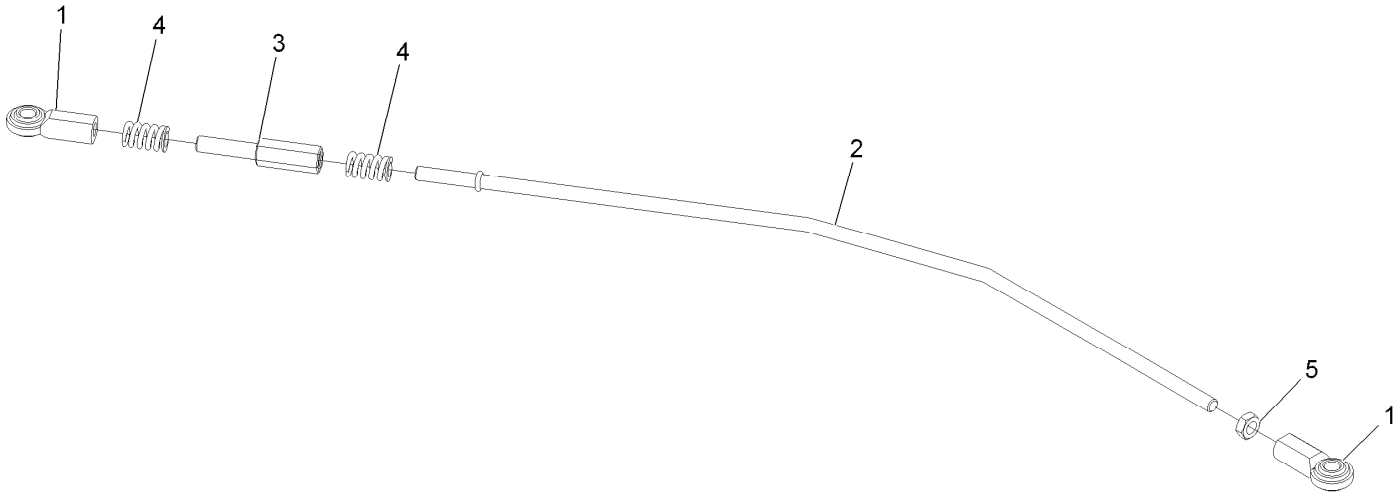
Ref.	Part Number	Qty.	Description
1	116-4970	1	Lever ASM, LH
1:2	116-2357	1	Grip-Handle, Control
2	116-4972-03	1	Motion Control ASM-RH
3	116-2356	1	Lever ASM, RH
3:2	116-2357	1	Grip-Handle, Control
4	116-6985-03	1	Tube ASM, Front Speed Control [
5	103-9928	10	Bearing
6	116-4978	1	Shaft-Pivot, Motion Control
7	116-4979	1	Shaft-Pivot, Motion Control
8	116-4198	2	Spacer-Drive Lever Shaft
9	117-8304	5	Screw-Hex Flange 1/4-20 X 3/4
10	114-0409	1	HOC Pin ASM
11	107-1664	2	Lever ASM
11:1	106-3239	1	Screw-Lock
11:2	107-1644	1	Cap-Lock
11:3	106-3241	1	Lever-Lock
11:4	3296-29	1	Nut-Nyloc 5/16-18
12	116-2319	2	Spacer-Clamp
13	3296-45	2	Nut-Nyloc 1/2-13 Thin

Ref.	Part Number	Qty.	Description
14	114-0239	1	Screw-Shoulder 5/16-18 X 1/2
15	3296-47	1	Nut-Nyloc 5/16-18 Thin
16	114-0268	1	Cam-Lever
17	3256-22	5	Washer-1/4 Sae
18	104-7201	9	Nut-Nyloc 1/4-20 Flg
19	114-0249	1	Spring-Extension
20	116-4276	1	Control-Throttle
21	116-4277	1	Control-Choke
22	1-807533	4	Bolt-Carriage #10-24 X 5/8
23	32128-17	4	Nut-Lock, Flange
24	2412-87	1	Clamp-Cable
25	3229-11	5	Bolt-Carriage 1/4-20 X 5/8
26	116-3119	1	Shaft-Bellcrank Pivot
27	116-4975	2	Bellcrank-Control, Motion
28	116-4973	2	Link-Bellcrank, Pump
29	116-4976	4	Bushing-Sleeve
30	116-2670	4	Screw-Shoulder HHF 5/16-18 X .96
31	104-8300	4	Nut-Nyloc 5/16-18 Flg
32	116-3202-03	1	Bracket-Bellcrank



