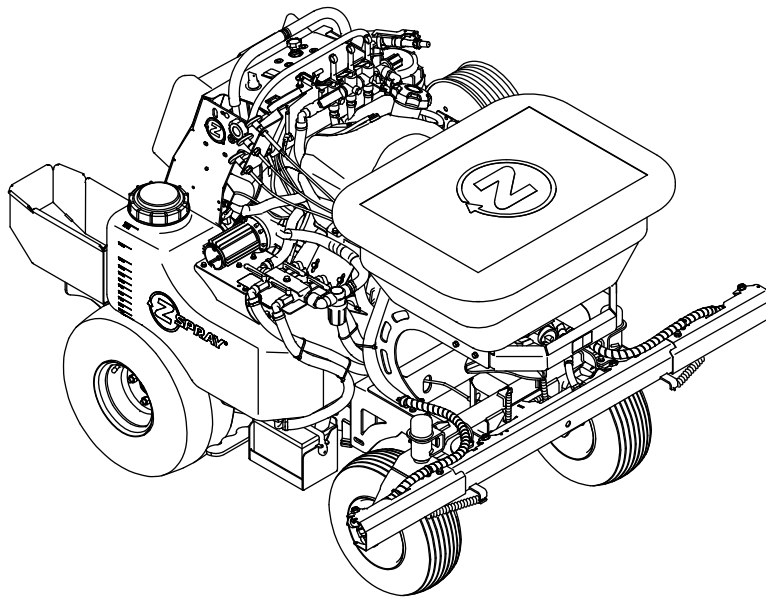




Z-SPRAY®

Model No. ZS4230—Serial No. 408644346 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

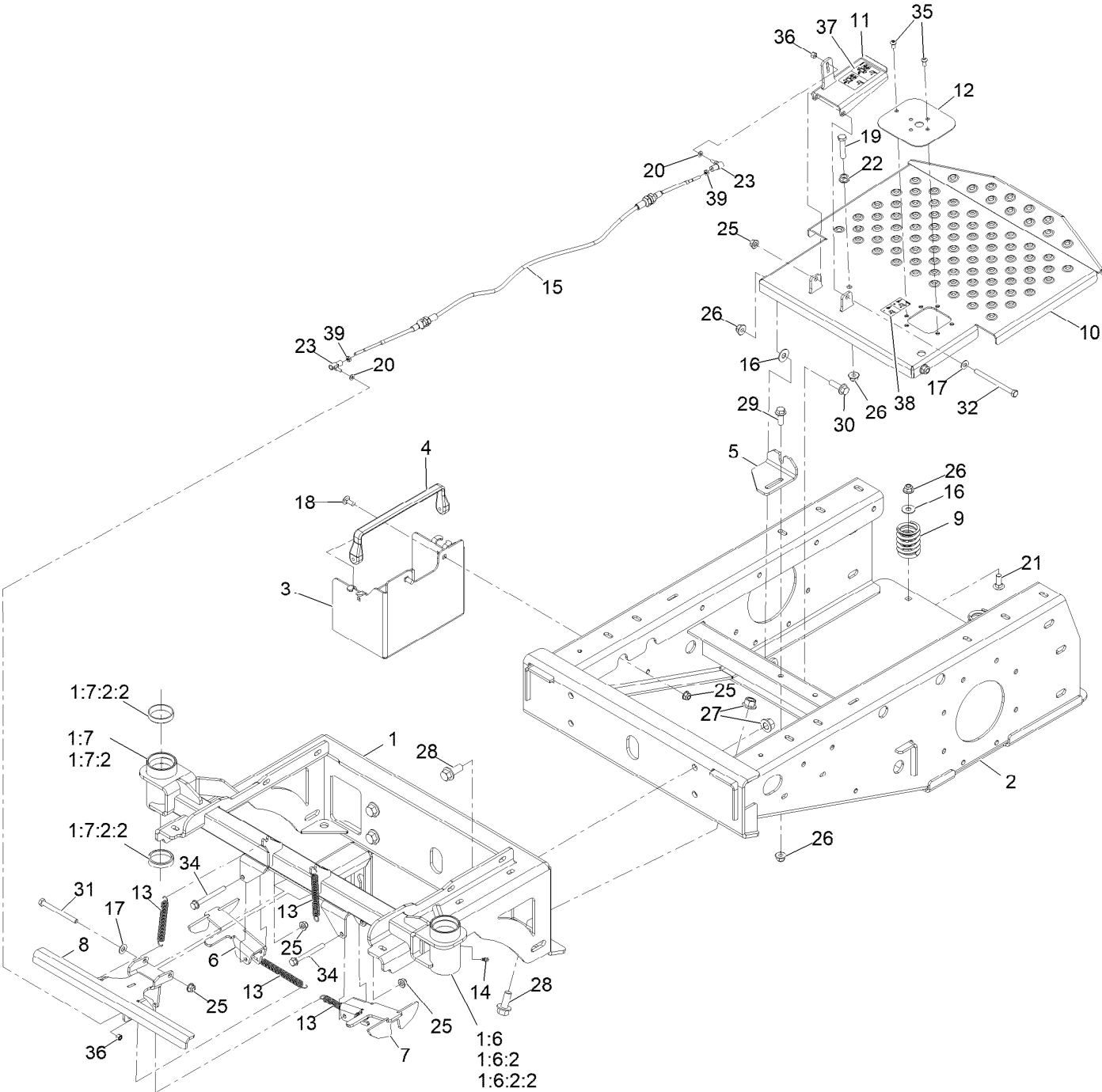
In an illustration, if a reference number indicates more than one part, the reference number has the form nX y. The n represents the quantity of the part, the X is the multiplication symbol, and the y represents the reference number.

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

Contents

- Main Frame Assembly 4
- Motion Control Assembly 6
- Park Brake Assembly 8
- Tire and Wheel Assembly 10
- Hopper Assembly 12
- Spray Assembly 14
- Left Tank Assembly 16
- Reel Hose Assembly 18
- Manifold Assembly 20
- Boom Assembly 22
- Liquid Valve Assembly 24
- Fuel Assembly 26
- Fuel Tank Assembly No. 140-4343 28
- Engine Assembly 30
- Hydraulic Assembly 32
- Electrical Assembly 34

Main Frame Assembly

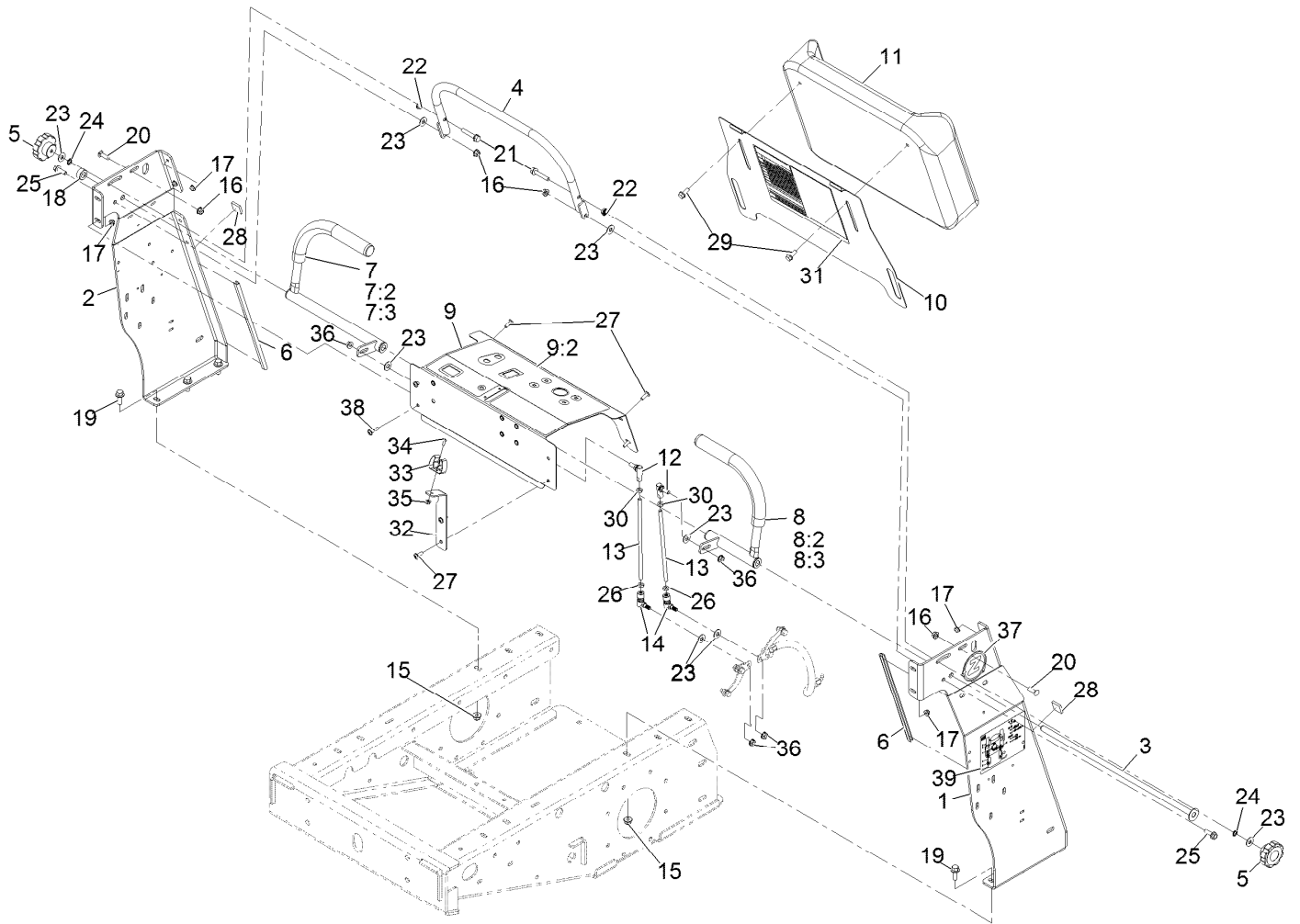


Main Frame Assembly (continued)

<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	135-5179	1	Frame-Front	21	126-0980	3	Bolt-Carriage 3/8-16 X 1 SS
1:6		1	Tube-Caster, Lt ●	22	135-6806	1	Nut-Hex Flange 3/8-16
1:6:2		1	Tube-Caster, W/Cup ●				Serrated SS
1:6:2:2	254-72	2	Bearing-Cup, Tapered	23	135-5682	2	Ball Joint-SS
1:7		1	Tube-Caster, Rt ●	25	135-6109	6	Nut-Hex Flg 5/16-18 Nyloc
1:7:2		1	Tube-Caster, W/Cup ●				SS
1:7:2:2	254-72	2	Bearing-Cup, Tapered	26	135-6110	7	Nut-Hex Flg 3/8-16 SS
2	135-5171	1	Frame-Rear				W/Patch SS
3	142-3038	1	Box-Battery	27	135-6111	6	Nut-Hex Flg 3/8-16 SS
4	142-1748	1	Strap, Tarp				W/Patch SS
5	135-5494	1	Bracket-Cable, Lower	28	135-6207	6	Screw-HHF 5/16-18 X 1 1/4
6	135-5195	1	Wing-Capture, Rt				SS
7	135-5194	1	Wing-Capture, Lt	29	135-6208	1	Screw-HHF 3/8-16 X 1
8	135-5369	1	Capture-Lcs				Serrated SS
9	135-5654	3	Spring-Compression	30	135-6211	2	Screw-HHF 3/8-16 X 1 1/4
10	135-7502	1	Plate-Foot				Serrated SS
11	135-5191	1	Pedal-Foot	31	135-6217	1	Screw-HH 5/16-18 X 3 1/2
12	135-5561	1	Panel-Switch, Foot				SS
13	135-5652	4	Spring-Extension	32	135-6218	1	Screw-HH 5/16-18 X 4 SS
14	302-63	2	Zerk	34	135-6222	2	Screw-HHF 5/16-18 X 3
15	135-5644	1	Cable-Caster, Locking				Serrated SS
16	1126	5	Washer-Flat	35	135-6367	2	Screw-Button Head 1/4-20
17	107-0279	2	Washer				X 1/2 SS
18	126-0695	2	Screw-Carriage 5/16-18 X	36	HDW05856	2	Nut-Hex Nyl Ins #10-32 Unf
			3/4 SS	37	135-6430	1	Decal-Lock, Caster
19	126-0710	1	Screw-HHF 3/8-16 X 1.75	38	135-6728	1	Decal-Button, Foot (Spray)
			SS	39	520-0019	2	Nut-Hex Jam #10-32 Unf
20	126-0759	2	Washer-Flat				

