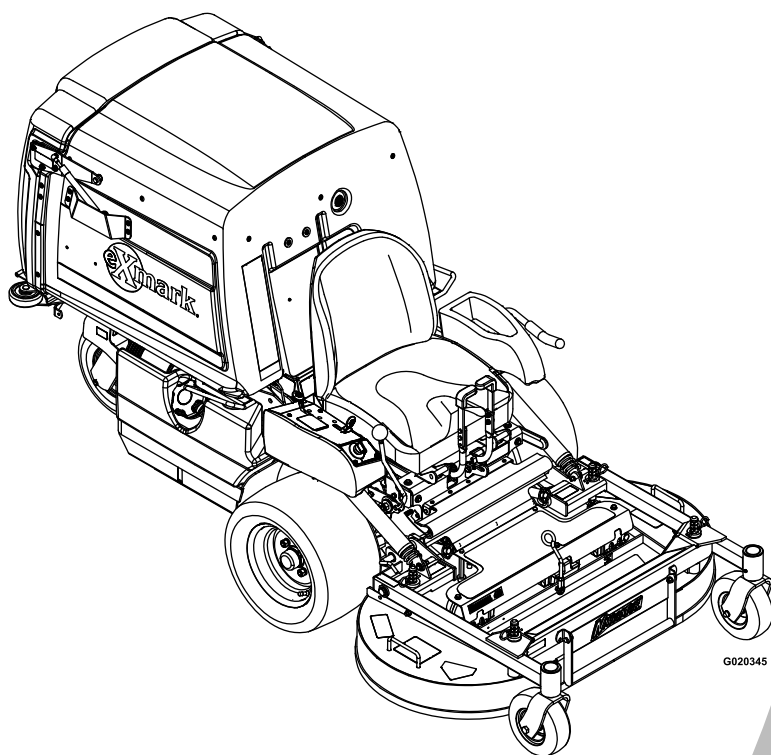




NAVIGATOR®

Model No. NV730EKC48—Serial No. 313000000 and Up

Picture below may not reflect actual product.



G020345

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.

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).

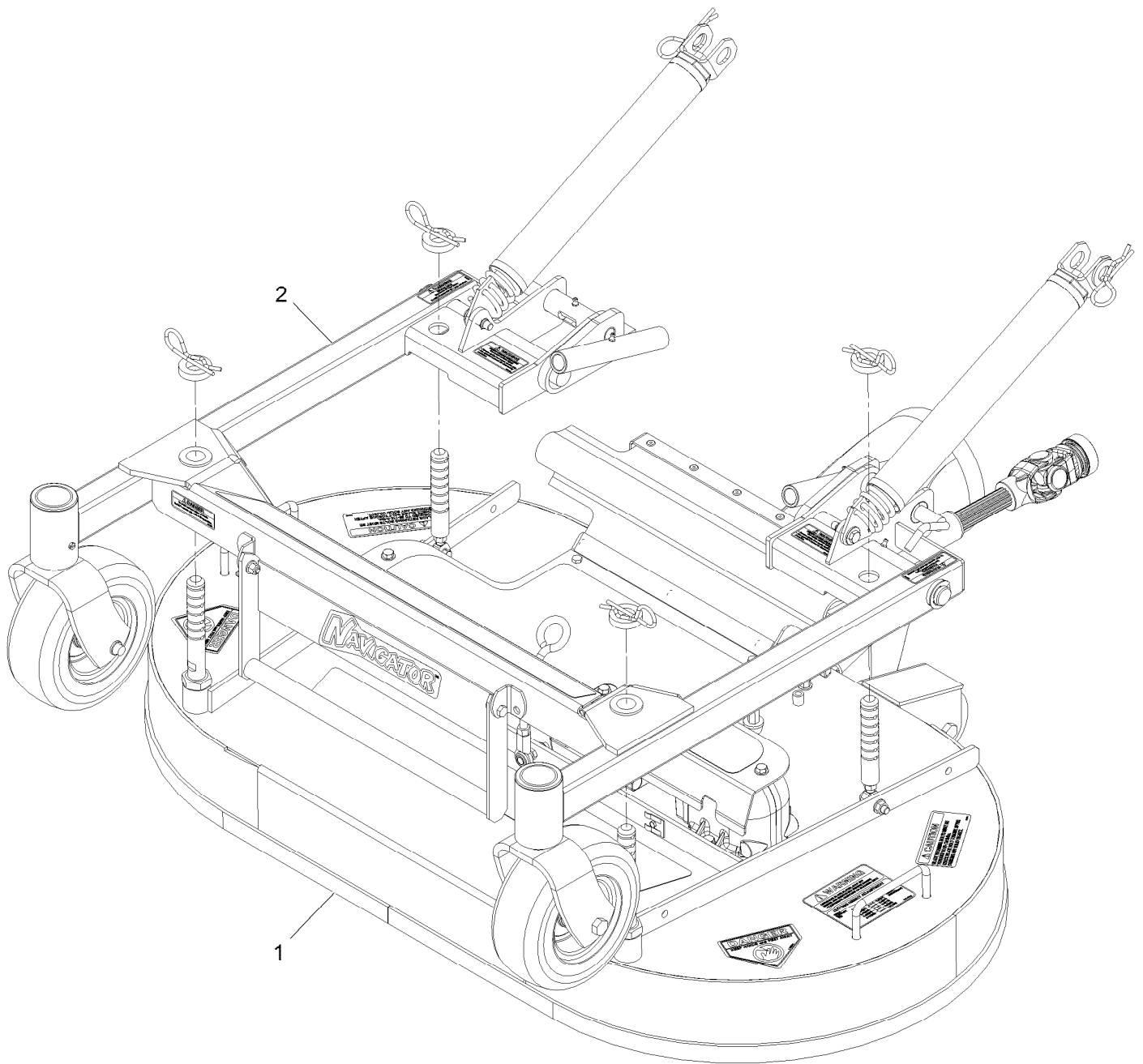


If your Exmark dealer does not have the Exmark part in stock, Exmark will get the parts to the dealer the next business day or the part will be FREE Guaranteed!! (Some restrictions apply. See your participating Exmark Dealer for details.)

Contents

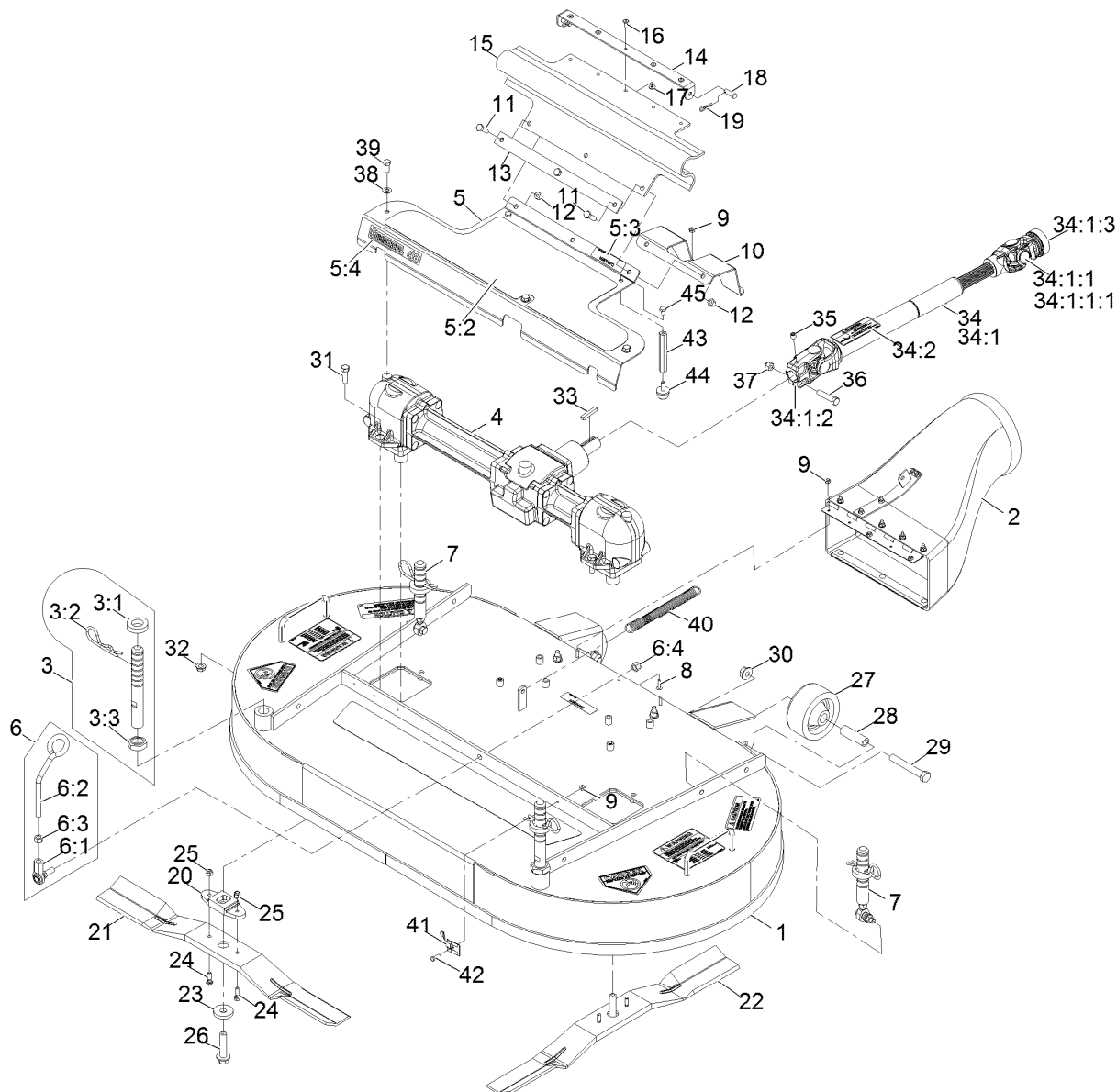
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Deck W/Decals No. 109-4372	8
Discharge Tube Assembly No. 103-9487	10
Gearbox Assembly No. 103-3387	12
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Deck Support Frame Assembly	14
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Complete Deck and Support Frame Assembly



Complete Deck and Support Frame Assembly (continued)

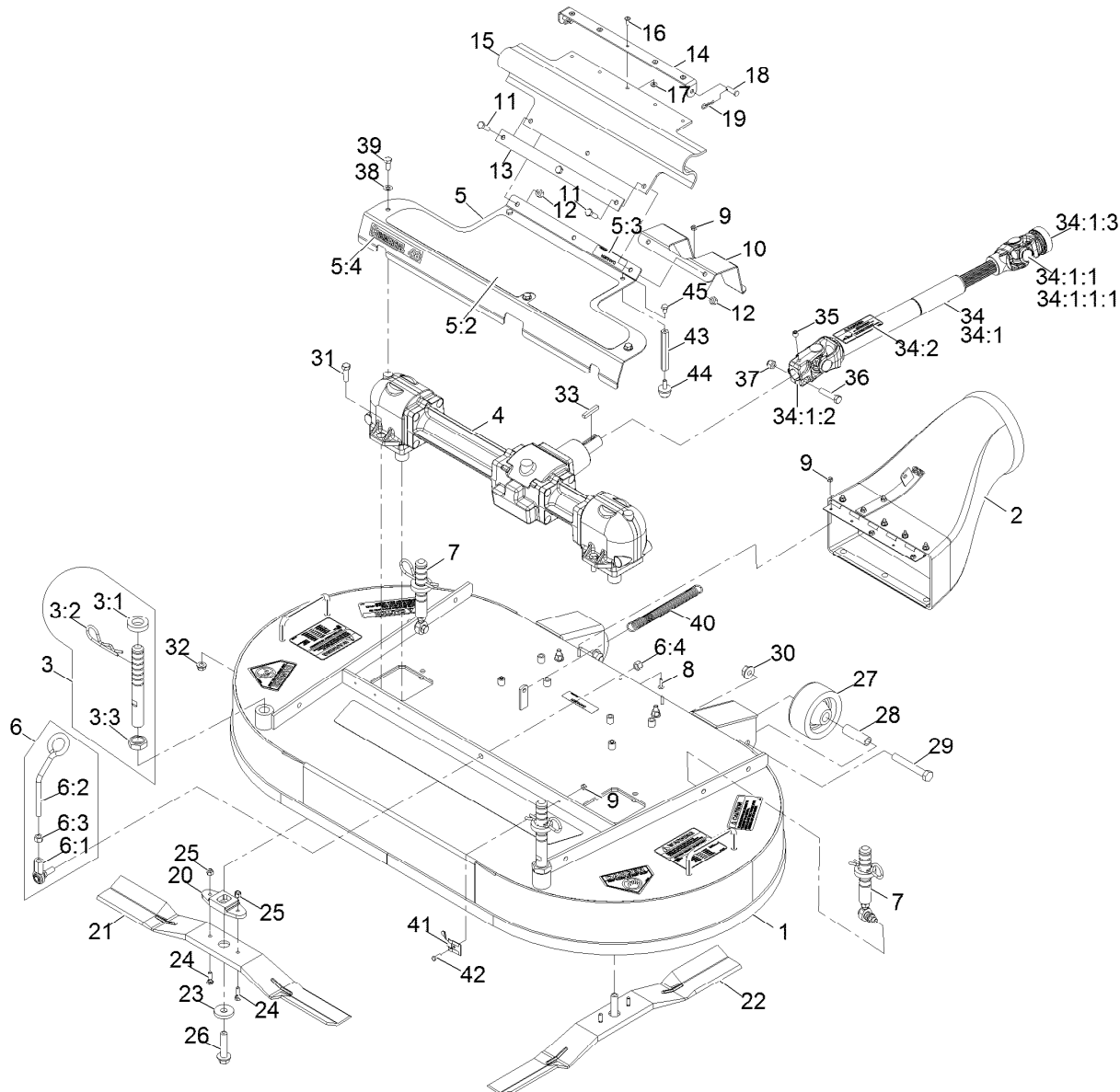
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	142-2921	1	Deck-Cutting
2	116-7841	1	Deck Support Frame ASM



Deck Assembly

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	109-4372	1	Deck Decal And Baffle ASM	7	109-0323	2	Rear Deck Height Adjust ASM
2	103-9487	1	Discharge Tube ASM	8	1-803075	3	Screw-Truss Head #10-24 X 3/4
3	109-0321	2	Front Deck Height Adjust ASM	9	3296-2	6	Nut-Nyloc #10-24
3:1	1-413425	1	Spacer-Deck Support	10	116-7843-01	1	Guard-Drive Shaft
3:2	103-7353	1	Pin-Cut Height	11	322-5	3	Screw-HH 5/16-18 X 1
3:3	103-8496	1	Nut-Jam 7/8-9	12	3296-29	3	Nut-Nyloc 5/16-18
4	103-3387	1	Gear Box ASM	13	103-6290-03	1	Strap-Drive, Line Cover
5	103-9496	1	Asm, Gearbox Cover W/Decal (48")	14	103-6183-03	1	Bracket-Guard, PTO
5:2	103-8629	1	Pad-Anti Skid	15	103-5979	1	Guard-PTO
5:3	98-5954	1	Decal-Cover, Missing	16	114439	5	Rivet
5:4	1-403131	1	Decal, Commercial 48	17	3256-14	5	Washer-#10 Std
6	103-8363	1	Deck Latch ASM	18	1-808280	2	Pin-Clevis 5/16 X 1 49/64
6:1	103-7994	1	Balljoint	19	1-806003	2	Hairpin-Cotter
6:2	103-8307	1	Latch-Deck	20	103-7705	2	Driver-Blade
6:3	3219-3	1	Nut-Hex 3/8-24	21	103-4208	1	Blade, RH (48") Red
6:4	3296-6	1	Nut-Nyloc 3/8-24	22	103-4207	1	Blade, LH (48") Black
				23	30-8770	2	Washer