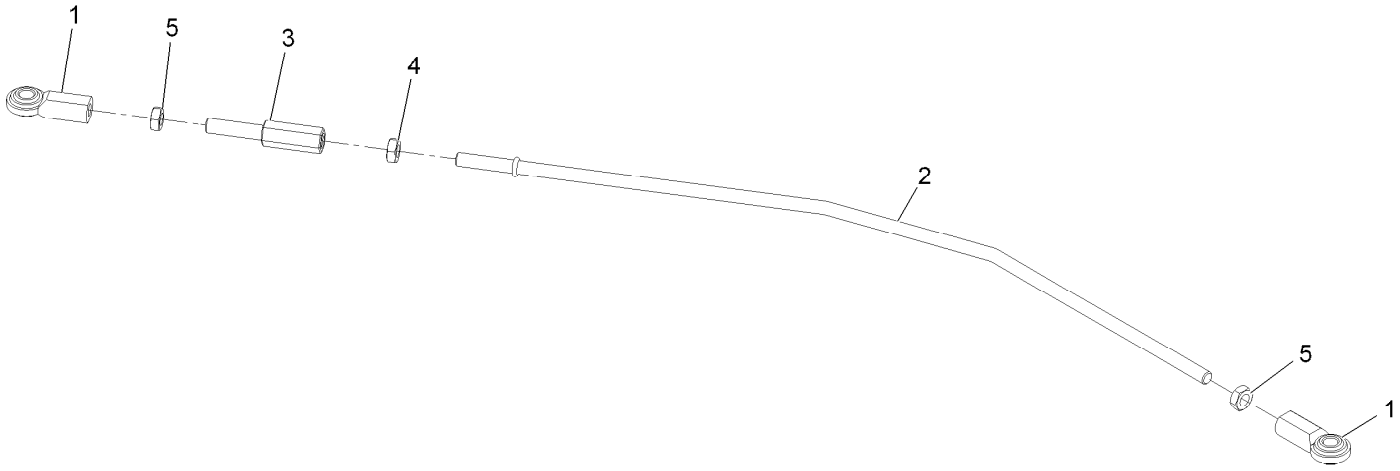
Control Assembly (continued)

Ref.	Part Number	Qty.	Description
33	1-613204	2	Balljoint
34	3220-3	2	Nut-Jam 3/8-24
35	3296-5	2	Nut-Nyloc 3/8-24 Thin
36	3253-3	2	Washer-Lock 1/4
37	3256-23	3	Washer-5/16 Sae
38	321-5	3	Screw-HH 1/4-20 X 7/8
39	116-4936	1	Linkage-Tracking Control, LH
40	116-4937	1	Linkage-Tracking Control, RH
41	323-7	2	Screw-HH 3/8-16 X 1 1/4
42	104-8301	4	Nut-Nyloc 3/8-16 Flg
43	323-9	2	Screw-HH 3/8-16 X 1 3/4
44	52-2480	2	Spacer-Wheel
45	116-4572	1	Bracket, Reed Switch
46	116-2832	2	Actuator-Switch, Reed
47	116-3330	4	Screw-HH #4-40 X 1/2 W/Nylon
48	116-3227	2	Plate-Tapped
49	116-4573	2	Clamp, Reed Switch
50	3290-378	1	Tie-Cable