● Not serviced separately

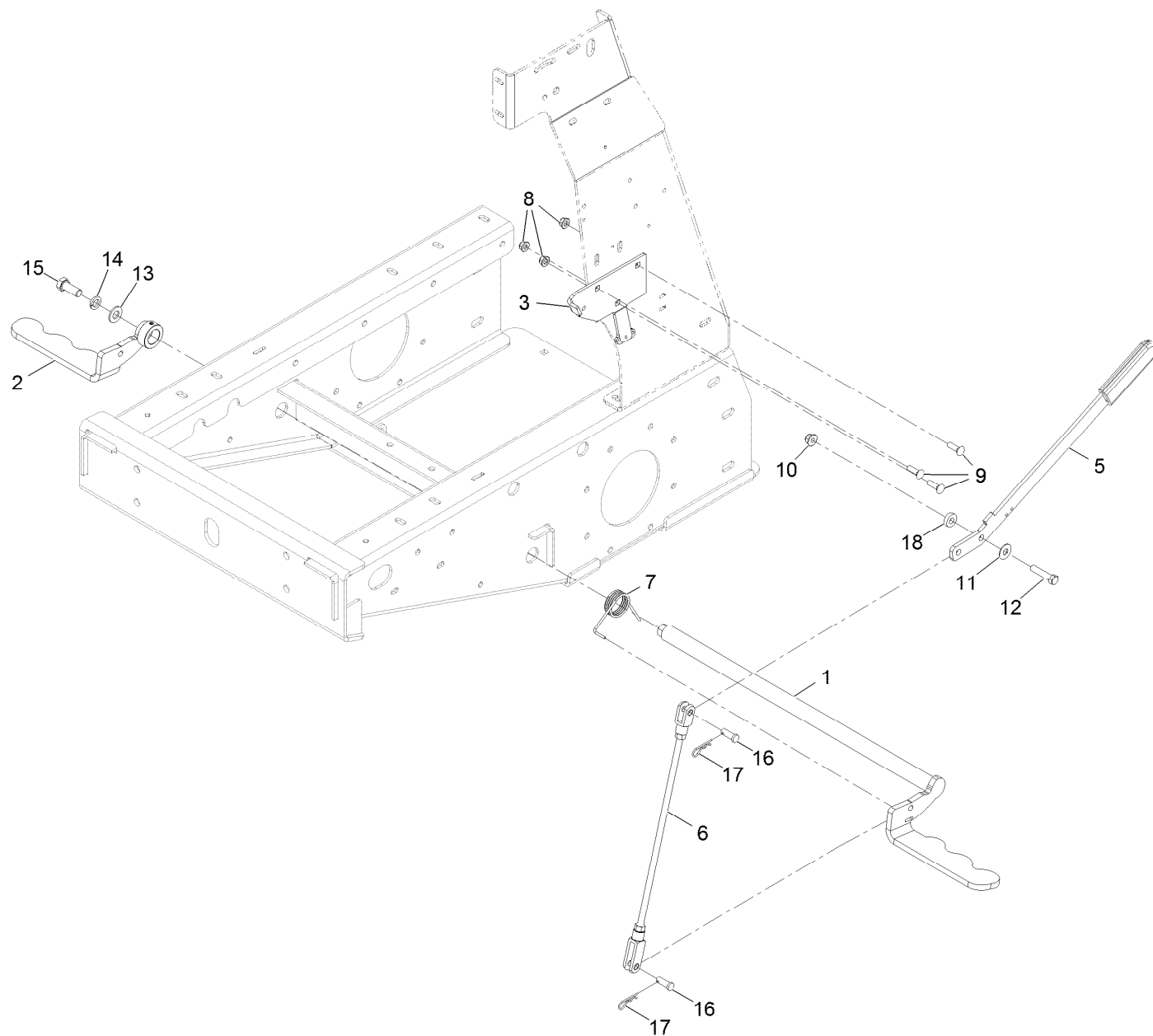
Motion Control Assembly



Motion 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	135-5423-05	1	Upright-Tower, Lt [blk-Txt]	21	135-5779	2	Screw-HHF 5/16-18 X 1 3/4
2	135-5425-05	1	Upright-Tower, Rt [blk-Txt]				Serrated SS
3	135-5430	1	Rod-Pivot, Joy Stick	22	118-1722	2	Nut-Hex Flange 5/16-18
4	135-5427-05	1	Bar-Speed [blk-Txt]				Serrated SS
5	135-5689	2	Knob-Fluted	23	HDW14535	8	Washer-Flat 5/16 SS
6	135-5336	2	Strip-Trim, 12.0 Inch	24	135-6286	2	Washer-Lock
7	135-5738	1	Stick-Joy, Rt	25	135-6272	2	Screw-HHF 5/16-18 X 1
7:2	1-633257	1	Grip-Control, Motion				Serrated SS
7:3	135-5694	2	Bushing-Flange	26	107-0282	2	Nut-Hex 5/16-24 Jam SS
8	135-5739	1	Stick-Joy, Lt	27	135-7080	6	Screw-Button Head Flange
8:2	1-633257	1	Grip-Control, Motion				1/4-20 X 3/4 SS
8:3	135-5694	2	Bushing-Flange	28	93-9155	2	Velcro
9	142-3142	1	ASM-Panel, Control	29	126-2712	2	Screw-HHF 5/16-18 X 3/4
9:2	142-4183	1	Decal-Control Panel				Serrated SS
10	135-5498-05	1	Plate-Pad, Knee	30	135-6512	2	Nut-Hex 5/16-24 Jam SS LH
11	142-3165	1	Pad-Knee, Z-Logo	31	142-4373	1	Decal-Spray Chart
12	135-5257	2	Balljoint-SS	32	135-5506-05	1	Mount-Gun
13	135-5681	2	Rod-Control, Motion	33	135-5661	1	Holder-Tool, Clip
14	135-5718	2	Ball Joint-Quick Disconnect,	34	135-6374	1	Screw-Button Head #10-24
			SS				X 1/2 SS
15	135-6110	6	Nut-Hex Flg 3/8-16 SS	35	135-6342	1	Nut-Hex Flg #10-24 Nyloc
			W/Patch SS				SS
16	135-6109	4	Nut-Hex Flg 5/16-18 Nyloc	36	107-0380	4	Nut-Hex Flg 5/16-24 Unf
			SS				W/Patch
17	135-6108	8	Nut-Hex Flg 1/4-20 Nyloc	37	142-3051	2	Decal-Z-Logo
			SS	38	135-7081	2	Screw-Button Head Flange
18	135-6192	1	Collar				1/4-20 X 1 SS
19	135-6208	6	Screw-HHF 3/8-16 X 1	39	142-3911	1	Decal-Service Aid
			Serrated SS				
20	HDW17294	2	Bolt-Carriage 5/16-18 X 1				
			SS				

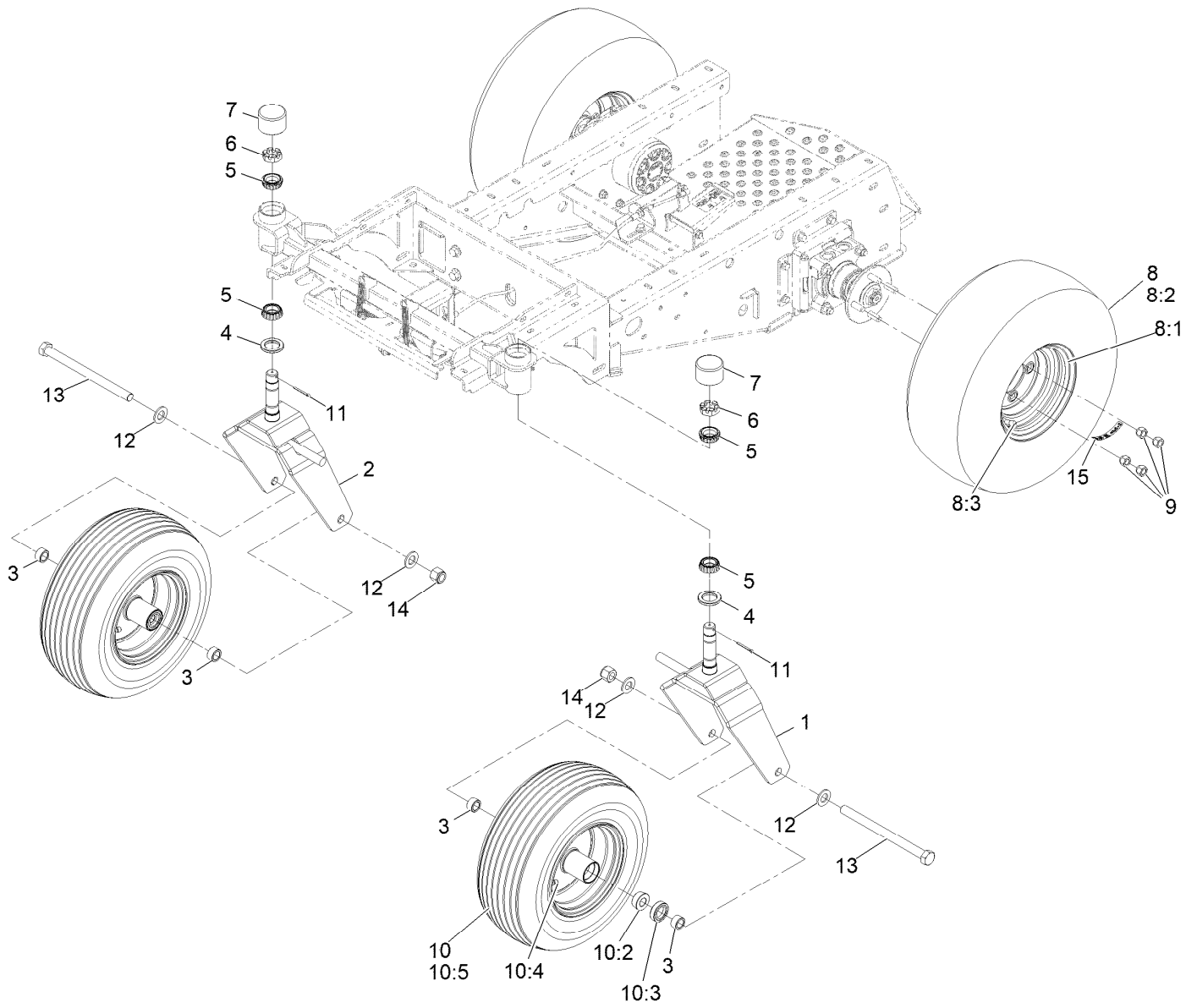
Park Brake Assembly



Park 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	135-5526-03	1	Arm-Brake, Lt [black]	10	104-8301	1	Nut-HF, NI
2	135-5529-03	1	Arm-Brake, Rt [black]	11	1126	1	Washer-Flat
3	135-7225	1	Bracket-Handle, Brake	12	323-52	1	Screw-HH
5	135-6058	1	Handle-Brake	13	3256-26	1	Washer-Flat
6	135-6066	1	Brake Rod ASM	14	3253-7	1	Washer-Lock
7	135-6106	1	Spring-Torsion	15	106-0378	1	Screw
8	135-6109	3	Nut-Hex Flange	16	1-808284	2	Pin-Clevis
9	HDW17294	3	Bolt, Carriage, 5/16-18X1, ST/ST 18-8	17	135-6284	2	Pin-Hair
				18	5-0652	1	Spacer