● Not serviced separately

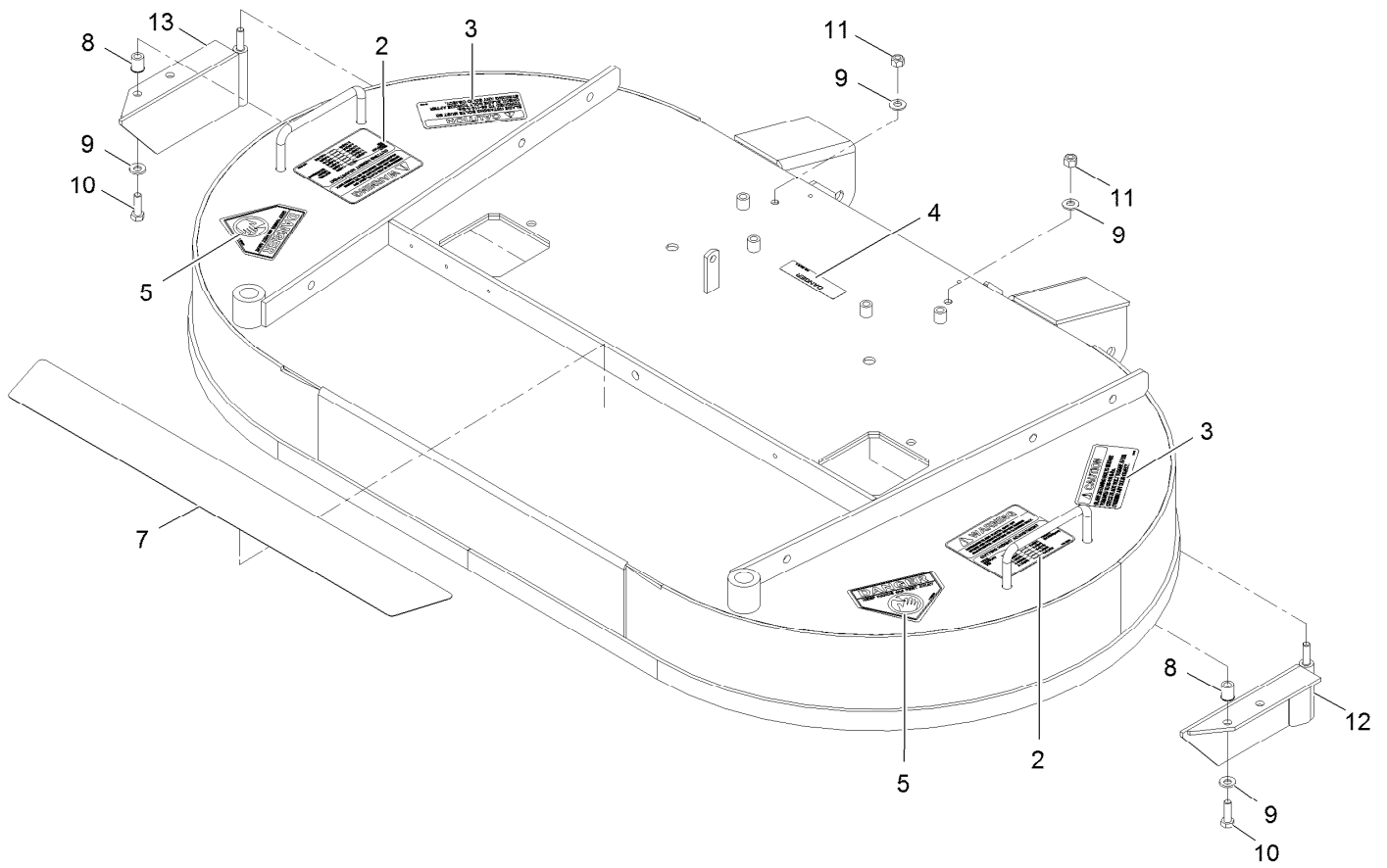


Deck Assembly (continued)

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
24	99-0283	4	Bolt-Shear 1/4-20 X 7/8	34:1:2	103-9328	1	Yoke-Keyed
25	3296-42	4	Nut-Nyloc 1/4-20	34:1:3	103-9329	1	Yoke-Quick Disconnect
26	92-5816	2	Bolt-Blade 1/2-20 X 2 1/4	34:2	103-8425	1	Decal-Driveline
27	103-3700	2	Roller-Deck	35	3247-2	1	Setscrew-3/8-16 X 3/8
28	103-4230	2	Spacer-Roller	36	323-9	1	Screw-HH 3/8-16 X 1 3/4
29	325-14	2	Screw-HH 1/2-13 X 3 1/2	37	3296-39	1	Nut-Nyloc 3/8-16
30	32128-49	2	Nut-Whizlock 1/2-13	38	3256-23	3	Washer-5/16 SAE
31	323-7	4	Screw-HH 3/8-16 X 1 1/4	39	322-3	3	Screw-HH 5/16-18 X 3/4
32	3290-357	4	Nut-Whizlock 3/8-16	40	103-8841	1	Spring-Extension
33	67-7490	1	Key-Machine 1/4 X 1/4 X 1 1/2	41	1-513690	1	Clip-Deck, Hold Up Rod
34	103-9485	1	Drive Shaft ASM	42	3290-134	1	Screw-HH Machine 10-24 X 5/8
34:1		1	Shaft,Drive Telescoping ●	43	103-8610	2	Stand-Off
34:1:1	54-9180	2	U-Joint Kit	44	1-523420	2	Bumper
34:1:1:1	62-3820	1	Fitting-Grease	45	321-2	2	Screw-HH 1/4-20 X 1/2

● Not serviced separately

Deck W/Decals No. 109-4372

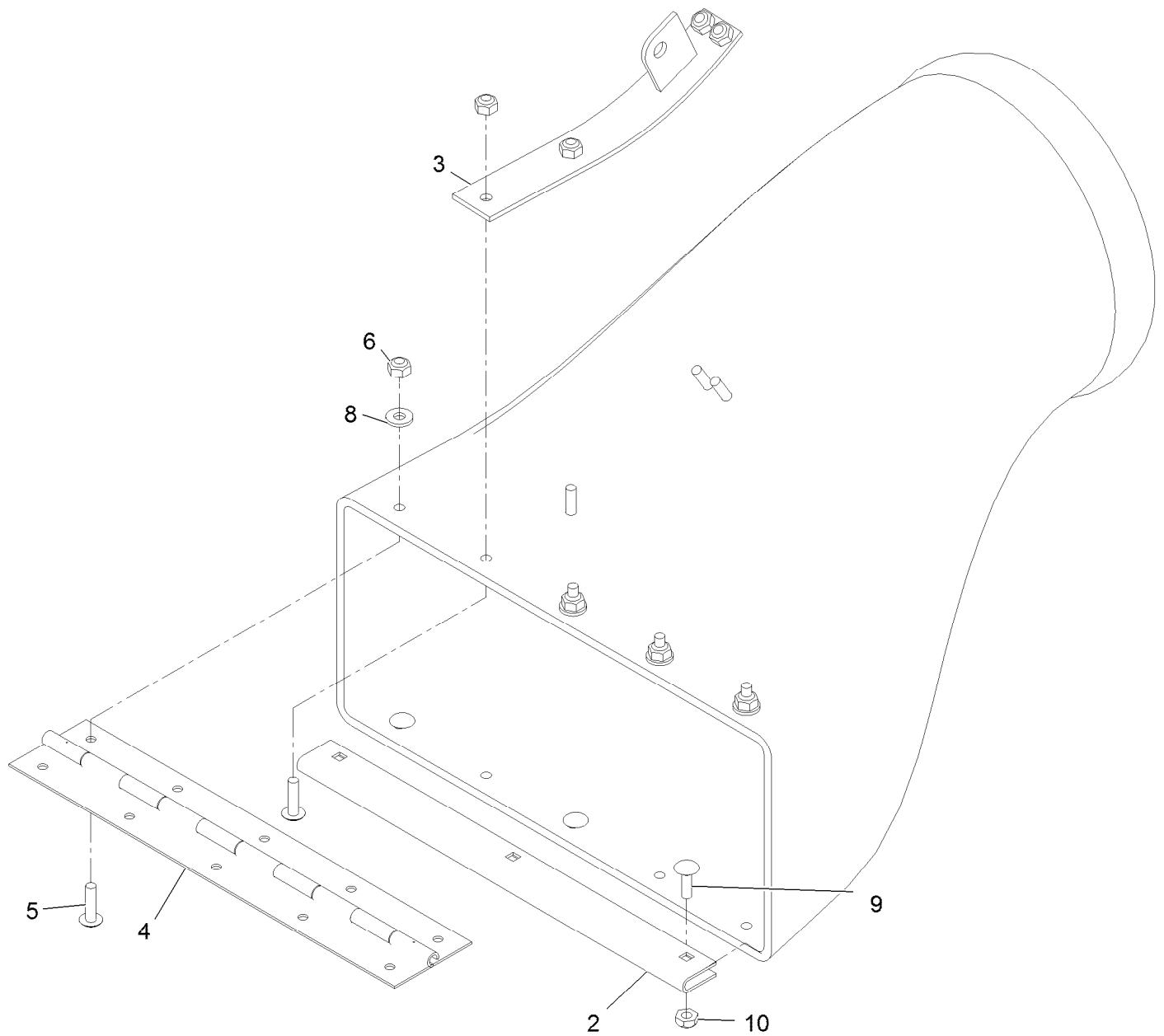


Deck W/Decals No. 109-4372 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
2	103-6230	2	Decal-Cutting Height Adjustment
3	68-8340	2	Decal-Torque
4	98-5954	1	Decal-Cover, Missing
5	1-403005	2	Decal-Danger
7	103-8630	1	Pad-Anti Skid

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
8	32148-7	6	Nut-Clinch
9	1-303334	4	Washer-Spring Disc 5/16
10	322-5	2	Screw-HH 5/16-18 X 1
11	3296-29	2	Nut-Nyloc 5/16-18
12	109-4053-01	1	Baffle-LH
13	109-4054-01	1	Baffle-RH

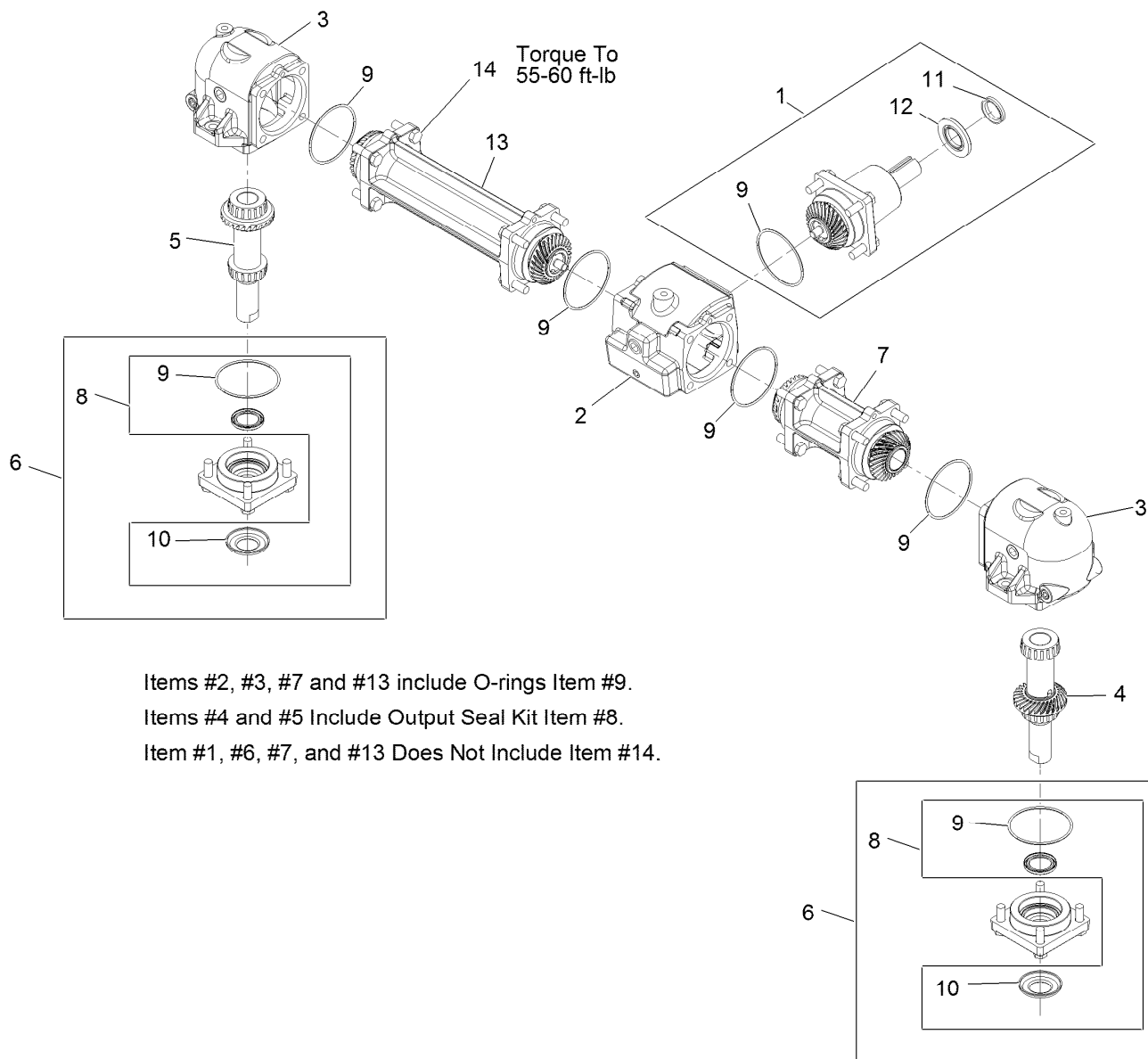
Discharge Tube Assembly No. 103-9487



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-Truss Head #10-24 X 3/4

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
6	3296-2	8	Nut-Nyloc #10-24
8	3256-14	4	Washer-#10 Std
9	1-807533	3	Bolt-Carriage #10-24 X 5/8
10	3296-12	3	Nut-Nyloc #10-24 Thin

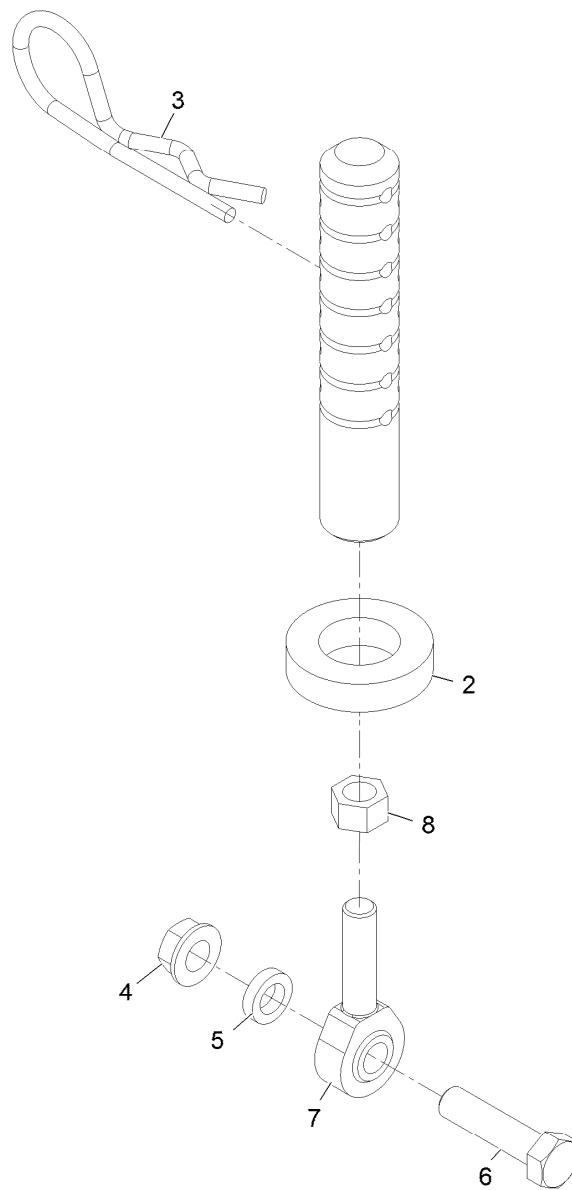


Items #2, #3, #7 and #13 include O-rings Item #9.
 Items #4 and #5 Include Output Seal Kit Item #8.
 Item #1, #6, #7, and #13 Does Not Include Item #14.

Gearbox Assembly No. 103-3387

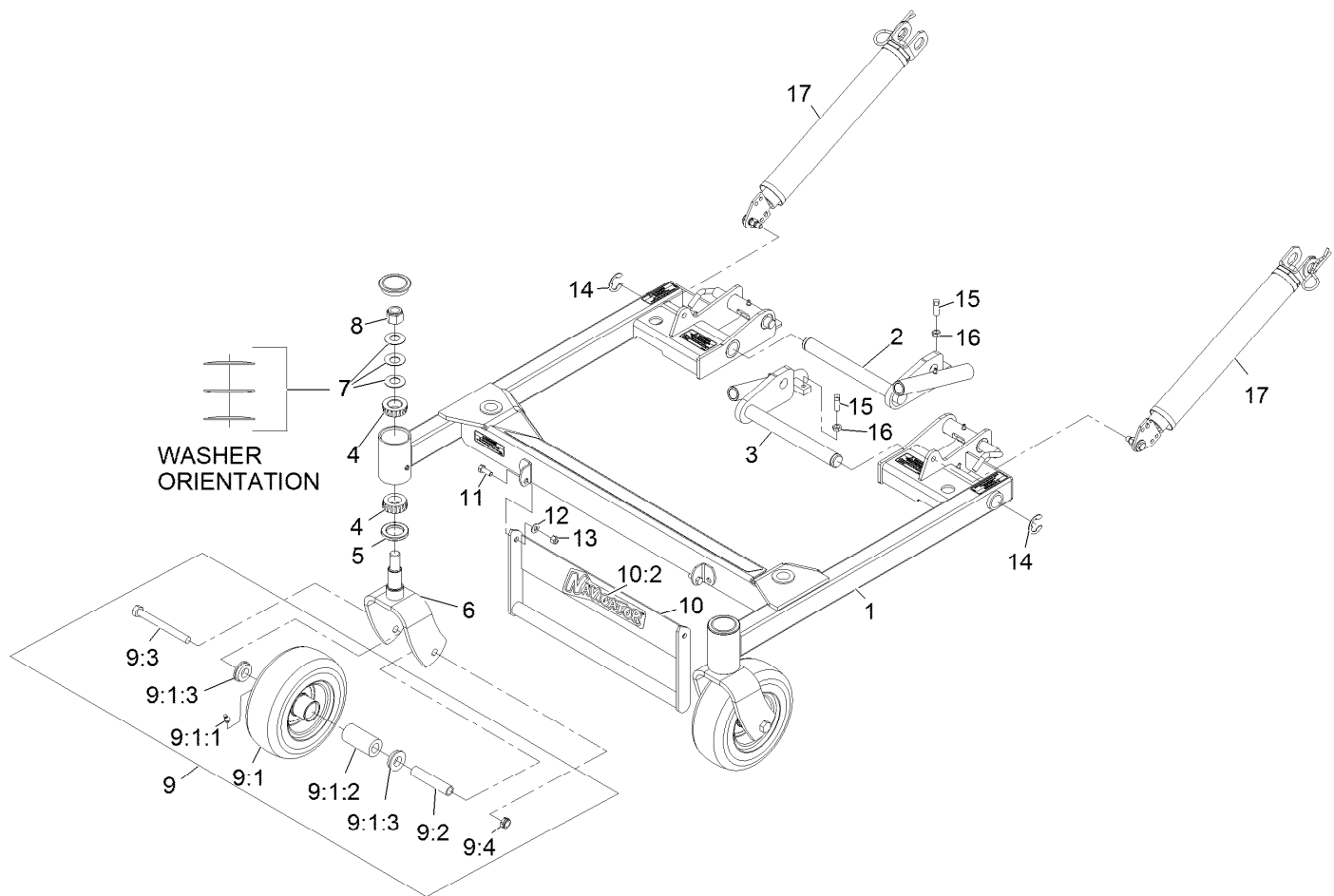
Ref.	Part Number	Qty.	Description
1	109-0189	1	Pinion-Input
2	109-0190	1	Housing-Center
3	109-0191	1	Housing-End
4	109-0193	1	Output Shaft And Gear-LH
5	109-0195	1	Output Shaft And Gear-RH
6	109-0196	1	Cap-Output
7	109-0198	1	Tube-Connector, Shor
8	109-0201	1	Output Seal Kit
9	109-0203	1	Seal-O-Ring
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

