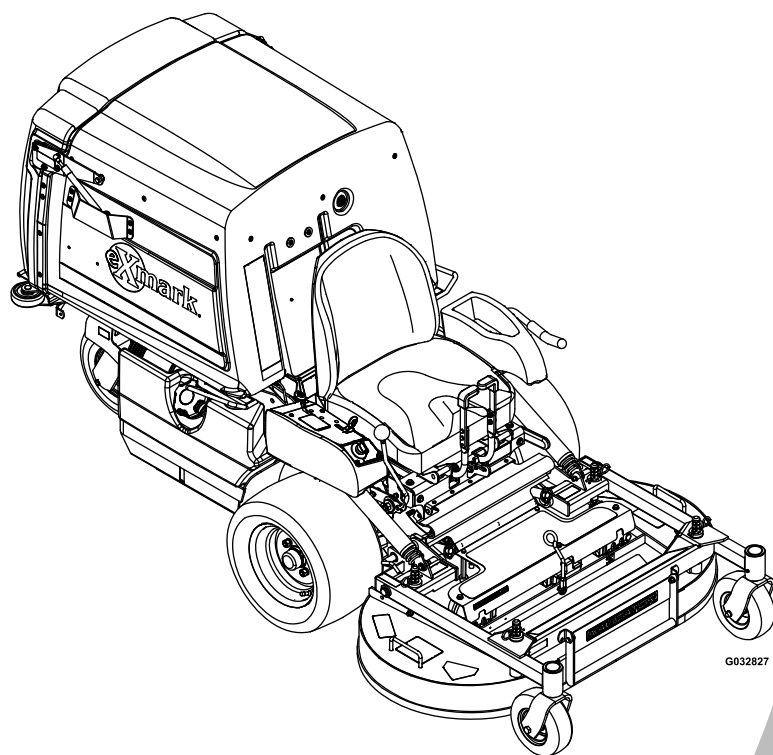




NAVIGATOR®

Model No. NVS640CKC42000—Serial No. 316000000 and Up

Picture below may not reflect actual product.



Parts Manual

Ordering Replacement Parts

To order replacement parts, please supply the part number, the quantity, and the description of each part desired.

Understanding Reference Numbers

Each identified part in an illustration has a reference number. The reference number for a part also appears in the parts list, along with other information about the part.

This catalog uses two special reference number formats, one to indicate parts in a service assembly and another to indicate the quantity of a given part in an illustration.

Service Assembly Reference Numbers

Parts in service assemblies have reference numbers in the form a:b. The a represents the reference number of the entire service assembly and the b represents a sequential number unique to each part within the service assembly.

For example, a wheel assembly might be identified by reference number 6, the tire by 6:1, the valve by 6:2, and the wheel by 6:3. When you order the assembly identified by reference number 6, you receive all parts identified by reference numbers 6:1, 6:2, and 6:3. However, you may also order any part individually. Reference numbers of this type appear in illustration and in parts lists.

Reference Numbers Indicating Quantity

In an illustration, if a reference number indicates more than one part, the reference number has the form nX y. The n represents the quantity of the part, the X is the multiplication symbol, and the y represents the reference number.

For example, in an illustration, the reference number 2X 37 means that two of the parts identified by reference number 37 are indicated.

List of Abbreviations

AR: as required	HLH: hex lag head	PTH: phillips truss head
ASM: assembly	HOC: height-of-cut	PTO: power-take-off
BBC: blade brake control	HP: high pressure	RH: right hand
BHTF: button head thread forming	HSBH: hex socket button head	ROPS: roll-over protection system
CARR: carriage	HSFH: hex socket flat head	RRB: rear roller brush
CCW: counter clockwise	HSH: hex socket head	SFH: slotted fillister head
CW: clockwise	HWH: hex washer head	SHH: slotted hex head
DEG: degrees	HWHTF: hex washer head thread forming	SHWH: slotted hex washer head
DPA: Dual Point Adjustment	HYD: hydraulic	SPH: slotted pan head
ECM: electronic control module	LH: left hand	SQH: square head
EXT: external	LP: low pressure	SRH: slotted round head
FH: flat head	LPG: Liquefied Petroleum Gas	STD: standard
GA: gauge	NI: nylon insert	TAP: self tapping
HD: heavy-duty	NPTF: national pipe thread fine	TTH: torx truss head
HF: hex flange	PFH: phillips flat head	
HH: hex head	PPH: phillips pan head	
HHF: hex head flange	PPHTF: phillips pan head thread forming	
HHFTF: hex head flange thread forming	PRH: phillips round head	
HJ: hex jam		

Touch Up Paint

Exmark black touch up spray paint – gloss black.

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

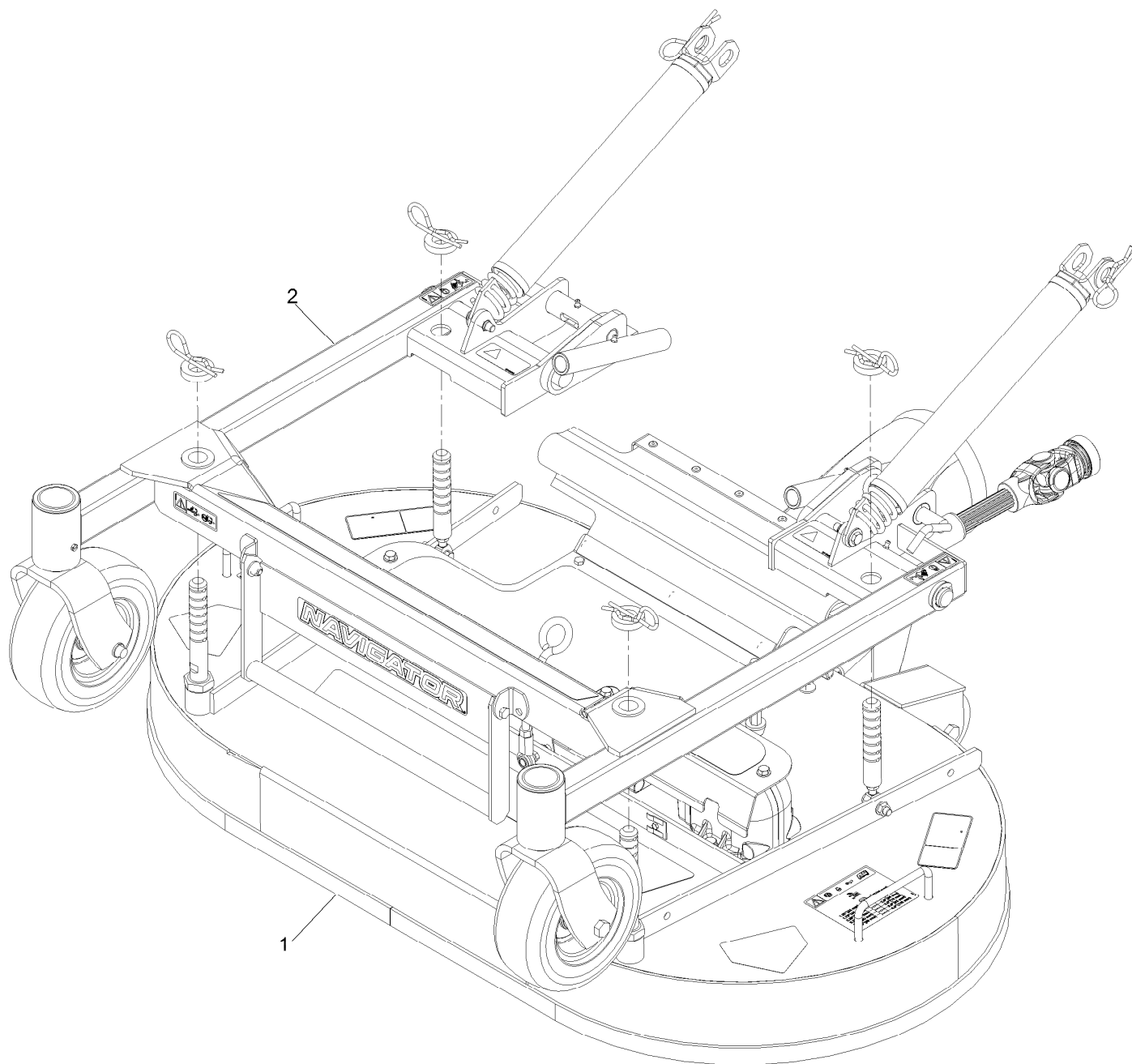


If your Exmark dealer does not have the Exmark part in stock, Exmark will get the parts to the dealer the next business day or the part will be FREE Guaranteed!! (Some restrictions apply. See your participating Exmark Dealer for details.)

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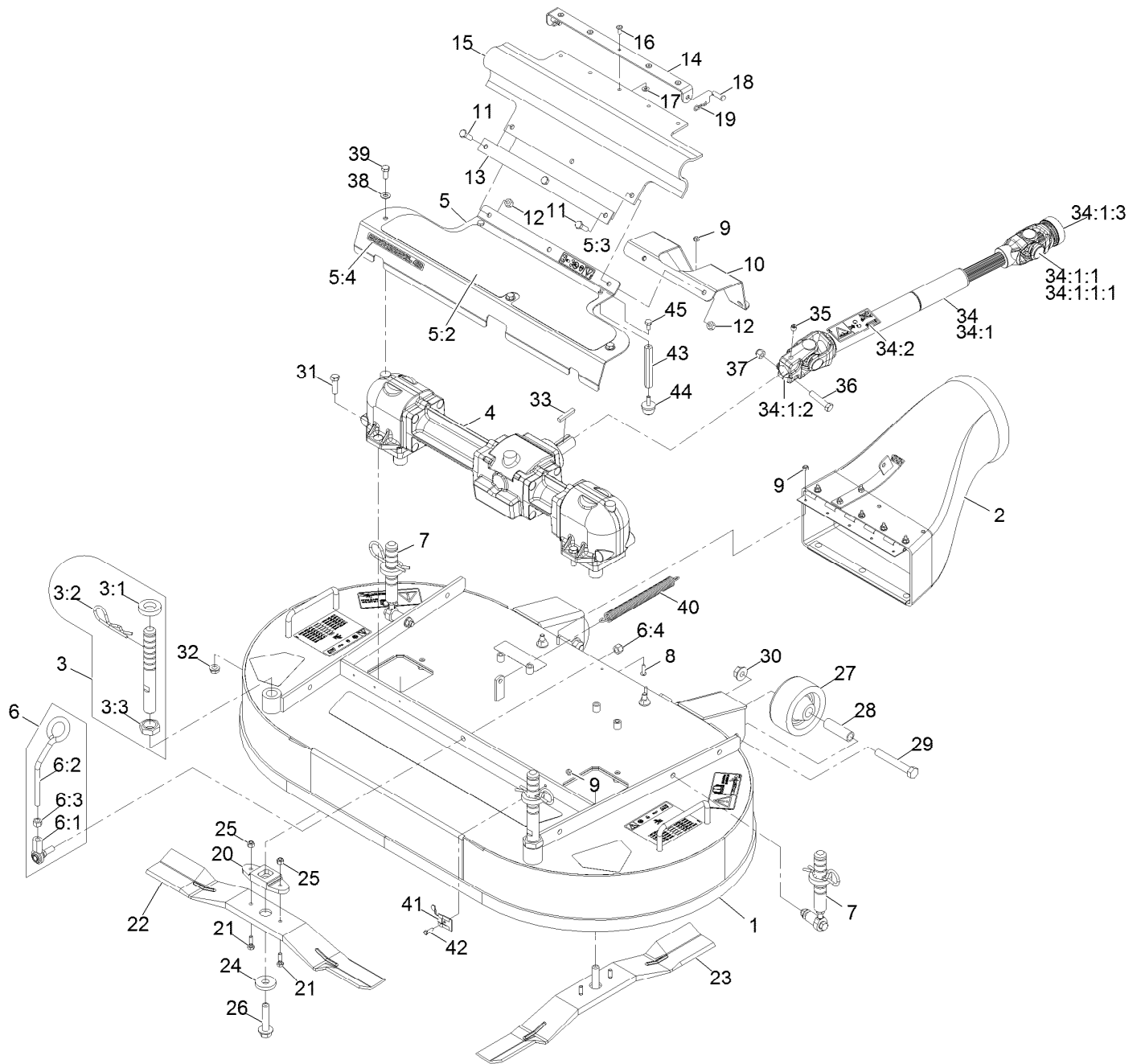
Complete Deck and Support Frame Assembly



Complete Deck and Support Frame Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	116-7832	1	Deck ASM
2	116-7840	1	Deck Support Frame ASM