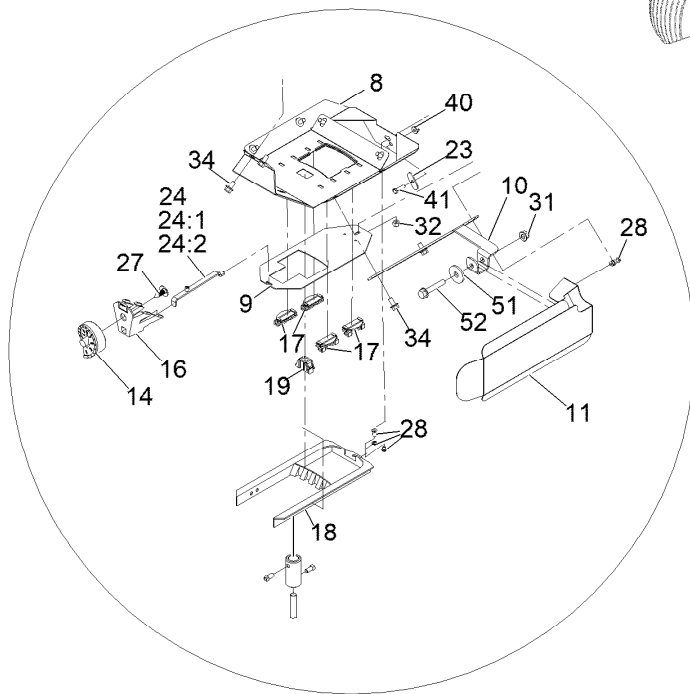
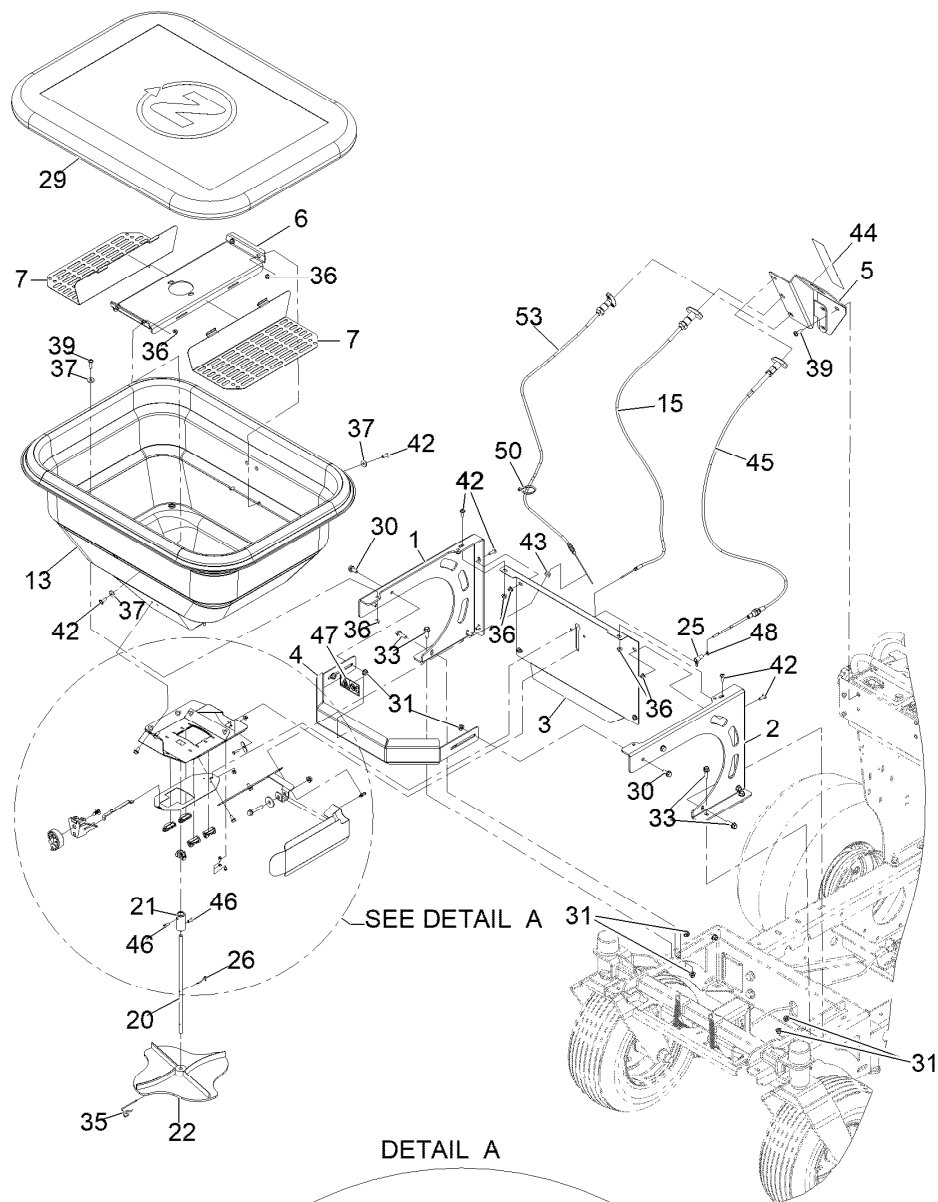
Tire and Wheel Assembly



Tire and Wheel 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	135-5441-01	1	Caster-Lt [red]	10	142-5509	2	Wheel And Tire ASM
2	135-5446-01	1	Caster-Rt [red]	10:2	142-6219	1	Tire-Rib
3	135-5683	4	Spacer-Axle	10:3	1-633585	2	Bearing-Cone Tapered Roller
4	1-543511	2	Seal-Grease	10:4	5108	1	Valve
5	254-92	4	Cone-Bearing, Outer	10:5	103-0063	2	Seal-Double Lip
6	1-809082	2	Nut-Slotted 1-14 Unf	11	135-6292	2	Pin-Cotter
7	135-5756	2	Cap-Dust, Rubber	12	3256-28	4	Washer-3/4 SAE
8	142-5508	2	Wheel And Tire ASM	13	135-6300	2	Screw-HH 3/4-10 X 10
8:1	142-6216	1	Tire- 20 X 8 4 Ply	14	3296-51	2	Nut-Nyloc 3/4-10
8:2	142-6217	1	Rim-8X5.375, Centered	15	126-2055	2	Decal-Torque, Wheel Hub
8:3	232-27	1	Stem-Valve				Lug
9	242-50	8	Nut-Lug 1/2-20				

Hopper Assembly

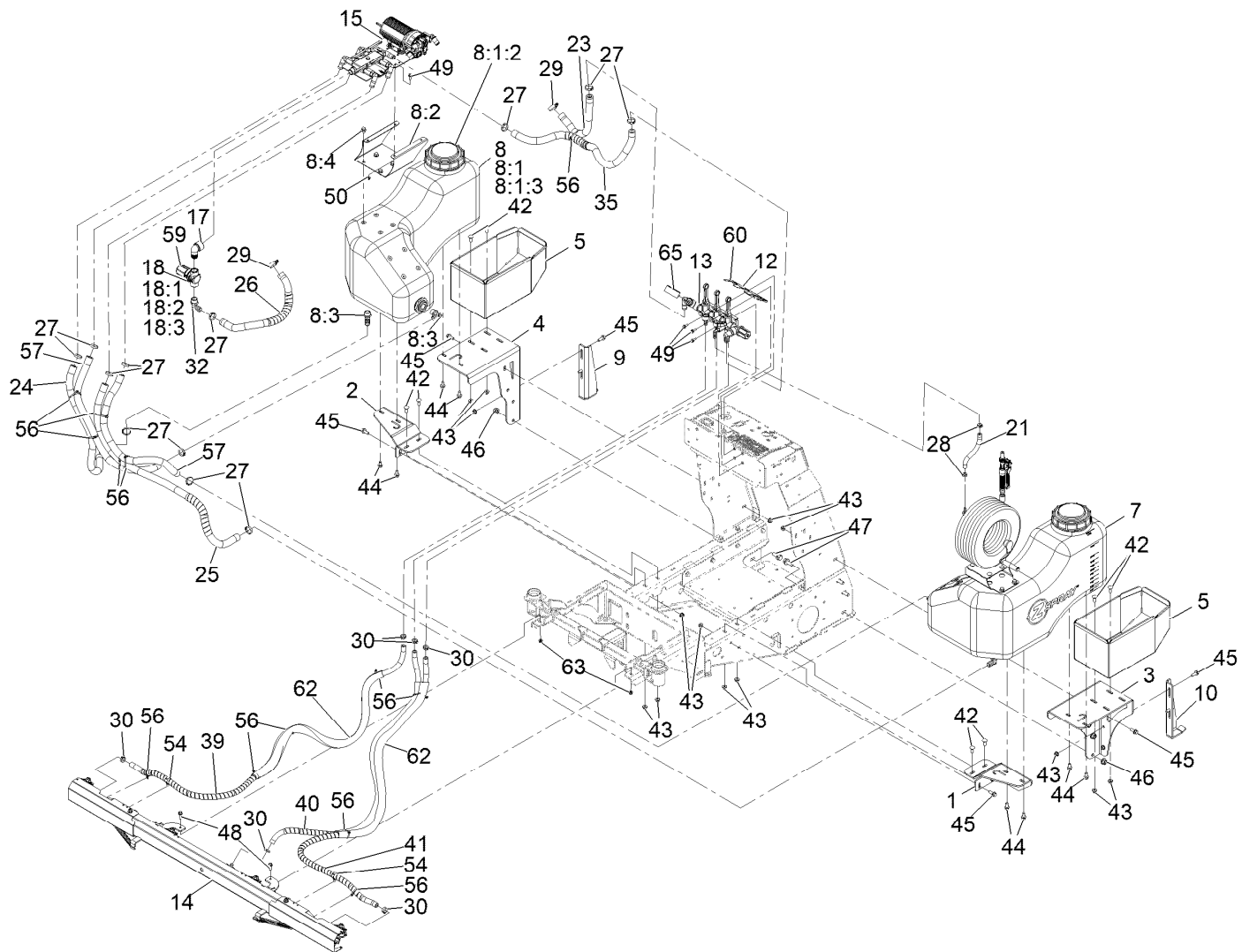


Hopper Assembly (continued)