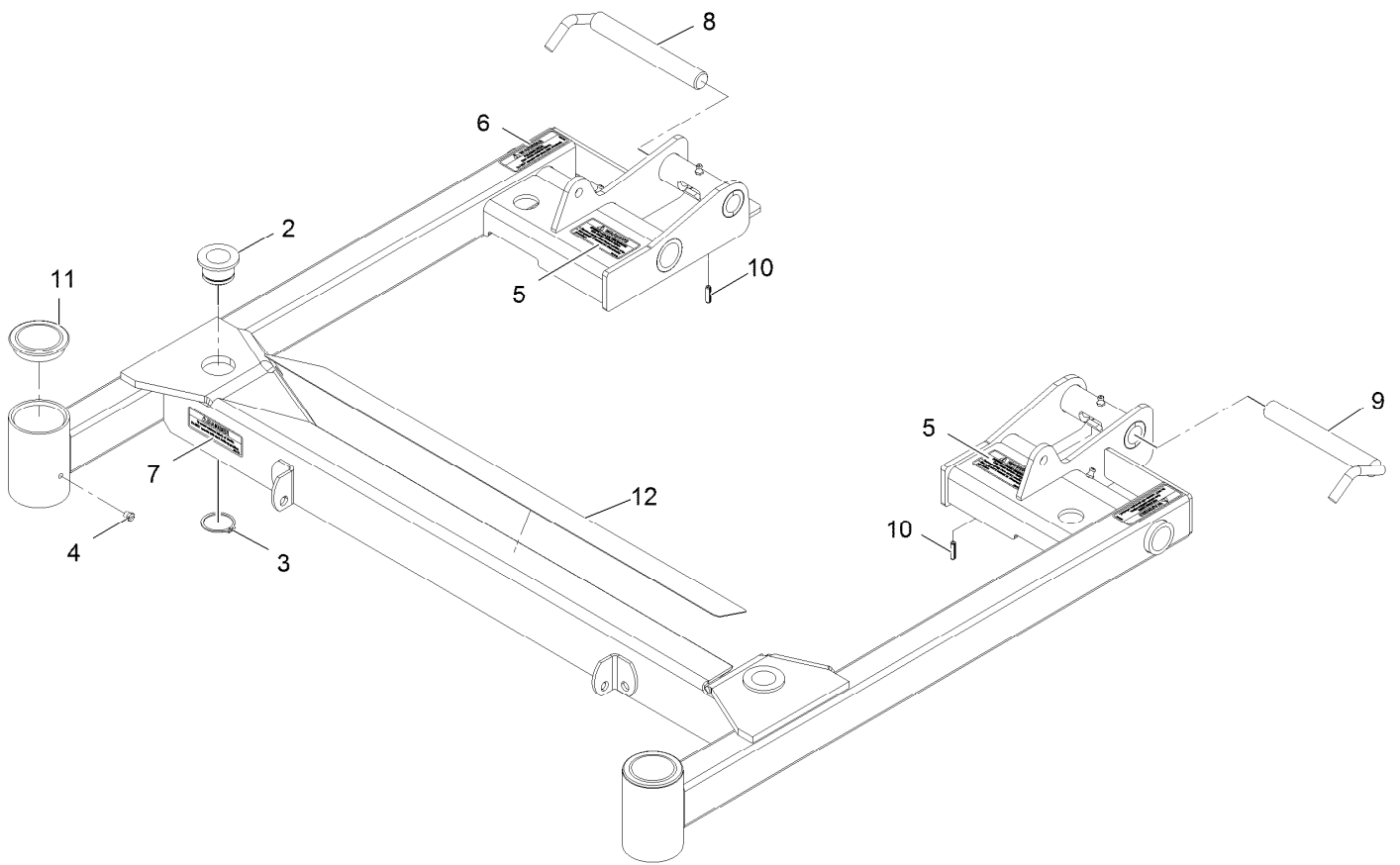
Ref.	Part Number	Qty.	Description
2	1-413425	1	Spacer-Deck Support
3	103-7353	1	Pin-Cut Height
4	3290-357	1	Nut-Whizlock 3/8-16
5	106-5597	1	Spacer-Idler
6	323-8	1	Screw-HH 3/8-16 X 1 1/2
7	1-613204	1	Balljoint
8	3220-3	1	Nut-Jam 3/8-24



Deck Support Frame Assembly

Ref.	Part Number	Qty.	Description
1	103-9480	1	Deck Support ASM
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	103-9495	2	Asm, Caster Wheel W/Axle
9:1	103-4324	1	Asm, Wheel And Tire 8X3.00-4 Sp
9:1:1	302-61	1	Zerk-45° 1/4-28
9:1:2	103-4588	1	Bearing-Roller, Straight

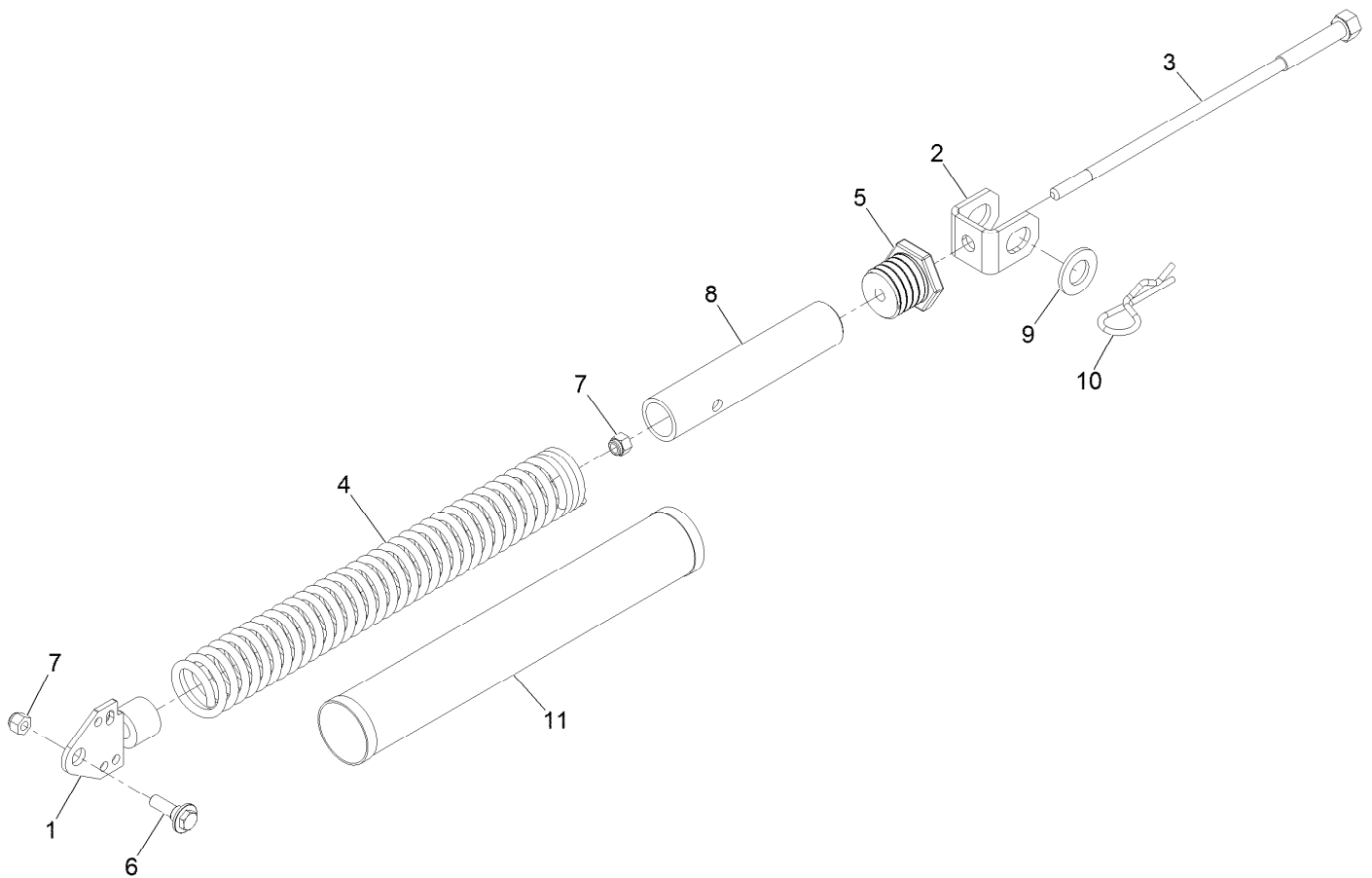
Ref.	Part Number	Qty.	Description
9:1:3	1-513810	2	Bushing-Flanged
9:2	109-2094	1	Spacer-Caster, Front
9:3	325-19	1	Screw-HH 1/2-13 X 5
9:4	3296-45	1	Nut-Nyloc 1/2-13 Thin
10	103-9482	1	Asm, Deck Lift Handle W/Decal
10:2	103-8504	1	Decal, Navigator Model
11	322-4	2	Screw-HH 5/16-18 X 7/8
12	1-303334	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



Deck Support W/Decals Assembly No. 103-9480

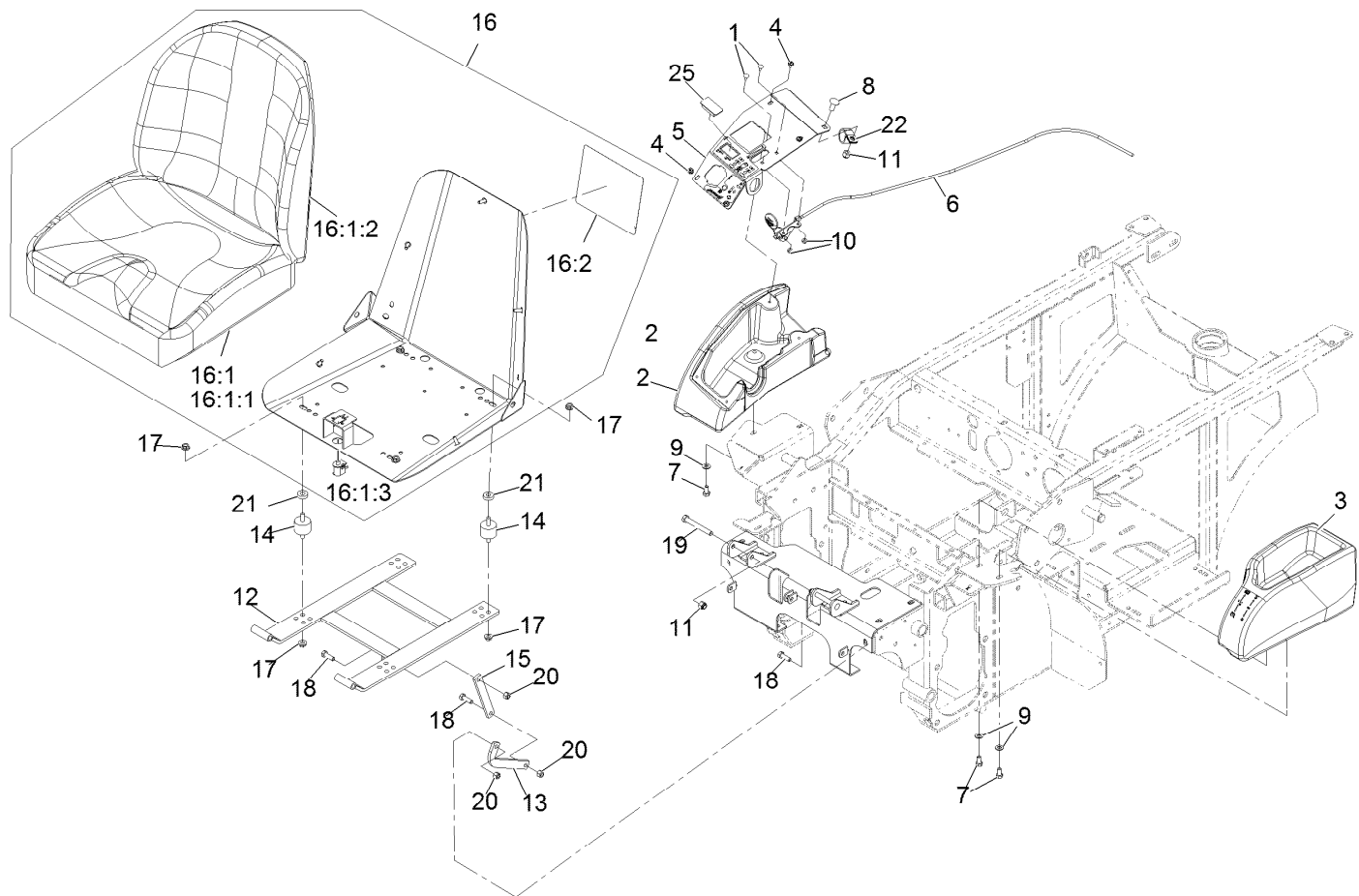
Ref.	Part Number	Qty.	Description
2	103-7436	2	Bushing-Support, Deck
3	32120-33	2	Ring-Retaining
4	1-811010	2	Plug
5	103-8799	2	Decal-Spring
6	103-8797	2	Decal-Folding Deck
7	103-8798	1	Decal-Danger
8	103-4119	1	Lock-Deck, RH
9	103-4118	1	Lock-Deck, LH
10	32121-3	2	Rollpin 3/16 X 3/4
11	103-4882	2	Cap-Grease
12	103-8630	1	Pad-Anti Skid

Spring Lift Assist Assembly No. 116-7851



Spring Lift Assist Assembly No. 116-7851 (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	3296-39	2	Nut-Nyloc 3/8-16
2	103-4285	1	Mount-Lift Assist, Deck	8	103-7865	1	Spring-Tube
3	103-3773	1	Shaft-Adjustment, Spring	9	3256-28	1	Washer-3/4 SAE
4	103-4281	1	Spring-Extension	10	103-7353	1	Pin-Cut Height
5	103-3772	1	Plug-Adjuster, Spring	11	103-7971	1	Cover-Spring, Deck
6	614672	1	Screw-Shoulder 3/8-16 X 1.295				

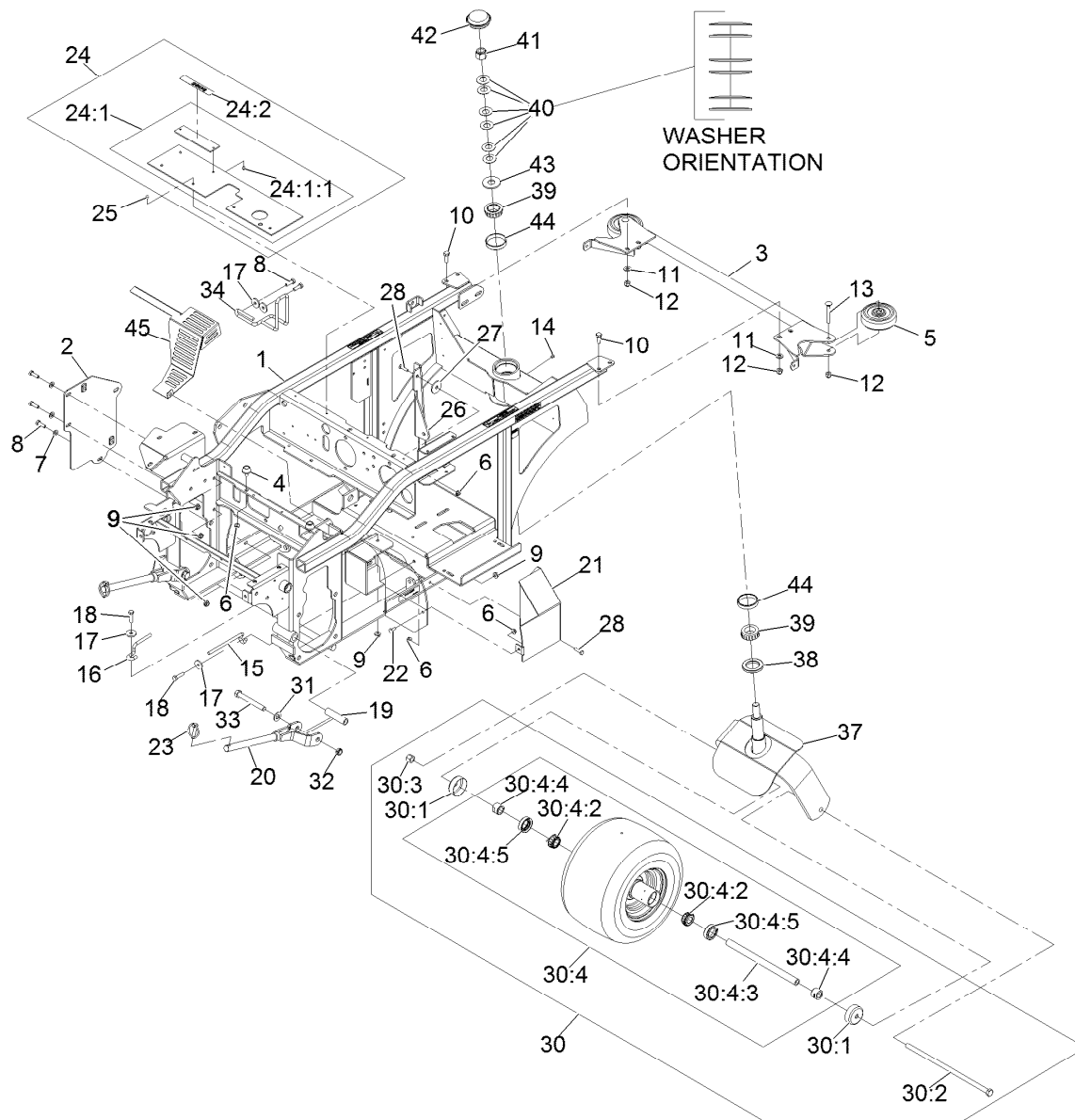


Seat and Consoles Assembly

Ref.	Part Number	Qty.	Description
1	1-807513	2	Bolt-Carriage #10-24 X 1/2
2	116-9430	1	Console-RH
3	103-8146	1	Console, LH
4	109-2661	4	Screw-PPH #10-24 X 1/2
5	116-9373	1	Control Panel ASM
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

