

SA252

Drop Spreader



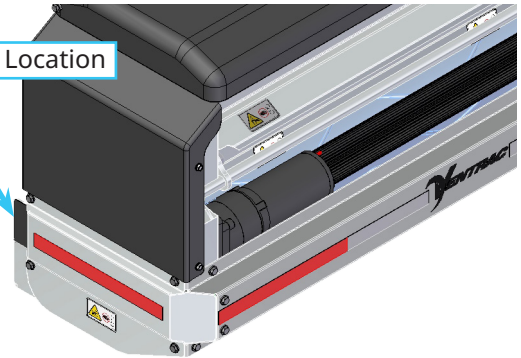


500 Venture Drive
Orrville Oh 44667
www.ventrac.com

Serial Number Description



Serial Plate Location



Notes

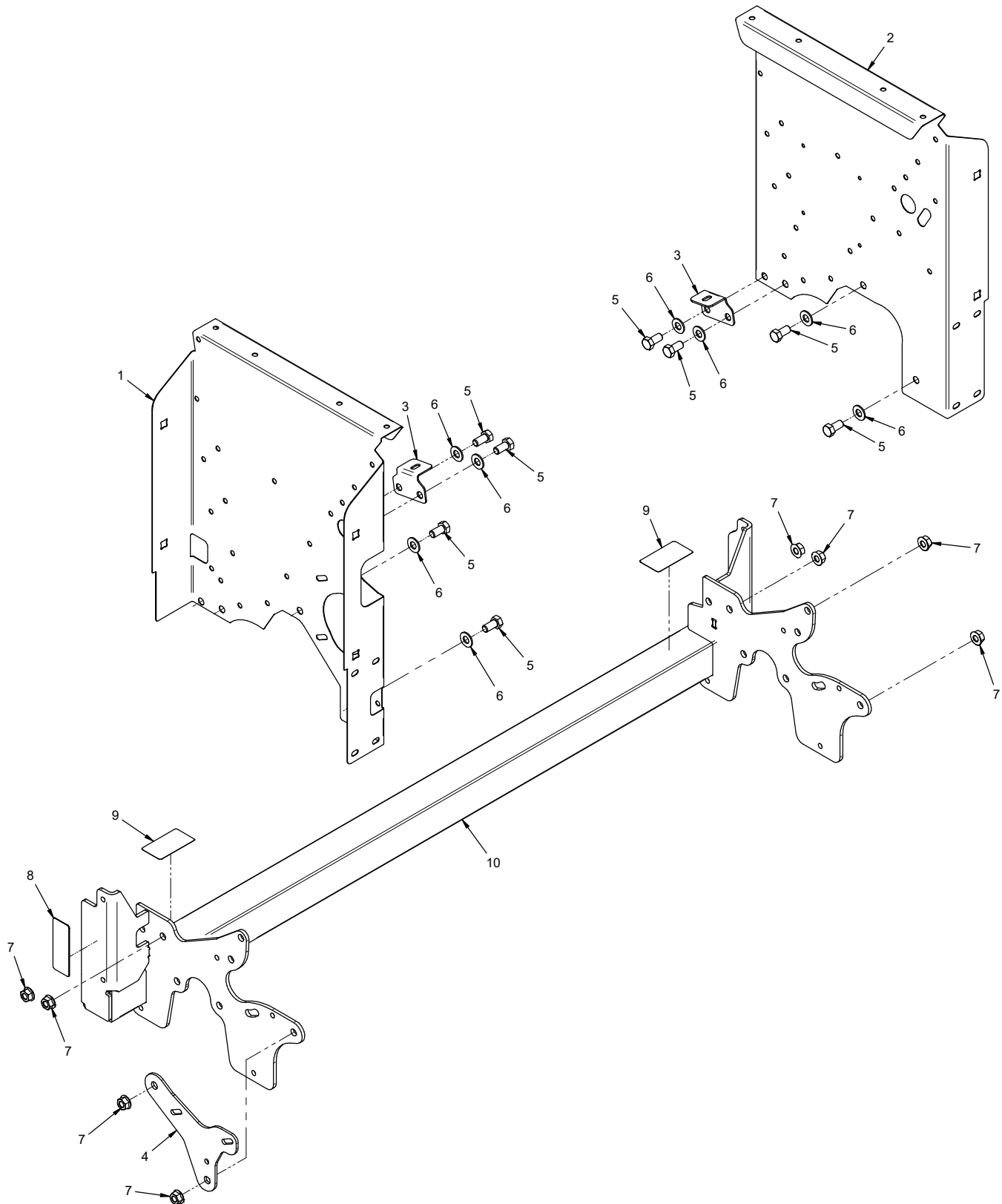
- If any component requires replacement, use only original Ventrac replacement parts.
- When ordering new components, be sure to order all required safety decals. All current safety decals must be affixed to the replacement components prior to installation of the component.

TABLE OF CONTENTS

PARTS	PAGE 4
Main Frame	4
Rear & Side Bumpers	6
Hooper Panels	8
Spreader Hanger, Hooper Screen, & Top Cover	10
Gate Panel & Guides	12
Gate Control Rocker	14
Motor & Rotor	16
Front Bin Seal & Rear Roller Seal	18
End Panel Stiffeners, Covers, & Clamps.....	20
Controller & Harness.....	22
70.8140 SA250 Install For 4200/4500/4520 Kit	24
70.8143 SA250 Install 3 Point Hitch Kit.....	26
70.8149 Hopper Extension Kit	28