<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	135-5391	1	Side-Hopper, Rt	28	142-3886	2	Wire-Stop
2	135-5393	1	Side-Hopper, Lt	29	142-6119	1	Cover-Hopper, Large
3	135-5571	1	Backshield-Hopper	30	126-2712	4	Screw-HHF
4	135-5567	1	Bumper-Front, Hopper	31	135-6109	14	Nut-Hex Flange
5	142-3957-05	1	Mount-Speedometer	32	HDW05856	1	Nut-NYL
6	135-5542	1	Pan-Hopper, 220				Lock,#10-32,ST/ST 18-8
7	135-5544	2	Screen-Hopper, 220	33	135-6272	8	Screw-HHF
8	142-5110	1	Base Plate, Hopper, 220	34	135-6280	8	Screw-HHF, 1/4-20 X 1/2,
9	142-3792	1	Slide-Door, Hopper				Ser Flg, SS
10	142-5102	1	Mount-Deflector, Side	35	142-3541	1	Clip-Spinner
11	142-5103	1	Deflector-Side, Spreader	36	135-6108	14	Nut-Hex Flange
13	142-5406	1	Asy-Hopper 220 Lb	37	135-6341	8	Washer
14	142-3359	1	Dial	39	135-7081	5	Screw-HSBH Flg
15	135-5931	1	Cable-Push/Pull	40	135-6342	2	Nut-Hex Flange
16	142-3319	1	Mount-Dial	41	135-6356	2	Screw-HH
17	142-3316	4	Guide-Rate, Gate	42	135-7080	10	Screw-HSBH Flg
18	142-3406	1	Diffuser	43	135-5988	1	Grommet-Rubber
19	142-4042	1	Hopper Bottom Bearing	44	142-3958	1	Decal-Hopper Control
20	142-5956	1	Shaft-Hopper, 220	45	135-5935	1	Cable-Push/Pull
21	135-5937	1	Coupler-SS	46	3241-7	2	Screw-SQH
22	142-3506	1	Spinner-Spreader	47	135-6725	1	Decal-Dismemberment
23	135-5569	1	Retainer, Cable				Hazard
24	126-2659	1	Rate Gate Link ASM	48	520-0019	1	Nut-Hex, Jam
24:1	126-0987	1	Link-Gate, Rate	50	3290-378	1	Tie-Cable ●
24:2	126-4196	1	Screw-Shoulder, Slotted	51	107675	1	Washer
25	135-5682	1	Ball Joint-SS	52	135-5779	1	Screw-HHF
26	142-3666	1	Wire-Agitator	53	142-3925	1	Cable-Control, Turn Lock
27	88-1080	1	Footpad Fastener				2.00 Trvl

● Not illustrated

Spray Assembly



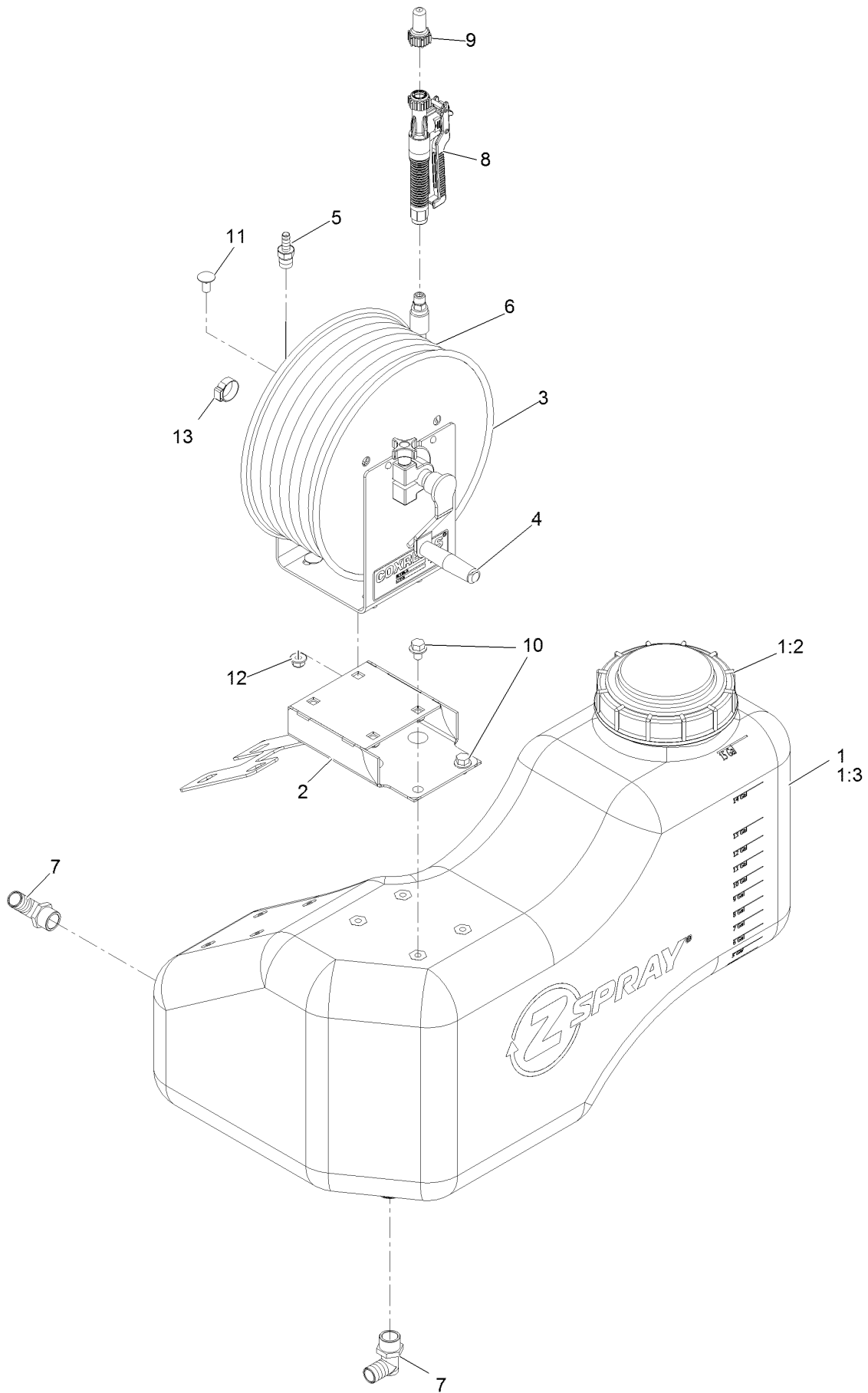
Spray Assembly (continued)

<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	135-5514	1	Mount-Tank, LH Wing	30	135-5692	6	Clamp-Oetiker, 167
2	135-5515	1	Mount-Tank, RH Wing	32	135-5772	1	Fitting-Elbow, 90
3	135-5537	1	Mount-Box, Lt Fert	35	135-6480	1	Hose-Spray, Wrapped
4	135-5539	1	Mount-Box, Rt Fert	39	135-5270	1	Hose-Spray, Wrapped
5	142-2446	2	Box-Fert	40	135-5268	1	Hose-Spray, Wrapped
7		1	ASM-Tank, Hose Reel ■	41	135-5269	1	Hose-Spray, Wrapped
8		1	ASM-Tank, Rt ■	42	126-0980	12	Bolt-Carriage 3/8-16 X 1 SS
8:1	142-3061	1	ASM-Tank, Rt	43	135-6110	22	Nut-Hex Flg 3/8-16 SS W/Patch SS
8:1:2	135-5916	1	Cap-Tank, Spray	44	135-6274	8	Screw-HHF 3/8-16 X 3/4 SS
8:1:3	135-5921	2	Fitting-Bulkhead	45	135-6208	10	Screw-HHF 3/8-16 X 1 Serrated SS
8:2	135-5772	2	Fitting-Elbow, 90	46	135-6111	6	Nut-Hex Flg 3/8-16 SS W/Patch SS
8:3	135-5545	1	Platform, Liquid Valve Mount	47	135-6207	6	Screw-HHF 5/16-18 X 1 1/4 SS
8:4	135-7096	4	Screw-HHF 3/8-16 X 1/2 SS	48	135-6272	2	Screw-HHF 5/16-18 X 1 Serrated SS
9	135-5479	1	Bracket-Anti-Tip, Rt	49	135-6221	7	Screw-HHF 1/4-20 X 3/4 Serrated SS
10	135-5477	1	Bracket-Anti-Tip, Lt	50	135-6108	4	Nut-Hex Flg 1/4-20 Nyloc SS
12	135-5570-05	1	Bracket-Manifold	54	32180-030	2	Clip-Tie
13		1	ASM-Manifold ■	56	3290-378	13	Tie-Cable
14		1	ASM-Boom, Spray ■	57	135-6441	2	Hose-Spray
15		1	ASM, Liquid Valve ■	59	135-6424	1	Decal-Cap, Strainer
17	132-7706	1	Elbow-90 DEG	60	142-4366	1	Decal-Valve, Boom
18	135-5765	1	Strainer-Inline	62	135-6484	2	Guard-Mesh
18:1	126-7195	1	Bowl-Strainer	63	135-6109	2	Nut-Hex Flg 5/16-18 Nyloc SS
18:2	126-2272	1	Gasket-Head, Line Strainer	65	135-5740	1	Gauge
18:3	135-5766	1	Screen-Strainer, 50 Mesh	99	3290-379	3	Tie-Cable ●
21	135-6162	1	Hose-Spray				
23	135-6164	1	Hose-Spray				
24	135-5326	1	Hose-Spray				
25	135-5327	1	Hose-Spray, Wrapped				
26	135-5325	1	Hose-Spray, Wrapped				
27	135-5890	12	Clamp-Oetiker, 167				
28	135-5757	2	Clamp-Oetiker, 167				
29	2412-129	2	Clamp-Hose				