Ref.	Part Number	Qty.	Description
15	103-8563	1	Link-Seat
16	116-4849	1	Seat ASM
16:1		1	ASM-Seat ●
16:1:1	116-4848	1	ASM-Seat Bottom Cushion
16:1:2	116-3738	1	Cushion, Seat Back
16:1:3	82-2190	1	Switch
16:2	116-1175	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
25	99-7420	1	Plug-Hole

● Not serviced separately



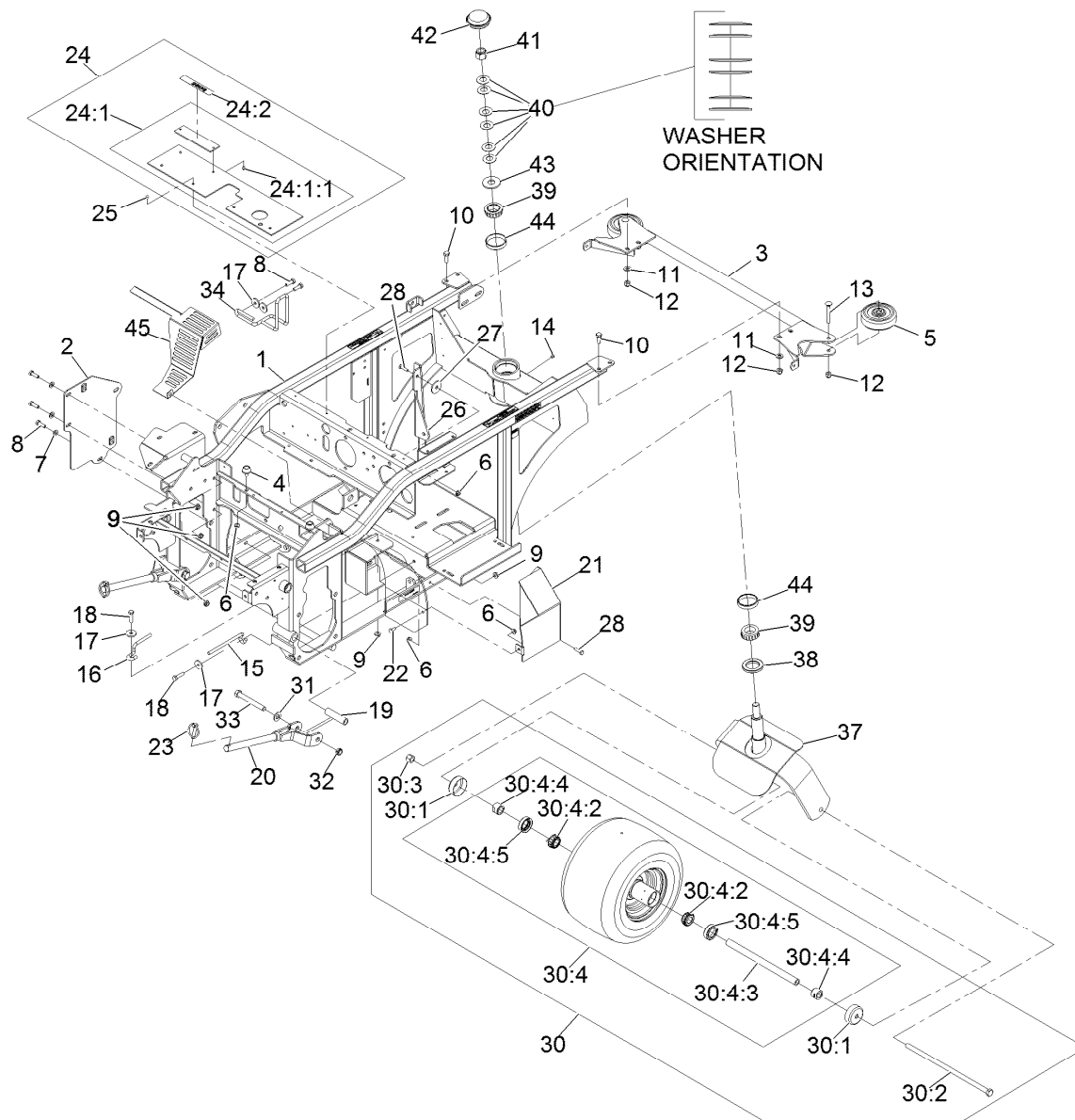
Main Frame Assembly

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

Ref.	Part Number	Qty.	Description
20	103-6596-03	2	Rod-Push
21	103-9475	1	Asm Drive, Shield
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	ASM,Shield Lift ●
24:1:1	1-803035	2	Rivet 3/16 X 1/4
24:2	98-4361	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	2	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

● Not serviced separately

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



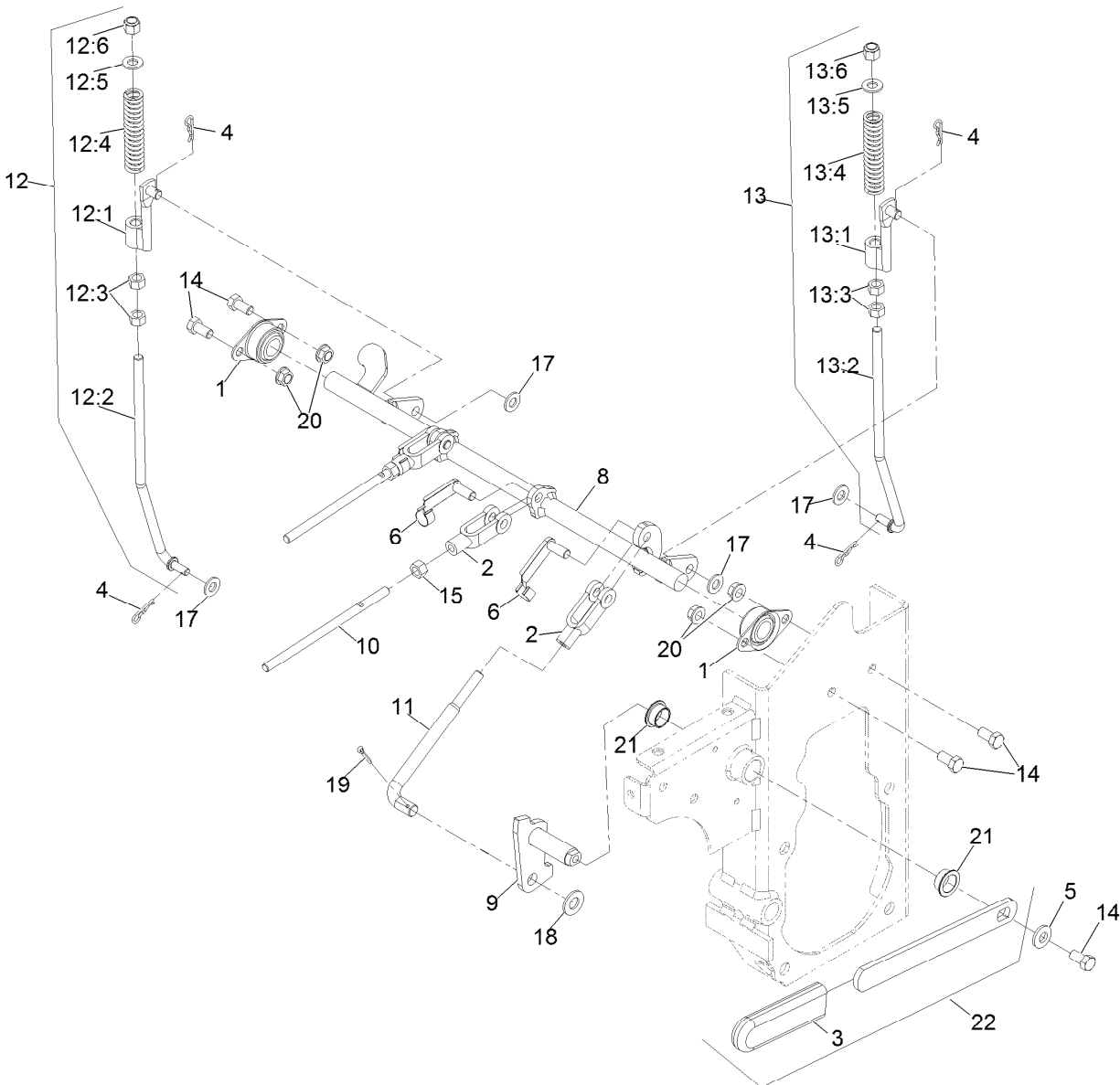
Main Frame Assembly (continued)

Ref.	Part Number	Qty.	Description
30:4:2	1-633585	2	Bearing-Cone Tapered Roller
30:4:3	103-5302	1	Axle-Caster
30:4:4	103-3051	2	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	116-8323	1	Guide-Belt

Ref.	Part Number	Qty.	Description
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	103-9057	1	Cap-Grease
43	3256-8	1	Washer
44	103-9029	2	Cup-Bearing Tapered Roller
45	116-7272-03	1	Shield-Heat

● Not serviced separately

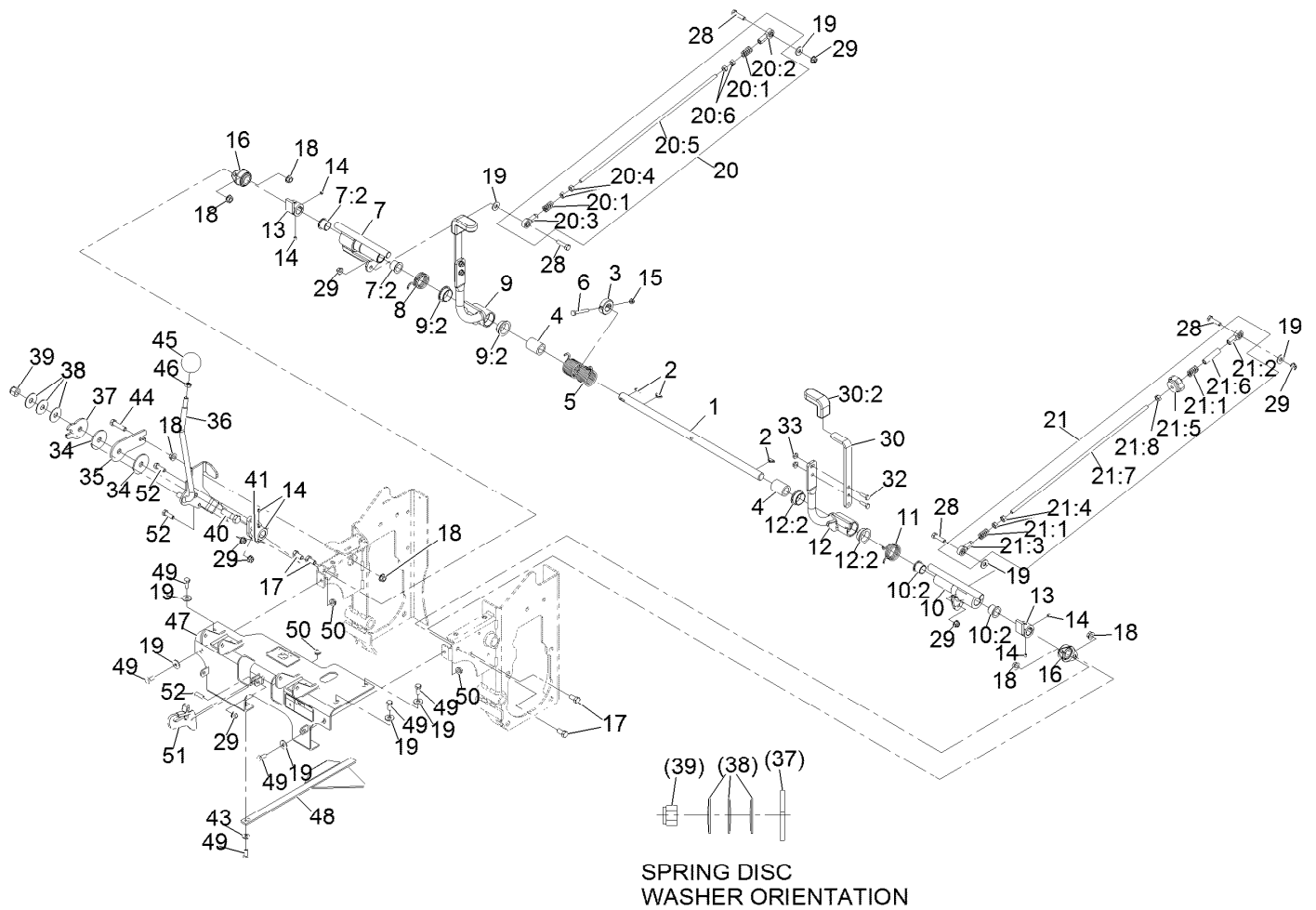
■ Use Pro-Lock, Nut Type (P/N 1-840022, .5ml tube) on threads.



Park Brake Assembly

Ref.	Part Number	Qty.	Description
1	1-633102	2	Bearing-Flanged
2	1-633131	3	Yoke-Linkage, Brake
3	1-633268	1	Grip-Lever
4	1-806003	4	Hairpin-Cotter
5	98-5975	1	Washer-Spring Disc 3/8
6	103-2399	3	Pin-Clevis Spring 3/8
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 3/8-24
12:4	116-8470	1	Spring-Compression
12:5	3256-24	1	Washer-3/8 SAE

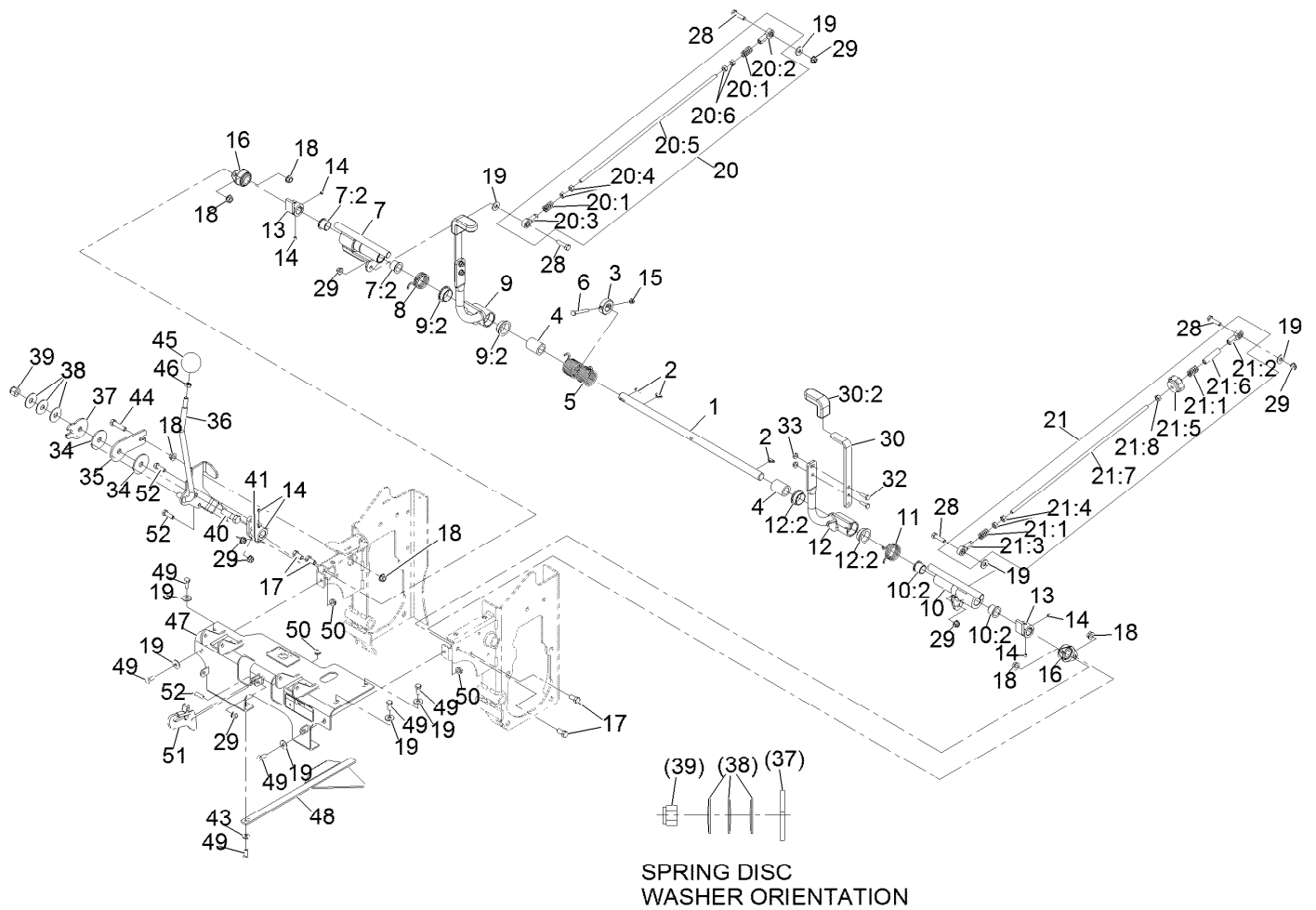
Ref.	Part Number	Qty.	Description
12:6	3296-6	1	Nut-Nyloc 3/8-24
13	116-9749	1	LH Brake Linkage ASM
13:1	116-8467	1	Brake Linkage ASM
13:2	116-8464	1	Link-Brake, LH
13:3	3219-3	2	Nut-Hex 3/8-24
13:4	116-8470	1	Spring-Compression
13:5	3256-24	1	Washer-3/8 SAE
13:6	3296-6	1	Nut-Nyloc 3/8-24
14	323-4	5	Screw-HH 3/8-16 X 3/4
15	3219-3	2	Nut-Hex 3/8-24
17	3256-24	4	Washer-3/8 SAE
18	3256-26	1	Washer-1/2 SAE
19	3272-10	1	Pin-Cotter 1/8 X 3/4
20	3290-357	4	Nut-Whizlock 3/8-16
21	108519	2	Bushing-Bronze
22	103-9469	1	Park Brake Handle ASM



