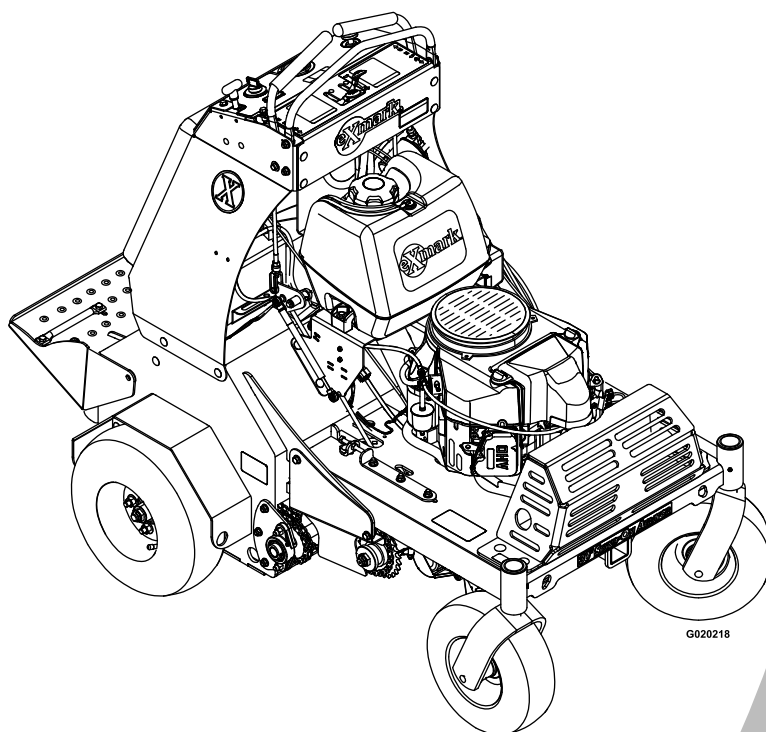




STAND-ON AERATOR

Model No. SAR481KA30—Serial No. 314000000 and Up

Picture below may not reflect actual product.



Parts Manual

Part No. 4501-858 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.

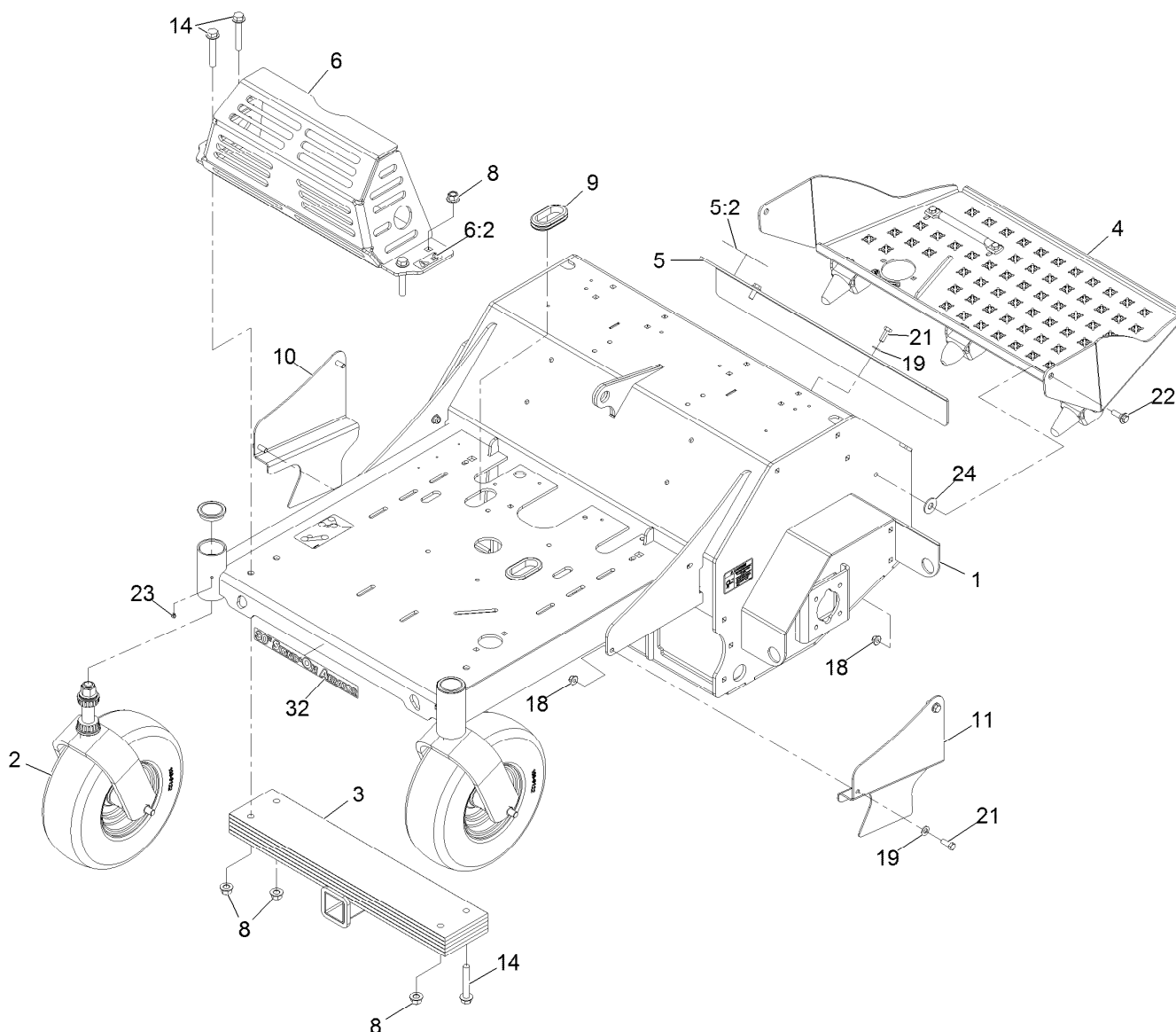
Exmark red touch up paint (spray paint – P/N 1-850337 - .6 oz liquid bottle – P/N 103-9140).



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.)

Contents

Main Frame Assembly	4
Main Frame W//Decals Assembly No. 116-8134	5
Caster Wheel and Fork Assembly	6
Platform W/Decal and Rocker Assembly	7
Tower Assembly	8
Motion Control Assembly	9
Ground Drive Assembly	10
RH Transaxle No. 116-9712	12
LH Transaxle No. 116-9713	14
Axle and Bearing Assembly No. 116-9545	16
Idler Arm Assembly No. 116-9307	17
Auxiliary Hydraulic Assembly	18
Manifold W/Check and Relief Valve Assembly No. 116-9549	20
Tine Assembly	21
RH Tine Wheel Assembly No. 116-6738	22
LH Tine Wheel Assembly No. 116-6739	23
Fuel Assembly	24
Engine Assembly	25
Electrical Assembly	26

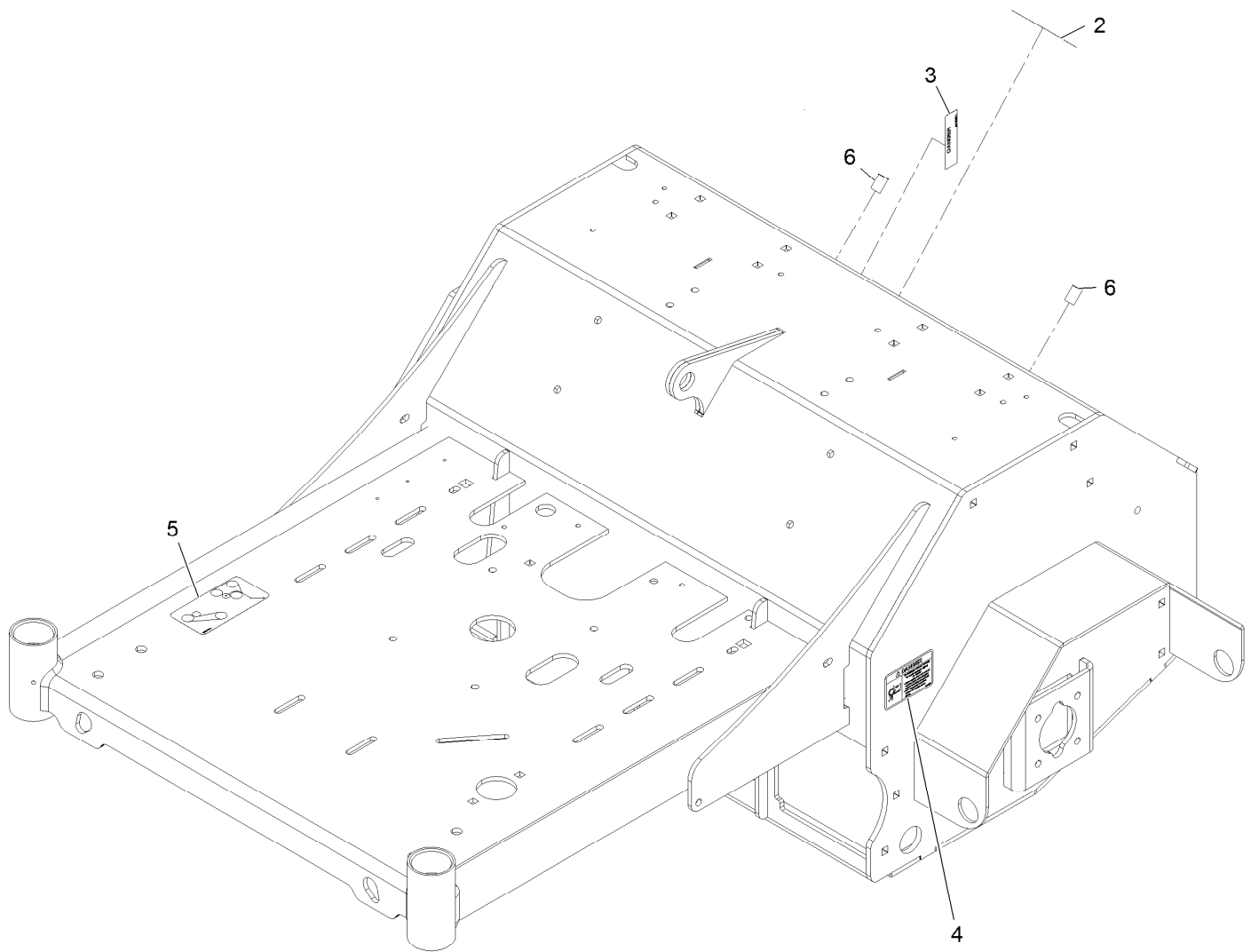


Main Frame Assembly

Ref.	Part Number	Qty.	Description
1	116-8134	1	Frame-Main ASM W/Decals
2		2	Front Caster ASM W/Fork ●
3	116-6536-01	1	Weight
4	116-9134	1	Platform ASM W/Decal & Rocker
5	116-6939	1	Access Cover ASM
5:2	116-6459	1	Decal-Tine Ground Operation
6	116-8258	1	Muffler Guard ASM
6:2	115-2047	2	Decal-Surface, Hot
8	99-5107	4	Nut-Lock 1/2-13
9	126-0015	2	Grommet

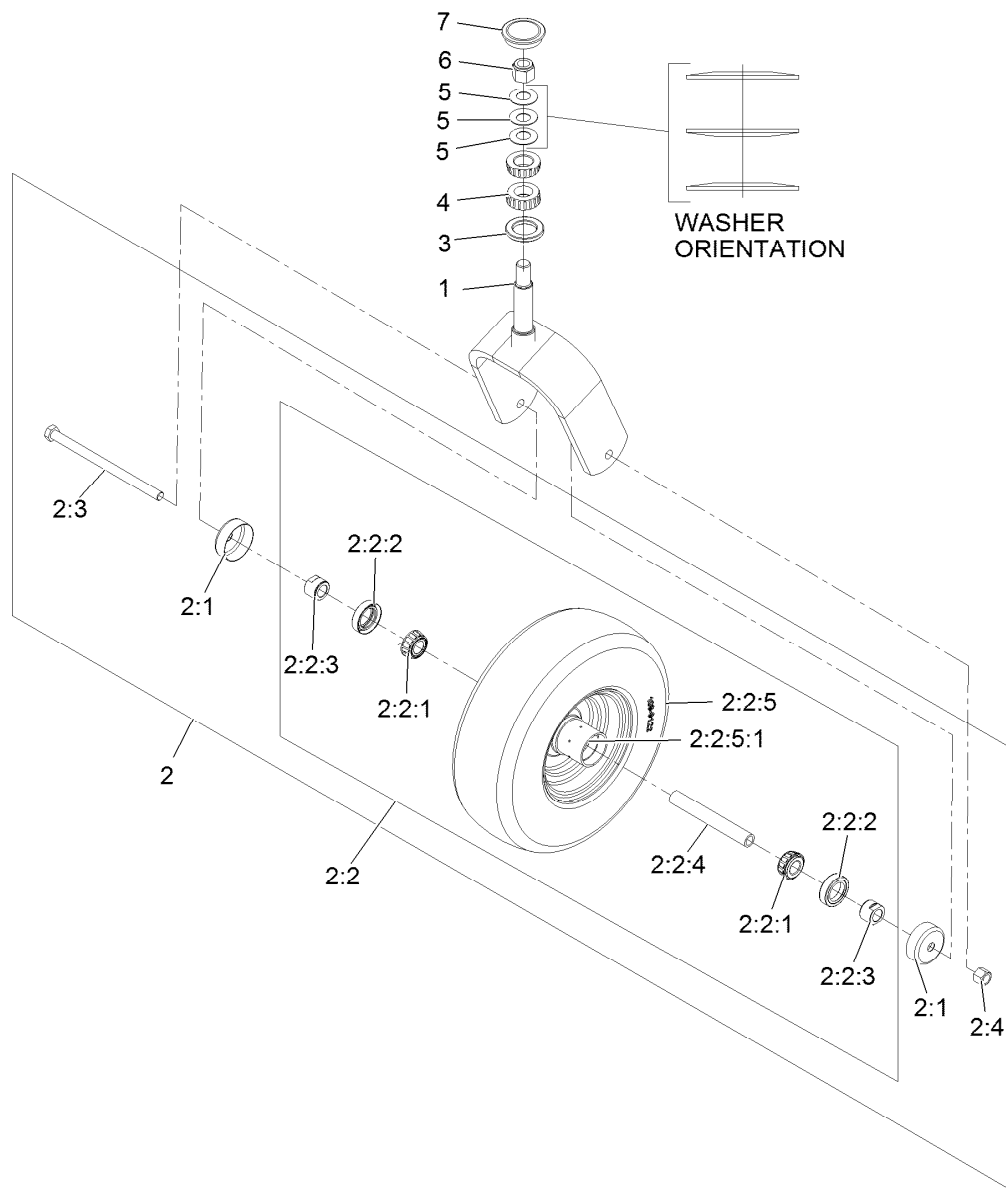
Ref.	Part Number	Qty.	Description
10	116-6612-01	1	Guard-Chain, RH
11	116-6611-01	1	Guard-Chain, LH
14	3234-40	4	Screw-HF
18	104-8301	6	Nut-Nyloc 3/8-16 Flg
19	3256-24	6	Washer-3/8 Sae
21	323-6	6	Screw-HH 3/8-16 X 1
22	614672	2	Screw-Shoulder 3/8-16 X 1.295
23	1-811010	2	Plug
24	3256-6	2	Washer
32	116-6952	1	Decal-Stand-On Aerator 30