● Not illustrated

■ Not serviced separately

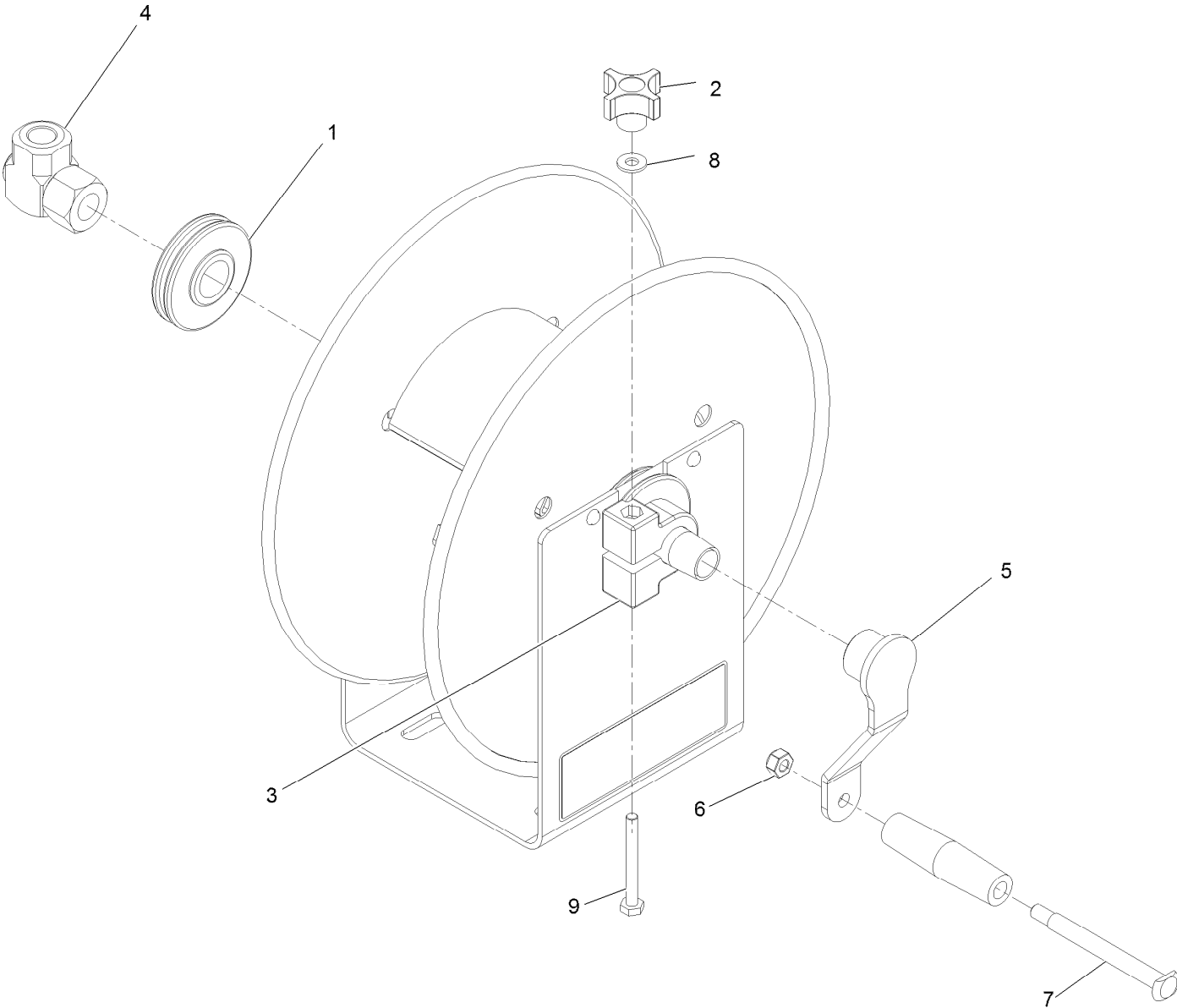
Left Tank Assembly



Left Tank 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	142-3063	1	ASM-Tank, Lt	8	135-5773	1	Gun-Spray, Spot
1:2	135-5916	1	Cap-Tank, Spray	9	135-5778	1	Tip-Spray, #12 Spot
1:3	135-5921	2	Fitting-Bulkhead	10	135-7096	2	Screw-HHF 3/8-16 X 1/2 SS
2	135-5521	1	Mount-Reel, Hose	11	135-6271	4	Bolt-Carriage 3/8-16 X 3/4 SS
3	135-5787	1	Reel-Hose	12	135-6110	4	Nut-Hex Flg 3/8-16 SS W/Patch SS
4	135-6011	1	Crank-Reel	13	135-5757	1	Clamp-Oetiker, 167
5	1-513200	2	Fitting,Male				
6	135-5794	1	Hose-Spray, 75'				
7	135-5772	2	Fitting-Elbow, 90				

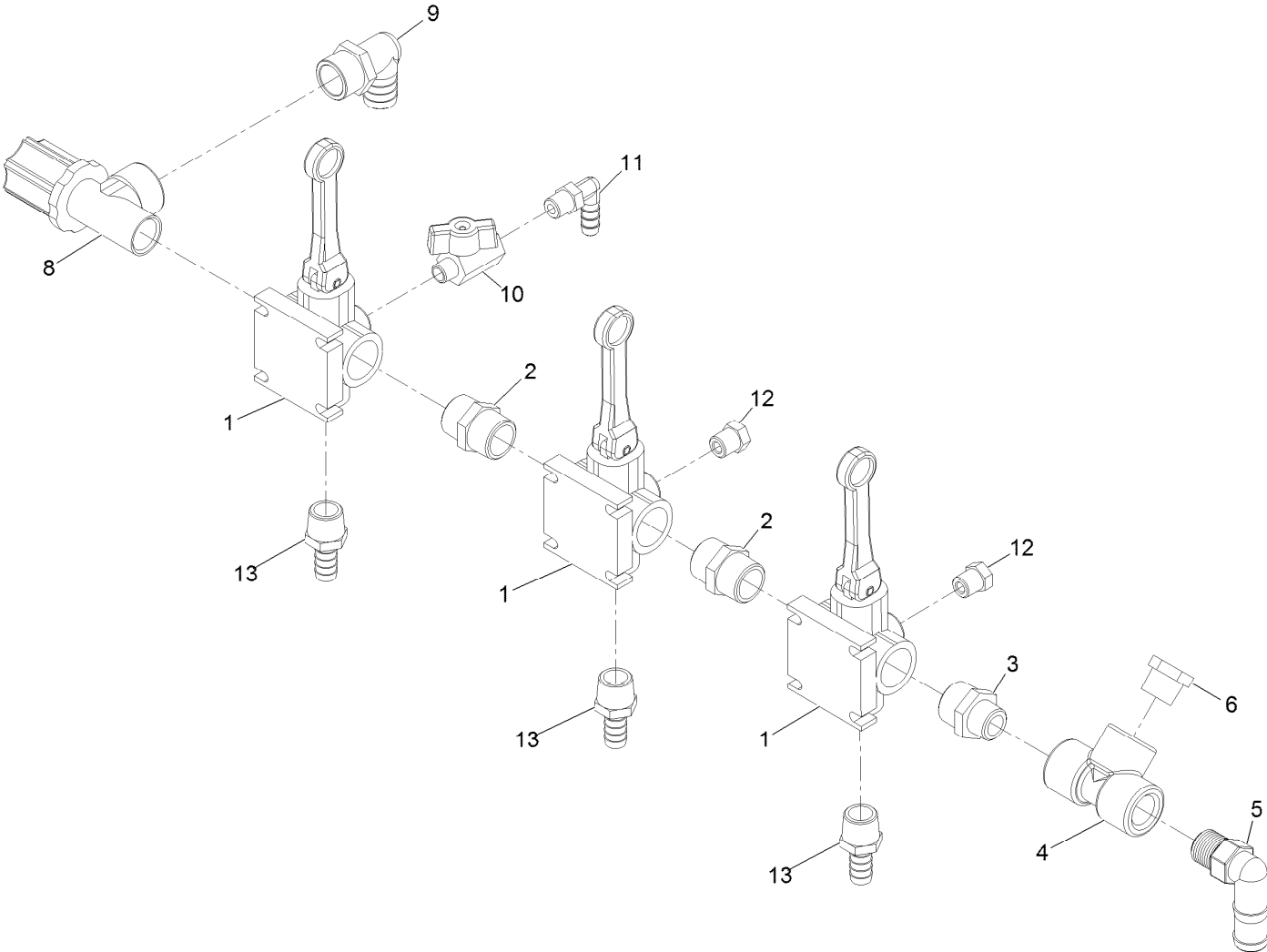
Reel Hose Assembly



Reel Hose 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	135-8439	1	Plastic Bearing	6	119-4038	1	Nut-Hex Nyloc 5/16-18
2	135-8437	1	Hose Reel Brake Knob	7	135-8436	1	Bolt, Hose Reel Handle
3	135-8438	1	Brake/Bearing 6329-1-1	8	120-9679	1	Washer-Flat
4	135-8421	1	Swivel 3/8" Npt	9	321-18	1	Screw-HH 1/4-20 X 2 1/4
5	135-6011	1	Crank-Reel				

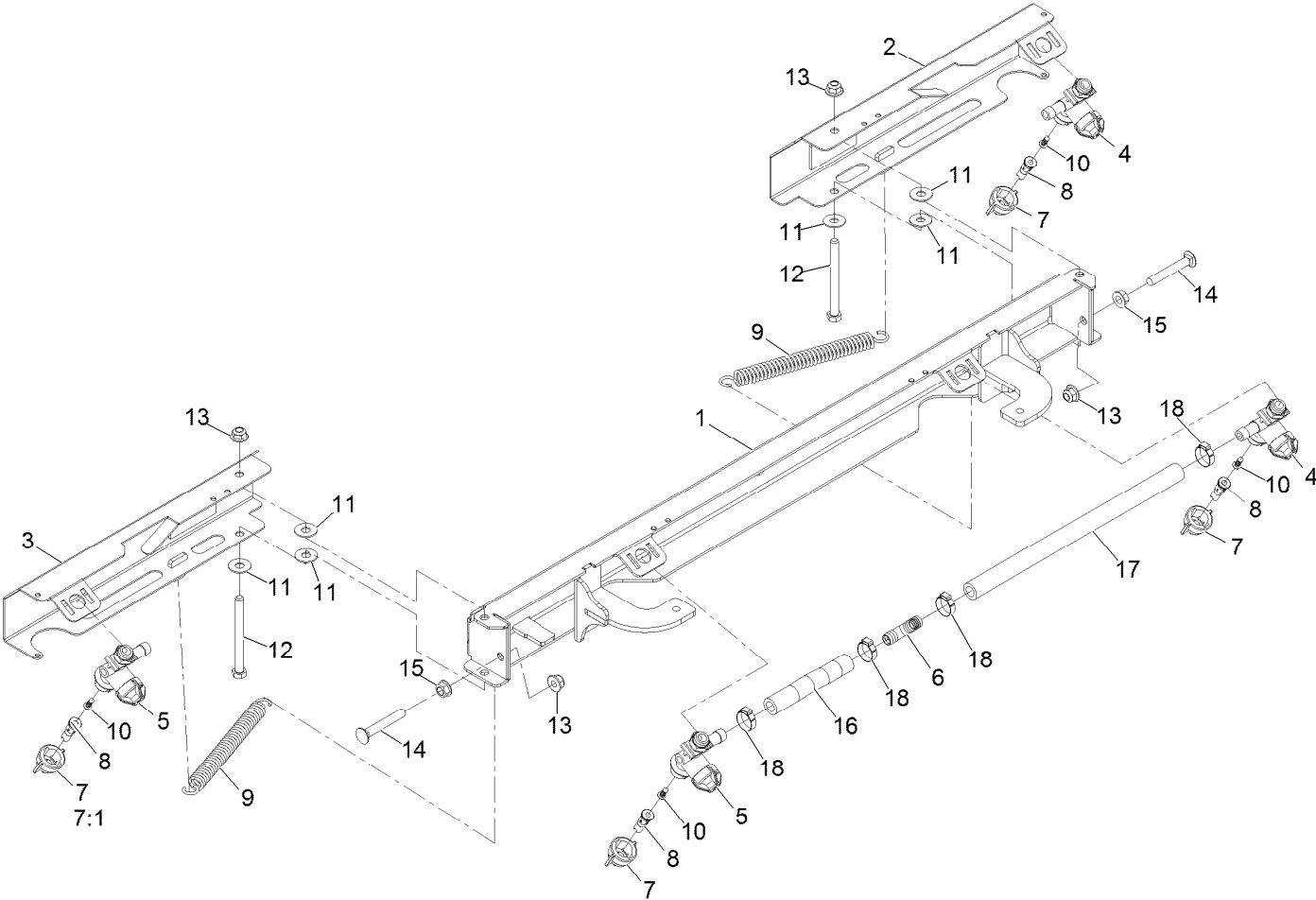
Manifold Assembly



Manifold 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	135-5721	3	Valve-Directo	8	135-5736	1	Valve-Throttle
2	135-5741	2	Fitting-Nipple	9	135-5772	1	Fitting-Elbow, 90
3	135-5742	1	Fitting-Nipple	10	135-5737	1	Valve-Chrome, 1/4
4	94-7100	1	Tee	11	135-5745	1	Fitting-Elbow, 90
5	92-8557	1	Elbow-90	12	135-5735	2	Plug-Valve
6	135-5743	1	Fitting-Reducer	13	120-8671	3	Fitting-Hosebarb