PARTS

ILLUSTRATED DRAWING Main Frame



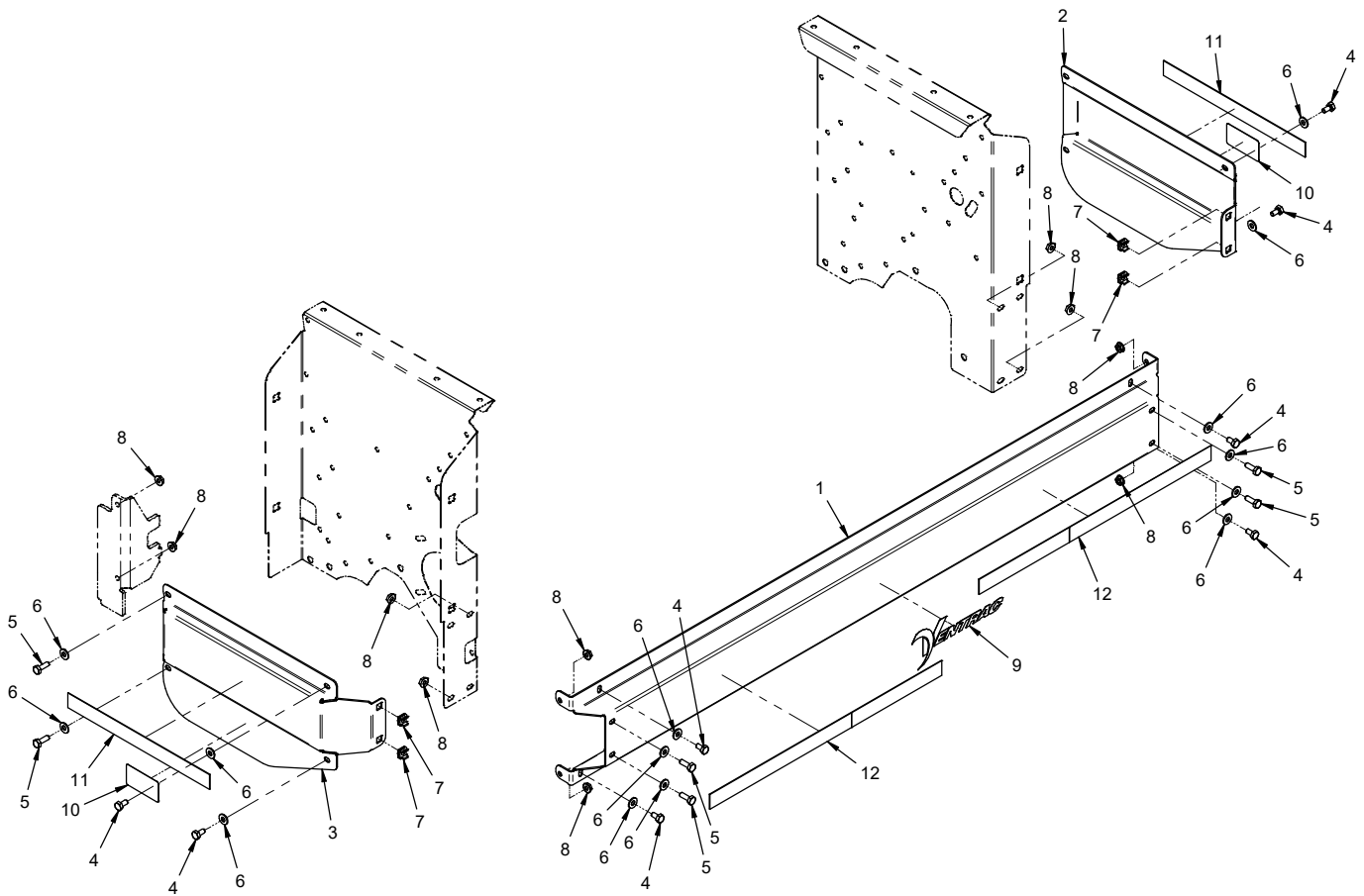
PARTS

Main Frame

REF.	PART NO.	DESCRIPTION	QTY.
1	SA-1042	Panel, Bin Left	1
2	SA-1043	Panel, Bin Right	1
3	64.1837	Bracket, Belting Clamp Mount	2
4	64.1943	Plate, Motor End Support	1
5	90.0606-3	Bolt, 3/8-16 UNC x 3/4 SS	8
6	95.06-3	Washer, Flat 3/8 SAE SS	8
7	99.SF06-3	Nut, SRF 3/8-16 USS Stainless	8
8	N/A	Plate, Ventrac Serial Number	1
9	00.0631	Decal, Finger/Hand Entanglement	2
10	62.1416	Frame, Main SA Spreader	1

PARTS

ILLUSTRATED DRAWING Rear & Side Bumpers



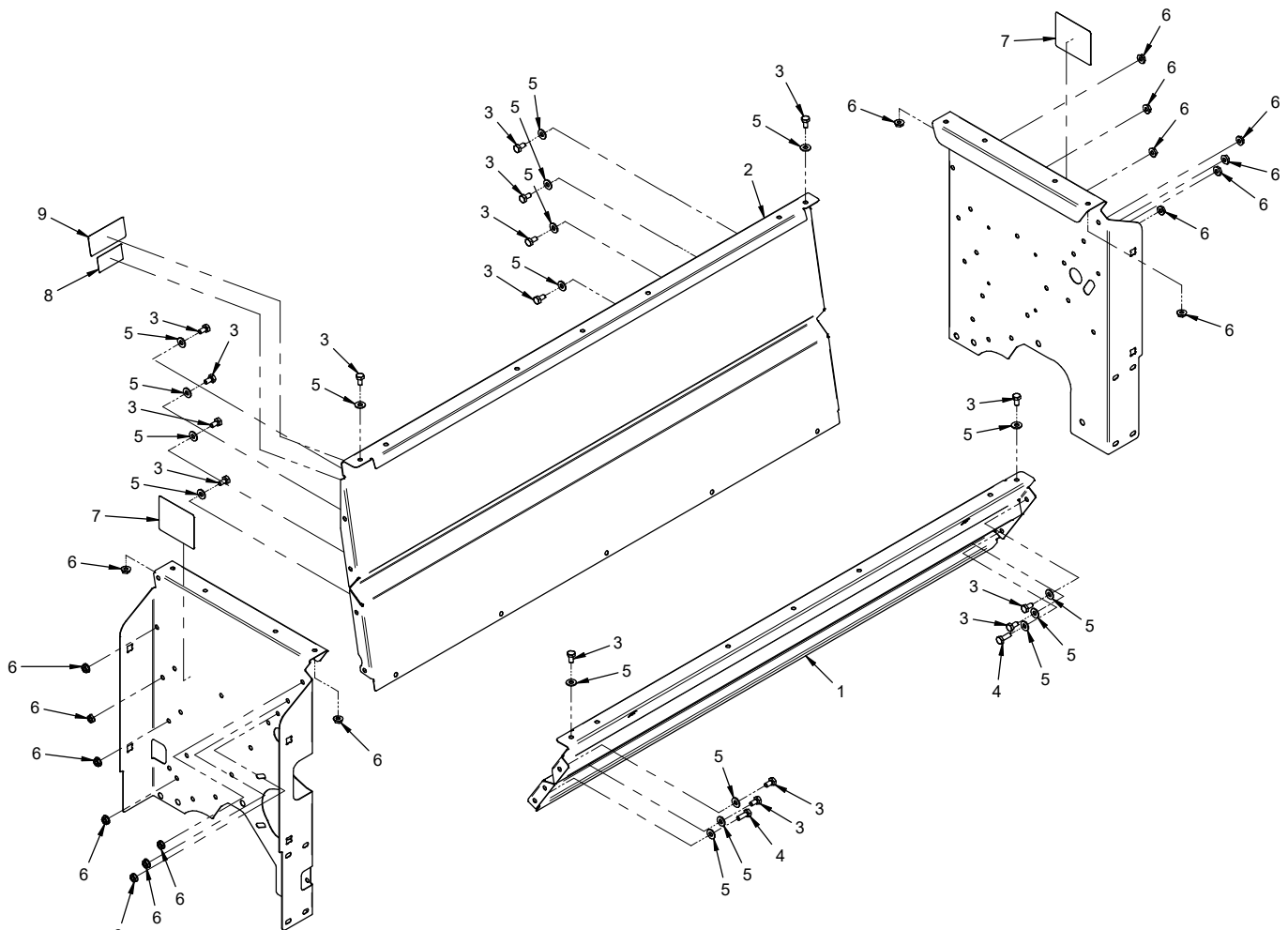
PARTS

Rear & Side Bumpers

REF.	PART NO.	DESCRIPTION	QTY.
1	SA-1017	Bumper, Rear	1
2	SA-1018	Bumper, Right Side	1
3	SA-1019	Bumper, Left	1
4	90.0404-3	Bolt, 1/4-20 UNC x 1/2 SS	8
5	90.0406-3	Bolt, 1/4-20 UNC x 3/4 SS	6
6	95.04-3	Washer, Flat 1/4 SAE SS	14
7	99.E0146	Nut, Cage 1/4-20 (.093 - .126")	4
8	99.SF04-3	Nut, SRF 1/4-20 USS Stainless	10
9	00.0672	Decal, Ventrac Black	1
10	00.0631	Decal, Finger/Hand Entanglement	2
11	56.0063	Tape, Conspicuity (Reflective)	2
12	56.0063	Tape, Conspicuity (Reflective)	2

