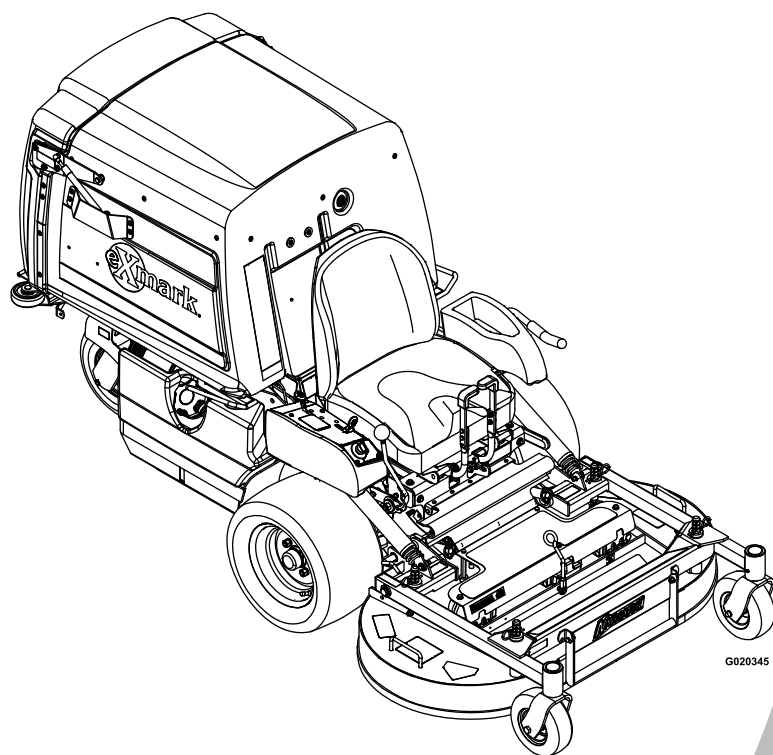




NAVIGATOR®

Model No. NV640KC48—Serial No. 314000000 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	HJ: hex jam	PRH: phillips round head
ASM: assembly	HLH: hex lag head	PTH: phillips truss head
BBC: blade brake control	HOC: height-of-cut	PTO: power-take-off
BHTF: button head thread forming	HSBH: hex socket button head	RH: right hand
CARR: carriage	HSFH: hex socket flat head	ROPS: roll-over protection system
CCW: counter clockwise	HSH: hex socket head	RRB: rear roller brush
CW: clockwise	HWH: hex washer head	SFH: slotted fillister head
DEG: degrees	HWHTF: hex washer head thread forming	SHH: slotted hex head
DPA: Dual Point Adjustment	HYD: hydraulic	SHWH: slotted hex washer head
ECM: electronic control module	LH: left hand	SPH: slotted pan head
EXT: external	LP: Liquefied Petroleum Gas	SQH: square head
FH: flat head	LPG: Liquefied Petroleum Gas	SRH: slotted round head
GA: gauge	NI: nylon insert	STD: standard
HD: heavy-duty	NPTF: national pipe thread fine	TAP: self tapping
HF: hex flange	PFH: phillips flat head	TTH: torx truss head
HH: hex head	PPH: phillips pan head	
HHF: hex head flange	PPHTF: phillips pan head thread forming	
HHFTF: hex head flange thread forming		

Touch Up Paint

Exmark black touch up spray paint – gloss black.

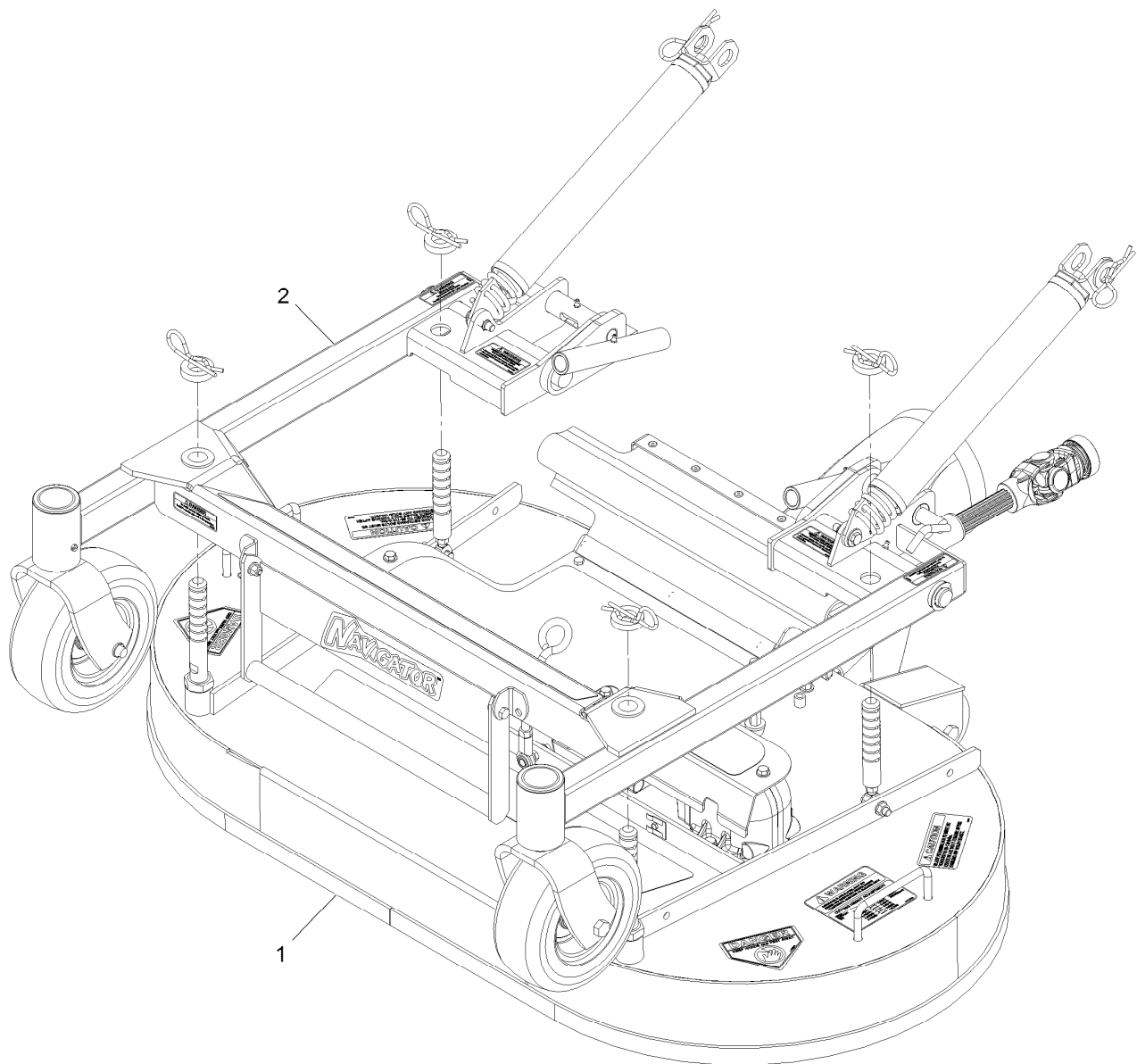
Exmark red touch up paint (spray paint – P/N 1-850337 - .6 oz liquid bottle – P/N 103-9140).



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

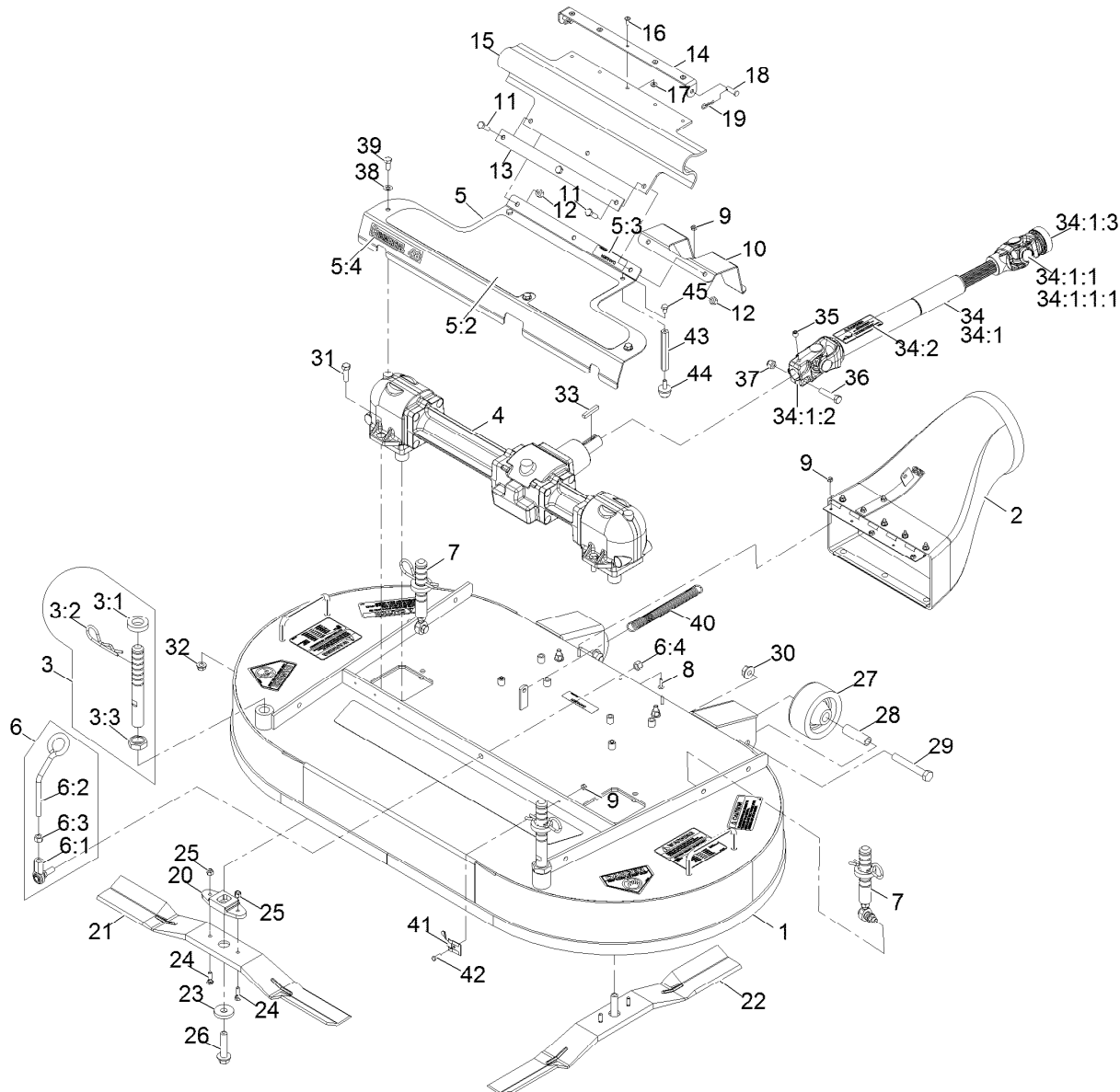
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Complete Deck and Support Frame Assembly

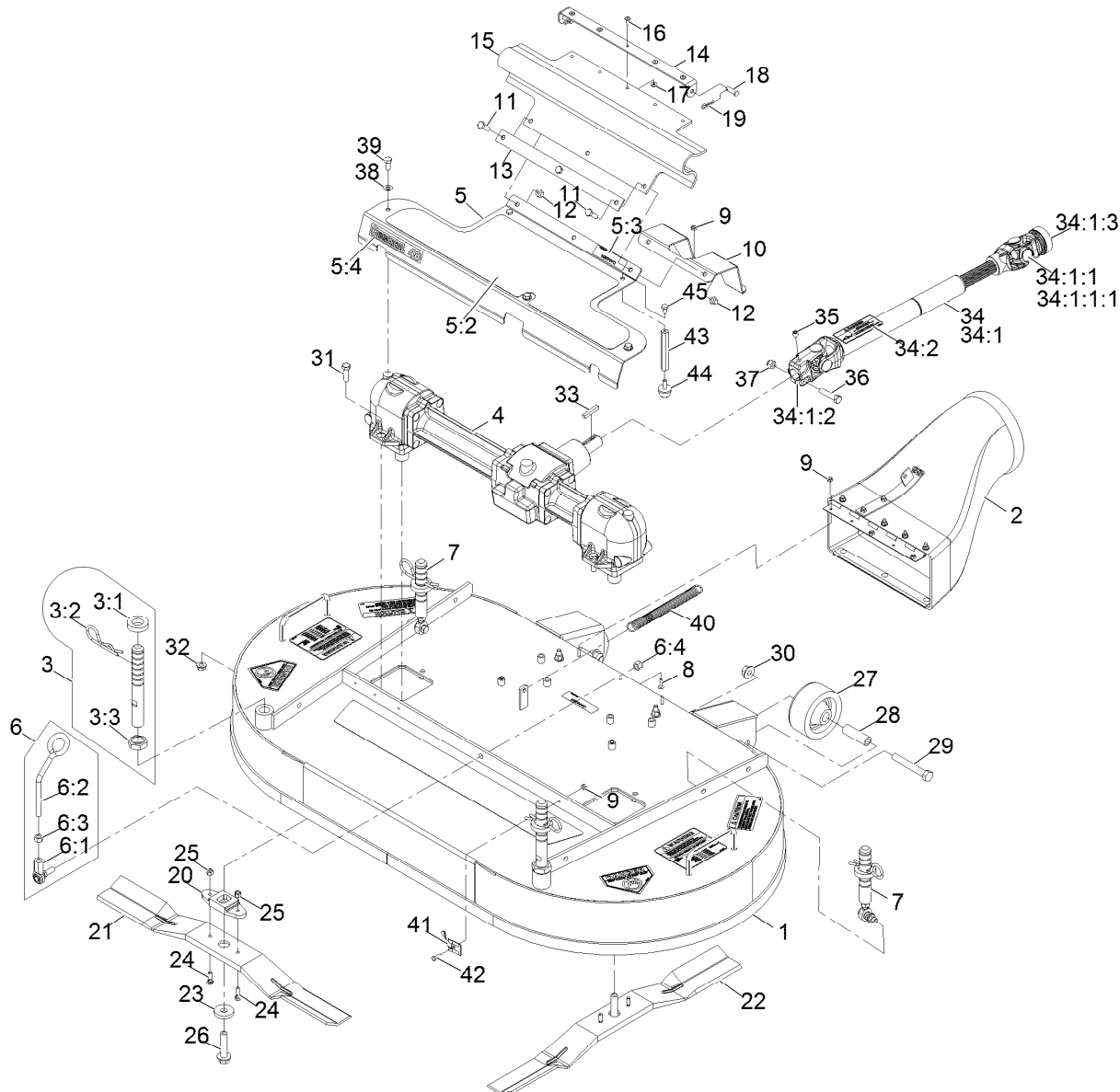
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	116-7833	1	Deck ASM
2	116-7841	1	Deck Support Frame ASM



Deck Assembly

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	109-4372	1	Asm, Deck W/Decals (48")	8	1-803075	3	Screw-Truss Head #10-24 X 3/4
2	103-9487	1	Asm, Discharge Tube	9	3296-2	6	Nut-Nyloc #10-24
3	109-0321	2	Asm, Front Deck Height Adj	10	116-7843-01	1	Guard, Drive Shaft -42 Nav
3:1	1-413425	1	Spacer	11	322-5	3	Screw-HH 5/16-18 X 1
3:2	103-7353	1	Pin, Cut Height	12	3296-29	3	Nut-Nyloc 5/16-18
3:3	103-8496	1	Nut-Jam 7/8-9	13	103-6290-03	1	Plate, Drive Line Cover
4	103-3387	1	Gearbox,48 Std	14	103-6183-03	1	Bracket, PTO Guard
5	103-9496	1	Asm, Gearbox Cover W/Decal (48")	15	103-5979	1	Guard, PTO
5:2	103-8629	1	Pad, Anti Skid (48")	16	114439	5	Rivet
5:3	98-5954	1	Decal-Cover, Missing	17	3256-14	5	Washer-#10 Std
5:4	1-403131	1	Decal, Commercial 48	18	1-808280	2	Pin-Clevis 5/16 X 1 49/64
6	103-8363	1	Asm, Deck Latch	19	1-806003	2	Hairpin-Cotter
6:1	103-7994	1	Balljoint	20	103-7705	2	Driver, Blade
6:2	103-8307	1	Latch, Deck	21	103-4208	1	Blade, RH (48") Red
6:3	3219-3	1	Nut-Hex 3/8-24	22	103-4207	1	Blade, LH (48") Black
6:4	3296-6	1	Nut-Nyloc 3/8-24	23	30-8770	2	Washer
7	109-0323	2	Asm, Rear Deck Height Adj. (48")	24	99-0283	4	Bolt-Shear 1/4-20 X 7/8
				25	3296-42	4	Nut-Nyloc 1/4-20

