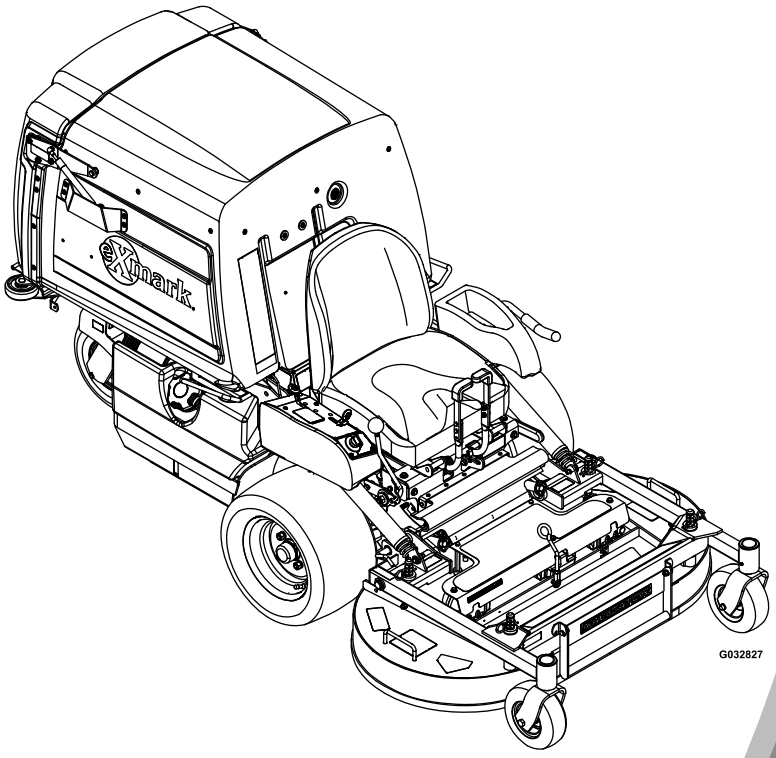
Parts Manual

NAVIGATOR®

Model No. NVS730AKC48000—Serial No. 406294345 and Up

Picture below may not reflect actual product.



Part No. 4504-658 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.

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).

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2101 Ashland Ave
Beatrice, NE 68310

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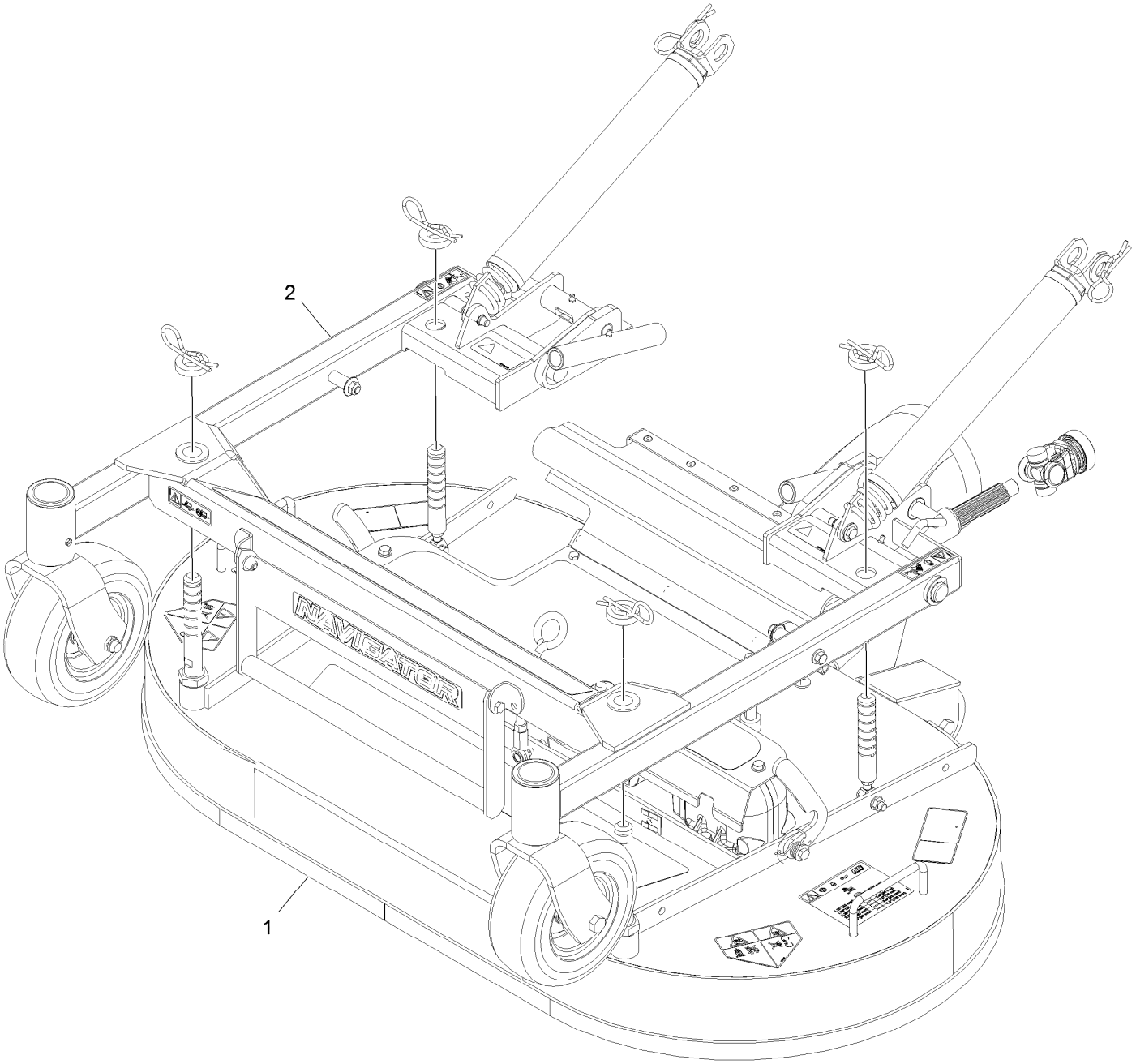


If your Exmark dealer does not have the Exmark part in stock, Exmark will get the parts to the dealer the next business day or the part will be FREE Guaranteed!! (Some restrictions apply. See your participating Exmark Dealer for details.)

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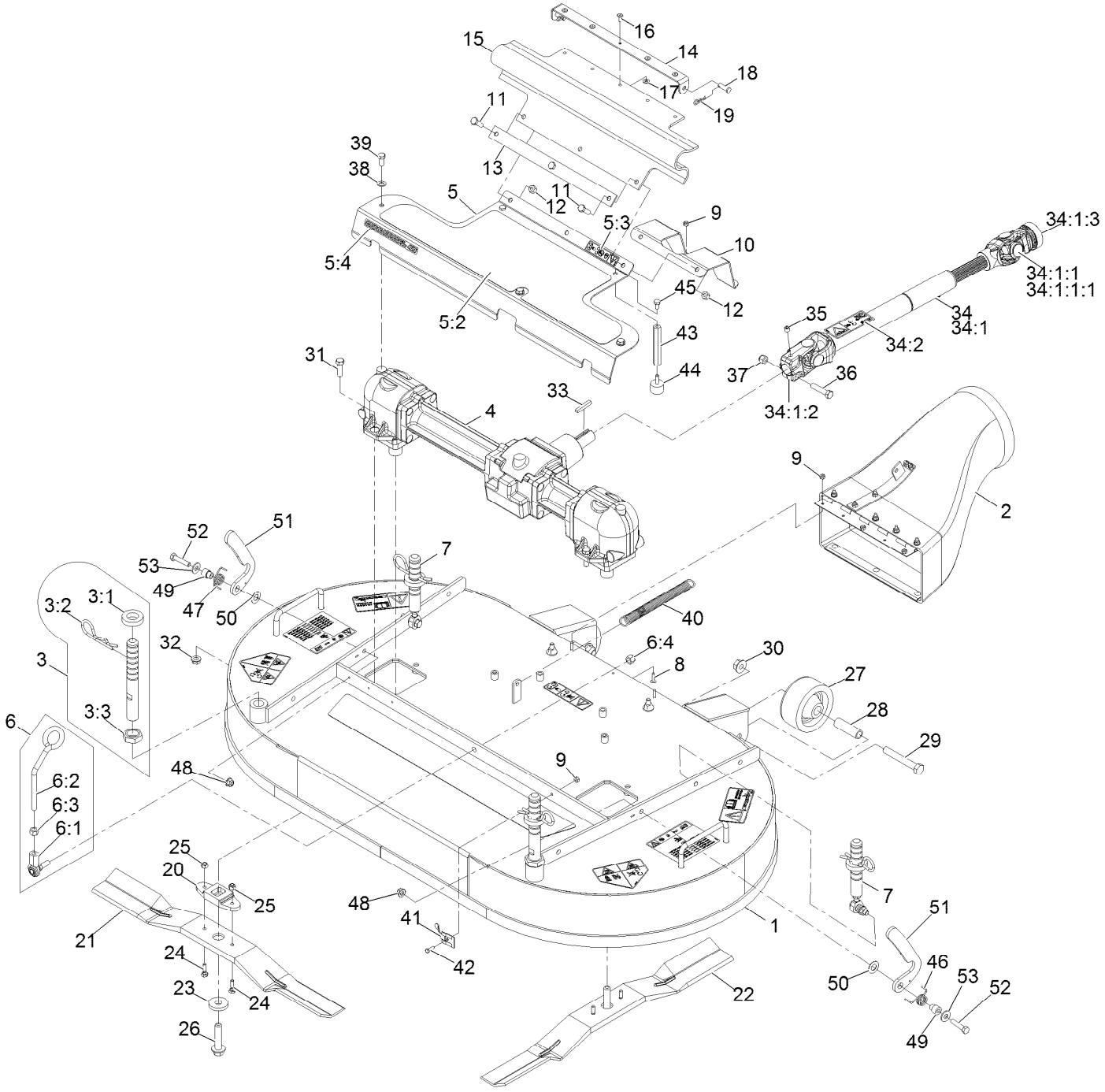
Complete Deck and Support Frame Assembly



Complete Deck and Support Frame Assembly (continued)

Ref.	*Part Number*	*Qty.*	*Description*
1	142-2921	1	Deck-Cutting
2	142-2913	1	Frame-Deck Support

Deck Assembly

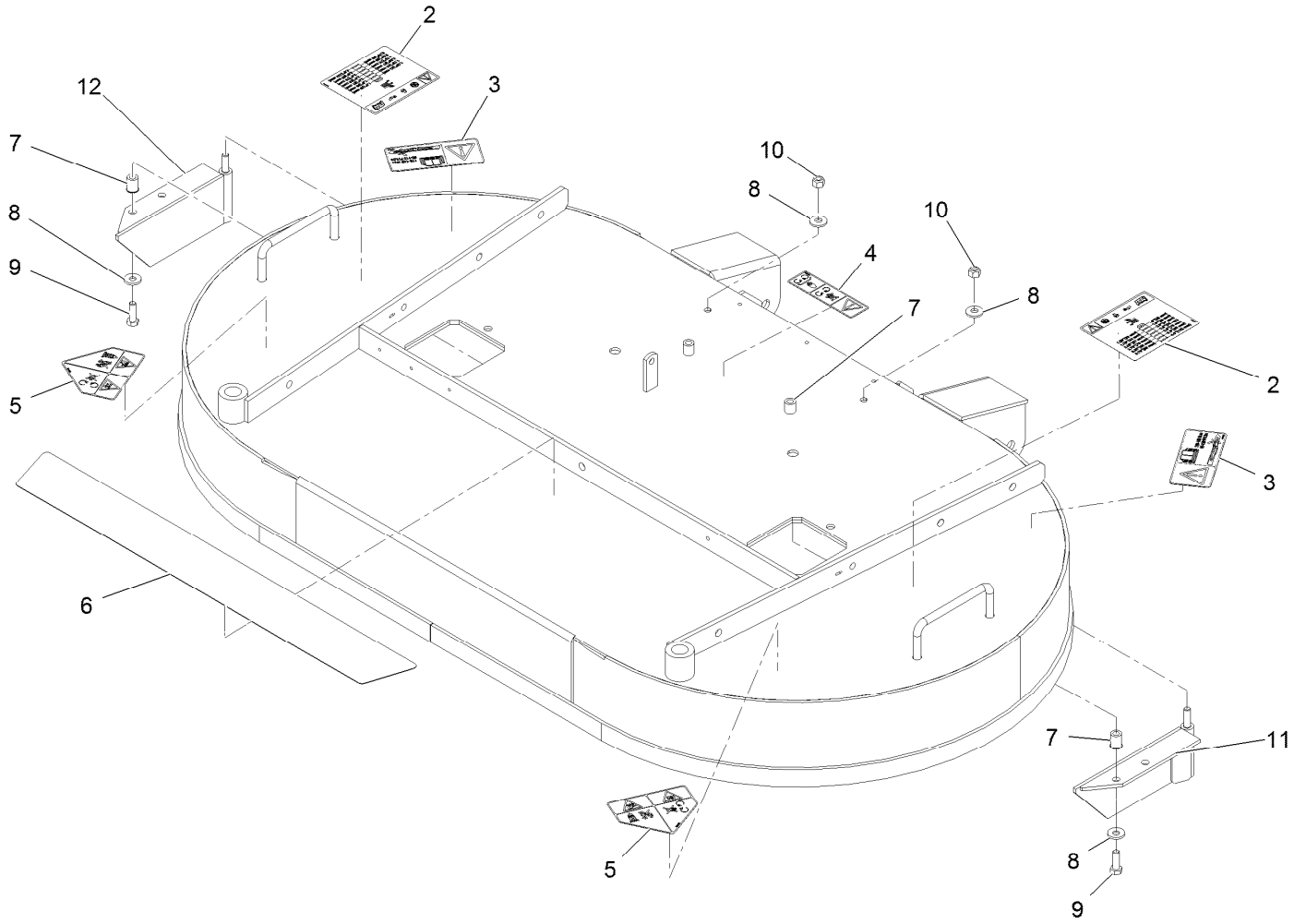


Deck Assembly (continued)

Ref.	Part Number	Qty.	Description
1	142-2922	1	Deck-Cutting 48 W/Decals
2	103-9487	1	Discharge Tube ASM
3	109-0321	2	Front Deck Height Adjust ASM
3:1	1-413425	1	Spacer-Deck Support
3:2	103-7353	1	Pin-Cut Height
3:3	103-8496	1	Nut-Jam
4	103-3387	1	Gear Box ASM
5	103-9496	1	Asm, Gearbox Cover W/Decal (48")
5:2	103-8629	1	Pad-Anti Skid
5:3	119-0217	1	Decal-Danger
5:4	126-7281	1	Decal-Commercial 48
6	103-8363	1	Deck Latch ASM
6:1	103-7994	1	Balljoint-RH
6:2	103-8307	1	Latch-Deck
6:3	3219-3	1	Nut-Hex
6:4	3296-6	1	Nut-Lock
7	109-0323	2	Rear Deck Height Adjust ASM
8	1-803075	3	Screw-Head, Truss
9	3296-2	6	Nut-Lock, NI
10	116-7843-01	1	Guard-Drive Shaft
11	322-5	3	Screw-HH
12	3296-29	3	Nut-Lock, NI
13	103-6290-03	1	Strap-Drive, Line Cover
14	103-6183-03	1	Bracket-Guard, PTO
15	103-5979	1	Guard-PTO
16	114439	5	Rivet-Blind
17	3256-14	5	Washer-Flat
18	1-808280	2	Pin-Clevis
19	1-806003	2	Pin-Cotter
20	103-7705	2	Driver-Blade
21	103-4208	1	Blade, RH (48") Red
22	103-4207	1	Blade, LH (48") Black
23	30-8770	2	Washer
24	99-0283	4	Bolt-Shear
25	3296-42	4	Nut-Lock, NI
26	92-5816	2	Bolt-Blade
27	103-3700	2	Roller-Deck
28	103-4230	2	Spacer-Roller
29	325-14	2	Screw-HH
30	32128-49	2	Nut-HHF
31	323-7	4	Screw-HH
32	3290-357	4	Nut-HHF, Whiz
33	67-7490	1	Key-Square
34	103-9485	1	Drive Shaft ASM
34:1		1	Drive Shaft-Telescoping ●
34:1:1	54-9180	2	U-Joint Kit
34:1:1:1	62-3820	1	Fitting-Grease
34:1:2	103-9328	1	Yoke-Keyed
34:1:3	103-9329	1	Yoke-Quick Disconnect
34:2	116-9049	1	Decal-Danger, Driveline
35	3247-2	1	Screw-Set, HSH
36	323-9	1	Screw-HH
37	3296-39	1	Nut-Lock, NI
38	3256-23	3	Washer-Plain
39	322-3	3	Screw-HH
40	103-8841	1	Spring-Extension
41	1-513690	1	Clip-Deck, Hold Up Rod
42	3290-134	1	Screw
43	103-8610	2	Stand-Off
44	1-523420	2	Bumper
45	321-2	2	Screw-HH
46	75-3960	1	Spring-Torsion, LH (Yellow)
47	75-3970	1	Spring-Torsion, RH
48	104-8300	2	Nut-HF, NI
49	108-9087	2	Collar-Basket
50	110-4068	2	Washer-Plastic
51	142-2475	2	Latch - Deck
52	322-7	2	Screw-HH
53	3256-3	2	Washer-Flat