Speed Control Assembly

Ref.	Part Number	Qty.	Description
1	116-7856	1	Shaft-Control, Speed
2	3257-5	3	Key-Woodruff #9 3/4 X 3/16
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 1/4-20 X 2
7	116-8444	1	RH Control Hub ASM
7:2	103-4398	2	Bearing-Flange, Iglide
8	116-7380	1	Spring-Torsion, RH
9	116-7408	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	116-7421	1	LH Steering Handle ASM
12:2	116-7422	2	Bearing-Flange, Iglide
13	103-4342	2	Hub-Speed Control
14	108-0989	6	Setscrew-1/4-20 X 1/4
15	3296-56	1	Nut-Nyloc 1/4-20 Thin
16	1-633102	2	Bearing-Flanged
17	323-4	4	Screw-HH 3/8-16 X 3/4

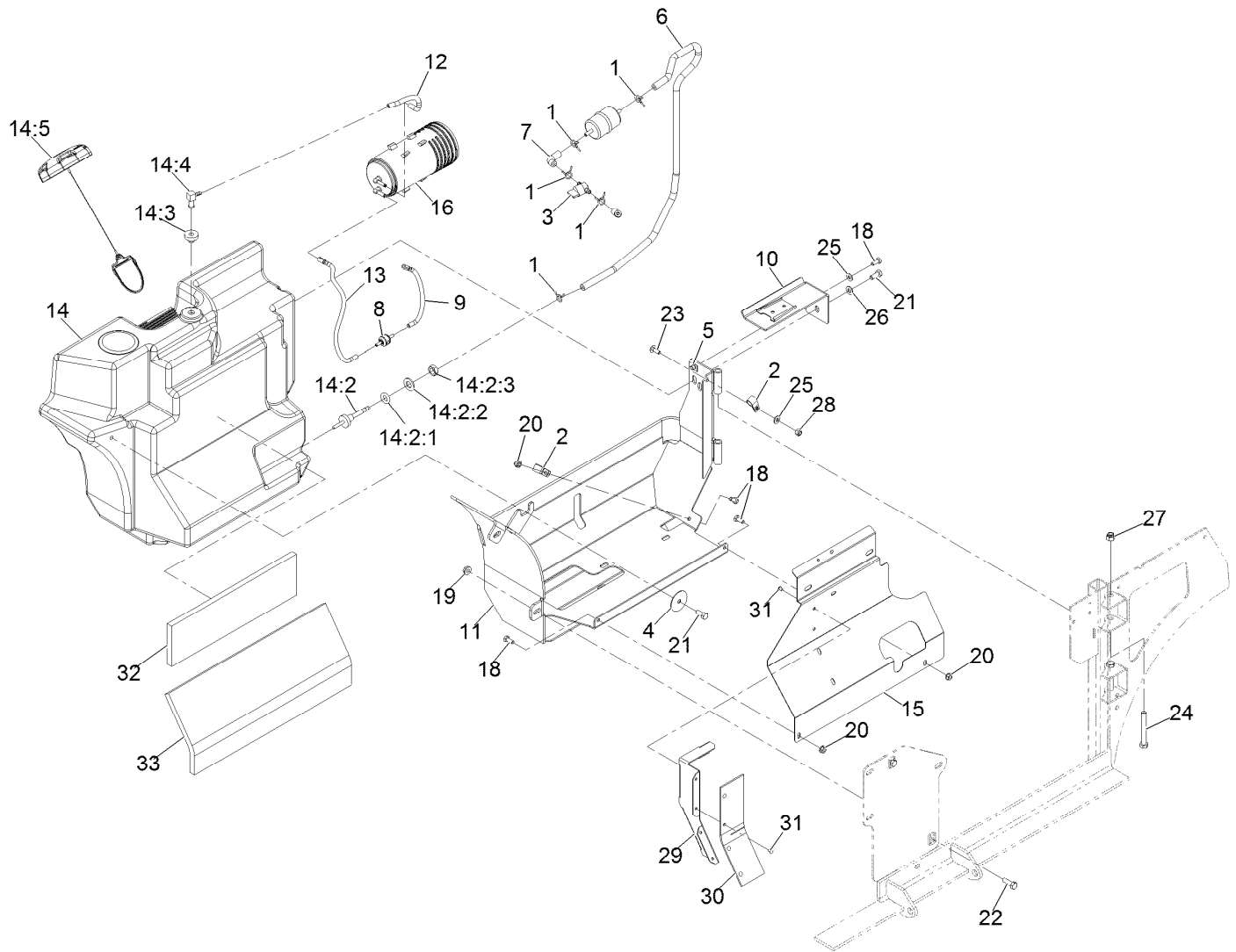
Ref.	Part Number	Qty.	Description
18	3290-357	6	Nut-Whizlock 3/8-16
19	3256-3	9	Washer-5/16 Std
20	116-9667	1	RH Pump Linkage ASM
20:1	1-323245	2	Spring-Compression
20:2	1-543017	1	Balljoint-RH
20:3	1-633152	1	Balljoint-LH
20:4	1-804524	2	Nut
20:5	116-7492	1	Rod-Linkage, Steering
20:6	3219-2	2	Nut-Hex
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 5/16-18 X 1 1/4
29	104-8300	7	Nut-Nyloc 5/16-18 Flg
30	116-9246	2	Handle ASM



Speed Control Assembly (continued)

Ref.	Part Number	Qty.	Description
30:2	103-5994	1	Grip-Handle, Steering
32	321-5	4	Screw-HH 1/4-20 X 7/8
33	32128-33	4	Nut-Whizlock 1/4-20
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-Spring Disc
39	3296-19	1	Nut-Nyloc 1/2-20
40	116-7848	1	Screw-HH

Ref.	Part Number	Qty.	Description
41	116-7859	1	Hub-Control, Speed
43	3256-23	1	Washer-5/16 SAE
44	323-8	1	Screw-HH 3/8-16 X 1 1/2
45	103-4397	1	Knob-Ball, Speed Control
46	3218-3	1	Nut-Jam 3/8-16
47	116-7384	1	Console ASM
48	103-5993-03	1	Guide-Plenum
49	322-3	6	Screw-HH 5/16-18 X 3/4
50	32128-20	3	Nut-Whizlock 5/16-18
51	103-8494	1	Hook
52	322-5	3	Screw-HH 5/16-18 X 1



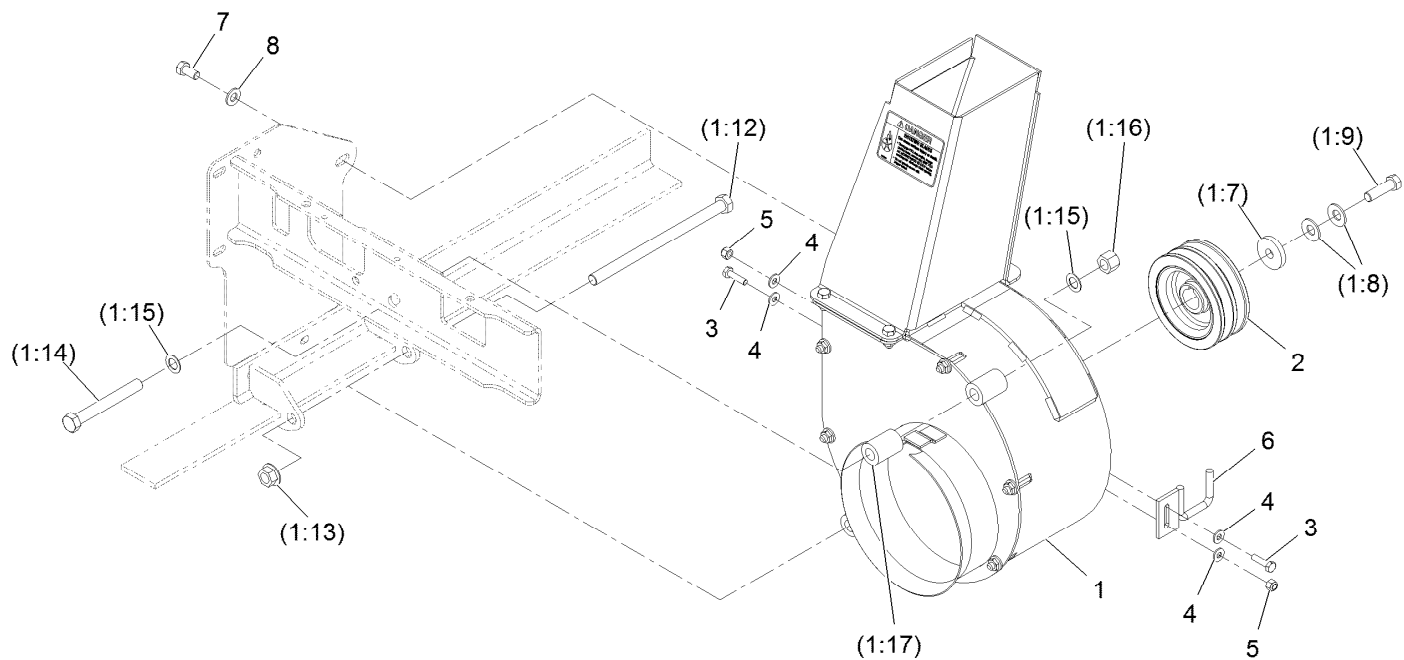
Fuel Assembly

Ref.	Part Number	Qty.	Description
1	1-303077	5	Clamp-Fuel Line
2	1-513762	2	Clip-Loom 1/2
3	1-603770	1	Valve-Fuel
4	1-653036	1	Washer
5	107069	1	Nut-Retainer-Panel 1/4-20
6	116-5366	1	Fuel Line ASM
7	109-0304	1	Hose-Fuel Line 2 1/2"
8	115-7868	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 ●
14:2:1	103-2784	1	O-Ring
14:2:2	3256-26	1	Washer-Flat
14:2:3	3220-5	1	Nut-Jam
14:3	46-6560	1	Bushing
14:4	100-1596	1	Fitting-90 DEG

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

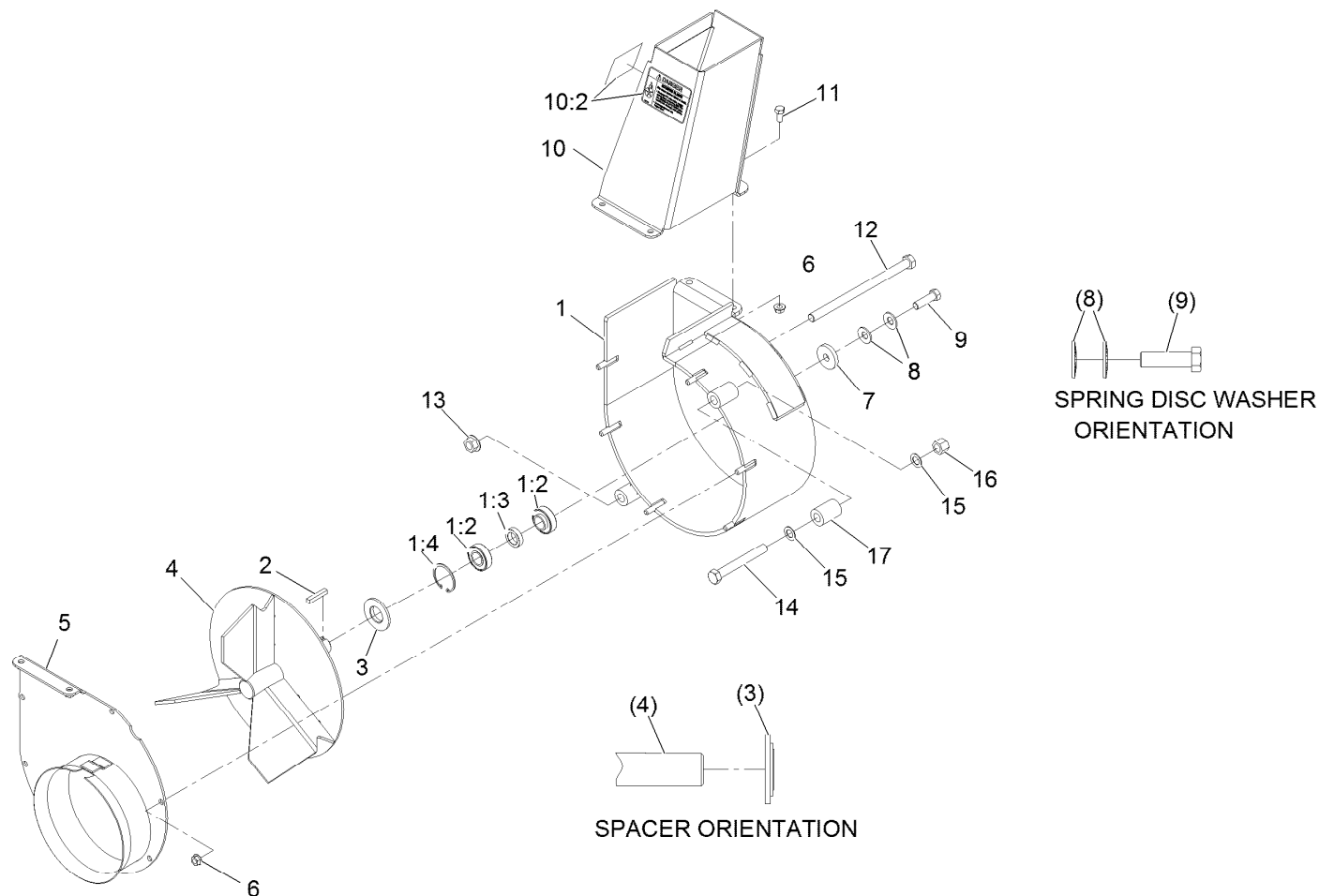
■ Use Pro-Lock retaining type, Part no. 1-840023 (.5cc tube) on threads.