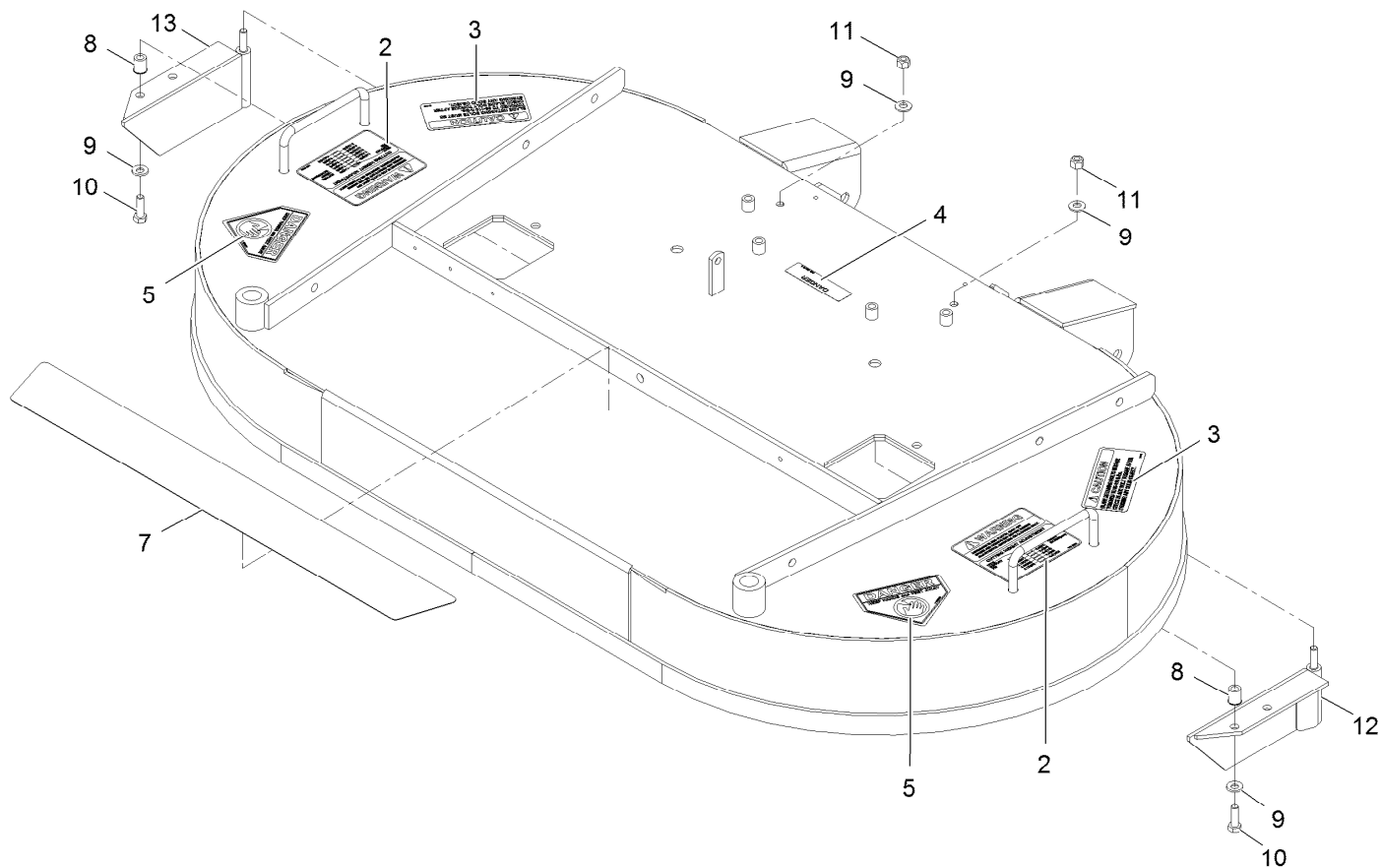
● Not serviced separately



Deck Assembly (continued)

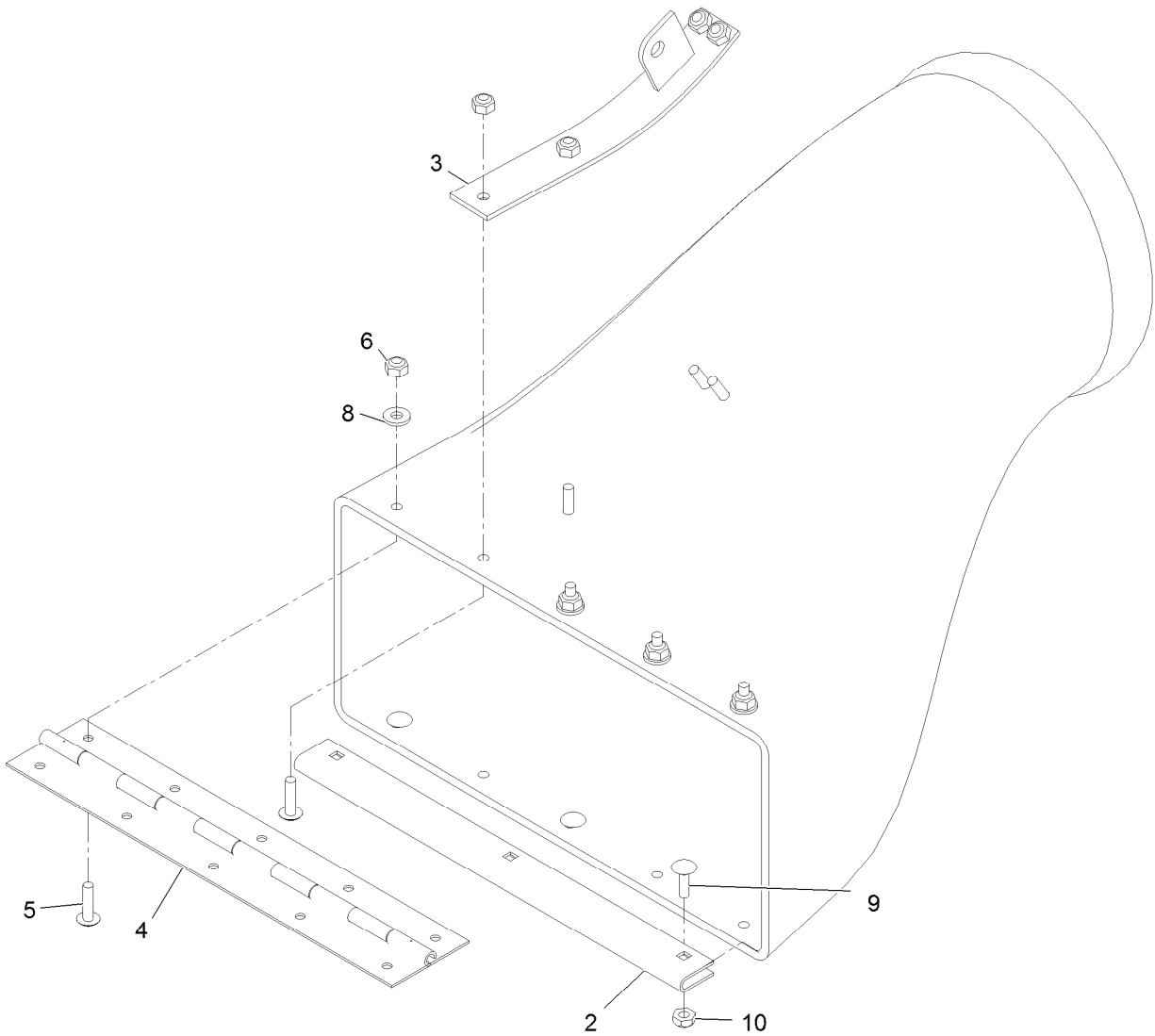
Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
26	92-5816	2	Bolt-Blade 1/2-20 X 2 1/4	34:1:3	103-9329	1	Yoke-Quick Disconnect
27	103-3700	2	Roller, Deck	34:2	103-8425	1	Decal, Driveline
28	103-4230	2	Spacer, Roller	35	3247-2	1	Setscrew-3/8-16 X 3/8
29	325-14	2	Screw-HH 1/2-13 X 3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

● Not serviced separately



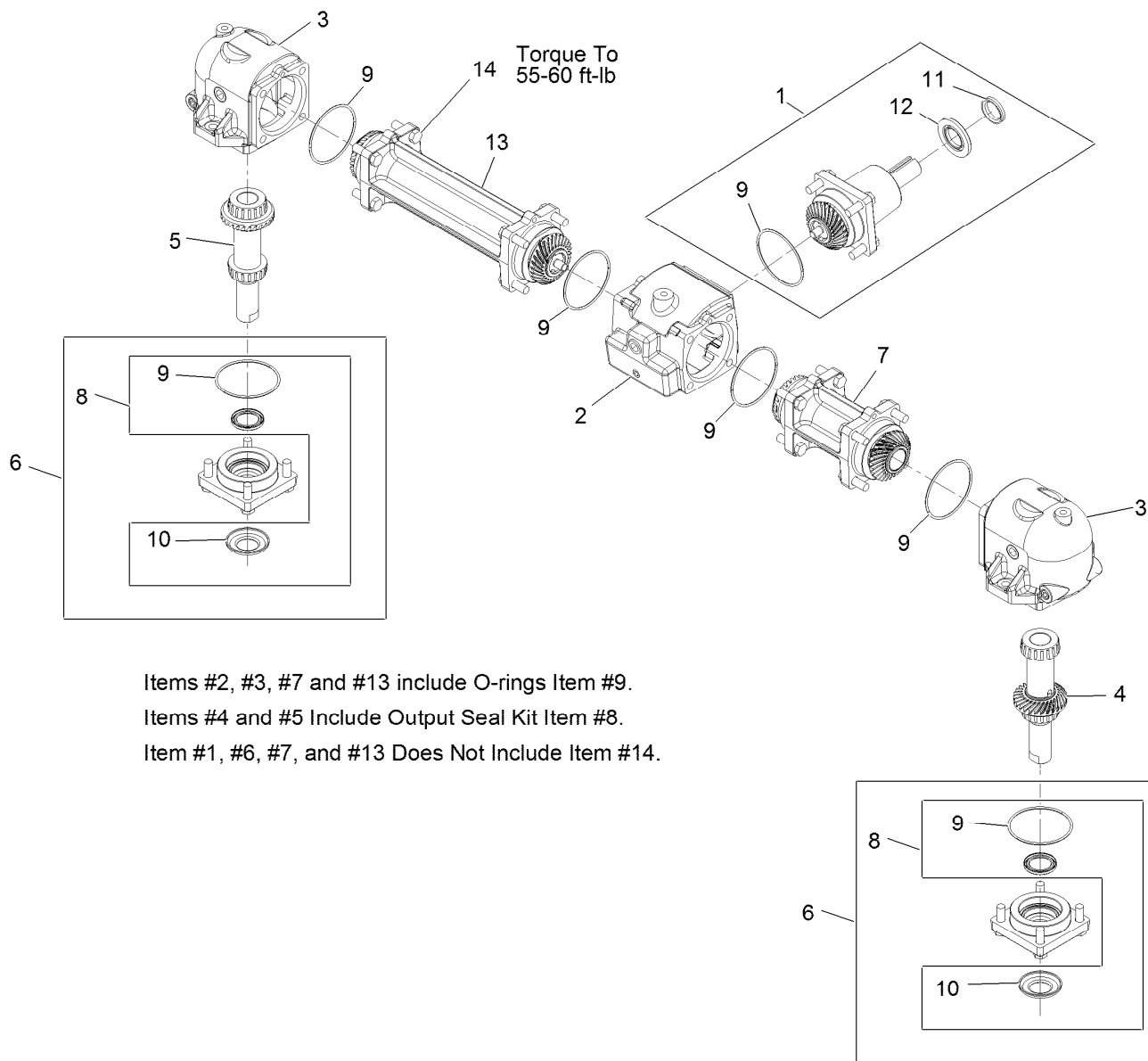
Deck W/Decals No. 109-4372

Ref.	Part Number	Qty.	Description
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 (48")
8	32148-7	6	Nut-Insert
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	Wld, Baffle Discharge LH
13	109-4054-01	1	Wld, Baffle Discharge RH



Discharge Tube Assembly No. 103-9487

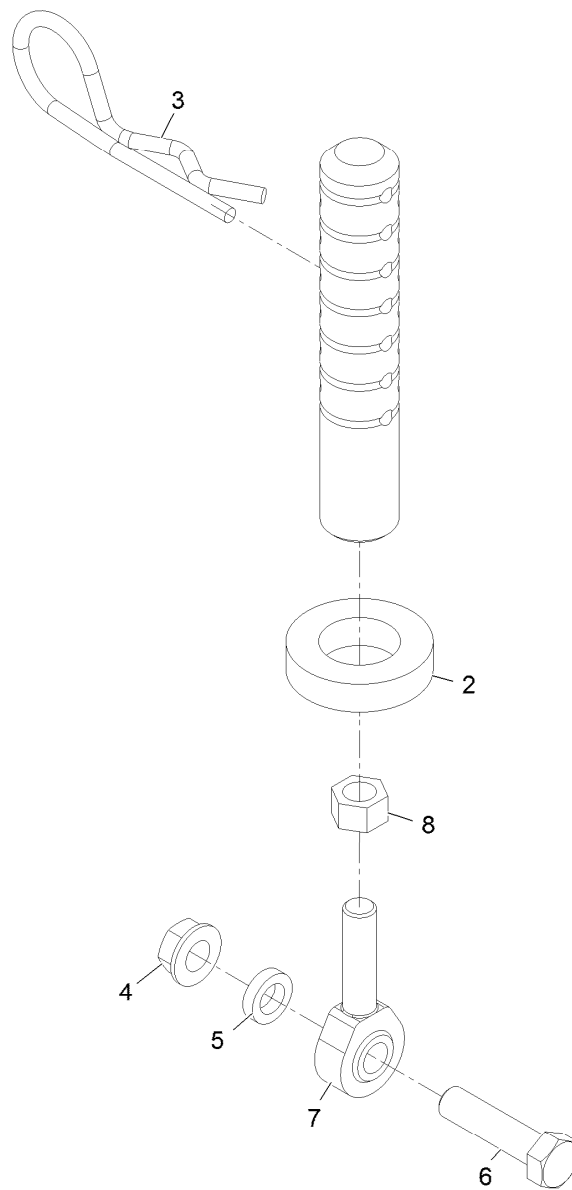
Ref.	Part Number	Qty.	Description
2	109-2228-03	1	Guard, Plenum
3	103-5868-01	1	Wld, Spring Mount
4	103-4974	1	Hinge
5	1-803075	8	Screw-Truss Head #10-24 X 3/4
6	3296-2	8	Nut-Nyloc #10-24
8	3256-14	4	Washer-#10 Std
9	1-807533	3	Bolt-Carriage #10-24 X 5/8
10	3296-12	3	Nut-Nyloc #10-24 Thin



Gearbox Assembly No. 103-3387

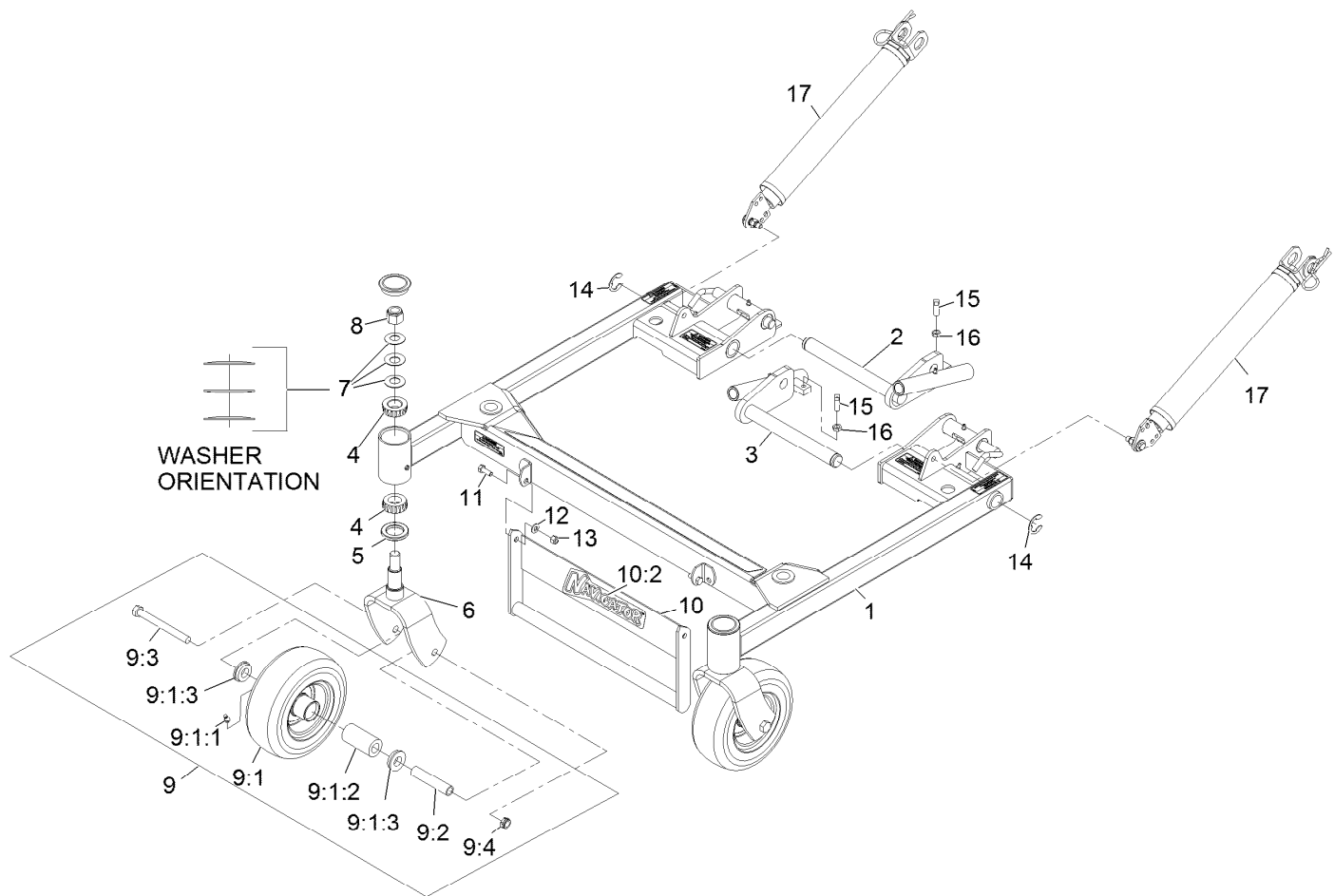
Ref.	Part Number	Qty.	Description
1	109-0189	1	Asm, Input Pinion 48"
2	109-0190	1	Center Housing W/Plugs
3	109-0191	1	End Housing W/Plugs And Race
4	109-0193	1	Output Shaft, Gear And Brgs (48" LH)
5	109-0195	1	Output Shaft, Gear And Brgs (48" RH)
6	109-0196	1	Output Cap W/Race
7	109-0198	1	Asm, Connector Tube 48" Short
8	109-0201	1	Kit, Output Seal
9	109-0203	1	O-Ring
10	109-0204	1	Washer, Cupped
11	109-0205	1	V-Ring ●
12	109-0202	1	Seal, Input ●
13	109-0200	1	Asm, Connector Tube 48" 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