● Not serviced separately

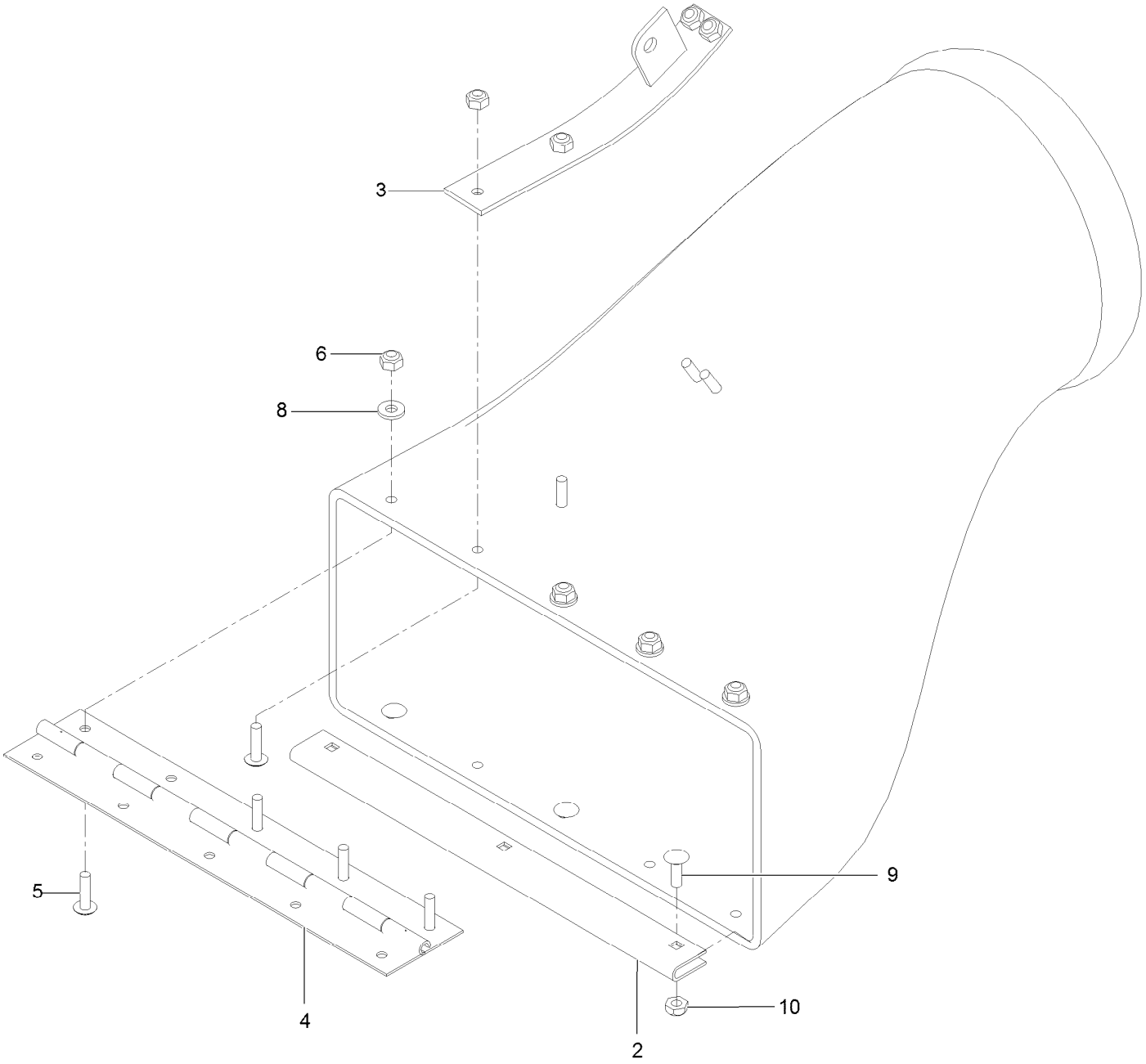
Deck W/Decals Assembly



Deck W/Decals Assembly (continued)

Ref.	Part Number	Qty.	Description
2	116-8934	2	Decal-Height Adjust, Cutting
3	93-7818	2	Decal-Torque, Blade Bolt
4	112-9028	1	Decal-Cover, Missing
5	112-8760	2	Decal-Danger
6	103-8630	1	Pad-Anti Skid
7	32148-7	4	Nut-Clinch
8	1-303334	4	Washer-Spring Disc 5/16
9	322-5	2	Screw-HH 5/16-18 X 1
10	3296-29	2	Nut-Nyloc 5/16-18
11	109-4053-01	1	Baffle-LH
12	109-4054-01	1	Baffle-RH

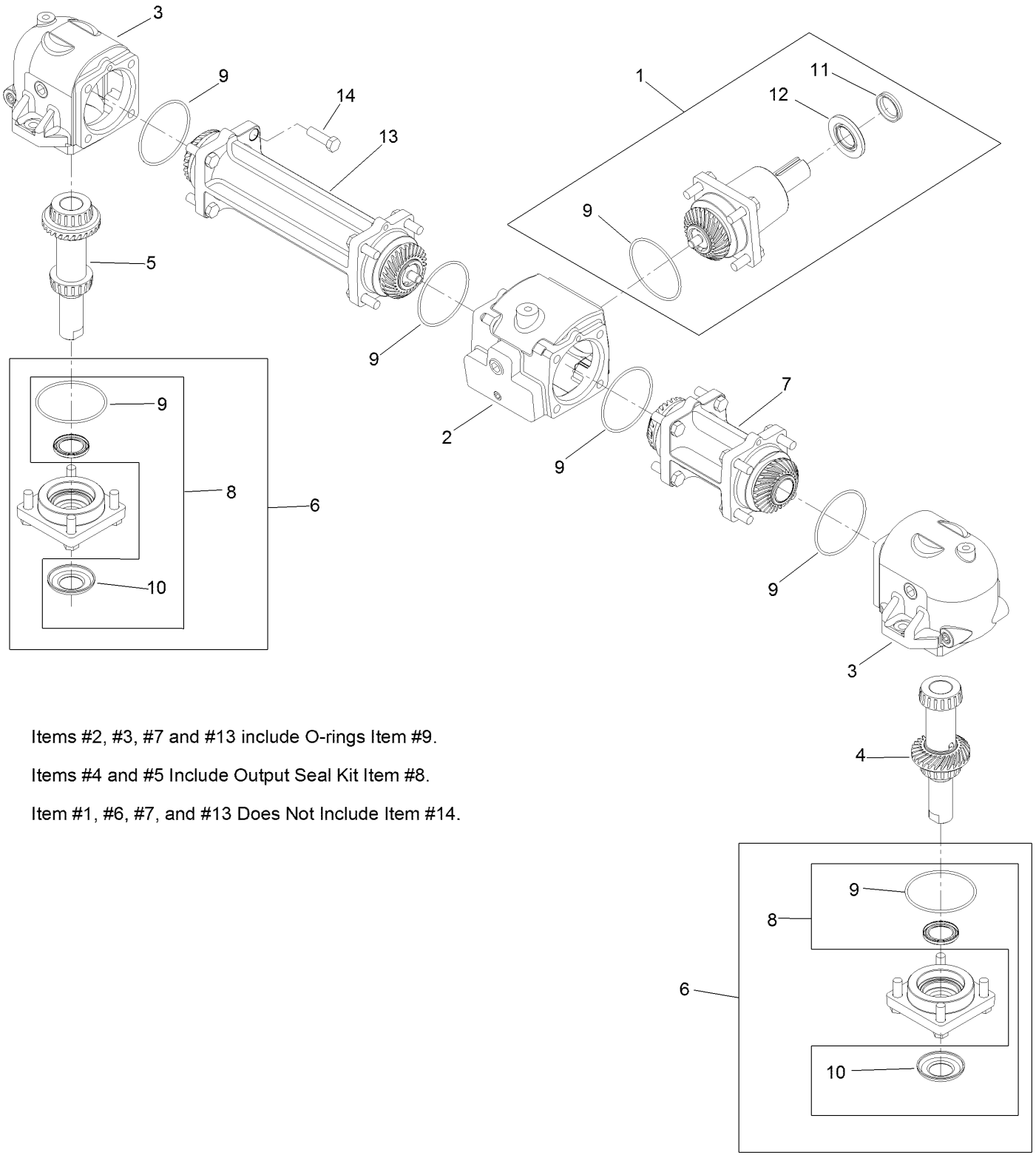
Discharge Tube Assembly



Discharge Tube Assembly (continued)

Ref.	Part Number	Qty.	Description
2	109-2228-03	1	Guard-Plenum
3	103-5868-01	1	Mount-Spring
4	139-4460	1	Hinge-Piano
5	1-803075	8	Screw-Head, Truss
6	3296-2	8	Nut-Lock, NI
8	3256-14	4	Washer-Flat
9	1-807533	3	Bolt-CARR
10	3296-12	3	Nut-Lock, NI

Gearbox Assembly No. 103-3387



Items #2, #3, #7 and #13 include O-rings Item #9.

Items #4 and #5 Include Output Seal Kit Item #8.

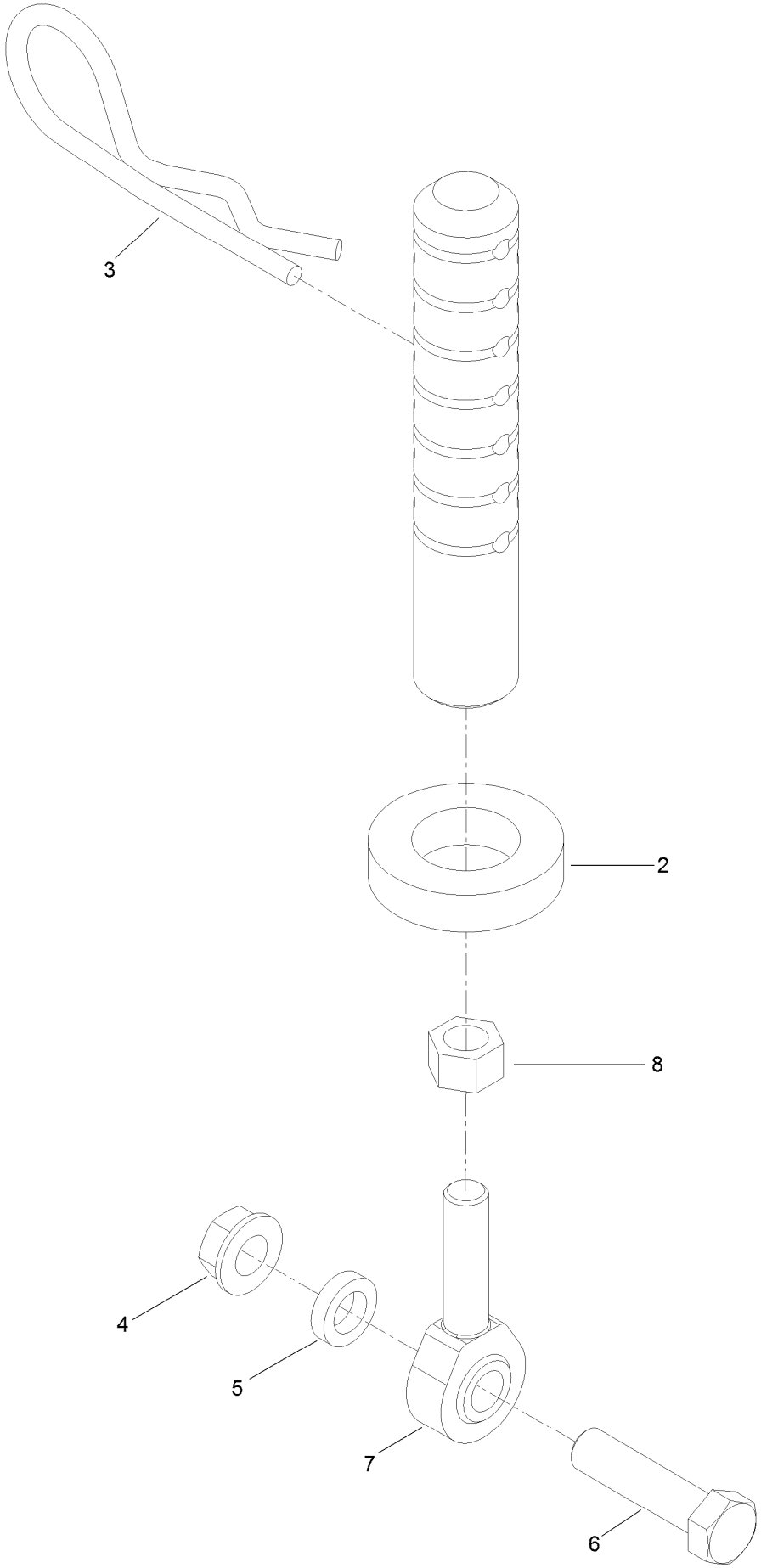
Item #1, #6, #7, and #13 Does Not Include Item #14.

Gearbox Assembly No. 103-3387 (continued)

Ref.	Part Number	Qty.	Description
1	109-0189	1	Pinion-Input
2	109-0190	1	Housing-Center
3	109-0191	1	Housing-End
4	109-0193	1	Output Shaft And Gear-LH
5	109-0195	1	Output Shaft And Gear-RH
6	109-0196	1	Cap-Output
7	109-0198	1	Tube-Connector, Shor
8	109-0201	1	Output Seal Kit
9	109-0203	1	Seal-O-Ring
10	109-0204	1	Washer-Cupped
11	109-0205	1	Seal-V-Ring ●
12	109-0202	1	Seal-Input ●
13	109-0200	1	Connector-Tube, Long
14	93-3987	28	Bolt-Blade

● Apply bead of Mobil HTS grease (P/N 103-5217 1.5 oz packet) (or a food-grade anti-seize) between input seal and v-ring.

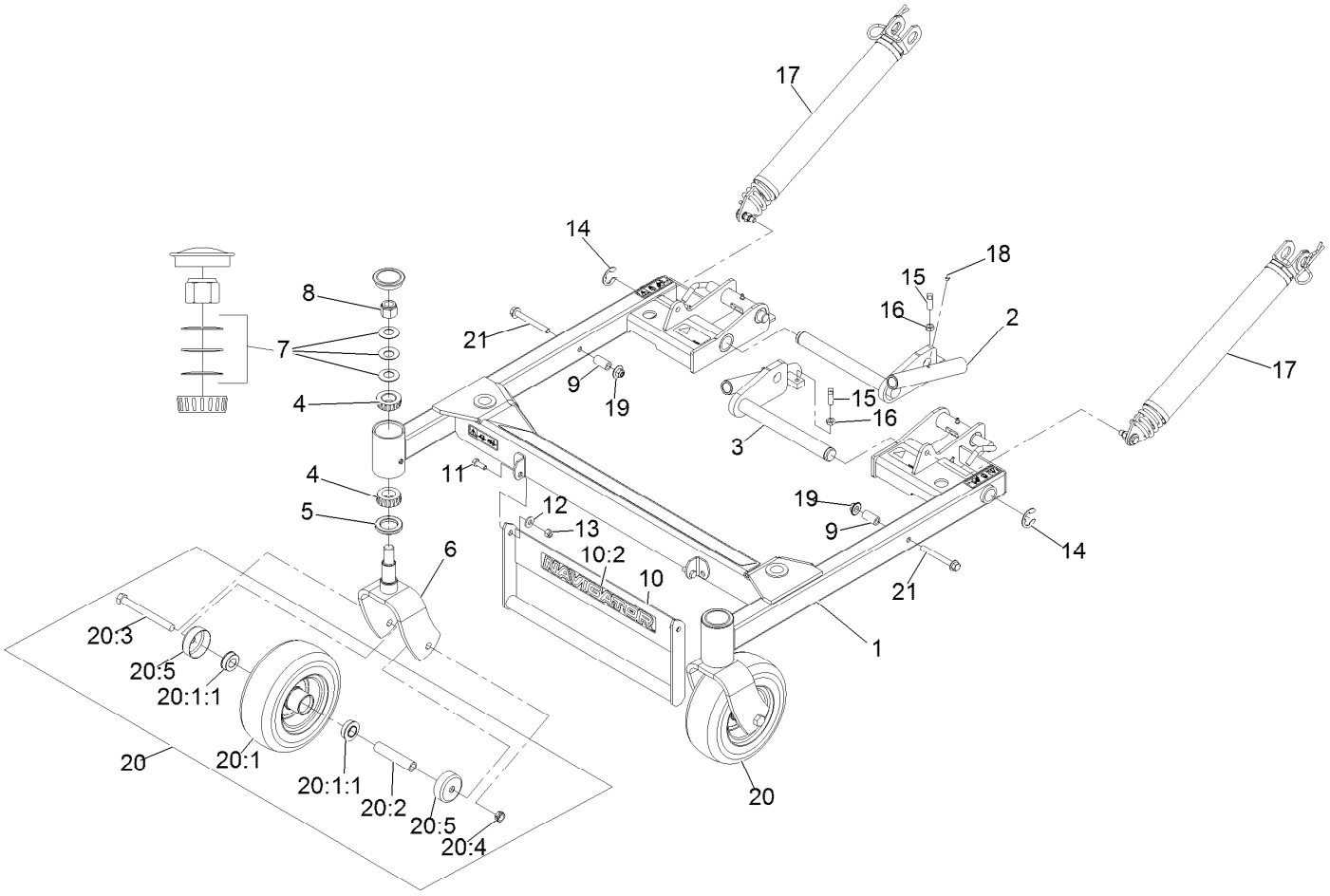
Rear Deck Height Adjustment
Assembly No. 109-0323



Rear Deck Height Adjustment
Assembly No. 109-0323 (continued)

Ref.	Part Number	Qty.	Description
2	1-413425	1	Spacer-Deck Support
3	103-7353	1	Pin-Cut Height
4	3290-357	1	Nut-HHF, Whiz
5	106-5597	1	Spacer-Idler
6	323-8	1	Screw-HH
7	1-613204	1	Balljoint
8	3220-3	1	Nut-HJ

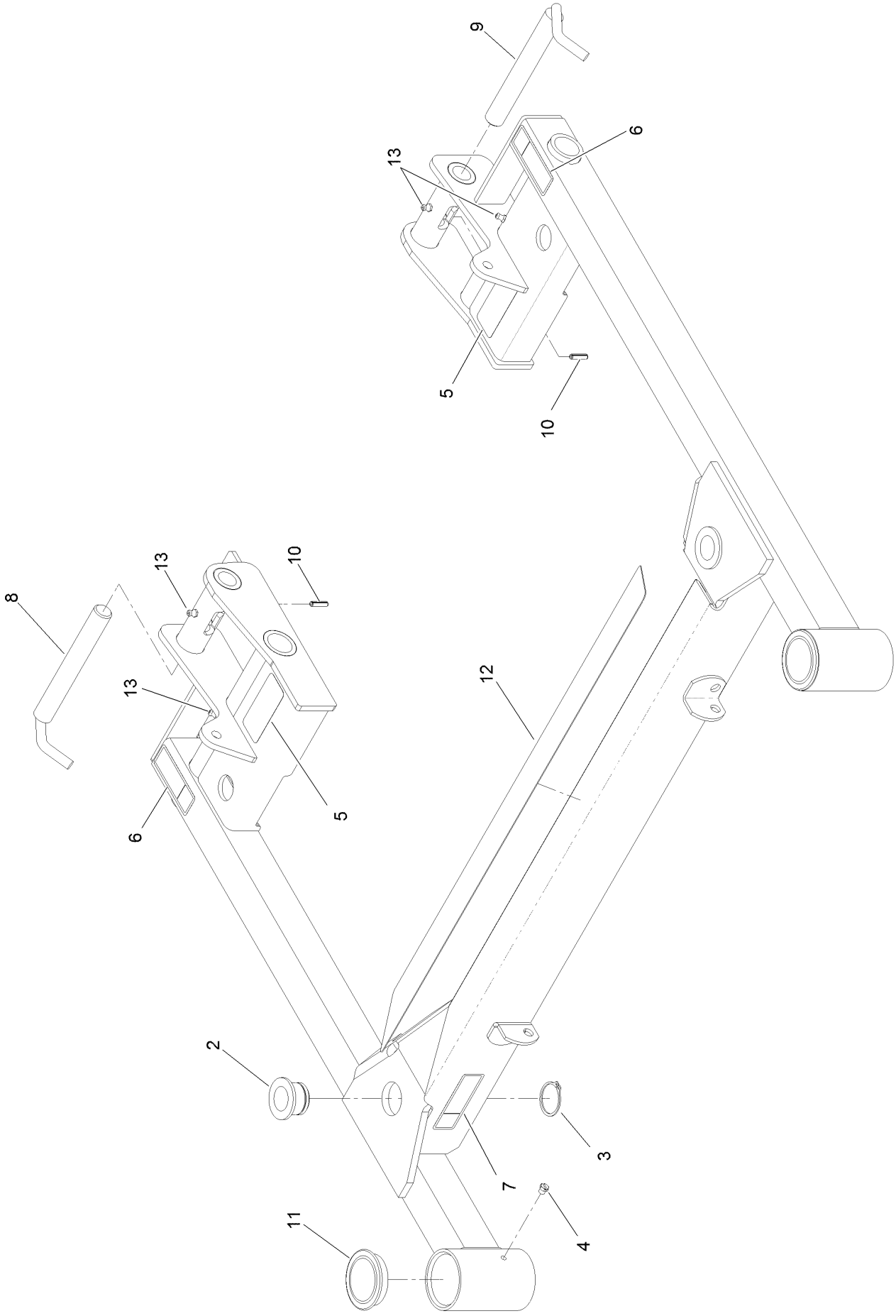
Deck Support Frame Assembly



Deck Support Frame Assembly (continued)