● Not serviced separately



Main Frame W//Decals Assembly No. 116-8134

Ref.	Part Number	Qty.	Description
2	116-6455	1	Decal-Danger Rotating Tines
3	98-5954	1	Decal-Missing Cover
4	116-6456	2	Decal-Danger Chain Drive
5	116-9391	1	Decal-Belt Routing
6	32148-10	2	Insert-Nut



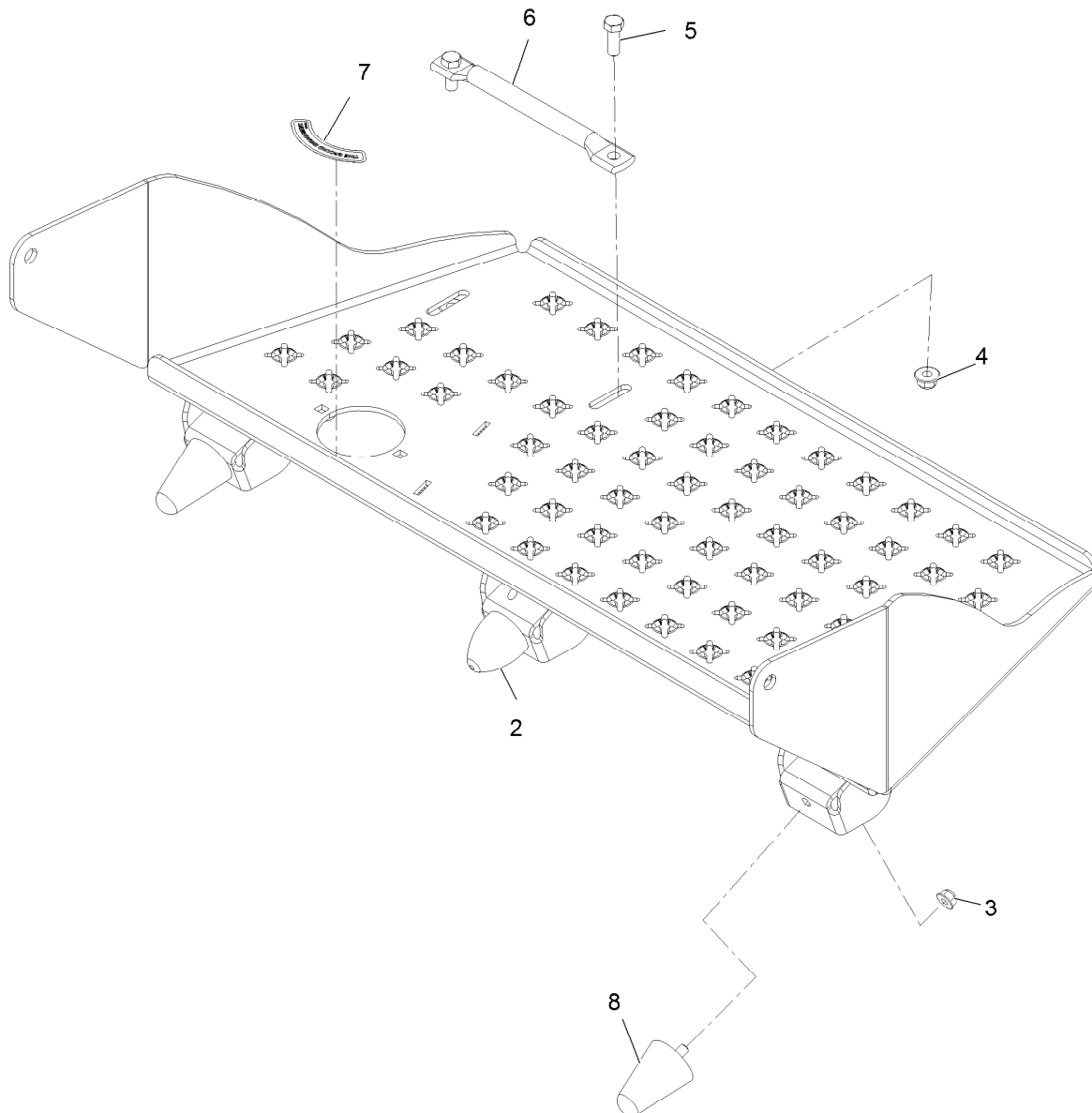
Caster Wheel and Fork Assembly

Ref.	Part Number	Qty.	Description
1	116-6704-01	1	Caster
2	109-9126	1	Wheel And Tire ASM
2:1	103-2768	2	Guard-Seal
2:2		1	Wheel And Tire ASM ●
2:2:1	1-633585	2	Bearing-Cone Tapered Roller
2:2:2	103-0063	2	Seal-Double Lip
2:2:3	103-3051	2	Spacer-Nut ■
2:2:4	103-3155	1	Axle-Caster
2:2:5		1	Wheel And Tire ASM ●

Ref.	Part Number	Qty.	Description
2:2:5:1	1-633584	1	Bearing-Cup
2:3	325-42	1	Screw-HH 1/2-13 X 8
2:4	3296-23	1	Nut-Nyloc 1/2-13
3	116-5647	1	Seal-Grease
4	1-543509	2	Cone-Bearing Tapered Roller
5	1-633508	3	Washer-Spring Disc
6	3296-51	1	Nut-Nyloc 3/4-10
7	103-4882	1	Cap-Grease

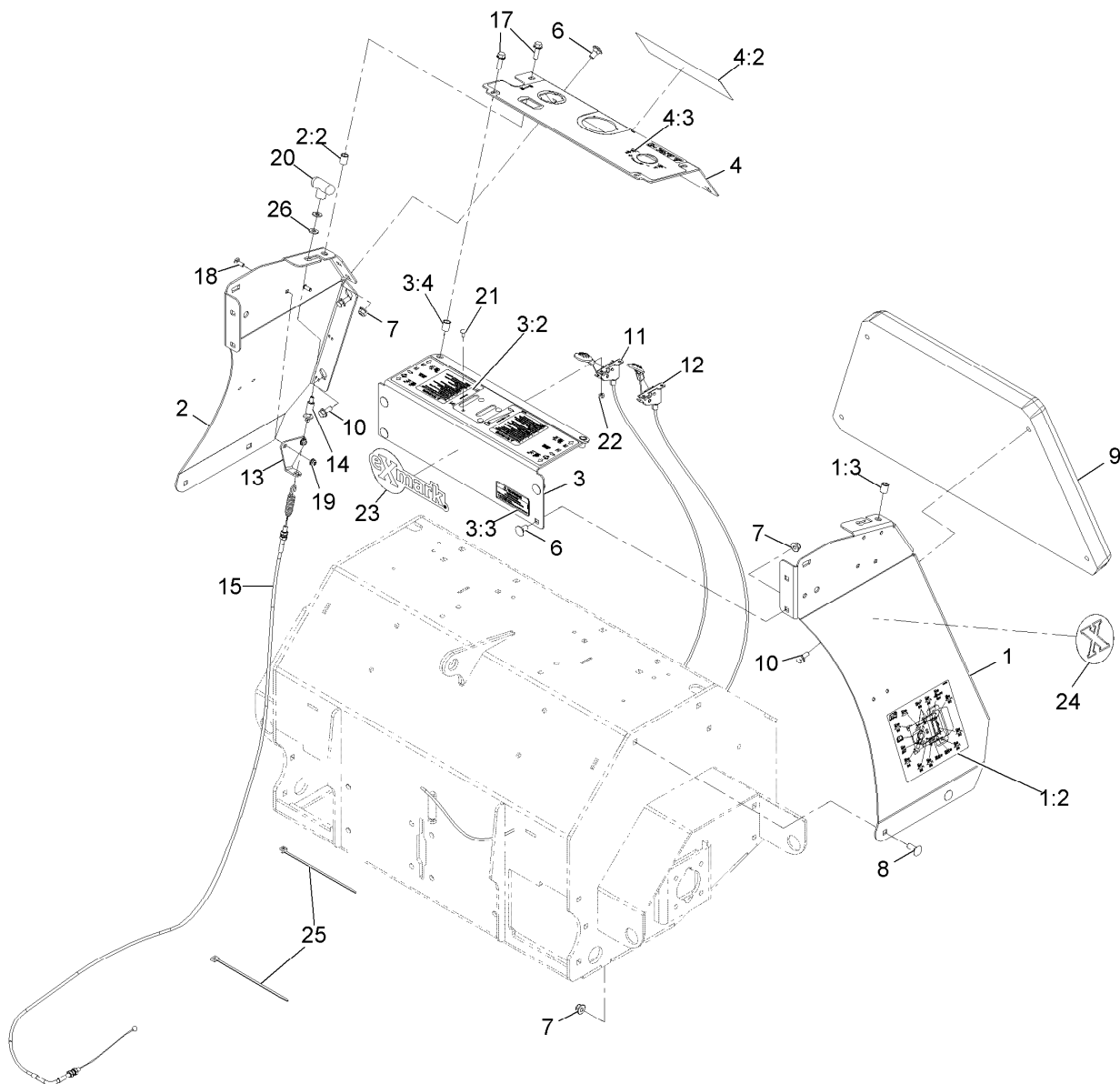
● Not serviced separately

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



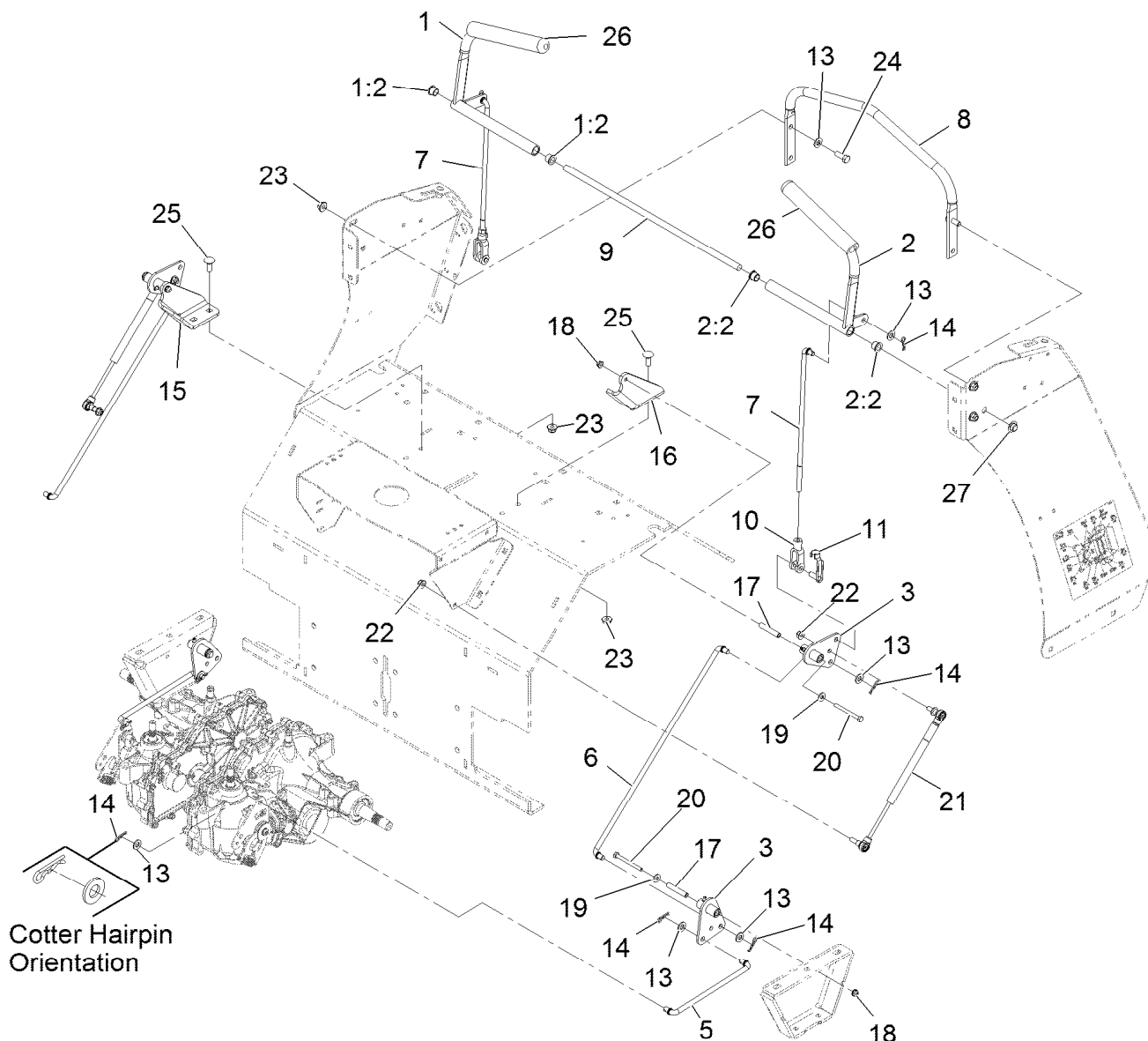
Platform W/Decal and Rocker Assembly

Ref.	Part Number	Qty.	Description
2	114-1926	1	Bumper-Rubber
3	104-8300	3	Nut-Nyloc 5/16-18 Flg
4	104-8301	2	Nut-Nyloc 3/8-16 Flg
5	323-6	2	Screw-HH 3/8-16 X 1
6	116-8950-03	1	Rocker-Foot Pedal
7	116-6460	1	Decal-Tine Ground Engagement
8	114-1925	2	Bumper-Rubber