Deck Assembly

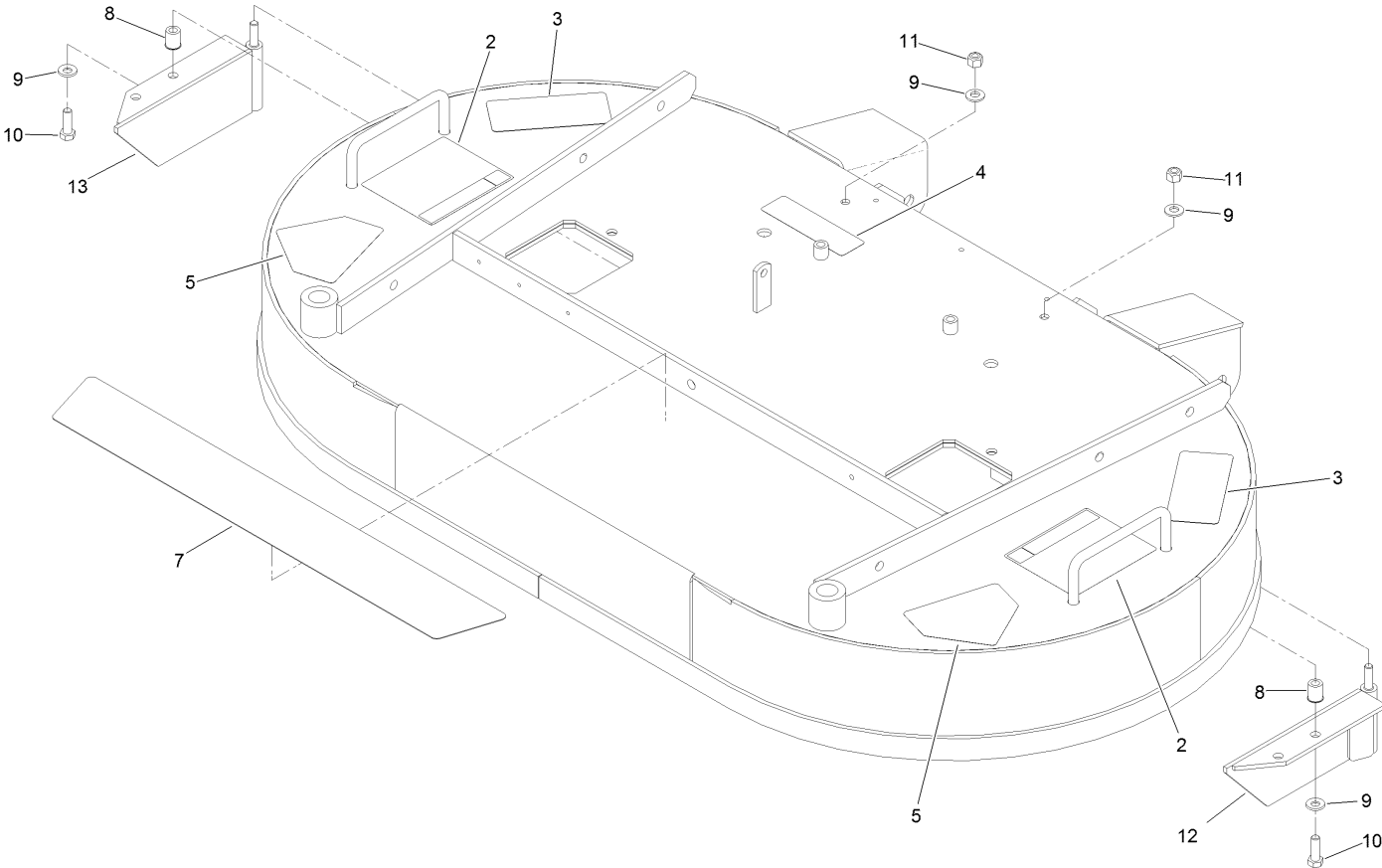


Deck Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	109-4373	1	Deck ASM	21	99-0283	4	Bolt-Shear 1/4-20 X 7/8
2	103-9487	1	Discharge Tube ASM	22	103-4210	1	Blade, RH (42") Red
3	109-0321	2	Front Deck Height Adjust ASM	23	103-4209	1	Blade, LH (42") Black
3:1	1-413425	1	Spacer-Deck Support	24	30-8770	2	Washer
3:2	103-7353	1	Pin-Cut Height	25	3296-42	4	Nut-Nyloc 1/4-20
3:3	103-8496	1	Nut-Jam 7/8-9	26	92-5816	2	Bolt-Blade 1/2-20 X 2 1/4
4	103-3460	1	Gearbox ASM	27	103-3700	2	Roller-Deck
5	103-9497	1	Asm, Gearbox Cover W/Decal (42")	28	103-4230	2	Spacer-Roller
5:2	103-8626	1	Pad-Anti Skid	29	325-14	2	Screw-HH 1/2-13 X 3 1/2
5:3	119-0217	1	Decal-Danger	30	32128-49	2	Nut-Whizlock 1/2-13
5:4	126-7280	1	Decal-Commercial 42	31	323-7	4	Screw-HH 3/8-16 X 1 1/4
6	103-8363	1	Deck Latch ASM	32	3290-357	4	Nut-Whizlock 3/8-16
6:1	103-7994	1	Balljoint	33	67-7490	1	Key-Machine 1/4 X 1/4 X 1 1/2
6:2	103-8307	1	Latch-Deck	34	103-9485	1	Drive Shaft ASM
6:3	3219-3	1	Nut-Hex 3/8-24	34:1		1	Drive Shaft-Telescoping ●
6:4	3296-6	1	Nut-Nyloc 3/8-24	34:1:1	54-9180	2	U-Joint Kit
7	109-0322	2	Rear Deck Height Adjust ASM	34:1:1:1	62-3820	1	Fitting-Grease
8	1-803075	3	Screw-Truss Head #10-24 X 3/4	34:1:2	103-9328	1	Yoke-Keyed
9	3296-2	6	Nut-Nyloc #10-24	34:1:3	103-9329	1	Yoke-Quick Disconnect
10	116-7842-01	1	Guard-Drive Shaft	34:2	116-9049	1	Decal-Danger Driveline
11	322-5	3	Screw-HH 5/16-18 X 1	35	3247-2	1	Setscrew-3/8-16 X 3/8
12	3296-29	3	Nut-Nyloc 5/16-18	36	323-9	1	Screw-HH 3/8-16 X 1 3/4
13	103-6290-03	1	Strap-Drive, Line Cover	37	3296-39	1	Nut-Nyloc 3/8-16
14	103-6183-03	1	Bracket-Guard, PTO	38	3256-23	3	Washer-5/16 Sae
15	103-5979	1	Guard-PTO	39	322-3	3	Screw-HH 5/16-18 X 3/4
16	114439	5	Rivet	40	103-8841	1	Spring-Extension
17	3256-14	5	Washer-#10 Std	41	1-513690	1	Clip-Deck, Hold Up Rod
18	1-808280	2	Pin-Clevis 5/16 X 1 49/64	42	3290-134	1	Screw-HH Machine 10-24 X 5/8
19	1-806003	2	Hairpin-Cotter	43	103-8610	2	Stand-Off
20	103-7705	2	Driver-Blade	44	1-523420	2	Bumper
				45	321-2	2	Screw-HH 1/4-20 X 1/2

● Not serviced separately

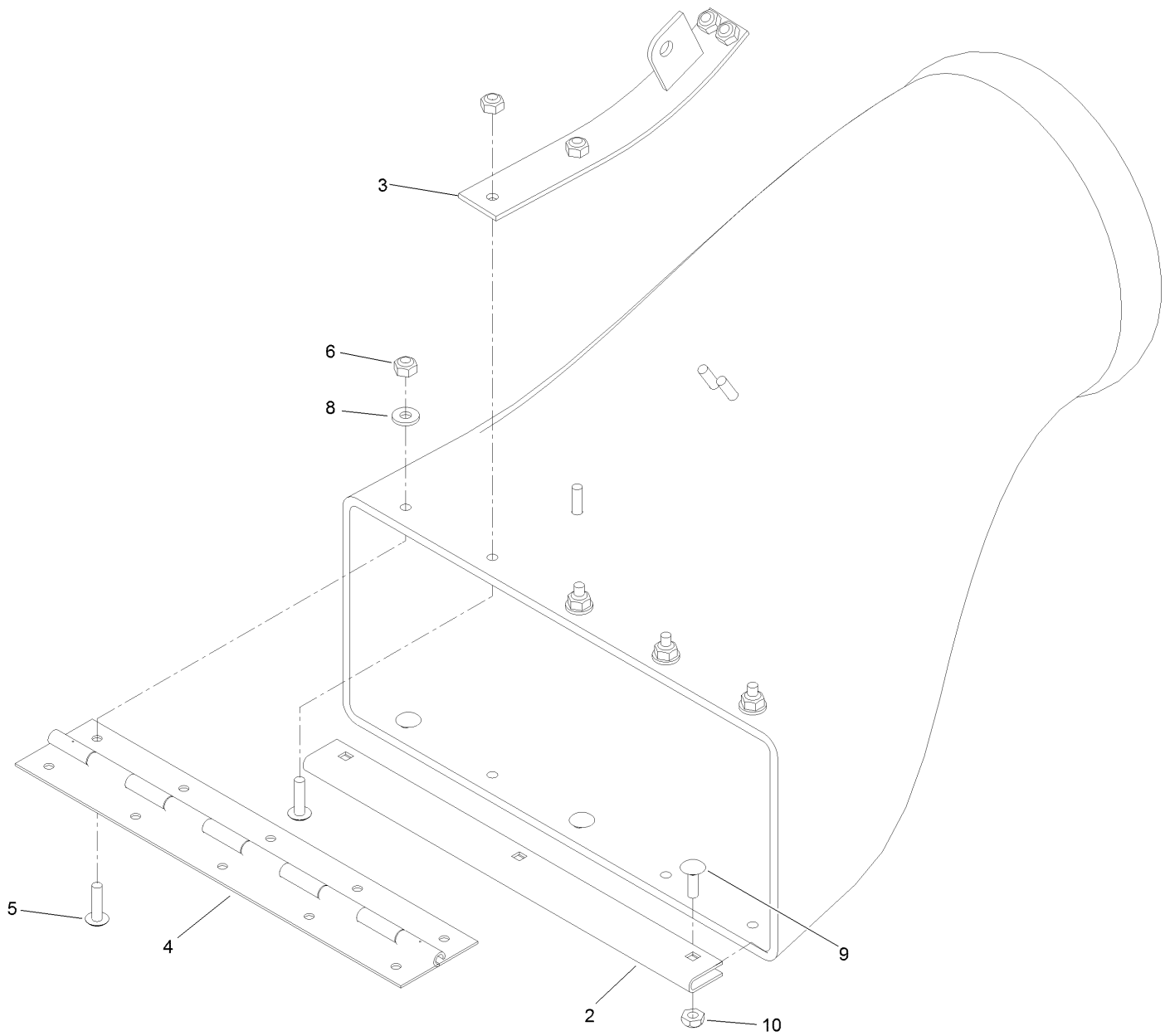
Deck Decal Assembly No. 109-4373



Deck Decal Assembly No. 109-4373 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
2	116-8934	2	Decal-Cutting Height Adj	9	1-303334	4	Washer-Spring
3	93-7818	2	Decal-Torque, Blade Bolt	10	322-5	2	Screw-HH
4	112-9028	1	Decal-Missing, Cover	11	3296-29	2	Nut-Lock, NI
5	112-8760	2	Decal-Danger	12	109-4053-01	1	Baffle-LH
7	103-8667	1	Pad-Anti Skid	13	109-4054-01	1	Baffle-RH
8	32148-7	4	Nut-Insert				

Discharge Tube Assembly No. 103-9487

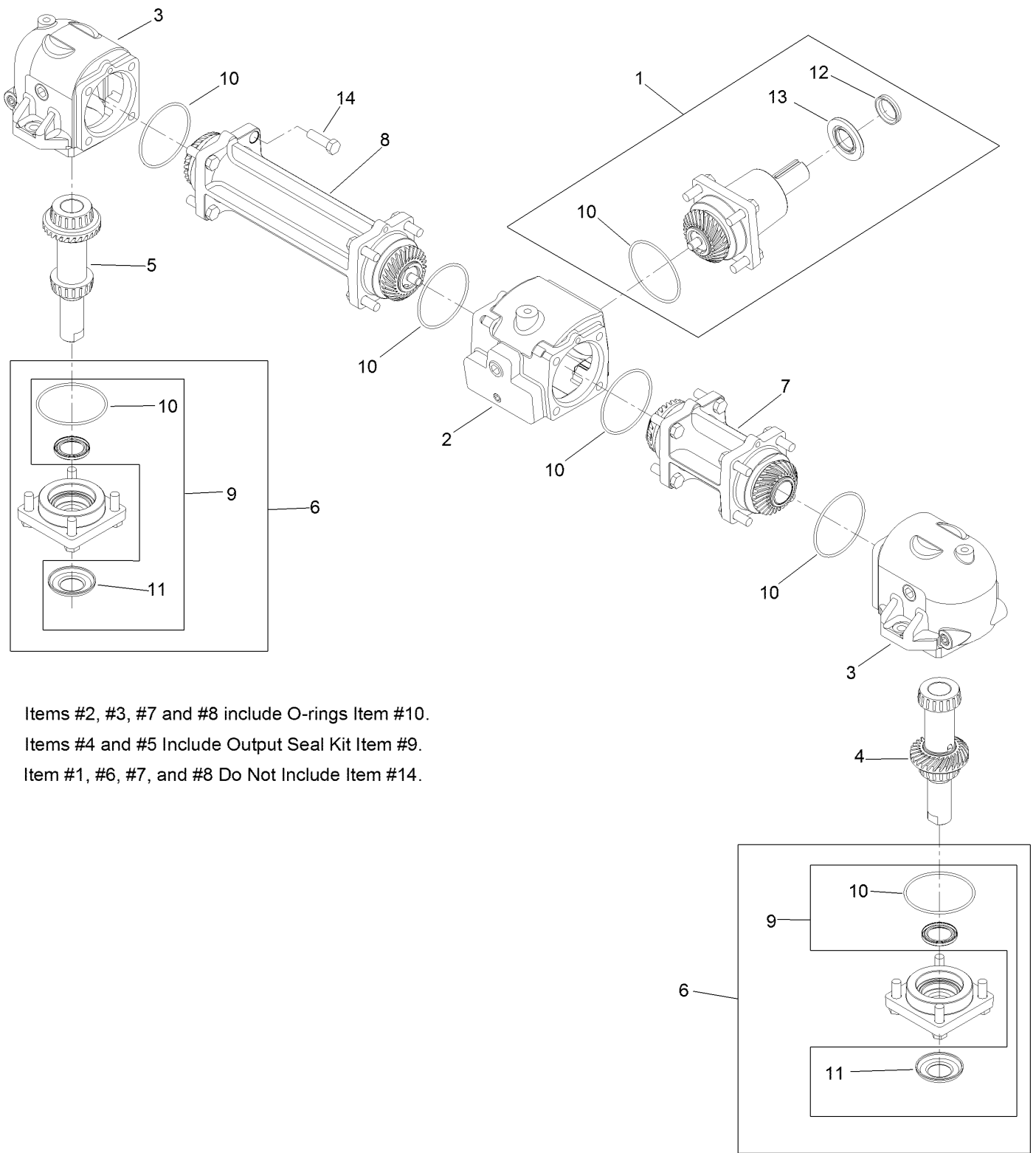


Discharge Tube Assembly No. 103-9487 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
2	109-2228-03	1	Guard-Plenum
3	103-5868-01	1	Mount-Spring
4	103-4974	1	Hinge-Piano
5	1-803075	8	Screw-Head, Truss

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
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. 103-3460



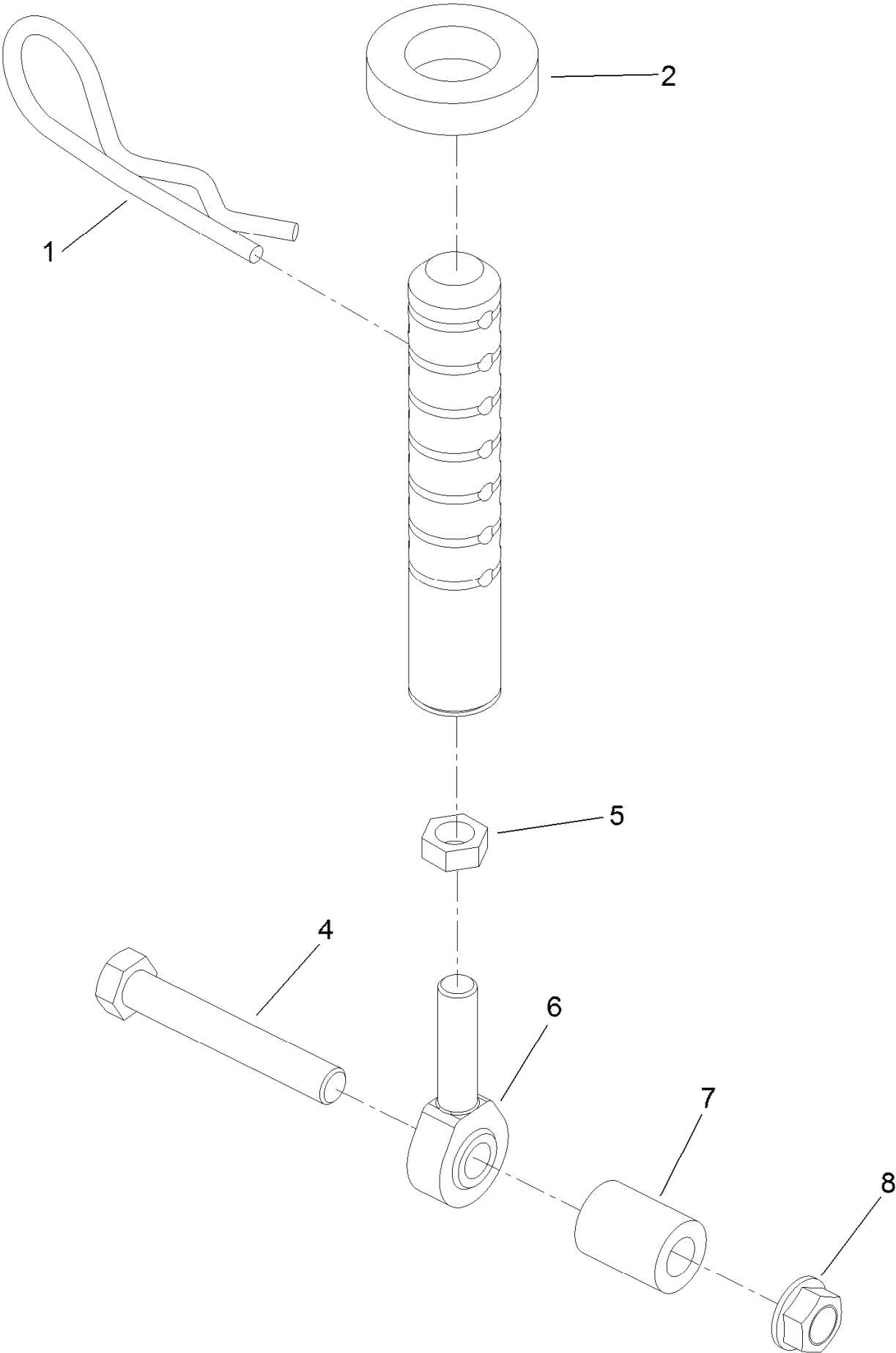
Items #2, #3, #7 and #8 include O-rings Item #10.
 Items #4 and #5 Include Output Seal Kit Item #9.
 Item #1, #6, #7, and #8 Do Not Include Item #14.

Gearbox Assembly No. 103-3460 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	109-0188	1	Input Pinion ASM	7	109-0197	1	Tube-Connector, Short
2	109-0190	1	Housing-Center	8	109-0199	1	Tube-Connector, Long
3	109-0191	1	Housing-End	9	109-0201	1	Output Seal Kit
4	109-0192	1	LH Output Shaft And Gear ASM	10	109-0203	1	Seal-O-Ring
5	109-0194	1	RH Output Shaft And Gear ASM	11	109-0204	1	Washer-Cupped
6	109-0196	1	Cap-Output	12	109-0205	1	Seal-V-Ring ●
				13	109-0202	1	Seal-Input ●
				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.