Ref.	Part Number	Qty.	Description
1	142-2914	1	Frame-Deck Support W/Decals
2	103-3729-01	1	Pivot-Deck, RH
3	103-3732-01	1	Pivot-Deck, LH
4	1-543509	4	Cone-Bearing Tapered Roller
5	1-543511	2	Seal-Grease
6	109-1933-01	2	Fork-Caster
7	1-633508	6	Washer-Spring Disc
8	3296-51	2	Nut-Nyloc 3/4-10
9	108-6544	2	Spacer
10	103-9482	1	Asm, Deck Lift Handle W/Decal
10:2	126-7199	1	Decal-Navigator Logo
11	322-4	2	Screw-HH 5/16-18 X 7/8
12	1-303334	2	Washer-Spring Disc 5/16
13	3296-29	2	Nut-Nyloc 5/16-18
14	1-808519	2	Ring-Snap
15	3243-5	2	Setscrew-SQH 3/8-16 X 1
16	3218-3	2	Nut-Jam 3/8-16
17	116-7851	2	Lift Assist Spring ASM
18	302-19	2	Zerk-1/4-28 Str
19	109-6658	2	Nut-Nyloc 3/8-16 Flg
20	135-5966	2	ASM,Ff Caster Wheel W/Axle
20:1	135-5962	1	ASM,Wheel And Tire
20:1:1	135-5963	2	Bearing-Ball
20:2	109-2094	1	Spacer-Caster, Front
20:3	325-19	1	Screw-HH 1/2-13 X 5
20:4	3296-45	1	Nut-Nyloc 1/2-13 Thin
20:5	103-2768	2	Guard-Seal
21	3234-41	2	Screw-HHF

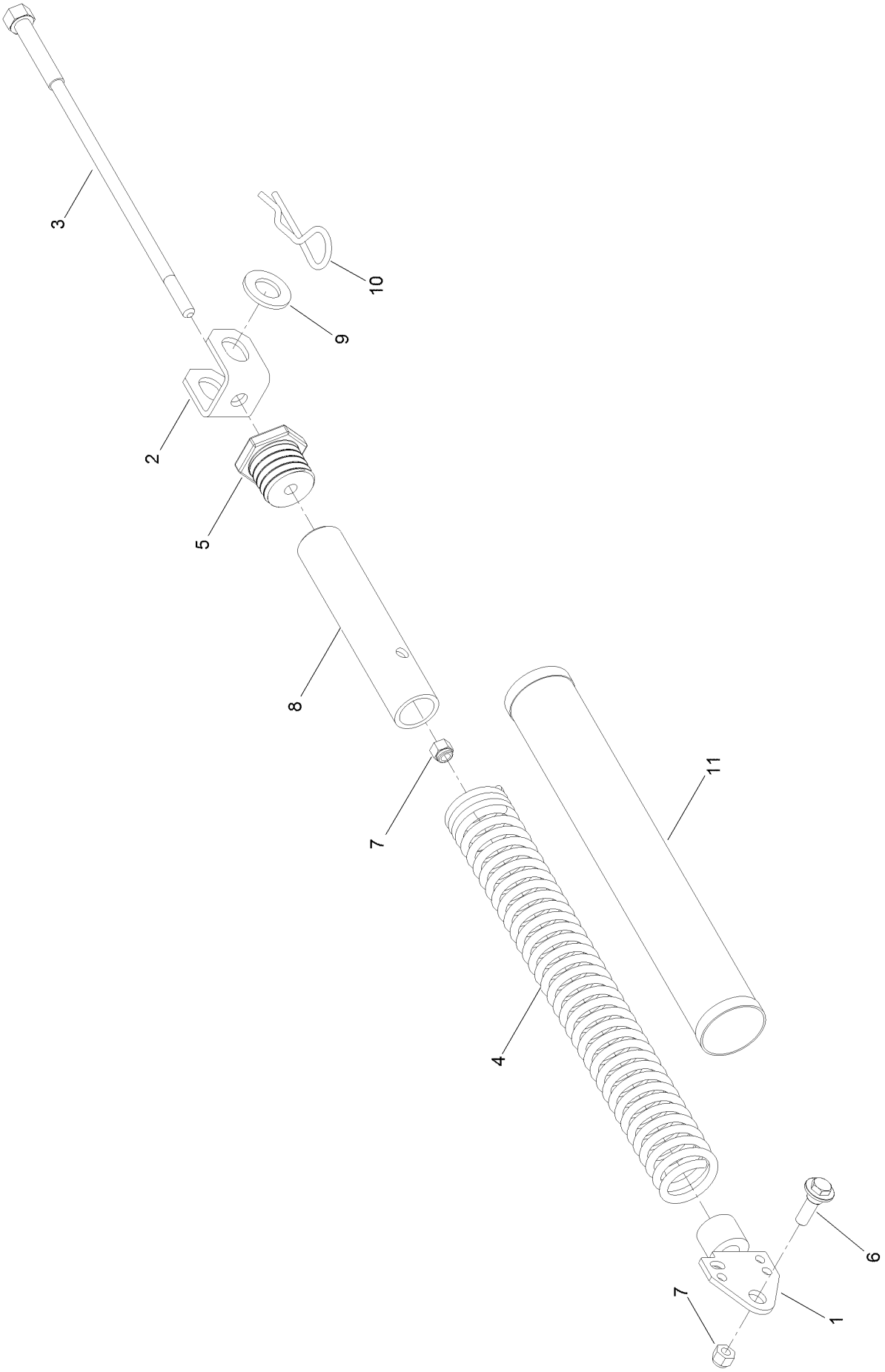
Deck Support W/Decals Assembly No. 103-9480



Deck Support W/Decals Assembly No. 103-9480 (continued)

Ref.	Part Number	Qty.	Description
2	103-7436	2	Bushing-Support, Deck
3	32120-33	2	Ring-Retaining
4	1-811010	2	Plug
5	93-6696	2	Decal-Warning
6	116-8935	2	Decal-Warning, Folding Deck
7	116-8936	1	Decal-Danger
8	103-4119	1	Lock-Deck, RH
9	103-4118	1	Lock-Deck, LH
10	32121-3	2	Pin-Spring
11	103-4882	2	Cap-Grease
12	103-8630	1	Pad-Anti Skid
13	302-19	4	Fitting-Grease

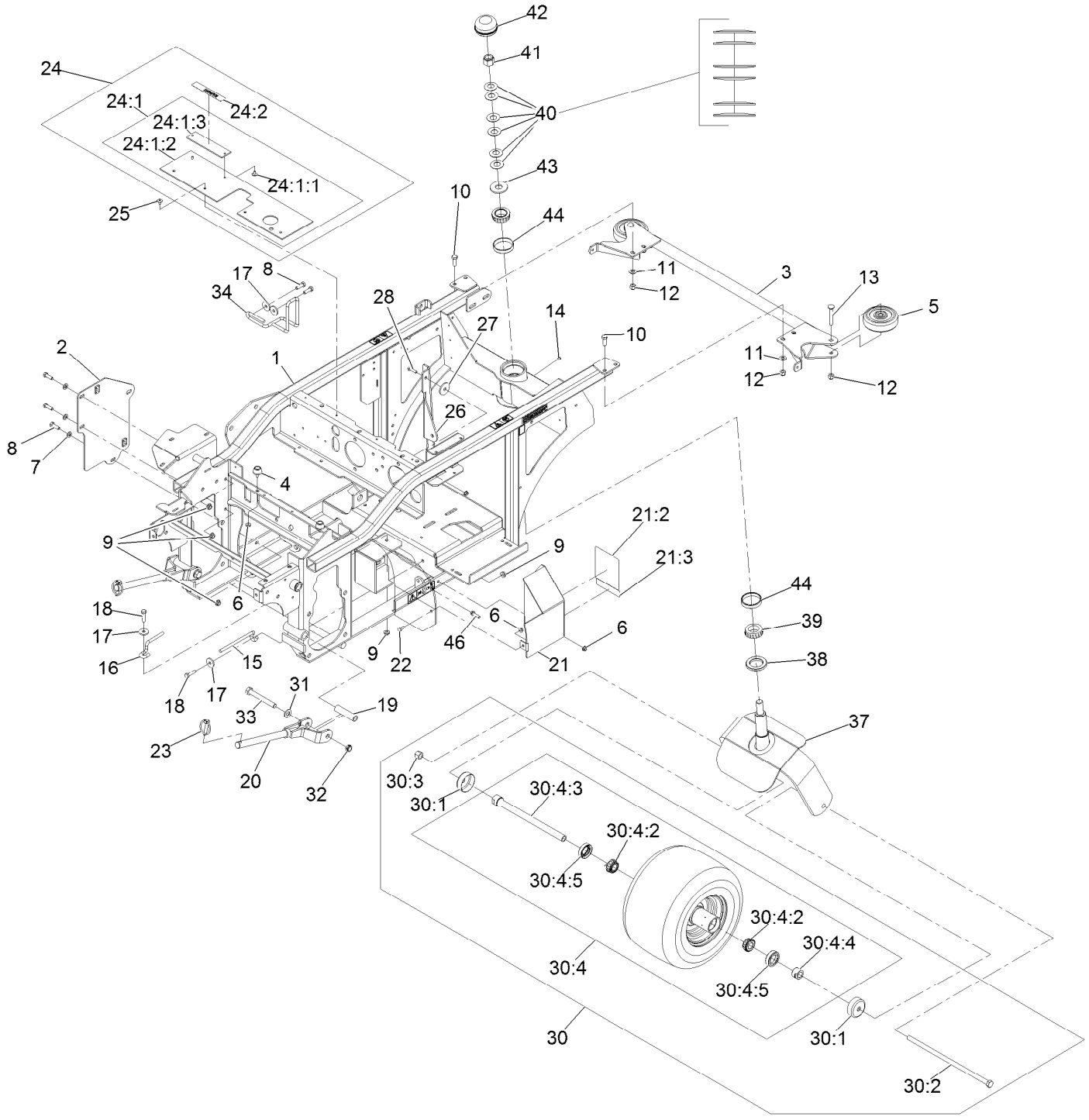
Spring Lift Assist Assembly No. 116-7851



Spring Lift Assist Assembly No. 116-7851 (continued)

Ref.	Part Number	Qty.	Description
1	103-4284	1	Tensioner-Spring
2	103-4285	1	Mount-Lift Assist, Deck
3	103-3773	1	Shaft-Adjustment, Spring
4	103-4281	1	Spring-Extension
5	103-3772	1	Plug-Adjuster, Spring
6	614672	1	Screw-Shoulder, HWH
7	3296-39	2	Nut-Lock, NI
8	103-7865	1	Spring-Tube
9	3256-28	1	Washer-Flat
10	103-7353	1	Pin-Cut Height
11	103-7971	1	Cover-Spring, Deck

Main Frame Assembly

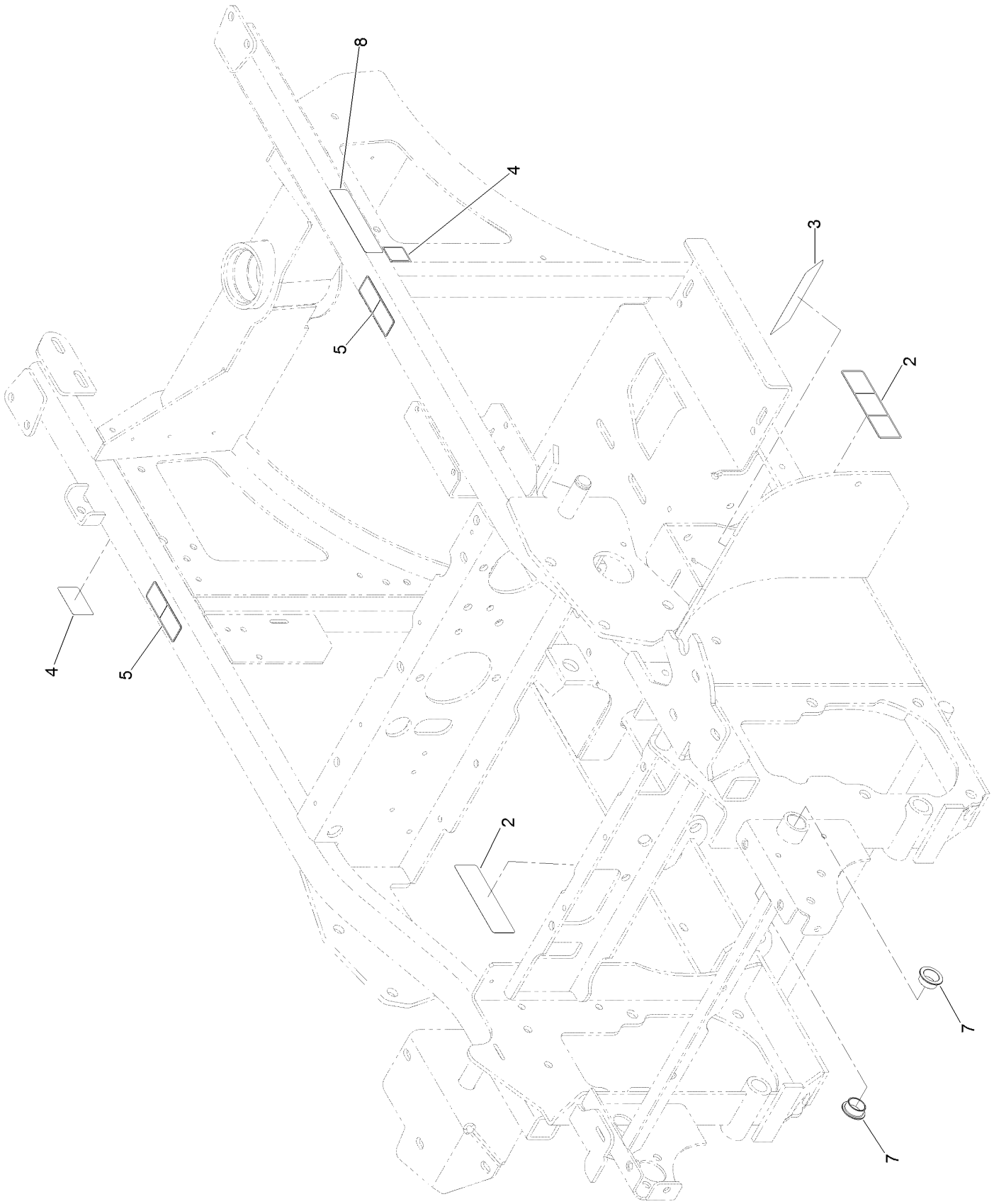


Main Frame Assembly (continued)

Ref.	Part Number	Qty.	Description
1	116-7482	1	Frame ASM
2	116-7396-03	1	Plate-Support
3	109-0925-03	1	Bumper-Rear
4	109-2365	1	Bumper-Rubber
5	103-5408	2	Roller-Bumper
6	32128-33	5	Nut-Whizlock 1/4-20
7	3256-23	3	Washer-5/16 SAE
8	322-5	5	Screw-HH 5/16-18 X 1
9	32128-20	5	Nut-Whizlock 5/16-18
10	323-6	4	Screw-HH 3/8-16 X 1
11	3256-24	4	Washer-3/8 SAE
12	3296-39	6	Nut-Nyloc 3/8-16
13	3231-31	2	Bolt-Carriage 3/8-16 X 2 1/2
14	1-811010	1	Plug
15	103-8333	1	Guide-Belt
16	103-8349	1	Guide-Belt
17	1-613235	4	Washer
18	322-6	2	Screw-HH 5/16-18 X 1 1/4
19	1-633060	2	Spacer-Wheel, Short
20	103-6596-03	2	Rod-Push
21	130-2879	1	Drive Shield ASM
21:2	116-8941	1	Decal-Belt Routing
21:3	98-1977	1	Decal-Warning
22	321-3	1	Screw-HH 1/4-20 X 5/8
23	103-4155	2	Pin-Lynch
24	103-9476	1	Lift Shield ASM
24:1		1	Shield-Lift ●
24:1:1	1-803035	2	Rivet 3/16 X 1/4
24:1:2	103-8819	1	Flap-Guard
24:1:3	103-9114-03	1	Plate-Decal
24:2	98-1977	1	Decal-Warning
25	1-803035	4	Rivet 3/16 X 1/4
26	109-5874-03	1	Brace-PTO
27	1-213069	1	Washer
28	321-6	1	Screw-HH 1/4-20 X 1
30	103-9494	1	Asm, Rear Caster Wheel W/Axle
30:1	103-2768	2	Guard-Seal
30:2	103-7738	1	Screw-HH 1/2-13 X 13
30:3	3296-23	1	Nut-Nyloc 1/2-13
30:4	103-5305	1	Asm, Wheel Tire And Brg 13X8.00-6 Sp
30:4:2	1-633585	2	Bearing-Cone Tapered Roller
30:4:3	126-5362	1	Axle Caster ASM
30:4:4	103-3051	1	Spacer-Nut ■
30:4:5	103-0063	2	Seal-Double Lip
31	3256-26	2	Washer-1/2 SAE
32	3296-45	2	Nut-Nyloc 1/2-13 Thin
33	325-17	2	Screw-HH 1/2-13 X 4
34	135-5784	1	Wld-Belt Guide
37	103-3351-03	1	Fork-Rear Caster
38	103-9027	1	Seal-Grease
39	103-9028	2	Cone-Bearing Taper Roller
40	1-633508	6	Washer-Spring Disc
41	3296-51	1	Nut-Nyloc 3/4-10
42	126-9882	1	Cap-Grease
43	3256-8	1	Washer
44	103-9029	2	Cup-Bearing Tapered Roller
46	120-4654	1	Screw-HHF