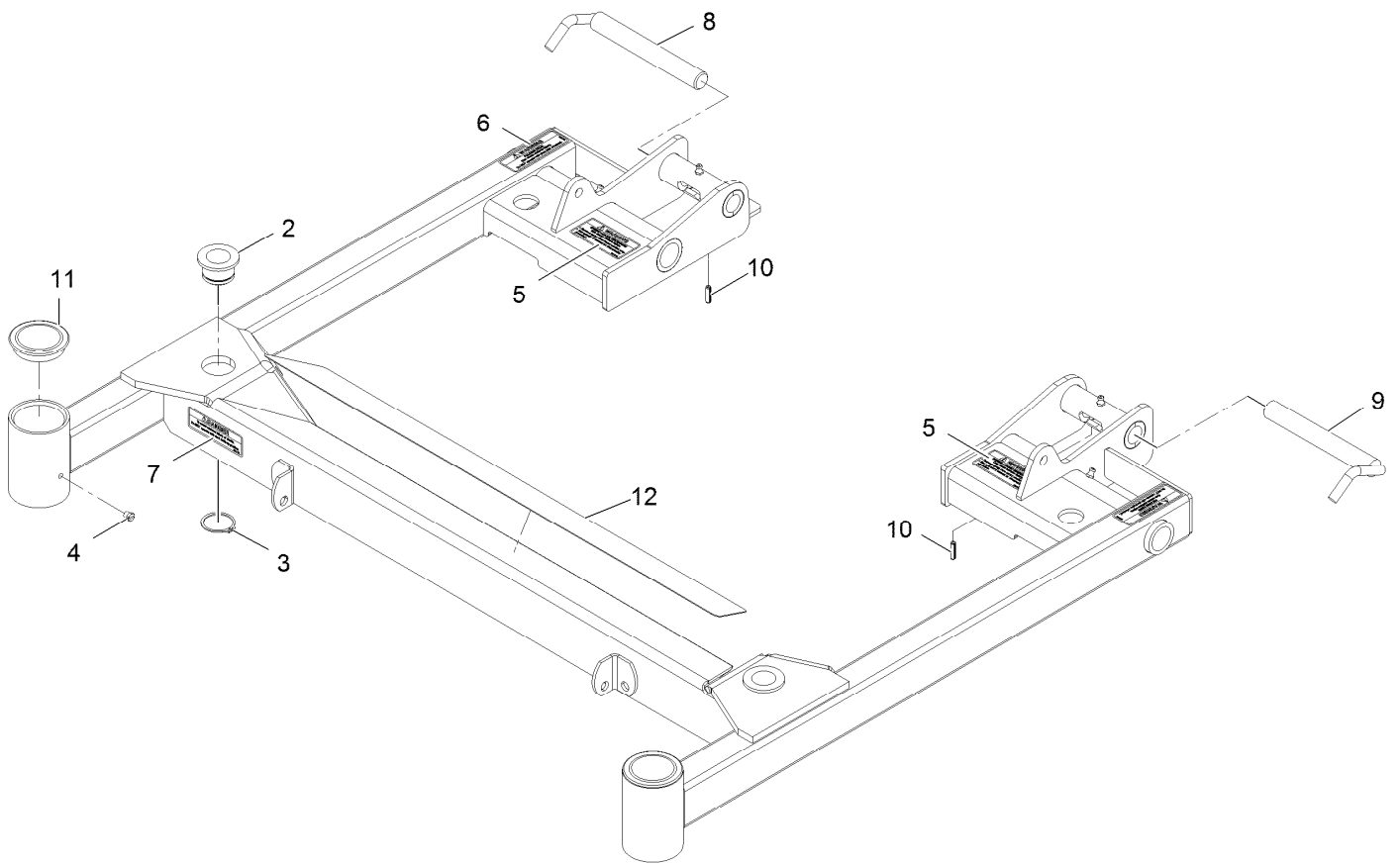
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
2	1-413425	1	Spacer
3	103-7353	1	Pin, Cut Height
4	3290-357	1	Nut-Whizlock 3/8-16
5	106-5597	1	Spacer-Idler
6	323-8	1	Screw-HH 3/8-16 X 1 1/2
7	1-613204	1	Balljoint
8	3220-3	1	Nut-Jam 3/8-24



Deck Support Frame Assembly

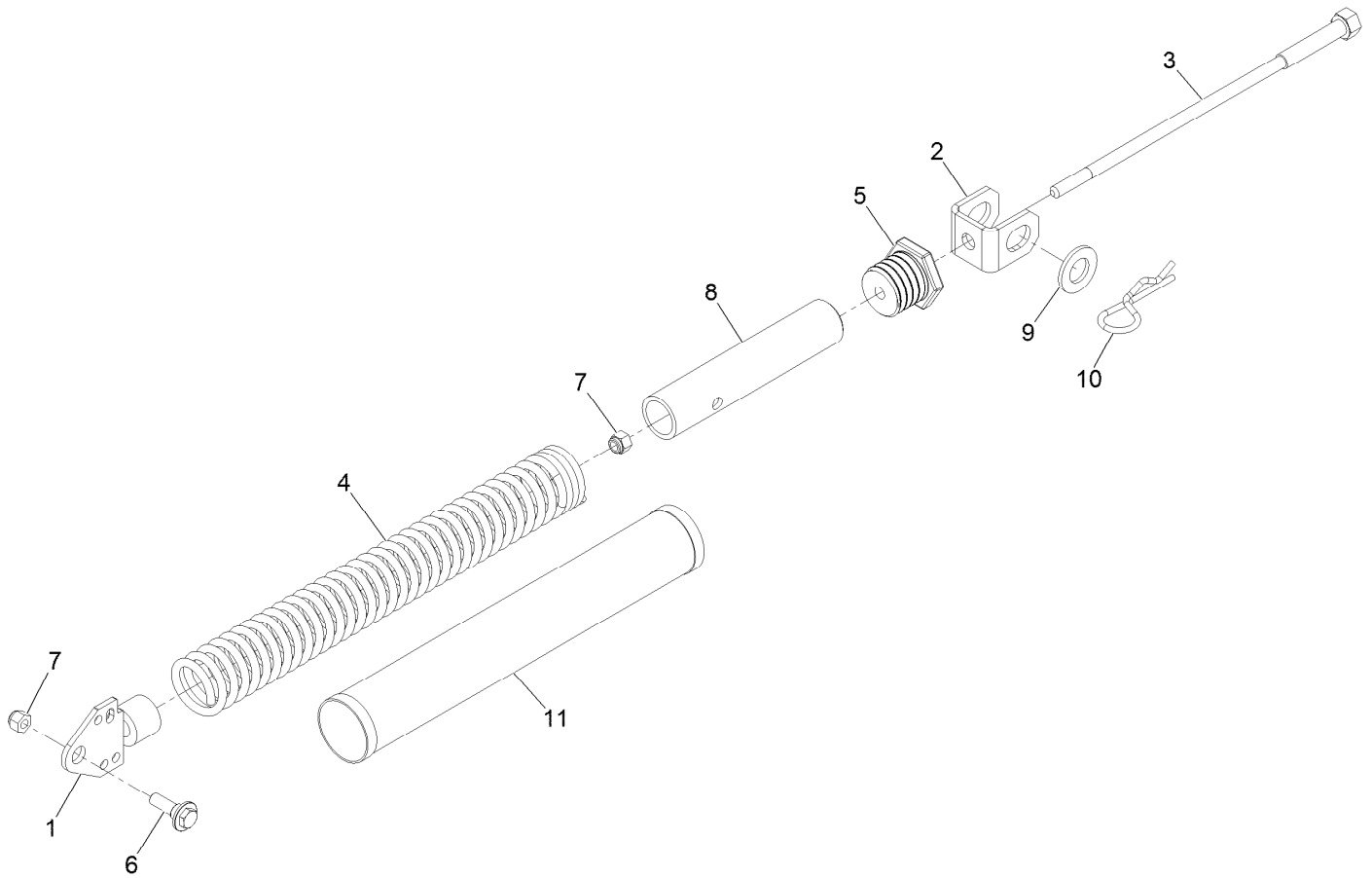
Ref.	Part Number	Qty.	Description
1	103-9480	1	Asm, Front Frame W/Decals (48")
2	103-3729-01	1	Wld, Deck Pivot (RH)
3	103-3732-01	1	Wld, Deck Pivot (LH)
4	1-543509	4	Cone-Bearing Tapered Roller
5	1-543511	2	Seal-Grease
6	109-1933-01	2	Wld, Fork And Spindle
7	1-633508	6	Washer-Spring Disc
8	3296-51	2	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, Front Caster
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



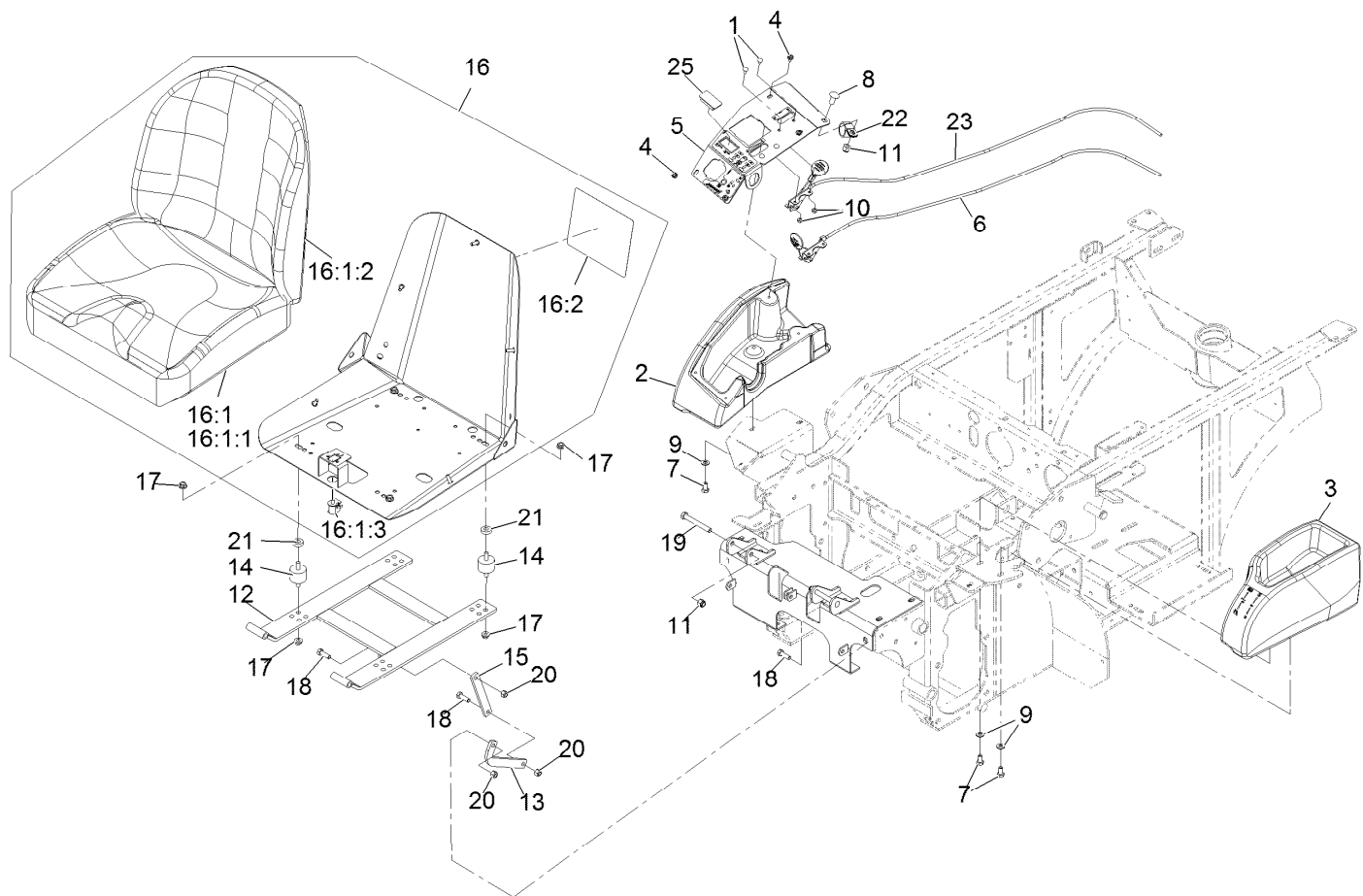
Deck Support W/Decals Assembly No. 103-9480

Ref.	Part Number	Qty.	Description
2	103-7436	2	Bushing, Deck Support
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	Wld, Deck Lock (RH)
9	103-4118	1	Wld, Deck Lock (LH)
10	32121-3	2	Rollpin 3/16 X 3/4
11	103-4882	2	Cap-Grease
12	103-8630	1	Pad, Anti Skid (48")



Spring Lift Assist Assembly No. 116-7851

Ref.	Part Number	Qty.	Description
1	103-4284	1	Wld, Spring Tensioner
2	103-4285	1	Mount, Deck Lift Spring
3	103-3773	1	Shaft, Spring Adjustment
4	103-4281	1	Spring, Extension
5	103-3772	1	Plug, Spring Adjuster
6	614672	1	Screw-Shoulder 3/8-16 X 1.295
7	3296-39	2	Nut-Nyloc 3/8-16
8	103-7865	1	Wld, Spring Tube
9	3256-28	1	Washer-3/4 Sae
10	103-7353	1	Pin, Cut Height
11	103-7971	1	Cover, Deck Spring

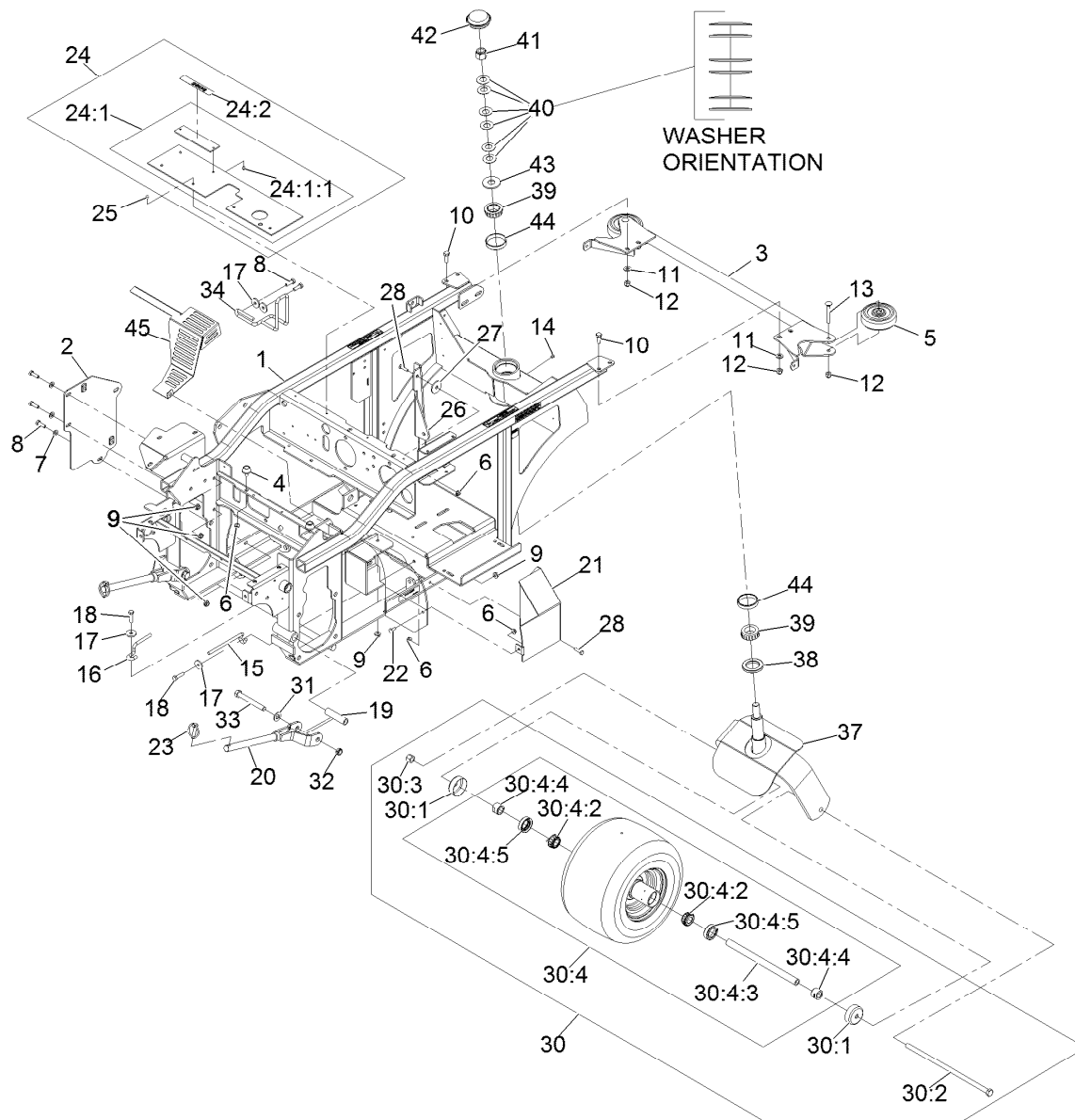


Seat and Consoles Assembly

Ref.	Part Number	Qty.	Description
1	1-807513	4	Bolt-Carriage #10-24 X 1/2
2	116-9430	1	Console, Navigator, RH
3	103-8146	1	Console, LH
4	109-2661	4	Screw-PPH #10-24 X 1/2
5	116-9374	1	Control Panel W/Decals
6	109-4641	1	Cable, Control 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	4	Nut-Nyloc #10-24
11	3296-39	3	Nut-Nyloc 3/8-16
12	103-4362-03	1	Wld, Seat Frame Std
13	116-9554	1	Link-Seat Stop
14	103-5496	4	Mount, Vibration Rubber
15	103-8563	1	Link, Seat

