



Fisher Engineering

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89930, 89910

February 15, 2023
Lit. No. 74147, Rev. 13



Hopper and Drive Components

**STEEL-CASTER™ Hopper Spreaders
0.35 yd³ & 0.7 yd³ For Half-Ton Trucks**

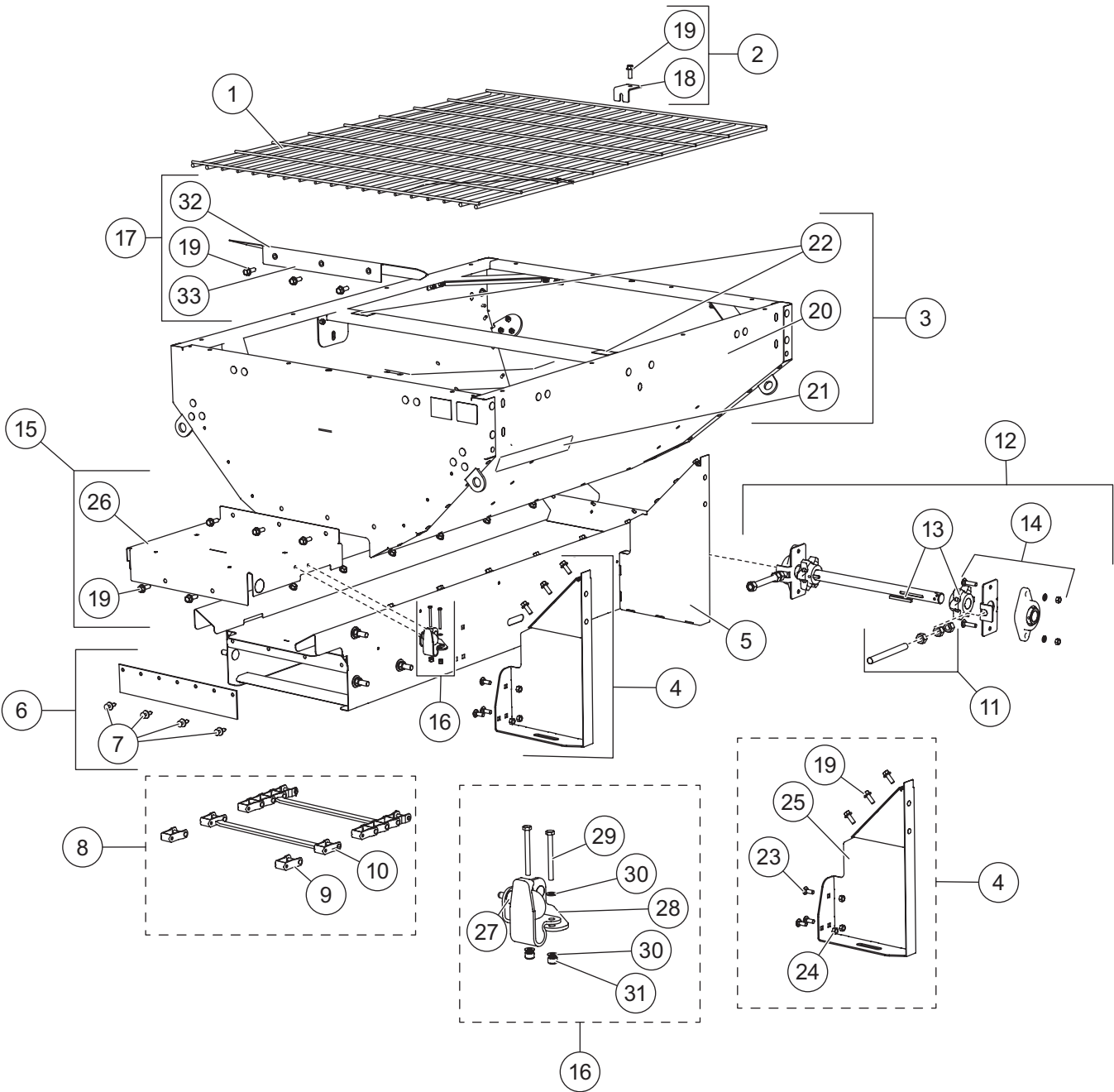
Parts List



This Parts List is for FISHER® STEEL-CASTER hopper spreaders
with serial numbers beginning with 200706 and higher.