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

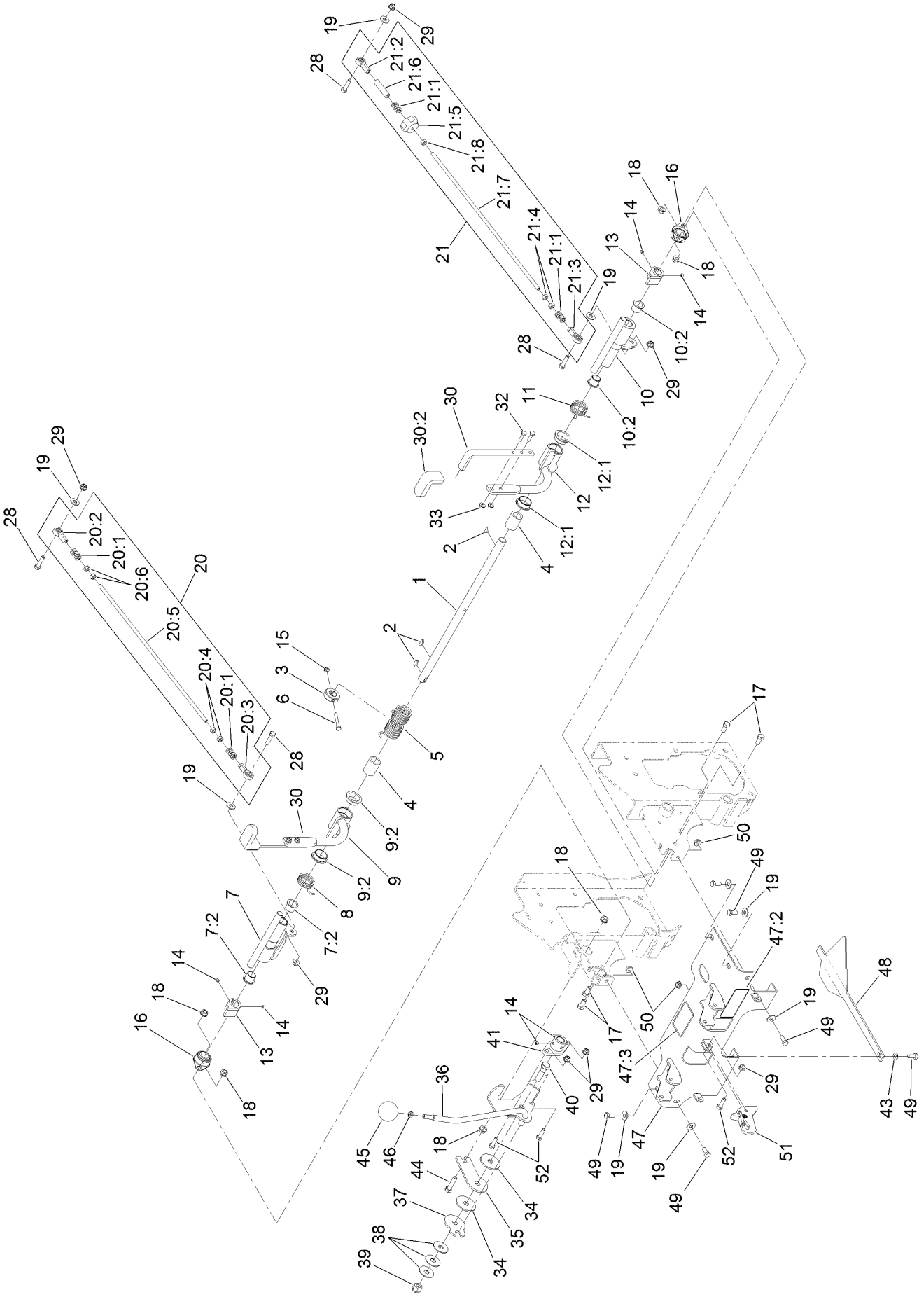
Frame and Decal Assembly No. 116-7482



Frame and Decal Assembly No. 116-7482 (continued)

Ref.	Part Number	Qty.	Description
2	112-9028	2	Decal-Cover, Missing
3	126-4207	1	Decal-Adjustment, Clutch
4	106-5517	2	Decal-Warning
5	120-0625	2	Decal-Warning
7	108519	2	Bushing-Bronze
8	133-8062	1	Decal-Arrestor, Spark

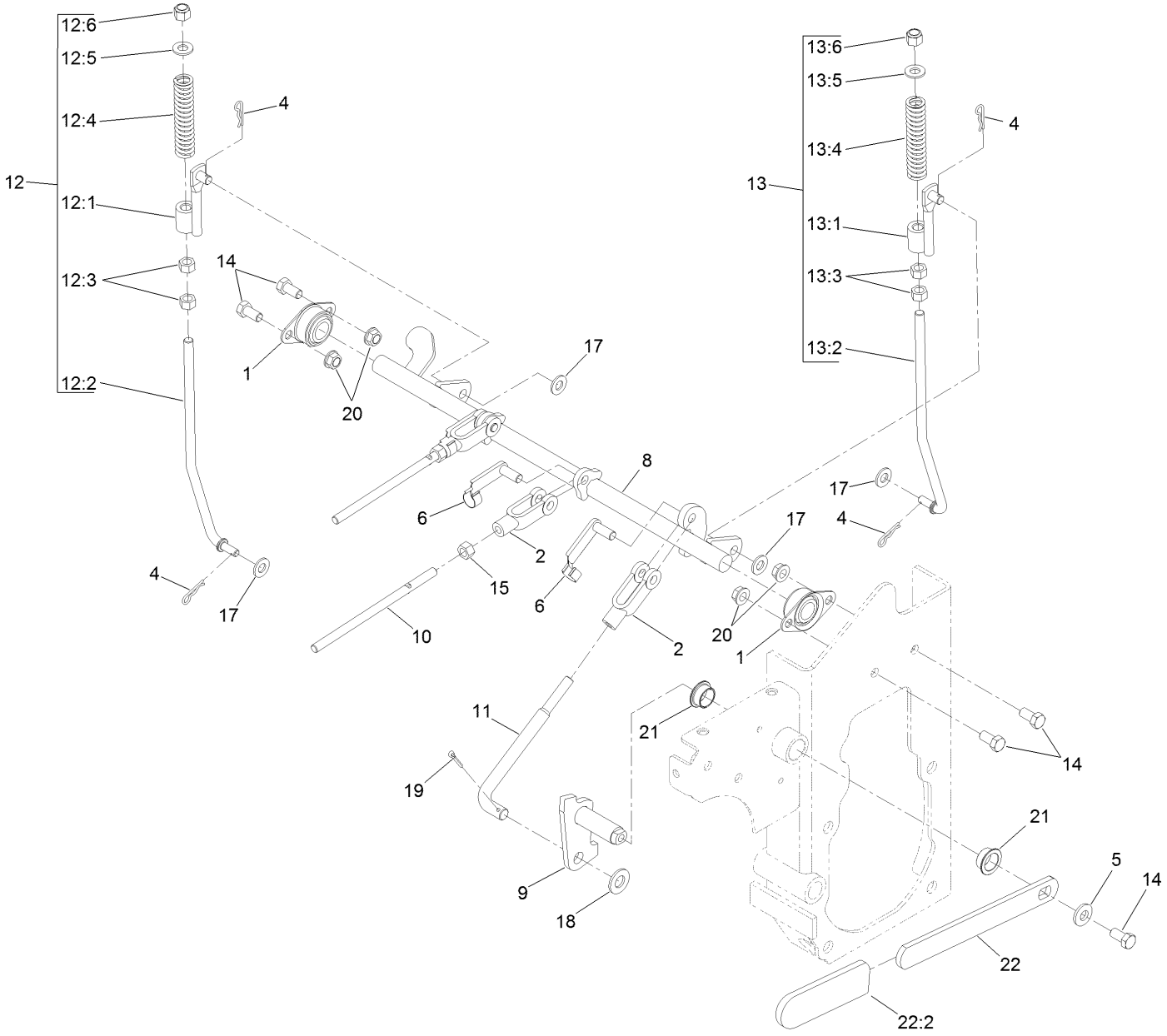
Speed Control Assembly



Speed Control Assembly (continued)

Ref.	Part Number	Qty.	Description
1	116-7856	1	Shaft-Control, Speed
2	3257-5	3	Key-Woodruff
3	116-7372	1	Stop-Hub, Center
4	116-7414	2	Bushing-Plastic
5	116-8475	1	Spring-Torsion, Double
6	321-11	1	Screw-HH
7	116-8444	1	RH Control Hub ASM
7:2	103-4398	2	Bearing-Flange, Iglide
8	116-7380	1	Spring-Torsion, RH
9	126-7461	1	RH Steering Handle ASM
9:2	116-7422	2	Bearing-Flange, Iglide
10	116-7416	1	LH Control Hub ASM
10:2	103-4398	2	Bearing-Flange, Iglide
11	116-7381	1	Spring-Torsion, LH
12	126-7463	1	LH Steering Handle ASM
12:1	116-7422	2	Bearing-Flange, Iglide
13	103-4342	2	Hub-Speed Control
14	108-0989	6	Screw-Set
15	3296-56	1	Nut-Lock, NI
16	1-633102	2	Bearing-Flange, Side
17	323-4	4	Screw-HH
18	3290-357	6	Nut-HHF, Whiz
19	3256-3	9	Washer-Flat
20	116-9667	1	RH Pump Linkage ASM
20:1	1-323245	2	Spring-Compression
20:2	1-543017	1	Balljoint-RH
20:3	1-633152	1	Balljoint-LH
20:4	1-804524	2	Nut
20:5	116-7492	1	Rod-Linkage, Steering
20:6	3219-2	2	Nut-Hex
21	116-9668	1	LH Pump Linkage ASM
21:1	1-323245	2	Spring-Compression
21:2	1-543017	1	Balljoint-RH
21:3	1-633152	1	Balljoint-LH
21:4	1-804524	2	Nut
21:5	103-3060	1	Knob-Tracking
21:6	103-5945	1	Spacer
21:7	116-7492	1	Rod-Linkage, Steering
21:8	3219-2	1	Nut-Hex
28	322-6	4	Screw-HH
29	104-8300	7	Nut-HF, NI
30	116-9246	2	Handle ASM
30:2	103-5994	1	Grip-Handle, Steering
32	321-5	4	Screw-HH
33	32128-33	4	Nut-HF
34	103-5009	2	Disc-Friction
35	116-7846	1	Plate-Friction, Speed Control
36	116-7845	1	Lever-Speed Control
37	116-7849	1	Plate-Friction, Speed Control
38	103-5018	3	Washer-Disc, Spring
39	3296-19	1	Nut-Hex
40	116-7848	1	Screw-HH
41	116-7859	1	Hub-Control, Speed
43	3256-23	1	Washer-Plain
44	323-8	1	Screw-HH
45	103-4397	1	Knob-Ball, Speed Control
46	3218-3	1	Nut-Jam
47	116-7384	1	Console ASM
47:2	116-9049	1	Decal-Danger, Driveline
47:3	116-8946	1	Decal-Motor, Wheel
48	103-5993-03	1	Guide-Plenum
49	322-3	6	Screw-HH
50	32128-20	3	Nut-HF
51	103-8494	1	Hook
52	322-5	3	Screw-HH

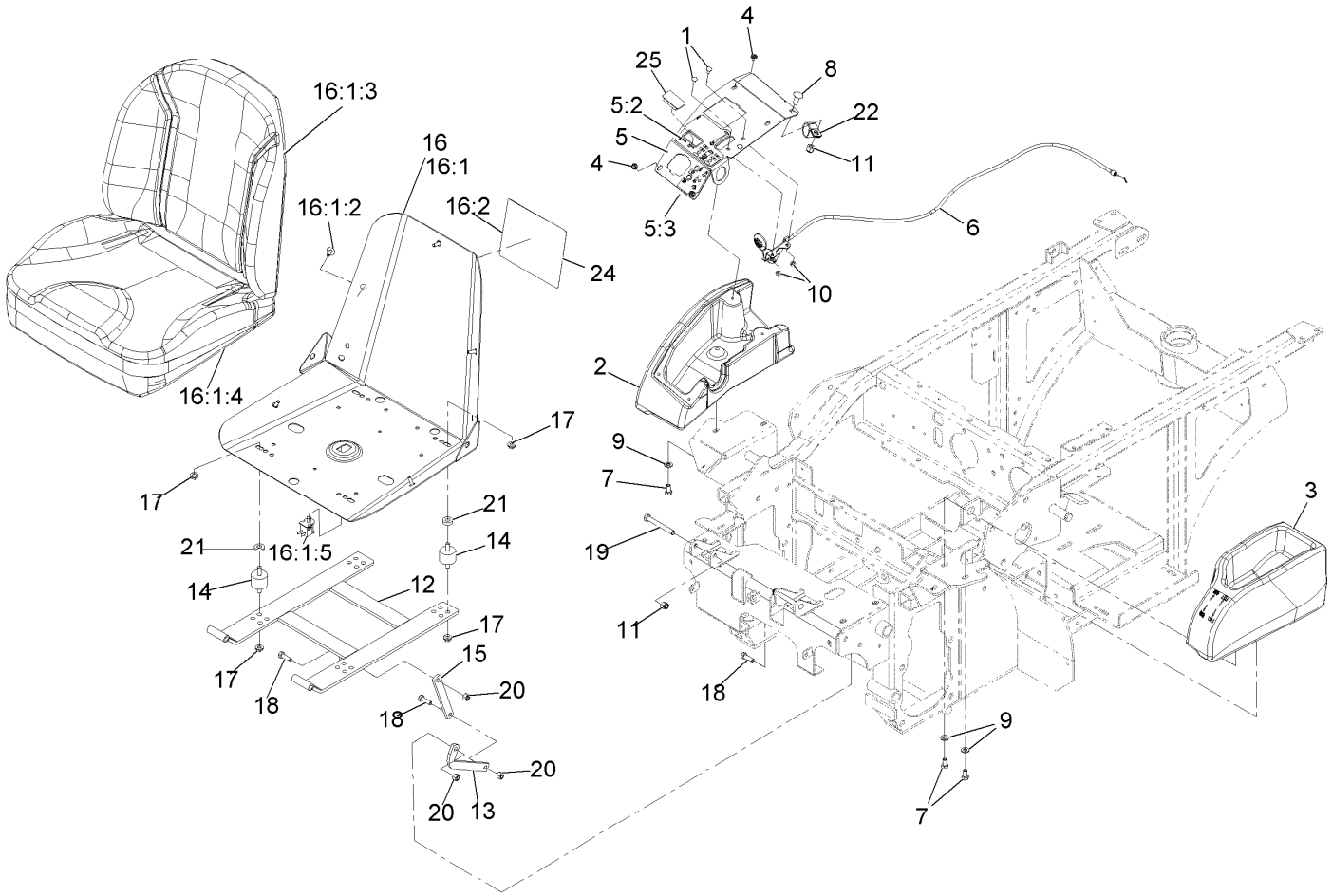
Parking Brake Assembly



Parking Brake Assembly (continued)

Ref.	Part Number	Qty.	Description
1	1-633102	2	Bearing-Flange, Side
2	1-633131	3	Yoke-Linkage, Brake
4	1-806003	4	Pin-Cotter
5	98-5975	1	Washer-Belleville
6	103-2399	3	Pin-Spring, Clevis
8	116-7483-03	1	Shaft-Brake
9	116-7486	1	Pivot-Brake
10	116-7838	2	Rod-Linkage, Brake
11	116-8474	1	Rod-Linkage, Brake
12	116-9748	1	RH Brake Linkage ASM
12:1	116-8467	1	Brake Linkage ASM
12:2	116-8465	1	Link-Brake, RH
12:3	3219-3	2	Nut-Hex
12:4	116-8470	1	Spring-Compression
12:5	3256-24	1	Washer-Flat
12:6	3296-6	1	Nut-Lock
13	116-9749	1	LH Brake Linkage ASM
13:1	116-8467	1	Brake Linkage ASM
13:2	116-8464	1	Link-Brake, LH
13:3	3219-3	2	Nut-Hex
13:4	116-8470	1	Spring-Compression
13:5	3256-24	1	Washer-Flat
13:6	3296-6	1	Nut-Lock
14	323-4	5	Screw-HH
15	3219-3	2	Nut-Hex
17	3256-24	4	Washer-Flat
18	3256-26	1	Washer-Flat
19	3272-10	1	Pin-Cotter
20	3290-357	4	Nut-HHF, Whiz
21	108519	2	Bushing-Bronze
22	103-9469	1	Park Brake Handle ASM
22:2	1-633268	1	Grip-Lever

Seat Assembly

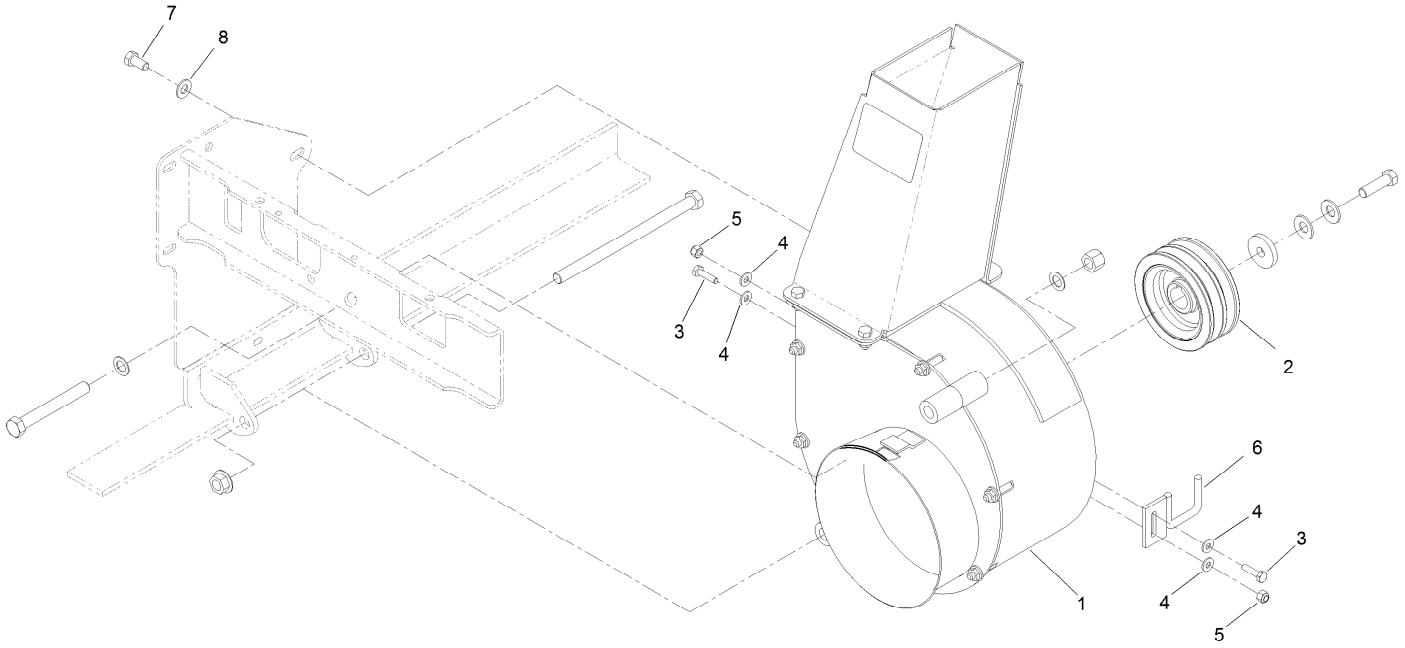


Seat Assembly (continued)