Ref.	Part Number	Qty.	Description
16	116-4849	1	ASM-Seat W/Decal
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-Bail
16:2	116-1175	1	Decal, Service Aid Nav
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
23	109-4640	1	Cable, Control Choke
25	99-7420	1	Plug-Hole

● Not serviced separately

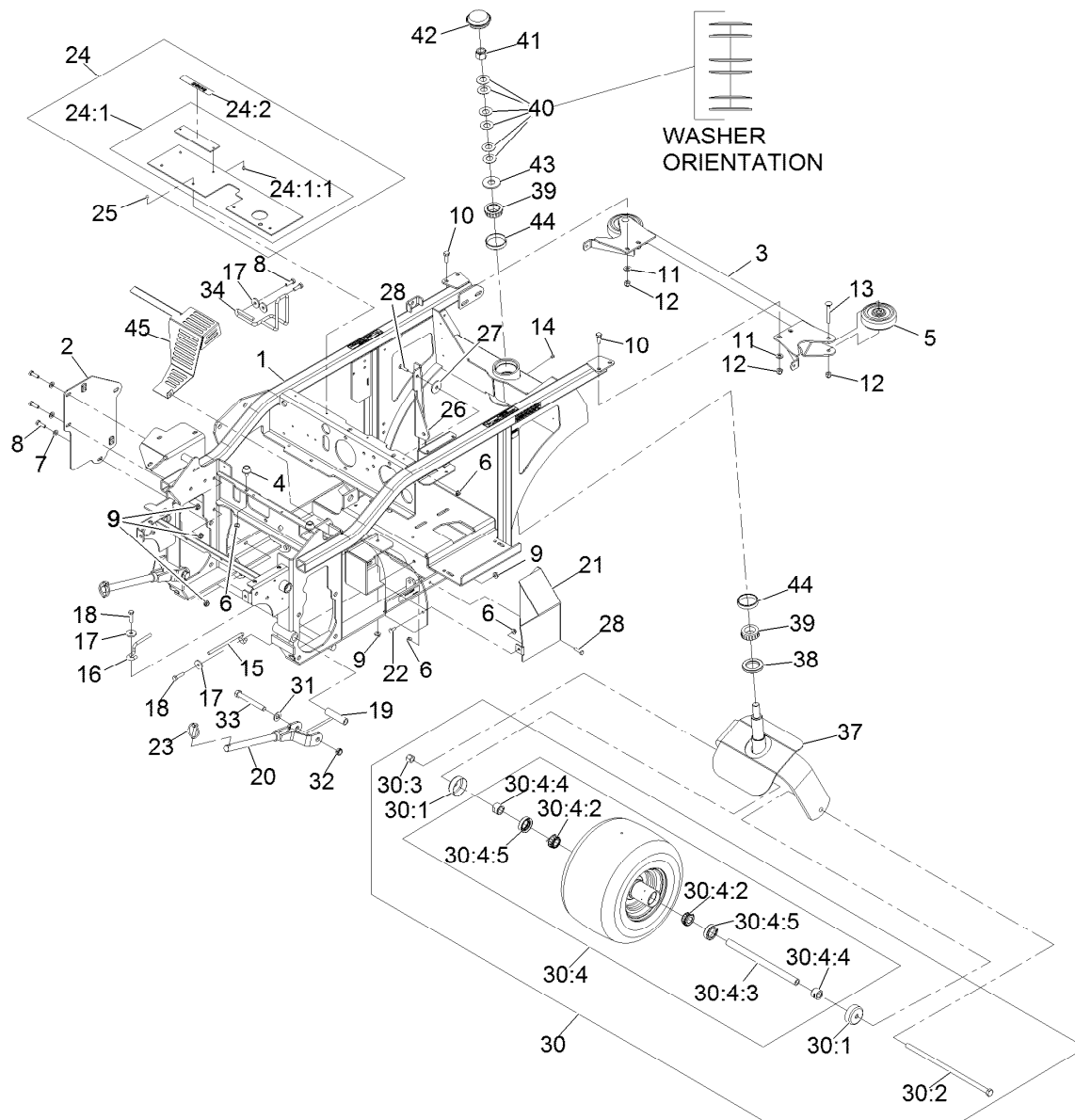


Main Frame Assembly

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	116-7482	1	Frame ASM W/Decals	20	103-6596-03	2	Wld, Push Rod
2	116-7396-03	1	Support Plate ASM	21	103-9475	1	Asm Drive, Shield
3	109-0925-03	1	Wld, Bumper Rear	22	321-3	1	Screw-HH 1/4-20 X 5/8
4	109-2365	1	Bumper-Rubber	23	103-4155	2	Pin-Lynch
5	103-5408	2	Wheel	24	103-9476	1	Asm, Shield W/Decal
6	32128-33	5	Nut-Whizlock 1/4-20	24:1		1	ASM,Shield Lift ●
7	3256-23	3	Washer-5/16 Sae	24:1:1	1-803035	2	Rivet 3/16 X 1/4
8	322-5	5	Screw-HH 5/16-18 X 1	24:2	98-4361	1	Decal-Warning
9	32128-20	5	Nut-Whizlock 5/16-18	25	1-803035	4	Rivet 3/16 X 1/4
10	323-6	4	Screw-HH 3/8-16 X 1	26	109-5874-03	1	Brace, PTO
11	3256-24	4	Washer-3/8 Sae	27	1-213069	1	Washer
12	3296-39	6	Nut-Nyloc 3/8-16	28	321-6	2	Screw-HH 1/4-20 X 1
13	3231-31	2	Bolt-Carriage 3/8-16 X 2 1/2	30	103-9494	1	Asm, Rear Caster Wheel W/Axle
14	1-811010	1	Plug	30:1	103-2768	2	Guard-Seal
15	103-8333	1	Guide, Belt	30:2	103-7738	1	Screw-HH 1/2-13 X 13
16	103-8349	1	Guide, Belt	30:3	3296-23	1	Nut-Nyloc 1/2-13
17	1-613235	4	Washer	30:4	103-5305	1	Asm, Wheel Tire And Brg 13X8.00-6 Sp
18	322-6	2	Screw-HH 5/16-18 X 1 1/4				
19	1-633060	2	Spacer-Wheel, Short				

● Not serviced separately

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



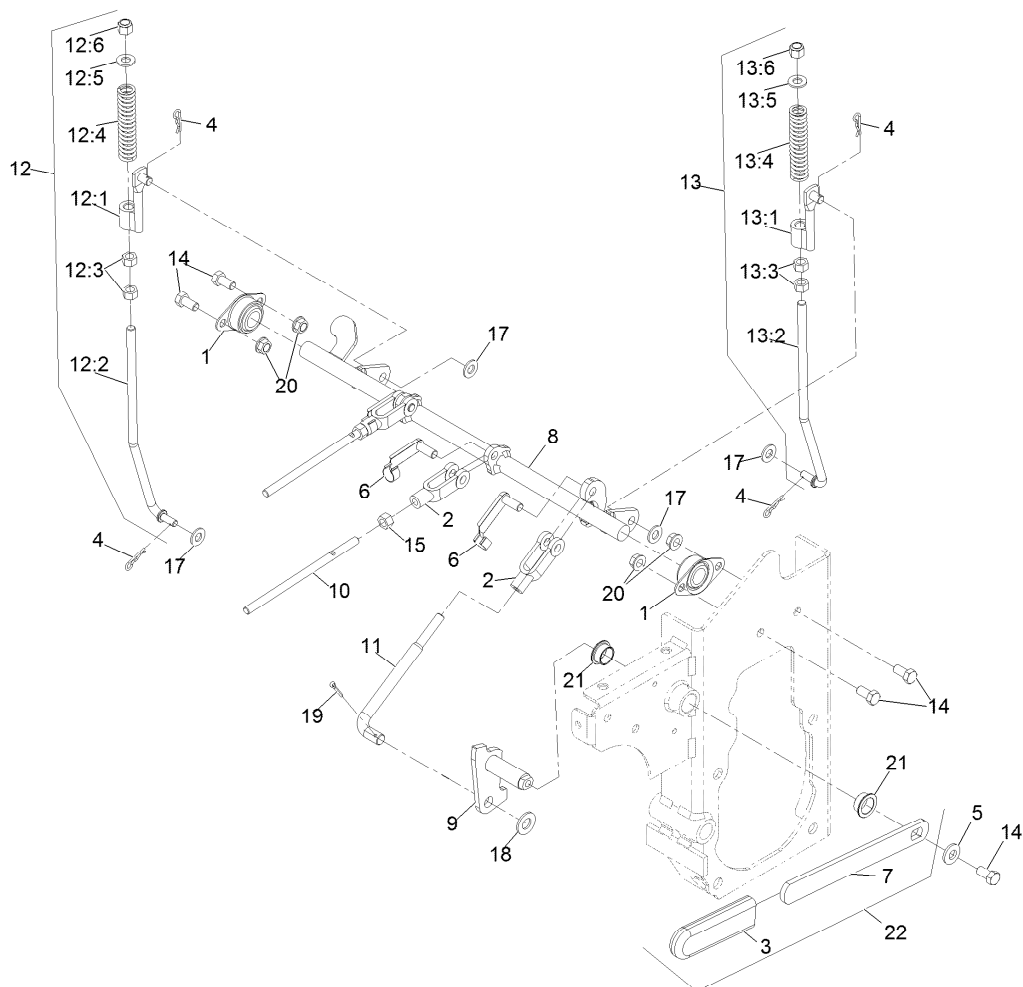
Main Frame Assembly (continued)

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	Wld, Rear Caster Fork
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

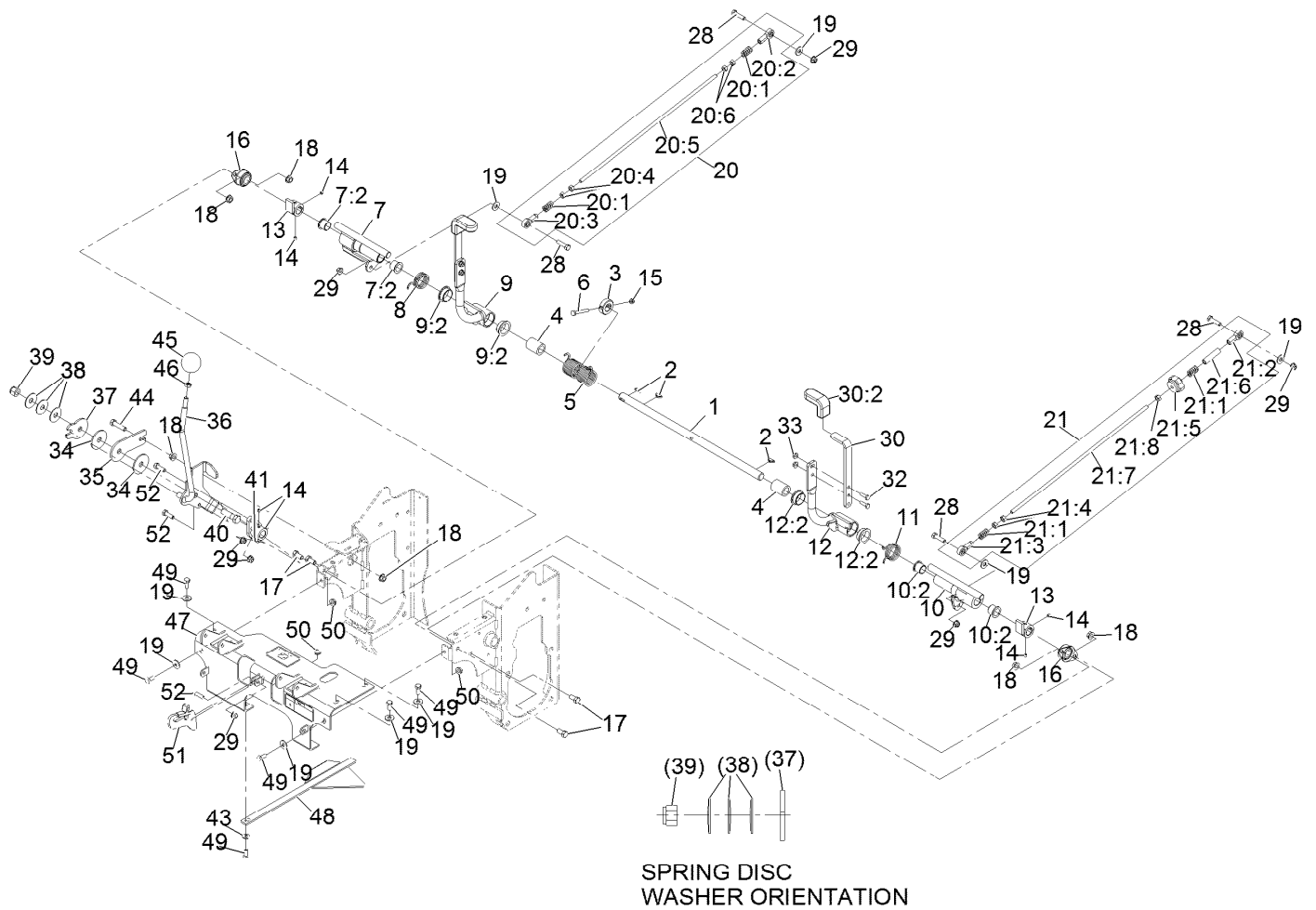
■ Use Pro-Lock, Nut Type (P/N 1-840022, .5ml tube) on threads.



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
7	103-7369-03	1	Handle, Park Brake
8	116-7483-03	1	Brakeshaft ASM [black]
9	116-7486	1	Brake Pivot ASM
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

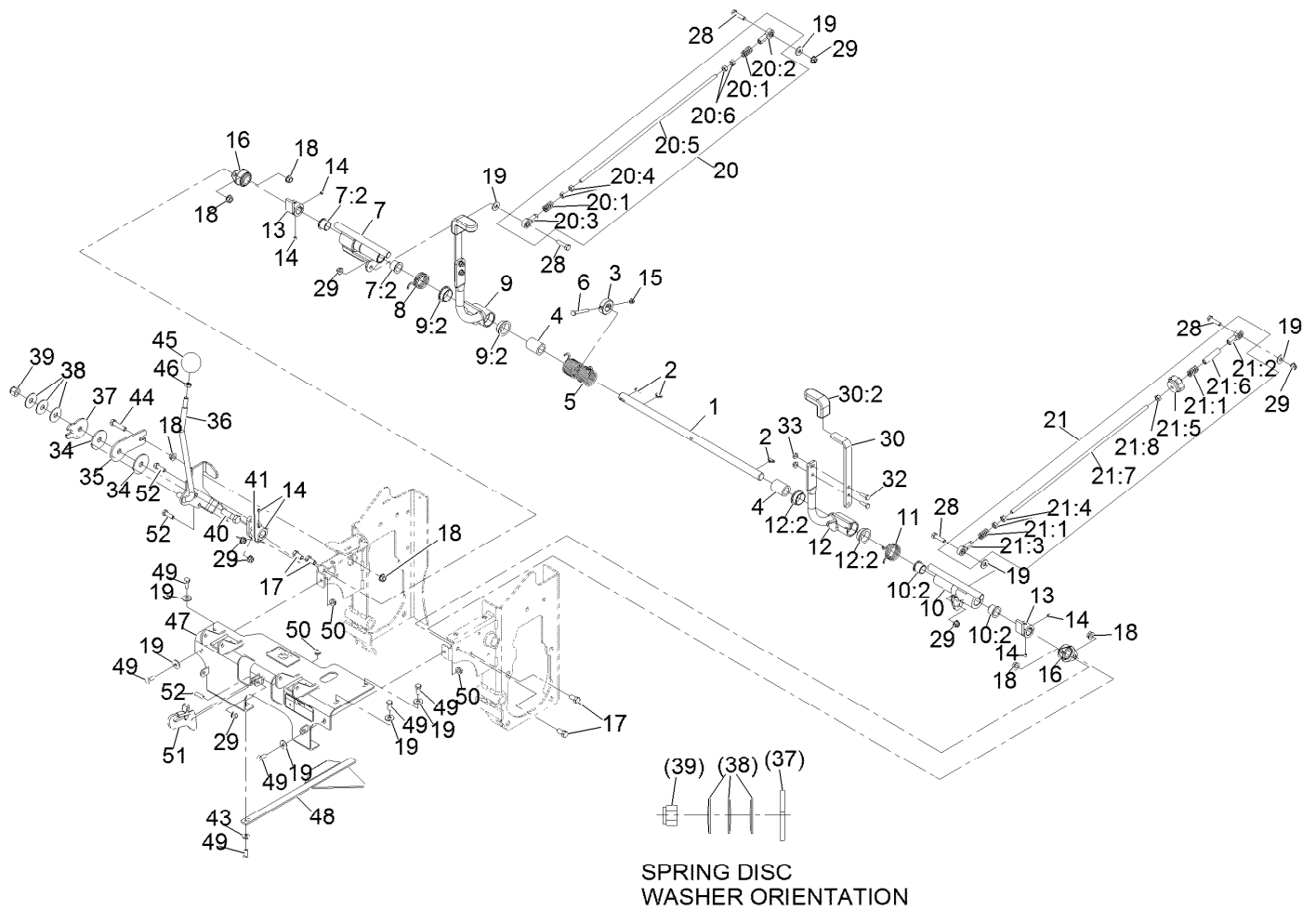
Ref.	Part Number	Qty.	Description
12:6	3296-6	1	Nut-Nyloc 3/8-24
13	116-9749	1	LH Brake Linkage ASM
13:1	116-8467	1	Brake Linkage ASM
13:2	116-8464	1	Link-Brake, LH
13:3	3219-3	2	Nut-Hex 3/8-24
13:4	116-8470	1	Spring-Compression
13:5	3256-24	1	Washer-3/8 Sae
13:6	3296-6	1	Nut-Nyloc 3/8-24
14	323-4	5	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	Asm, Park Brake Handle W/Grip