STEEL-CASTER™ HOPPER SPREADER

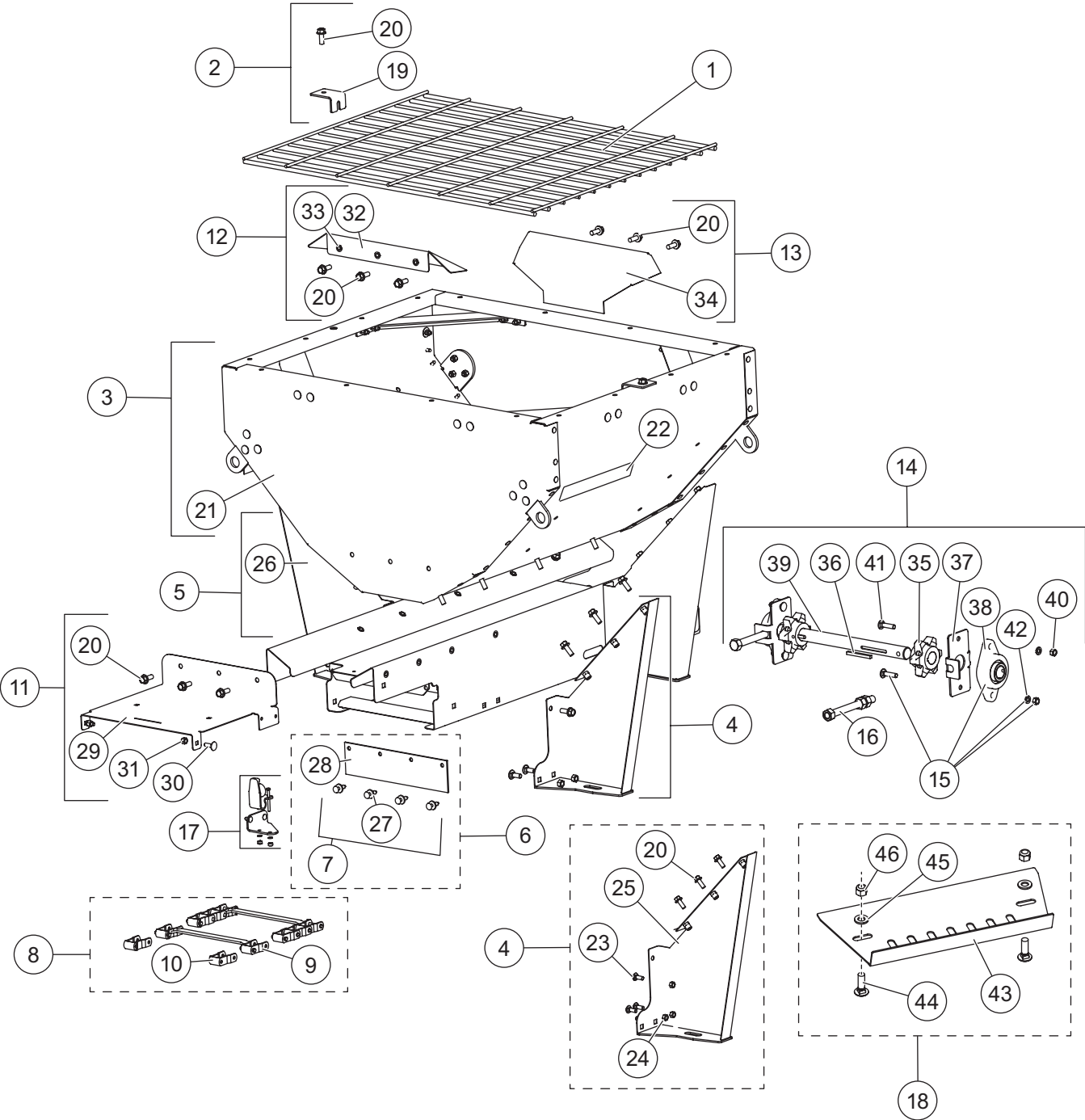
HOPPER COMPONENTS – 0.7 yd³



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STEEL-CASTER™ HOPPER SPREADER