Ref.	Part Number	Qty.	Description
1	1-807513	2	Bolt-Carriage #10-24 X 1/2
2	116-9430	1	Console-RH
3	126-4342	1	Console, LH Grey
4	109-2661	4	Screw-PPH #10-24 X 1/2
5	116-9373	1	Control Panel ASM
5:2	116-9357	1	Decal-Console
5:3	126-7425	1	Decal-Speed Control
6	109-4641	1	Cable-Throttle
7	322-2	6	Screw-HH 5/16-18 X 5/8
8	3231-27	1	Bolt-Carriage 3/8-16 X 7/8
9	3256-23	6	Washer-5/16 SAE
10	3296-2	2	Nut-Nyloc #10-24
11	3296-39	3	Nut-Nyloc 3/8-16
12	103-4362-03	1	Frame-Seat
13	116-9554	1	Link-Seat Stop
14	103-5496	4	Mount-Vibration, Rubber
15	103-8563	1	Link-Seat
16	126-9643	1	ASM-Seat W/Decal
16:1		1	ASM-Seat, Navigator ●
16:1:2	103-8383	5	Bolt-Seat
16:1:3	131-4150	1	Cushion-Seat, Back
16:1:4	126-5900	1	Cover-Seat Bottom Svc
16:1:5	82-2190	1	Switch-Bail
16:2	116-9044	1	Decal-Service Aid
17	32128-20	8	Nut-Whizlock 5/16-18
18	322-5	3	Screw-HH 5/16-18 X 1
19	323-14	2	Screw-HH 3/8-16 X 3
20	3296-29	3	Nut-Nyloc 5/16-18
21	5-0652	4	Spacer
22	1-643312	1	Clip-Loom
24	116-9044	1	Decal-Service Aid
25	99-7420	1	Plug-Hole

● Not serviced separately

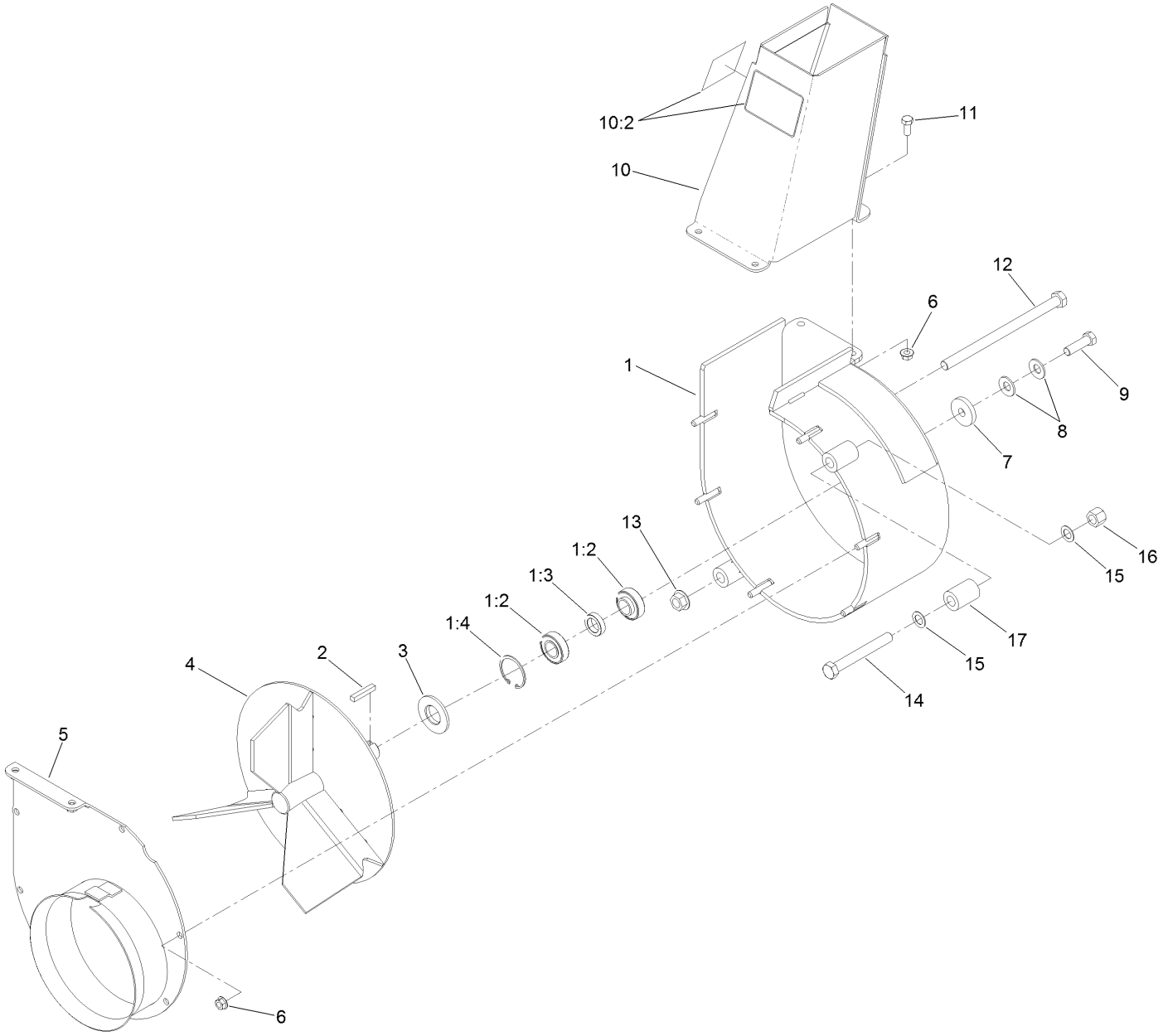
Blower Mounting Assembly



Blower Mounting Assembly (continued)

Ref.	Part Number	Qty.	Description
1	116-9649	1	Blower ASM
2	103-6733	1	Sheave-Blower
3	321-6	2	Screw-HH
4	3256-22	4	Washer-Flat
5	3296-42	2	Nut-Lock, NI
6	103-9167-03	1	Guide
7	323-4	1	Screw-HH
8	3256-24	1	Washer-Flat

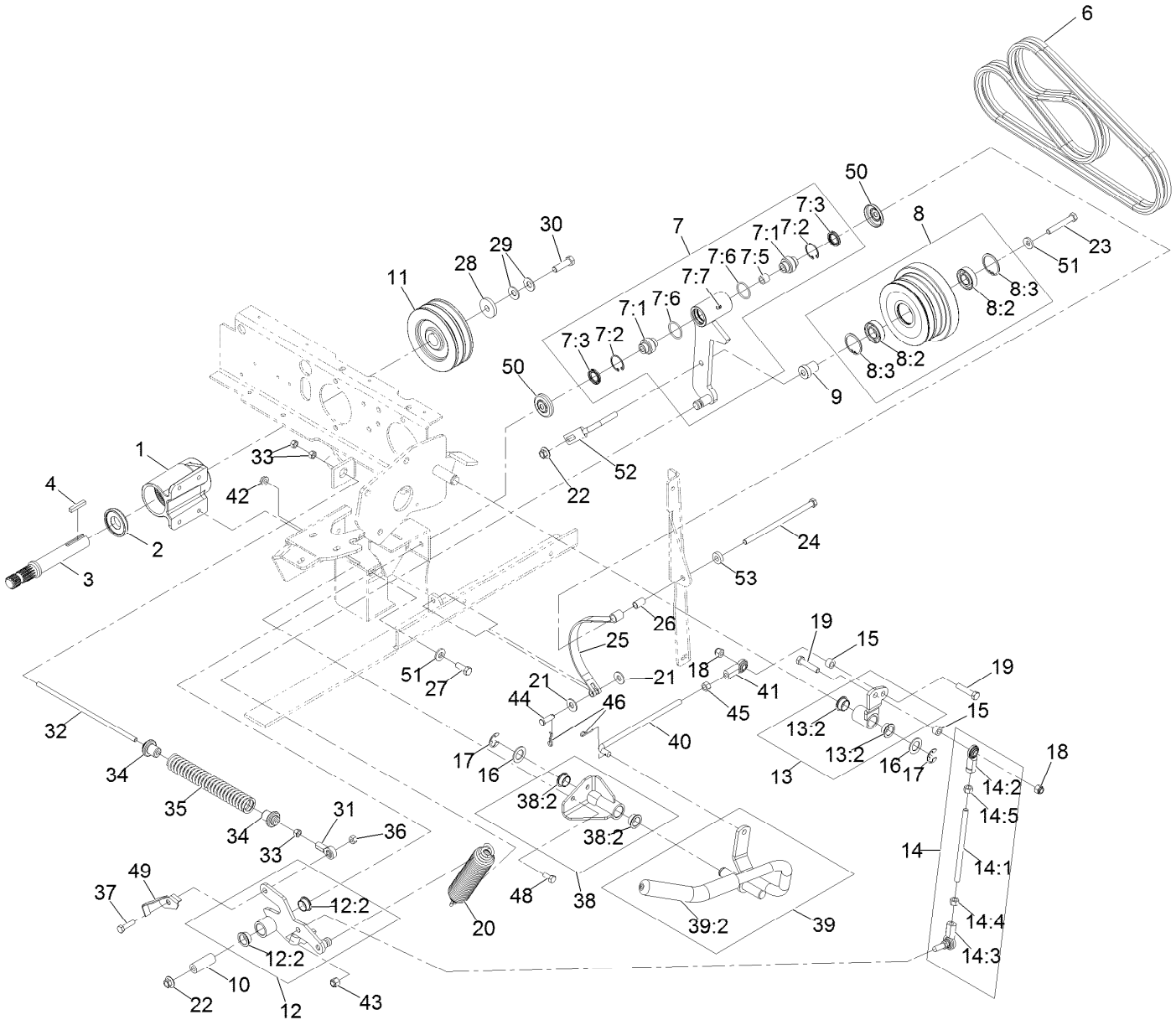
Blower Assembly No. 116-9649



Blower Assembly No. 116-9649 (continued)

Ref.	Part Number	Qty.	Description
1	116-9648	1	Housing ASM
1:2	103-3540	2	Bearing-Ball
1:3	103-4921	1	Spacer-Bearing
1:4	32120-8	2	Ring-Snap
2	67-7490	1	Key-Square
3	103-3894	1	Spacer-Blower
4	103-5194	1	Impeller-3 Blade
5	103-3370-03	1	Cover-Blower
6	32128-20	10	Nut-HF
7	1-543610	1	Washer-Clutch
8	1-603610	2	Washer-Spring
9	3212-6	1	Screw-HH
10	103-9474	1	Discharge Chute ASM
10:2	116-8943	2	Decal-Danger, Impeller
11	322-3	4	Screw-HH
12	325-42	1	Screw-HH
13	32128-23	1	Nut-HF
14	325-17	1	Screw-HH
15	18-9810	2	Washer-Thrust
16	3296-23	1	Nut-Lock, NI
17	103-6999	1	Spacer-Mount

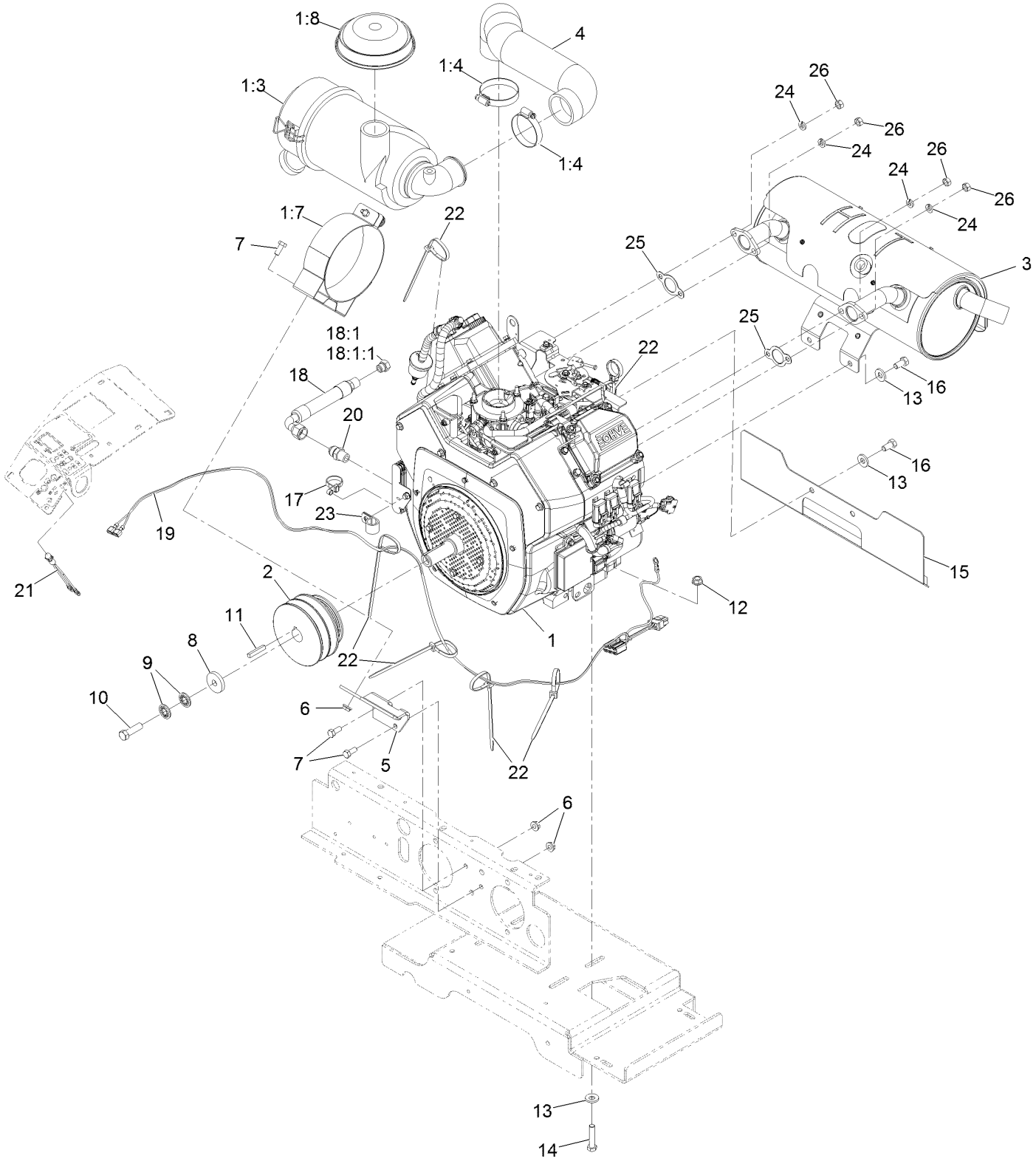
Drive Assembly



Drive Assembly (continued)

Ref.	Part Number	Qty.	Description
1	103-2544	1	Jackshaft ASM
2	103-2535	1	Spacer-Guard, Bottom
3	103-6735	1	Jackshaft
4	67-7490	1	Key-Square
6	103-6737	1	Belt, Matched Pair
7	103-8253	1	Idler Pivot ASM
7:1	103-3504	2	Bearing-Spherical
7:2	32120-10	2	Ring-Snap
7:3	103-3506	2	Seal-Lip, Single
7:5	1-413088	1	Bushing-Lever, Lift
7:6	106-7159	2	O-Ring
7:7	302-19	1	Fitting-Grease
8	103-9439	1	Idler Sheave ASM
8:2	251-347	2	Bearing-Ball
8:3	32151-13	2	Ring-Retaining
9	103-7350	1	Spacer-Idler
10	103-7382	1	Bushing
11	103-6732	1	Sheave
12	103-9296	1	Arm ASM
12:2	108519	2	Bushing-Bronze
13	103-9297	1	Arm ASM
13:2	108519	2	Bushing-Bronze
14	103-7392	1	Clutch Link ASM
14:1	103-7393	1	Rod-Linkage
14:2	103-1167	1	Joint-Ball End, LH
14:3	103-7994	1	Balljoint-RH
14:4	3219-3	1	Nut-Hex
14:5	3219-20	1	Nut-Hex, LH
15	92-9025	2	Spacer
16	1-303007	2	Washer
17	32151-48	2	E-Ring
18	3296-39	2	Nut-Lock, NI
19	323-9	2	Screw-HH
20	109-0148	1	Spring-Extension
21	3256-4	2	Washer-Flat
22	32128-19	2	Nut-HF
23	323-12	1	Screw-HH
24	323-36	1	Screw-HH
25	103-7697	1	Band-Brake
26	103-9816	1	Spacer
27	323-6	4	Screw-HH
28	1-543610	1	Washer-Clutch
29	1-603610	2	Washer-Spring
30	3212-6	1	Screw-HH
31	1-543017	1	Balljoint-RH
32	103-7996	1	Linkage-Rod, PTO Brake
33	3219-2	3	Nut-Hex
34	103-8254	2	Bushing-Spring
35	103-7997	1	Spring-Brake
36	3296-29	1	Nut-Lock, NI
37	322-6	1	Screw-HH
38	103-9295	1	Pivot ASM
38:2	108519	2	Bushing-Bronze
39	103-9486	1	PTO Handle ASM
39:2	103-8153	1	Grip-Lever, Control
40	103-8277	1	Link-Handle
41	103-0608	1	Joint-Ball, End
42	32128-20	2	Nut-HF
43	3296-6	1	Nut-Lock
44	283-2	1	Pin-Clevis
45	3219-3	1	Nut-Hex
46	1-806003	2	Pin-Cotter
48	322-3	2	Screw-HH
49	103-8716-03	1	Switch-Flag
50	103-2916	2	Guard-Top
51	98-5975	5	Washer-Belleville
52	109-5491	1	Guide-Belt
53	5-0652	1	Spacer

Engine Assembly



Engine Assembly (continued)

Ref.	Part Number	Qty.	Description
1		1	Engine-Kohler, Ech730-3064 ●■
1:3	103-8569	1	Air Cleaner Canister ASM
1:4	2412-42	2	Clamp-Hose
1:7	103-1058	1	Bracket-Filter, Air
1:8	100-2436	1	Asm-Hood Air Intake W/Clamp
2	103-6731	1	Sheave-Engine
3	116-3961	1	Muffler
4	116-4016	1	Hose-Air Intake
5	103-3695-03	1	Bracket-Filter, Air
6	32128-20	4	Nut-Whizlock 5/16-18
7	322-3	4	Screw-HH 5/16-18 X 3/4
8	1-543610	1	Washer
9	1-603610	2	Washer-Spring Disc 7/16
10	3212-6	1	Screw-HH 7/16-20 X 1 1/2 ◆
11	67-7490	1	Key-Machine 1/4 X 1/4 X 1 1/2
12	3290-357	4	Nut-Whizlock 3/8-16
13	98-5975	8	Washer-Spring Disc 3/8
14	323-9	4	Screw-HH 3/8-16 X 1 3/4
15	109-0181-03	1	Shield-Exhaust
16	323-4	4	Screw-HH 3/8-16 X 3/4
17	109-7896	1	Tie-Cable
18	116-5338	1	Oil Drain Hose ASM
18:1	353-508	1	Plug-W/O-Ring
18:1:1	237-42	1	O-Ring
19	116-4543	1	Harness-Light Indicator (EFI)
20	116-1455	1	Fitting-Straight ▲
21	1-643267	1	Indicator-Red LED
22	1-303335	6	Tie-Cable 7 15/16 (Large)
23	1-633396	1	Clip-Loom 5/8
24	1-805005	4	Washer-Lock 5/16 Heavy
25	1-653291	2	Gasket-Exhaust
26	33014-00	4	Nut-Hex M8-1.25