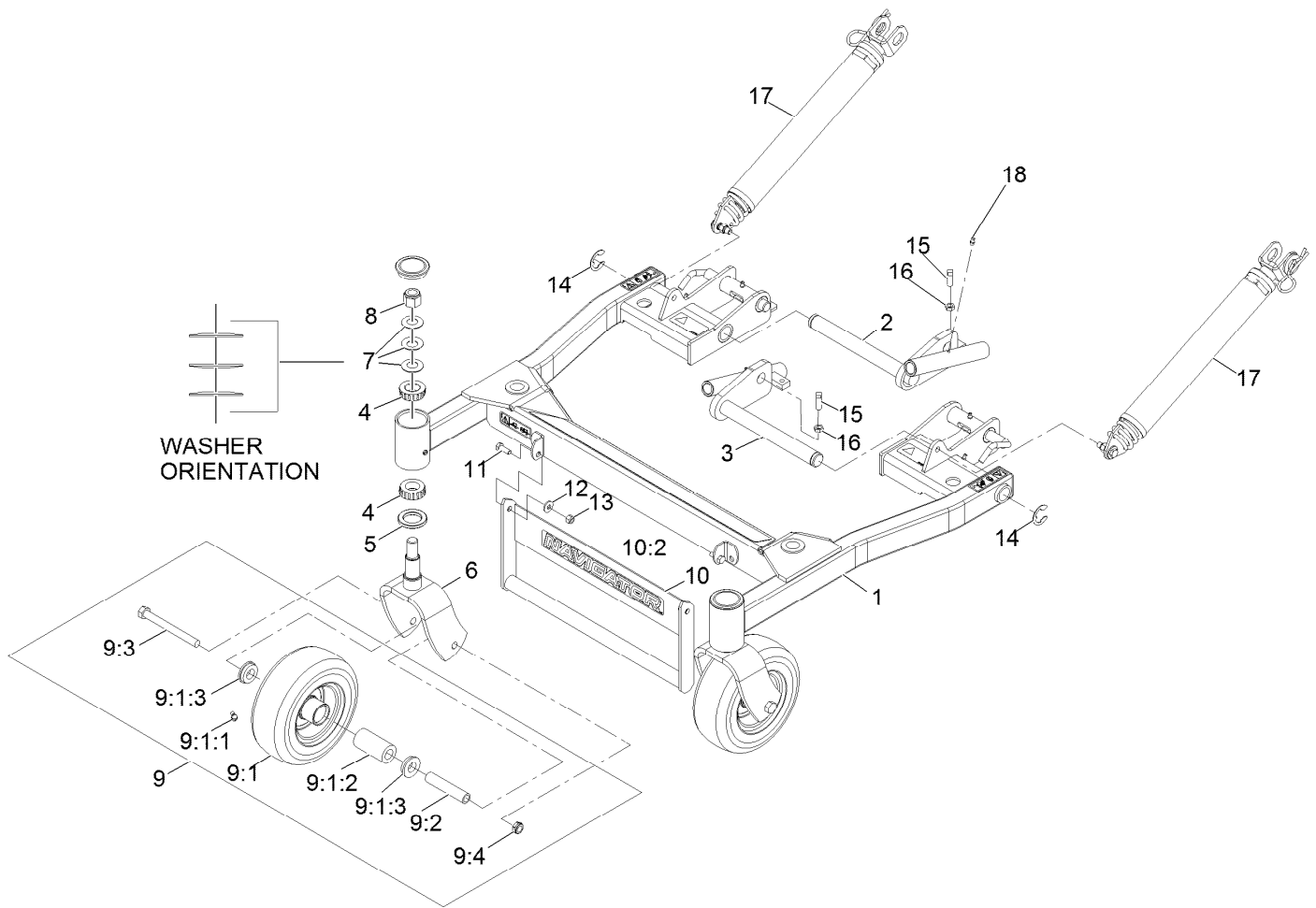
**Rear Deck Height Adjustment
Assembly No. 109-0322**



Rear Deck Height Adjustment Assembly No. 109-0322 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	103-7353	1	Pin-Cut Height	6	1-613204	1	Balljoint
2	1-413425	1	Spacer-Deck Support	7	106-5620	1	Tube-Interlock
4	323-11	1	Screw-HH	8	3290-357	1	Nut-HHF, Whiz
5	3220-3	1	Nut-HJ				

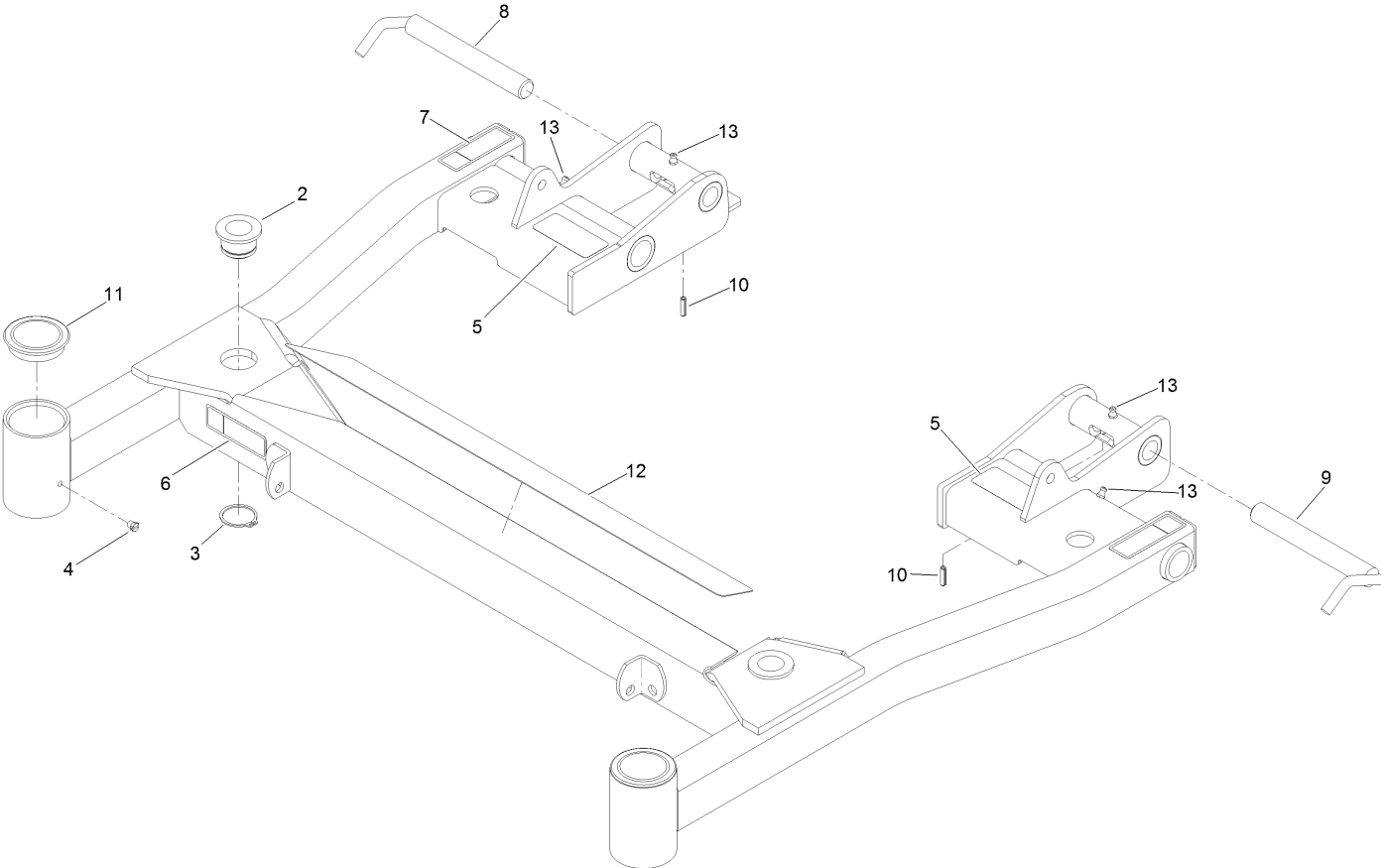
Deck Support Frame Assembly



Deck Support Frame Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	103-9481	1	Deck Support ASM	9:2	109-2094	1	Spacer-Caster, Front
2	103-3729-01	1	Pivot-Deck, RH	9:3	325-19	1	Screw-HH 1/2-13 X 5
3	103-3732-01	1	Pivot-Deck, LH	9:4	3296-45	1	Nut-Nyloc 1/2-13 Thin
4	1-543509	4	Cone-Bearing Tapered Roller	10	103-9482	1	Asm, Deck Lift Handle W/Decal
5	1-543511	2	Seal-Grease	10:2	126-7199	1	Decal-Navigator Logo
6	109-1933-01	2	Fork-Caster	11	322-4	2	Screw-HH 5/16-18 X 7/8
7	1-633508	6	Washer-Spring Disc	12	1-303334	2	Washer-Spring Disc 5/16
8	3296-51	2	Nut-Nyloc 3/4-10	13	3296-29	2	Nut-Nyloc 5/16-18
9	103-9495	2	Asm, Caster Wheel W/Axle	14	1-808519	2	Ring-Snap
9:1	103-4324	1	Asm, Wheel And Tire 8X3.00-4 Sp	15	3243-5	2	Setscrew-SQH 3/8-16 X 1
9:1:1	302-61	1	Zerk-45° 1/4-28	16	3218-3	2	Nut-Jam 3/8-16
9:1:2	103-4588	1	Bearing-Roller, Straight	17	116-7850	2	Lift Assist Spring ASM
9:1:3	1-513810	2	Bushing-Flanged	18	302-19	2	Zerk-1/4-28 Str

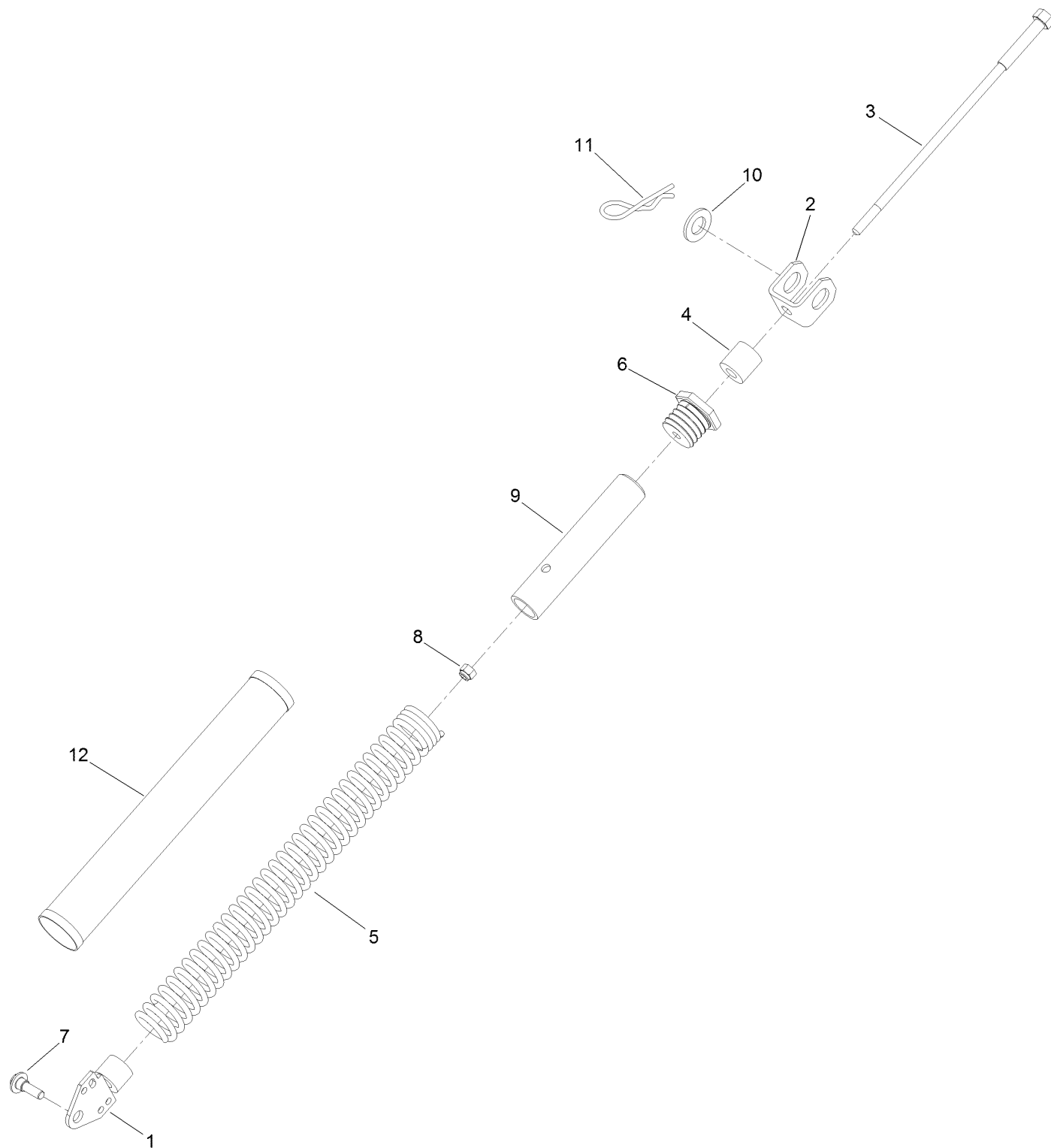
Deck Support W/Decals Assembly No. 103-9481



Deck Support W/Decals Assembly No. 103-9481 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
2	103-7436	2	Bushing-Support, Deck	8	103-4119	1	Lock-Deck, RH
3	32120-33	2	Ring-Retaining	9	103-4118	1	Lock-Deck, LH
4	1-811010	2	Plug	10	32121-3	2	Pin-Spring
5	93-6696	2	Decal-Warning	11	103-4882	2	Cap-Grease
6	116-8936	1	Decal-Danger	12	103-8667	1	Pad-Anti Skid
7	116-8935	2	Decal-Warning, Folding Deck	13	302-19	4	Fitting-Grease

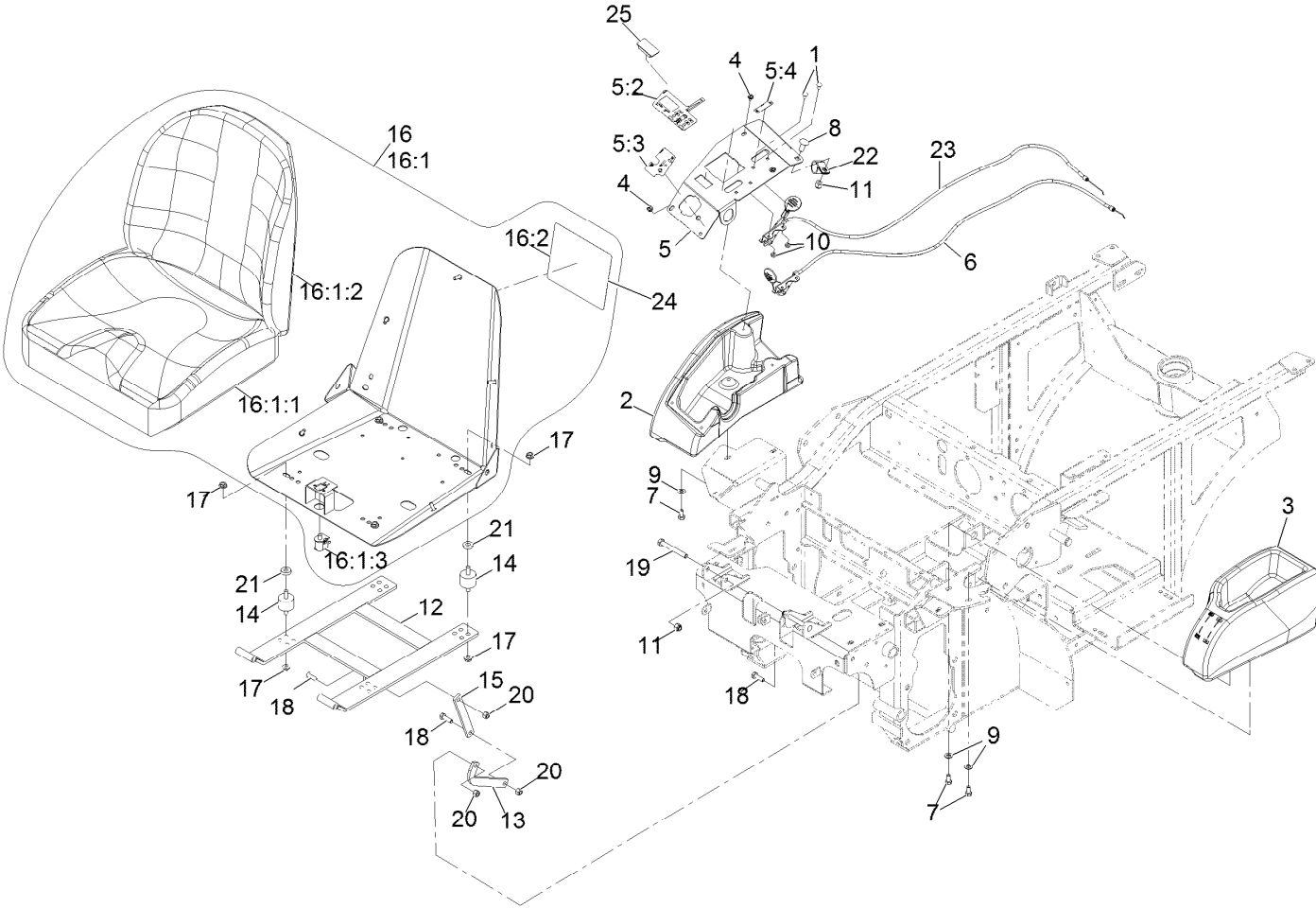
Spring Lift Assist Assembly No. 116-7850