Ref.	Part Number	Qty.	Description
14:5	120-5461	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	32128-33	3	Nut-Whizlock 1/4-20
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	2	Washer-1/4 SAE
26	3256-23	1	Washer-5/16 SAE
27	3296-39	2	Nut-Nyloc 3/8-16
28	3296-42	1	Nut-Nyloc 1/4-20
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



Blower Assembly

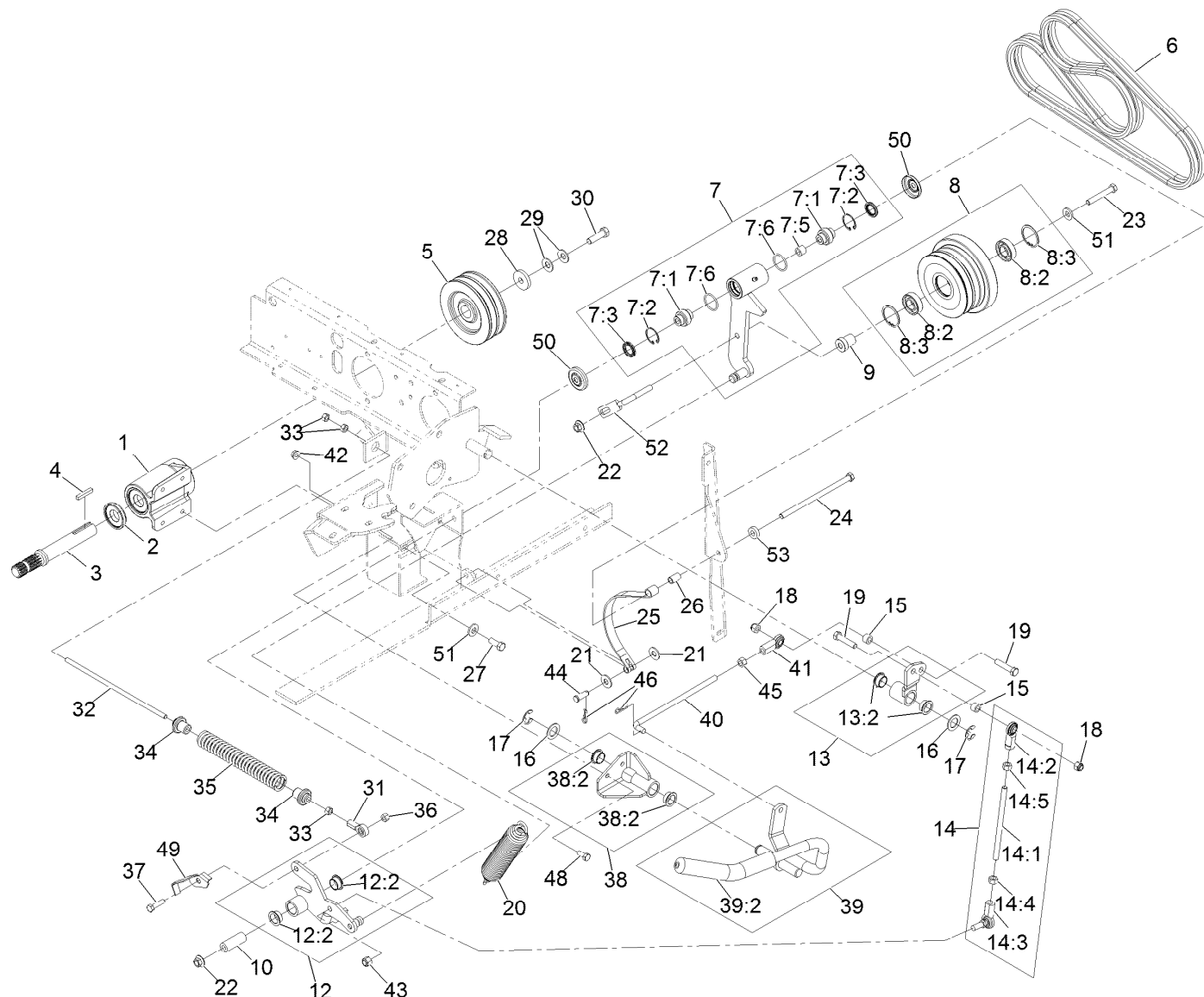
Ref.	Part Number	Qty.	Description
1	116-9649	1	Blower ASM
2	103-6733	1	Sheave-Blower
3	321-6	2	Screw-HH 1/4-20 X 1
4	3256-22	4	Washer-1/4 SAE
5	3296-42	2	Nut-Nyloc 1/4-20
6	103-9167-03	1	Guide
7	323-4	1	Screw-HH 3/8-16 X 3/4
8	3256-24	1	Washer-3/8 SAE



Complete Blower Assembly No. 116-9649

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-Machine 1/4 X 1/4 X 1 1/2
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-Whizlock 5/16-18
7	1-543610	1	Washer

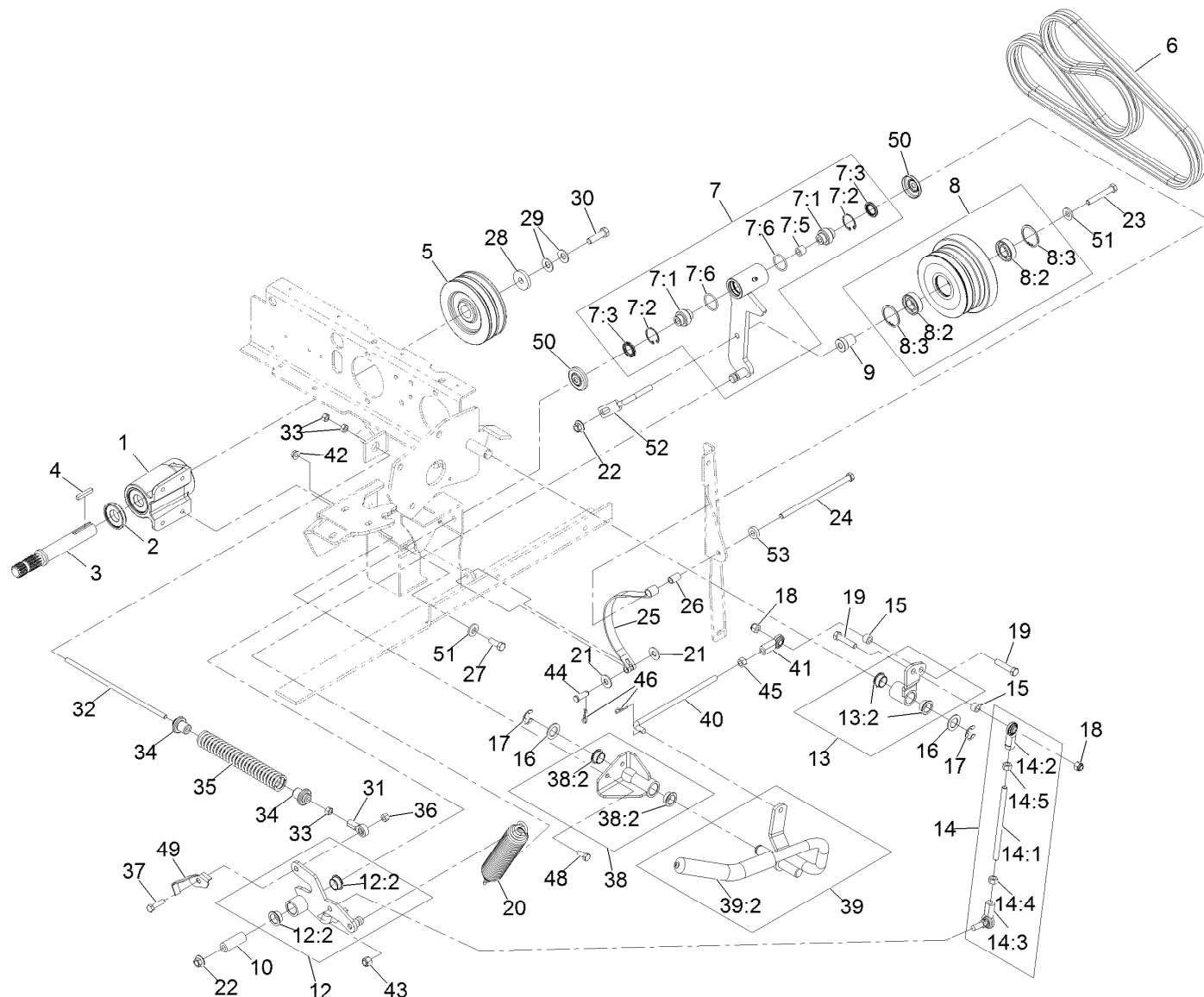
Ref.	Part Number	Qty.	Description
8	1-603610	2	Washer-Spring Disc 7/16
9	3212-6	1	Screw-HH 7/16-20 X 1 1/2
10	103-9474	1	Discharge Chute ASM
10:2	109-7318	2	Decal-Danger Impeller
11	322-3	4	Screw-HH 5/16-18 X 3/4
12	325-42	1	Screw-HH 1/2-13 X 8
13	32128-23	1	Nut-Hex 1/2-13 Side Lock
14	325-17	1	Screw-HH 1/2-13 X 4
15	18-9810	2	Washer-Thrust
16	3296-23	1	Nut-Nyloc 1/2-13
17	103-6999	1	Spacer-Mount



Jackshaft Assembly

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-Machine 1/4 X 1/4 X 1 1/2
5	103-6732	1	Sheave
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
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
12	103-9296	1	Arm ASM
12:2	108519	2	Bushing-Bronze
13	103-9297	1	Arm ASM

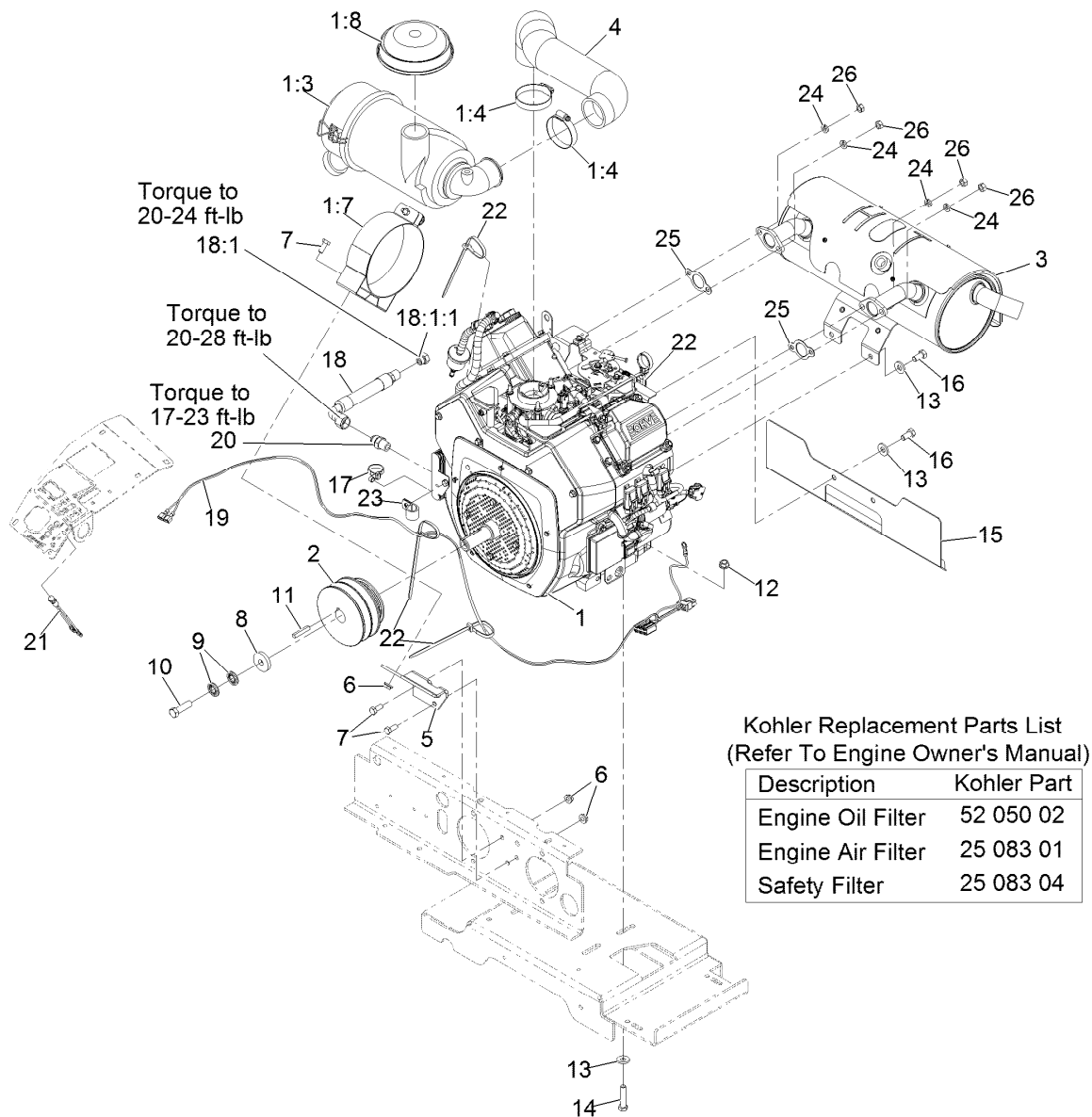
Ref.	Part Number	Qty.	Description
13:2	108519	2	Bushing-Bronze
14	103-7392	1	Clutch Link ASM
14:1	103-7393	1	Rod-Linkage
14:2	103-1167	1	Joint-Ball End, LH
14:3	103-7994	1	Balljoint-RH
14:4	3219-3	1	Nut-Hex 3/8-24
14:5	3219-20	1	Nut-Hex, LH
15	92-9025	2	Spacer
16	1-303007	2	Washer
17	32151-48	2	E-Ring
18	3296-39	2	Nut-Nyloc 3/8-16
19	323-9	2	Screw-HH 3/8-16 X 1 3/4
20	109-0148	1	Spring-Extension
21	3256-4	2	Washer-3/8 Std
22	32128-19	2	Nut-Hex 3/8-16 Side Lock
23	323-12	1	Screw-HH 3/8-16 X 2 1/2
24	323-36	1	Screw-HH 3/8-16 X 7
25	103-7697	1	Band-Brake
26	103-9816	1	Spacer
27	323-6	4	Screw-HH 3/8-16 X 1
28	1-543610	1	Washer



Jackshaft Assembly (continued)

Ref.	Part Number	Qty.	Description
29	1-603610	2	Washer-Spring Disc 7/16
30	3212-6	1	Screw-HH 7/16-20 X 1 1/2
31	1-543017	1	Balljoint
32	103-7996	1	Linkage-Rod, PTO Brake
33	3219-2	3	Nut-Hex 5/16-24
34	103-8254	2	Bushing-Spring
35	103-7997	1	Spring-Brake
36	3296-29	1	Nut-Nyloc 5/16-18
37	322-6	1	Screw-HH 5/16-18 X 1 1/4
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

Ref.	Part Number	Qty.	Description
40	103-8277	1	Link-Handle
41	103-0608	1	Balljoint
42	32128-20	2	Nut-Whizlock 5/16-18
43	3296-6	1	Nut-Nyloc 3/8-24
44	283-2	1	Pin-Clevis 3/8 X 1 1/6
45	3219-3	1	Nut-Hex 3/8-24
46	1-806003	2	Hairpin-Cotter
48	322-3	2	Screw-HH 5/16-18 X 3/4
49	103-8716-03	1	Switch-Flag
50	103-2916	2	Guard-Top
51	98-5975	5	Washer-Spring Disc 3/8
52	109-5491	1	Guide-Belt
53	5-0652	1	Spacer



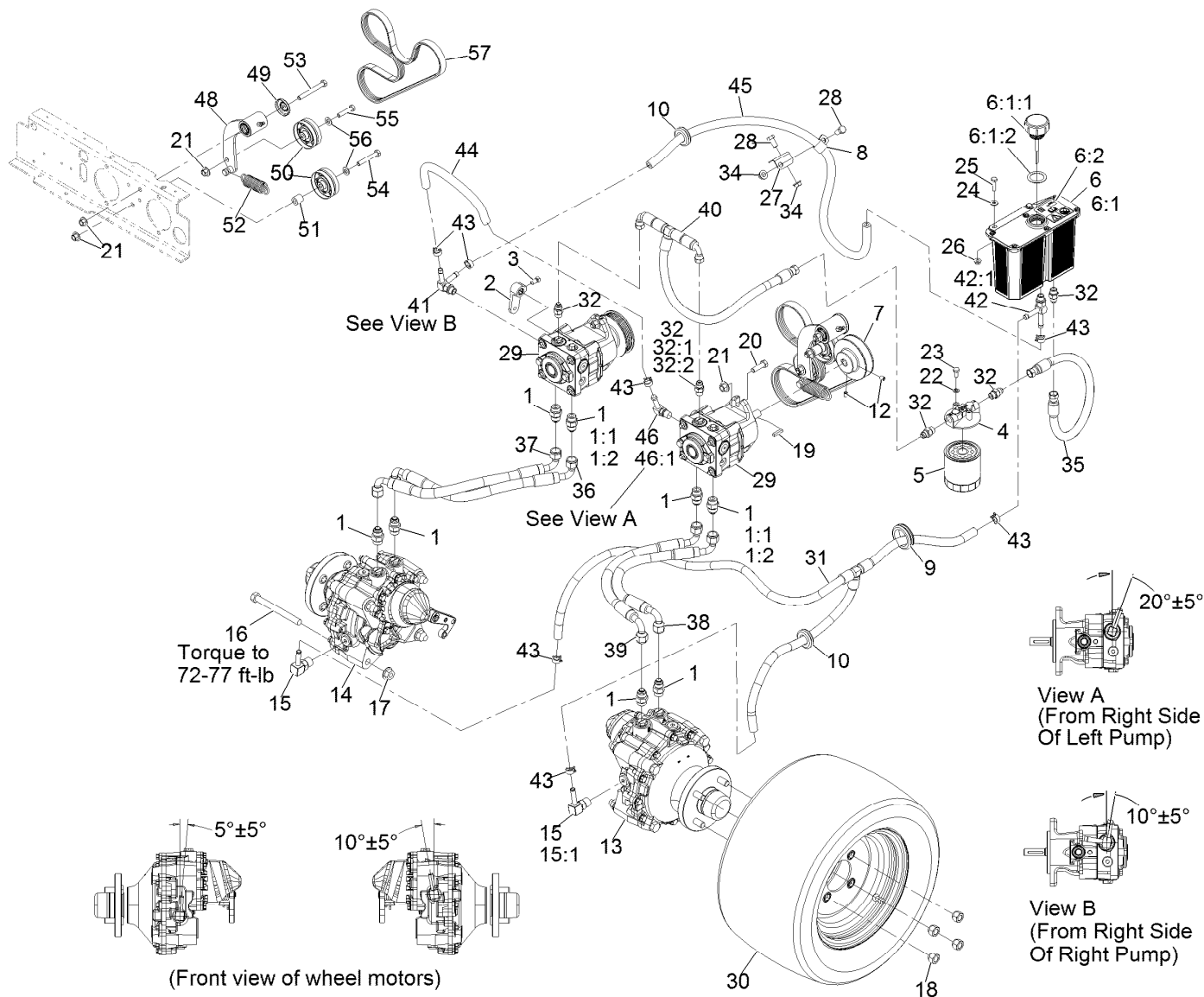
Engine Assembly

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1		1	ASM-Engine 730Kc EFI ●	13	98-5975	8	Washer-Spring Disc 3/8
1:3	103-8569	1	Air Cleaner Canister ASM	14	323-9	4	Screw-HH 3/8-16 X 1 3/4
1:4	2412-42	2	Clamp-Hose	15	109-0181-03	1	Shield-Exhaust
1:7	103-1058	1	Bracket-Filter, Air	16	323-4	4	Screw-HH 3/8-16 X 3/4
1:8	100-2436	1	Hood-Cleaner, 2" Air Intake	17	109-7896	1	Tie-Cable
2	103-6731	1	Sheave-Engine	18	116-5338	1	Oil Drain Hose ASM
3	116-3961	1	Muffler	18:1	353-508	1	Plug-W/O-Ring
4	116-4016	1	Hose-Air Intake	18:1:1	237-42	1	O-Ring
5	103-3695-03	1	Bracket-Filter, Air	19	116-4543	1	Harness-Light Indicator (EFI)
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	21	1-643267	1	Indicator-Red LED
8	1-543610	1	Washer	22	1-303335	4	Tie-Cable 7 15/16 (Large)
9	1-603610	2	Washer-Spring Disc 7/16	23	1-633396	1	Clip-Loom 5/8
10	3212-6	1	Screw-HH 7/16-20 X 1 1/2 ▲	24	1-805005	4	Washer-Lock
11	67-7490	1	Key-Machine 1/4 X 1/4 X 1 1/2	25	1-653291	2	Gasket-Exhaust
12	3290-357	4	Nut-Whizlock 3/8-16	26	33014-00	4	Nut-Hex

● 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.