PARTS

ILLUSTRATED DRAWING Hopper Panels



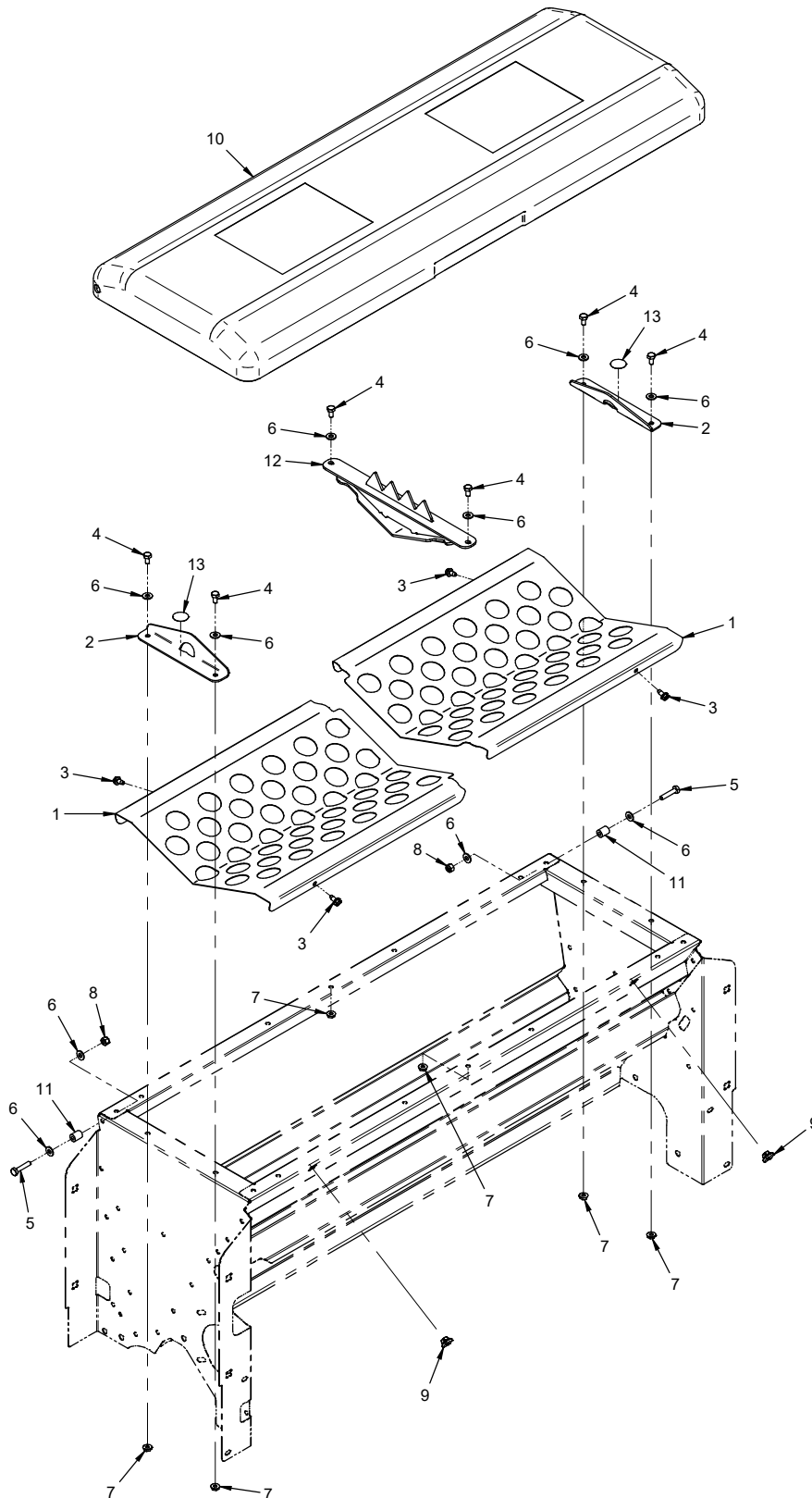
PARTS

Hopper Panels

REF.	PART NO.	DESCRIPTION	QTY.
1	SA-1044	Panel, Bin Rear	1
2	SA-1045	Panel, Bin Front	1
3	90.0404-3	Bolt, 1/4-20 UNC x 1/2 SS	16
4	90.0406-3	Bolt, 1/4-20 UNC x 3/4 SS	2
5	95.04-3	Washer, Flat 1/4 SAE SS	18
6	99.SF04-3	Nut, SRF 1/4-20 USS Stainless	18
7	00.0625	Decal, Shield Missing	2
8	00.0770	Decal, Built in the USA	1
9	00.0619	Decal, Read Operator's Manual	1

PARTS

ILLUSTRATED DRAWING Spreader Hanger, Hopper Screen, & Top Cover



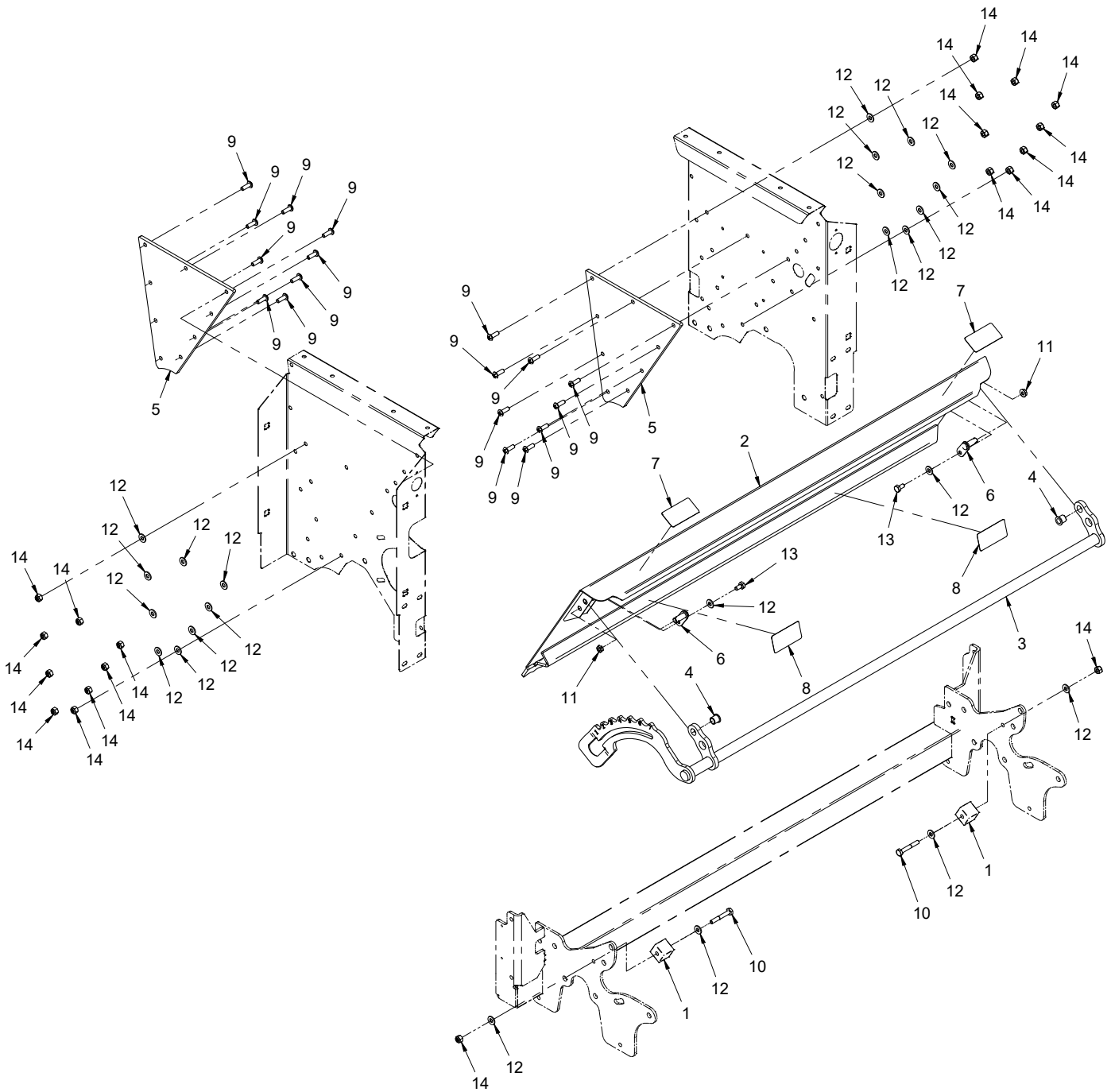
PARTS

Spreader Hanger, Hopper Screen, & Top Cover

REF.	PART NO.	DESCRIPTION	QTY.
1	SA-1028	Screen, Debris - Top	2
2	SA-1031	Hook, Lift	2
3	99.K0136	Bolt, 1/4-20 x 1/2 THD Form SS	4
4	90.0404-3	Bolt, 1/4-20 UNC x 1/2 SS	6
5	90.0410-3	Bolt, 1/4-20 UNC x 1-1/4 SS	2
6	95.04-3	Washer, Flat 1/4 SAE SS	10
7	99.SF04-3	Nut, SRF 1/4-20 USS Stainless	6
8	99.A04N-3	Locknut, Nylon 1/4-20 UNC SS	2
9	99.E0116	Nut, Grommet 1/4"	2
10	SA-1047	Cover, SA Spreader Top	1
11	05.0142	Spacer, 1/4 ID x 1/2 OD x 5/8L	2
12	SA-6002	Brace, Center W/Bag Ripper	1
13	00.0815	Decal, Lift Point	2