Spring Lift Assist Assembly No. 116-7850 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	103-4284	1	Tensioner-Spring	7	614672	1	Bolt-Shoulder
2	103-4285	1	Mount-Lift Assist, Deck	8	3296-39	2	Nut-Lock, NI
3	103-3773	1	Shaft-Adjustment, Spring	9	103-7865	1	Spring-Tube
4	109-1978	1	Spacer	10	3256-28	1	Washer-Flat
5	103-4281	1	Spring-Extension	11	103-7353	1	Pin-Cut Height
6	103-3772	1	Plug-Adjuster, Spring	12	103-7971	1	Cover-Spring, Deck

Seat and Consoles Assembly

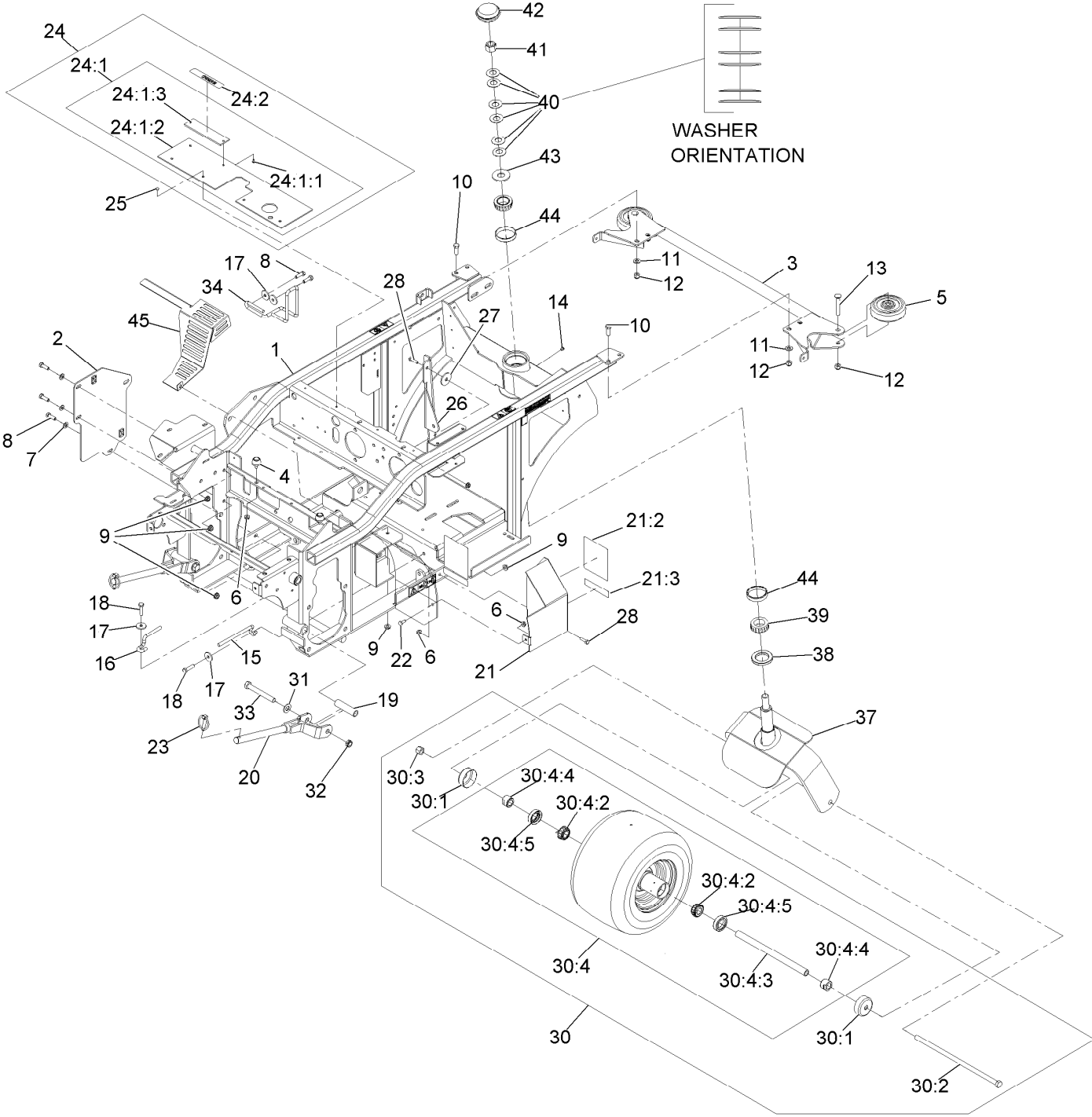


Seat and Consoles Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	1-807513	4	Bolt-Carriage #10-24 X 1/2	15	103-8563	1	Link-Seat
2	116-9430	1	Console-RH	16	116-4849	1	Seat ASM
3	126-4342	1	Console, LH Grey	16:1		1	Seat ASM ●
4	109-2661	4	Screw-PPH #10-24 X 1/2	16:1:1	116-4848	1	ASM-Seat Bottom Cushion
5	116-9374	1	Control Panel ASM	16:1:2	116-3738	1	Cushion,Seat Back
5:2	116-9375	1	Decal-Nav Console 640Kc	16:1:3	82-2190	1	Switch
5:3	126-7442	1	Decal-Speed Control	16:2	116-9044	1	Decal-Service Aid
5:4	116-9470	1	Decal-Choke	17	32128-20	8	Nut-Whizlock 5/16-18
6	109-4641	1	Cable-Throttle	18	322-5	3	Screw-HH 5/16-18 X 1
7	322-2	6	Screw-HH 5/16-18 X 5/8	19	323-14	2	Screw-HH 3/8-16 X 3
8	3231-27	1	Bolt-Carriage 3/8-16 X 7/8	20	3296-29	3	Nut-Nyloc 5/16-18
9	3256-23	6	Washer-5/16 Sae	21	5-0652	4	Spacer
10	3296-2	4	Nut-Nyloc #10-24	22	1-643312	1	Clip-Loom
11	3296-39	3	Nut-Nyloc 3/8-16	23	109-4640	1	Cable-Choke
12	103-4362-03	1	Frame-Seat	24	116-9044	1	Decal-Service Aid
13	116-9554	1	Link-Seat Stop	25	99-7420	1	Plug-Hole
14	103-5496	4	Mount-Vibration, Rubber				

● Not serviced separately

Main Frame Assembly



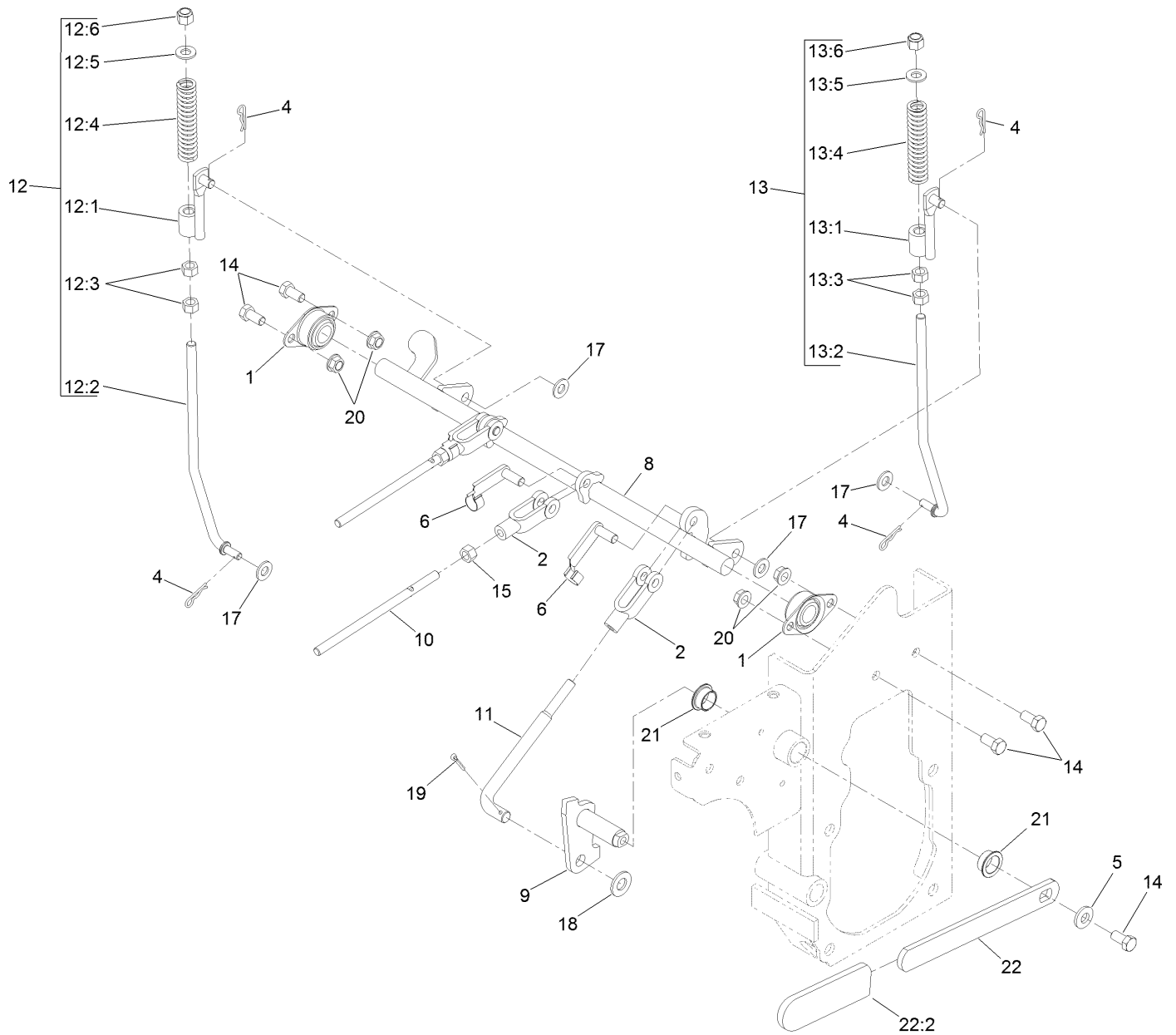
Main Frame Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	116-7482	1	Frame ASM	24:2	98-1977	1	Decal-Warning
2	116-7396-03	1	Plate-Support	25	1-803035	4	Rivet 3/16 X 1/4
3	109-0925-03	1	Bumper-Rear	26	109-5874-03	1	Brace-PTO
4	109-2365	1	Bumper-Rubber	27	1-213069	1	Washer
5	103-5408	2	Roller-Bumper	28	321-6	2	Screw-HH 1/4-20 X 1
6	32128-33	5	Nut-Whizlock 1/4-20	30	103-9494	1	Asm, Rear Caster Wheel W/Axle
7	3256-23	3	Washer-5/16 Sae	30:1	103-2768	2	Guard-Seal
8	322-5	5	Screw-HH 5/16-18 X 1	30:2	103-7738	1	Screw-HH 1/2-13 X 13
9	32128-20	5	Nut-Whizlock 5/16-18	30:3	3296-23	1	Nut-Nyloc 1/2-13
10	323-6	4	Screw-HH 3/8-16 X 1	30:4	103-5305	1	Asm, Wheel Tire And Brg 13X8.00-6 Sp
11	3256-24	4	Washer-3/8 Sae	30:4:2	1-633585	2	Bearing-Cone Tapered Roller
12	3296-39	6	Nut-Nyloc 3/8-16	30:4:3	103-5302	1	Axle-Caster
13	3231-31	2	Bolt-Carriage 3/8-16 X 2 1/2	30:4:4	103-3051	2	Spacer-Nut ■
14	1-811010	1	Plug	30:4:5	103-0063	2	Seal-Double Lip
15	103-8333	1	Guide-Belt	31	3256-26	2	Washer-1/2 Sae
16	103-8349	1	Guide-Belt	32	3296-45	2	Nut-Nyloc 1/2-13 Thin
17	1-613235	4	Washer	33	325-17	2	Screw-HH 1/2-13 X 4
18	322-6	2	Screw-HH 5/16-18 X 1 1/4	34	116-8323	1	Guide-Belt
19	1-633060	2	Spacer-Wheel, Short	37	103-3351-03	1	Fork-Rear Caster
20	103-6596-03	2	Rod-Push	38	103-9027	1	Seal-Grease
21	130-2879	1	Drive Shield ASM	39	103-9028	2	Cone-Bearing Taper Roller
21:2	116-8941	1	Decal-Belt Routing	40	1-633508	6	Washer-Spring Disc
21:3	98-1977	1	Decal-Warning	41	3296-51	1	Nut-Nyloc 3/4-10
22	321-3	1	Screw-HH 1/4-20 X 5/8	42	103-9057	1	Cap-Grease
23	103-4155	2	Pin-Lynch	43	3256-8	1	Washer
24	103-9476	1	Lift Shield ASM	44	103-9029	2	Cup-Bearing Tapered Roller
24:1		1	Shield-Lift ●	45	116-7272-03	1	Shield-Heat
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				

● Not serviced separately

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

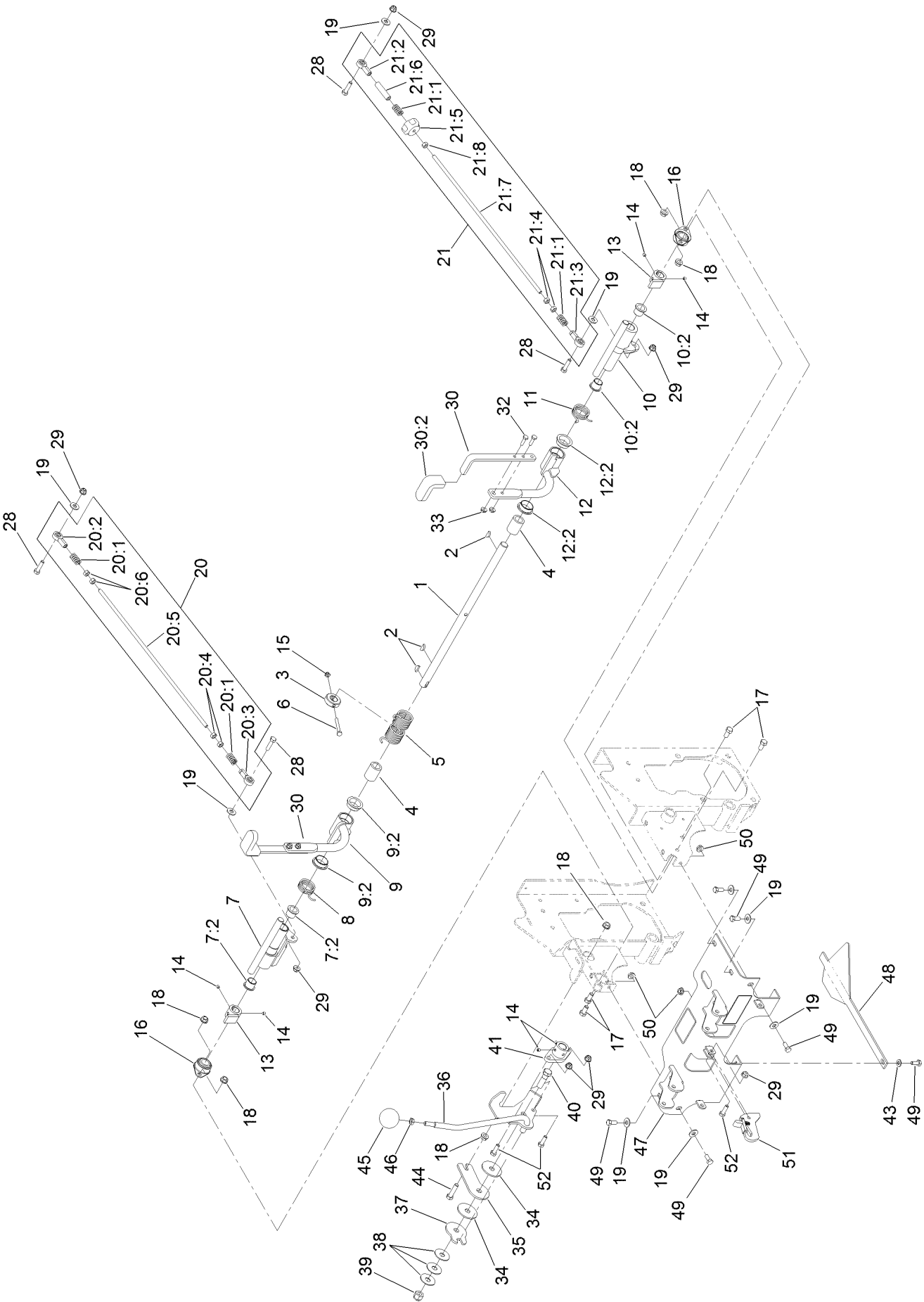
Parking Brake Assembly



Parking Brake Assembly (continued)