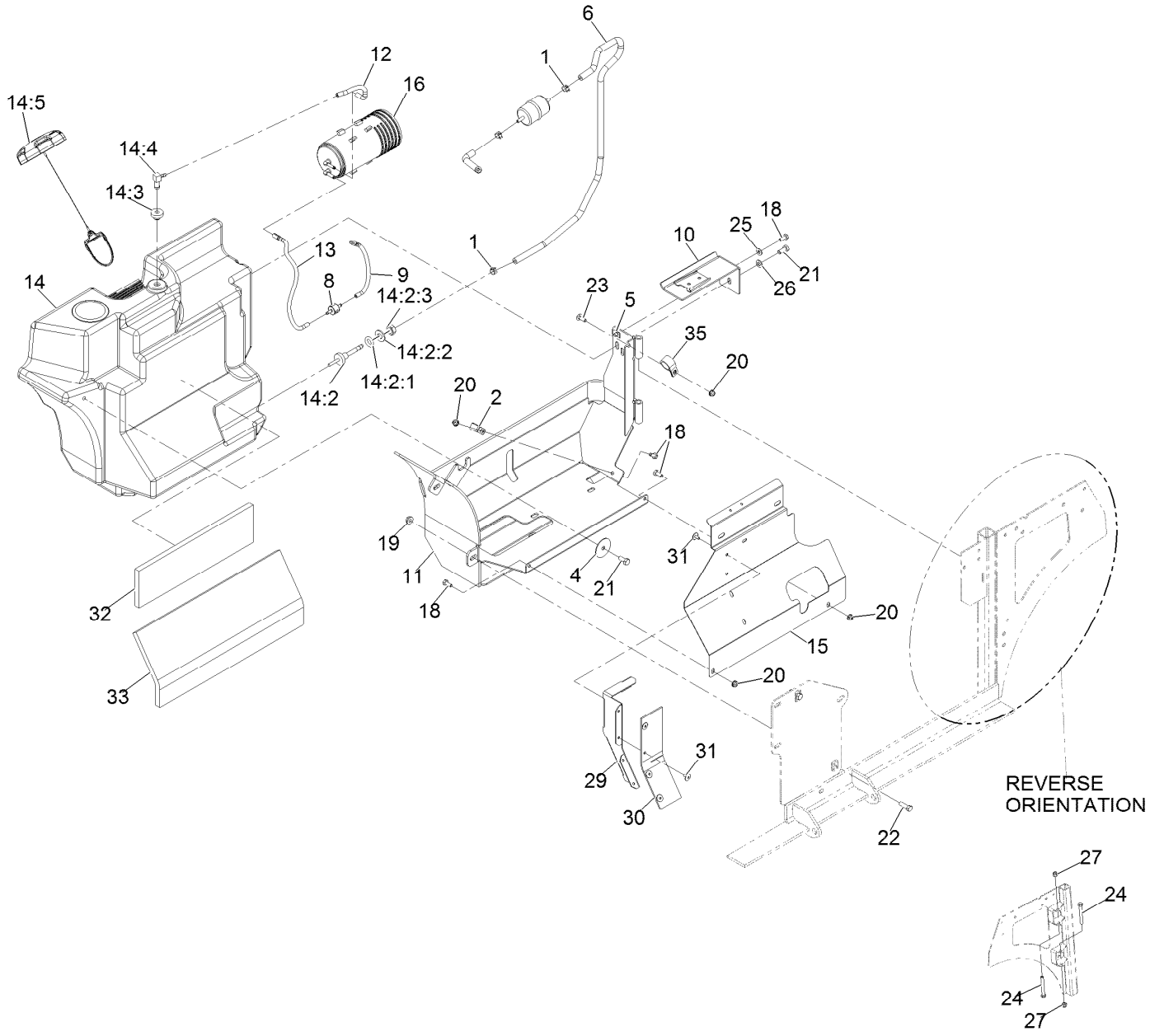
● Not serviced separately

▲ 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.kohlerplus.com

Fuel Tank Assembly

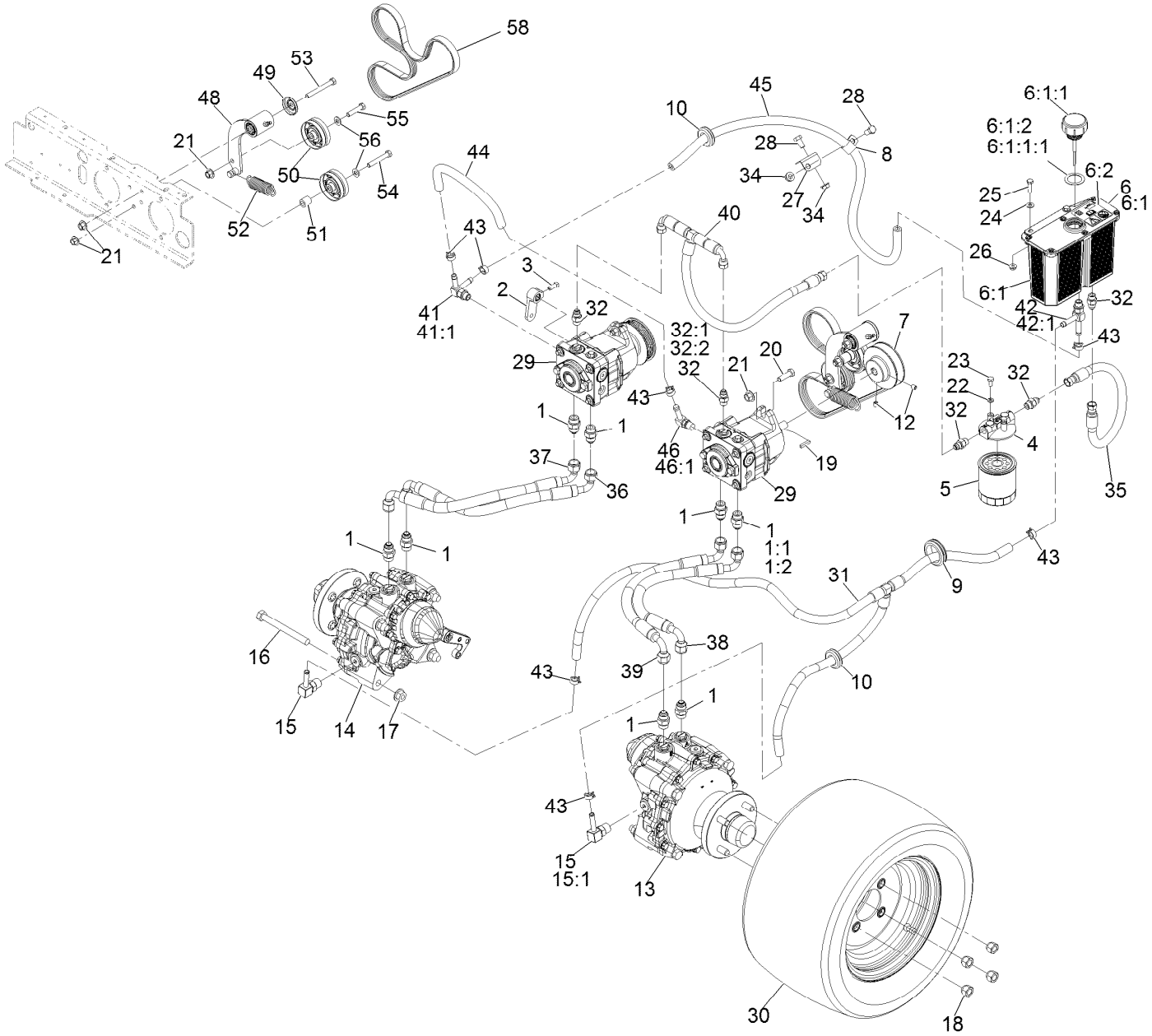


Fuel Tank Assembly (continued)

Ref.	Part Number	Qty.	Description
1	2412-98	2	Clamp-Hose
2	1-513762	1	Clip-Loom 1/2
4	1-653036	1	Washer
5	107069	1	Nut-Retainer-Panel 1/4-20
6	116-5366	1	Fuel Line ASM
8	133-8499	1	Valve-Check, Vacuum
9	116-2619	1	Hose-Vent, Formed
10	116-2847-03	1	Canister Bracket ASM
11	116-2848-03	1	Tank Frame ASM
12	116-2966	1	Hose-Vent, Formed
13	116-2967	1	Hose-Vent, Formed
14	116-8365	1	Fuel Tank ASM
14:2	103-6057	1	Fitting-Fuel Bulkhead W/Screen ●
14:2:1	103-2784	1	O-Ring
14:2:2	3256-26	1	Washer-1/2 SAE
14:2:3	3220-5	1	Nut-Jam 1/2-20
14:3	46-6560	1	Bushing
14:4	100-1596	1	Fitting-90 DEG
14:5	137-4119	1	Cap-Fuel, Ratcheting
15	116-7928-03	1	Panel-Tank Shield
16	117-1221	1	Canister-Carbon, 800Cc
18	321-3	4	Screw-HH 1/4-20 X 5/8
19	32128-20	2	Nut-Whizlock 5/16-18
20	104-7201	4	Nut-Nyloc 1/4-20 Flg
21	322-3	2	Screw-HH 5/16-18 X 3/4 ●
22	322-5	2	Screw-HH 5/16-18 X 1 ■
23	3229-1	1	Bolt-Carriage 1/4-20 X 3/4
24	323-14	2	Screw-HH 3/8-16 X 3
25	3256-22	1	Washer-1/4 SAE
26	3256-23	1	Washer-5/16 SAE
27	3296-39	2	Nut-Nyloc 3/8-16
29	103-7095-03	1	Deflector-Air
30	103-9658	1	Flap-Rubber
31	1-803035	9	Rivet 3/16 X 1/4
32	103-7825	1	Insulation-Foam Pad, Front
33	103-7824	1	Insulation-Foam Pad, Rear
35	110-0824	1	R-Clamp

● 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 threads.

Hydraulic Assembly

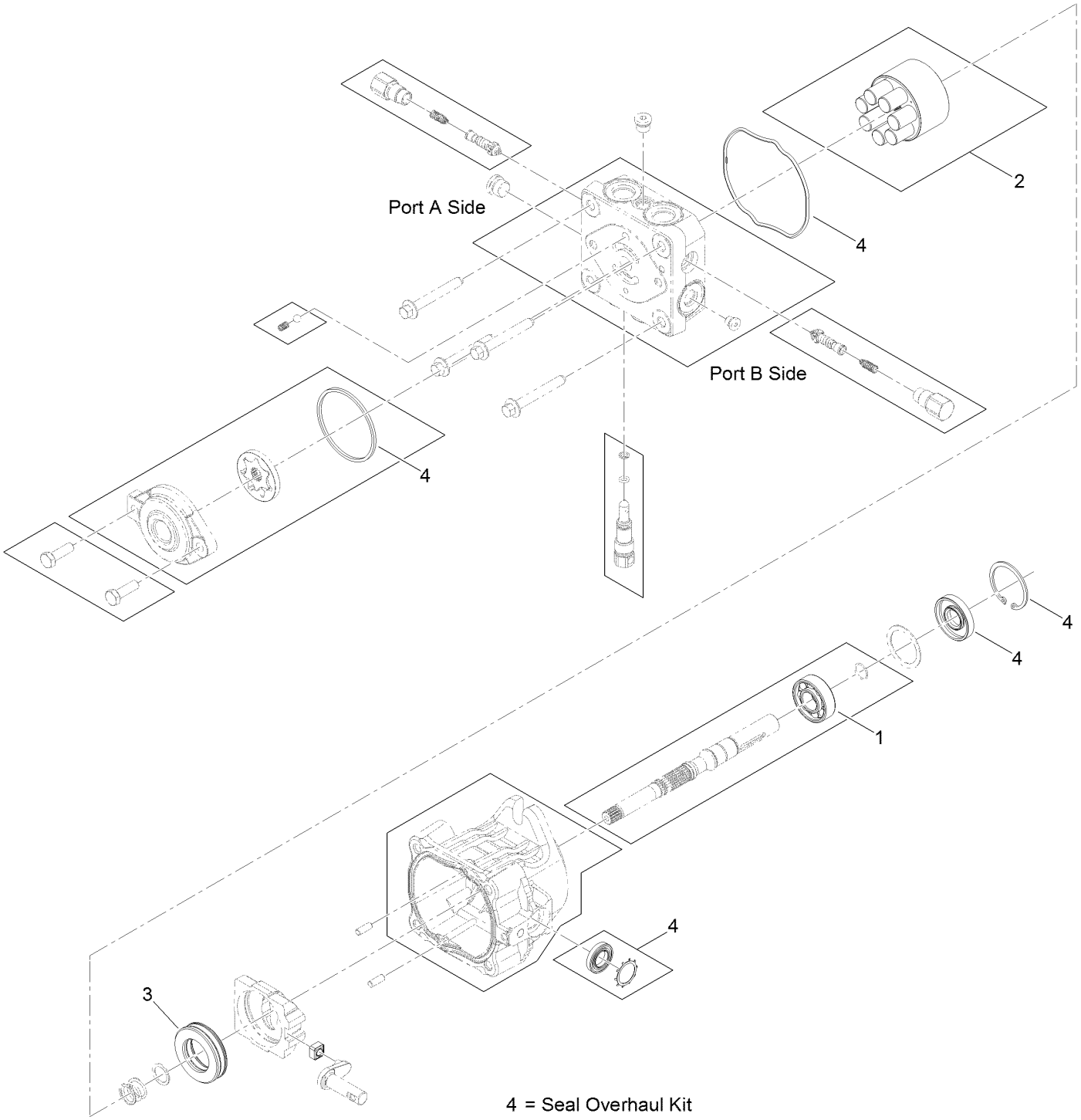


Hydraulic Assembly (continued)

Ref.	Part Number	Qty.	Description
1	1-603990	8	Adapter-Straight
1:1	1-603920	1	O-Ring-SAE #8
1:2	1-603992	1	O-Ring-37 Flare #8
2	1-632208	2	Arm-Control, Pump
3	120-6474	2	Screw-Set, SQH 5/16-18 X 3/4
4	104-7836	1	Filter-Head
5	109-4180	1	Element, Oil Filter
6	116-9274	1	Reservoir ASM
6:1		1	Reservoir-HYD ●
6:1:1	116-9273	1	Reservoir Cap ASM
6:1:1:1	103-1949	1	Gasket-Cap
6:1:2	103-1949	1	Gasket-Cap
6:2	115-4212	1	Decal-Warning
7	103-4246	2	Sheave
8	1-633396	1	Clip-Loom 5/8
9	103-7706	1	Grommet
10	1-543286	2	Grommet
12	1-803310	4	Setscrew-5/16-18 X 3/8
13	116-7401	1	Motor-HYD, LH
14	116-7402	1	Motor-HYD, RH
15	354-134	2	Fitting-90
15:1	237-79	1	O-Ring
16	325-19	8	Screw-HH 1/2-13 X 5
17	32128-49	8	Nut-Whizlock 1/2-13
18	242-50	8	Nut-Lug 1/2-20
19	1-807272	2	Key-5Mm X 5Mm X 25Mm
20	323-7	4	Screw-HH 3/8-16 X 1 1/4
21	32128-43	7	Nut-Whizlock 3/8-16
22	1-805004	2	Washer-Lock 1/4 Heavy
23	321-3	2	Screw-HH 1/4-20 X 5/8
24	3256-22	2	Washer-1/4 SAE
25	321-6	2	Screw-HH 1/4-20 X 1
26	32128-33	2	Nut-Whizlock 1/4-20
27	103-8631	1	Bracket-Clamp
28	323-4	2	Screw-HH 3/8-16 X 3/4
29	116-7836	2	12Cc Hydro Pump ASM
30	116-5634	2	Tire And Wheel ASM
31	116-7831	1	Hydraulic Hose ASM
32	103-2156	5	Adapter-Straight
32:1	1-603921	1	O-Ring-SAE #6
32:2	103-1020	1	O-Ring-37 Flare #6
34	3290-357	2	Nut-Whizlock 3/8-16
35	126-4400	1	Hydraulic Hose ASM
36	116-7827	1	Hydraulic Hose ASM
37	116-7828	1	Hydraulic Hose ASM
38	116-7829	1	Hydraulic Hose ASM
39	116-7830	1	Hydraulic Hose ASM
40	109-1264	1	Hydraulic Hose ASM
41	103-5469	1	Adapter-Tee Special
41:1	237-42	1	O-Ring
42	103-1828	1	Adapter-Running Tee
42:1	237-42	1	O-Ring
43	103-1988	7	Clamp-Hose 11/16
44	103-5452	1	Hose-HYD
45	103-5477	1	Hose-HYD
46	100-4887	1	Fitting-Elbow, 90
46:1	237-42	1	O-Ring
48	103-7349	1	Short Idler ASM
49	103-2916	1	Guard-Top
50	116-6361	2	Pulley
51	106-5574	1	Spacer-Mounting, Steering
52	1-653331	1	Spring
53	323-20	1	Screw-HH 3/8-16 X 3-1/4
54	323-12	1	Screw-HH 3/8-16 X 2 1/2
55	323-9	1	Screw-HH 3/8-16 X 1 3/4
56	3256-24	2	Washer-3/8 SAE
58	103-4244	1	Belt

● Not serviced separately

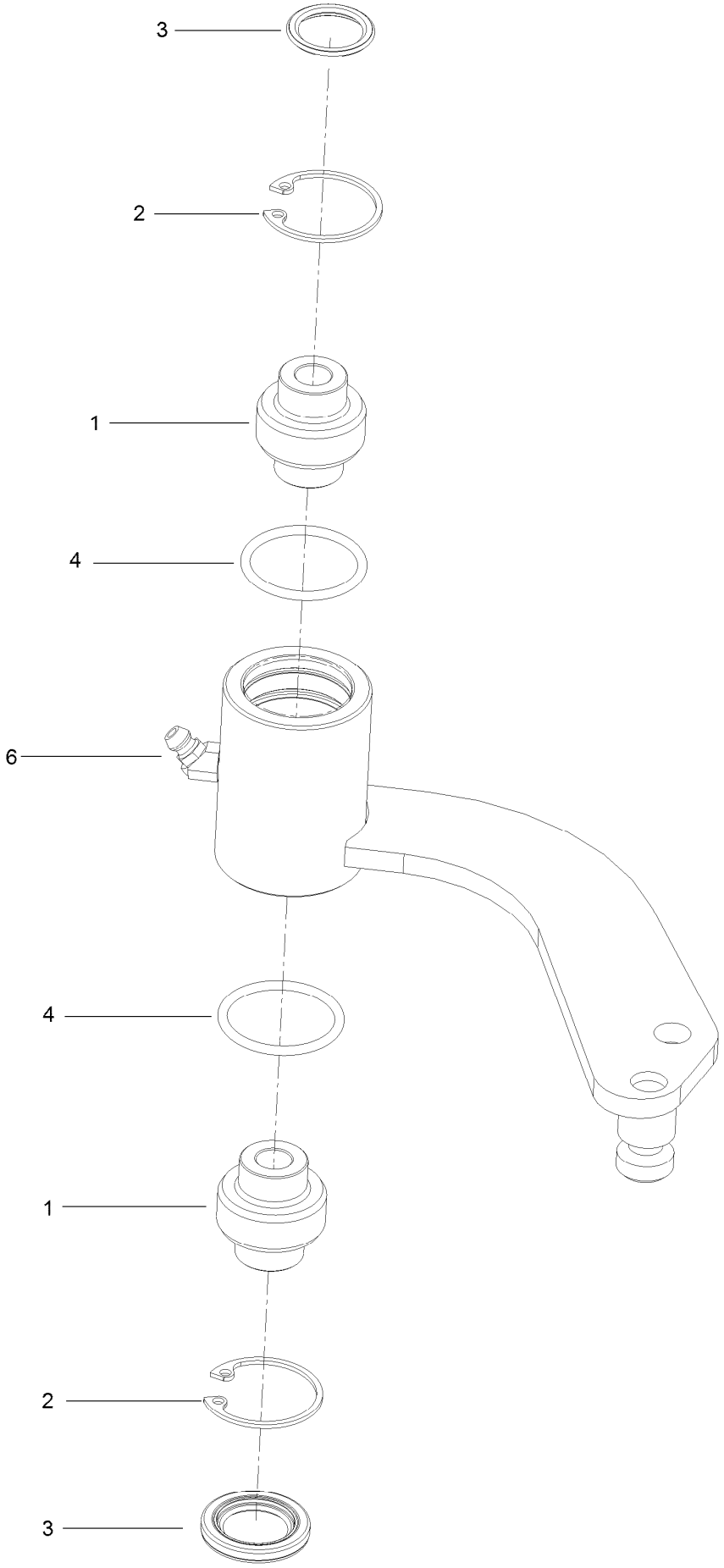
Hydraulic Pump Assembly No. 116-7836



Hydraulic Pump Assembly No. 116-7836 (continued)