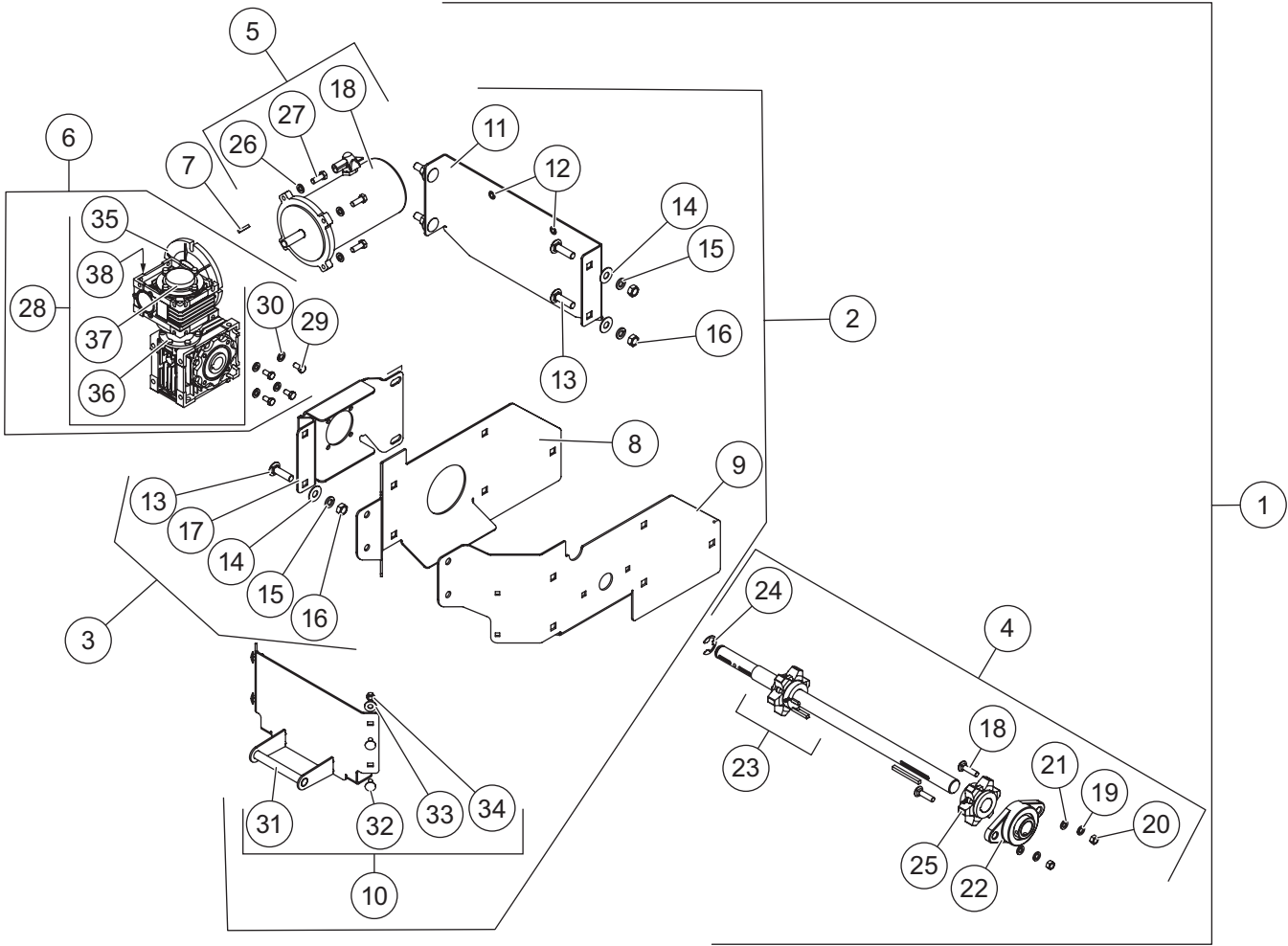
HOPPER COMPONENTS – 0.35 yd³



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STEEL-CASTER™ HOPPER SPREADER