Speed Control Assembly

Ref.	Part Number	Qty.	Description
1	116-7856	1	Shaft-Speed Control
2	3257-5	3	Key-Woodruff #9 3/4 X 3/16
3	116-7372	1	Hub-Center Stop
4	116-7414	2	Bushing-Plastic
5	116-8475	1	Spring-Double Torsion
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 W/Bearings
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 W/Bearings
12:2	116-7422	2	Bearing-Flange Iglide
13	103-4342	2	Wld,Hub Speed Control
14	108-0989	6	Setscrew-1/4-20 X 1/4
15	3296-56	1	Nut-Nyloc 1/4-20 Thin

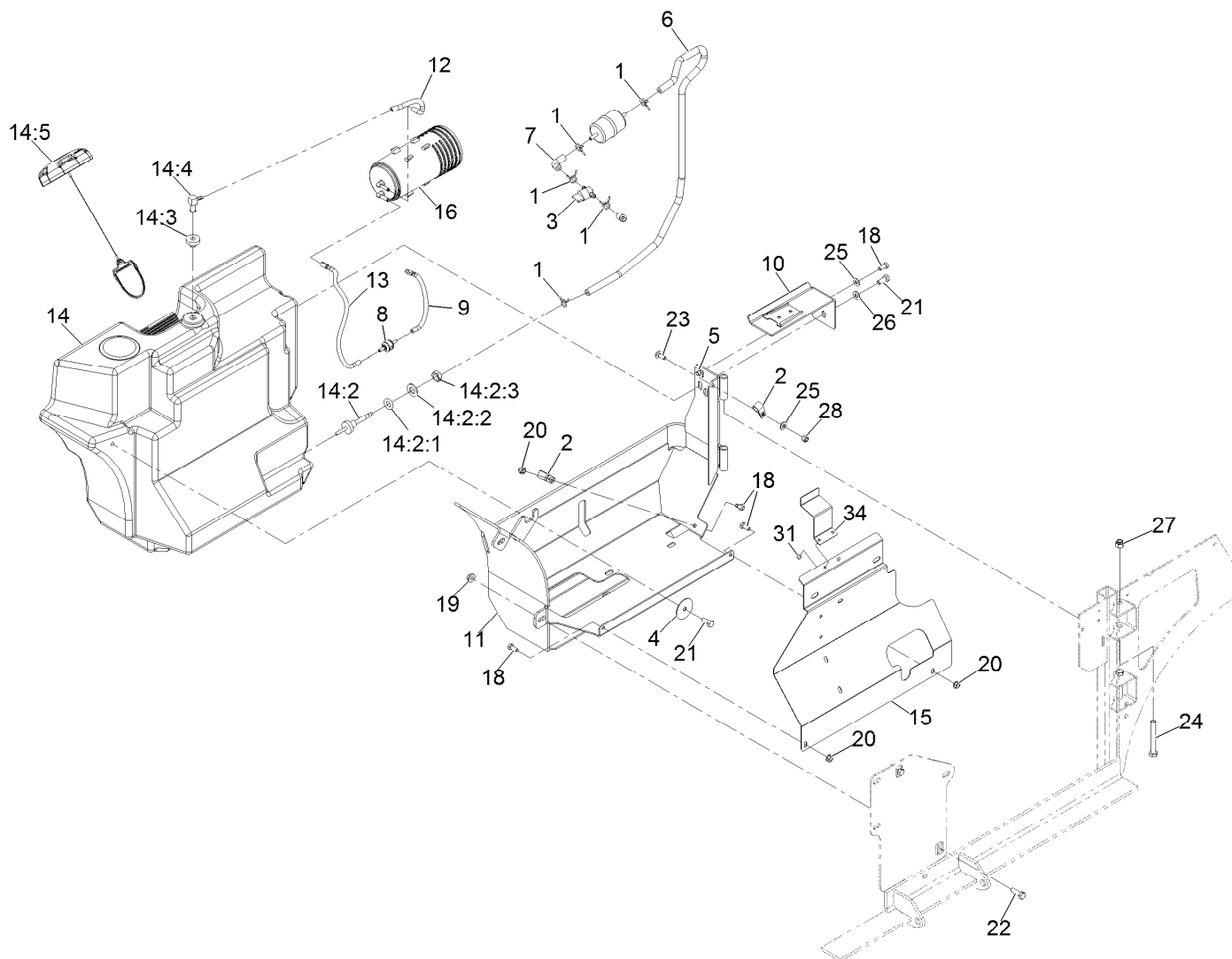
Ref.	Part Number	Qty.	Description
16	1-633102	2	Bearing-Flanged
17	323-4	4	Screw-HH 3/8-16 X 3/4
18	3290-357	6	Nut-Whizlock 3/8-16
19	3256-3	9	Washer-5/16 Std
20	116-9667	1	RH Pump Linkage ASM
20:1	1-323245	2	Spring-Compression
20:2	1-543017	1	Balljoint-RH
20:3	1-633152	1	Balljoint-LH
20:4	1-804524	2	Nut
20:5	116-7492	1	Rod-Steering Linkage
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-Steering Linkage
21:8	3219-2	1	Nut-Hex
28	322-6	4	Screw-HH 5/16-18 X 1 1/4



Speed Control Assembly (continued)

Ref.	Part Number	Qty.	Description
29	104-8300	7	Nut-Nyloc 5/16-18 Flg
30	116-9246	2	Handle W/Grip ASM
30:2	103-5994	1	Grip, Steering Handle
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-Speed Control Friction
36	116-7845	1	Speed Control Lever ASM
37	116-7849	1	Plate-Speed Control Friction
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	Speed Control Hub ASM
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, Speed Control
46	3218-3	1	Nut-Jam 3/8-16
47	116-7384	1	Console ASM W/Decals
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



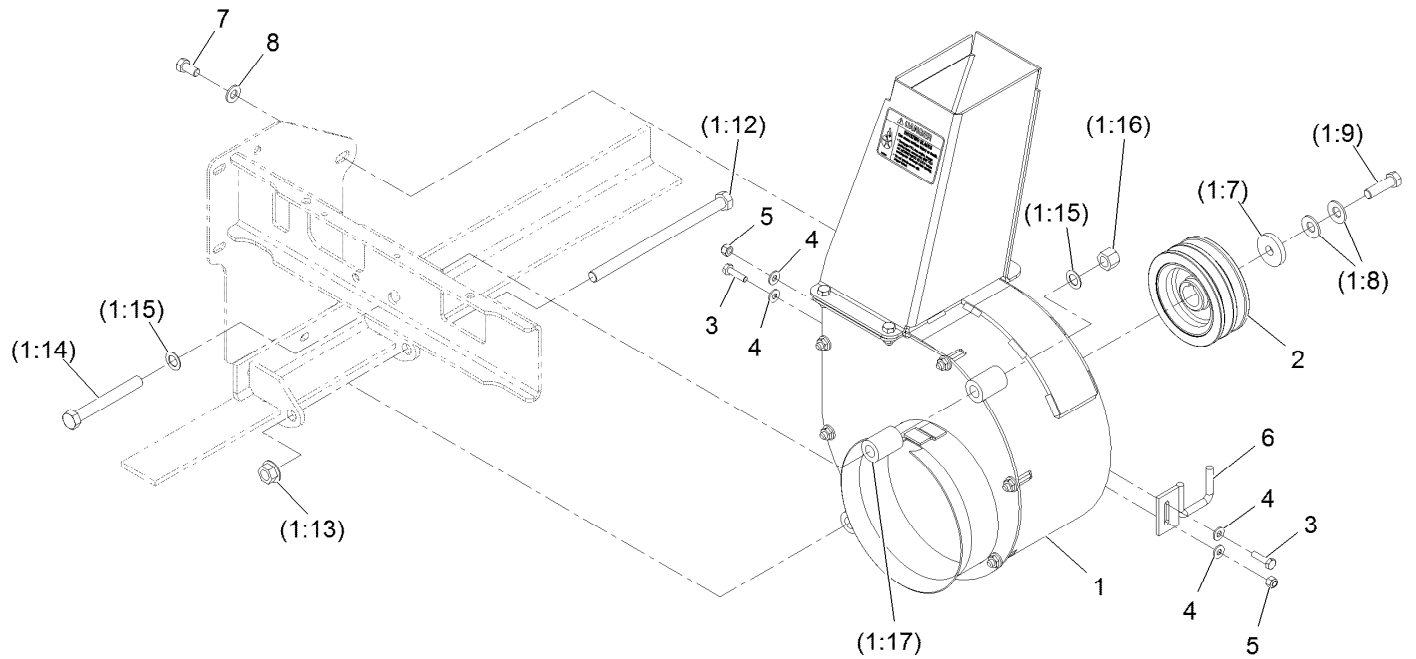
Fuel Assembly

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	109-0284	1	Hose-Fuel Line 29"
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 W/Screen ●
14:2:1	103-2784	1	O-Ring
14:2:2	3256-26	1	Washer-Flat
14:2:3	3220-5	1	Nut-Jam

Ref.	Part Number	Qty.	Description
14:3	46-6560	1	Bushing
14:4	100-1596	1	Fitting-90 DEG
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
31	1-803035	2	Rivet 3/16 X 1/4
34	116-4037-03	1	Bracket-Tank Shield

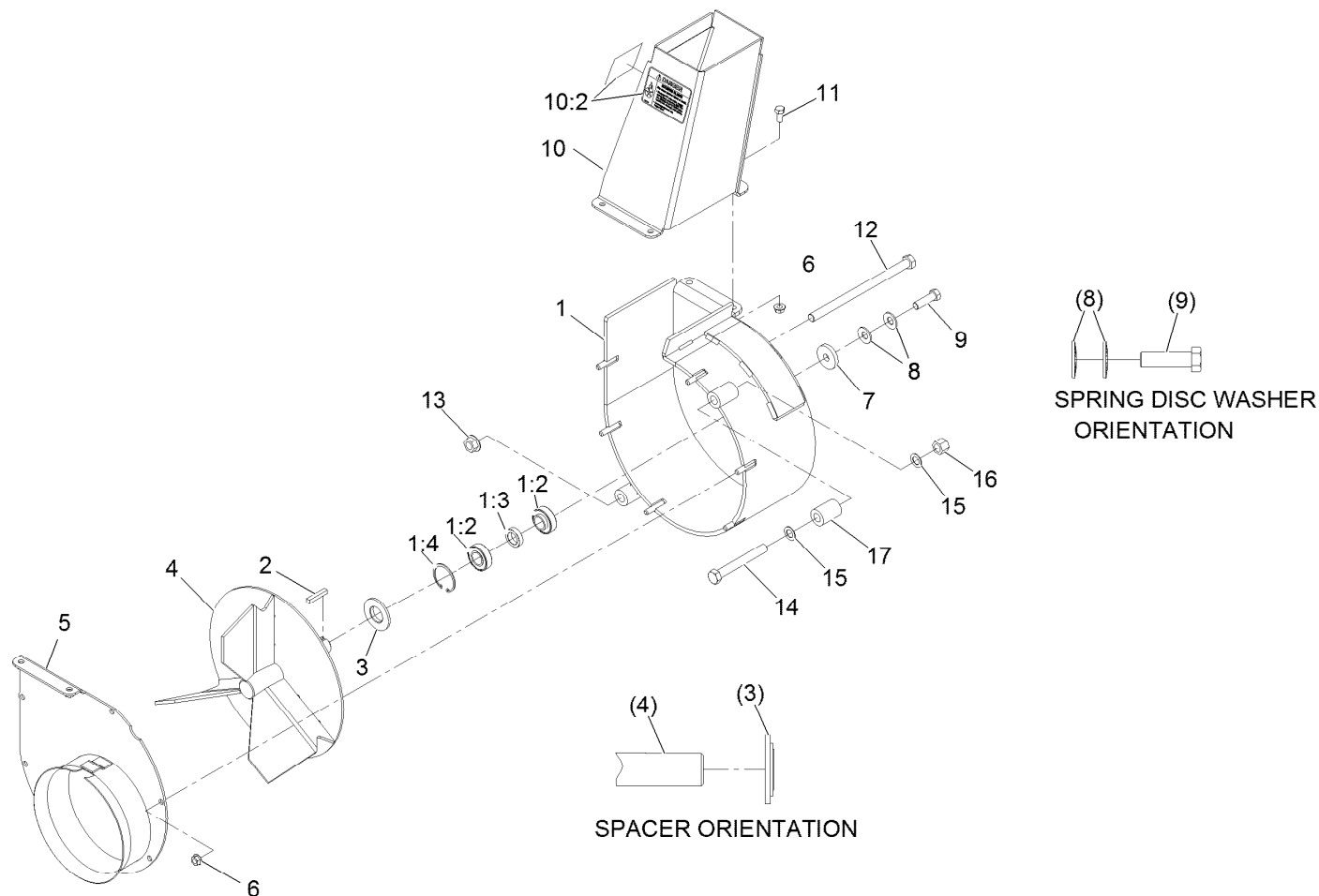
● Use Pro-Lock, Nut Type (P/N 1-840022, .5ml tube) on threads.

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



Blower Assembly

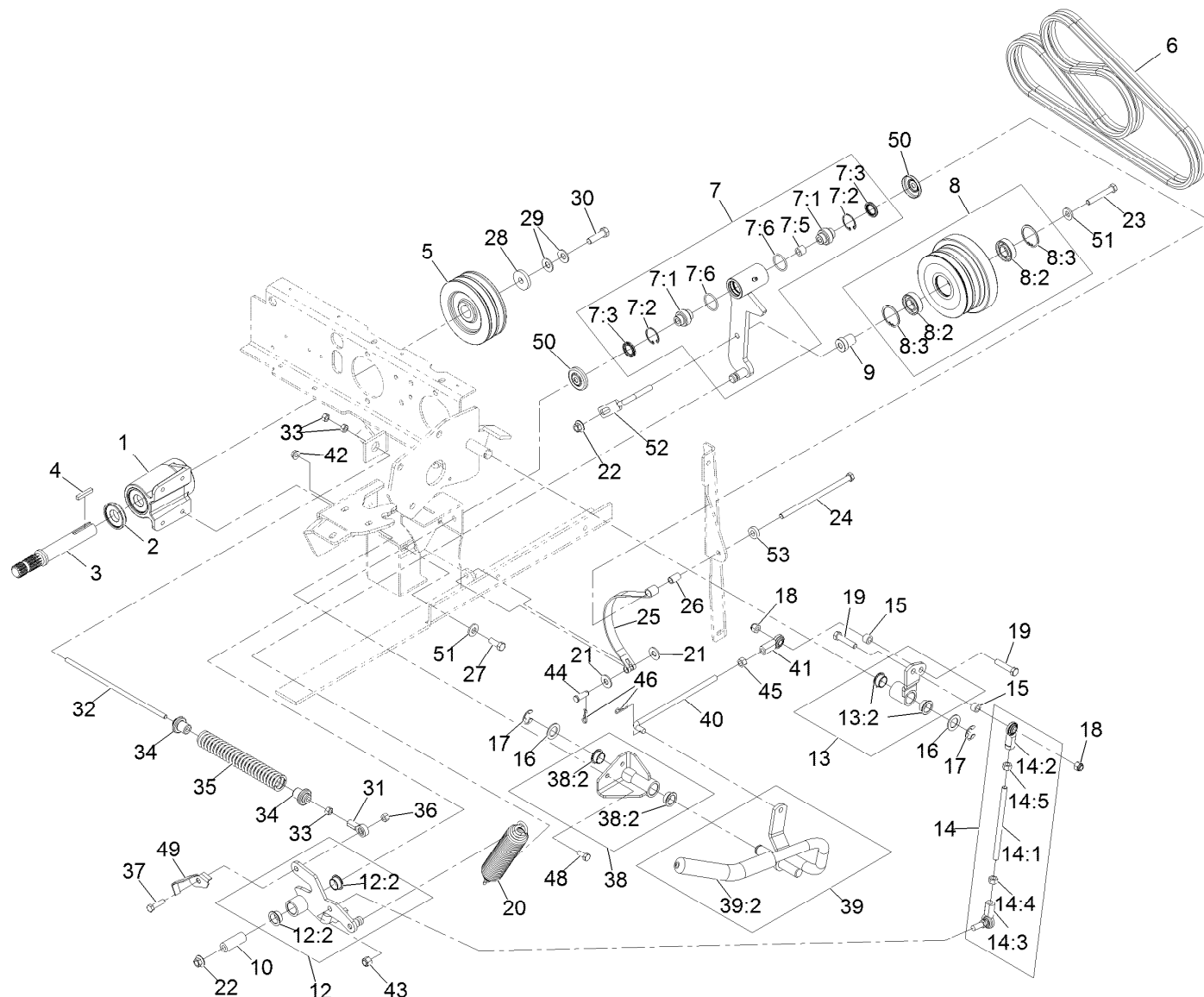
Ref.	Part Number	Qty.	Description
1	116-9649	1	Blower Complete ASM
2	103-6733	1	Sheave, Blower
3	321-6	2	Screw-HH 1/4-20 X 1
4	3256-22	4	Washer-1/4 Sae
5	3296-42	2	Nut-Nyloc 1/4-20
6	103-9167-03	1	Wld, Guide
7	323-4	1	Screw-HH 3/8-16 X 3/4
8	3256-24	1	Washer-3/8 Sae



Complete Blower Assembly No. 116-9649

Ref.	Part Number	Qty.	Description
1	116-9648	1	Housing W/Bearings 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	Wld, Impeller
5	103-3370-03	1	Wld, Blower Cover Assembly
6	32128-20	10	Nut-Whizlock 5/16-18
7	1-543610	1	Washer