Tower Assembly

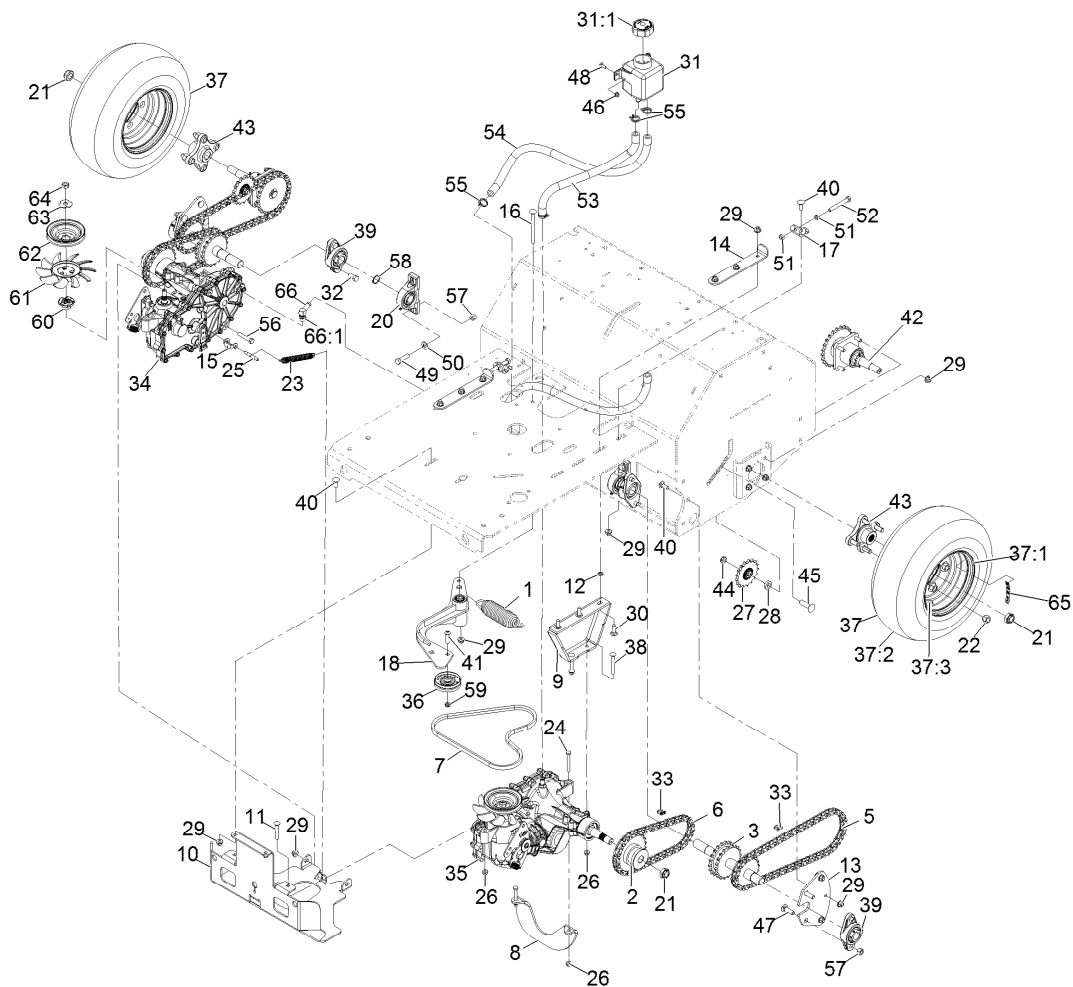
Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	116-9386	1	Panel-Side,LH W/Decals-Black	9	116-6765	1	Cushion, Grey
1:2	116-9392	1	Decal-Service Aid Ce	10	3234-5	4	Screw-HH Flg 5/16-18 X 3/4
1:3	32148-7	1	Nut-Insert	11	109-9147	1	Control-Choke
2	116-7658	1	ASM-Panel,Side RH (Black)	12	109-3958	1	Control-Throttle
2:2	32148-7	1	Nut-Insert	13	116-6630	1	Bracket-Cable, Brake
3	116-6783	1	ASM-Plate W/Decal	14	116-7504	1	Link-Cable, Brake
3:2	116-7027	1	Decal-Control Panel Warning	15	116-7503	1	Cable-Brake
3:3	116-6457	1	Decal-Warning Stored Energy	17	3234-29	4	Screw-HH Flg 5/16-18 X 1
3:4	32148-7	2	Nut-Insert	18	3229-1	2	Bolt-Carriage 1/4-20 X 3/4
4	116-9141	1	ASM-Console W/Decal	19	104-7201	2	Nut-Nyloc 1/4-20 Flg
4:2	116-7029	1	Decal-Slope Warning	20	116-7607	1	Knob-Tee
4:3	116-9132	1	Decal-Danger, Control Panel	21	1-807513	4	Bolt-Carriage #10-24 X 1/2
6	3231-1	6	Bolt-Carriage 3/8-16 X 3/4	22	3296-2	4	Nut-Nyloc #10-24
7	104-8301	10	Nut-Nyloc 3/8-16 Flg	23	103-2882	1	Decal, Exmark Logo
8	3231-2	4	Bolt-Carriage 3/8-16 X 1	24	116-7034	2	Decal-Exmark X-Logo 3.85
				25	1-303335	2	Tie-Cable 7 15/16 (Large)
				26	3256-2	2	Washer-1/4 Std



Motion Control Assembly

Ref.	Part Number	Qty.	Description
1	116-6567	1	RH Control Handle ASM
1:2	116-4279	2	Bearing-Flange
2	116-6566	1	LH Control Handle ASM
2:2	116-4279	2	Bearing-Flange
3	126-0340	4	Bellcrank W/Zerk
5	116-6722	2	Link-Control, Hydro
6	116-9298	2	Link-Control, Bell Crank
7	116-6730	2	Link-Control, Bell Crank
8	116-6608-03	1	Bar-Reference
9	116-6607	1	Shaft-Pivot, Control
10	1-633131	2	Yoke-Linkage, Brake
11	103-2399	2	Pin-Clevis Spring 3/8
13	3256-24	14	Washer-3/8 Sae
14	1-806003	10	Hairpin-Cotter

Ref.	Part Number	Qty.	Description
15	116-6576-03	1	Bracket-Pivot, RH
16	116-6577-03	1	Bracket-Pivot, LH
17	116-7224	4	Spacer
18	104-7201	4	Nut-Nyloc 1/4-20 Flg
19	3256-2	4	Washer-1/4 Std
20	321-14	4	Screw-HH 1/4-20 X 2 3/4
21	116-0027	2	Damper-Control, Motion
22	104-8300	4	Nut-Nyloc 5/16-18 Flg
23	104-8301	8	Nut-Nyloc 3/8-16 Flg
24	323-6	4	Screw-HH 3/8-16 X 1
25	3231-2	4	Bolt-Carriage 3/8-16 X 1
26	103-8153	2	Grip-Lever, Control
27	32112-14	2	Nut-Push



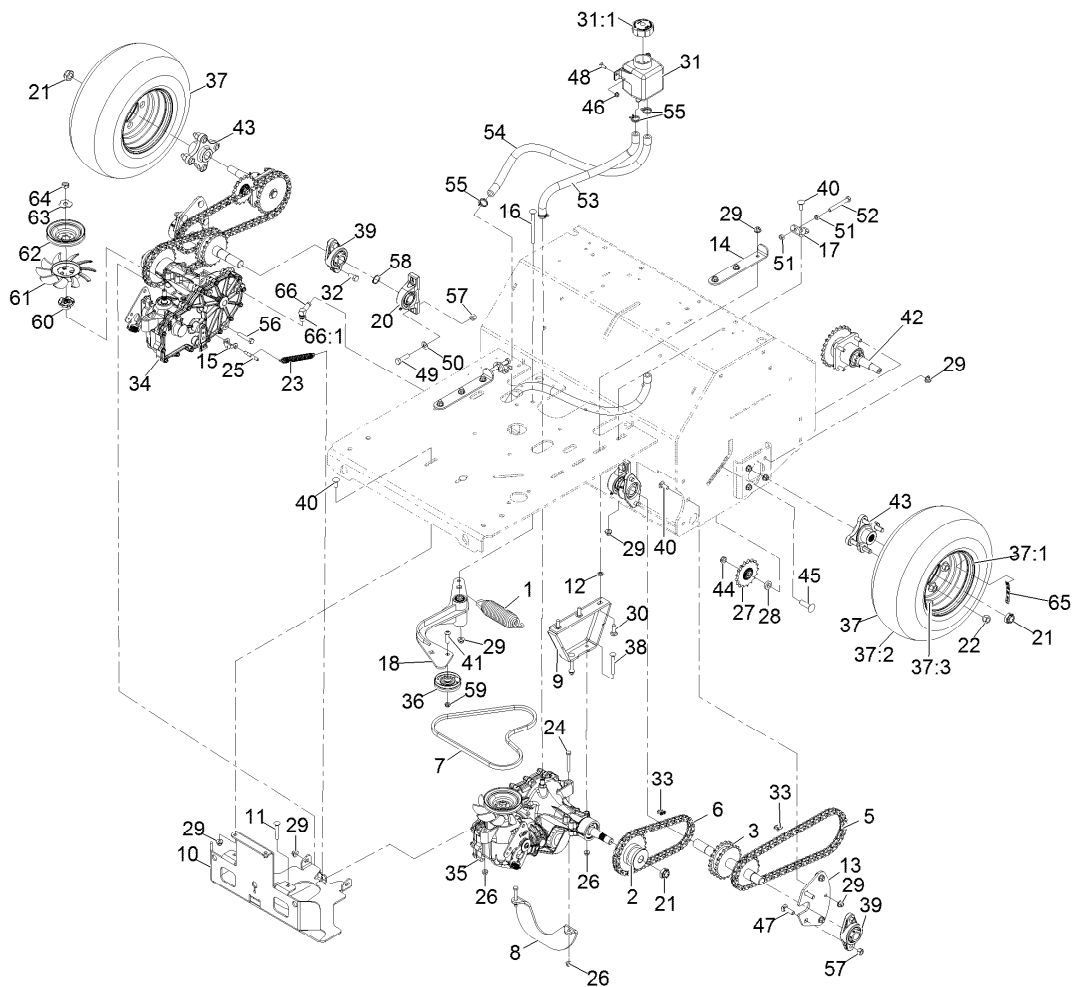
Ground Drive Assembly

Ref.	Part Number	Qty.	Description
1	116-6317	1	Spring-Extension
2	116-9305	2	Hub-Drive, Chain
3	116-9684	2	Jackshaft
5	116-6895	2	Chain-Roller, #50
6	116-6896	2	Link-#50 Roller Chain, 47
7	116-8874	1	Belt-4L Section
8	116-9127-03	1	Angle Brace
9	116-9710-03	2	Mount-Transmission
10	116-9711-03	1	Guard-Transmission
11	3230-7	2	Bolt-Carriage 5/16-18 X 2 1/4
12	107-3154	6	Nut-Push 3/8-16
13	116-6596-01	2	Plate-Jackshaft
14	116-6619	2	Plate-Adjustment, Transmission
15	116-7597	1	Yoke-Park Brake
16	9000779	1	Bolt 3/8-16 X 4 1/2
17	116-6723	2	Bracket-Hydro, Adjust
18	116-9307	1	Idler Arm ASM
20	116-6756	2	Bearing-Pillow Block
21	116-2839	4	Nut-Lock
22	242-50	8	Nut-Lug 1/2-20
23	76-4660	1	Spring-Door
24	322-12	2	Screw-HH 5/16-18 X 2 1/2
25	116-7596	1	Pin-Brake, Park
26	104-8300	8	Nut-Nyloc 5/16-18 Flg

Ref.	Part Number	Qty.	Description
27	116-6719	2	Sprocket-Idler, 17T
28	104-8417	2	Washer
29	104-8301	27	Nut-Nyloc 3/8-16 Flg
30	3231-25	6	Bolt-Carriage 3/8-16 X 1 1/4
31	109-2250	1	Vent-Tank, Hydro
31:1	109-3320	1	Cap-Reservoir, HYD
32	116-7109	4	Screw-HH
33	116-6897	4	Link-Connecting, #50
34	116-9712	1	RH Transaxle ASM (No Fan)
35	116-9713	1	LH Transaxle ASM (No Fan)
36	116-9715	1	Pulley-Idler
37	116-6932	2	Tire ASM (16 X 6.50-8)
37:1	116-6977	1	Rim (8 X 5.375)
37:2	116-6978	1	Tire (16 X 6.50-8, 4 Ply)
37:3	232-27	1	Stem-Valve
38	3230-9	4	Bolt-Carriage 5/16-18 X 2 3/4
39	116-6777	4	Bearing-Flange, 2 Bolt
40	3231-2	10	Bolt-Carriage 3/8-16 X 1
41	116-9927	1	Screw-HSBH
42	116-9545	2	Axle And Bearing ASM
43	116-3872	2	Hub-Offset
44	3296-45	2	Nut-Nyloc 1/2-13 Thin
45	3233-14	2	Screw-CARR
46	104-7201	2	Nut-Nyloc 1/4-20 Flg