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

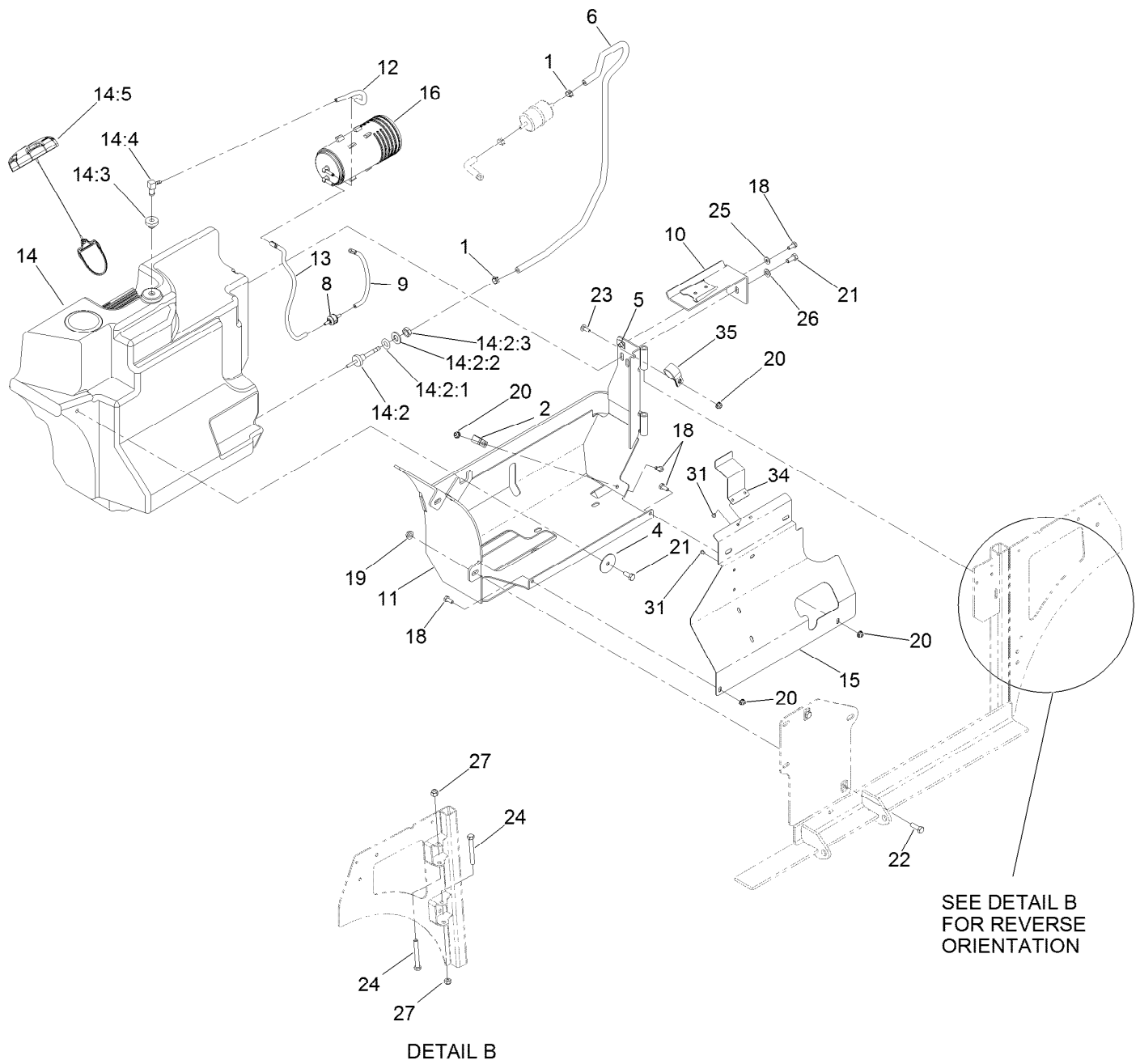
Speed Control Assembly



Speed Control Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	116-7856	1	Shaft-Speed Control	21:3	1-633152	1	Balljoint-LH
2	3257-5	3	Key-Woodruff	21:4	1-804524	2	Nut
3	116-7372	1	Hub-Center Stop	21:5	103-3060	1	Knob-Tracking
4	116-7414	2	Bushing-Plastic	21:6	103-5945	1	Spacer
5	116-8475	1	Spring-Double Torsion	21:7	116-7492	1	Rod-Steering Linkage
6	321-11	1	Screw-HH	21:8	3219-2	1	Nut-Hex
7	116-8444	1	RH Control Hub ASM	28	322-6	4	Screw-HH
7:2	103-4398	2	Bearing-Flange, Iglide	29	104-8300	7	Nut-Flange, NI
8	116-7380	1	Spring-Torsion, RH	30	116-9246	2	Handle ASM
9	116-7408	1	RH Steering Handle ASM	30:2	103-5994	1	Grip-Handle, Steering
9:2	116-7422	2	Bearing-Flange, Iglide	32	321-5	4	Screw-HH
10	116-7416	1	LH Control Hub ASM	33	32128-33	4	Nut-HF
10:2	103-4398	2	Bearing-Flange, Iglide	34	103-5009	2	Disc-Friction
11	116-7381	1	Spring-Torsion, LH	35	116-7846	1	Plate-Friction, Speed Control
12	116-7421	1	LH Steering Handle ASM	36	116-7845	1	Lever-Speed Control
12:2	116-7422	2	Bearing-Flange, Iglide	37	116-7849	1	Plate-Friction, Speed Control
13	103-4342	2	Hub-Speed Control	38	103-5018	3	Washer-Spring Disc
14	108-0989	6	Screw-Set	39	3296-19	1	Nut-Hex
15	3296-56	1	Nut-Lock, NI	40	116-7848	1	Screw-HH
16	1-633102	2	Bearing-Flange, Side	41	116-7859	1	Hub-Speed Control
17	323-4	4	Screw-HH	43	3256-23	1	Washer-Flat
18	3290-357	6	Nut-HHF, Whiz	44	323-8	1	Screw-HH
19	3256-3	9	Washer-Flat	45	103-4397	1	Knob-Ball, Speed Control
20	116-9667	1	RH Pump Linkage ASM	46	3218-3	1	Nut-Jam
20:1	1-323245	2	Spring-Compression	47	116-7384	1	Console ASM
20:2	1-543017	1	Balljoint-RH	48	103-5993-03	1	Guide-Plenum
20:3	1-633152	1	Balljoint-LH	49	322-3	6	Screw-HH
20:4	1-804524	2	Nut	50	32128-20	3	Nut-HF
20:5	116-7492	1	Rod-Steering Linkage	51	103-8494	1	Hook
20:6	3219-2	2	Nut-Hex	52	322-5	3	Screw-HH
21	116-9668	1	LH Pump Linkage ASM				
21:1	1-323245	2	Spring-Compression				
21:2	1-543017	1	Balljoint-RH				

Fuel Assembly



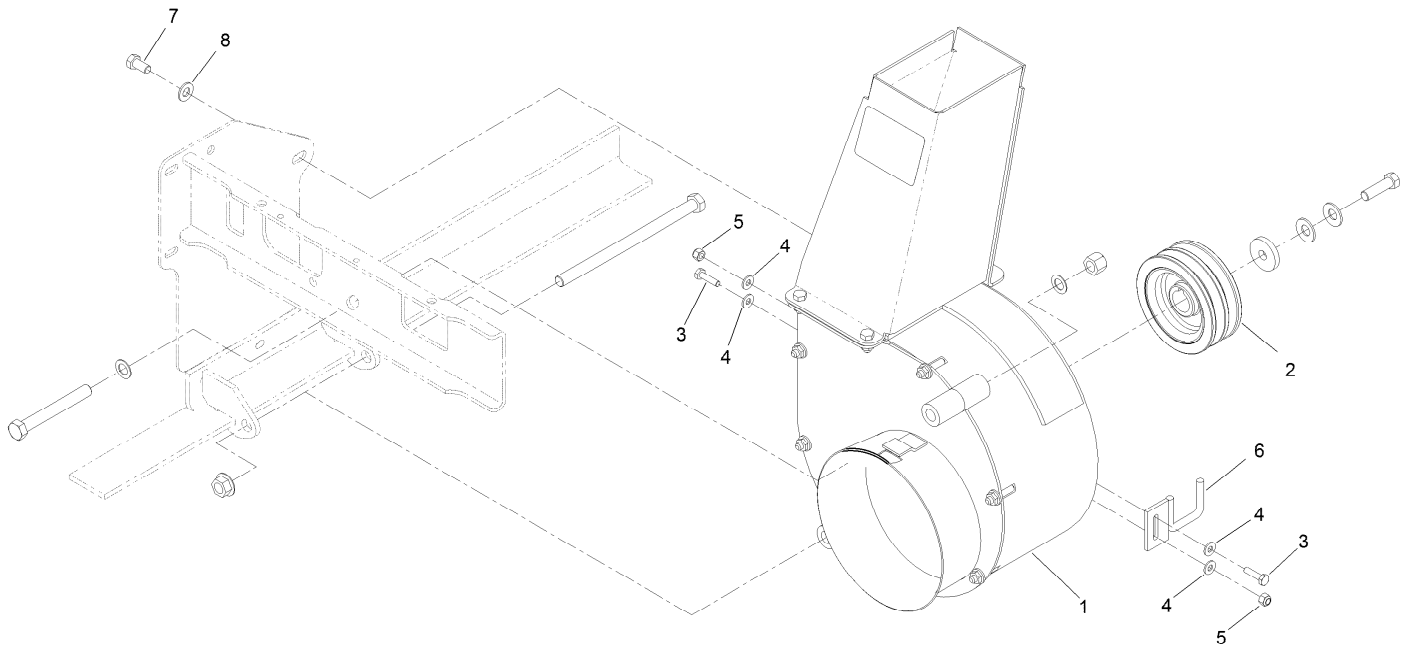
Fuel Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	2412-98	2	Clamp-Hose	14:4	100-1596	1	Fitting-90 DEG
2	1-513762	1	Clip-Loom	14:5	120-5461	1	Cap-Fuel, Ratcheting
4	1-653036	1	Washer	15	116-7928-03	1	Panel-Tank Shield
5	107069	1	Clip	16	117-1221	1	Canister-Carbon, 800Cc
6	109-0284	1	Hose-Fuel	18	321-3	4	Screw-HH
8	115-7868	1	Valve-Check, Vacuum	19	32128-20	2	Nut-HF
9	116-2619	1	Hose-Vent, Formed	20	104-7201	4	Nut-Flange, NI
10	116-2847-03	1	Canister Bracket ASM	21	322-3	2	Screw-HH ●
11	116-2848-03	1	Tank Frame ASM	22	322-5	2	Screw-HH ■
12	116-2966	1	Hose-Vent, Formed	23	3229-1	1	Bolt-CARR
13	116-2967	1	Hose-Vent, Formed	24	323-14	2	Screw-HH
14	116-8365	1	Fuel Tank ASM	25	3256-22	1	Washer-Flat
14:2	103-6057	1	Fitting-Fuel, Bulkhead ●	26	3256-23	1	Washer-Flat
14:2:1	103-2784	1	O-Ring	27	3296-39	2	Nut-Lock, NI
14:2:2	3256-26	1	Washer-Flat	31	1-803035	2	Rivet-Pop
14:2:3	3220-5	1	Nut-Jam	34	116-4037-03	1	Bracket-Shield, Tank
14:3	46-6560	1	Bushing	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.

Blower Mounting Assembly

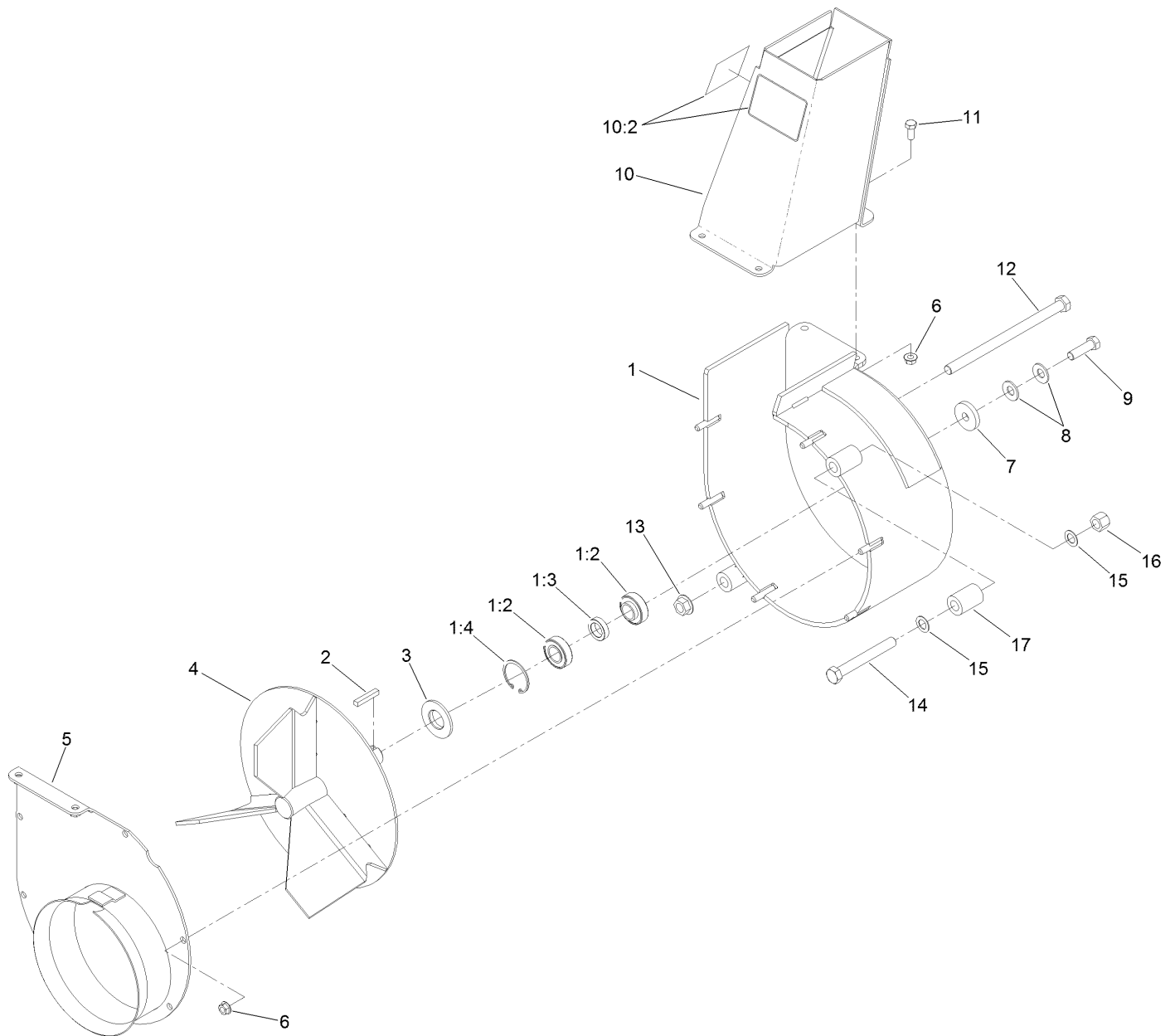


Blower Mounting Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	116-9649	1	Blower ASM
2	103-6733	1	Sheave-Blower
3	321-6	2	Screw-HH
4	3256-22	4	Washer-Flat

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
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