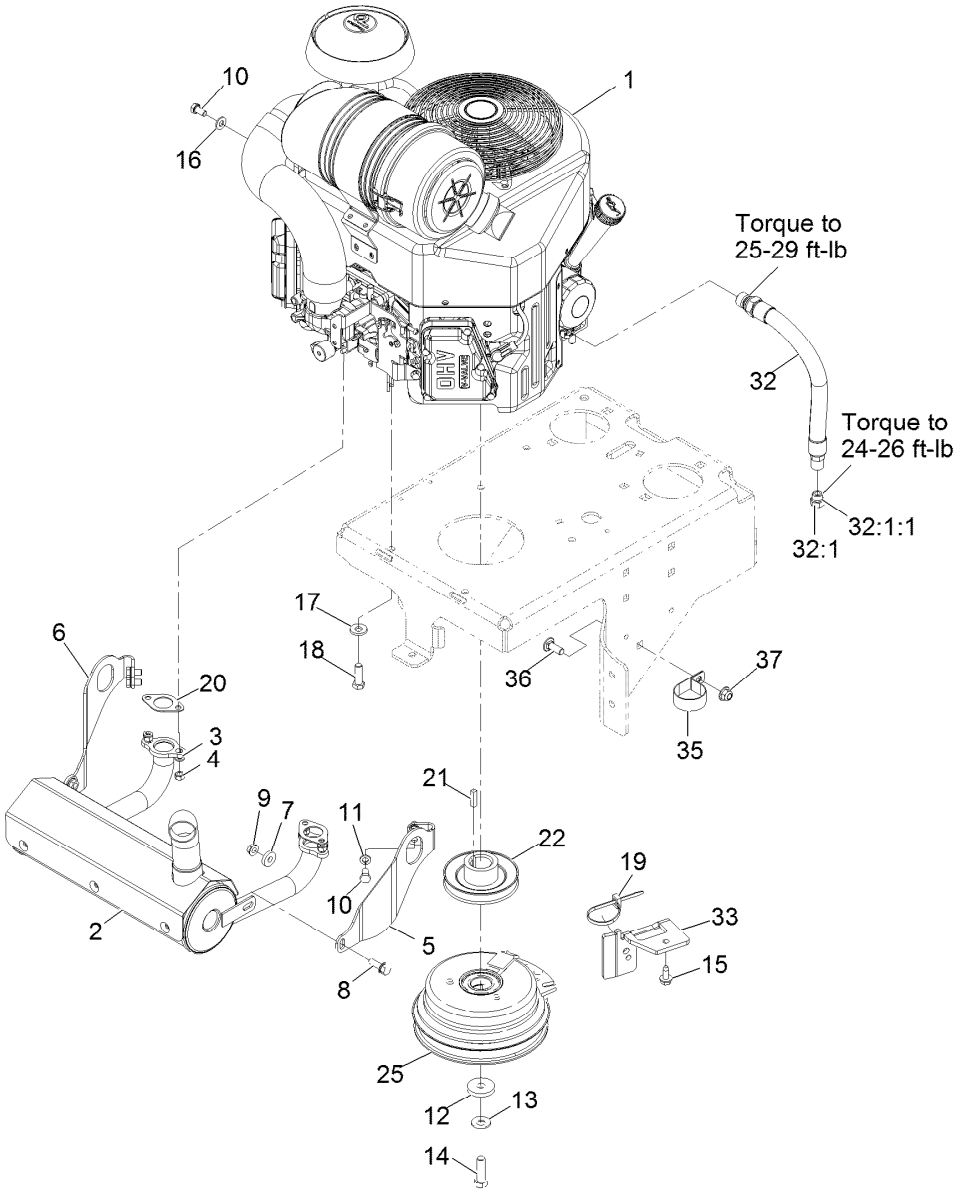
LH Tracking Control Linkage Assembly No. 116-4936

Ref.	*Part Number*	*Qty.*	*Description*
1	103-0608	2	Balljoint
2	116-4938	1	Link-Lower,Motion Control
3	116-4755	1	Rod-Adjustment
4	116-7560	2	Spring-Compression
5	3220-3	1	Nut-Jam 3/8-24



RH Tracking Control Linkage Assembly No. 116-4937

Ref.	*Part Number*	*Qty.*	*Description*
1	103-0608	2	Balljoint
2	116-4938	1	Link-Lower,Motion Control
3	116-4755	1	Rod-Adjustment
4	3220-16	1	Nut-Jam 3/8-24 LH
5	3220-3	2	Nut-Jam 3/8-24