● Not illustrated

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

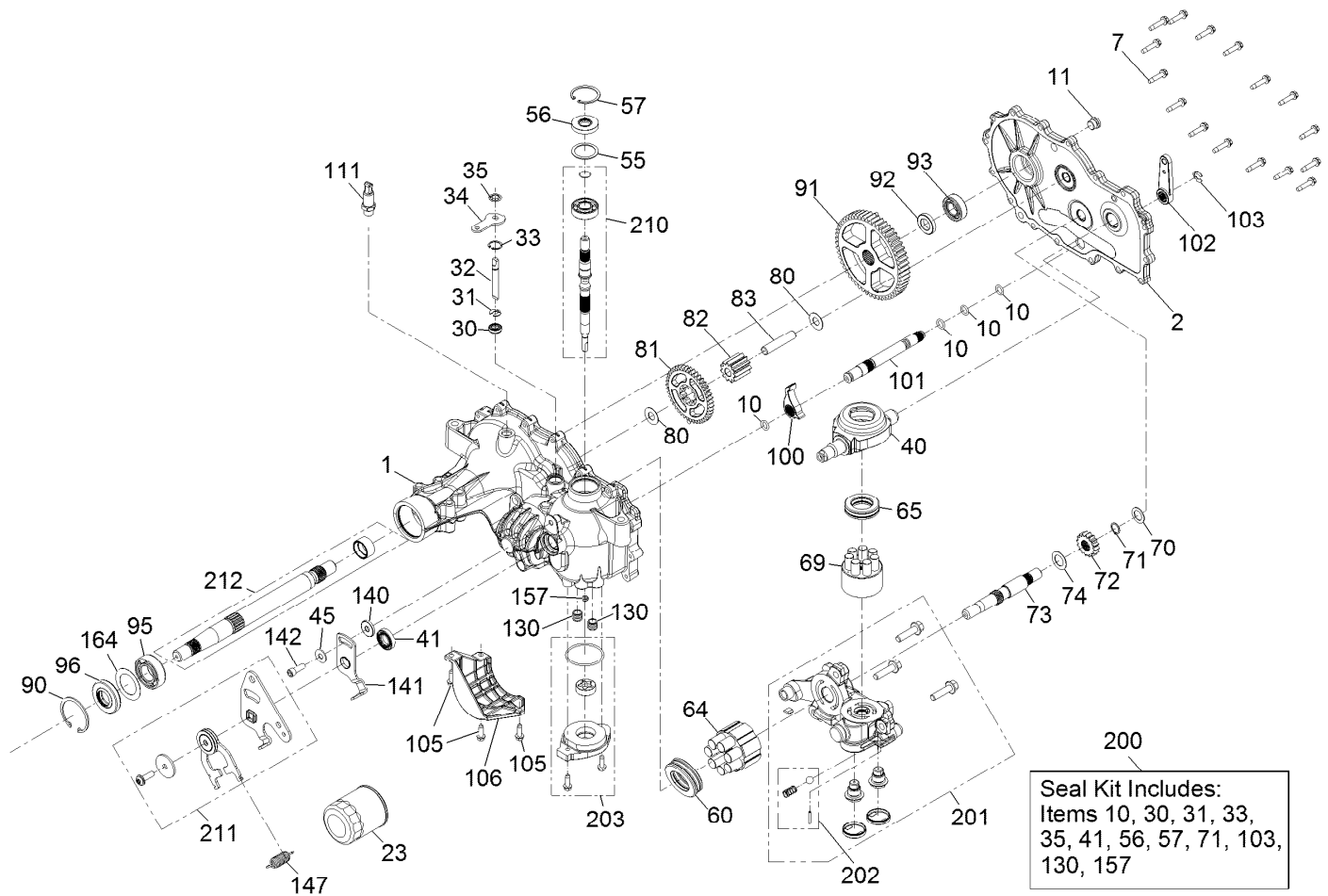


Ground Drive Assembly (continued)

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
47	3232-3	4	Bolt-Carriage 7/16-14 X 1 1/2	59	3296-59	1	Nut-Nyloc 3/8-16 Thin
48	3229-1	2	Bolt-Carriage 1/4-20 X 3/4	60	116-9705	2	Hub-Pulley
49	324-6	4	Screw-HH 7/16-14 X 1 1/2	61	116-9706	2	Fan
50	3256-25	4	Washer-7/16 Sae	62	116-9707	2	Pulley
51	3217-7	4	Nut-Hex 3/8-16	63	116-9708	2	Washer-Slotted
52	99-8664	2	Bolt-HH 3/8-16 X 3 Tap	64	116-9714	2	Nut-Jam, Hex 1/2-20 W/Patch ■
53	116-6775	1	Hose-Hydraulic	65	126-2054	2	Decal-Torque Wheel Lug-Hub
54	116-6776	1	Hose-Hydraulic	66	109-6449	1	Fitting-Elbow, 90
55	109-3322	4	Clamp-Hose	66:1	237-42	1	O-Ring
56	323-10	2	Screw-HH 3/8-16 X 2	99	109-9828	1	Bottle-Oil, 32Oz Hydraulic ●
57	3296-48	8	Nut-Nyloc 7/16-14				
58	32151-29	2	Ring-Retaining				

● Not illustrated

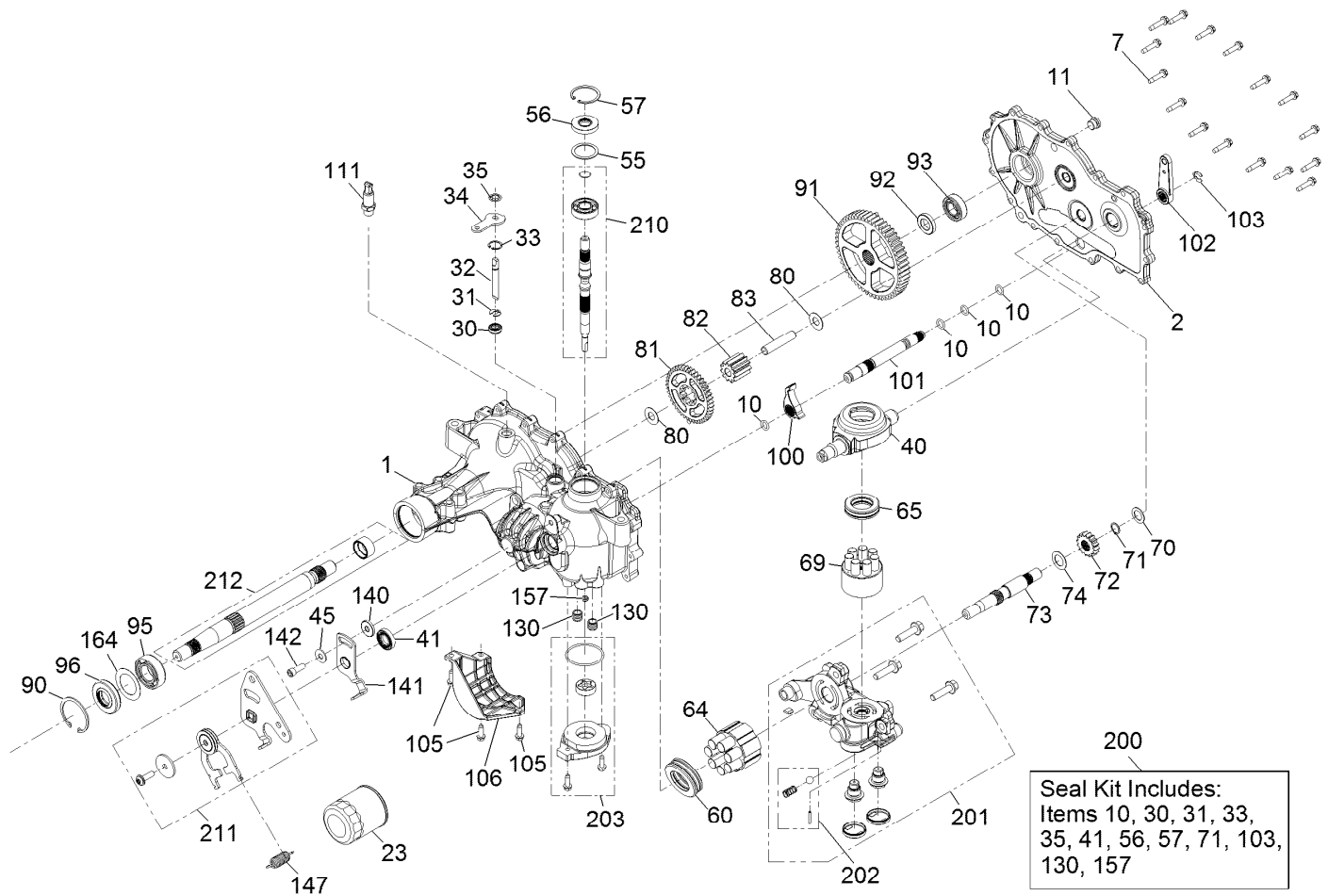
■ Use Pro-Lock, Nut Type (P/N 1-840022, .5ml tube) on threads.



RH Transaxle No. 116-9712

Ref.	Part Number	Qty.	Description
1	114-1676	1	Main Housing Kit
2	117-5358	1	Housing Side Kit
7	117-5359	16	Screw-HHF
10	114-1678	4	O-Ring
11	104-2189	1	Plug-Thread, Straight
23	109-3321	1	Filter-Hydraulic
30	106-8676	1	Seal-Lip
31	106-8677	1	Ring-Retaining, EXT
32	114-1685	1	Rod-Bypass
33	106-8679	1	Ring-Retaining, Int
34	106-8680	1	Arm-Bypass
35	106-8681	1	Ring-Retaining, EXT
40	104-5304	1	Swashplate-Trunnion
41	104-5313	1	Seal-Lip
45	114-8491	1	Washer
55	104-5308	1	Spacer
56	104-5310	1	Seal-Lip
57	104-5309	1	Ring-Retaining
60	109-2865	1	Bearing-Thrust
64	114-1689	1	Motor Cylinder Block Kit
65	94-6922	1	Bearing-Thrust

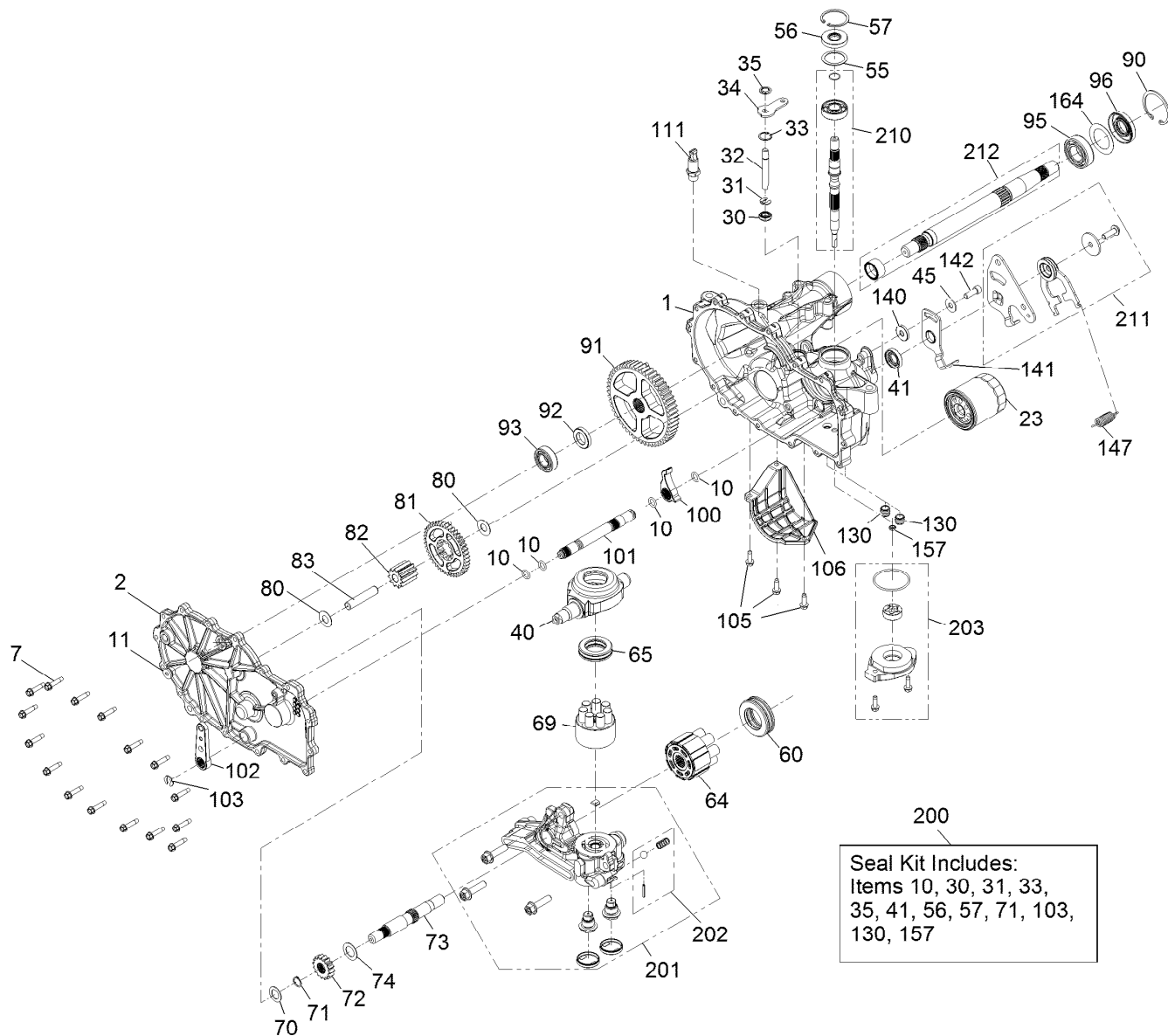
Ref.	Part Number	Qty.	Description
69	110-8561	1	Pump Block ASM
70	104-5339	1	Washer-Flat
71	104-5340	1	Ring-Retaining
72	126-0788	1	Gear-16T
73	114-1691	1	Shaft-Motor
74	104-5360	1	Washer
80	94-1933	2	Washer
81	125-0000	1	Gear-43T
82	120-7974	1	Gear-11T
83	104-5329	1	Pin-Jackshaft
90	104-2169	1	Ring-Retaining
91	114-1694	1	Gear-54T
92	120-7975	1	Spacer
93	126-0789	1	Bearing-Ball
95	120-7976	1	Bearing-Ball
96	104-2144	1	Seal
100	114-1697	1	Pawl-Brake
101	114-1698	1	Shaft-Brake, Inboard
102	125-0021	1	Handle-Brake
103	131-0906	1	Ring-Retaining, EXT
105	104-2120	3	Screw



RH Transaxle No. 116-9712 (continued)

Ref.	Part Number	Qty.	Description
106	120-7981	1	Guard-Filter, RH
111	109-3278	1	Adapter-Straight
130	126-3251	2	Tube-Charge
140	114-8458	1	Spacer
141	114-8459	1	Arm-Neutral, Right
142	106-8682	1	Screw-Sh
147	115-8307	1	Spring-Extension
157	131-0908	1	Seal-Gerotor
164	121-5745	1	Spacer