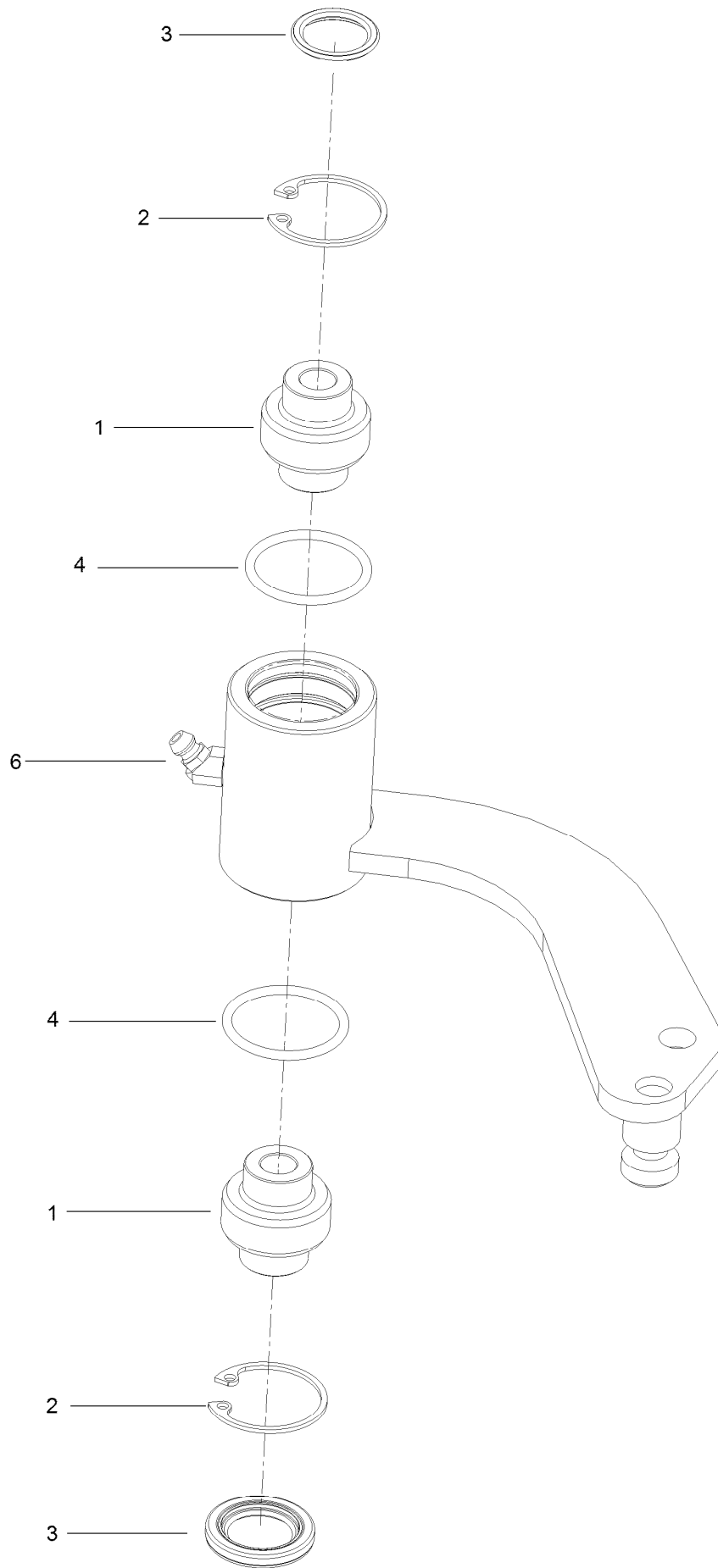


Blower Assembly No. 116-9649 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
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

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
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

Idler Assembly No. 103-7349

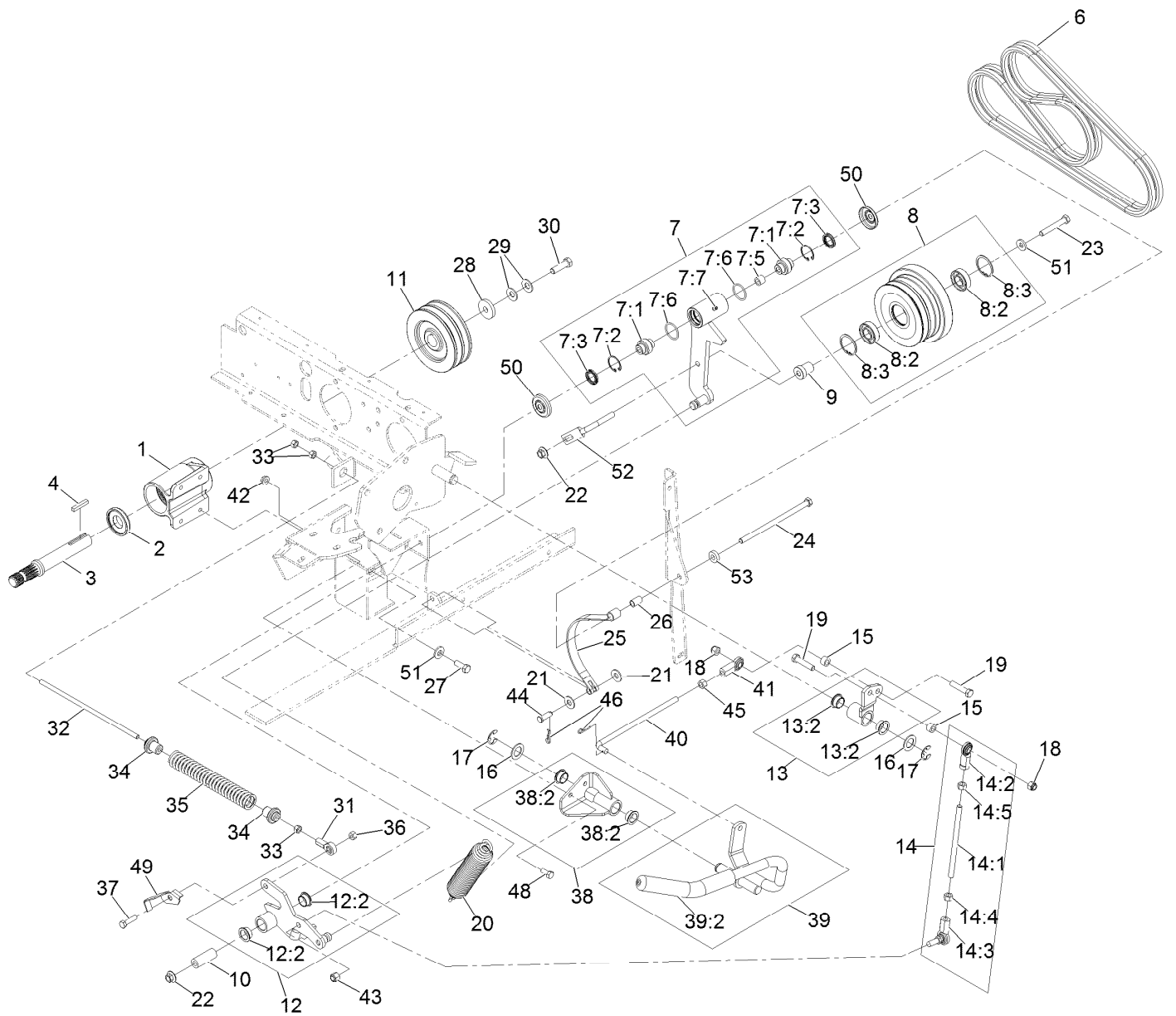


Idler Assembly No. 103-7349 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	103-3504	2	Bearing-Spherical
2	32120-10	2	Ring-Snap
3	103-3506	2	Seal-Lip, Single

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
4	106-7159	2	O-Ring
6	302-11	1	Fitting-Lube, 45 DEG

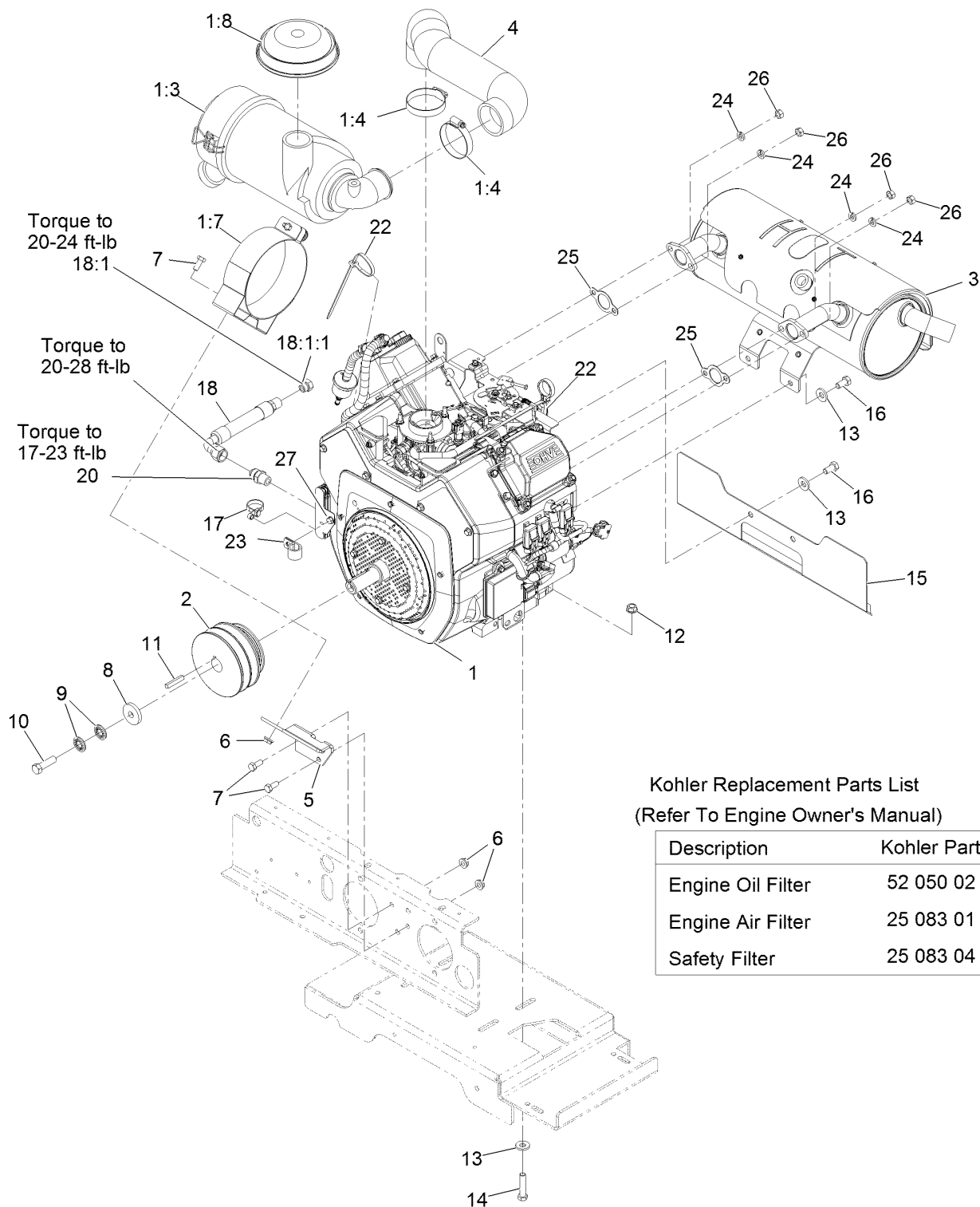
Drive Assembly



Drive Assembly (continued)

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

Engine Assembly



Kohler Replacement Parts List
(Refer To Engine Owner's Manual)

Description	Kohler Part
Engine Oil Filter	52 050 02
Engine Air Filter	25 083 01
Safety Filter	25 083 04

Engine Assembly (continued)

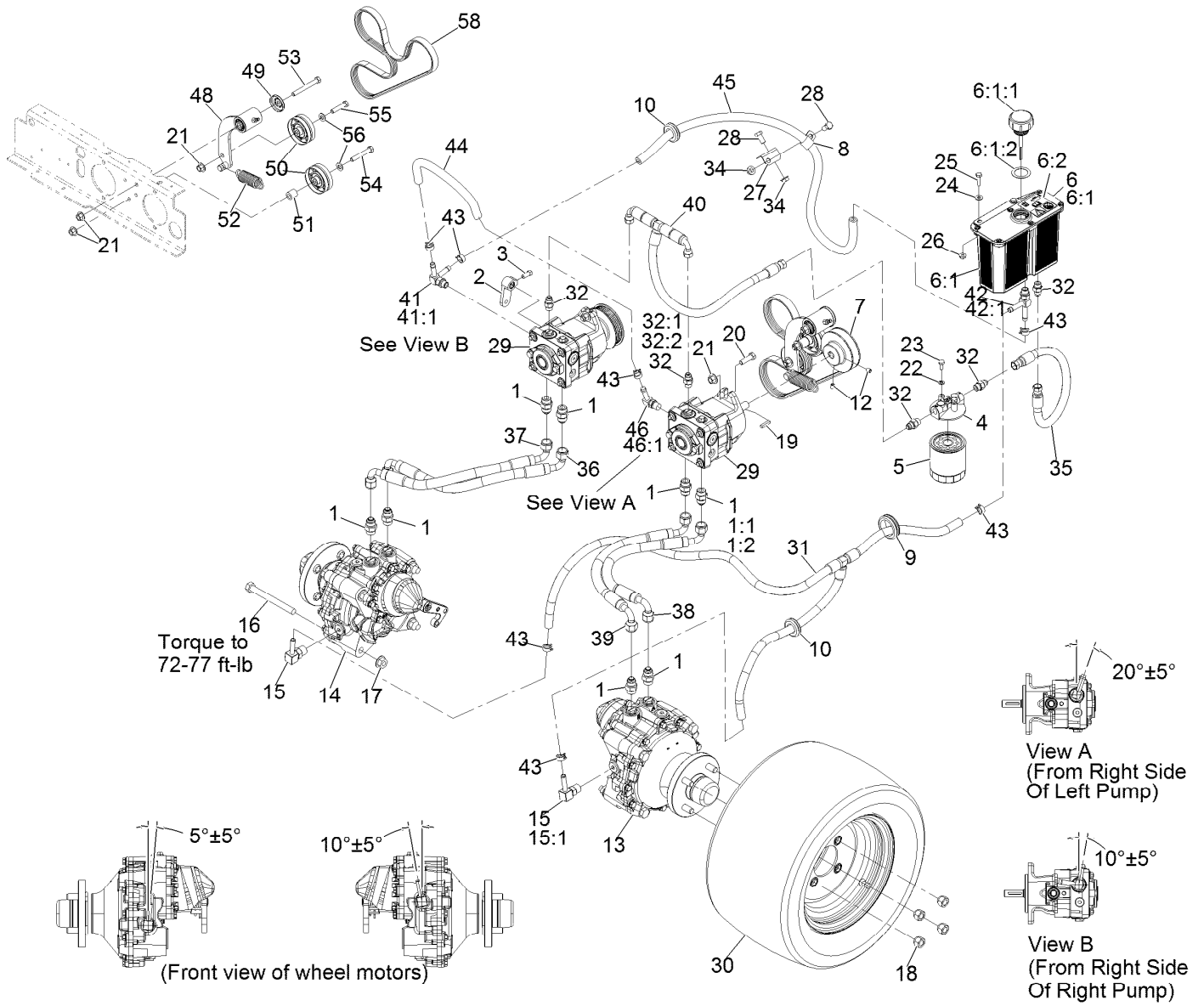
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1		1	ASM-Engine-Kohler, Ch640-3164 ●	12	3290-357	4	Nut-Whizlock 3/8-16
1:3	103-8569	1	Air Cleaner Canister ASM	13	98-5975	8	Washer-Spring Disc 3/8
1:4	2412-42	2	Clamp-Hose	14	323-9	4	Screw-HH 3/8-16 X 1 3/4
1:7	103-1058	1	Bracket-Filter, Air	15	109-0181-03	1	Shield-Exhaust
1:8	100-2436	1	Asm-Hood Air Intake W/Clamp	16	323-4	4	Screw-HH 3/8-16 X 3/4
2	103-6731	1	Sheave-Engine	17	109-7896	1	Tie-Cable
3	103-7444	1	Muffler	18	116-5338	1	Oil Drain Hose ASM
4	103-6961	1	Hose-Air Intake	18:1	353-508	1	Plug-W/O-Ring
5	103-3695-03	1	Bracket-Air Filter	18:1:1	237-42	1	O-Ring
6	32128-20	4	Nut-Whizlock 5/16-18	20	116-1455	1	Fitting-Straight ■
7	322-3	4	Screw-HH 5/16-18 X 3/4	22	1-303335	3	Tie-Cable 7 15/16 (Large)
8	1-543610	1	Washer	23	1-633396	1	Clip-Loom 5/8
9	1-603610	2	Washer-Spring Disc 7/16	24	1-805005	4	Washer-Lock 5/16 Heavy
10	3212-6	1	Screw-HH 7/16-20 X 1 1/2 ▲	25	1-653291	2	Gasket-Exhaust
11	67-7490	1	Key-Machine 1/4 X 1/4 X 1 1/2	26	33014-00	4	Nut-Hex M8-1.25
				27	126-4338	1	Screw-HH

● 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.