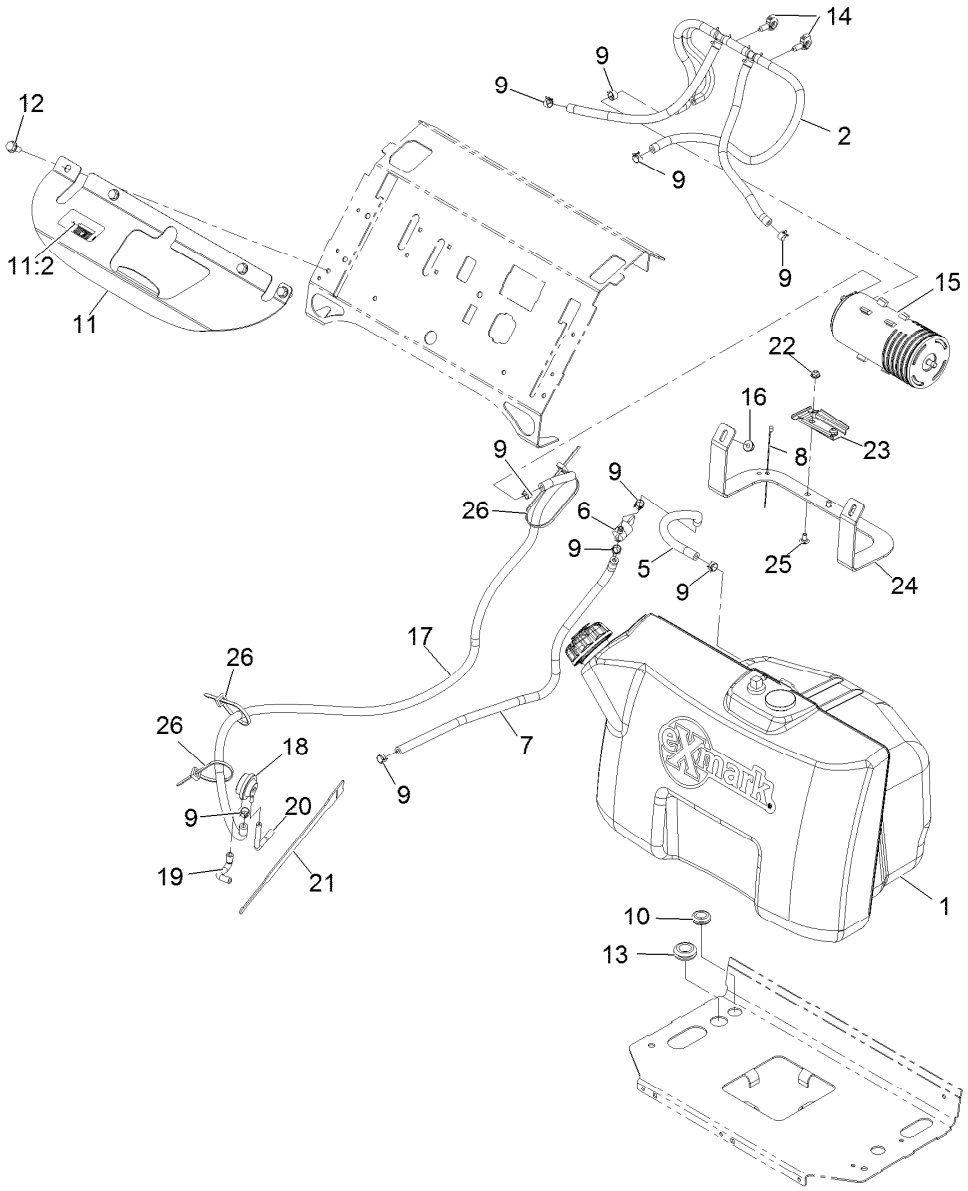
Engine Assembly

Ref.	Part Number	Qty.	Description
1		1	Engine-Kawaski, Fx691 ●■
2	116-8747	1	Muffler, Kawasaki, 22-26
3	114-3550	4	Washer-Lock, Spring
4	114-3549	4	Nut-M8
5	116-2353	1	Bracket-Muffler Mount, LH
6	116-2354	1	Bracket-Muffler Mount, RH
7	104-7658	2	Spacer
8	3234-29	2	Screw-HH Flg 5/16-18 X 1
9	32128-25	2	Nut-Hex 5/16-18 Side Lock
10	33114-016	5	Screw-HH M8-1.25 X 16Mm
11	3253-4	4	Washer-Lock 5/16
12	107-4136	1	Washer
13	1-603610	1	Washer-Spring Disc 7/16
14	3212-6	1	Screw-HH 7/16-20 X 1 1/2▲
15	32144-70	1	Screw-HWH 5/16-18 X 3/4 Tf
16	33094-00	1	Washer