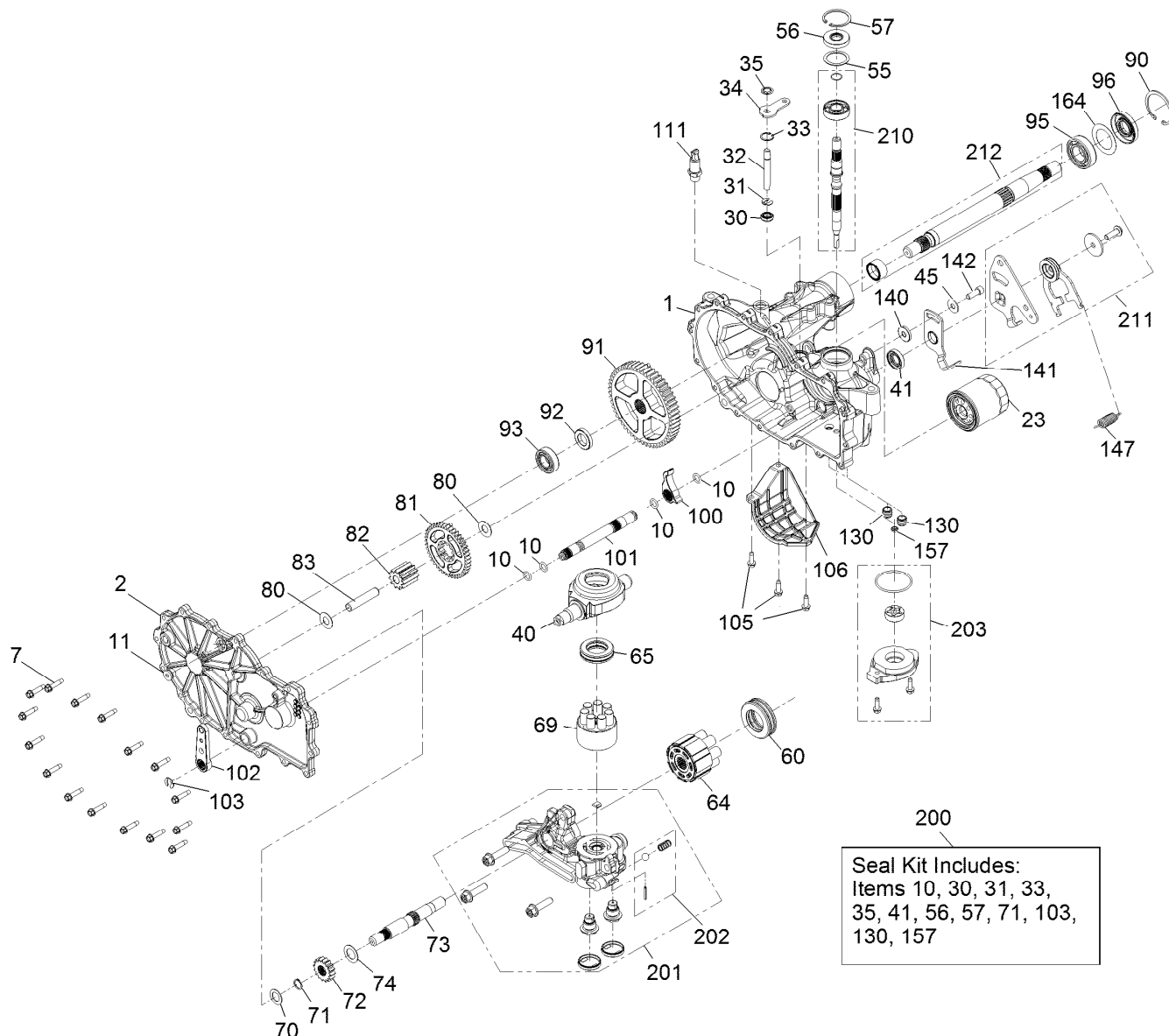
Ref.	Part Number	Qty.	Description
200	109-3537	1	Seal Kit
201	120-7982	1	RH Center Section Charge Kit
202	114-8464	1	Charge Relief Kit
203	114-8465	1	Charge Kit
210	117-5361	1	Input Shaft Kit
211	126-2291	1	Control Arm Kit
212	114-8470	1	Axle Shaft Kit



LH Transaxle No. 116-9713

Ref.	Part Number	Qty.	Description
1	114-8471	1	Main Housing Kit
2	114-8472	1	Side Cover Kit
7	117-5359	16	Screw-HHF
10	114-1678	3	O-Ring
11	104-2189	1	Plug-Thread, Straight
23	109-3321	1	Filter-Hydraulic
30	106-8676	1	Seal-Lip
31	106-8677	1	Ring-Retaining, EXT
32	114-1685	1	Rod-Bypass
33	106-8679	1	Ring-Retaining, Int
34	106-8680	1	Arm-Bypass
35	106-8681	1	Ring-Retaining, EXT
40	104-5304	1	Swashplate-Trunnion
41	104-5313	1	Seal-Lip
45	114-8491	1	Washer
55	104-5308	1	Spacer
56	104-5310	1	Seal-Lip
57	104-5309	1	Ring-Retaining
60	109-2865	1	Bearing-Thrust
64	114-1689	1	Motor Cylinder Block Kit
65	94-6922	1	Bearing-Thrust

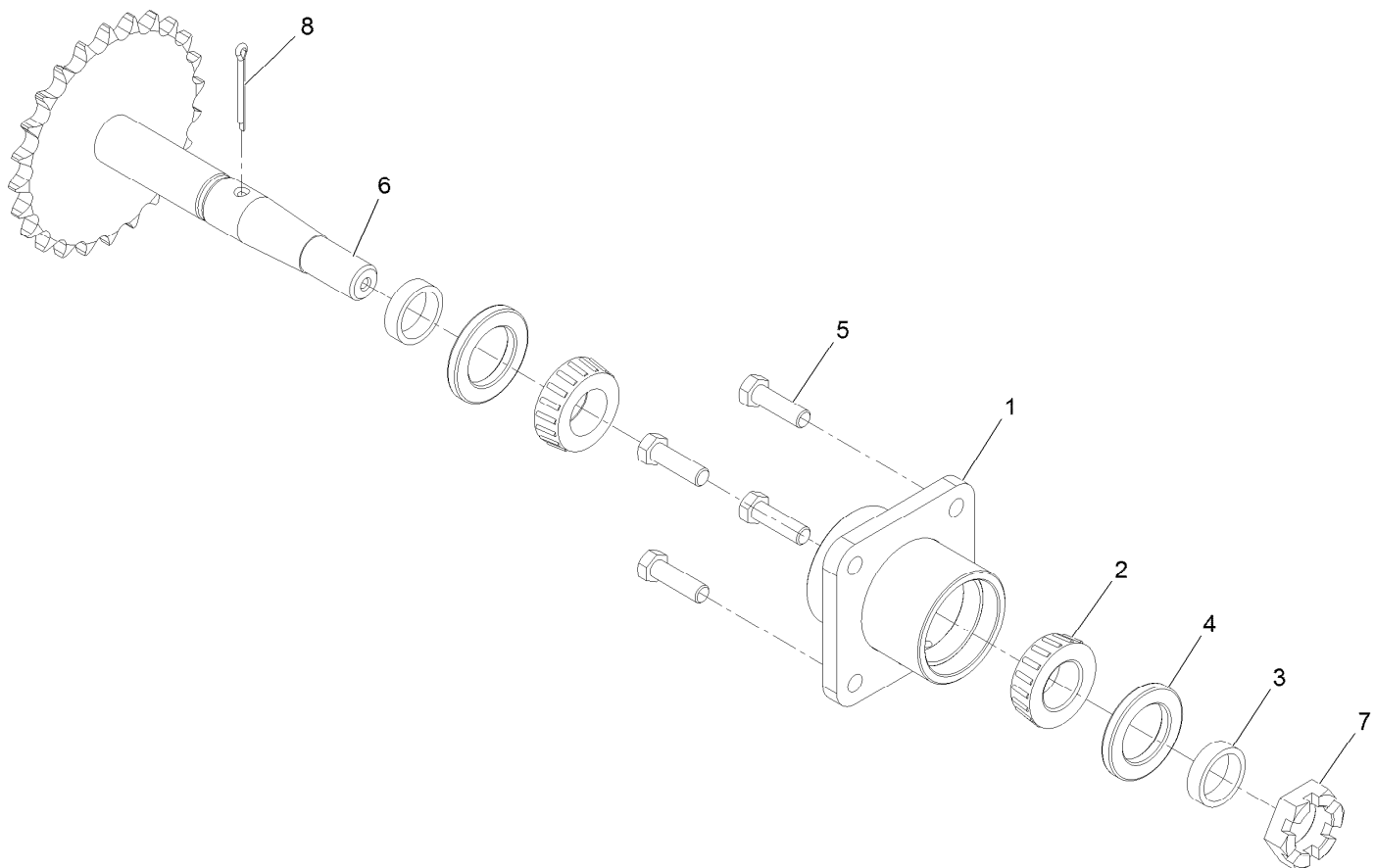
Ref.	Part Number	Qty.	Description
69	110-8561	1	Pump Block ASM
70	104-5339	1	Washer-Flat
71	104-5340	1	Ring-Retaining
72	126-0788	1	Gear-16T
73	114-1691	1	Shaft-Motor
74	104-5360	1	Washer
80	94-1933	2	Washer
81	125-0000	1	Gear-43T
82	120-7974	1	Gear-11T
83	104-5329	1	Pin-Jackshaft
90	104-2169	1	Ring-Retaining
91	114-1694	1	Gear-54T
92	120-7975	1	Spacer
93	126-0789	1	Bearing-Ball
95	120-7976	1	Bearing-Ball
96	109-3537	1	Seal Kit
100	114-1697	1	Pawl-Brake
101	114-1698	1	Shaft-Brake, Inboard
102	125-0021	1	Handle-Brake
103	103-9764	1	Clip-Retaining
105	104-2120	3	Screw



LH Transaxle No. 116-9713 (continued)

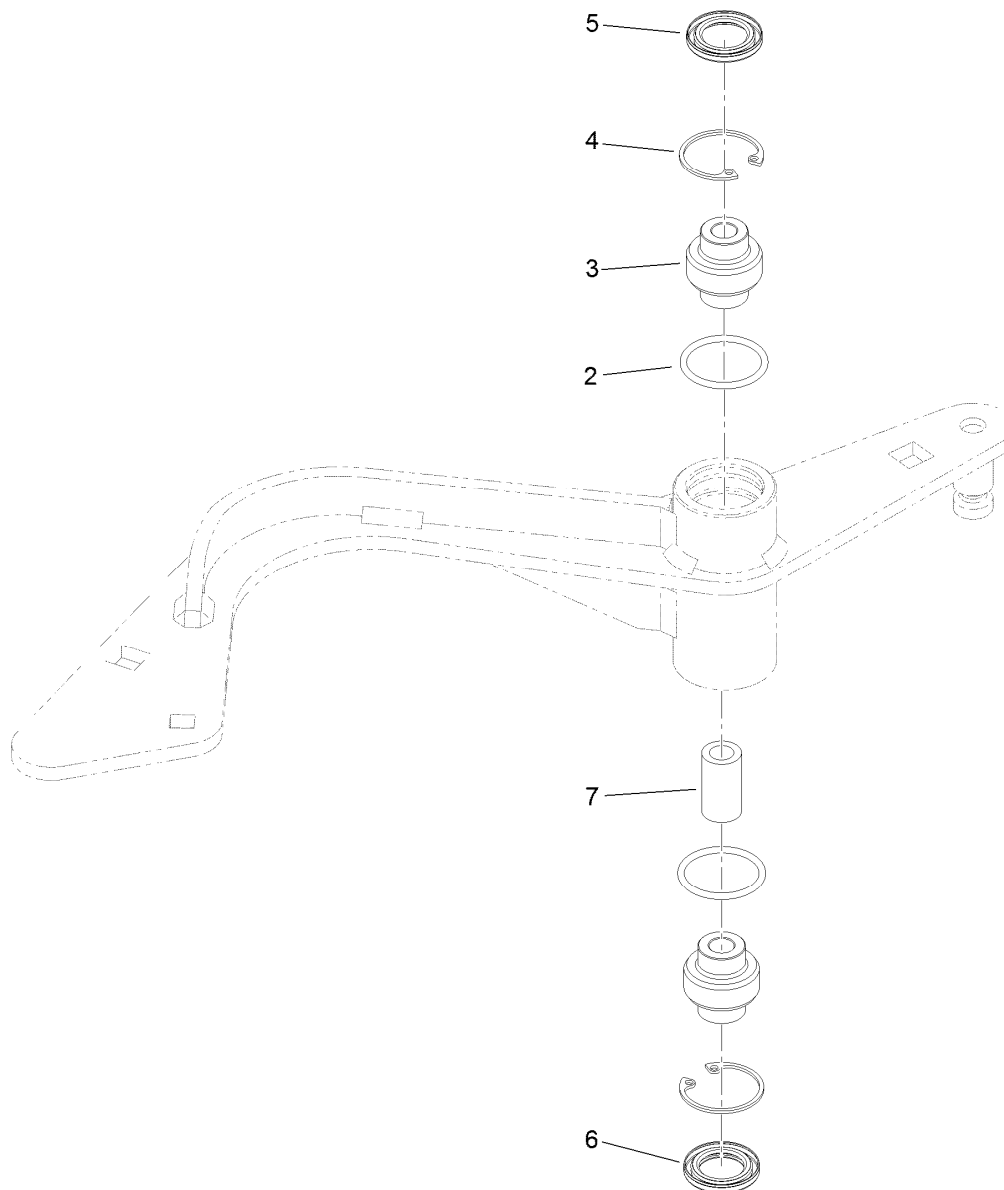
Ref.	Part Number	Qty.	Description
106	120-7981	1	Guard-Filter, RH
111	109-3278	1	Adapter-Straight
130	109-3537	2	Seal Kit
140	114-8458	1	Spacer
141	114-8474	1	Arm-Neutral, Left
142	106-8682	1	Screw-Sh
147	115-8307	1	Spring-Extension
157	109-3537	1	Seal Kit
164	121-5745	1	Spacer

Ref.	Part Number	Qty.	Description
200	109-3537	1	Seal Kit
201	120-7980	1	LH Center Section Charge Kit
202	114-8464	1	Charge Relief Kit
203	114-8465	1	Charge Kit
210	117-5361	1	Input Shaft Kit
211	126-0790	1	Control Arm Kit
212	114-8470	1	Axle Shaft Kit