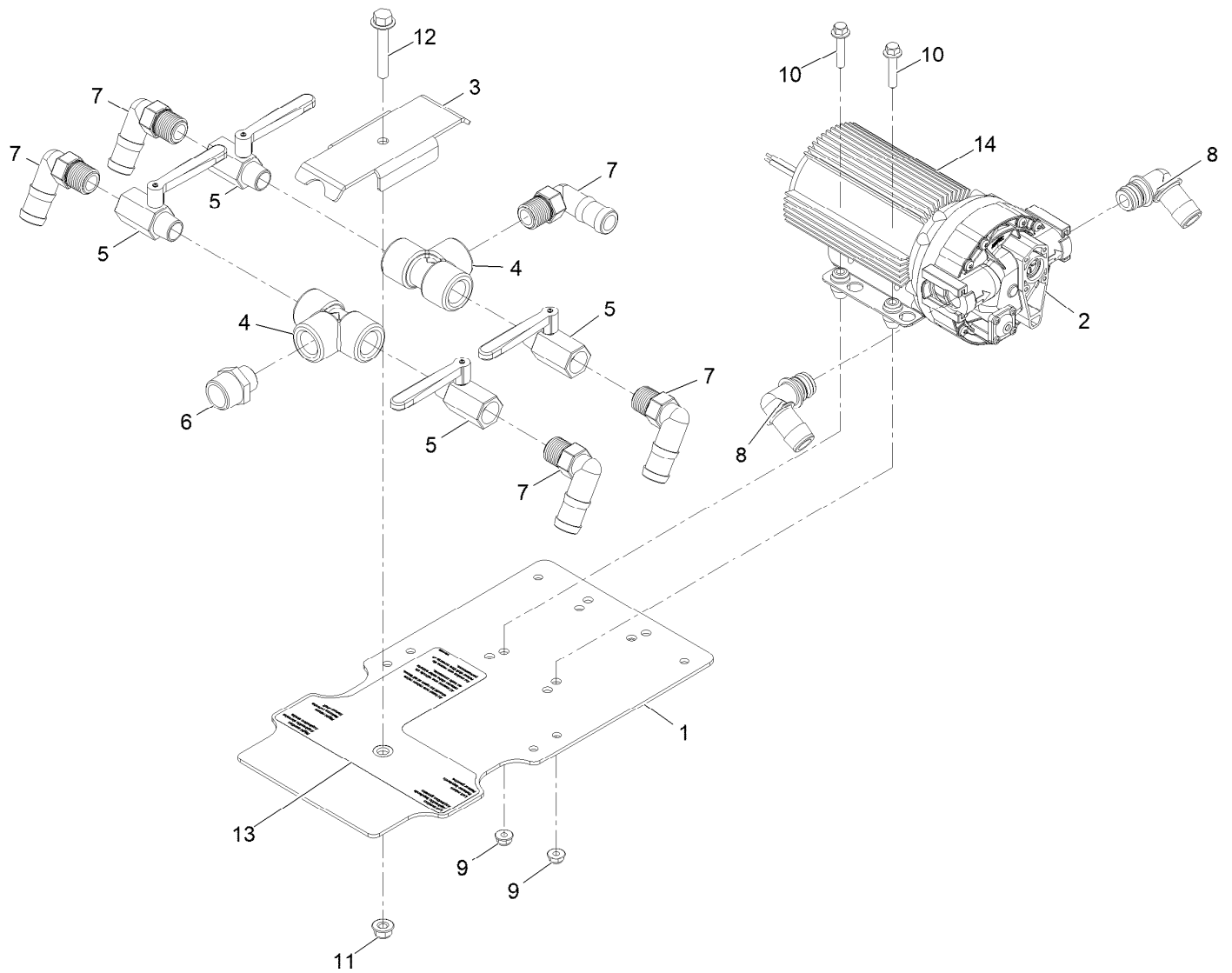
Boom Assembly



Boom 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	135-5480	1	Boom-Center	11	1126	6	Washer-Flat
2	135-5519	1	Boom-Wing, Rt	12	135-6310	2	Screw-HH 3/8-16 X 4 SS
3	135-5516	1	Boom-Wing, Lt	13	135-6110	4	Nut-Hex Flg 3/8-16 SS
4	135-5790	2	Body-Nozzle, Right				W/Patch SS
5	135-5788	2	Body-Nozzle, Left	14	126-0702	2	Bolt-Carriage 3/8-16 X 2 1/2
6	138-2751	1	Fitting-Tee, Barb				SS
7	135-5781	4	Cap-Nozzle	15	135-6806	2	Nut-Hex Flange 3/8-16
7:1	40998	1	Seat-Gasket				Serrated SS
8	142-3308	4	Tip-Spray, 025	16	135-6298	1	Hose-Spray
9	135-5780	2	Spring-Extension	17	135-7129	1	Hose-Spray
10	126-3943	4	Strainer-Nozzle, 50M 5PSI	18	135-5692	4	Clamp-Oetiker, 167
			Check				

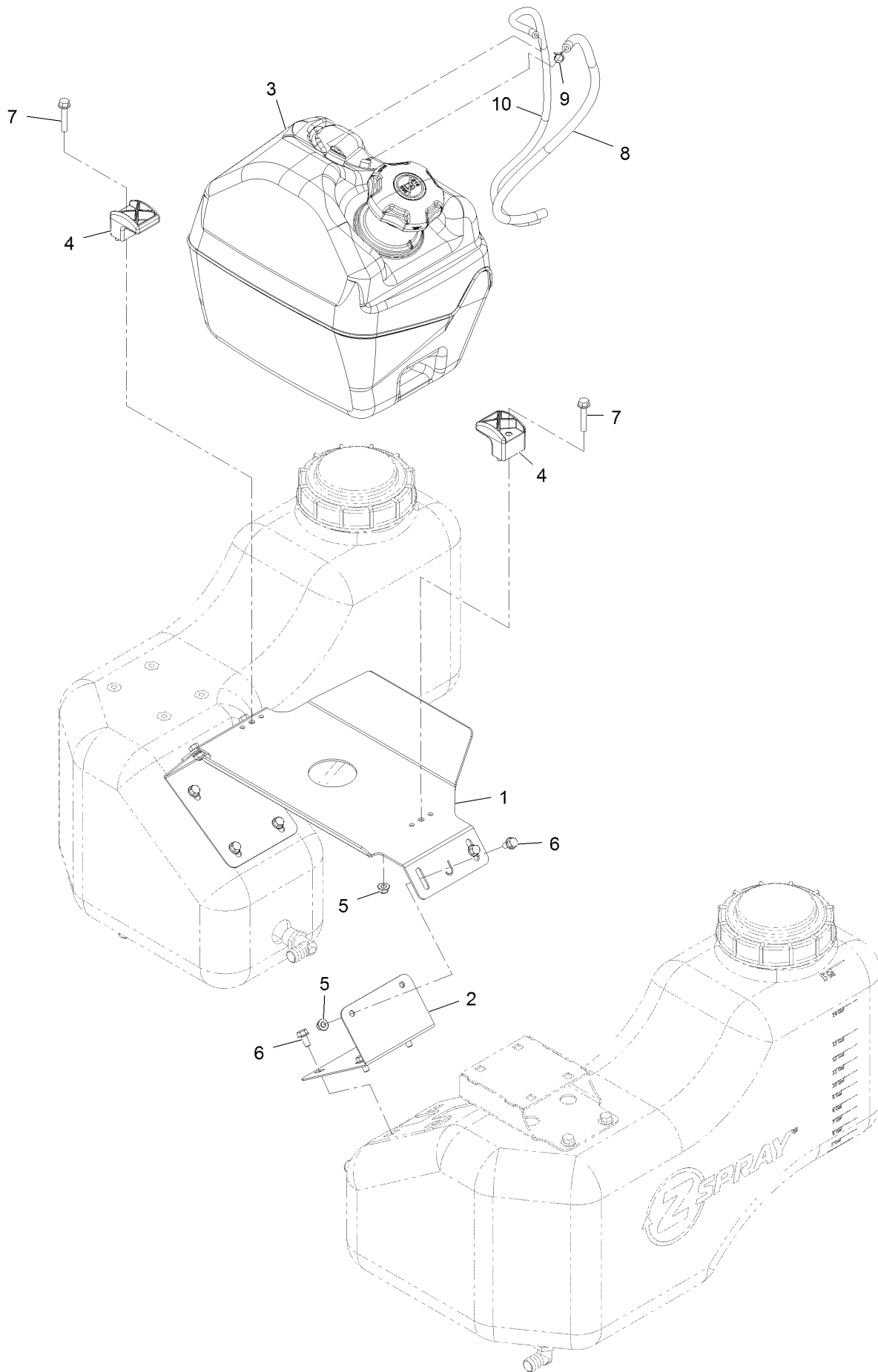
Liquid Valve Assembly



Liquid Valve 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	135-5491	1	Mount-Plate, Liquid Valve	10	135-6312	4	Screw-HHF 1/4-20 X 1 1/4
2	142-3321	1	Pump-5.3 GPM				Serrated SS
3	135-5504	1	Plate-Clamp, Liquid Valve	11	135-6109	1	Nut-Hex Flg 5/16-18 Nyloc
			Fittings				SS
4	94-7100	2	Tee	12	126-2711	1	Screw-HHF 5/16-18 X 2
5	135-5760	4	Valve-Chrome, 1/2				Serrated SS
6	135-5742	1	Fitting-Nipple	13	135-6420	1	Decal-Valve, Tank
7	92-8557	5	Elbow-90	14	142-3322	1	Heatsink-3.0"
8	126-4420	2	Fitting-Elbow				
9	135-6108	4	Nut-Hex Flg 1/4-20 Nyloc				
			SS				