17	98-5975	4	Washer-Spring Disc 3/8
18	323-7	4	Screw-HH 3/8-16 X 1 1/4
19	3290-378	1	Tie-Cable
20	1-653313	2	Gasket-Exhaust
21	1-807259	1	Key-Machine 1/4 X 1/4 X 1
22	116-3882	1	Pulley
25	116-8517	1	Clutch-200 Ft-Lb, 1.125 Bore - No D Driv
32	116-4924	1	Asm-Hose Oil Drain W/Plug
32:1	353-508	1	Plug-W/O-Ring
32:1:1	237-42	1	O-Ring
33	116-3811-01	1	Bracket-Anchor, Clutch
35	2412-147	1	Clamp
36	3231-22	1	Bolt-Carriage 3/8-16 X 1
37	104-8301	1	Nut-Nyloc 3/8-16 Flg

● Not serviced separately

■ Obtain parts from www.kawpowerepc.com

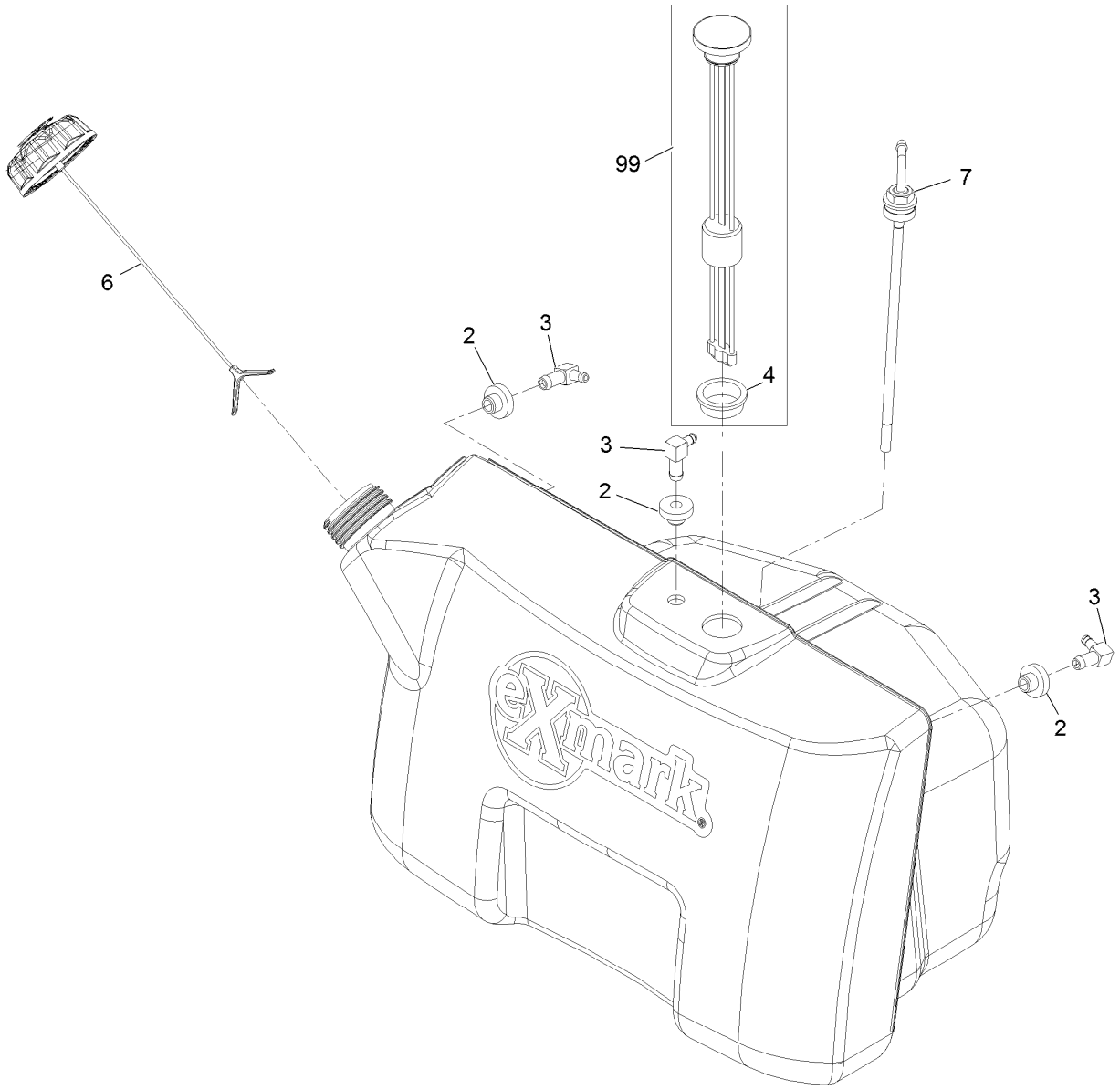
▲ Use Pro-Lock, Nut Type (P/N 1-840022, .5ml tube) on threads.