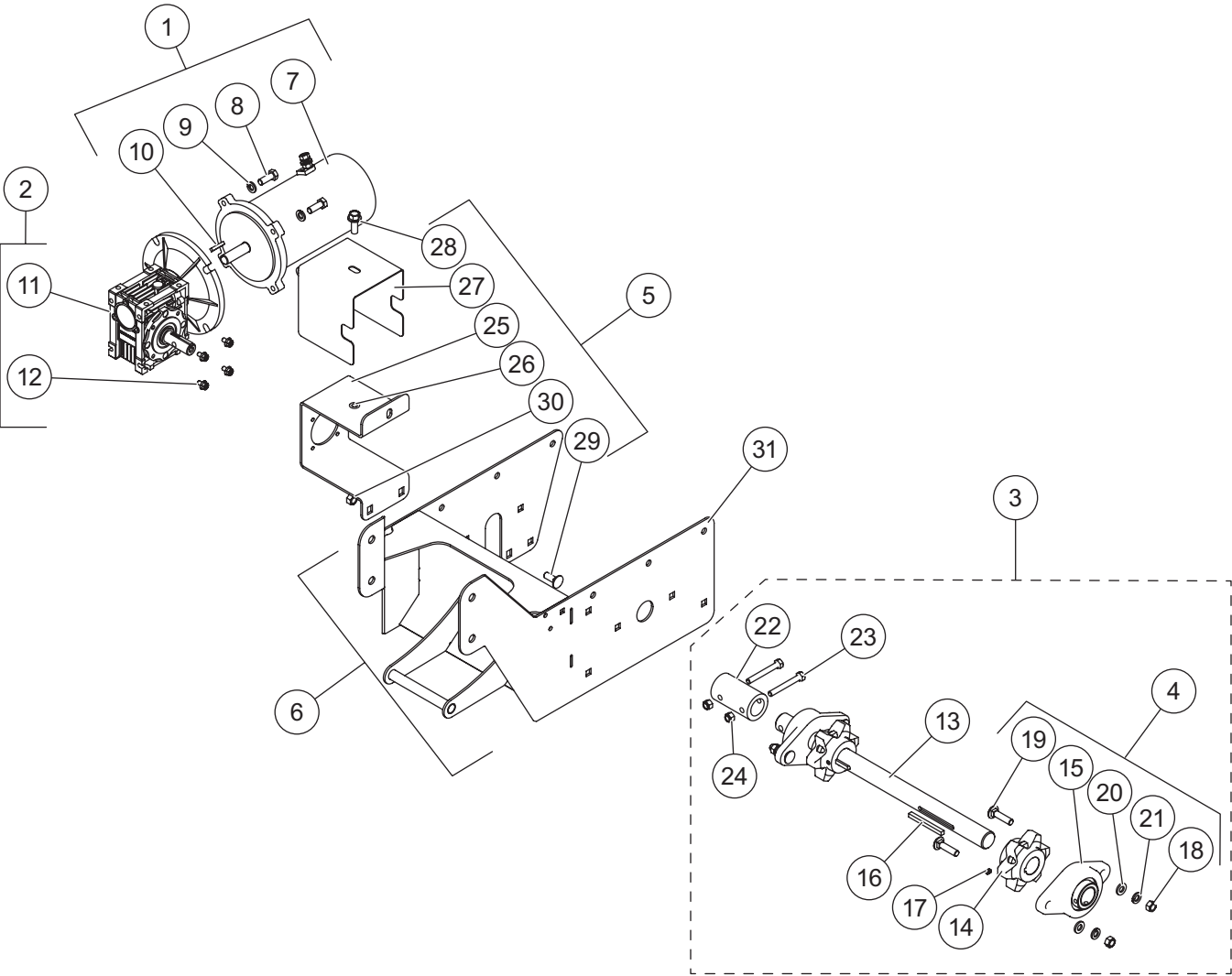
POWERGROUP COMPONENTS – 0.7 yd³



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POWERGROUP COMPONENTS – 0.35 yd³