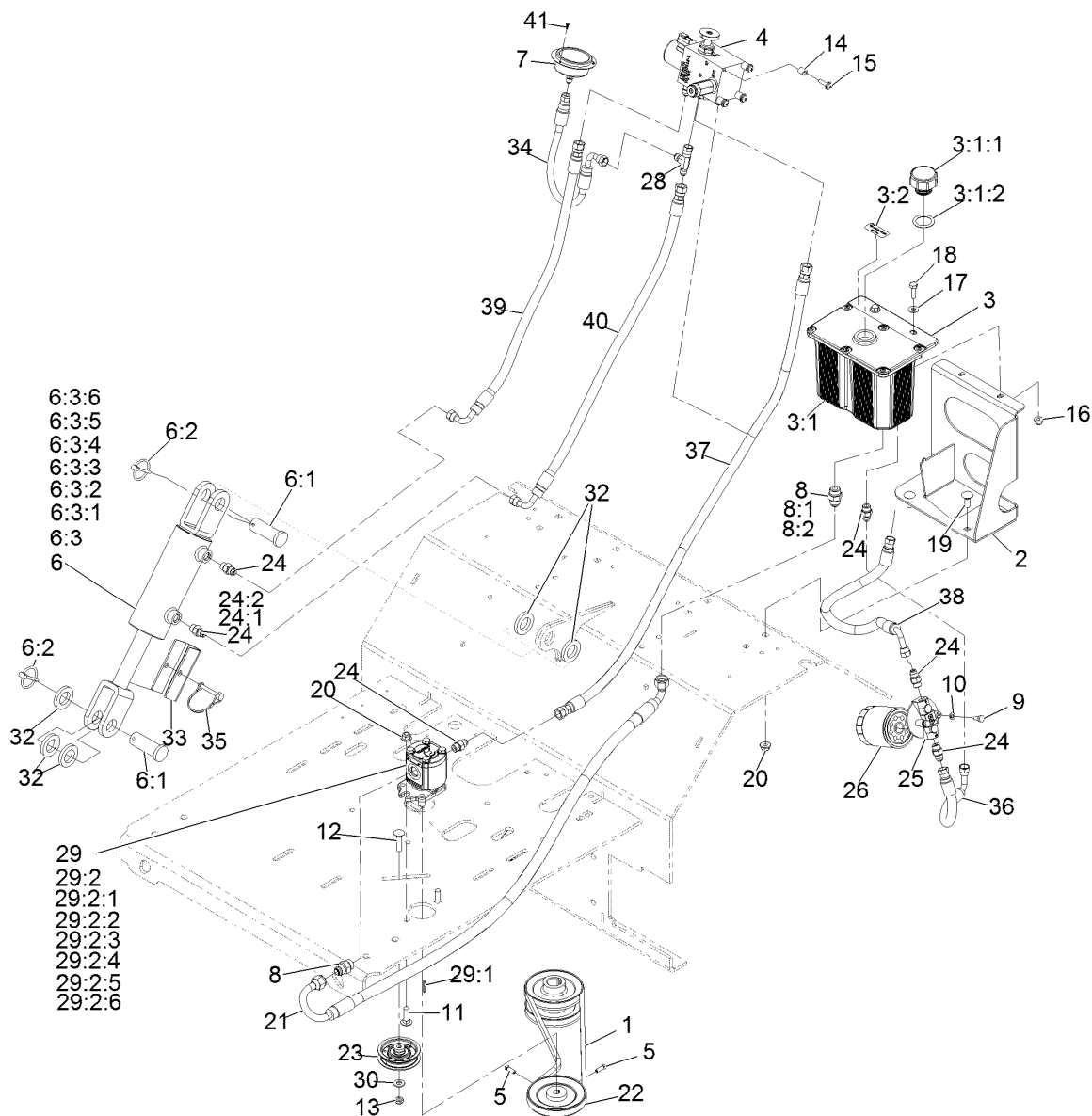
Axle and Bearing Assembly No. 116-9545

Ref.	Part Number	Qty.	Description
1	116-6746-01	1	Mount-Bearing, Wheel
2	1-543509	2	Cone-Bearing Tapered Roller
3	116-6758	2	Spacer
4	1-543511	2	Seal-Grease
5	323-7	4	Screw-HH 3/8-16 X 1 1/4
6	126-0459	1	Axle
7	99-3139	1	Nut
8	1-806800	1	Pin-Cotter 9/64 X 1 1/2



Idler Arm Assembly No. 116-9307

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
2	106-7159	2	O-Ring
3	103-3504	2	Bearing-Spherical
4	32120-10	2	Ring-Snap
5	103-3506	1	Seal-Single Lip
6	103-3505	1	Seal-Double Lip
7	1-603401	1	Spacer-Fender

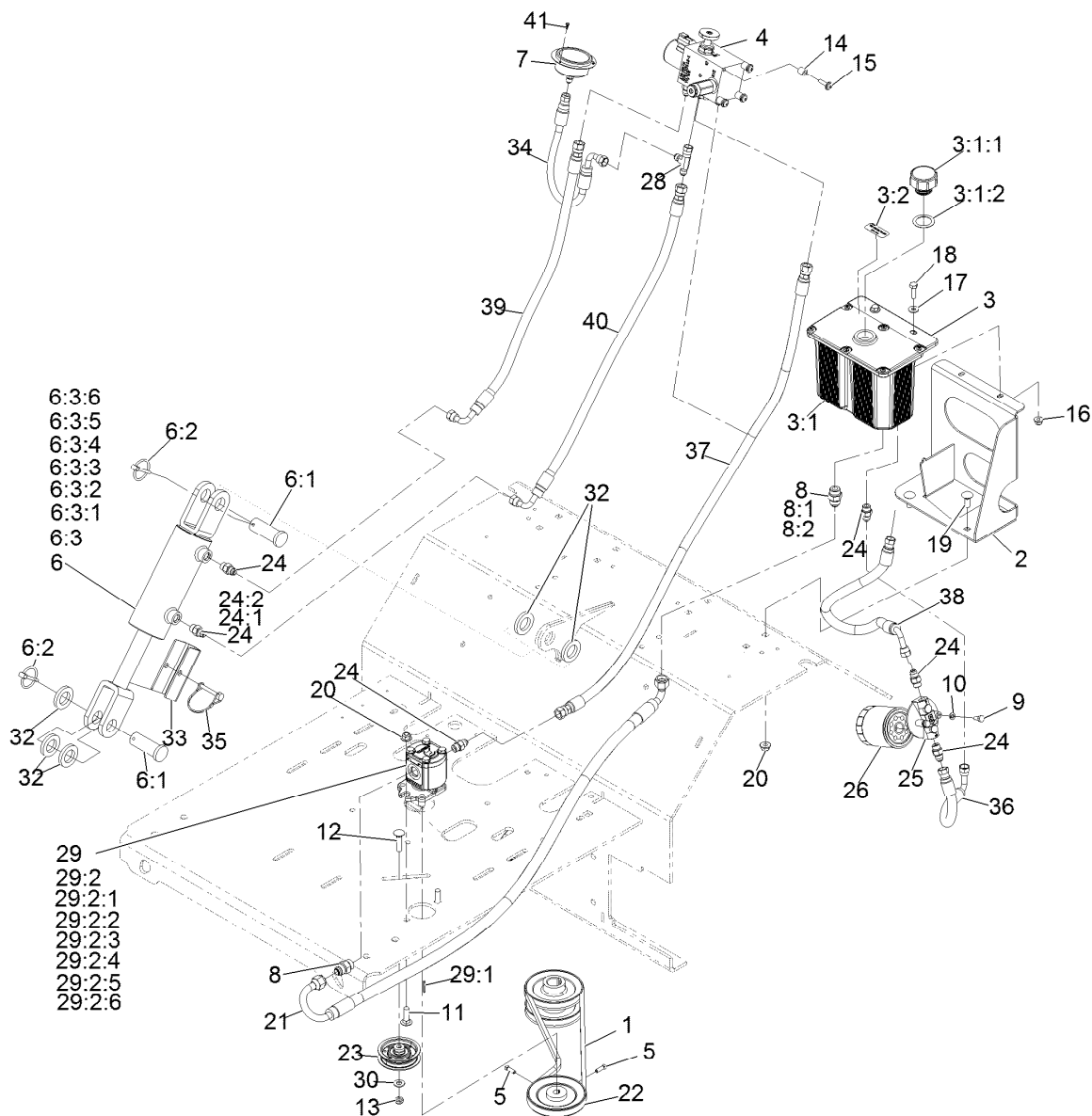


Auxiliary Hydraulic Assembly

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	116-8874	1	Belt-4L Section	7	116-8178	1	Gauge-Pressure
2	116-6618-03	1	Bracket-Tank, Hydraulic	8	1-603990	2	Adapter-Straight
3	116-7556	1	ASM-Reservoir W/Decal	8:1	1-603920	1	O-Ring-Sae #8
3:1		1	Tank-Hydraulic ●	8:2	1-603992	1	O-Ring-37 Flare #8
3:1:1	103-1948	1	Cap-Reservoir, HYD	9	321-3	2	Screw-HH 1/4-20 X 5/8
3:1:2	103-1949	1	Gasket-Cap	10	1-805004	2	Washer-Lock 1/4 Heavy
3:2	116-6990	1	Decal-Hydro Oil Aw-32	11	3231-25	2	Bolt-Carriage 3/8-16 X 1 1/4
4	116-9549	1	Valve-Manifold	12	3231-4	1	Bolt-Carriage 3/8-16 X 1 1/2
5	3241-6	2	Screw-SQH ■	13	3296-59	1	Nut-Nyloc 3/8-16 Thin
6	116-6969	1	HYD Cylinder ASM	14	22-7810	4	Spacer
6:1	116-7290	2	Pin-Clevis	15	110-9361	4	Screw-PPH, Sems
6:2	92-1298	2	Pin-Lynch	16	104-8300	2	Nut-Nyloc 5/16-18 Flg
6:3	127-3234	1	Seal Kit	17	3256-2	2	Washer-1/4 Std
6:3:1		1	O-Ring ●	18	322-5	2	Screw-HH 5/16-18 X 1
6:3:2		1	Backup Ring ●	19	3231-2	4	Bolt-Carriage 3/8-16 X 1
6:3:3		1	Psp Seal ●	20	104-8301	6	Nut-Nyloc 3/8-16 Flg
6:3:4		1	Bs Seal ●	21	116-9309	1	Hose-Hydraulic
6:3:5		1	Dust Seal ●	22	116-6667	1	Pulley
6:3:6		1	O-Ring ●	23	116-6760	1	Pulley-Idler, Flat

● Not serviced separately

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

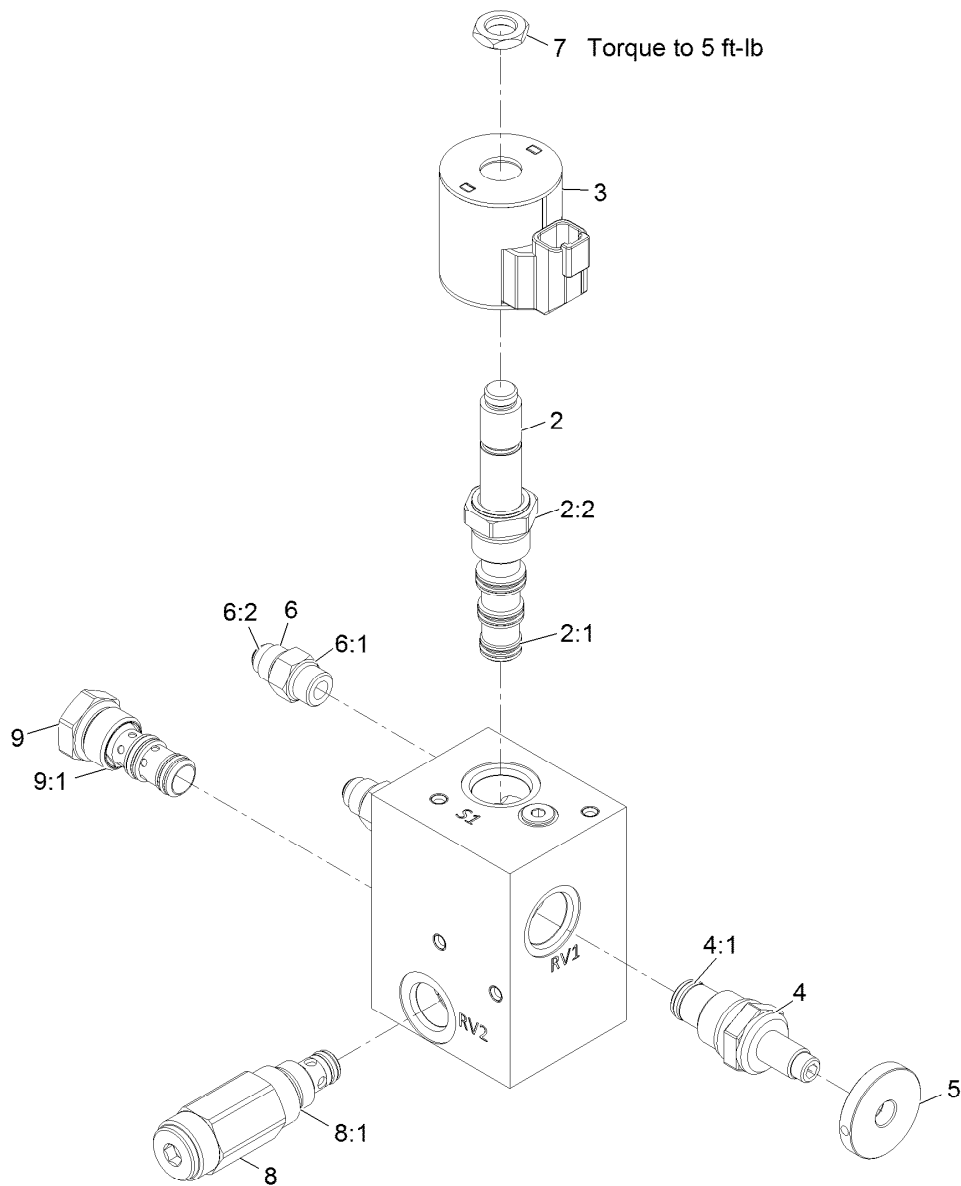


Auxiliary Hydraulic Assembly (continued)

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
24	103-2156	6	Adapter-Straight	29:2:5		1	Seal ●
24:1	1-603921	1	O-Ring-Sae #6	29:2:6		2	O-Ring ●
24:2	103-1020	1	O-Ring-37 Flare #6	30	3256-24	1	Washer-3/8 Sae
25	104-7836	1	Filter-Head	32	116-6781	5	Spacer
26	109-4180	1	Element, Oil Filter	33	116-7307-01	1	Stop-Cylinder
28	353-877	1	Fitting-HYD, Tee (Swivel)	34	116-8180	1	Hose-Hydraulic, Hp
29	116-9129	1	Hydraulic Pump ASM	35	112-2583	1	Pin-Locking
29:1	115-7855	1	Key-Square	36	116-6675	1	Hose-Hydraulic, LP
29:2	112-0199	1	Seal Kit	37	116-8151	1	Hose-Hydraulic
29:2:1		1	Seal-Anti Extrusion ●	38	116-9308	1	Hose-Hydraulic
29:2:2		1	Seal-Anti Extrusion ●	39	116-6677	1	Hose-Hydraulic
29:2:3		1	Seal-Shaft ●	40	116-6678	1	Hose-Hydraulic, Hp
29:2:4		1	Seal-Upper ●	41	363-8552	3	Screw-TAP,6-32X3/8,Phph,Stl,Rohs