Hydraulic Assembly

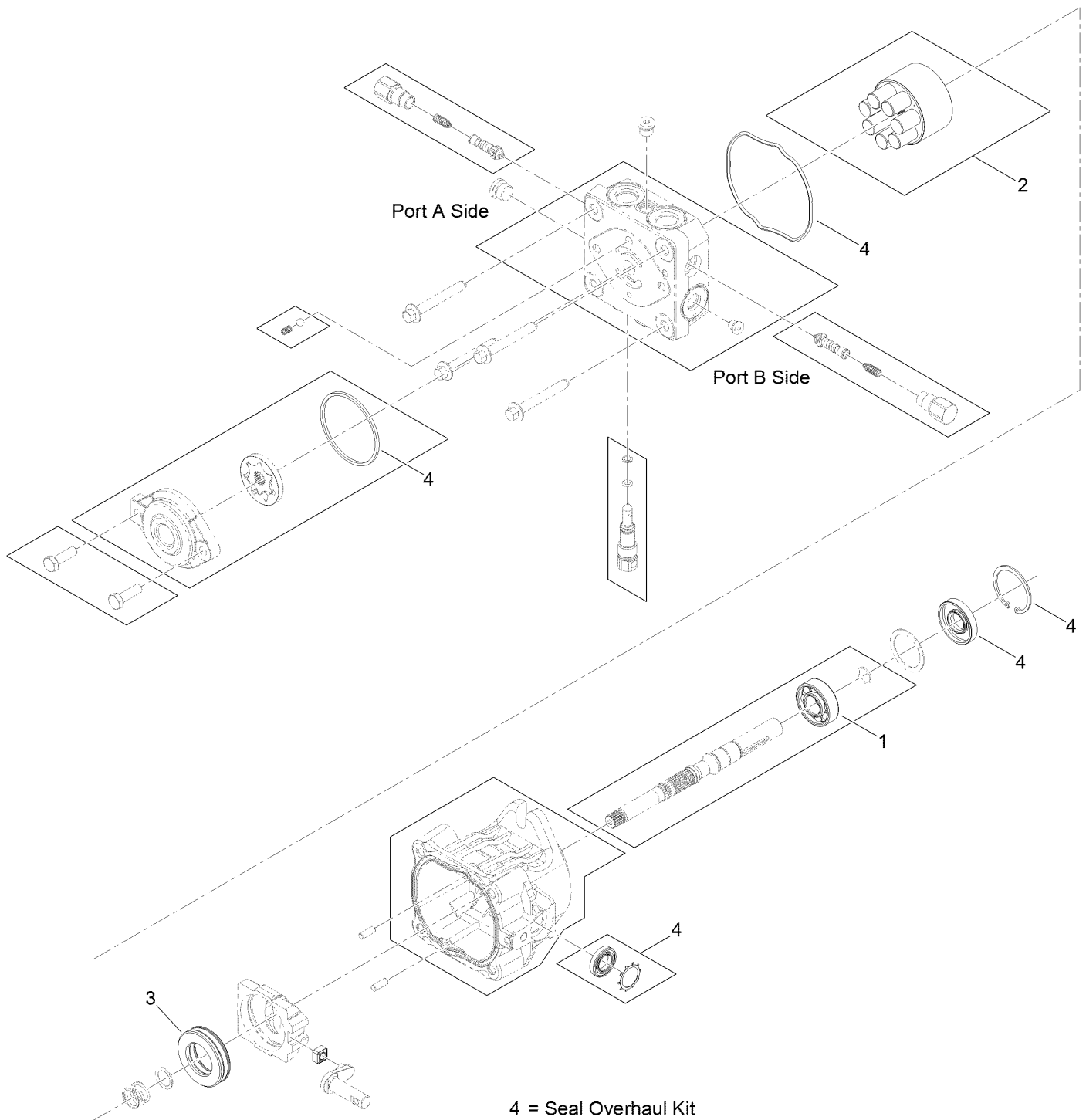


Hydraulic Assembly (continued)

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

● Not serviced separately

Hydraulic Pump Assembly No. 116-7836

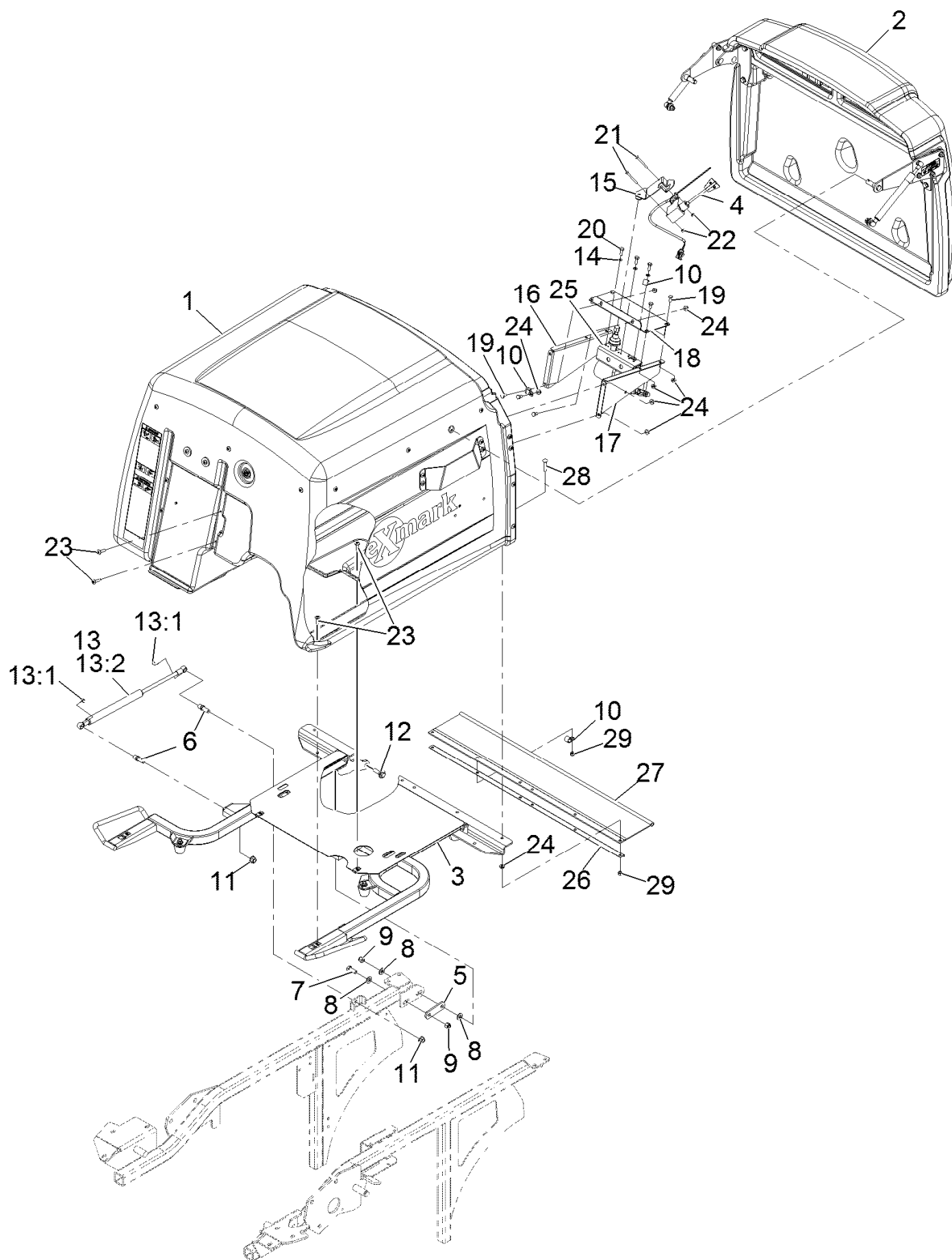


Hydraulic Pump Assembly No. 116-7836 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	104-5311	1	Bearing-Ball
2	103-7443	1	Cylinder Block Kit

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
3	121-3235	1	Bearing-Thrust, Plastic Cage
4	105-6184	1	Seal Overhaul Kit

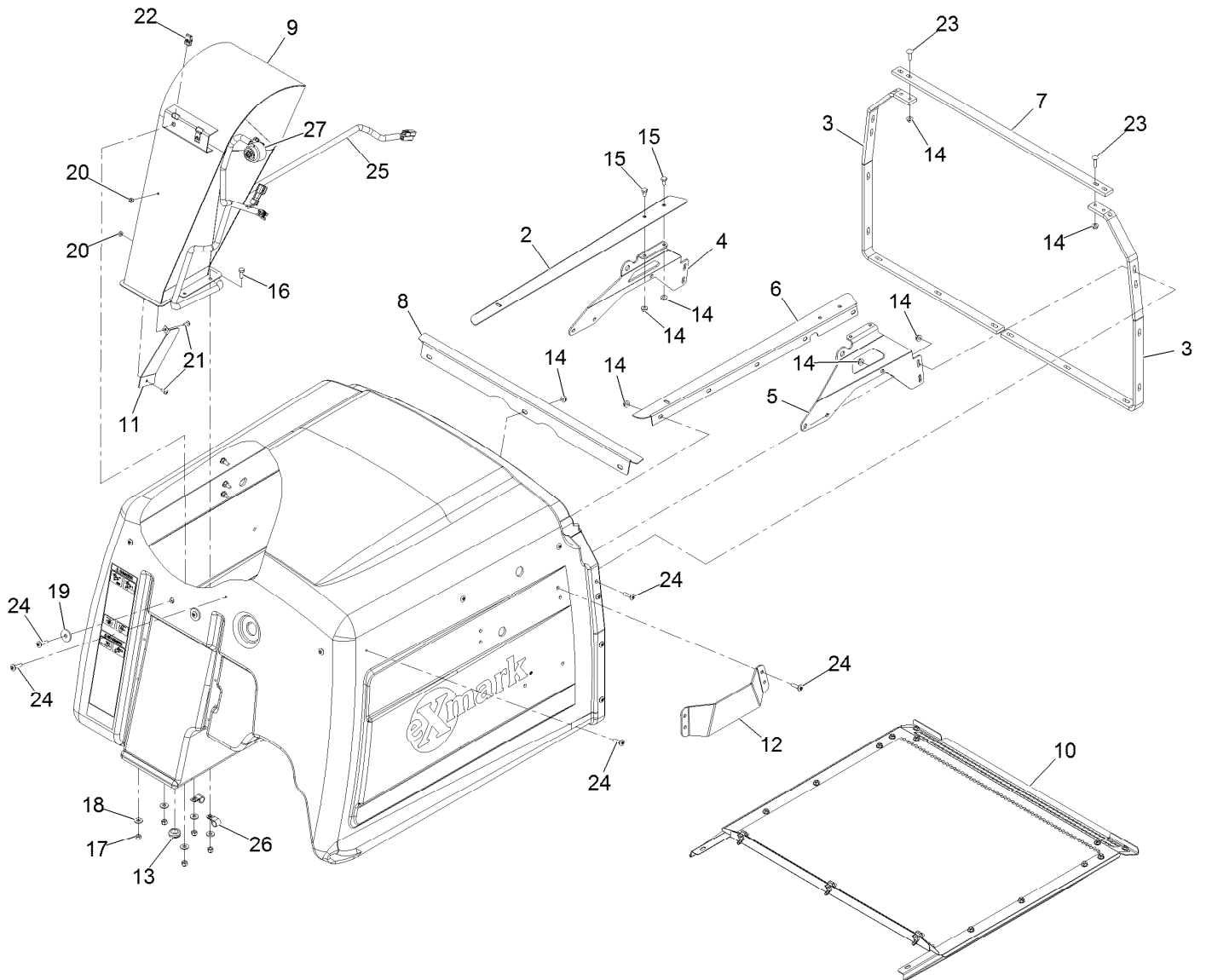
Hopper Assembly



Hopper Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	103-9457	1	Asm, Hopper	15	109-3648	1	Mount-Switch
2	103-9456	1	Asm, Door Hopper	16	103-6067-03	1	Bracket-Drive Motor, LH
3	109-4086	1	Hopper Frame ASM	17	103-6068-03	1	Bracket-Drive Motor, RH
4	103-9466	1	Asm, Fill Sensor	18	103-7085-03	1	Plate-Switch
5	1-633068	2	Arm-Lift, Deck	19	321-2	7	Screw-HH
6	103-5426	2	Stud-Ball	20	329-4	3	Screw-HH
7	323-6	2	Screw-HH	21	3250-48	2	Screw-PPH
8	3256-24	6	Washer-Flat	22	3296-2	2	Nut-Lock, NI
9	3296-39	4	Nut-Lock, NI	23	32105-32	8	Screw-TTH
10	1-513762	3	Clip-Loom	24	32128-33	17	Nut-HF
11	33005-00	2	Nut-HF	25	109-3853	1	Motor
12	614672	2	Bolt-Shoulder	26	103-6022-03	1	Channel-Hopper Frame
13	109-0716	1	Damper Kit	27	103-6025	1	Deflector-Grass
13:1	103-8325	2	Clip-Retainer	28	3229-4	6	Screw-CARR
13:2	103-5425	1	Shock-Gas Compression	29	3296-42	6	Nut-Lock, NI
14	1-303435	3	Washer-Spring				

Hopper Assembly No. 103-9457

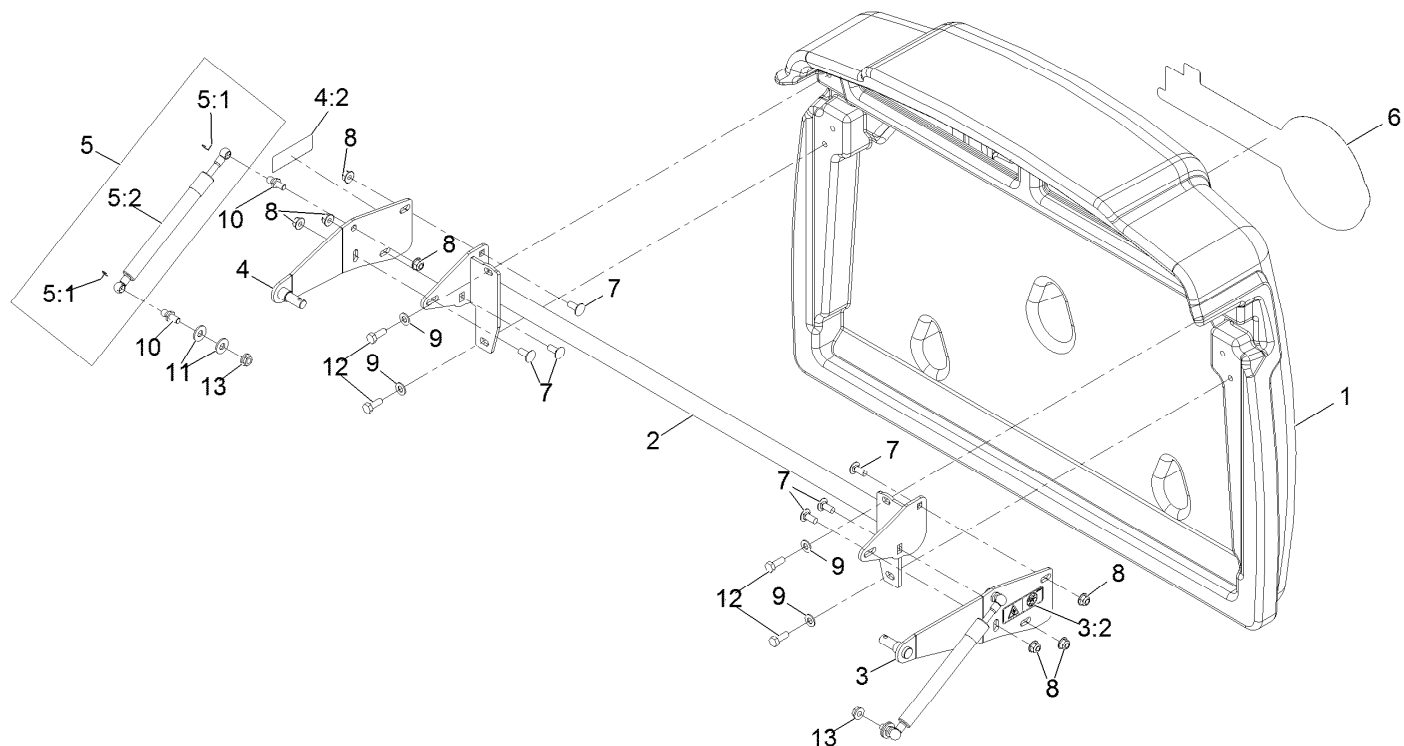


Hopper Assembly No. 103-9457 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
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

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
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