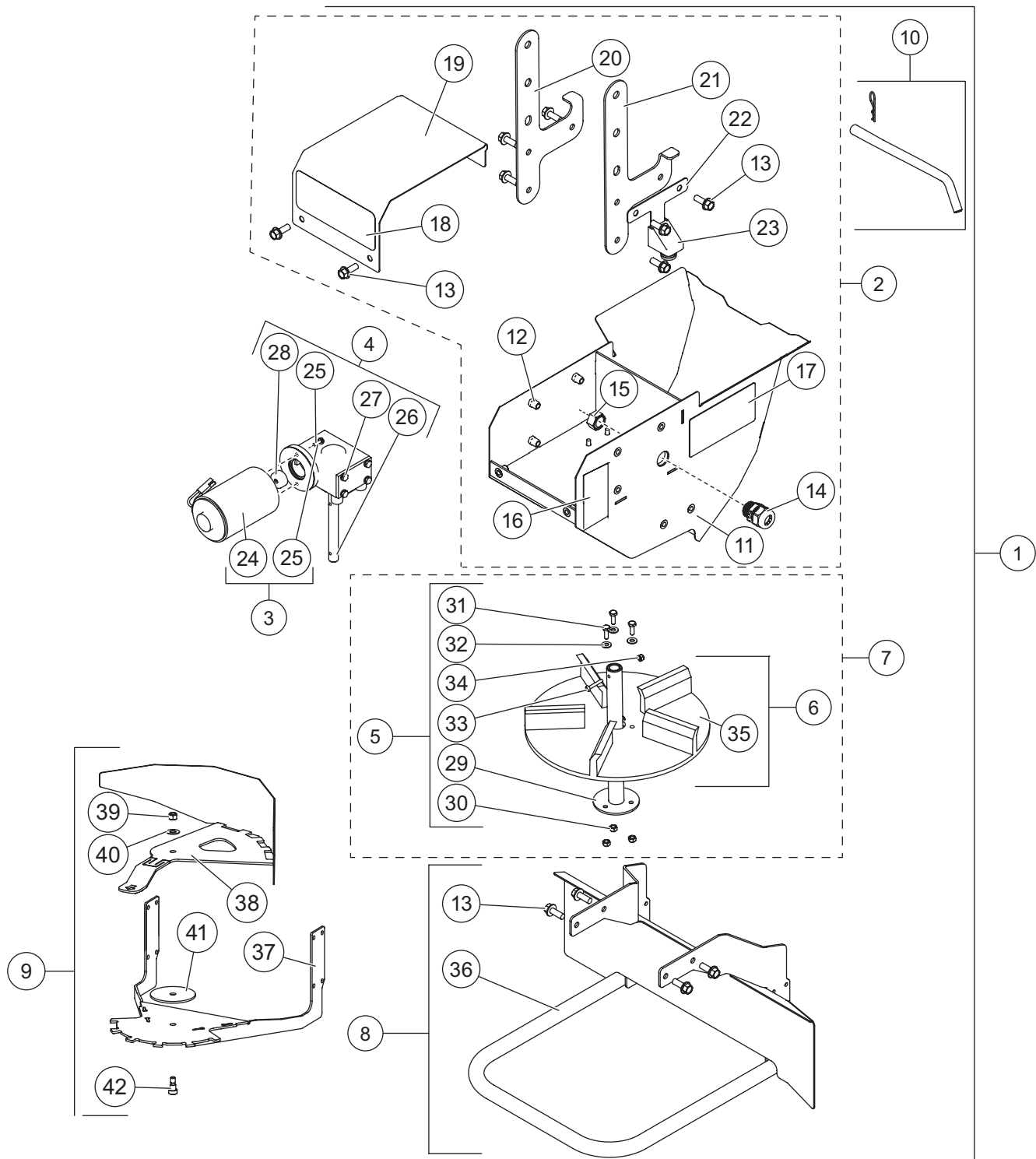


STEEL-CASTER™ HOPPER SPREADER

Powergroup Components – 0.35 yd ³							
Item	Part	Qty	Description	Item	Part	Qty	Description
1	85479	1	Motor, 1/2 hp, 1750 rpm	4	94953	2	Spreader Bearing Kit
2	83267	1	Transmission Service Kit, 80:1	5	83263	1	Gear Box Bracket Kit – 0.35 yd ³
3	83264	1	Drive Shaft Kit – 0.35 yd ³	6	83262	1	Powergroup Mount Kit – 0.35 yd ³
Item 1 85479 Motor, 1/2 hp, 1750 rpm							
7	D6825-1	1	Motor, 1/2 hp, 1750 rpm	9		4	3/8 Spring Lock Washer SS
8		4	3/8-16 x 1 Hex Cap Screw SS	10	65195	1	Machine Key, 0.188 sq x 1.000
Item 2 83267 Transmission Service Kit, 80:1							
11	10923	1	Transmission, 80:1 MRVC 040	12		1	M6-1 x 10 Flanged Hex Cap Screw
Item 3 83264 Drive Shaft Kit – 0.35 yd³							
13	74661	1	Gear Box Shaft	19		4	3/8-16 x 1-1/2 Carriage Bolt
14	65909	2	Drive Sprocket Machining 6T	20		4	3/8 Flat Washer Type A Wide SS
15	94536	2	2-Bolt Flange Bearing, 1.125 ID	21		4	3/8 Spring Lock Washer SS