PARTS

ILLUSTRATED DRAWING Gate Panel & Guides



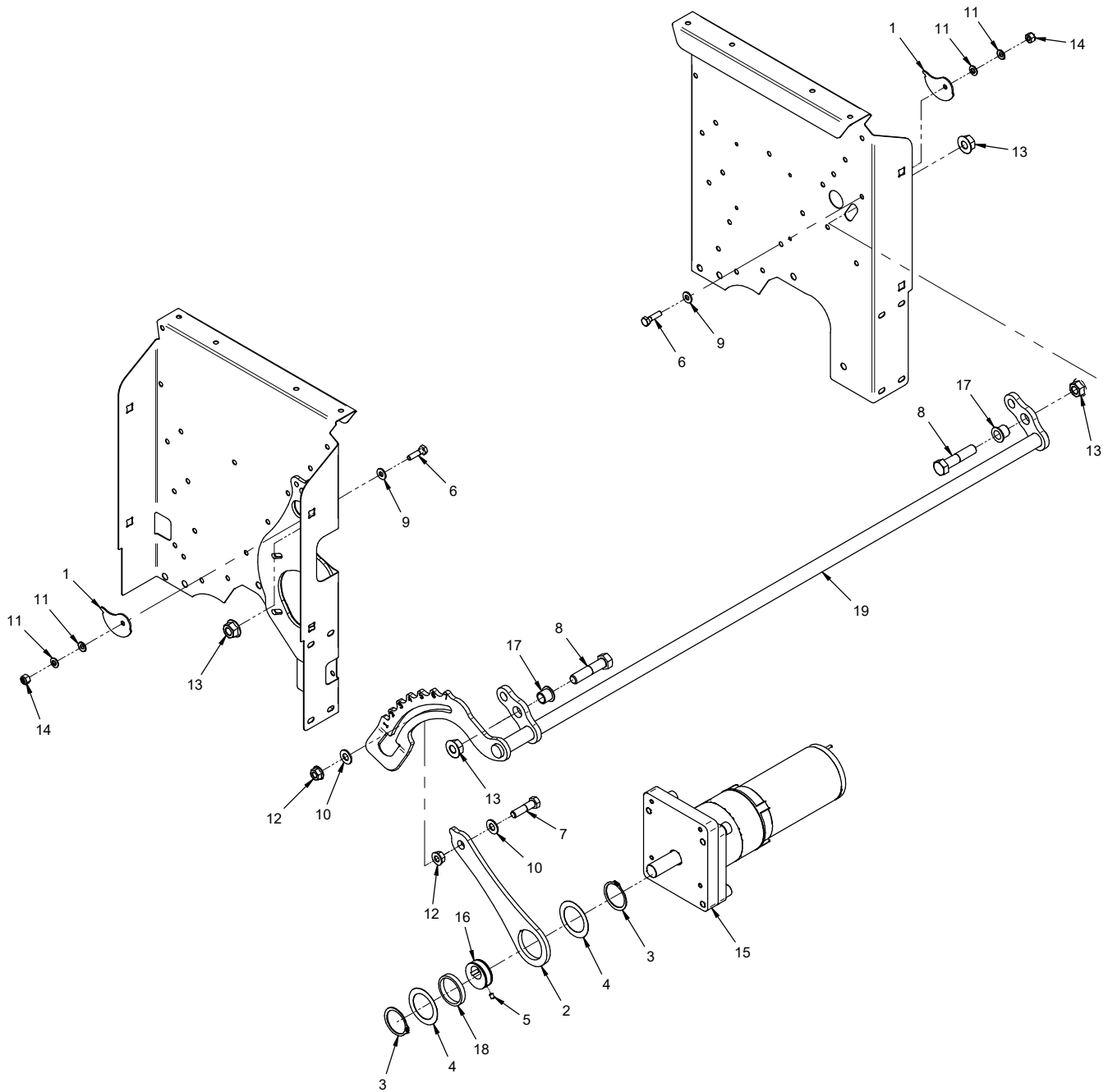
PARTS

Gate Panel & Guides

REF.	PART NO.	DESCRIPTION	QTY.
1	42.0573	Guide, Gate Bottom	2
2	60.1237	Panel, Gate SA Spreader.	1
3	64.1841	Rocker, Gate Control.	1
4	85.B0068	Bushing, 3/8 x 1/2 OD x 1/2 LG	2
5	44.0337	Panel, Gate Guide End	2
6	64.1845	Pin, Gate Control Rocker	2
7	00.0364	Decal, Warning Pinch Point	2
8	00.0631	Decal, Finger/hand Entanglement	2
9	99.0406-3	Bolt, 1/4-20 x 3/4 BSCS SS	18
10	90.0414-3	Bolt, 1/4-20 USS x 1-3/4" SS	2
11	99.SF04-3	Nut, SRF 1/4-20 USS Stainless	2
12	95.04-3	Washer, Flat 1/4 SAE SS	24
13	90.0404-3	Bolt, 1/4-20 USS x 1/2 SS	2
14	99.A04N-3	Locknut, Nylon 1/4-20 USS SS	20

PARTS

ILLUSTRATED DRAWING Gate Control Rocker



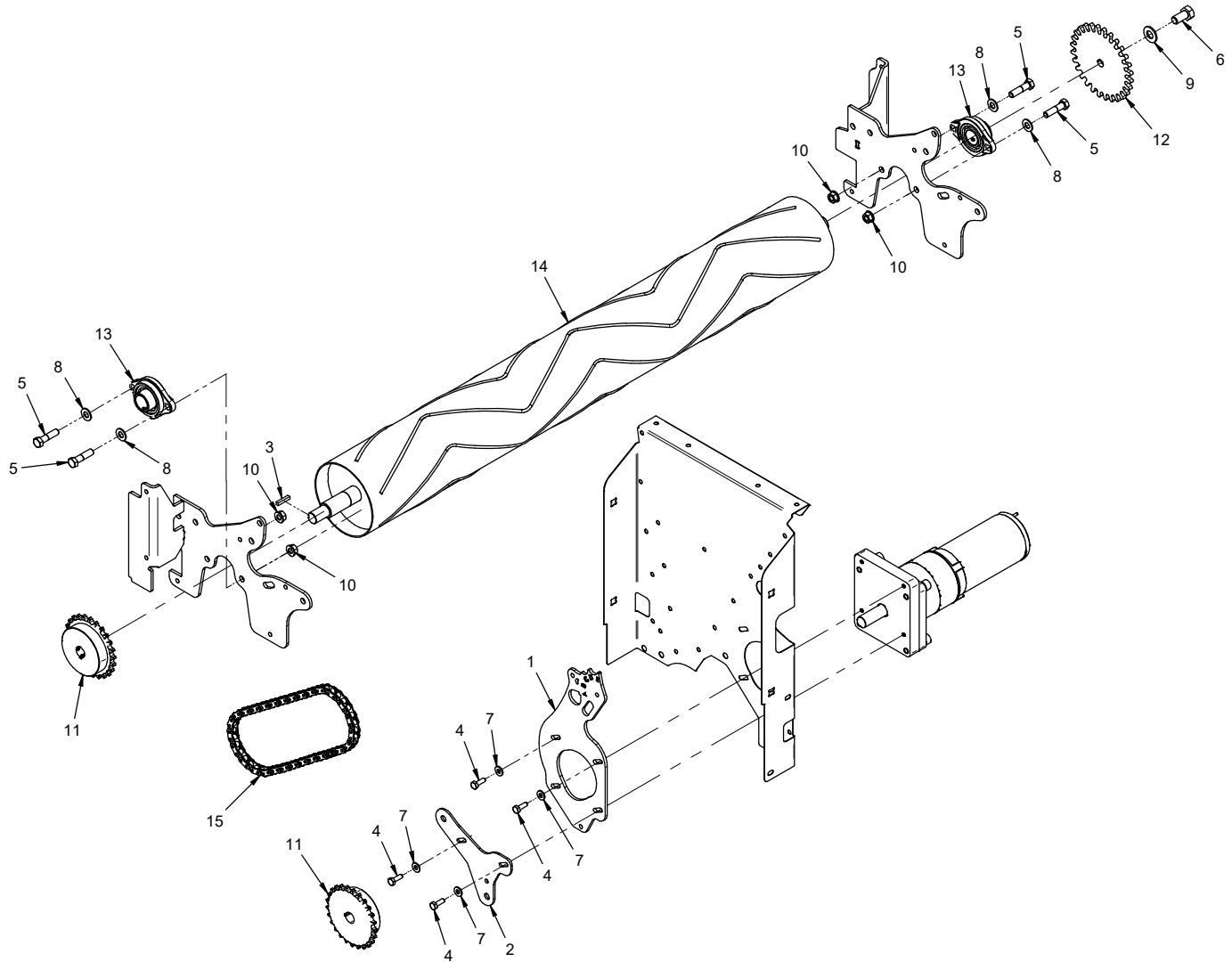
PARTS

Gate Control Rocker

REF.	PART NO.	DESCRIPTION	QTY.
1	SA-1051	Plate, Gate Indicator	2
2	42.0571	Link, SA Spreader Gate	1
3	04.0034	Snap Ring, Ext 1.387 x .05 THK	2
4	99.B0112	Shim, 1.5ID x 2.13 OD .020T SS	2
5	85.SS26	Set Screw, 10-32 x 1/4 SS	1
6	90.0408-3	Bolt, 1/4-20 UNC x 1 SS	2
7	90.0612-3	Bolt, 3/8-16 UNC x 1-1/2 SS	1
8	90.0818-3	Bolt, Hex 1/2-13 UNC x 2-1/4 SS	2
9	95.04-3	Washer, Flat 1/4 SAE SS	2
10	95.06-3	Washer, Flat 3/8 SAE SS	2
11	99.M0036	Washer, M6 Spring Lock 316 SS	4
12	99.SF06-3	Nut, SRF 3/8-16 USS Stainless	2
13	99.SF08-3	Nut, SRF 1/2-13 USS Stainless	4
14	99.A04N-3	Locknut, Nylon 1/4-20 UNC SS	2
15	37.0075	Motor, Elec Gear 1/6 HP 14 RPM	1
16	42.0568	Cam, Drive	1
17	85.B0027	Bushing, 1/2 ID X 5/8 OD X 5/8	2
18	85.B0092	Bushing, Bronze Sleeve	1
19	64.1841	Rocker, Gate Control	1