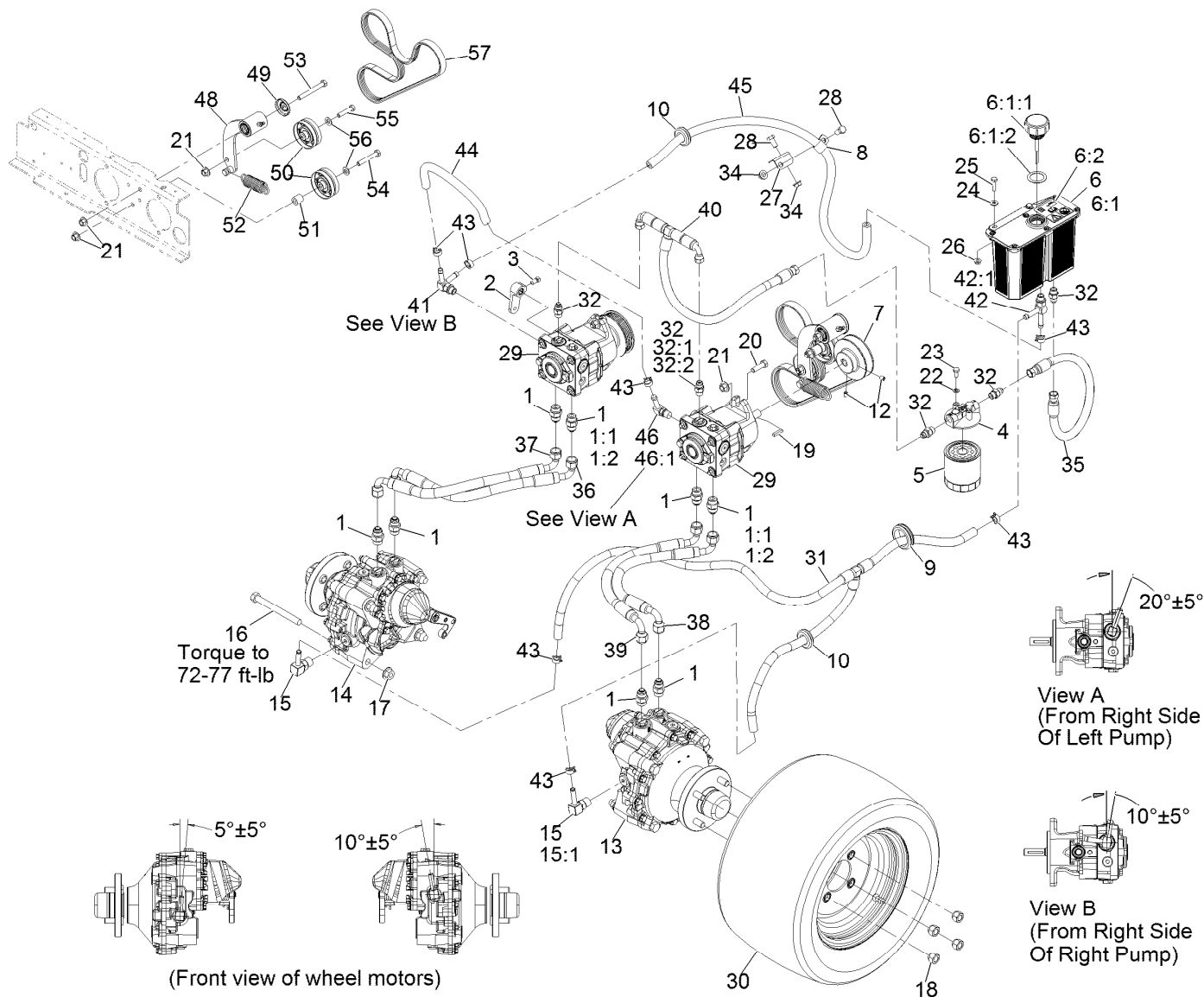


Hydraulic Assembly

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
6:1:2	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

Ref.	Part Number	Qty.	Description
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

● Not serviced separately



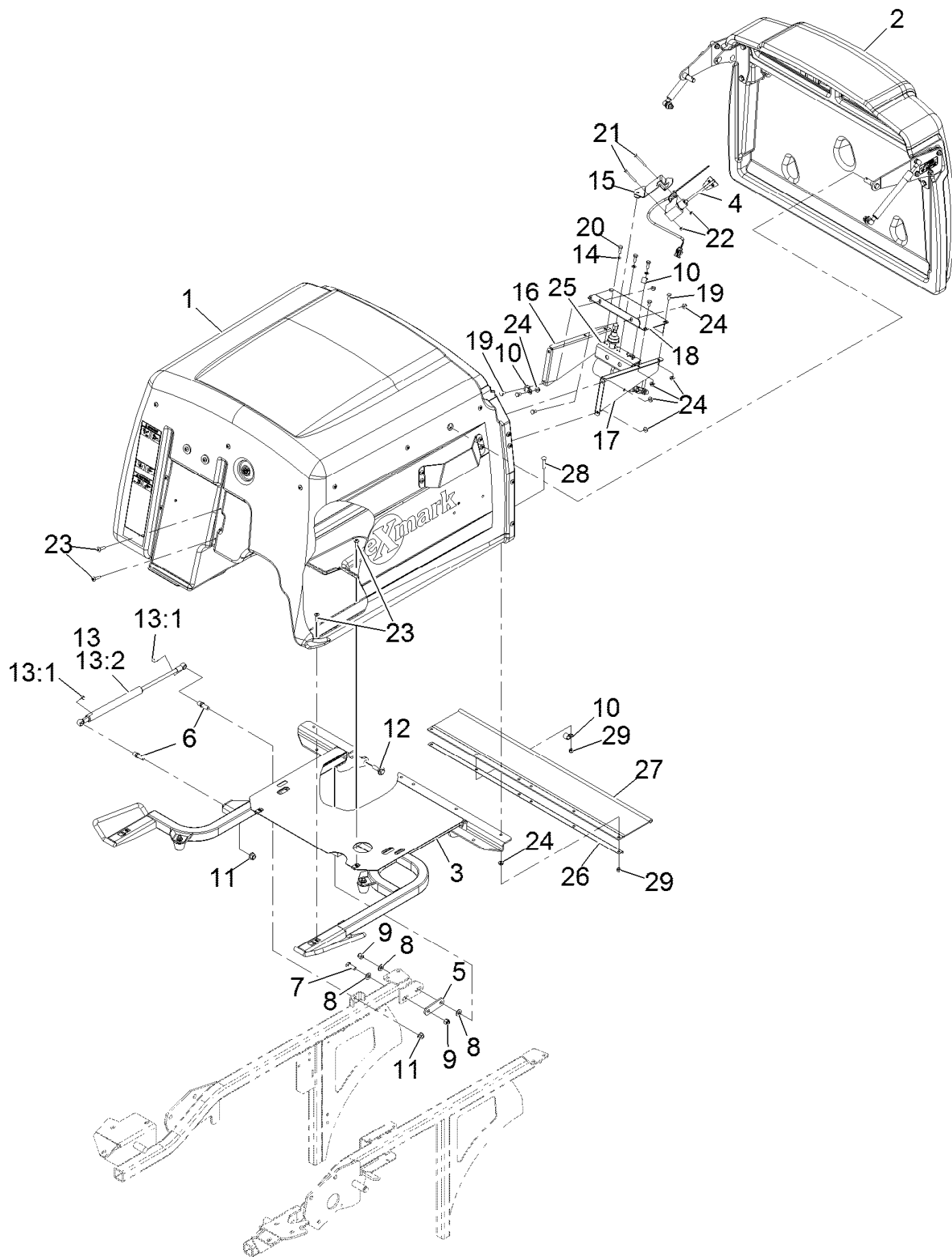
Hydraulic Assembly (continued)

Ref.	Part Number	Qty.	Description
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	109-1258	1	Hose-HYD
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
42	103-1828	1	Adapter-Running Tee
42:1	237-42	1	O-Ring
43	103-1988	7	Clamp-Hose 11/16

Ref.	Part Number	Qty.	Description
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
57	103-4244	1	Belt

● Not serviced separately

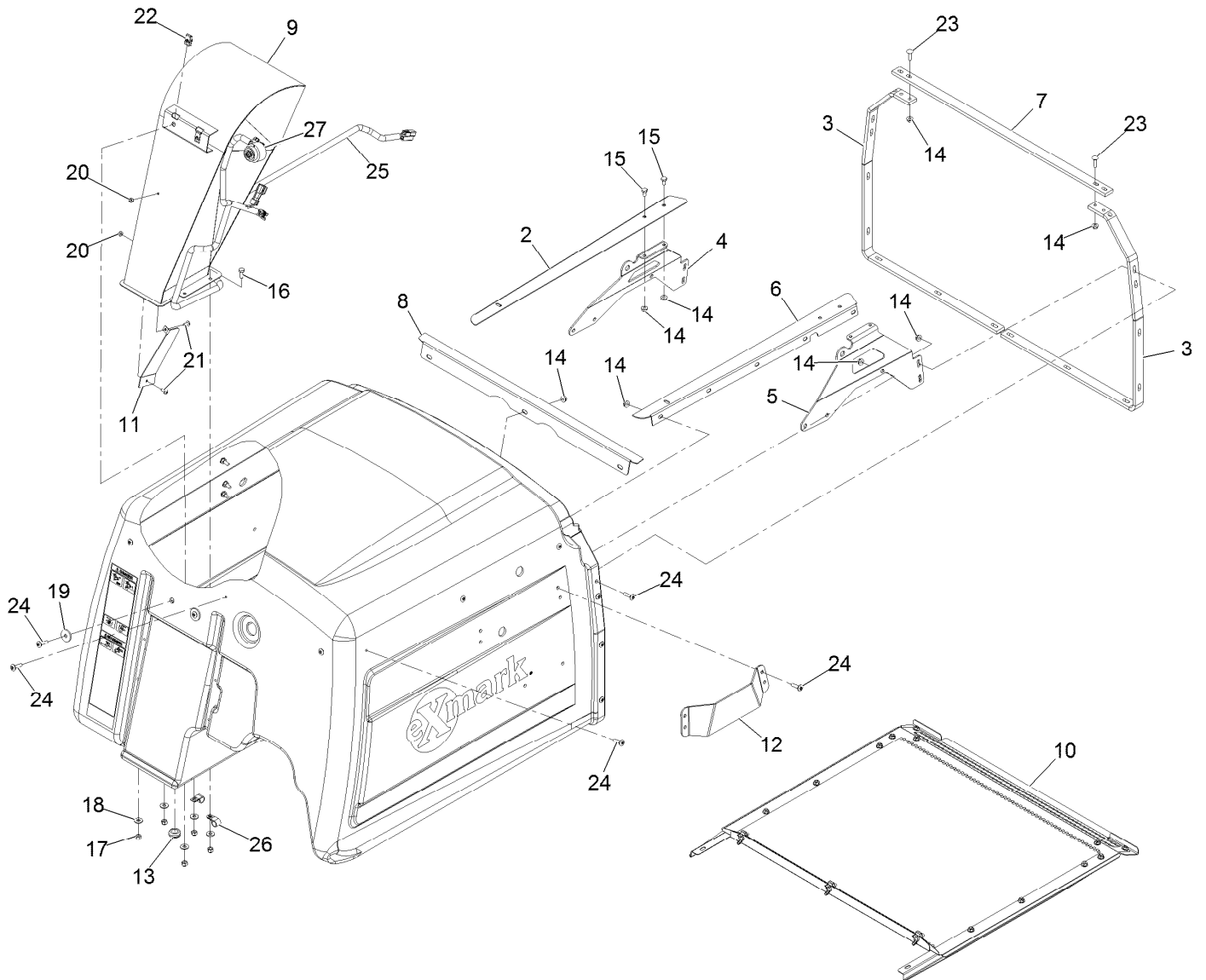
Hopper Assembly



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	Screw-Shoulder, HWH	26	103-6022-03	1	Channel-Frame, Hopper
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-Compression, Gas	29	3296-42	6	Nut-Lock, NI
14	1-303435	3	Washer-Spring				

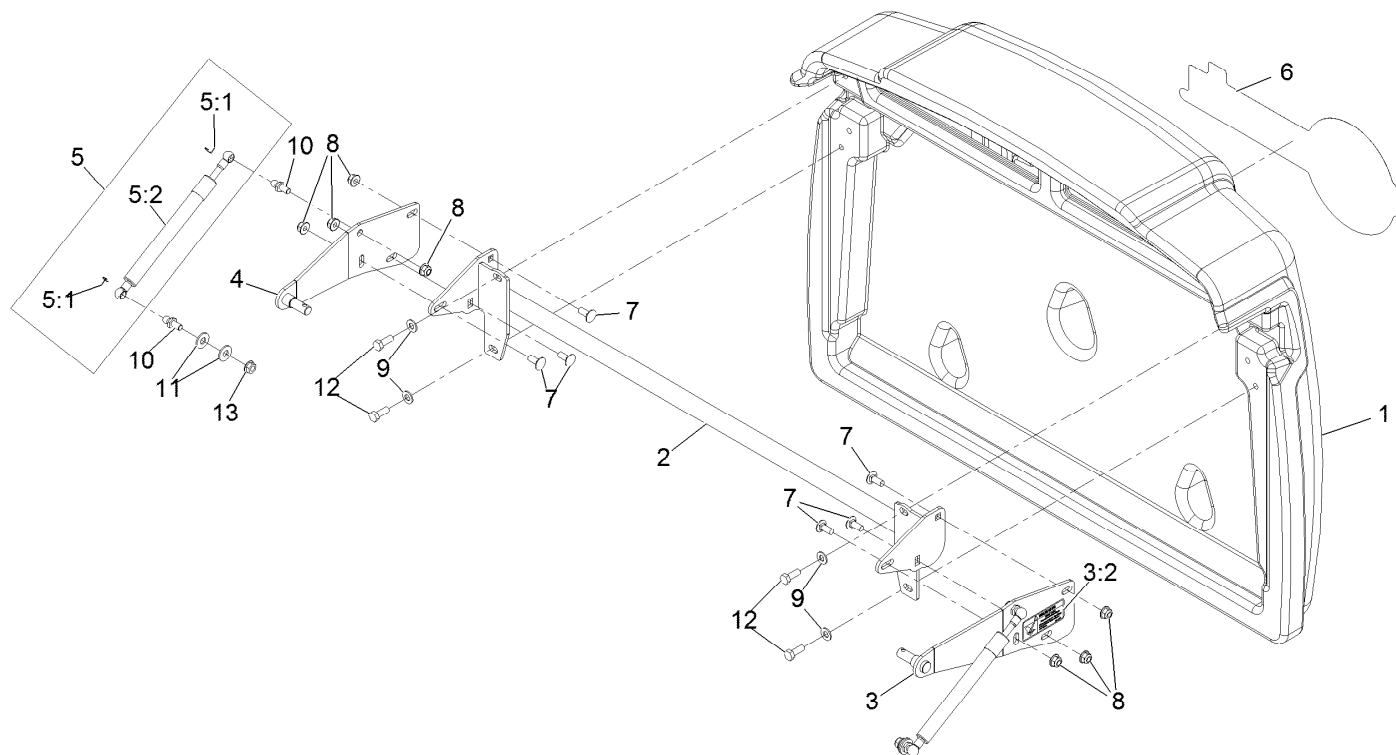
Hopper Assembly No. 103-9457



Hopper Assembly No. 103-9457 (continued)