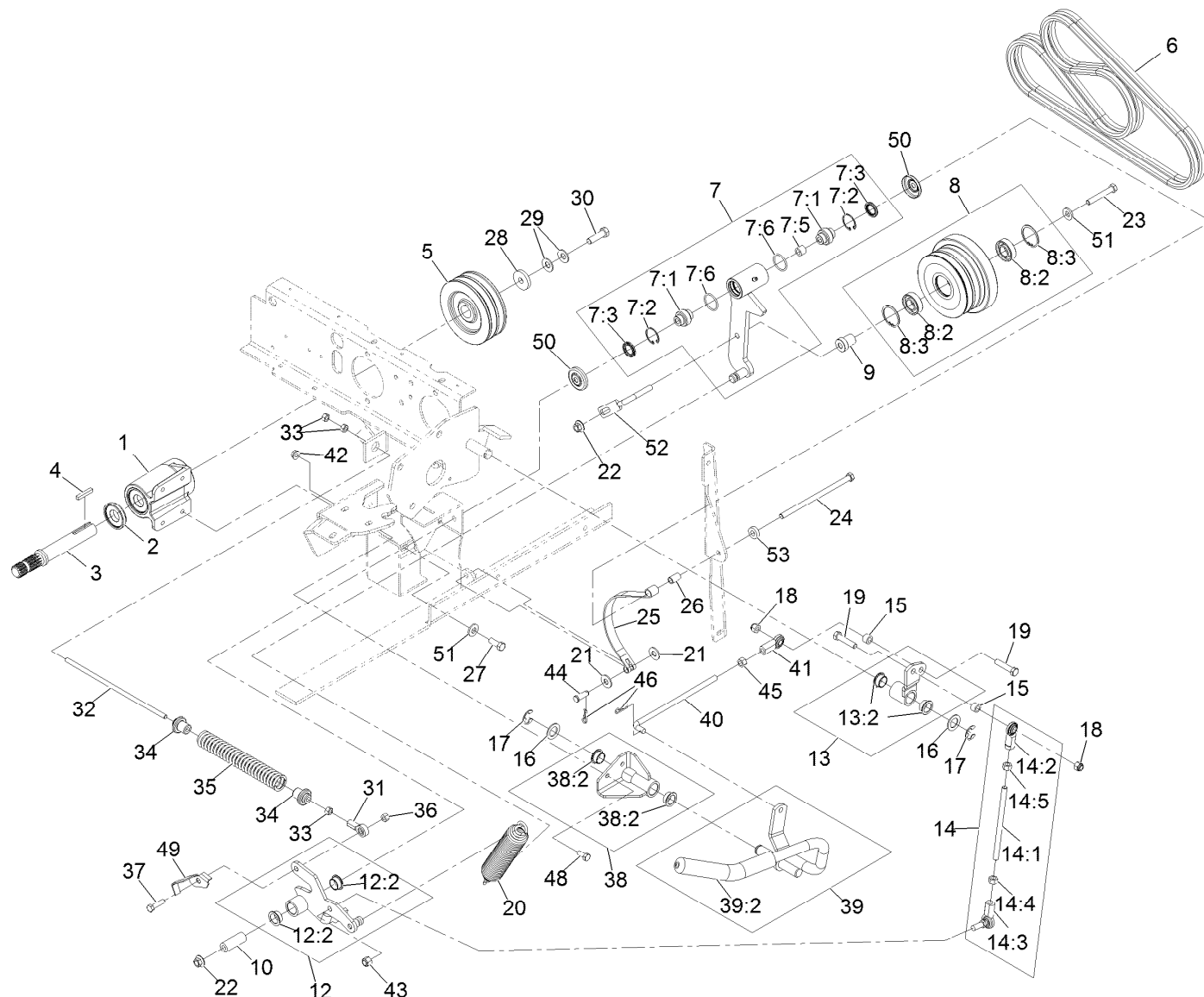
Ref.	Part Number	Qty.	Description
8	1-603610	2	Washer-Spring Disc 7/16
9	3212-6	1	Screw-HH 7/16-20 X 1 1/2
10	103-9474	1	Asm, Discharge Chute W/Decal
10:2	109-7318	2	Decal, Danger
11	322-3	4	Screw-HH 5/16-18 X 3/4
12	325-42	1	Screw-HH 1/2-13 X 8
13	32128-23	1	Nut-Hex 1/2-13 Side Lock
14	325-17	1	Screw-HH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

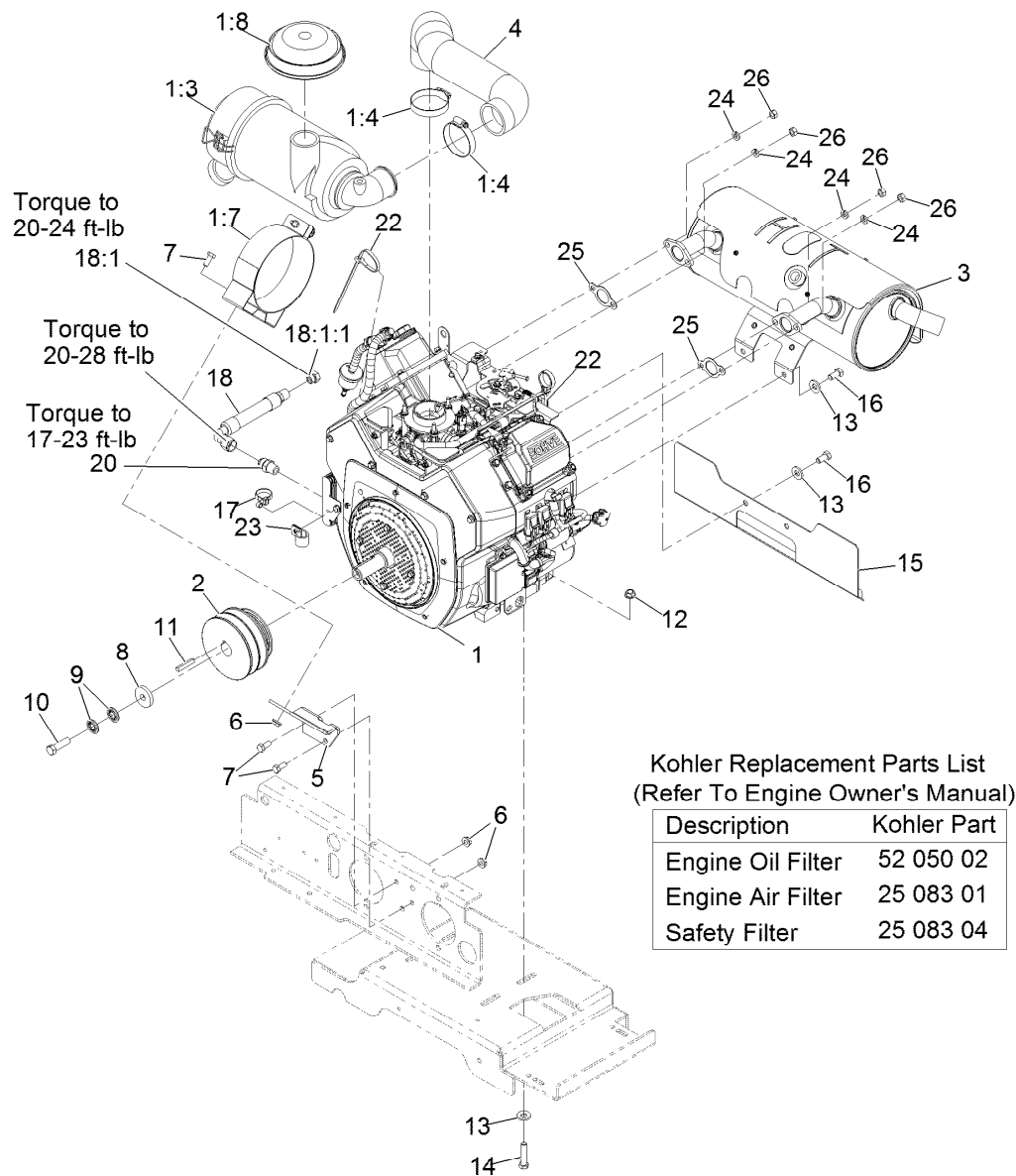
Ref.	Part Number	Qty.	Description
1	103-2544	1	Jackshaft ASM
2	103-2535	1	Spacer-Guard Bottom
3	103-6735	1	Jackshaft
4	67-7490	1	Key-Machine 1/4 X 1/4 X 1 1/2
5	103-6732	1	Sheave
6	103-6737	1	Belt, Matched Pair
7	103-8253	1	Asm, Idler Pivot
7:1	103-3504	2	Bearing-Spherical
7:2	32120-10	2	Ring-Snap
7:3	103-3506	2	Seal-Single Lip
7:5	1-413088	1	Bushing-Lever, Lift
7:6	106-7159	2	O-Ring
8	103-9439	1	Asm, Idler Sheave
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	Asm, Arm W/Bushing
12:2	108519	2	Bushing-Bronze
13	103-9297	1	Asm, Arm W/Bushing

Ref.	Part Number	Qty.	Description
13:2	108519	2	Bushing-Bronze
14	103-7392	1	Asm, Link Clutching
14:1	103-7393	1	Linkage, Rod
14:2	103-1167	1	Joint-Ball End, LH
14:3	103-7994	1	Balljoint
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	Ref.	Part Number	Qty.	Description
29	1-603610	2	Washer-Spring Disc 7/16	40	103-8277	1	Link, Handle
30	3212-6	1	Screw-HH 7/16-20 X 1 1/2	41	103-0608	1	Balljoint
31	1-543017	1	Balljoint	42	32128-20	2	Nut-Whizlock 5/16-18
32	103-7996	1	Linkage, PTO Brake Rod	43	3296-6	1	Nut-Nyloc 3/8-24
33	3219-2	3	Nut-Hex 5/16-24	44	283-2	1	Pin-Clevis 3/8 X 1 1/6
34	103-8254	2	Bushing, Spring	45	3219-3	1	Nut-Hex 3/8-24
35	103-7997	1	Spring, Brake	46	1-806003	2	Hairpin-Cotter
36	3296-29	1	Nut-Nyloc 5/16-18	48	322-3	2	Screw-HH 5/16-18 X 3/4
37	322-6	1	Screw-HH 5/16-18 X 1 1/4	49	103-8716-03	1	Flag, Switch
38	103-9295	1	Asm, Pivot W/Bushing	50	103-2916	2	Guard-Top
38:2	108519	2	Bushing-Bronze	51	98-5975	5	Washer-Spring Disc 3/8
39	103-9486	1	Asm, PTO Handle W/Grip	52	109-5491	1	Belt, Guide
39:2	103-8153	1	Grip-Lever, Control	53	5-0652	1	Spacer



Engine Assembly

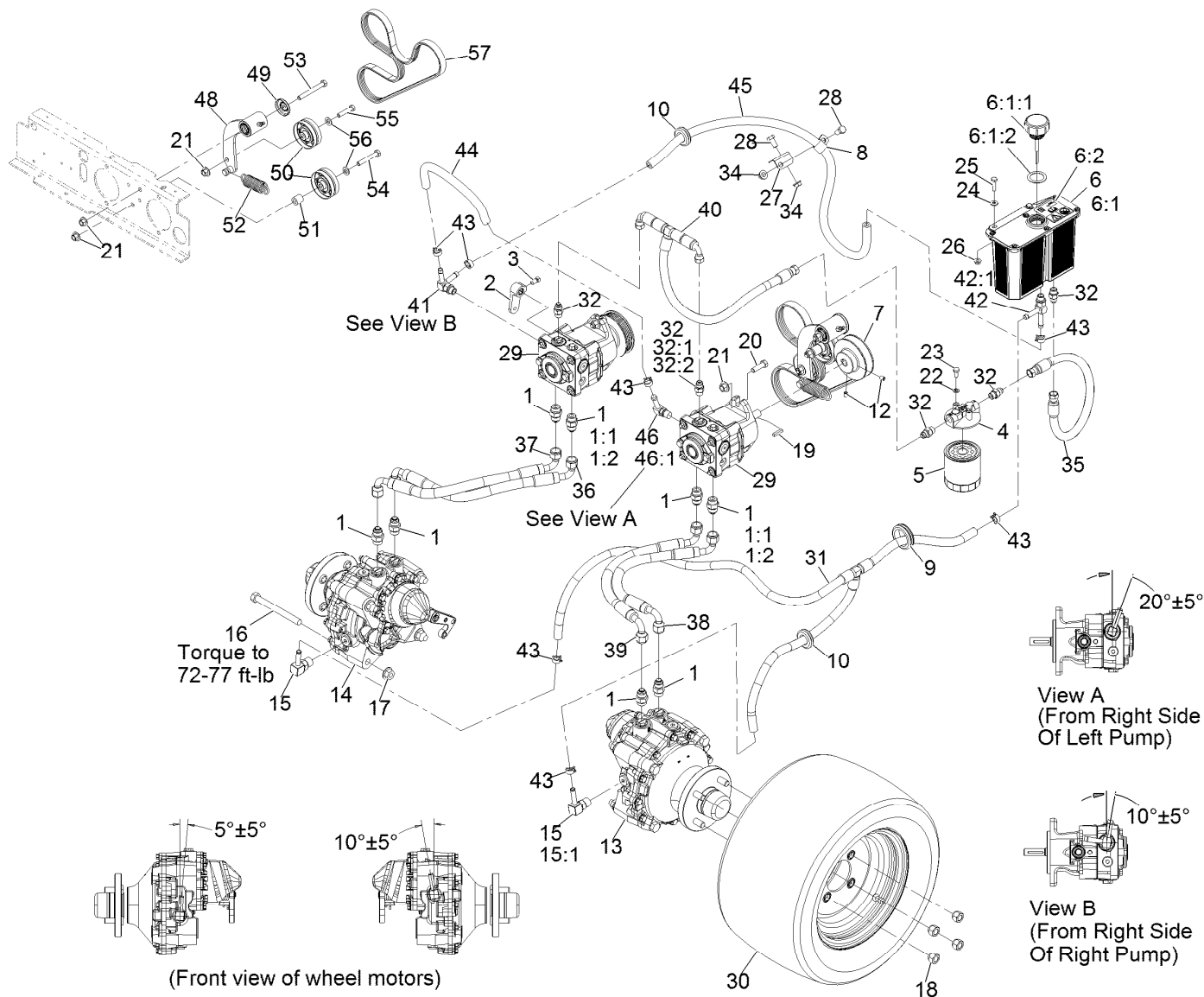
Ref.	Part Number	Qty.	Description
1		1	ASM-Engine 640Kc●
1:3	103-8569	1	Air Cleaner, Canister Nav
1:4	2412-42	2	Clamp-Hose
1:7	103-1058	1	Bracket-Filter, Air
1:8	100-2436	1	Asm-Hood Air Intake W/Clamp
2	103-6731	1	Sheave, Engine
3	103-7444	1	Muffler
4	103-6961	1	Hose, Air Intake
5	103-3695-03	1	Bracket, Air Filter
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

Ref.	Part Number	Qty.	Description
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	ASM-Oil Drain Hose W/Plug
18:1	353-508	1	Plug-W/O-Ring
18:1:1	237-42	1	O-Ring
20	116-1455	1	Fitting-,Straight■
22	1-303335	3	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.

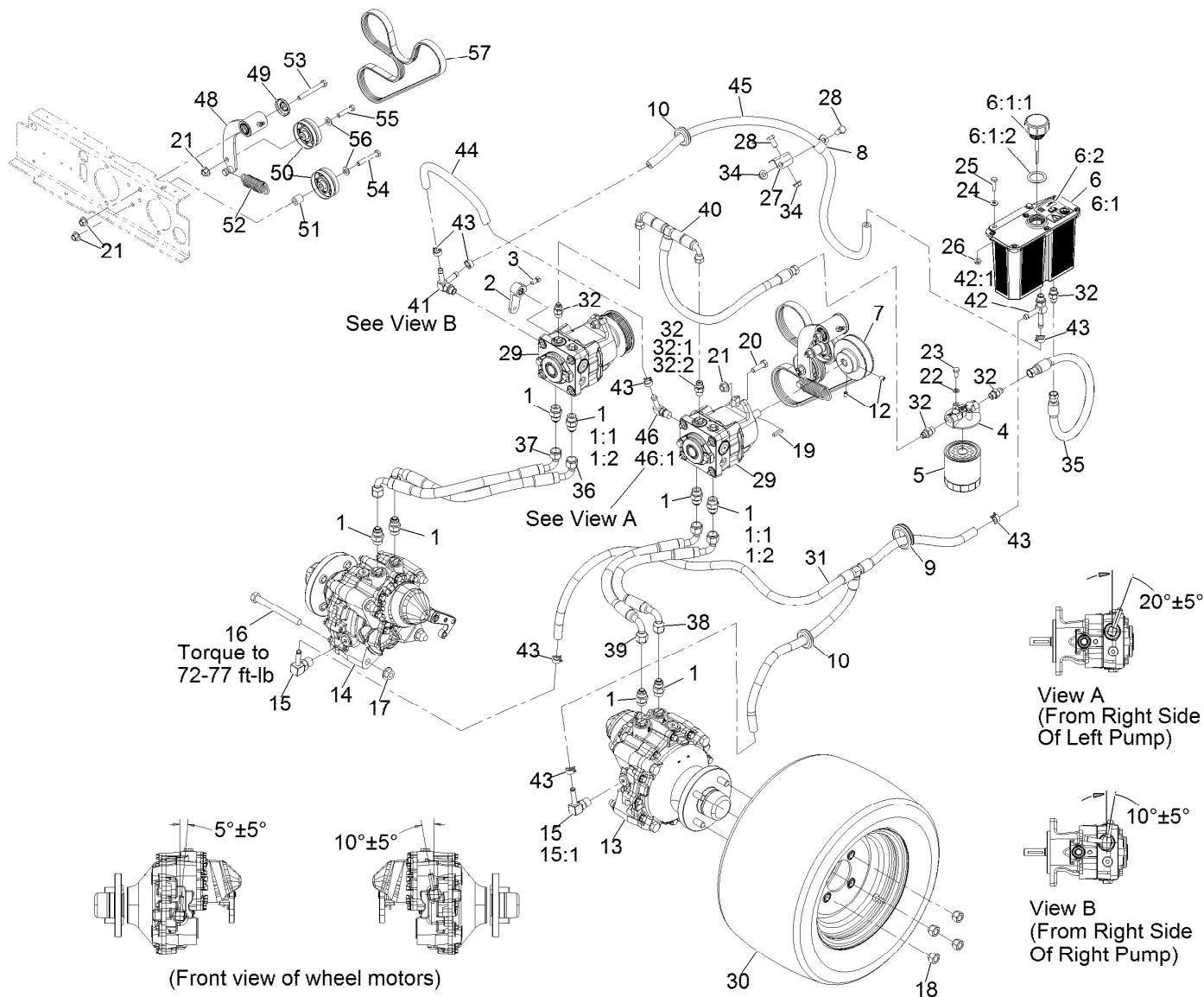


Hydraulic Assembly

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 W/Decal
6:1		1	Reservoir-HYD ●
6:1:1	116-9273	1	Cap-Reservoir, W/Gasket 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