PARTS

ILLUSTRATED DRAWING Motor & Rotor



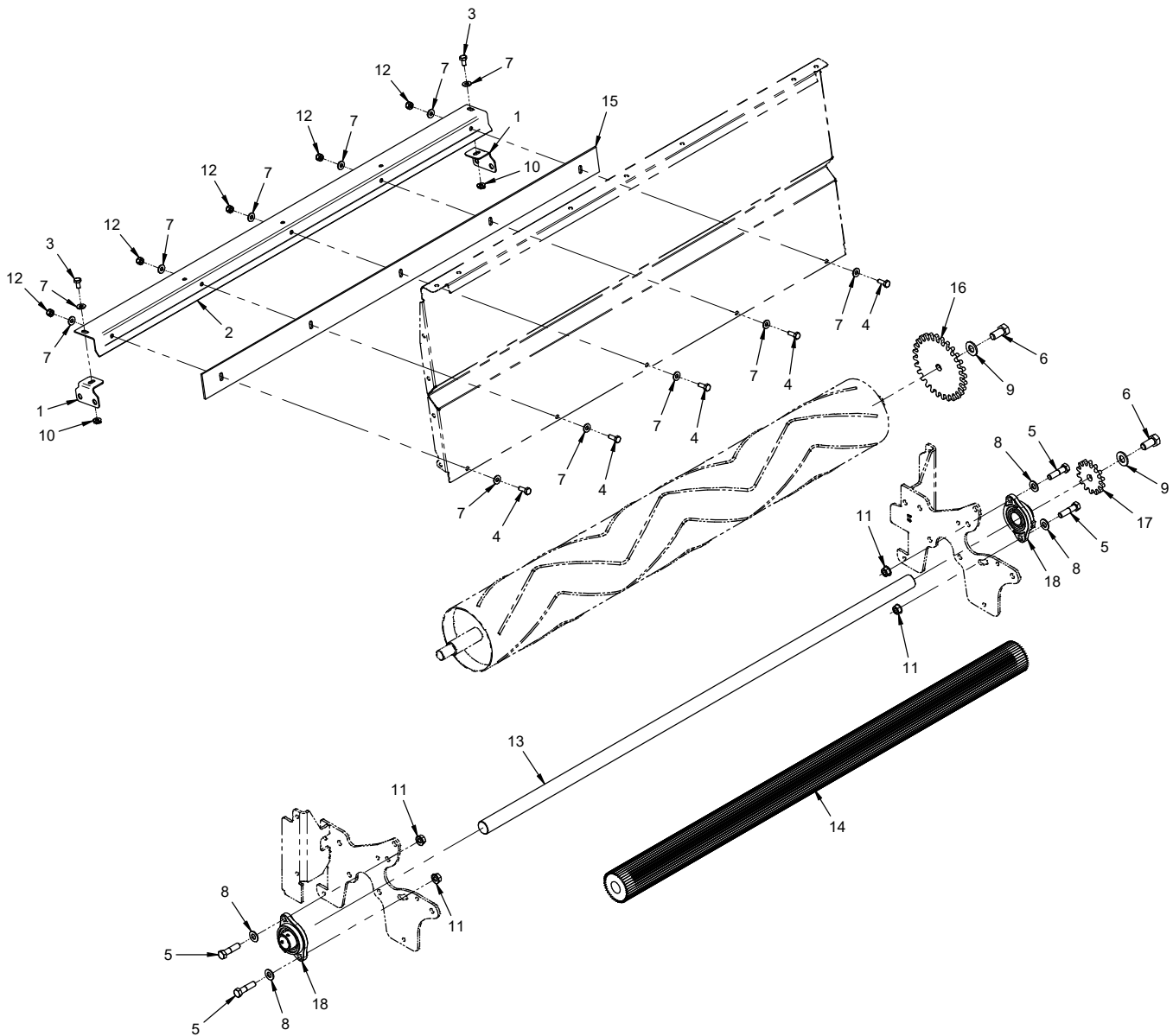
PARTS

Motor & Rotor

REF.	PART NO.	DESCRIPTION	QTY.
1	64.1839	.Stiffener, End Panel Left.	1
2	64.1943	.Plate, Motor End Support.	1
3	85.K0308-3	.Key, 3/16 X 1 SS	1
4	91.0406-3	.Bolt, 1/4-28 UNF x 3/4 SS	4
5	90.0612-3	.Bolt, 3/8-16 UNC x 1-1/2 SS	4
6	90.0808-3	.Bolt, 1/2-13 UNC x 1 SS	1
7	95.04-3	.Washer, Flat 1/4 SAE SS	4
8	95.06-3	.Washer, Flat 3/8 SAE SS	4
9	95.08-3	.Washer, Flat 1/2 SAE SS	1
10	99.SF06-3	.Nut, SRF 3/8-16 USS Stainless	4
11	83.402512SS	.Sprocket, #40 25-T 3/4" Bore, SS.	2
12	87.0237	.Gear, SA Spreader Rotor.	1
13	55.FB16016-3	.Bearing, Flange Block 1" ZP	2
14	SA-6001	.Rotor, SA252 Spreader	1
15	81.0155	.Chain, Roller #40 x 28-1/2" SS	1