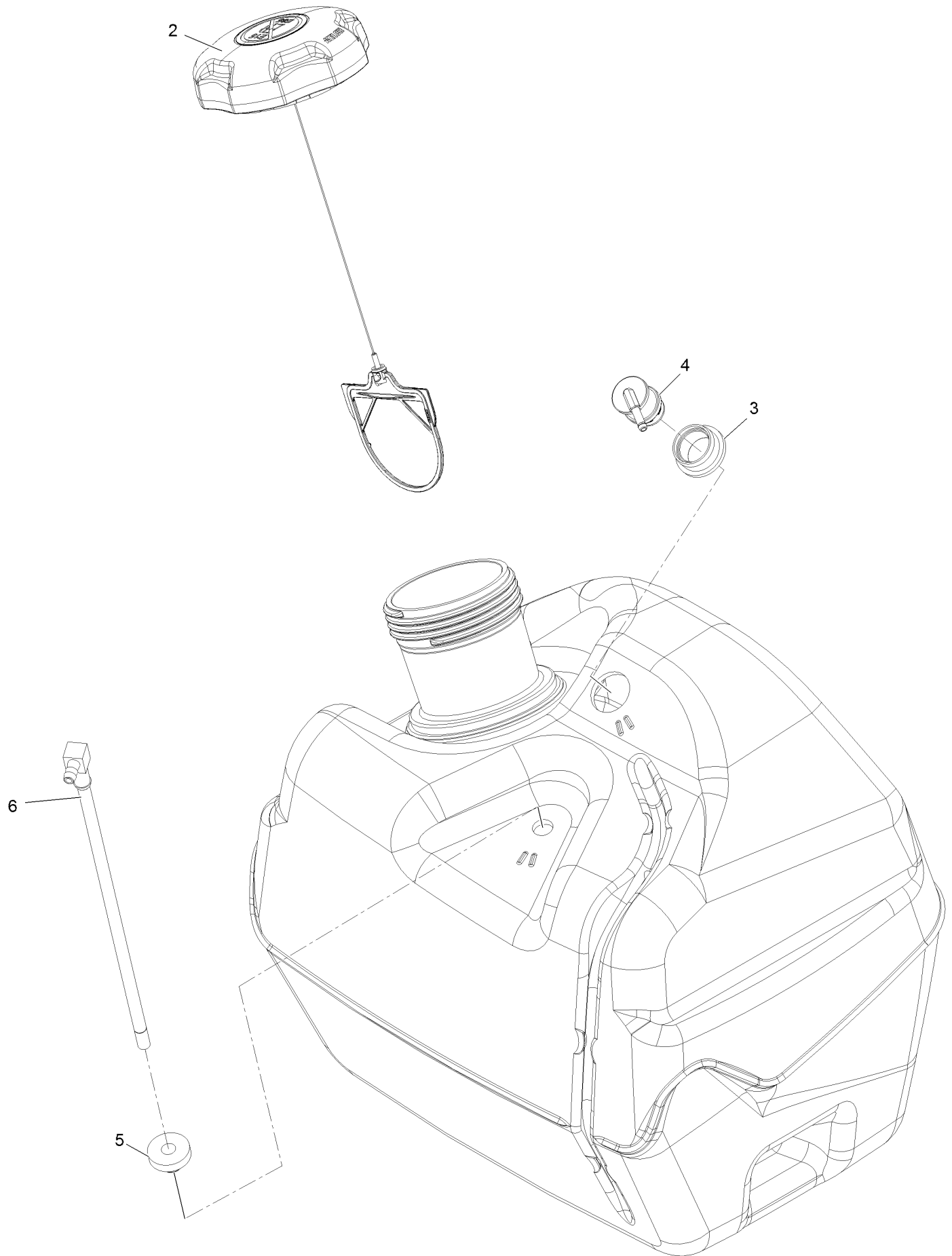
Fuel Assembly



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	142-3018	1	Support-Fuel Tank	7	135-5779	2	Screw-HHF 5/16-18 X 1 3/4
2	135-5560	2	Bracket-Support, Gas Tank				Serrated SS
3	140-4343	1	Fuel Tank ASM, 5 Gal	8	109-1395	1	Hose-Fuel Line 27"
4	107-4543	2	Clamp	9	2412-98	1	Clamp-Hose
5	135-6109	6	Nut-Hex Flg 5/16-18 Nyloc SS	10	117-9569	1	Hose-Fuel
6	135-7086	12	Screw-HHF 5/16-18 X 5/8 Serrated SS				

Fuel Tank Assembly No. 140-4343

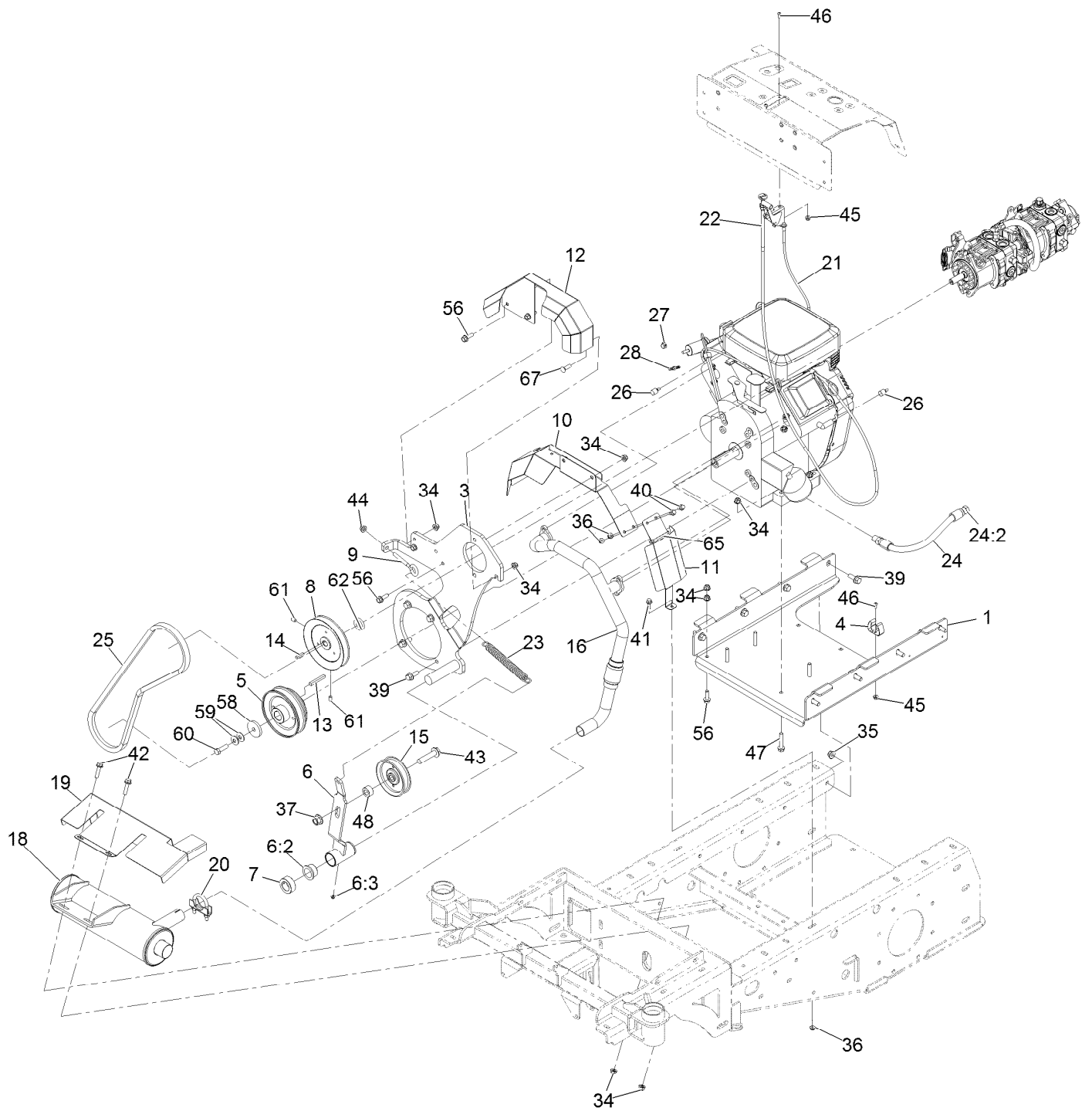


Fuel Tank Assembly No. 140-4343 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
2	137-4119	1	Cap-Fuel, Ratcheting
3	114-0284	1	Grommet
4	119-3547	1	Valve-Vent, Fuel

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
5	46-6560	1	Bushing
6	109-9364	1	Fitting-Fuel (W/Line And Screen)