Fuel Tank Mounting Assembly

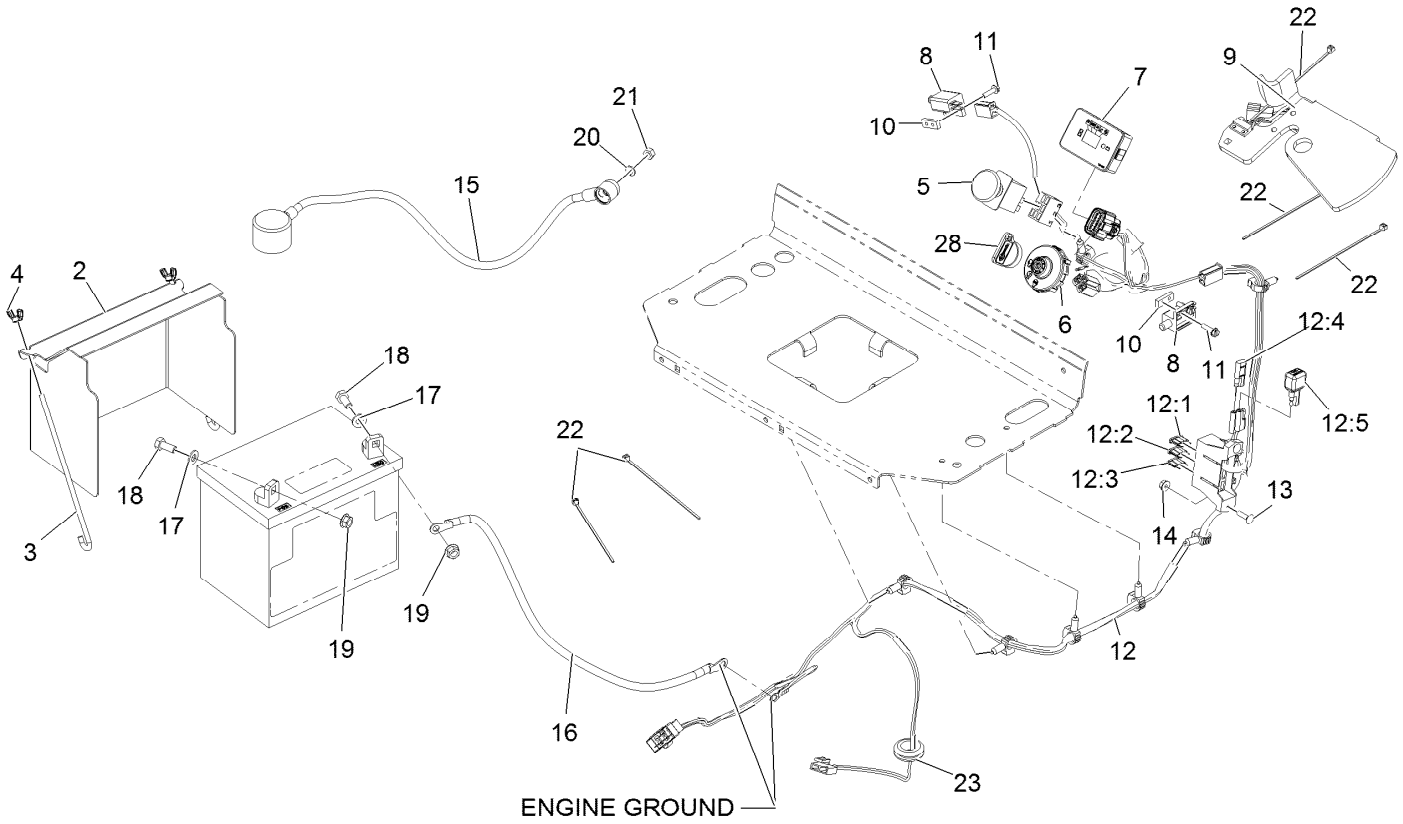
Ref.	Part Number	Qty.	Description
1	116-4577	1	Tank ASM- Exmark
2	116-5170	1	Vent ASM
5	107-9297	1	Hose-Fuel
6	1-603770	1	Valve-Fuel
7	109-0301	1	Hose-Fuel
8	1-303287	1	Tie-Cable 5 1/2 (Small)
9	2412-98	10	Clamp-Hose
10	112-7069	1	Grommet
11	116-3088	1	Bracket-Tank
11:2	116-3290	1	Decal-Fill, Fuel
12	32144-70	4	Screw-HWH 5/16-18 X 3/4 Tf
13	117-2781	1	Grommet
14	32180-040	2	Clip-Harness