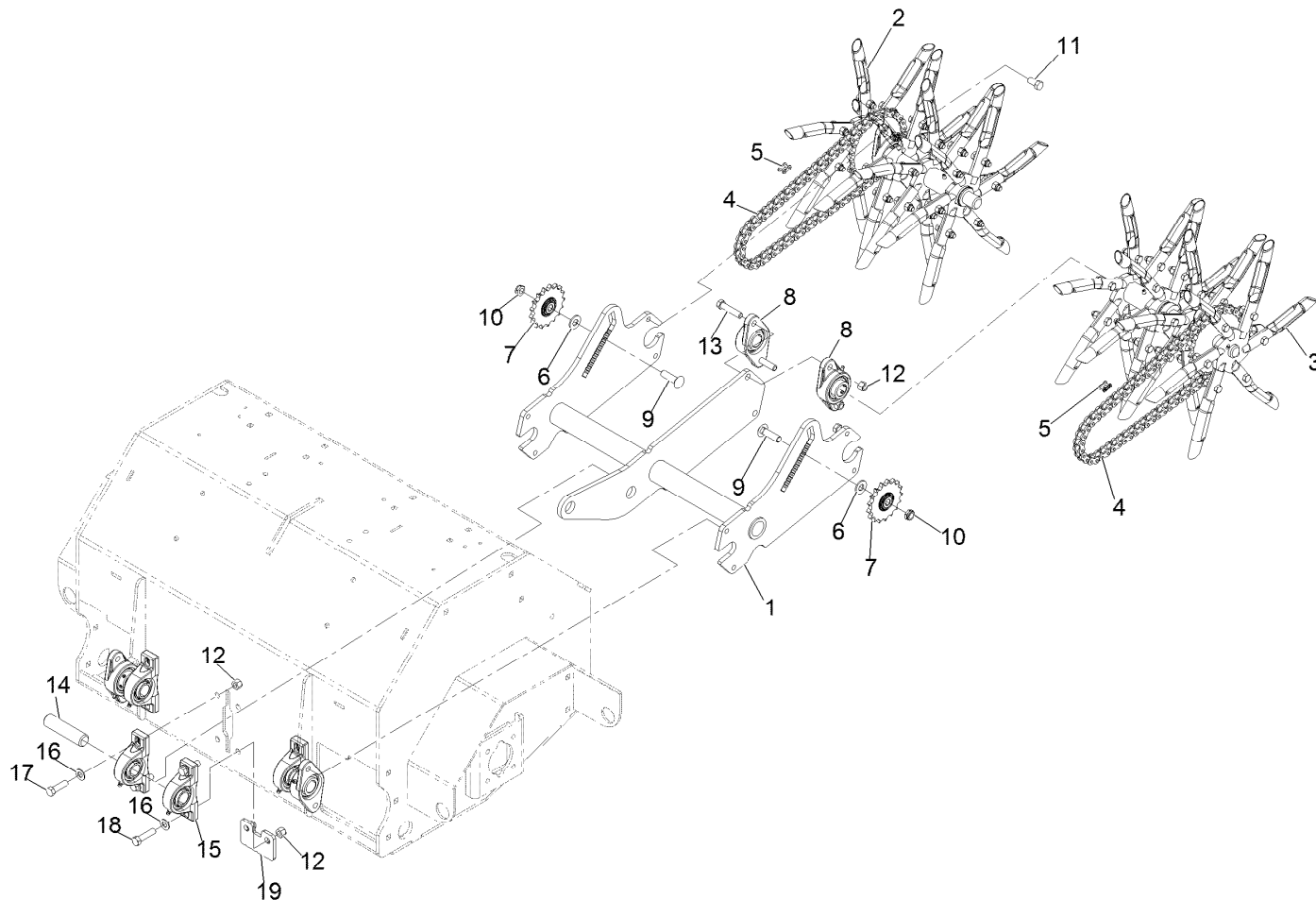
● Not serviced separately

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



Manifold W/Check and Relief Valve Assembly No. 116-9549

Ref.	Part Number	Qty.	Description
2	110-8906	1	Valve-Solenoid
2:1	110-8908	1	Spool Valve Seal Kit
2:2	110-2634	1	Nut-Coil
3	119-4619	1	Coil-Solenoid
4	116-9397	1	Valve-Relief, Poppet Style
4:1	116-9398	1	Relief Valve Seal Kit
5	116-9396	1	Knob (1.5 Dia)
6	103-2156	4	Adapter-Straight
6:1	1-603921	1	O-Ring-Sae #6
6:2	103-1020	1	O-Ring-37 Flare #6
7	110-2634	1	Nut-Coil
8	116-9716	1	Valve-Relief
8:1	116-9717	1	Seal Kit
9	116-9718	1	Valve-Check, P O
9:1	116-9719	1	Seal Kit

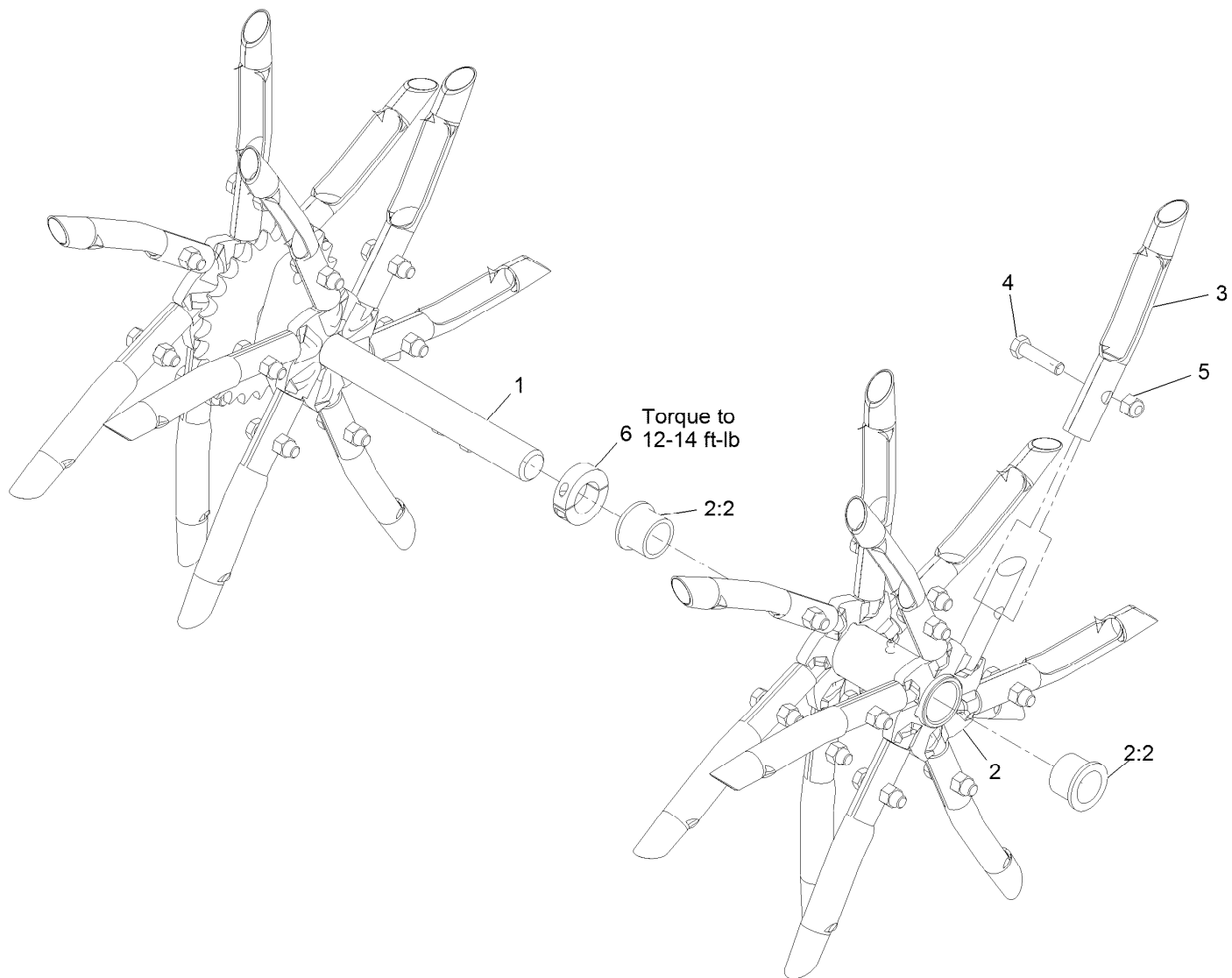


Tine Assembly

Ref.	Part Number	Qty.	Description
1	116-6553-03	1	Arm-Trail
2	116-6738	1	RH Tine Wheel ASM
3	116-6739	1	LH Tine Wheel ASM
4	116-6895	2	Chain-Roller, #50
5	116-6897	2	Link-Connecting, #50
6	87-7270	2	Washer-Thrust
7	116-6719	2	Sprocket-Idler, 17T
8	116-6777	2	Bearing-Flange, 2 Bolt
9	3233-14	2	Screw-CARR
10	3296-45	2	Nut-Nyloc 1/2-13 Thin

Ref.	Part Number	Qty.	Description
11	116-7109	4	Screw-HH ●
12	3296-48	6	Nut-Nyloc 7/16-14
13	324-8	2	Screw-HH
14	116-6629	1	Shaft
15	116-6756	2	Bearing-Pillow Block ●
16	3256-25	4	Washer-7/16 Sae
17	324-6	2	Screw-HH 7/16-14 X 1 1/2
18	324-7	2	Screw-HH
19	116-7327-01	1	Plate-Downstop

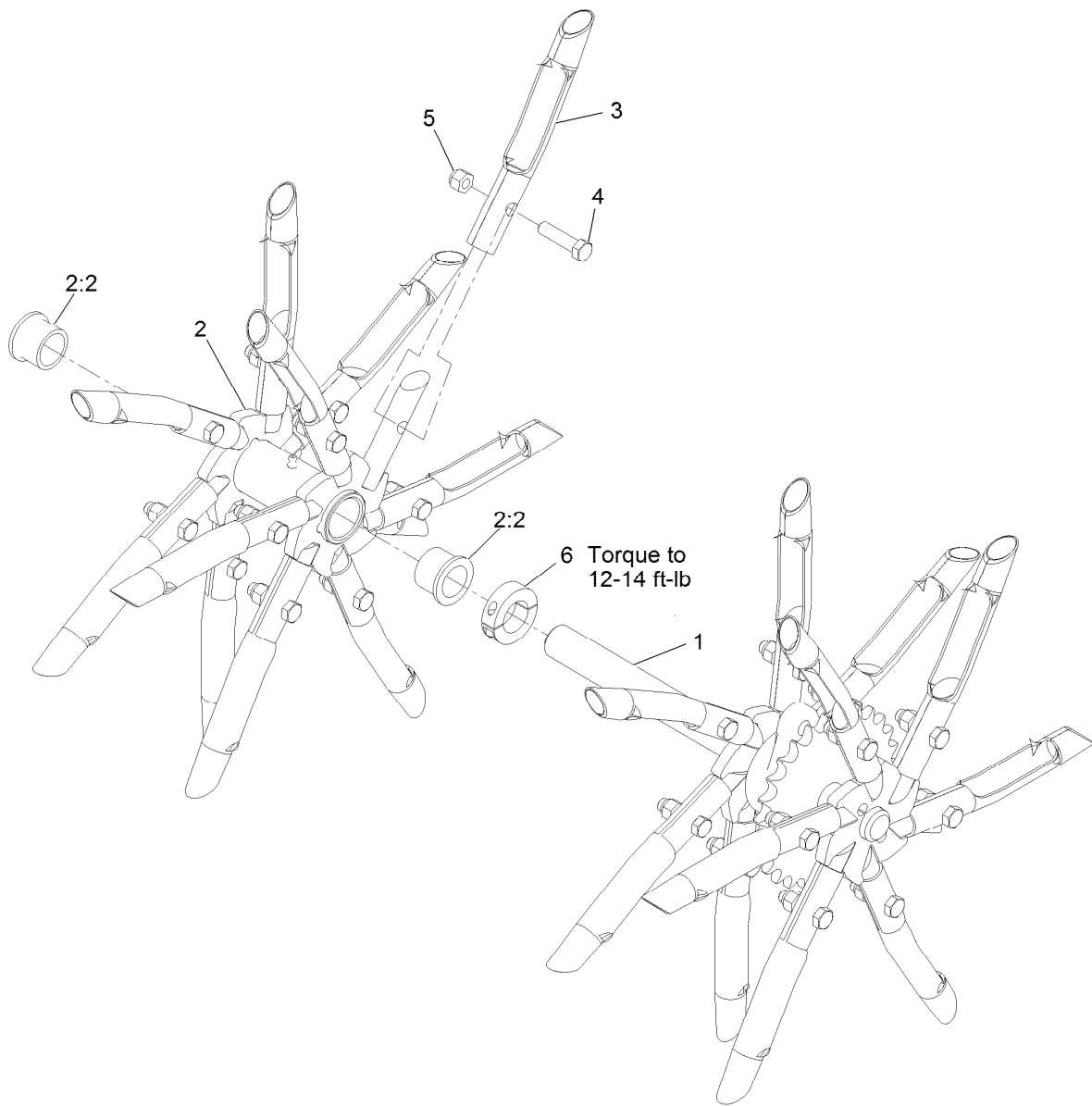
● Use Pro-Lock, Nut Type (P/N 1-840022, .5ml tube) on threads.