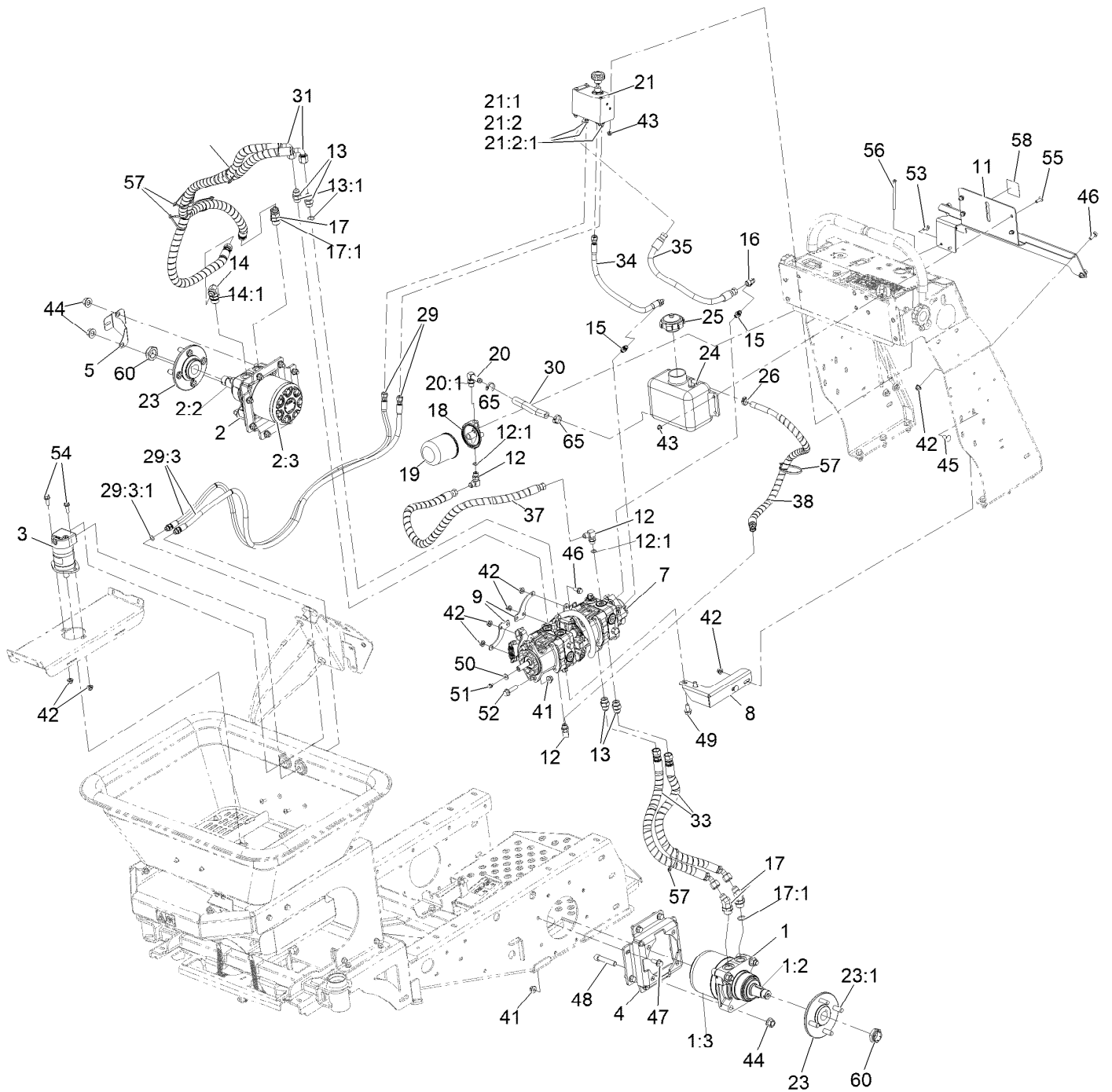
Engine Assembly



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	135-5492	1	Tray-Engine	35	135-6110	8	Nut-Hex Flg 3/8-16 SS
3	135-5453-03	1	Bracket-Engine, Pump				W/Patch SS
4	135-5661	1	Holder-Tool, Clip	36	135-6108	3	Nut-Hex Flg 1/4-20 Nyloc
5	135-6394	1	Pulley-Double				SS
6	135-5669	1	Tension Arm ASM	37	99-5107	1	Nut-Lock 1/2-13
6:2	256-132	2	Bushing-Flange	39	135-6208	12	Screw-HHF 3/8-16 X 1
6:3	302-63	1	Zerk				Serrated SS
7	135-5382	1	Collar	40	135-6280	2	Screw-HHF 1/4-20 X 1/2
8	135-5663	1	Pulley-Drive, Pump				Serrated SS
9	135-5667	1	Bolt-Eye	41	135-6221	1	Screw-HHF 1/4-20 X 3/4
10	135-5565	1	Guard-Muffler, Lower				Serrated SS
11	135-5566	1	Guard-Muffler, Lower	42	135-6261	2	Screw-HHF 5/16-18 X 1 1/4
12	142-3320	1	Guard-Pulley				Serrated SS
13	103-4177	1	Key	43	3234-46	1	Screw-HHF 1/2-13 X 2 1/4
14	1-807272	1	Key-5Mm X 5Mm X 25Mm	44	104-8300	1	Nut-Nyloc 5/16-18 Flg
15	135-5662	1	Pulley-Idler, Flat	45	135-6342	3	Nut-Hex Flg #10-24 Nyloc
16	135-7089	1	Manifold-Exhaust				SS
18	135-7090	1	Muffler	46	135-6374	3	Screw-Button Head #10-24
19	135-5568	1	Shield-Heat, Muffler				X 1/2 SS
20	2112-11	1	Clamp-Muffler	47	135-5779	4	Screw-HHF 5/16-18 X 1 3/4
21	135-5260	1	Cable-Throttle				Serrated SS
22	135-5707	1	Cable-Choke	48	116-2959	1	Spacer
23	135-5780	1	Spring-Extension	56	135-6272	5	Screw-HHF 5/16-18 X 1
24	135-5365	1	Oil Drain Hose ASM				Serrated SS
			(W/Plug)	58	110-9981	1	Washer-Plain
24:2	AU218-774	1	Plug	59	3290-340	2	Washer-Belleville
25	135-5664	1	Belt-V	60	3211-5	1	Screw-HH 3/8-24 X 1 1/4
26	135-5677	2	Tube-Shrink, Heat	61	3246-17	2	Screw-Set 5/16-24 X 1/2
27	2412-98	1	Clamp-Hose	62	1-323539	1	Spacer-Blade Drive
28	120-1996	1	Fitting-STR	65	3290-378	1	Tie-Cable
34	135-6109	13	Nut-Hex Flg 5/16-18 Nyloc	67	HDW17294	1	Bolt-Carriage 5/16-18 X 1
			SS				SS

Hydraulic Assembly

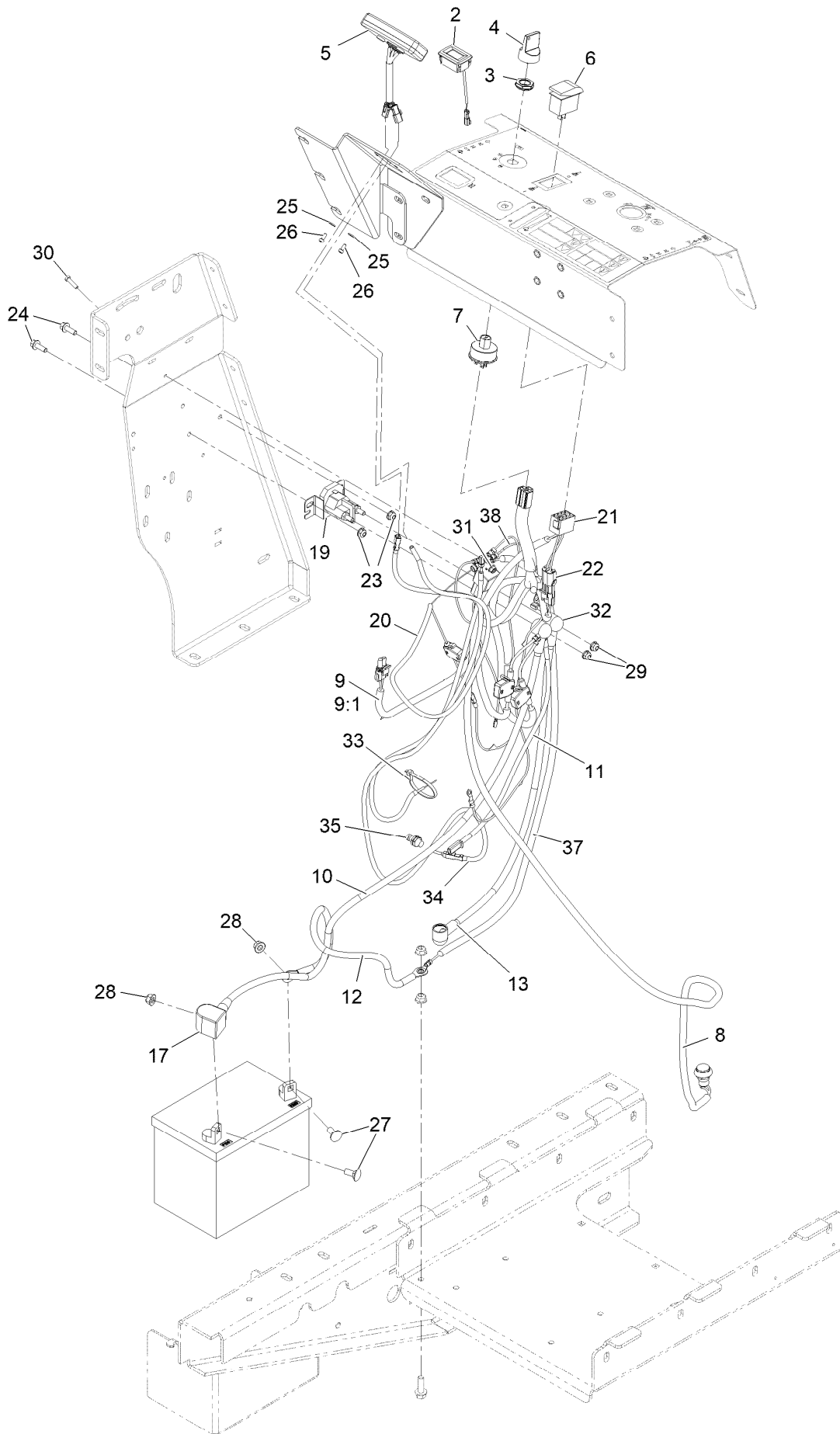


Hydraulic Assembly (continued)

<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	135-5230	1	Motor-Wheel, LH	29:3		1	Fitting-Straight, Rigid ●
1:2	3257-42	1	Key-Woodruff 5/16 X 1	29:3:1	237-42	1	O-Ring
1:3	103-6994	1	Seal Kit	30	109-5577	1	Hose-Hydraulic
2	135-5231	1	Motor-Wheel, RH	31	142-3115	2	Hose ASM-HYD HP
2:2	3257-42	1	Key-Woodruff 5/16 X 1	33	142-3117	2	Hose ASM-HYD HP
2:3	103-6994	1	Seal Kit	34	142-3113	1	Hose ASM-HYD HP
3	135-5243	1	Motor-Hydraulic, Spreader	35	135-5361	1	Hose ASM, HYD LP
4	135-5524	2	Mount-Motor, Wheel	37	135-5385	1	Hose ASM, HYD LP
5	135-5574	1	Bracket-Hopper, Speedometer Sensor	38	135-5456	1	Hose ASM, HYD LP
7	135-5665	1	Pump-Tandem	41	135-6110	18	Nut-Hex Flg 3/8-16 SS W/Patch SS
8	135-5551	1	Bracket-Support, Hydro Pump	42	135-6109	12	Nut-Hex Flg 5/16-18 Nyloc SS
9	135-5558	2	Extension-Pump, Hydro	43	135-6108	8	Nut-Hex Flg 1/4-20 Nyloc SS
11	135-5550	1	Mount-Tank And Filter, Hydraulic	44	99-5107	8	Nut-Lock 1/2-13
12	103-1802	3	Fitting-Elbow, 90 DEG	45	126-0695	2	Screw-Carriage 5/16-18 X 3/4 SS
12:1	237-42	1	O-Ring	46	126-2712	8	Screw-HHF 5/16-18 X 3/4 Serrated SS
13	353-388	4	Fitting-Straight	47	135-6208	16	Screw-HHF 3/8-16 X 1 Serrated SS
13:1	237-79	1	O-Ring	48	3274-71	8	Screw-HSH 1/2-13 X 2 1/2
14	353-426	1	Fitting-90 DEG	49	135-6274	2	Screw-HHF 3/8-16 X 3/4 SS
14:1	237-80	1	O-Ring	50	135-6273	1	Washer
15	353-545	2	Fitting-Straight	51	81-1280	1	Screw-HHF M6-1 X 10Mm
16	135-5680	1	Fitting-Swivel, 90 DEG	52	135-6278	2	Screw-HHF 3/8-16 X 1 1/2 Serrated SS
17	135-5696	3	Fitting-Elbow, 45 DEG	53	135-6280	2	Screw-HHF 1/4-20 X 1/2 Serrated SS
17:1	237-80	1	O-Ring	54	135-6272	2	Screw-HHF 5/16-18 X 1 Serrated SS
18	104-7836	1	Filter-Head	55	135-7080	4	Screw-Button Head Flange 1/4-20 X 3/4 SS
19	109-4180	1	Element, Oil Filter	56	135-6385	4	Screw-Button Head 1/4-20 X 3 1/2 SS
20	109-6449	1	Fitting-Elbow, 90	57	3290-378	6	Tie-Cable
20:1	237-42	1	O-Ring	58	135-6398	1	Decal-Oil
21	142-4324	1	Manifold-Flow Control, Hopper	60	116-1399	2	Locknut
21:1	01-201-0780	3	HYD Fitting 6400-4-6	65	135-5692	2	Clamp-Oetiker, 167
21:2	353-212	1	Fitting-Elbow, 45 DEG				
21:2:1	237-42	1	O-Ring				
23	135-7525	2	Hub-Wheel				
23:1	135-7526	4	Stud-Wheel				
24	135-5712	1	Tank-Hydraulic, Plastic				
25	135-5713	1	Cap-Vented				
26	135-5757	1	Clamp-Oetiker, 167				
29	142-6167	2	Hose ASM-HYD HP				

● Not serviced separately

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>
2	135-5259	1	Meter-Tach/Hour	24	135-6221	2	Screw-HHF 1/4-20 X 3/4
3	135-5715	1	Nut-Switch, Key				Serrated SS
4	1-603511	1	Key-Ignition	25	126-0759	2	Washer-Flat
4	135-5708	1	Key-Umbrella	26	135-6357	2	Screw-HSH M4-0.7 X 10Mm
5	135-8900	1	Striker-Head Only	27	126-0695	2	Screw-Carriage 5/16-18 X
6	100-8469	1	Switch-Rocker				3/4 SS
7	135-6052	1	Switch-Ignition	28	135-6109	2	Nut-Hex Flg 5/16-18 Nyloc
8	135-6054	1	Switch-Push Button				SS
9	135-6113	1	Harness-Main	29	104-7201	2	Nut-Nyloc 1/4-20 Flg
9:1	135-6270	1	Relay-Mini ISO Pwr, 5M	30	135-6356	1	Screw-HH #10-24 X 3/4 SS
10	135-6114	1	Cable-Positive	31	135-6342	1	Nut-Hex Flg #10-24 Nyloc
11	135-6115	1	Wire-Solenoid				SS
12	135-6116	1	Cable-Ground	32	1-543393	3	Insulator-Solenoid
13	135-6117	1	Cable-Positive	33	3290-378	9	Tie-Cable
17	135-2304	1	Insulator-Battery	34	135-8898	1	Cable-Sensor, Trail Tech
19	135-6189	1	Solenoid-Starter	35	135-8903	1	Magnet-Speedometer
20	135-6443	1	Harness-Striker	37	135-3998	1	Harness-Wire, Jumper
21	32160-008	1	Connector-Carling, 8F	38	142-4834	1	Wire-Ground
22	32160-072	1	Connector-Wp,2M	99	135-7317	1	Manual-User, Striker ●
23	135-6108	2	Nut-Hex Flg 1/4-20 Nyloc	99	135-7318	1	Card-Striker, Quick Start ●
			SS				

● Not illustrated

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