Ref.	Part Number	Qty.	Description
15	117-1221	1	Canister-Carbon, 800Cc
16	104-8300	2	Nut-Nyloc 5/16-18 Flg
17	63-9720	1	Hose-Fuel
18	116-2232	1	Valve-Control, Vacuum
19	119-8502	1	Hose-Vent, Formed
20	119-8501	1	Hose-Vent, Formed
21	116-2469	1	Strap-Velcro, Cable Tie
22	104-7201	2	Nut-Nyloc 1/4-20 Flg
23	114-0292	1	Bracket-Canister, Carbon
24	116-5600-03	1	Bracket-Canister Mounting
25	116-5611	2	Bolt-Carriage 1/4-20 X 1/2 Short Neck
26	3290-378	3	Tie-Cable



Fuel Tank Assembly No. 116-4577

Ref.	*Part Number*	*Qty.*	*Description*
2	46-6560	3	Bushing
3	1-643172	3	Elbow-90 DEG
4	95-8972	1	Grommet
6	116-1704	1	Cap-Fuel, Ratcheting
7	116-3408	1	Fitting-Fuel, Bulkhead
99	116-7264	1	Kit, Vantage Fuel Gage Replacement



Electrical Assembly

Ref.	Part Number	Qty.	Description
2	117-0543-01	1	Cover-Battery
3	1-633651	2	Bolt-Holddown
4	1-543792	2	Wingnut-Nyloc 1/4-20
5	114-0279	1	Switch-PTO
6	117-2222	1	Switch-Ignition
7	117-3886	1	Module-Hour Meter
8	1-513152	2	Switch-N.C.
9	116-2833	1	Harness-Switch, Reed
10	1-633181	2	Plate-Tapped
11	32105-13	4	Screw-HWH #10-24 X 3/4
12	116-4615	1	Harness-Wire ●
12:1	109103	1	Fuse-Blade, 30 Amp
12:2	109102	1	Fuse-Blade, 25 Amp
12:3	218-578	1	Fuse-Blade, 10 Amp

Ref.	Part Number	Qty.	Description
12:4	116-0053	1	Cap-Plug
12:5	103-3895	1	Diode-Tvs
13	3229-20	2	Screw-CARR
14	3290-148	2	Nut-Whizlock #10-24
15	115-3864	1	Cable-Battery, Positive
16	105-0836	1	Cable-Battery, Black
17	3256-23	2	Washer-5/16 Sae
18	322-3	2	Screw-HH 5/16-18 X 3/4
19	109-5715	2	Nut-Hex Flange 5/16-18
20	3253-3	1	Washer-Lock 1/4
21	3217-5	1	Nut-Hex 1/4-20
22	1-303287	5	Tie-Cable 5 1/2 (Small)
23	117-2781	1	Grommet
28	103-2106	1	Key-Exmark Logo

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

Notes:

Notes:

EXMARK® MAINTENANCE

MAXIMIZE THE PERFORMANCE OF YOUR EXMARK.

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.