Ref.	Part Number	Qty.	Description
1	104-5311	1	Bearing-Ball
2	103-7443	1	Cylinder Block Kit
3	121-3235	1	Bearing-Thrust, Plastic Cage
4	105-6184	1	Seal Overhaul Kit

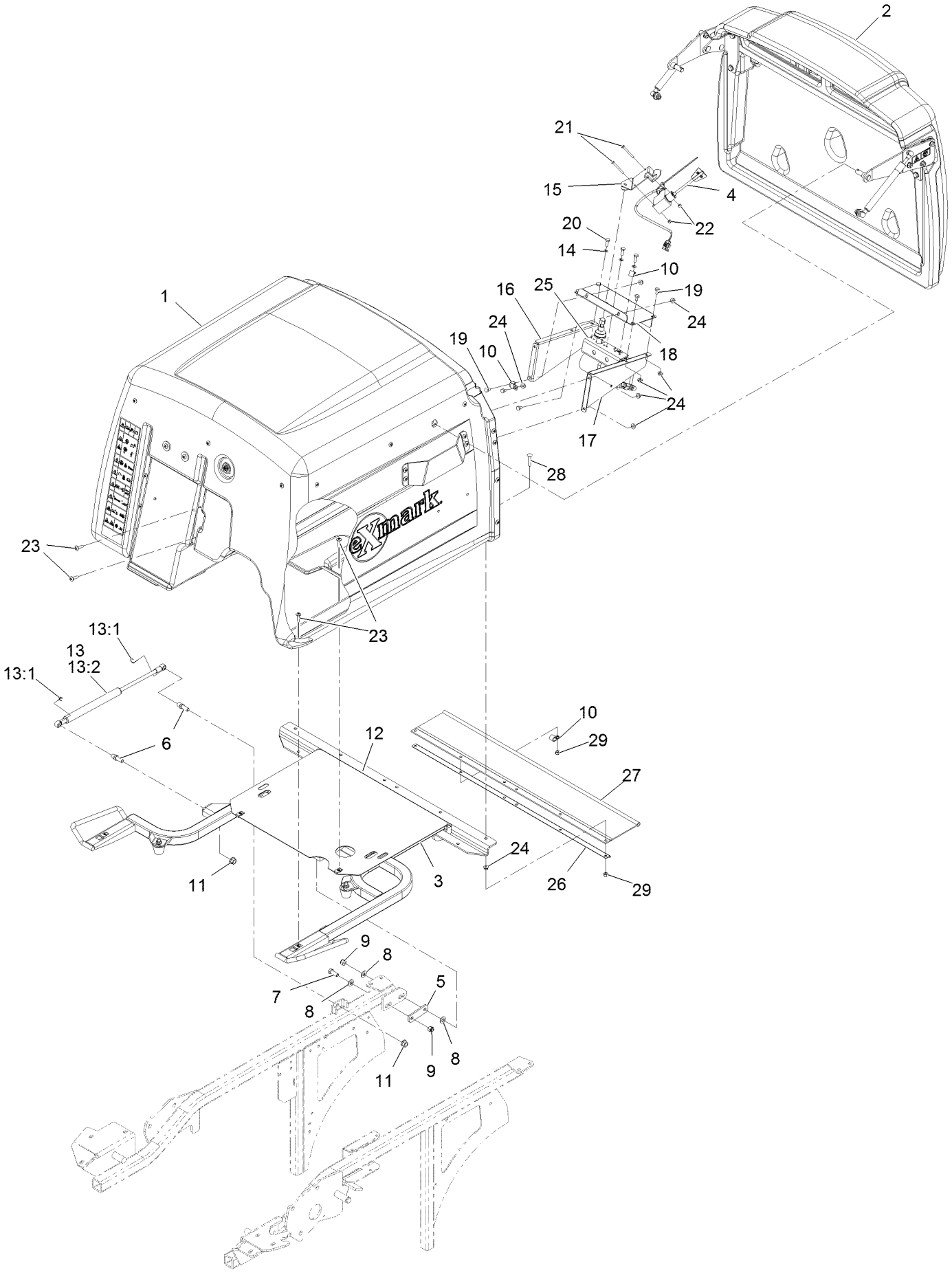
Idler Assembly No. 103-7349



Idler Assembly No. 103-7349 (continued)

Ref.	Part Number	Qty.	Description
1	103-3504	2	Bearing-Spherical
2	32120-10	2	Ring-Snap
3	103-3506	2	Seal-Lip, Single
4	106-7159	2	O-Ring
6	302-11	1	Fitting-Lube, 45 DEG

Hopper Assembly

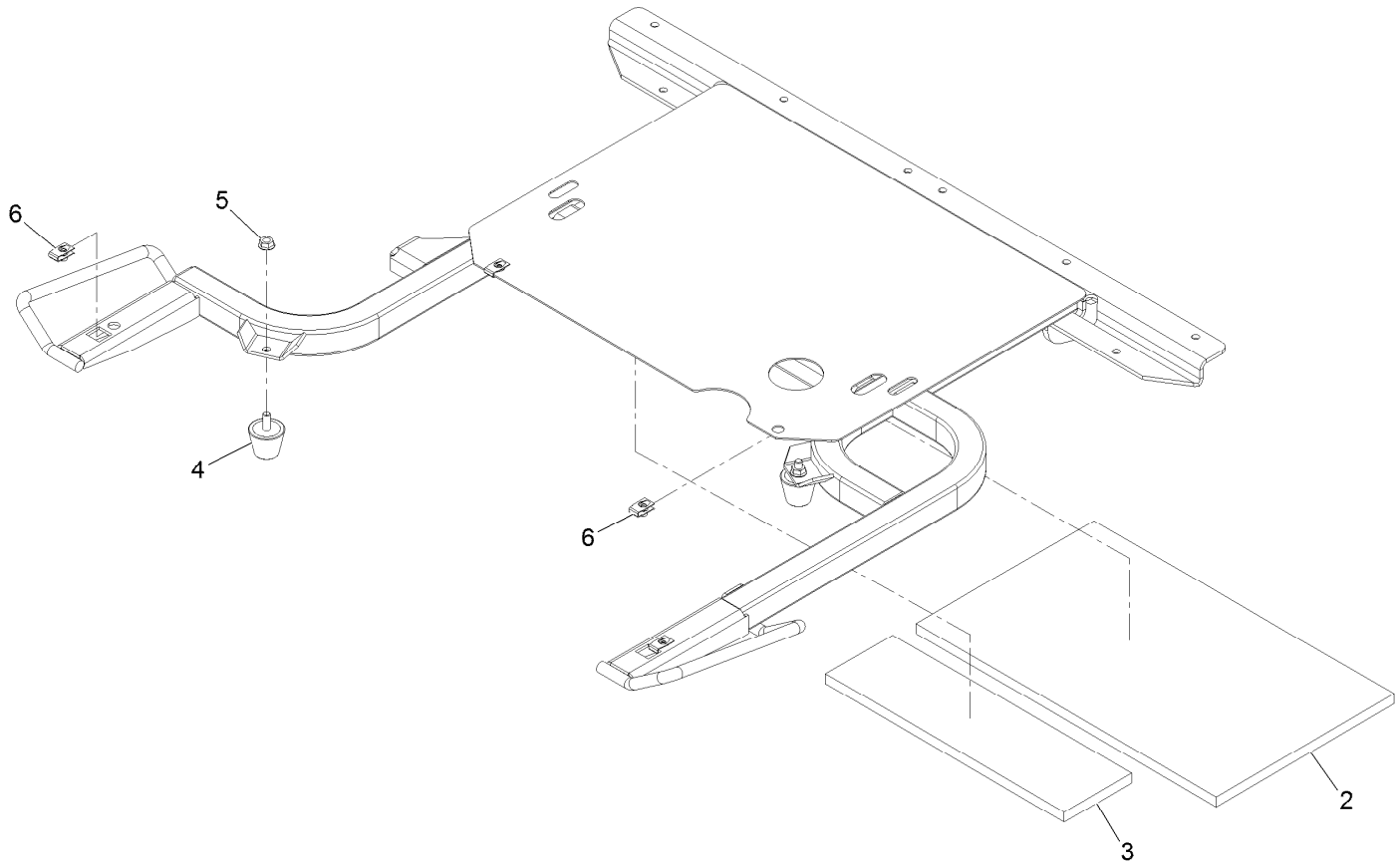


Hopper Assembly (continued)

Ref.	Part Number	Qty.	Description
1	103-9457	1	Asm, Hopper
1		1	Hopper ASM ●
2	103-9456	1	Asm, Door Hopper
3	109-4086	1	Hopper Frame ASM
4	116-9404	1	Fill Sensor ASM
5	1-633068	2	Arm-Lift, Deck
6	103-5426	2	Stud-Ball 13Mm
7	323-6	2	Screw-HH 3/8-16 X 1
8	3256-24	6	Washer-3/8 SAE
9	3296-39	4	Nut-Nyloc 3/8-16
10	1-513762	3	Clip-Loom 1/2
11	33005-00	2	Nut-Hex M10-1.5 Flg
12	614672	2	Screw-Shoulder 3/8-16 X 1.295
13	109-0716	1	Damper Kit
13:1	103-8325	2	Clip-Retainer-13Mm
13:2	103-5425	1	Shock-Compression, Gas
14	1-303435	3	Washer-Spring Disc 1/4
15	109-3648	1	Mount-Switch
16	103-6067-03	1	Bracket-Drive Motor, LH
17	103-6068-03	1	Bracket-Drive Motor, RH
18	103-7085-03	1	Plate-Switch
19	321-2	7	Screw-HH 1/4-20 X 1/2
20	329-4	3	Screw-HH 1/4-28 X 3/4
21	3250-48	2	Screw-PPH #10-24 X 1 3/4
22	3296-2	2	Nut-Nyloc #10-24
23	32105-32	8	Screw-Truss HD 1/4-20 X 1
24	32128-33	17	Nut-Whizlock 1/4-20
25	109-3853	1	Motor
26	103-6022-03	1	Channel-Frame, Hopper
27	103-6025	1	Deflector-Grass
28	3229-4	6	Bolt-Carriage 1/4-20 X 1 1/2
29	3296-42	6	Nut-Nyloc 1/4-20

● Not serviced separately

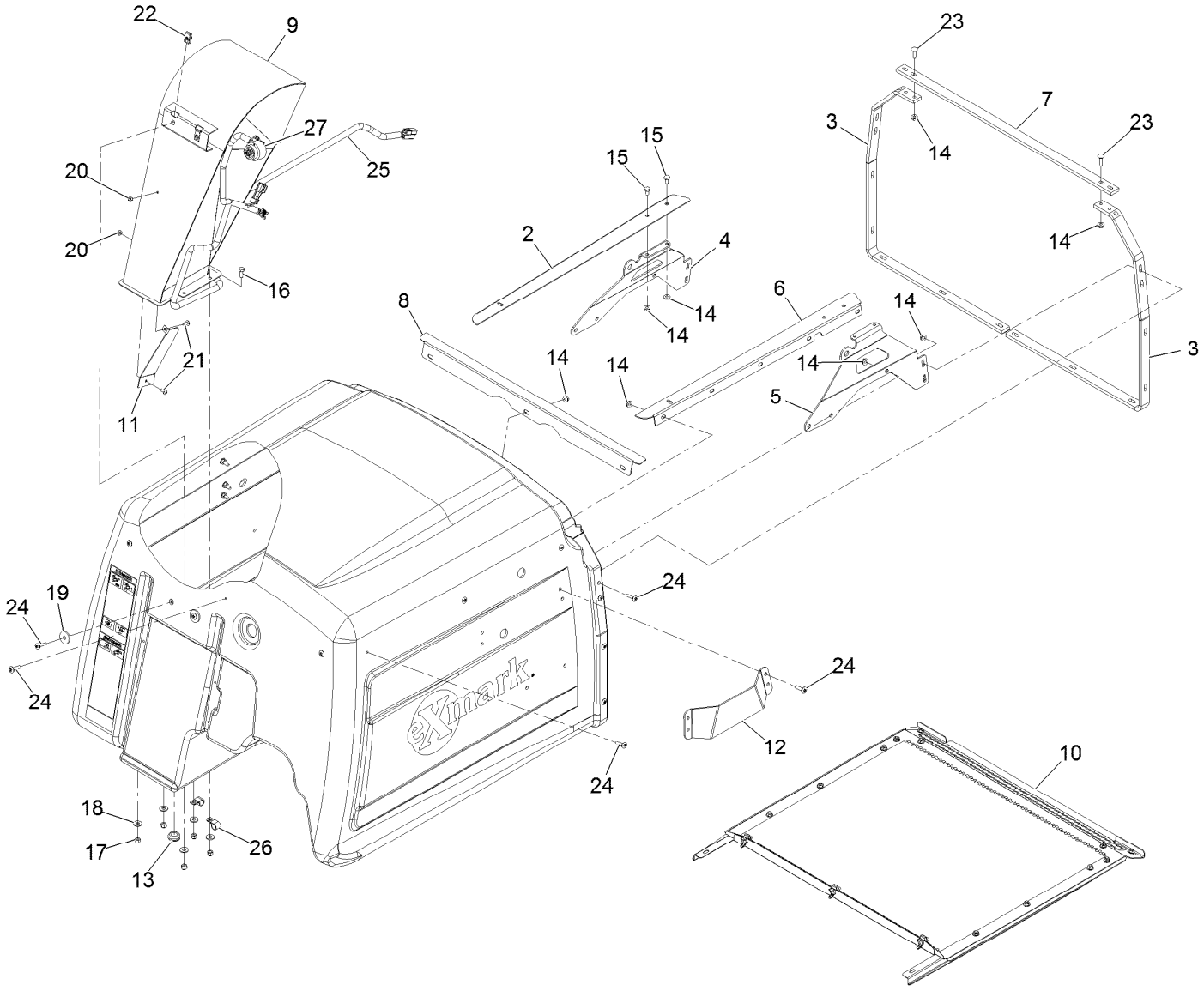
Hopper Frame Assembly



Hopper Frame Assembly (continued)

Ref.	Part Number	Qty.	Description
2	103-7824	1	Insulation-Foam Pad, Rear
3	103-7825	1	Insulation-Foam Pad, Front
4	1-543963	2	Bumper-Rubber
5	32128-20	2	Nut-HF
6	107069	4	Clip

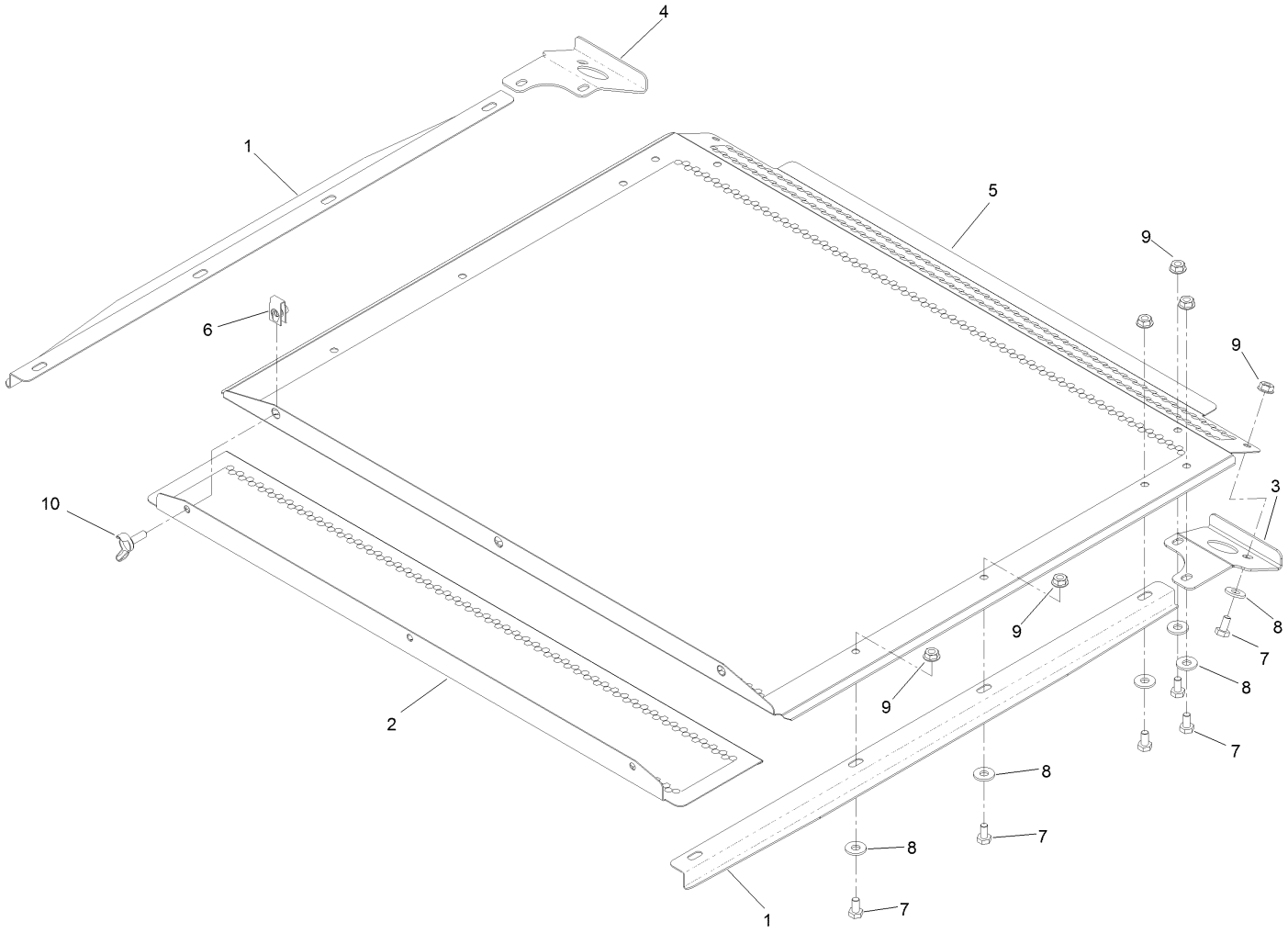
Hopper Assembly No. 103-9457



Hopper Assembly No. 103-9457 (continued)