PARTS

ILLUSTRATED DRAWING Front Bin Seal & Rear Roller Seal



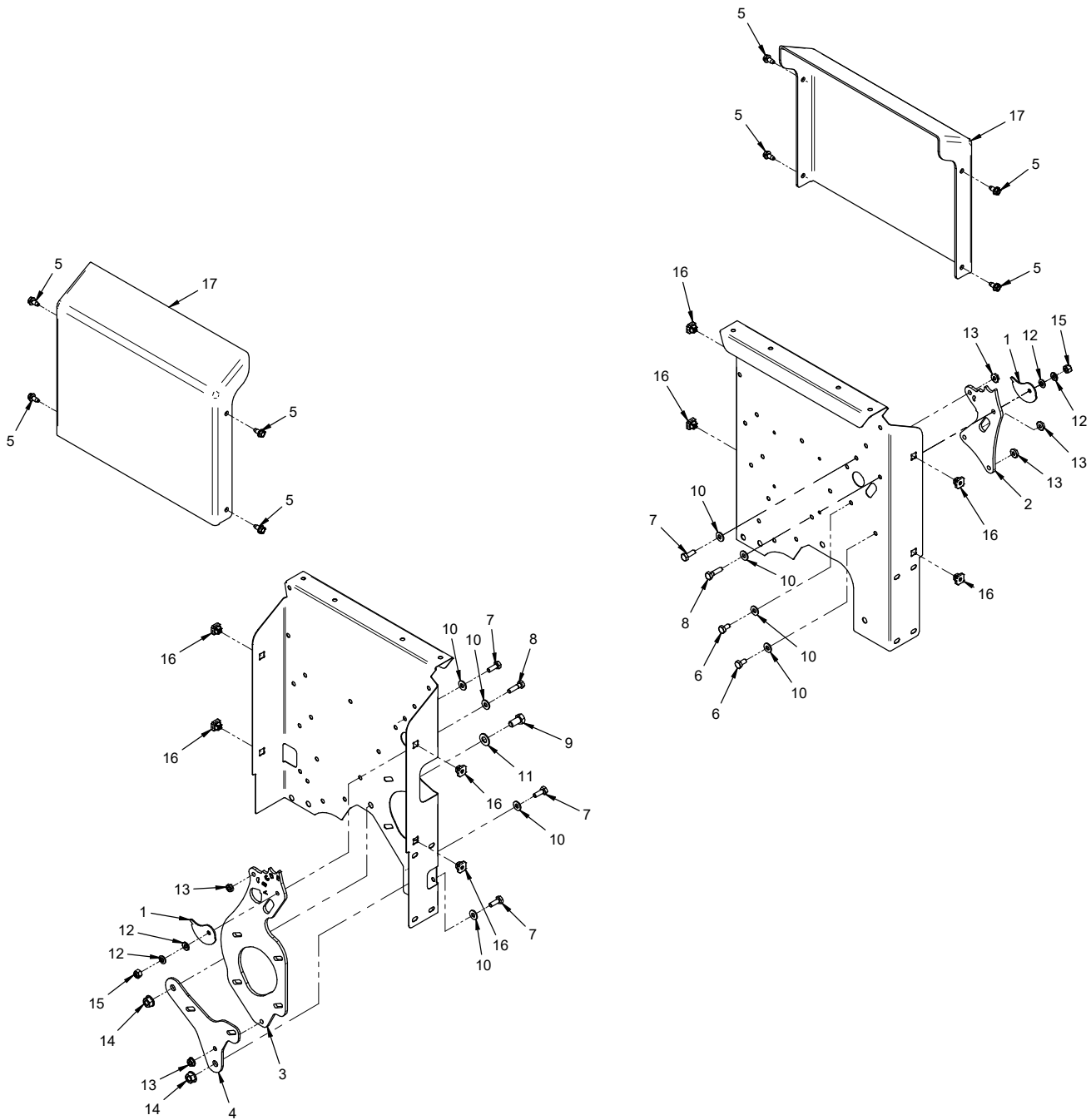
PARTS

Front Bin Seal & Rear Roller Seal

REF.	PART NO.	DESCRIPTION	QTY.
1	64.1837	.Bracket, Belting Clamp Mount	2
2	64.1820	.Clamp, Bin Front Belting Seal	1
3	90.0404-3	.Bolt, 1/4-20 UNC x 1/2 SS	2
4	90.0406-3	.Bolt, 1/4-20 UNC x 3/4 SS	5
5	90.0612-3	.Bolt, 3/8-16 UNC x 1-1/2 SS	4
6	90.0808-3	.Bolt, 1/2-13 UNC x 1 SS	2
7	95.04-3	.Washer, Flat 1/4 SAE SS	12
8	95.06-3	.Washer, Flat 3/8 SAE SS	4
9	95.08-3	.Washer, Flat 1/2 SAE SS	2
10	99.SF04-3	.Nut, SRF 1/4-20 USS Stainless	2
11	99.SF06-3	.Nut, SRF 3/8-16 USS Stainless	4
12	99.A04N-3	.Locknut, Nylon 1/4-20 UNC SS	5
13	80.0382	.Shaft, Tube Seal	1
14	44.0336	.Seal, Bin Rear Tube	1
15	44.0335	.Seal, Bin Front Belting	1
16	87.0237	.Gear, SA Spreader Rotor	1
17	87.0238	.Gear, SA Spreader Seal	1
18	55.FB16016-3	.Bearing, Flange Block 1" ZP	2

PARTS

ILLUSTRATED DRAWING End Panel Stiffeners, Covers, & Clamps



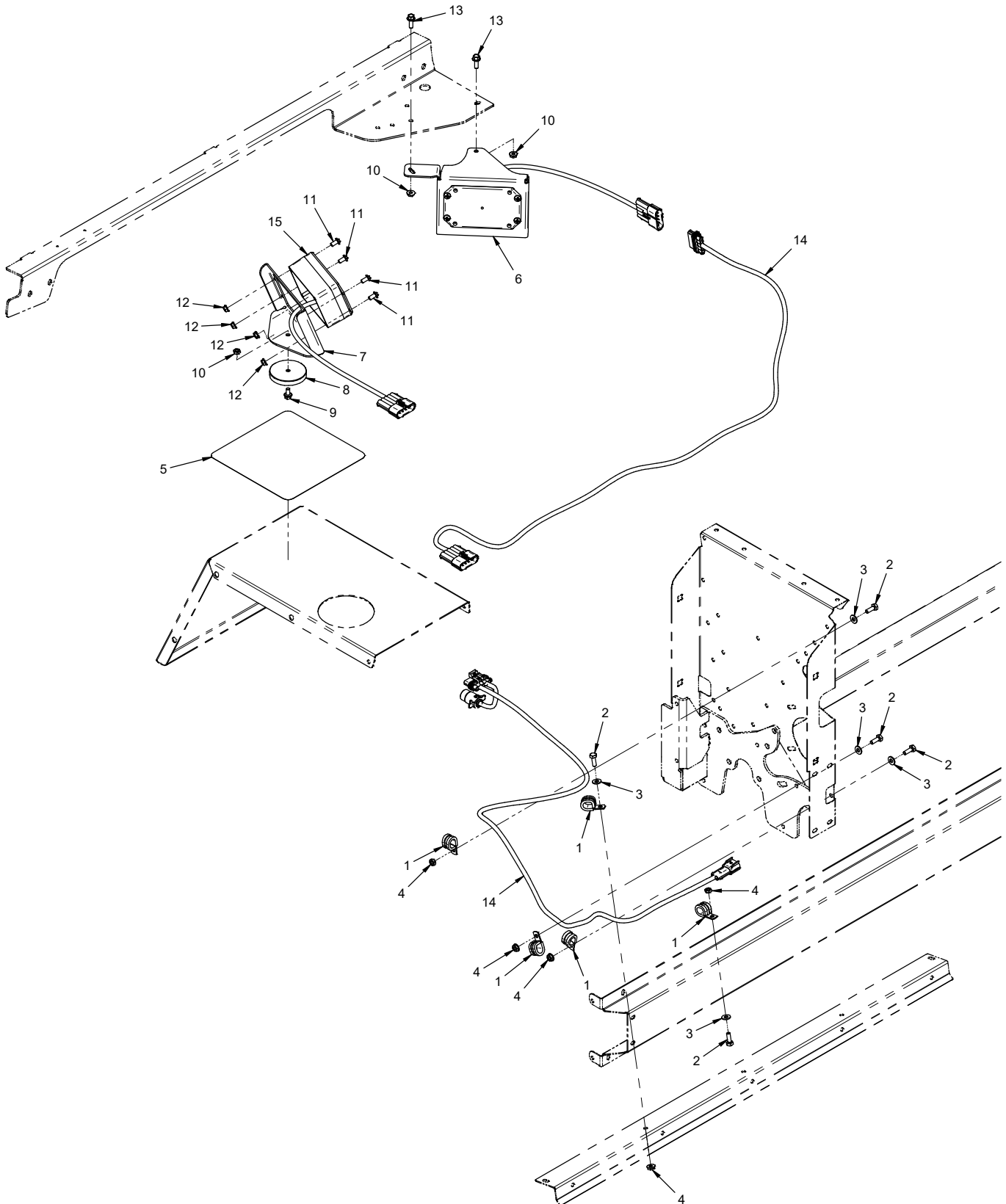
PARTS

End Panel Stiffeners, Covers, & Clamps

REF.	PART NO.	DESCRIPTION	QTY.
1	SA-1051	Plate, Gate Indicator	2
2	64.1838	Stiffener, End Panel Right	1
3	64.1839	Stiffener, End Panel Left	1
4	64.1943	Plate, Motor End Support	1
5	99.K0136	Bolt, 1/4-20 THD Form SS	8
6	90.0404-3	Bolt, 1/4-20 UNC x 1/2 SS	2
7	90.0406-3	Bolt, 1/4-20 UNC x 3/4 SS	4
8	90.0408-3	Bolt, 1/4-20 UNC x 1 SS	2
9	90.0606-3	Bolt, 3/8-16 UNC x 3/4SS	1
10	95.04-3	Washer, Flat 1/4 SAE SS	8
11	95.06-3	Washer, Flat 3/8 SAE SS	1
12	99.M0036	Washer, M6 Spring Lock 316 SS	4
13	99.SF04-3	Nut, SRF 1/4-20 USS Stainless	5
14	99.SF06-3	Nut, SRF 3/8-16 USS Stainless	2
15	99.A04N-3	Locknut, Nylon 1/4-20 UNC SS	2
16	99.E0116	Nut, Grommet 1/4"	8
17	SA-1030	Cover, SA Spreader End	2