Ref.	Part Number	Qty.	Description
13	116-7401	1	Motor-HYD H-Series, LH
14	116-7402	1	Motor-HYD H-Series, RH
15	354-134	2	Fitting-HYD, 90 DEG
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	Pump-Hydro, 12Cc N-Type Nav Cs

● Not serviced separately

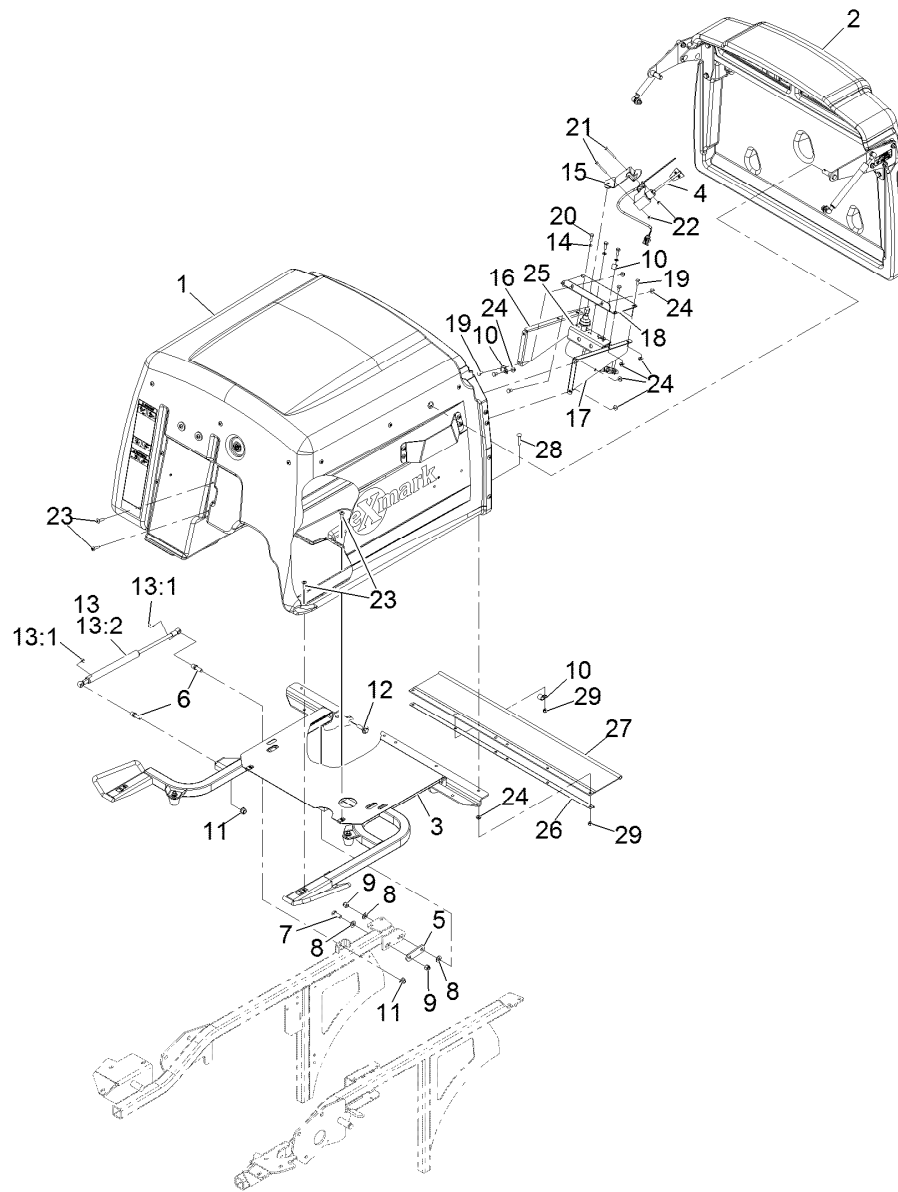


Hydraulic Assembly (continued)

Ref.	Part Number	Qty.	Description
30	116-5634	2	ASM-Tire And Wheel 18X10.5-10
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	109-1258	1	Hose, Hydraulic
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	Hose, Hydraulic
41	103-5469	1	Adapter-Tee Special
42	103-1828	1	Adapter-Running Tee
42:1	237-42	1	O-Ring

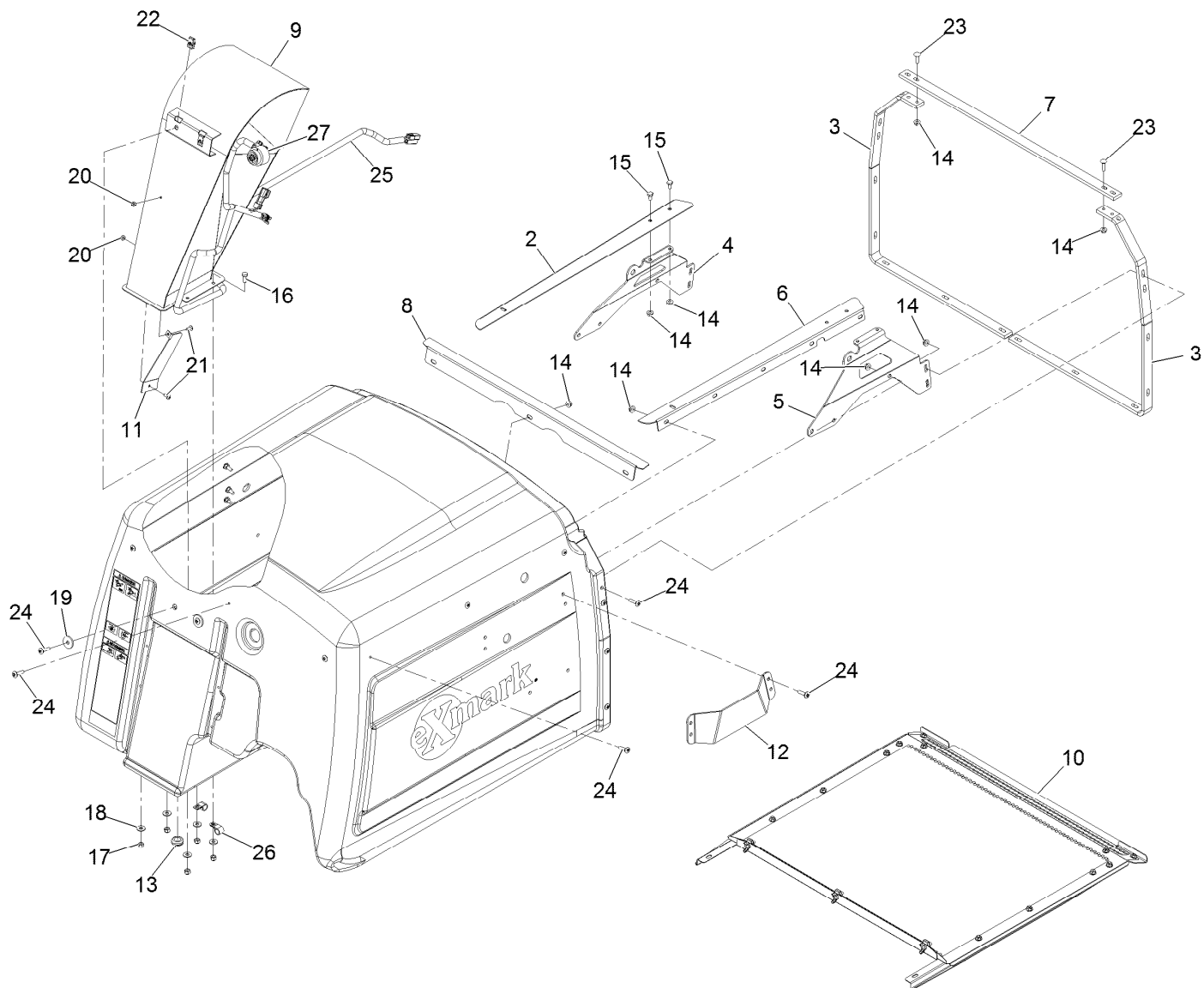
Ref.	Part Number	Qty.	Description
43	103-1988	7	Clamp-Hose 11/16
44	103-5452	1	Hose, Hydraulic
45	103-5477	1	Hose, Hydraulic
46	100-4887	1	Fitting-Barbed, 90 DEG
46:1	237-42	1	O-Ring
48	103-7349	1	Asm, Short Idler
49	103-2916	1	Guard-Top
50	116-6361	2	Pulley
51	106-5574	1	Spacer-Mounting, Steering
52	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

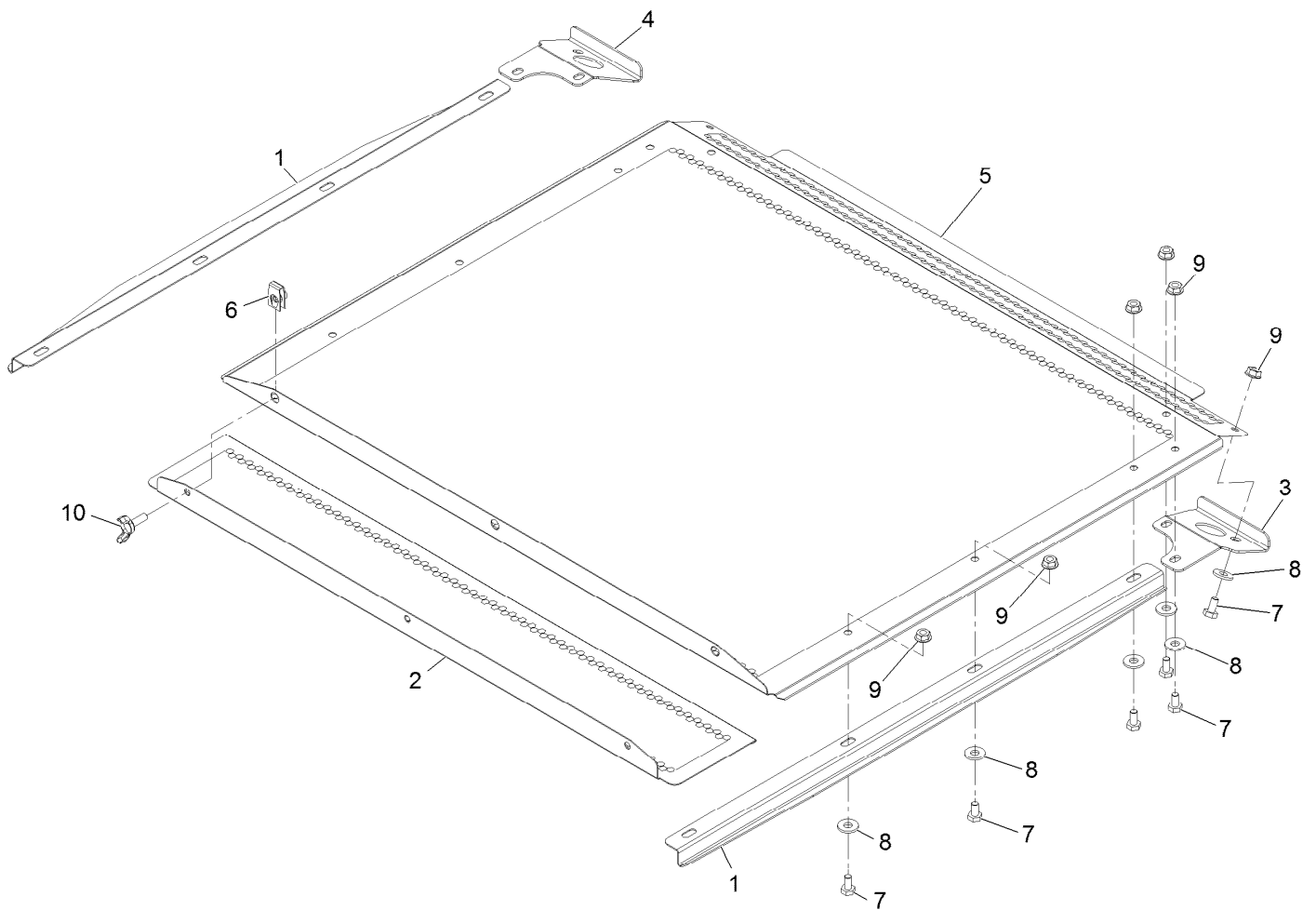
Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	103-9457	1	Asm, Hopper	15	109-3648	1	Wld, Switch Mount
2	103-9456	1	Asm, Door Hopper	16	103-6067-03	1	Bracket, Motor (LH)
3	109-4086	1	Asm, Hopper Frame	17	103-6068-03	1	Bracket, Motor (RH)
4	103-9466	1	Asm, Fill Sensor	18	103-7085-03	1	Plate, Switch
5	1-633068	2	Arm-Lift, Deck	19	321-2	7	Screw-HH
6	103-5426	2	Stud, Ball 13Mm	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	Kit, Damper W/Clips	27	103-6025	1	Shield, Trailing
13:1	103-8325	2	Clip, Retainer-13Mm	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

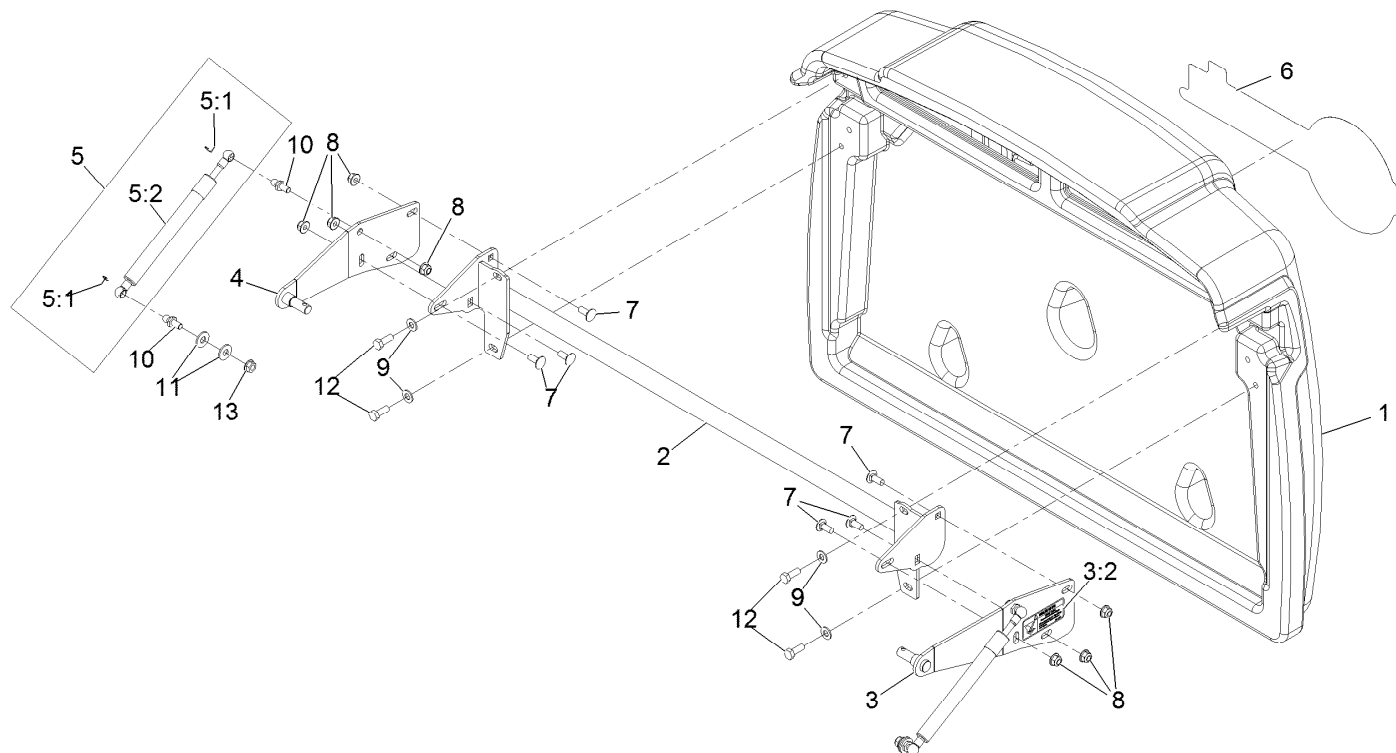
Ref.	Part Number	Qty.	Description
2	103-5736-03	1	Channel, Screen (RH)
3	103-5045-03	2	Brace, Side
4	103-5751-03	1	Panel, Hinge (RH)
5	103-5749-03	1	Panel, Hinge (LH)
6	103-5774-03	1	Channel, Screen (LH)
7	103-5772-03	1	Brace, Top
8	103-7035-03	1	Channel, Screen Front
9	109-3650-03	1	Wld, Diffuser
10	109-0717	1	Asm, Hopper Screen
11	103-8680	1	Deflector, Discharge Chute
12	109-4019	2	Guard, Damper
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