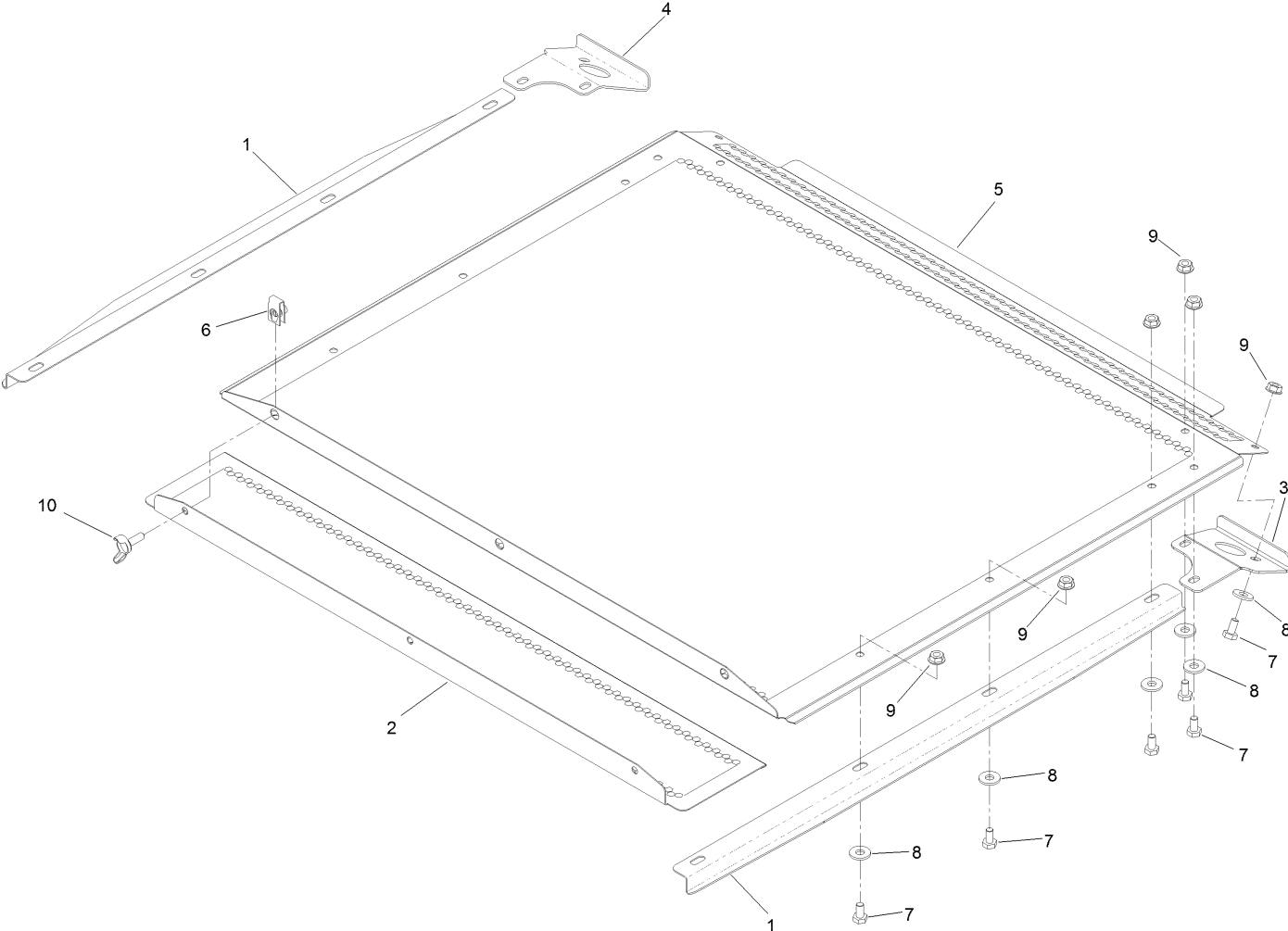
Hopper Door Assembly No. 103-9456



Hopper Door Assembly No. 103-9456 (continued)

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

Hopper Screen Assembly No. 109-0717

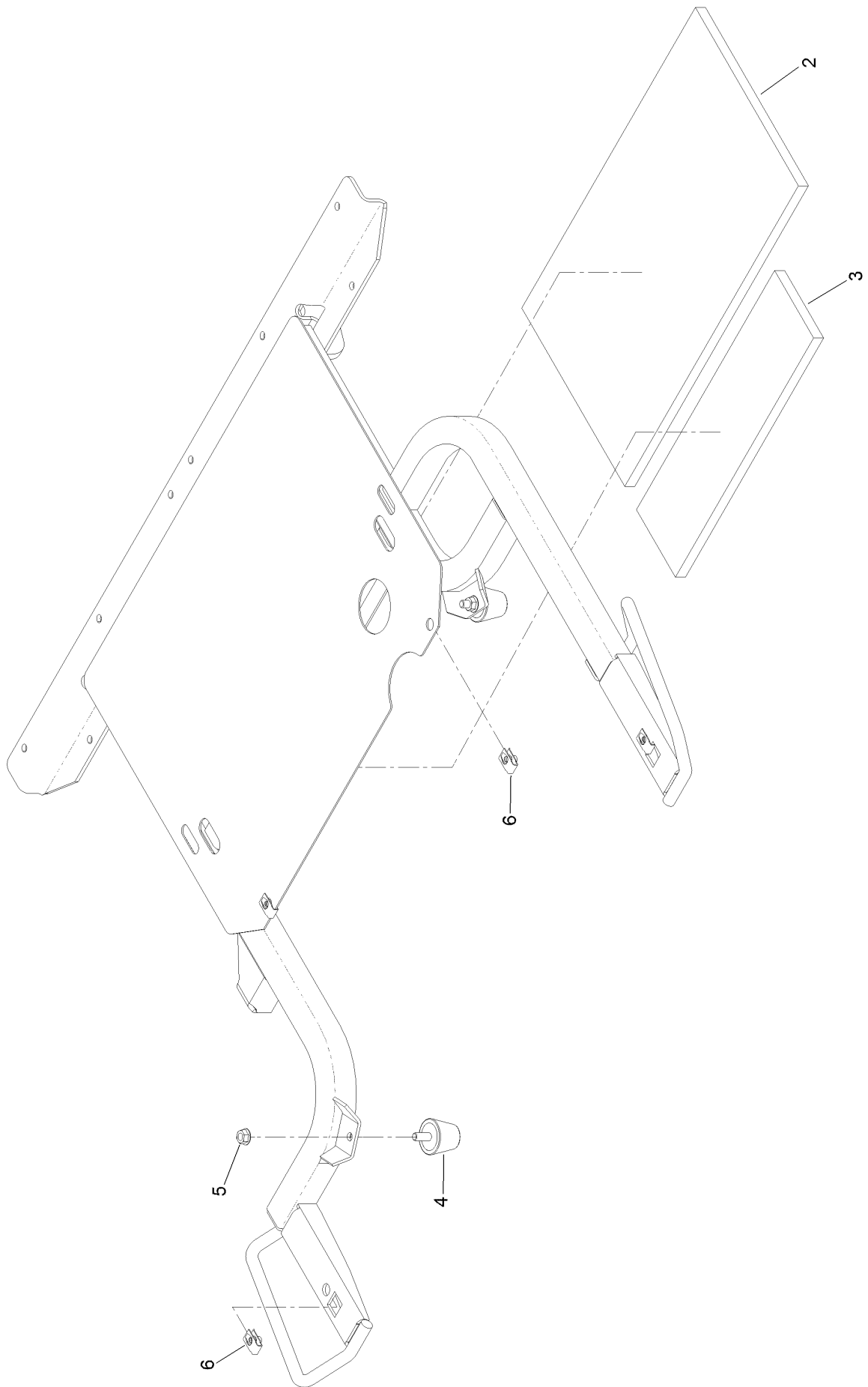


Hopper Screen Assembly No. 109-0717 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
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

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
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 Frame Assembly No. 109-4086

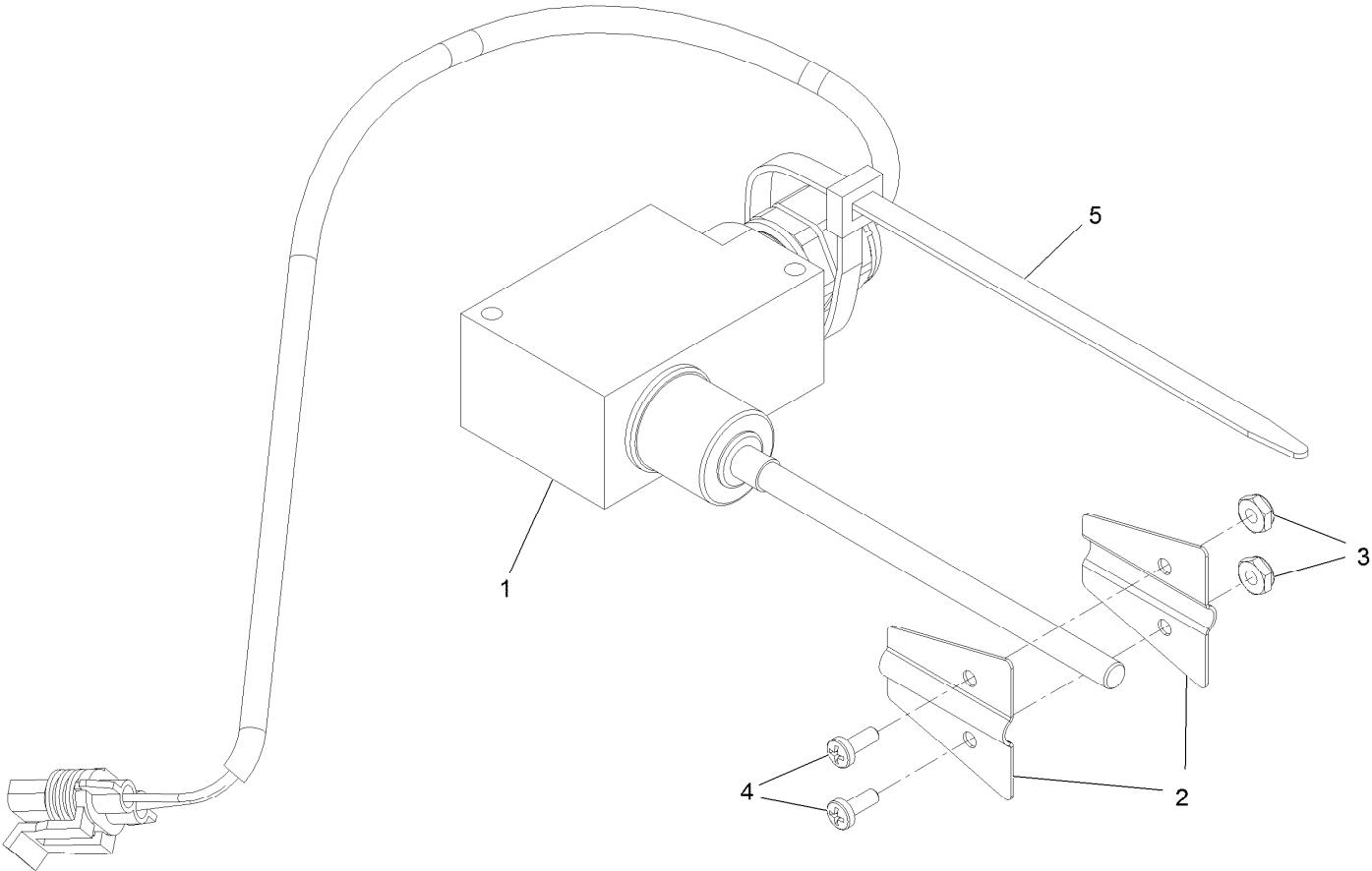


Hopper Frame Assembly No. 109-4086 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
2	103-7824	1	Insulation-Foam Pad, Rear
3	103-7825	1	Insulation-Foam Pad, Front
4	1-543963	2	Bumper-Rubber

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
5	32128-20	2	Nut-HF
6	107069	4	Clip

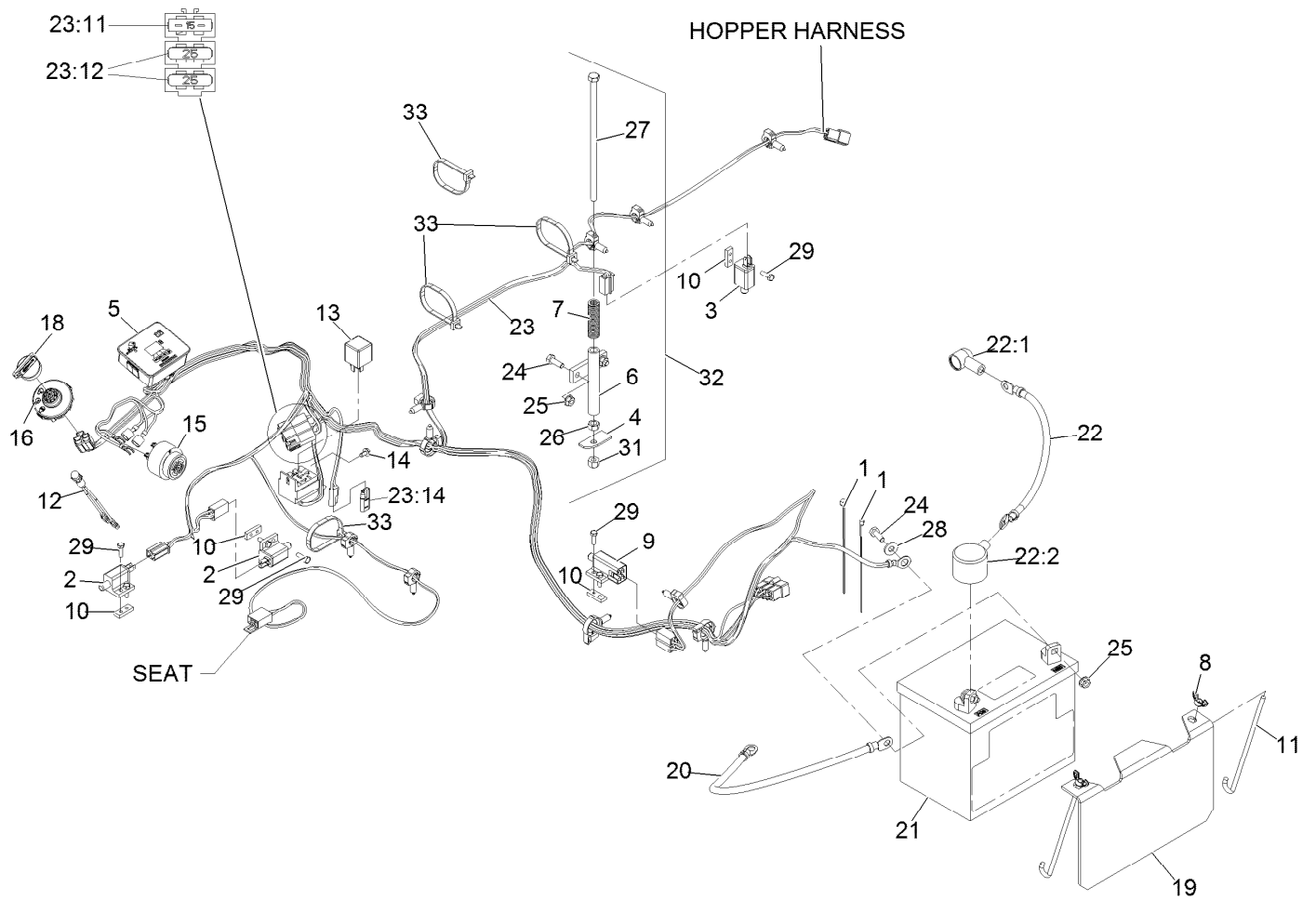
Fill Sensor Assembly No. 103-9466



Fill Sensor Assembly No. 103-9466 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	109-3854	1	Fill Sensor Wire Kit	4	9107622	2	Screw-PPH #6-32 X 5/8
2	103-8789	2	Flag-Sensor, Fill	5	1-303335	1	Tie-Cable 7 15/16 (Large)
3	3296-9	2	Nut-Nyloc #6-32 Thin				

Electrical Assembly



Electrical Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	1-303287	2	Tie-Cable 5 1/2 (Small)	21		1	Battery (300 Cca, Wet) ● ■
2	1-513051	2	Switch-N.O.	22	116-4730	1	Cable-Battery, Positive
3	1-513152	1	Switch-N.C.	22:1	1-543393	1	Insulator-Solenoid
4	126-7505	1	Plate-Switch	22:2	109-2407	1	Insulator-Battery
5	116-8812	1	Hour Meter ASM	23	116-9114	1	Harness-Wiring ▲
6	1-522424-03	1	Mount-Spring, Seat	23:11	109355	1	Fuse-Blade, 15 Amp
7	1-523415	1	Spring	23:12	109102	2	Fuse-Blade, 25 Amp
8	1-543792	2	Wingnut-Nyloc 1/4-20	23:14	116-0053	1	Cap-Plug
9	1-633111	1	Switch	24	321-4	4	Screw-HH 1/4-20 X 3/4
10	1-633181	4	Plate-Tapped	25	32128-33	4	Nut-Whizlock 1/4-20
11	1-633651	2	Bolt-Holddown	26	3217-6	1	Nut-Hex 5/16-18
12	1-643267	1	Indicator-Red Led	27	322-50	1	Screw-HH 5/16-18 X 7 1/2
13	1-643275	1	Relay-12Vdc 40 Amp	28	3256-2	2	Washer-1/4 Std
14	104-2065	1	Screw-HWH #10-24 X 3/8	29	3290-134	8	Screw-HH Machine 10-24 X 5/8
15	103-0205	1	Alarm-Dual Tone 12Vdc	31	3296-29	1	Nut-Nyloc 5/16-18
16	117-2221	1	Switch-Ignition	32	103-8528	1	Hopper Switch Actuator ASM
18	103-2106	1	Key-Exmark Logo	33	1-303335	4	Tie-Cable 7 15/16 (Large)
19	103-4161-03	1	Hold Down-Battery				
20	103-8355	1	Cable-Ground(-)				

● Obtain locally.

■ Not serviced separately

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

Notes:

Notes:

Notes:



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12V POWER PORT	ULTRA VAC QUICK DISPOSAL SYSTEM
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