Ref.	Part Number	Qty.	Description
2	103-5736-03	1	Angle-Screen Track, RH
3	103-5045-03	2	Reinforcement-Hopper
4	103-5751-03	1	Brace-Door Pivot, RH
5	103-5749-03	1	Brace-Door Pivot, LH
6	103-5774-03	1	Angle-Screen Track, LH
7	103-5772-03	1	Bracket-Frame Connect
8	103-7035-03	1	Channel-Screen, Front
9	109-3650-03	1	Diffuser
10	109-0717	1	Hopper Screen ASM
11	103-8680	1	Deflector-Discharge Chute
12	109-4019	2	Plate-Guard
13	1-543296	1	Grommet
14	32128-33	33	Nut-Whizlock 1/4-20
15	321-2	4	Screw-HH 1/4-20 X 1/2
16	321-4	5	Screw-HH 1/4-20 X 3/4
17	3296-42	5	Nut-Nyloc 1/4-20
18	3256-2	5	Washer-1/4 Std
19	1-613235	2	Washer
20	3296-2	2	Nut-Nyloc #10-24
21	32122-30	2	Screw-Truss HD #10-24 X 1/2
22	107069	2	Nut-Retainer-Panel 1/4-20
23	3229-2	4	Bolt-Carriage 1/4-20 X 1
24	32105-32	27	Screw-Truss HD 1/4-20 X 1
25	103-8800	1	Harness-Wire, Hopper
26	1-513762	2	Clip-Loom 1/2
27	103-0205	1	Alarm-Tone, Dual

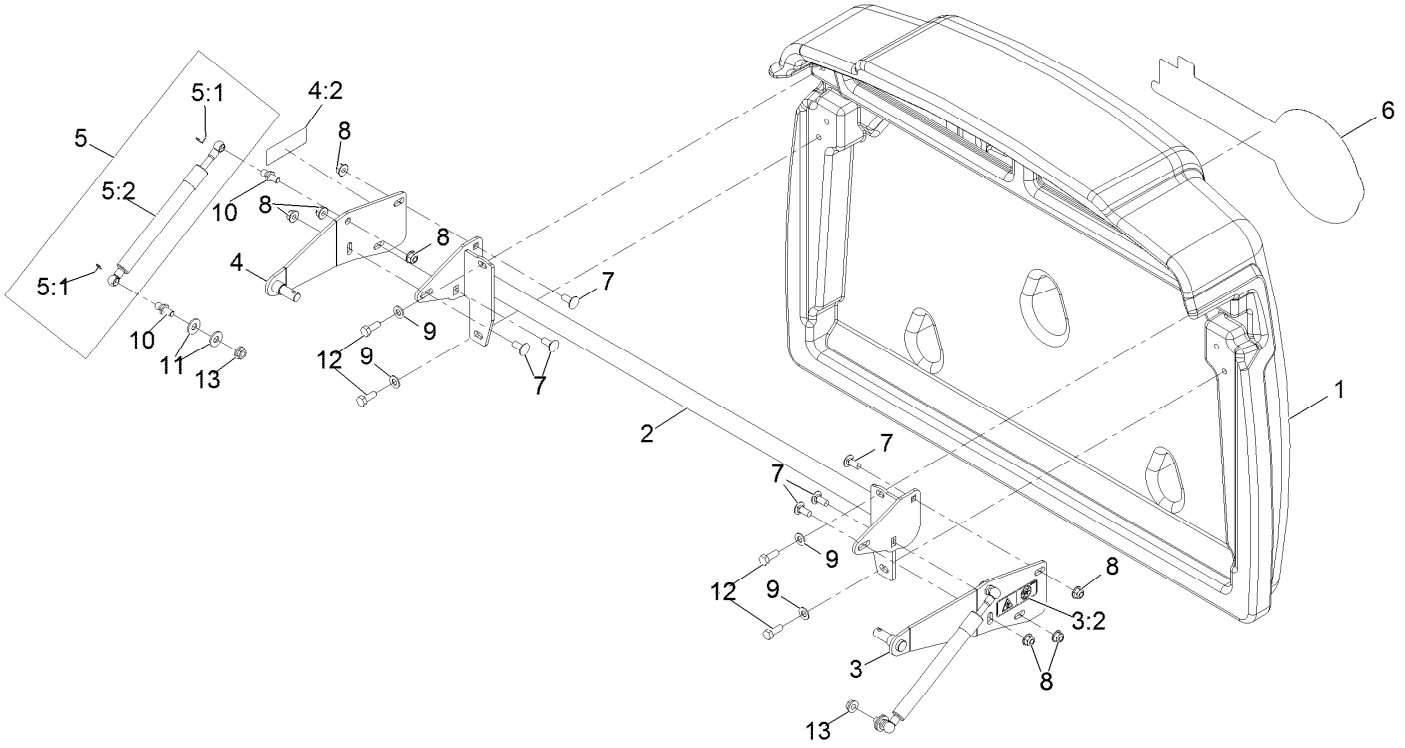
Hopper Screen Assembly No. 109-0717



Hopper Screen Assembly No. 109-0717 (continued)

Ref.	Part Number	Qty.	Description
1	103-8203-03	2	Guide-Screen
2	103-7048-03	1	Panel-Screen, Removable
3	103-7098-03	1	Handle-Screen, LH
4	103-7099-03	1	Handle-Screen, RH
5	103-5745-03	1	Panel-Screen, Hopper
6	107069	3	Clip
7	321-2	12	Screw-HH
8	3256-2	12	Washer-Flat
9	32128-33	12	Nut-HF
10	109-1063	3	Screw-Wing

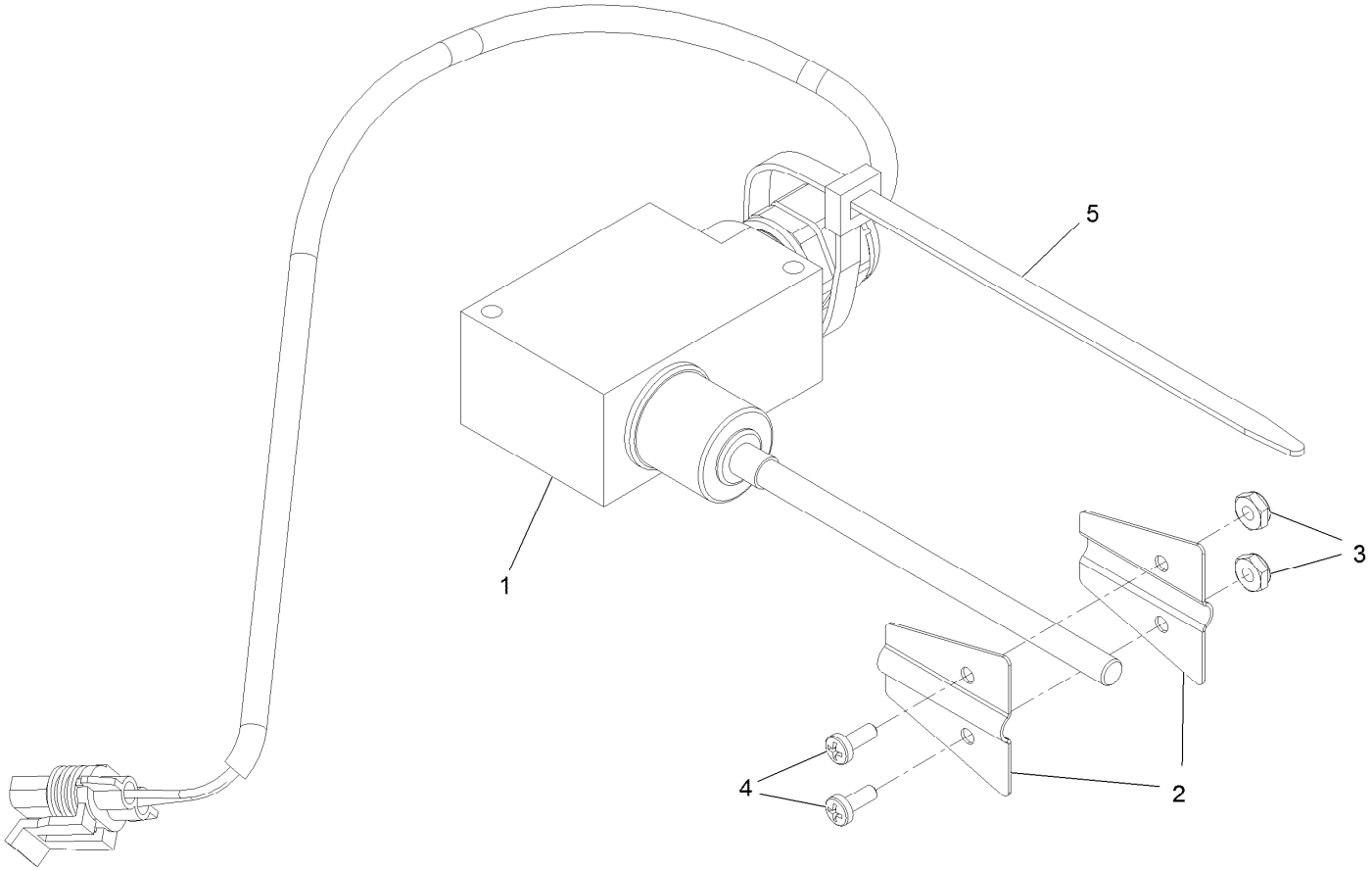
Hopper Door Assembly No. 103-9456



Hopper Door Assembly No. 103-9456 (continued)

Ref.	Part Number	Qty.	Description
1	109-3955	1	Door, 9.5 Bushel Hopper
2	109-4153-03	1	Support-Door
3	109-4253	1	LH Door Pivot ASM
3:2	120-0625	1	Decal-Warning
4	109-4254	1	RH Door Pivot ASM
4:2	120-0625	1	Decal-Warning
5	109-0715	2	Damper Kit
5:1	103-8324	2	Clip-Retainer
5:2	103-5746	1	Shock-Gas Tension
6	126-7353	1	Decal-Exmark Logo
7	3230-23	6	Screw-CARR
8	104-8300	8	Nut-HF, NI
9	3256-23	4	Washer-Plain
10	103-5752	4	Stud-Ball
11	3256-3	4	Washer-Flat
12	322-4	4	Screw-HH
13	32128-20	2	Nut-HF

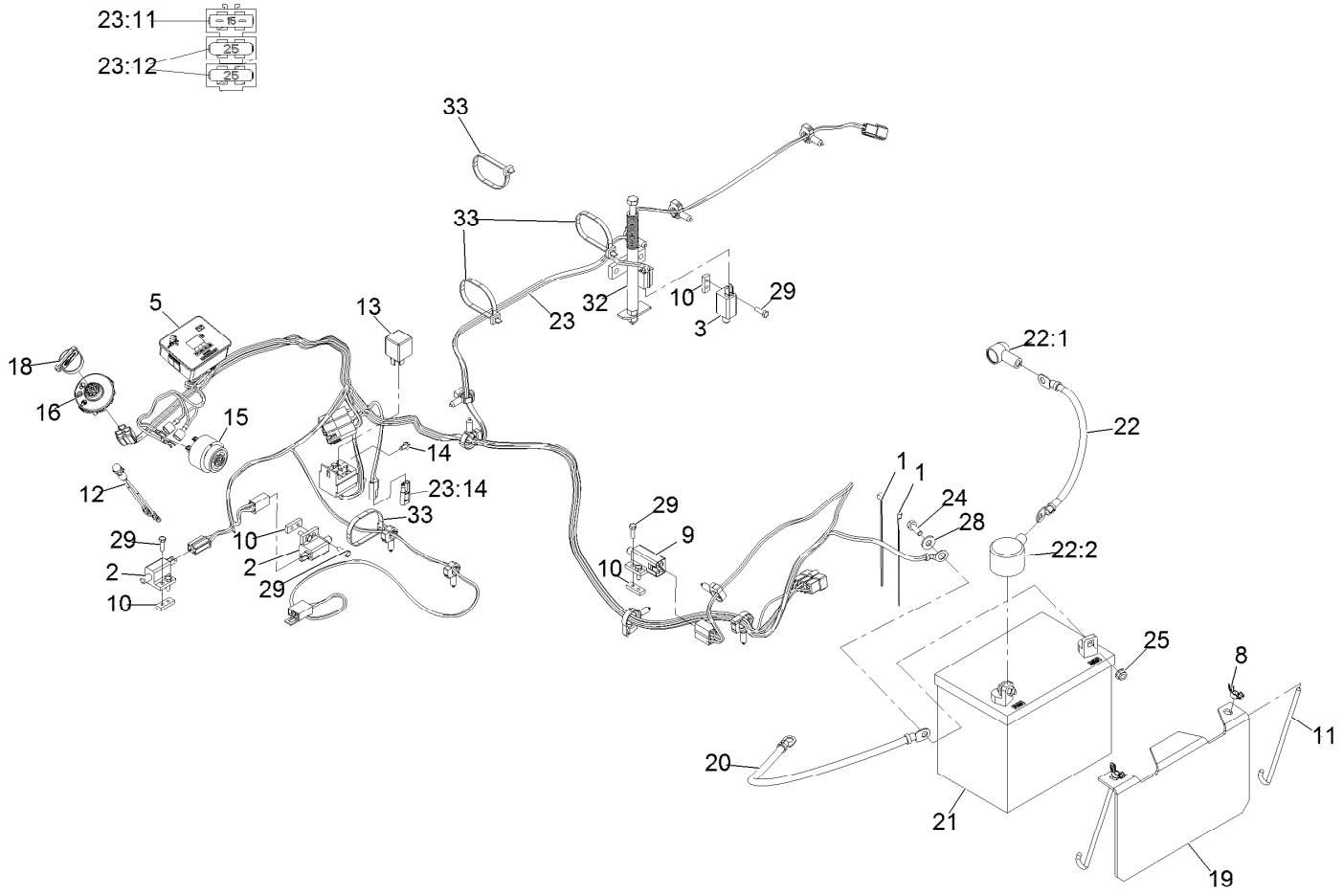
Fill Sensor Assembly



Fill Sensor Assembly (continued)

Ref.	Part Number	Qty.	Description
1	109-3854	1	Fill Sensor Wire Kit
2	103-8789	2	Flag-Sensor, Fill
3	3296-9	2	Nut-Hex
4	9107622	2	Screw-Pan
5	1-303335	1	Tie-Plastic

Electrical Assembly



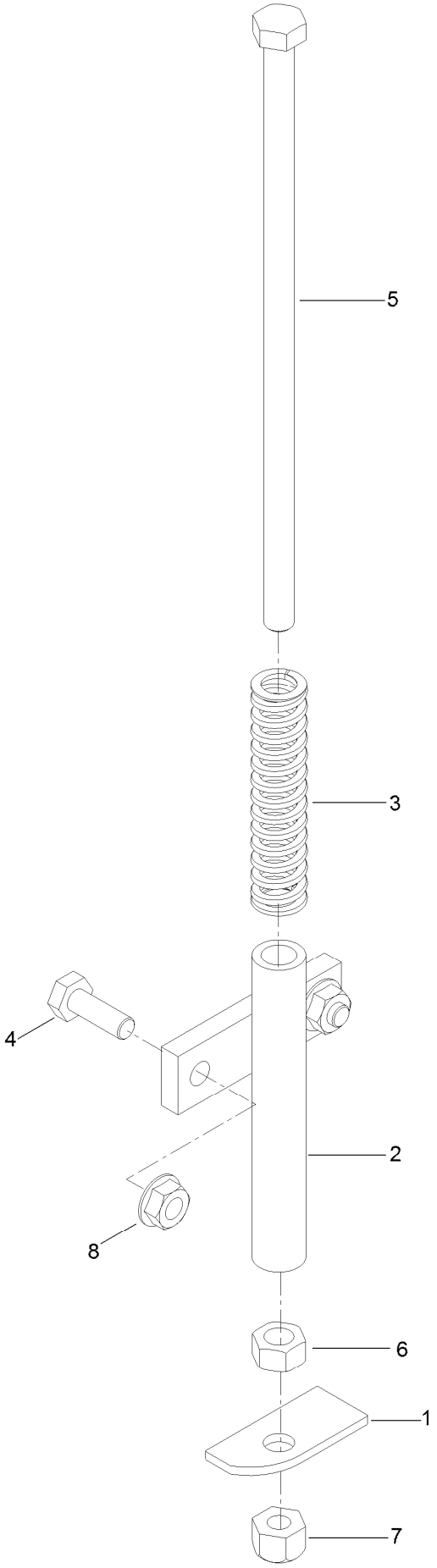
Electrical Assembly (continued)

Ref.	Part Number	Qty.	Description
1	1-303287	2	Tie-Cable 5 1/2 (Small)
2	1-513051	2	Switch-N.O.
3	1-513152	1	Switch-N.C.
5	116-8812	1	Hour Meter ASM
8	1-543792	2	Wingnut-Nyloc 1/4-20
9	1-633111	1	Switch
10	1-633181	4	Plate-Tapped
11	1-633651	2	Bolt-Holddown
12	1-643267	1	Indicator-Red LED
13	1-643275	1	Relay-12Vdc 40 Amp
14	104-2065	1	Screw-HWH #10-24 X 3/8
15	103-0205	1	Alarm-Dual Tone 12Vdc
16	137-4100	1	Switch-Ignition
18	103-2106	1	Key-Exmark Logo
19	103-4161-03	1	Hold Down-Battery
20	103-8355	1	Cable-Ground(-)
21		1	Battery ●■
22	116-4730	1	Cable-Battery, Positive
22:1	1-543393	1	Insulator-Solenoid
22:2	109-2407	1	Insulator-Battery
23	116-9114	1	Harness-Wiring ▲
23:11	109355	1	Fuse-Blade, 15 Amp
23:12	109102	2	Fuse-Blade, 25 Amp
23:14	116-0053	1	Cap-Plug
24	321-4	2	Screw-HH 1/4-20 X 3/4
25	32128-33	2	Nut-Whizlock 1/4-20
28	3256-2	2	Washer-1/4 Std
29	3290-134	8	Screw-HH Machine 10-24 X 5/8
32	103-8528	1	Hopper Switch Actuator ASM
33	1-303335	4	Tie-Cable 7 15/16 (Large)

● Obtain locally. ■ Not serviced separately

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

Hopper Switch Actuator Assembly No. 103-8528



Hopper Switch Actuator Assembly No. 103-8528 (continued)

Ref.	Part Number	Qty.	Description
1	126-7505	1	Plate-Switch
2	1-522424-03	1	Mount-Spring, Seat
3	1-523415	1	Spring-Switch, Seat
4	321-4	2	Screw-HH
5	322-50	1	Screw-HH
6	3217-6	1	Nut-Hex
7	3296-29	1	Nut-Lock, NI
8	32128-33	2	Nut-HF

Notes:

Notes:

Notes:

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ULTRA VAC COLLECTION SYSTEM
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