Ref.	Part Number	Qty.	Description
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, Hopper Wire
26	1-513762	2	Clip-Loom 1/2
27	103-0205	1	Alarm-Tone, Dual



Hopper Screen Assembly No. 109-0717

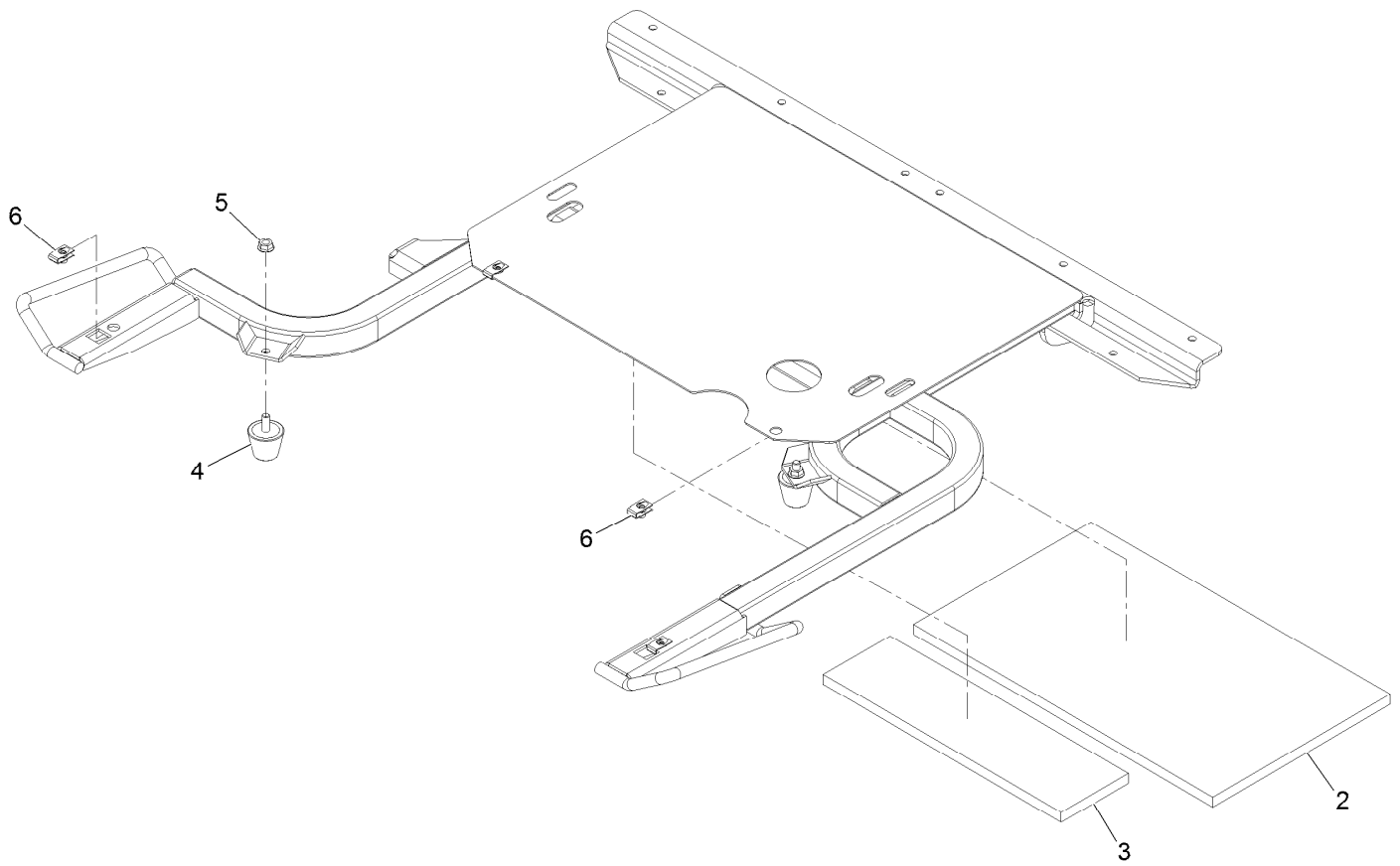
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	103-8203-03	2	Guide, Screen
2	103-7048-03	1	Panel, Screen Extend
3	103-7098-03	1	Handle, Screen (LH)
4	103-7099-03	1	Handle, Screen (RH)
5	103-5745-03	1	Panel, Hopper Screen
6	107069	3	Nut-Retainer-Panel 1/4-20
7	321-2	12	Screw-HH 1/4-20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



Hopper Door Assembly No. 103-9456

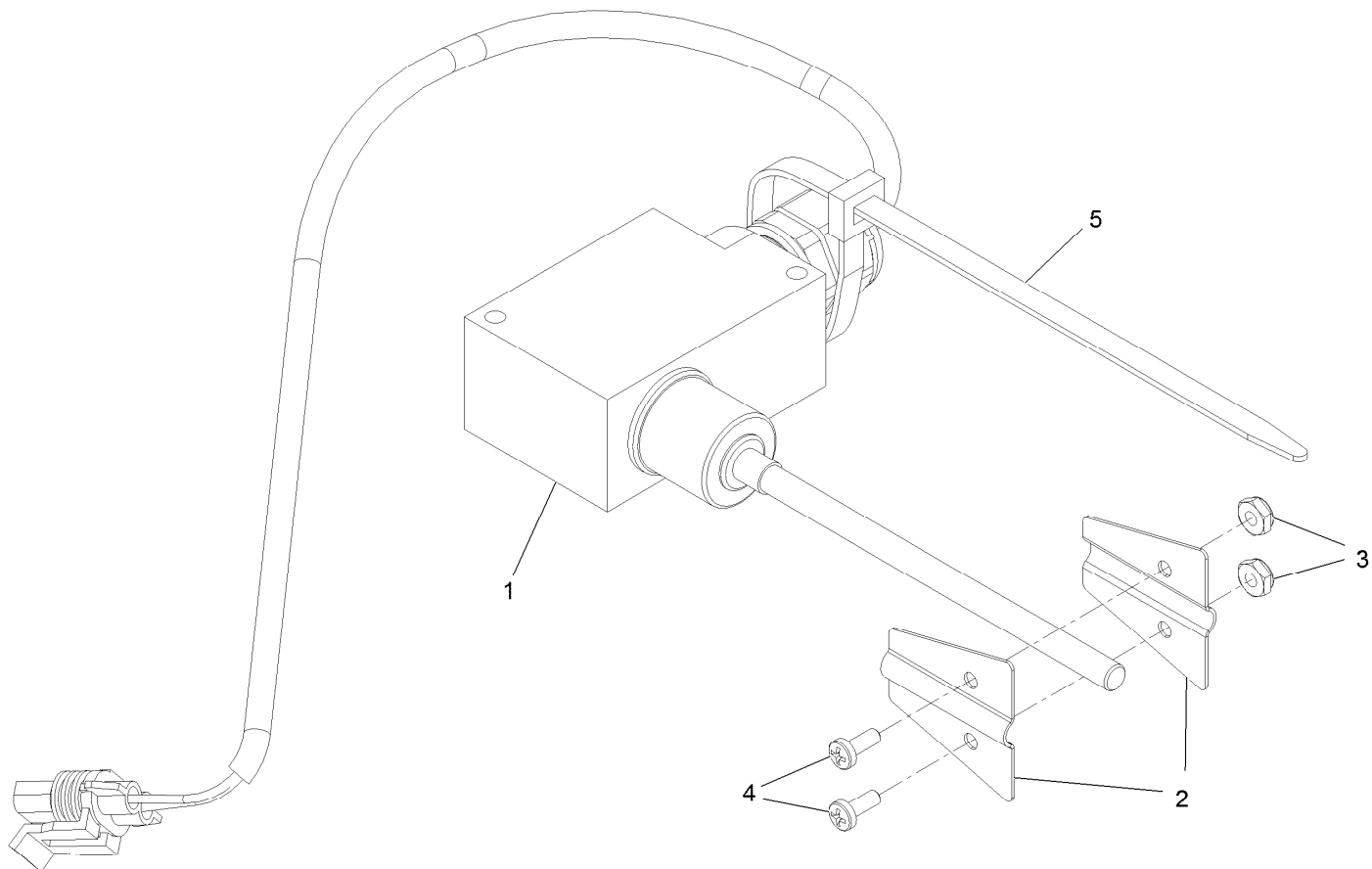
Ref.	Part Number	Qty.	Description
1	109-3955	1	Door, 9.5 Bushel Hopper
2	109-4153-03	1	Wld, Door Support
3	109-4253	1	Asm, Door Pivot W/Decal (LH)
3:2	103-8444	1	Decal, Pinch Point
4	109-4254	1	Wld, Door Pivot W/Decal (RH)
5	109-0715	2	Kit, Damper W/Clips
5:1	103-8324	2	Clip-Retainer-10Mm
5:2	103-5746	1	Shock, Gas Tension

Ref.	Part Number	Qty.	Description
6	103-6024	1	Decal, Exmark Logo
7	3230-23	6	Bolt-Carriage 5/16-18 X 3/4 Short Neck
8	104-8300	8	Nut-Nyloc 5/16-18 Flg
9	3256-23	4	Washer-5/16 Sae
10	103-5752	4	Stud-Ball 10Mm
11	3256-3	4	Washer-5/16 Std
12	322-4	4	Screw-HH 5/16-18 X 7/8
13	32128-20	2	Nut-Whizlock 5/16-18



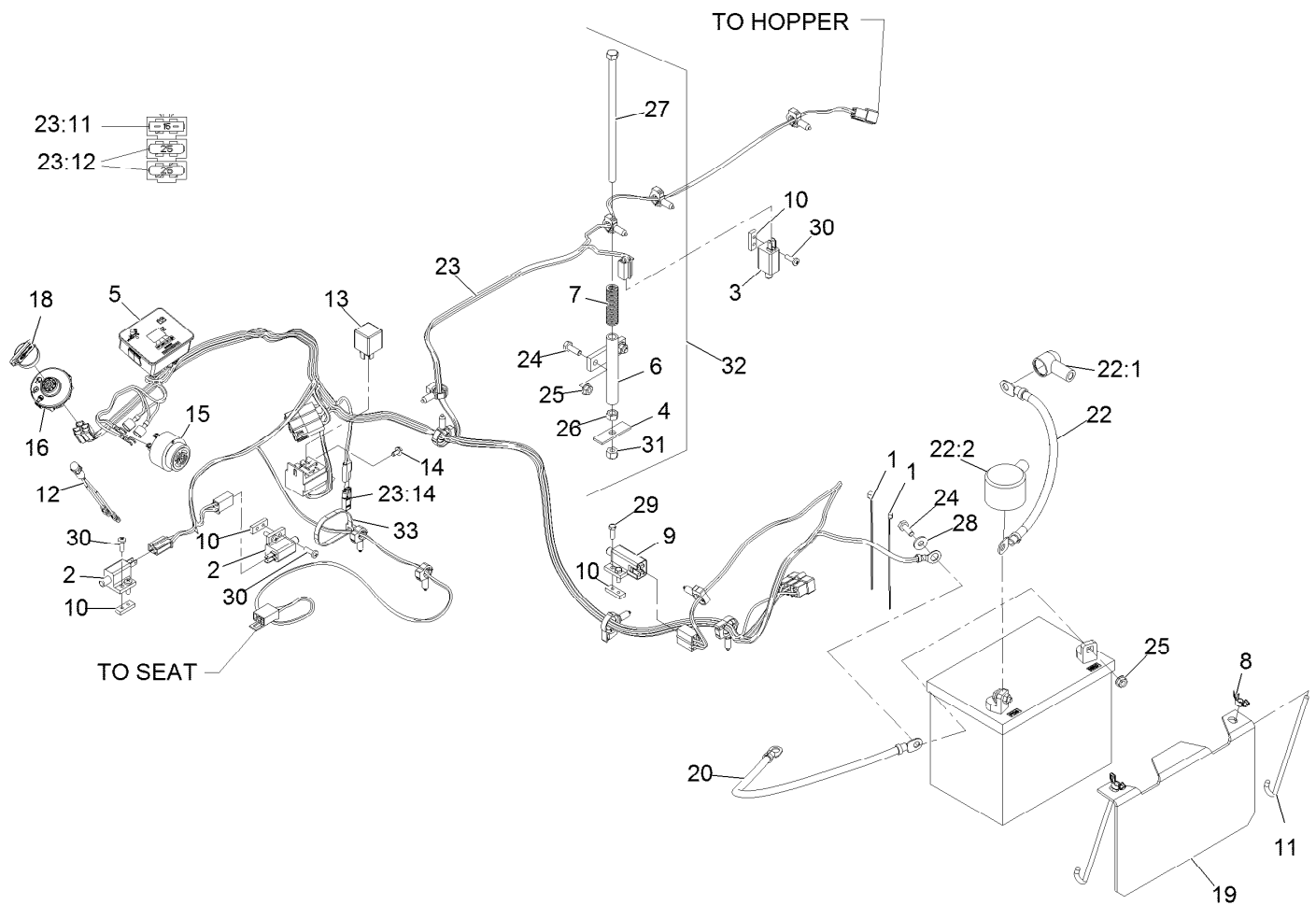
Hopper Frame Assembly No. 109-4086

<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
5	32128-20	2	Nut-Whizlock 5/16-18
6	107069	4	Nut-Retainer-Panel 1/4-20



Fill Sensor Assembly No. 103-9466

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



Electrical Assembly

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	1-303287	2	Tie-Cable 5 1/2 (Small)	22	116-4730	1	Cable-Battery Positive
2	1-513051	2	Switch-N.O.	22:1	1-543393	1	Insulator-Solenoid
3	1-513152	1	Switch-N.C.	22:2	109-2407	1	Insulator-Battery
4	1-513180	1	Plate-Switch, Seat	23	116-9114	1	Harness-Wiring Navigator ●
5	116-8812	1	Navigator Hour Meter ASM	23:11	109355	1	Fuse-Blade, 15 Amp
6	1-522424-03	1	Mount-Spring, Seat	23:12	109102	2	Fuse-Blade, 25 Amp
7	1-523415	1	Spring	23:14	116-0053	1	Cap-Plug
8	1-543792	2	Wingnut-Nyloc 1/4-20	24	321-4	4	Screw-HH 1/4-20 X 3/4
9	1-633111	1	Switch	25	32128-33	4	Nut-Whizlock 1/4-20
10	1-633181	4	Plate-Tapped	26	3217-6	1	Nut-Hex 5/16-18
11	1-633651	2	Bolt-Holddown	27	322-50	1	Screw-HH 5/16-18 X 7 1/2
12	1-643267	1	Indicator-Red Led	28	3256-2	2	Washer-1/4 Std
13	1-643275	1	Relay-12Vdc 40 Amp	29	3290-134	2	Screw-HH Machine 10-24 X 5/8
14	104-2065	1	Screw-HWH #10-24 X 3/8	30	3290-500	6	Screw-PPH #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	Asm, Hopper Switch Actuator
18	103-2106	1	Key-Exmark Logo	33	1-303335	1	Tie-Cable 7 15/16 (Large)
19	103-4161-03	1	Hold Down, Battery				
20	103-8355	1	Cable-Ground(-)				

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

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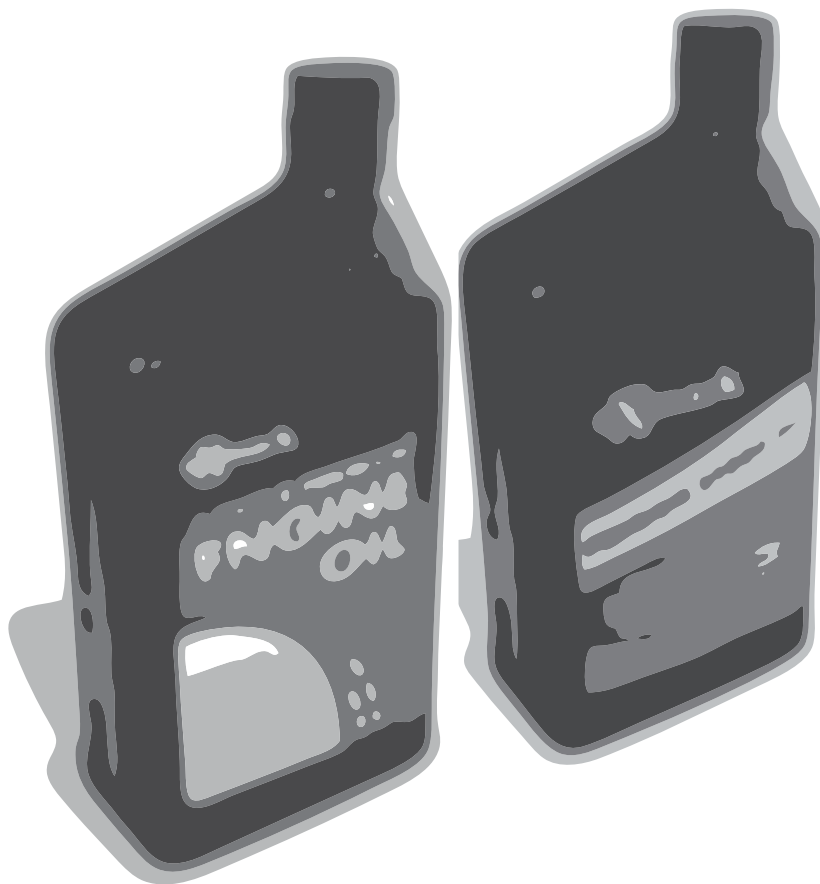
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HITCH KIT	TURF STRIPER
LIGHT KIT	ULTRA VAC COLLECTION SYSTEM
12V POWER PORT	ULTRA VAC QUICK DISPOSAL SYSTEM
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HITCH KIT	TRASH CONTAINER
LIGHT KIT	ULTRA VAC COLLECTION SYSTEM
MICRO-MULCH SYSTEM	ULTRA VAC QUICK DISPOSAL SYSTEM
ROLL OVER PROTECTION SYSTEM (ROPS)	WEATHER CAB

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*Some accessories and options not available for some models.

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