PARTS

ILLUSTRATED DRAWING Controller & Harness



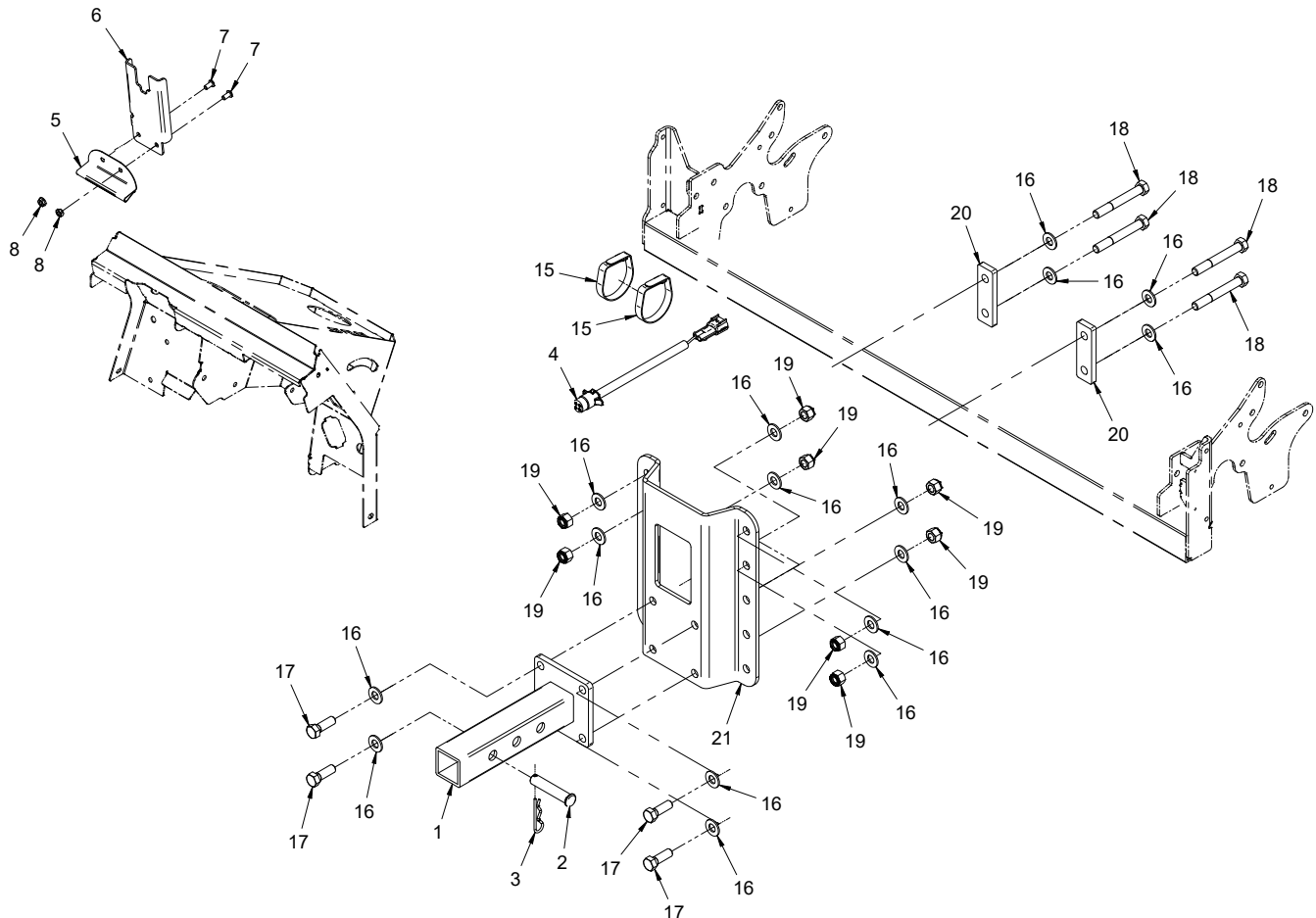
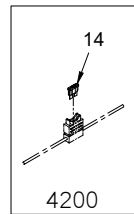
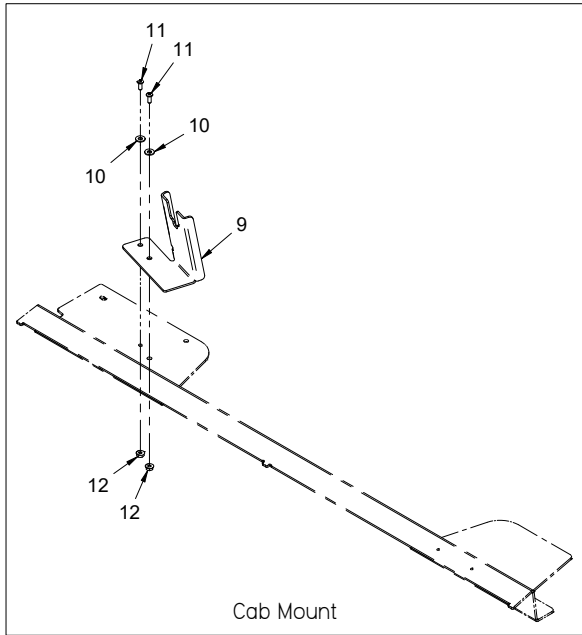
PARTS

Controller & Harness

REF.	PART NO.	DESCRIPTION	QTY.
1	11.0076	Clamp, Cushioned 1/2" SS	5
2	90.0406-3	Bolt, 1/4-20 UNC x 3/4 SS	5
3	95.04-3	Washer, Flat 1/4 SAE SS	5
4	99.SF04-3	Nut, SRF 1/4-20 USS Stainless	5
5	00.0798	Decal, Wear Resistant SA	1
6	SA-1006	Bracket, Controller w/ Cab	1
7	SA-1041	Bracket, Controller w/o cab	1
8	47.0534	Magnet, 2-5/8"OD x 3/8" THK	1
9	99.SF0404-1	Bolt, SMF 1/4-20 X 1/2	1
10	99.SF04	Nut, SRF 1/4-20 USS	3
11	99.K0165	Machine Screw, #10-32 x 1/2 SS	4
12	99.E0125	Nut, SRF #10-32 UNF Stainless	4
13	99.SF0406-1	Bolt, SMF 1/4-20 X 3/4	2
14	32.0272	Harness, Wire SA	1
15	35.0165	Controller, 12V DC, Potted	2