Gas & Diesel compatible.

Anti-corrosion additives.

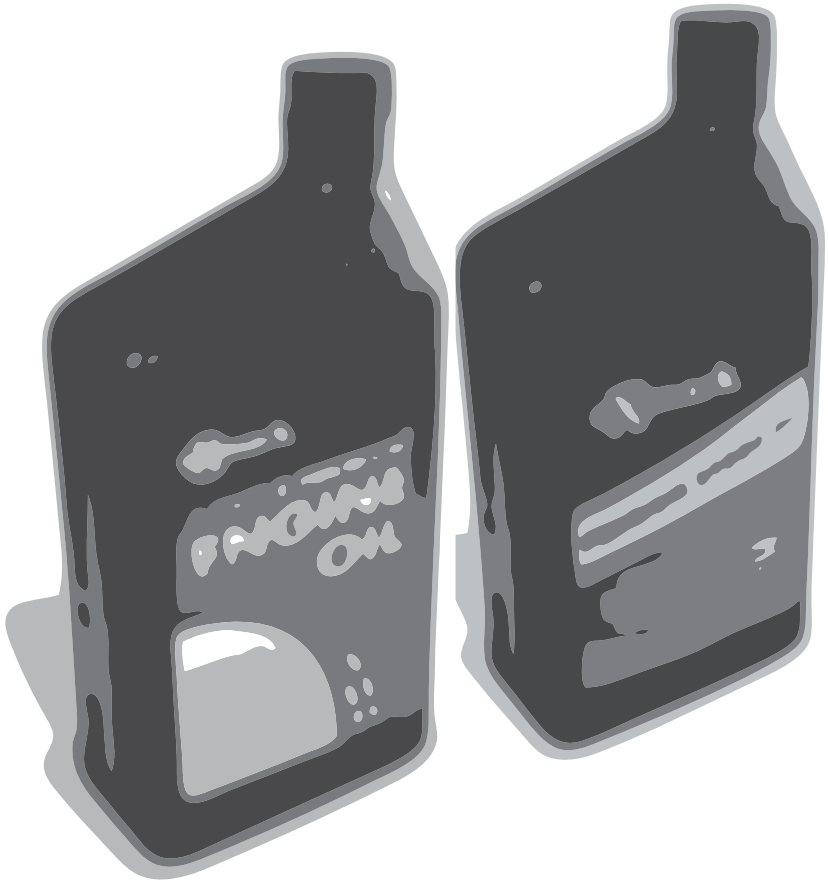
API 'SL' and JASO rated with wet clutch compatibility for other machines.

PREMIUM HYDRO OIL
Part No. 109-9828

Commercial quality for tough, high-heat conditions.

Designed specifically for zero-turn mower hydraulic systems.

Superior shear resistance under heavy loads.



Available from your local Exmark dealer. Find your closest dealer at exmark.com

EXMARK ACCESSORIES AND OPTIONS*

MID-MOUNT RIDING ACCESSORIES AND OPTIONS

CUSTOM RIDE SEAT SUSPENSION SYSTEM
FULL SUSPENSION SEAT
DECK LIFT ASSIST KIT
HITCH KIT
LIGHT KIT
12V POWER PORT
MICRO-MULCH SYSTEM
OPERATOR CONTROLLED DISCHARGE
SUN SHADE
TRASH CONTAINER
TURF STRIPER
ULTRA VAC COLLECTION SYSTEM
ULTRA VAC QUICK DISPOSAL SYSTEM

OUT-FRONT RIDING ACCESSORIES AND OPTIONS

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

WALK-BEHIND ACCESSORIES AND OPTIONS

GRASS CATCHER
MICRO-MULCH SYSTEM
TURF STRIPER
STANDON

*Some accessories and options not available for some models.

Place Model No. and Serial No. Label Here (Included in the Literature Pack) or Fill in Below

Model No. _____

Serial No. _____

Date Purchased _____

Engine Model No. and Spec. No. _____

Engine Serial No. (E/No) _____

© 2013 Exmark Mfg. Co., Inc.
All Rights Reserved

Industrial Park Box 808
Beatrice, NE 68310
(402) 223-6300
Fax (402) 223-5489

Part No. 4501-448 Rev. A
Printed in the USA.

www.exmark.com