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

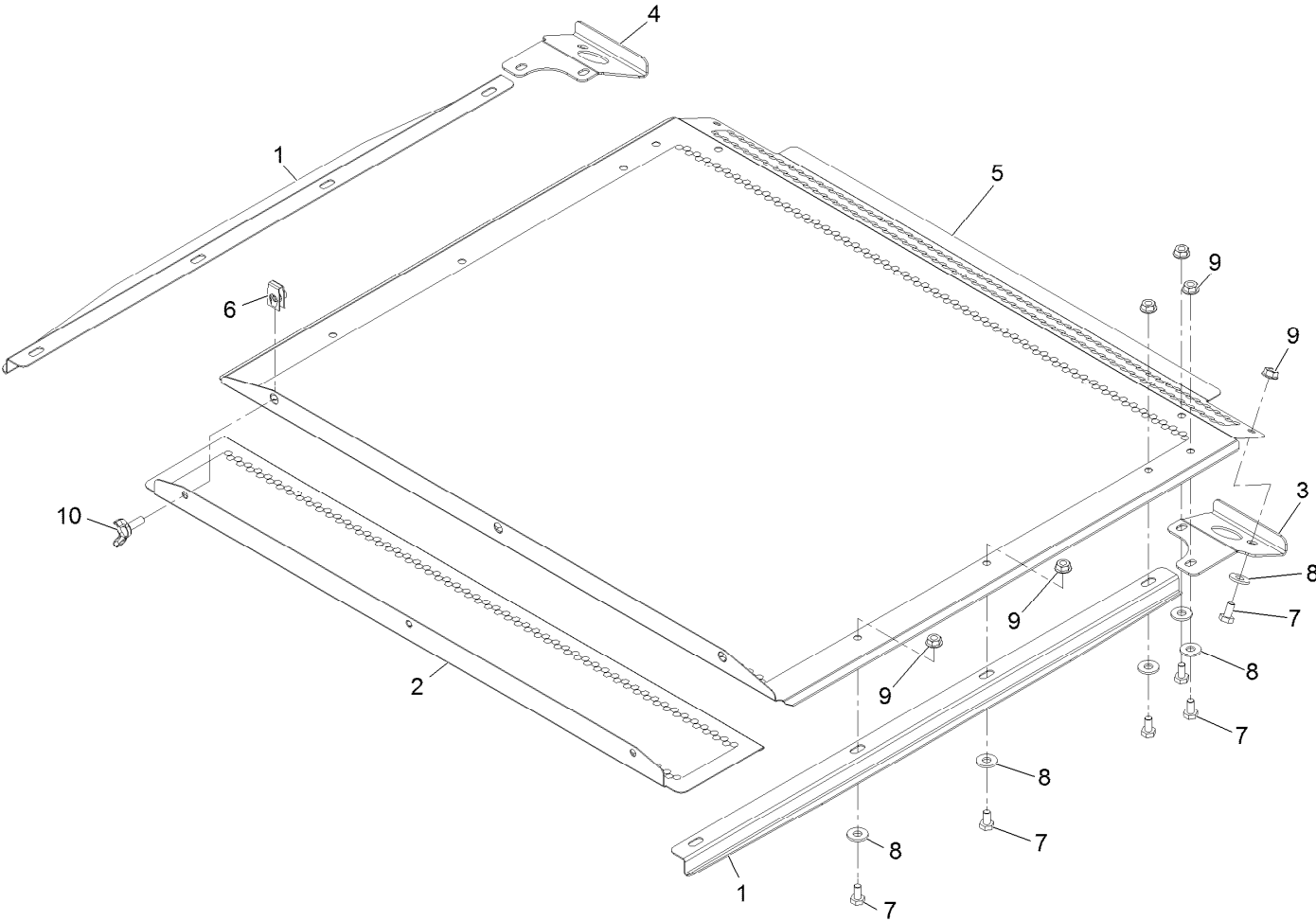
Hopper Door Assembly No. 103-9456



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	7	3230-23	6	Bolt-Carriage 5/16-18 X 3/4 Short Neck
2	109-4153-03	1	Support-Door	8	104-8300	8	Nut-Nyloc 5/16-18 Flg
3	109-4253	1	LH Door Pivot ASM	9	3256-23	4	Washer-5/16 SAE
3:2	103-8444	1	Decal-Pinch Point	10	103-5752	4	Stud-Ball 10Mm
4	109-4254	1	RH Door Pivot ASM	11	3256-3	4	Washer-5/16 Std
5	109-0715	2	Damper Kit	12	322-4	4	Screw-HH 5/16-18 X 7/8
5:1	103-8324	2	Clip-Retainer-10Mm	13	32128-20	2	Nut-Whizlock 5/16-18
5:2	103-5746	1	Shock-Gas Tension				
6	103-6024	1	Decal, Exmark Logo				

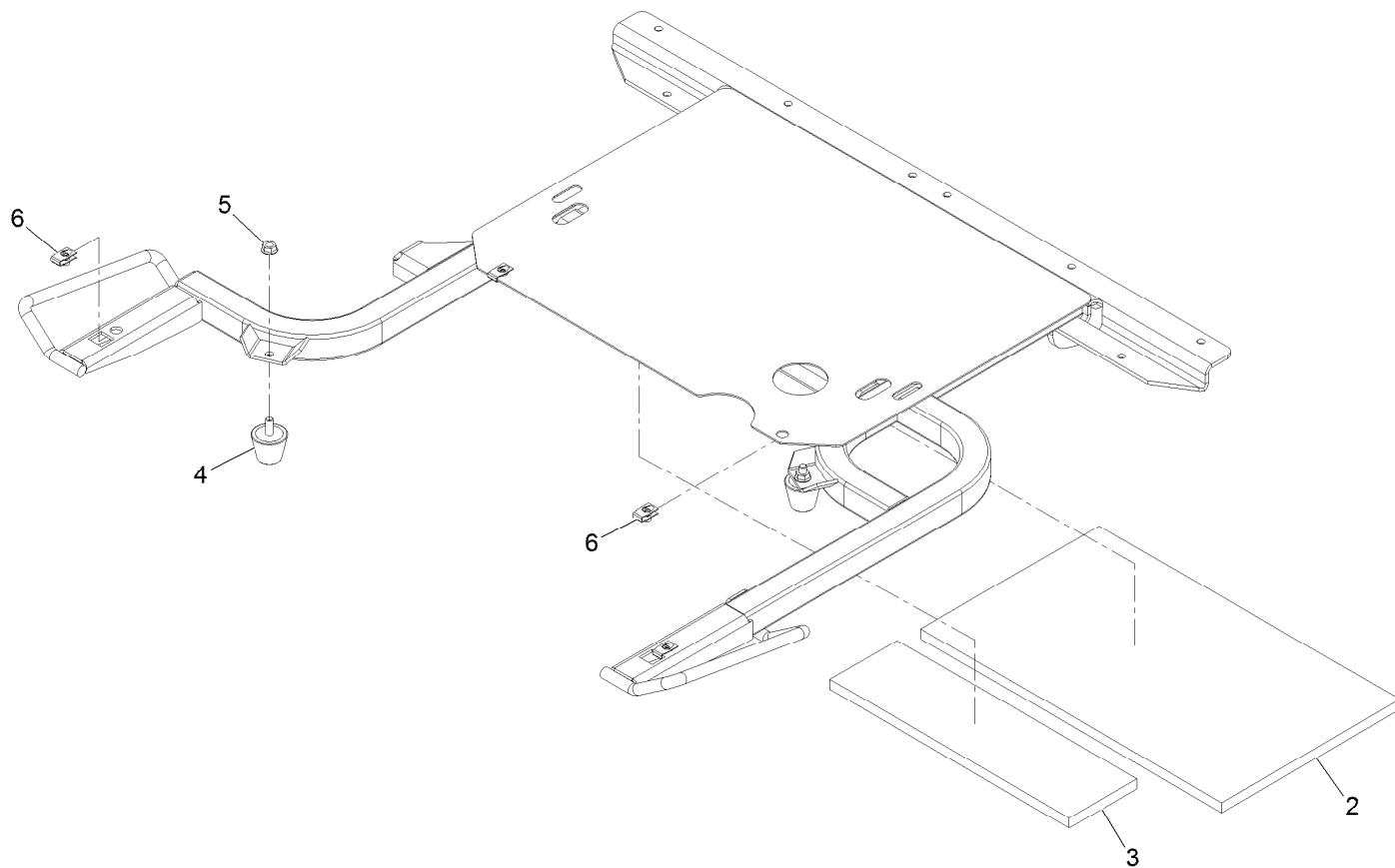
Hopper Screen Assembly No. 109-0717



Hopper Screen Assembly No. 109-0717 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	103-8203-03	2	Guide-Screen	6	107069	3	Nut-Retainer-Panel 1/4-20
2	103-7048-03	1	Panel-Screen, Removable	7	321-2	12	Screw-HH 1/4-20 X 1/2
3	103-7098-03	1	Handle-Screen, LH	8	3256-2	12	Washer-1/4 Std
4	103-7099-03	1	Handle-Screen, RH	9	32128-33	12	Nut-Whizlock 1/4-20
5	103-5745-03	1	Panel-Screen, Hopper	10	109-1063	3	Screw-Wing 1/4-20 X 3/4

Hopper Frame Assembly No. 109-4086

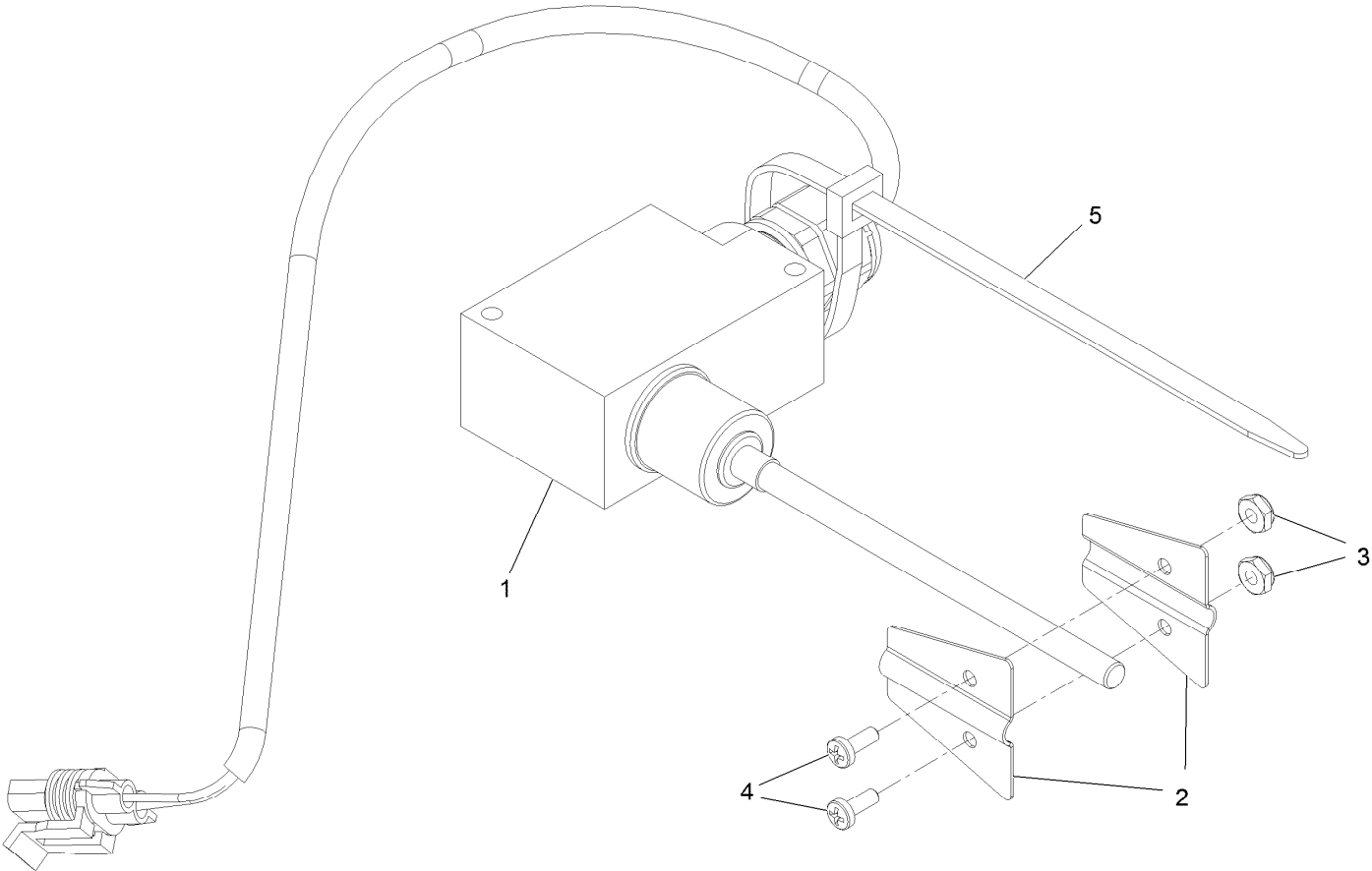


Hopper Frame Assembly No. 109-4086 (continued)

<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

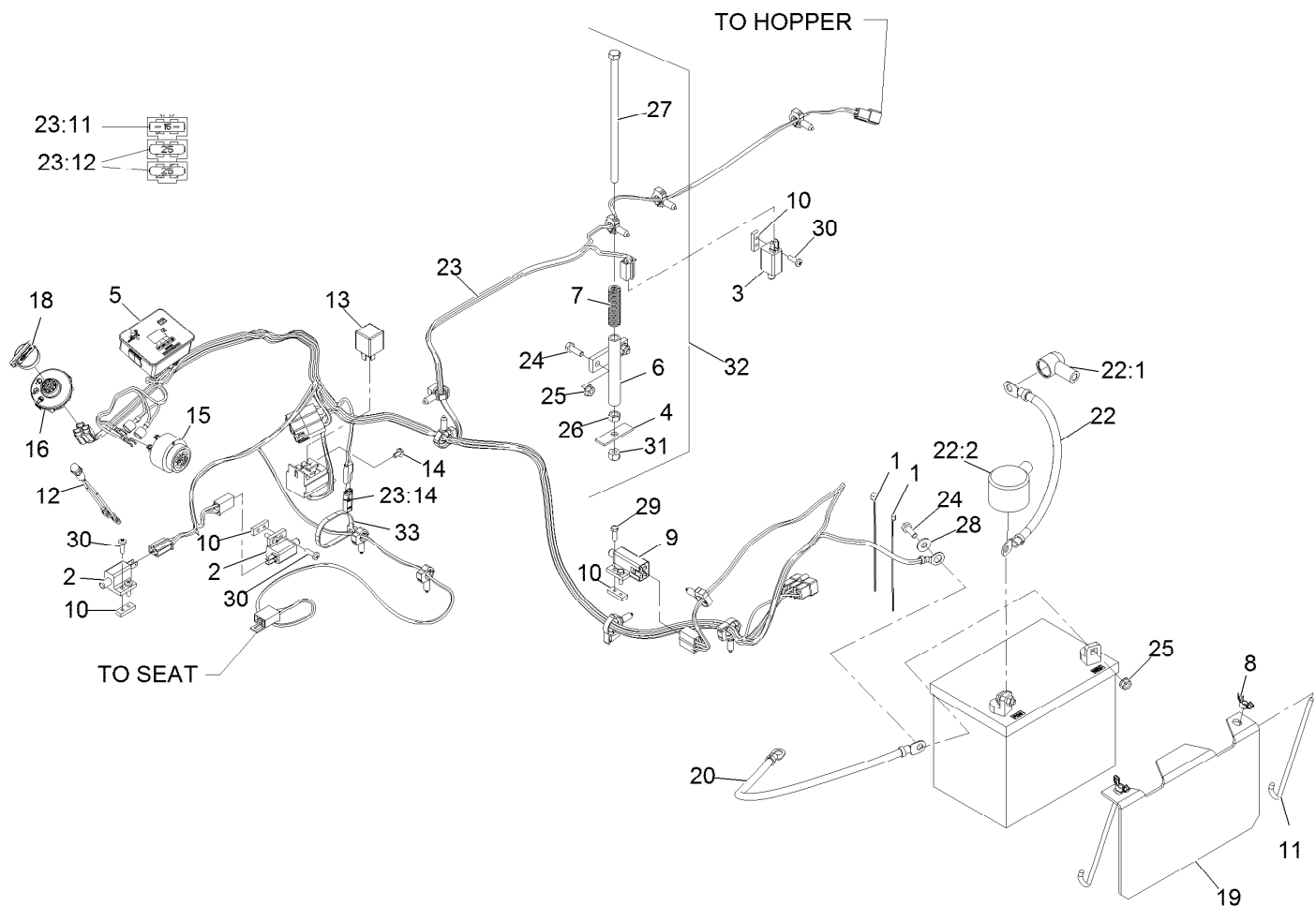
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
5	32128-20	2	Nut-Whizlock 5/16-18
6	107069	4	Nut-Retainer-Panel 1/4-20

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

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.
4	1-513180	1	Plate-Switch, Seat
5	116-8812	1	Hour Meter ASM
6	1-522424-03	1	Mount-Spring, Seat
7	1-523415	1	Spring
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	117-2221	1	Switch-Ignition
18	103-2106	1	Key-Exmark Logo
19	103-4161-03	1	Hold Down-Battery
20	103-8355	1	Cable-Ground(-)

Ref.	Part Number	Qty.	Description
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	4	Screw-HH 1/4-20 X 3/4
25	32128-33	4	Nut-Whizlock 1/4-20
26	3217-6	1	Nut-Hex 5/16-18
27	322-50	1	Screw-HH 5/16-18 X 7 1/2
28	3256-2	2	Washer-1/4 Std
29	3290-134	2	Screw-HH Machine 10-24 X 5/8
30	3290-500	6	Screw-PPH #10-24 X 5/8
31	3296-29	1	Nut-Nyloc 5/16-18
32	103-8528	1	Hopper Switch Actuator ASM
33	1-303335	1	Tie-Cable 7 15/16 (Large)

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

Notes:

Notes:

Notes:

EXMARK ACCESSORIES AND OPTIONS*

MID-MOUNT RIDING ACCESSORIES AND OPTIONS

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

OUT-FRONT RIDING ACCESSORIES AND OPTIONS

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

WALK-BEHIND ACCESSORIES AND OPTIONS

GRASS CATCHER	TURF STRIPER
MICRO-MULCH SYSTEM	STANDON

*Some accessories and options not available for some models.

Place Model No. and Serial No.
Label Here (Included in the Literature
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Model No. _____

Serial No. _____

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