RH Tine Wheel Assembly No. 116-6738

Ref.	Part Number	Qty.	Description
1	116-6727	1	Shaft-Tine, RH
2	116-6731	1	Float Tine Shaft ASM
2:2	94-8949	2	Bushing-Flange
3	126-2143	24	Tine-Coring (3/4)
4	323-8	24	Screw-HH 3/8-16 X 1 1/2
5	3296-39	24	Nut-Nyloc 3/8-16
6	116-7271	1	Collar-Locking ●

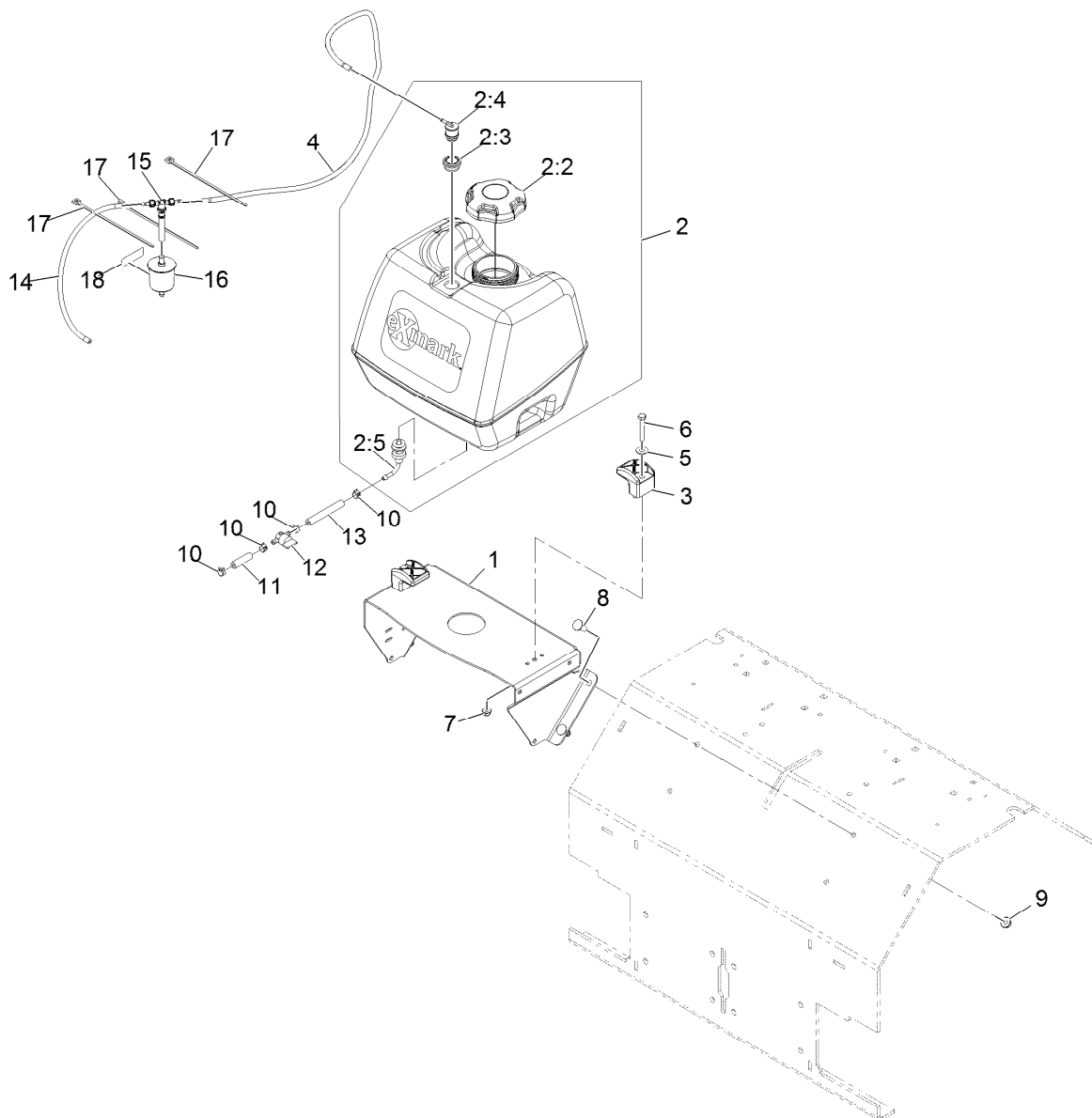
● Use Loctite® 243 on threads.



LH Tine Wheel Assembly No. 116-6739

Ref.	Part Number	Qty.	Description
1	116-6728	1	Shaft-Tine, LH
2	116-6731	1	Float Tine Shaft ASM
2:2	94-8949	2	Bushing-Flange
3	126-2143	24	Tine-Coring (3/4)
4	323-8	24	Screw-HH 3/8-16 X 1 1/2
5	3296-39	24	Nut-Nyloc 3/8-16
6	116-7271	1	Collar-Locking ●

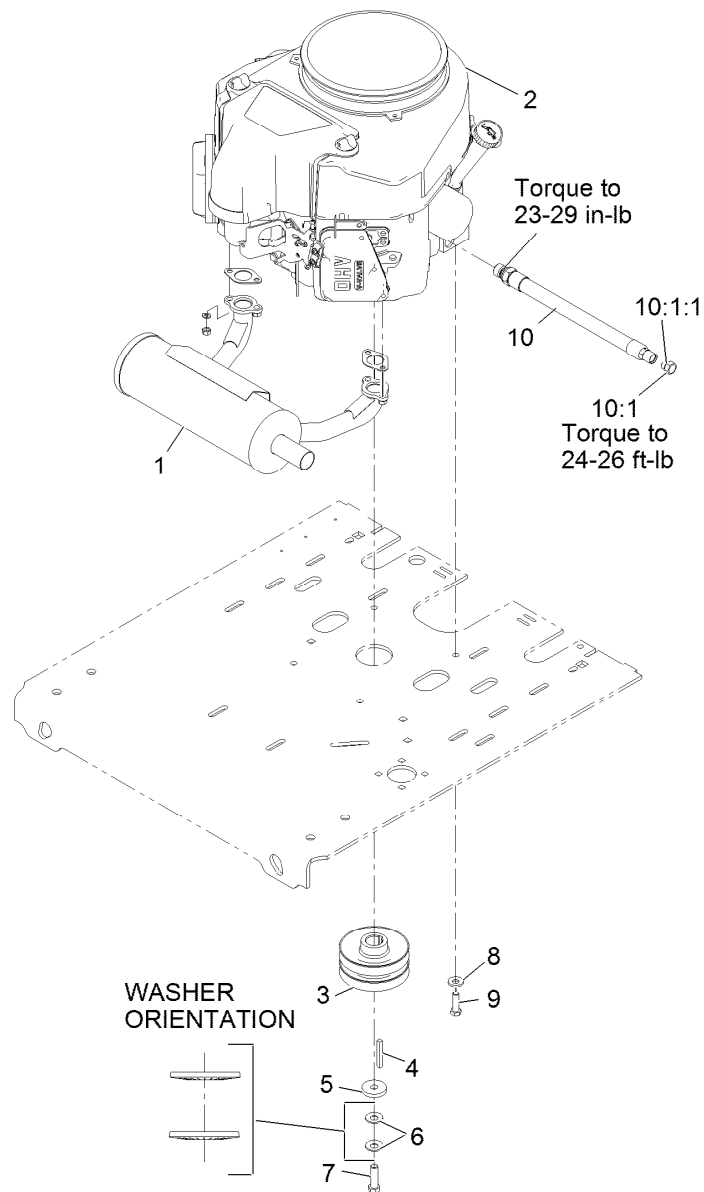
● Use Loctite® 243 on threads.



Fuel Assembly

Ref.	Part Number	Qty.	Description
1	116-9541-01	1	Support-Tank, Fuel
2	126-1525	1	ASM, Fuel Tank
2:2	120-5461	1	Cap-Fuel, Ratcheting
2:3	114-0284	1	Grommet
2:4	119-3547	1	Valve-Vent, Fuel
2:5	103-2605	1	Fitting-Fuel Bulkhead W/Strainer
3	107-4543	2	Clamp
4	116-4346	1	Hose-Emissions
5	3256-3	2	Washer-5/16 Std
6	322-10	2	Screw-HH 5/16-18 X 2
7	104-8300	2	Nut-Nyloc 5/16-18 Flg

Ref.	Part Number	Qty.	Description
8	3231-22	4	Bolt-Carriage 3/8-16 X 1
9	104-8301	4	Nut-Nyloc 3/8-16 Flg
10	2412-98	4	Clamp-Hose
11	119-7856	1	Hose-Fuel
12	1-603770	1	Valve-Fuel
13	105-8342	1	Hose-Fuel
14	115-7872	1	Hose-Fuel
15	116-5464	1	Tee And Check
16	120-2235	1	Filter-Fuel
17	1-303335	3	Tie-Cable 7 15/16 (Large)
18	116-4769	1	Decal-Filter, Emissions



Engine Assembly

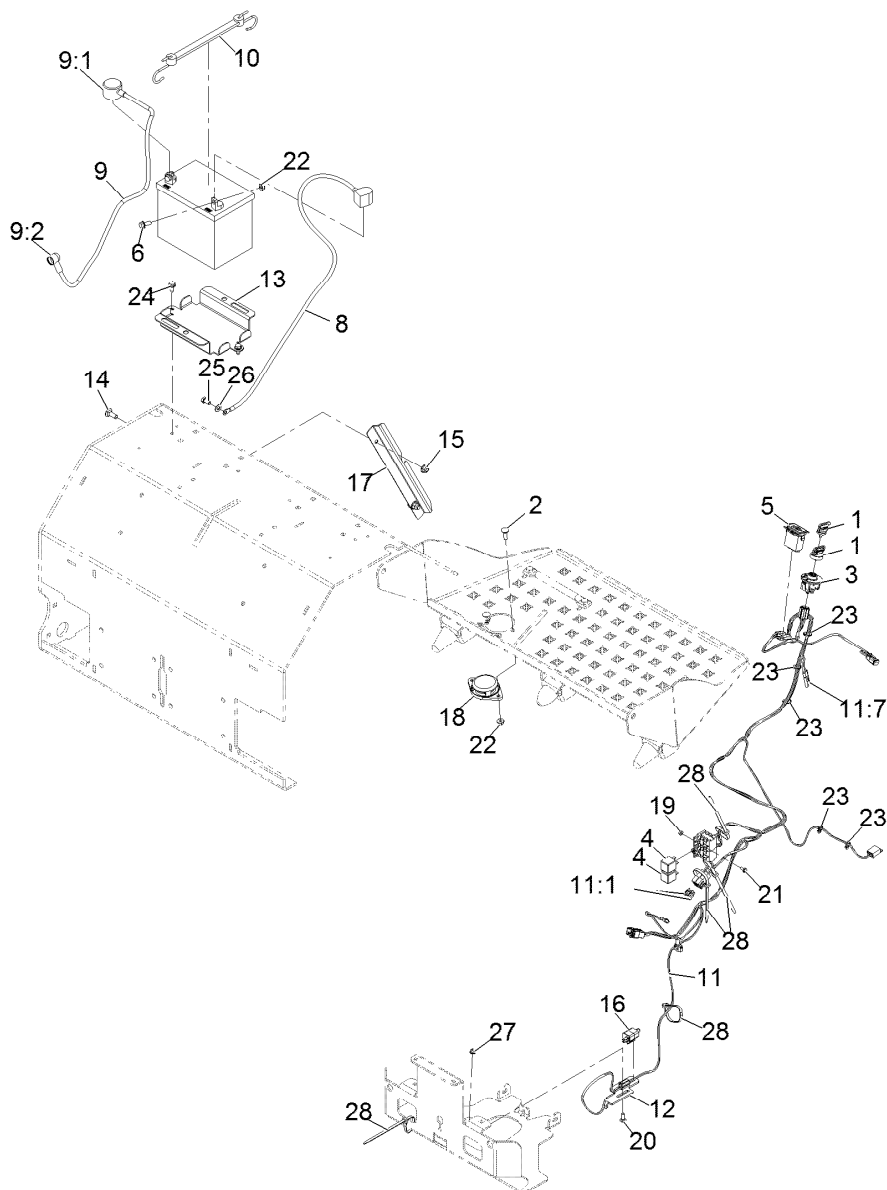
Ref.	Part Number	Qty.	Description
1	116-3735	1	Muffler-Horizontal
2		1	Engine-Kawasaki, Fs481V_s25-R ● ■
3	116-9709	1	Pulley
4	103-4177	1	Key
5	1-543610	1	Washer
6	1-603610	2	Washer-Spring Disc 7/16
7	109-9761	1	Screw-HH 7/16-20 X 1 1/2 W/Loctite ◆
8	98-5975	4	Washer-Spring Disc 3/8
9	323-7	4	Screw-HH 3/8-16 X 1 1/4
10	116-4924	1	Asm-Hose Oil Drain W/Plug ▲
10:1	353-508	1	Plug-W/O-Ring
10:1:1	237-42	1	O-Ring

● Not serviced separately

▲ Use a Teflon Pipe Sealant or equivalent on threads.

◆ 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	1-603511	1	Key-Ignition
1	103-2106	1	Key-Exmark Logo
2	3230-2	2	Bolt-Carriage 5/16-18 X 1
3	117-2221	1	Switch-Ignition
4	1-643275	2	Relay-12Vdc 40 Amp
5	1-513374	1	Meter-Engine Hours
6	3234-5	2	Screw-HH Flg 5/16-18 X 3/4
8	117-6422	1	Cable-Battery, Black
9	109-7630	1	Positive Battery Cable ASM
9:1	109-2407	1	Insulator-Battery
9:2	1-543393	1	Insulator-Solenoid
10	104-2466	1	Holddown-Battery
11	116-9382	1	Harness ASM ●
11:1	1-816001	2	Fuse-Blade Type, 20 Amp
11:7	116-0053	1	Cap-Plug
12	116-7589	1	Mount-Switch
13	116-9383-03	1	Bracket-Battery

Ref.	Part Number	Qty.	Description
14	3231-2	2	Bolt-Carriage 3/8-16 X 1
15	104-8301	2	Nut-Nyloc 3/8-16 Flg
16	110-6765	1	Switch-Single Pole No
17	116-9394-03	1	Guard-Harness
18	92-6282	1	Switch-Seat
19	3296-2	2	Nut-Nyloc #10-24
20	3229-1	1	Bolt-Carriage 1/4-20 X 3/4
21	3290-321	2	Screw-HWH
22	104-8300	4	Nut-Nyloc 5/16-18 Flg
23	1-303287	5	Tie-Cable 5 1/2 (Small)
24	32144-70	2	Screw-HWH 5/16-18 X 3/4 Tf
25	33114-016	1	Screw-HH M8-1.25 X 16Mm
26	33094-00	1	Washer
27	104-7201	1	Nut-Nyloc 1/4-20 Flg
28	1-303335	5	Tie-Cable 7 15/16 (Large)

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

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MICRO-MULCH SYSTEM	STANDON

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