PARTS

ILLUSTRATED DRAWING 70.8140 SA250 Install For 4200/4500/4520 Kit



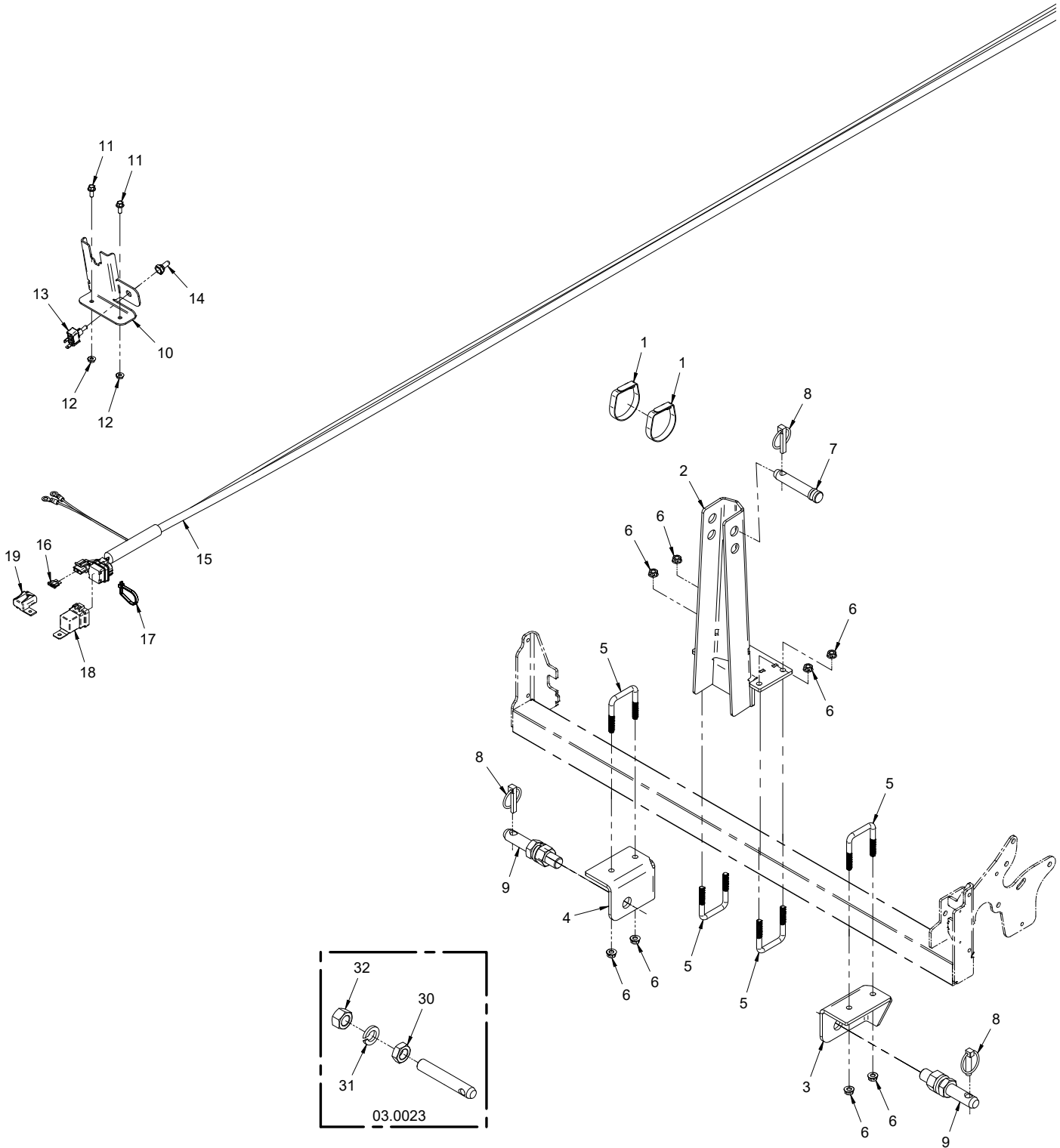
PARTS

70.8140 SA250 Install For 4200/4500/4520 Kit

REF.	PART NO.	DESCRIPTION	QTY.
1	62.1412	Hitch, SA Spreader 4000 Series	1
2	03.1024	Clevis Pin, 5/8 X 3 OAL	1
3	02.HP0420	Hairpin, 1/8 X 2 1/2	1
4	32.0146	Harness, Wire SA Conn. 4 Pin	1
5	62.1422	Base, Transmitter Mount	1
6	64.1856	Mount, Transmitter	1
7	99.0404	Bolt, 1/4-20 x 1/2 BSCS	2
8	99.SF04	Nut, SRF 1/4-20 USS	2
9	64.1847	Mount, Transmitter 4200/4500/4520	1
10	99.B0051	Washer, Flat #10	2
11	99.K0062	Machine Screw, #10-32 X 1/2	2
12	99.E0035	Nut, SRF #10-32	2
14	30.0203	Fuse, 20 Amp, ATC Blade Yellow	1
15	30.0411	Velcro, Cable Tie	2
16	95.08-3	Washer, Flat 1/2 SAE SS	16
17	90.0812-3	Bolt, 1/2-13 USS x 1-1/2 SS	4
18	90.0830-3	Bolt, 1/2-13 USS x 3-3/4 SS	4
19	99.A08N-3	Locknut, Nylon 1/2-13 USS SS	8
20	64.1850	Plate, Spreader Hitch	2
21	64.1849	Mount, Spreader Hitch	1

PARTS

ILLUSTRATED DRAWING 70.8143 SA250 Install 3 Point Hitch Kit



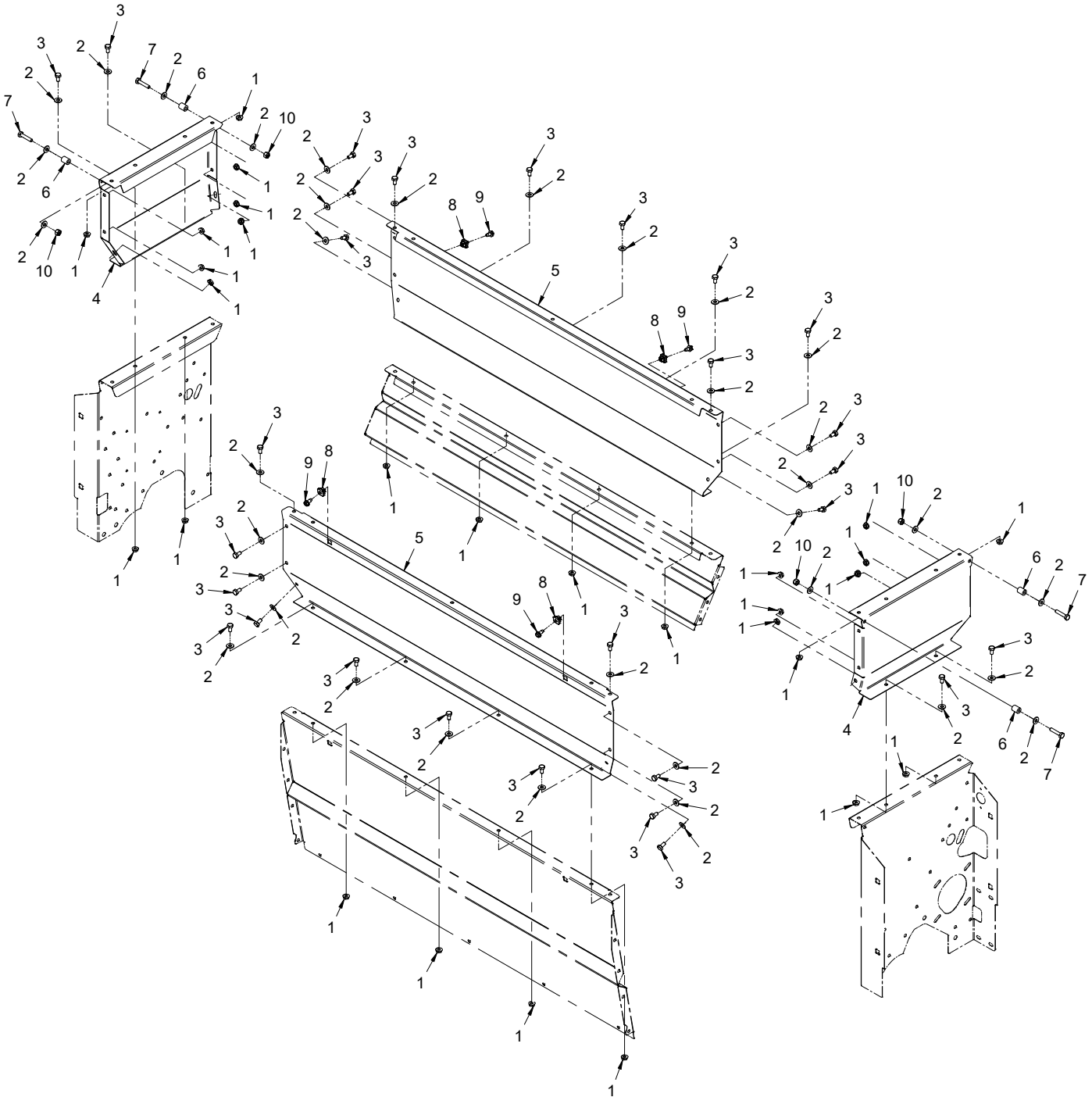
PARTS

70.8143 SA250 Install 3 Point Hitch Kit

REF.	PART NO.	DESCRIPTION	QTY.
1	30.0411	Velcro, Cable Tie	2
2	62.1415	Hitch, SA Spreader 3PT TopLink	1
3	62.1420	Bracket, SA Spreader 3-PT Left	1
4	62.1421	Bracket, SA Spreader 3 PT Right	1
5	11.0053	U-Bolt, 3/8-16 2-1/16 ID SQ	4
6	99.E0082	Nut, Locking Flange 3/8-16	8
7	03.0004	Pin, Top Link Category 1	1
8	03.0005	Pin, Linch	3
9	03.0023	Pin, Lift Arm 7/8" x 5-3/4.	2
10	64.1848	Mount, Transmitter Universal	1
11	99.SF0405-1	Bolt, SMF 1/4-20 X 5/8.	2
12	99.SF04	Nut, SRF 1/4-20 USS	2
13	31.0034	Switch, Toggle On/Off Spst	1
14	30.0157	Boot, Toggle Switch.	1
15	32.0147	Harness, Wire SA Conn. Univ.	1
16	30.0203	Fuse, 20 Amp, ATC Blade Yellow	1
17	30.0037	Tyton Tie, #50 .18 x 8 Black	6
18	35.0122	Relay, 12V 20/40A Mini Sealed.	1
19	30.0478	Cap, MP630 Fuse	1
30	99.E0074	Nut, Jam 7/8-14 SAE	1
31	96.14	Washer, Lock 7/8	1
32	93.14	Nut, 7/8-14 SAE	1

PARTS

ILLUSTRATED DRAWING 70.8149 Hopper Extension Kit



PARTS

70.8149 Hopper Extension Kit

REF.	PART NO.	DESCRIPTION	QTY.
1	99.SF04-3	Nut, SF 1/4-20 USS Stainless	28
2	95.04-3	Washer, Flat 1/4 SAE SS	36
3	90.0404-3	Bolt, 1/4-20 USS x 1/2 SS	28
4	60.1234	Panel, Bin Ext Left/Right.	2
5	60.1233	Panel, Bin Extension Frnt/Rear	2
6	05.0142	Spacer, 1/4 ID x 1/2 OD x 5/8L.	4
7	90.0410-3	Bolt, 1/4-20 USS x 1-1/4 SS.	4
8	99.E0116	Nut, Grommet 1/4"	4
9	99.K0136	Bolt, 1/4-20 x 1/2 Thd Form SS	4
10	99.A04N-3	Locknut, Nylon 1/4-20 USS SS	4