16	95076	2	2.75" Brass Key	22	74678	1	Drive Shaft Coupler – 0.35 yd ³
17		2	1/4-20 x 3/8 Socket Set Screw	23		2	5/16 x 2-1/4 Hex Cap Screw
18		4	3/8-16 Hex Nut SS	24		2	5/16-18 Hex Locknut GB
Item 4 94953 Spreader Bearing Kit							
15	94536	1	2-Bolt Flange Bearing, 1.125 ID	20		2	3/8 Flat Washer Type A Wide SS
18		2	3/8-16 Hex Nut SS	21		2	3/8 Spring Lock Washer SS
19		2	3/8-16 x 1-1/2 Carriage Bolt				
Item 5 83263 Gear Box Bracket Kit – 0.35 yd³							
25		1	Gear Box Mount Bracket – 0.35 yd ³	28		2	3/8-16 x 1 Hex Cap Screw, SS
26		1	3/8-16 Hex Rivnut SS	29		2	3/8-16 x 1 Carriage Bolt
27		1	Motor Coupler Guard	30		2	3/8-16 Hex Locknut GB
Item 6 83262 Powergroup Mount Kit – 0.35 yd³							
31		1	Chain Powergroup Mount – 0.35 yd ³	ns		2	3/8-16 x 1 Carriage Bolt
ns		6	3/8-16 x 1 Hex Cap Screw, SS	ns		2	3/8-16 Hex Locknut GB
SS = Stainless Steel				G = Grade			
				ns = not shown			
				M = Metric			

STEEL-CASTER™ HOPPER SPREADER

CHUTE & SPINNER DRIVE ASSEMBLY COMPONENTS – 0.7 yd³ & 0.35 yd³

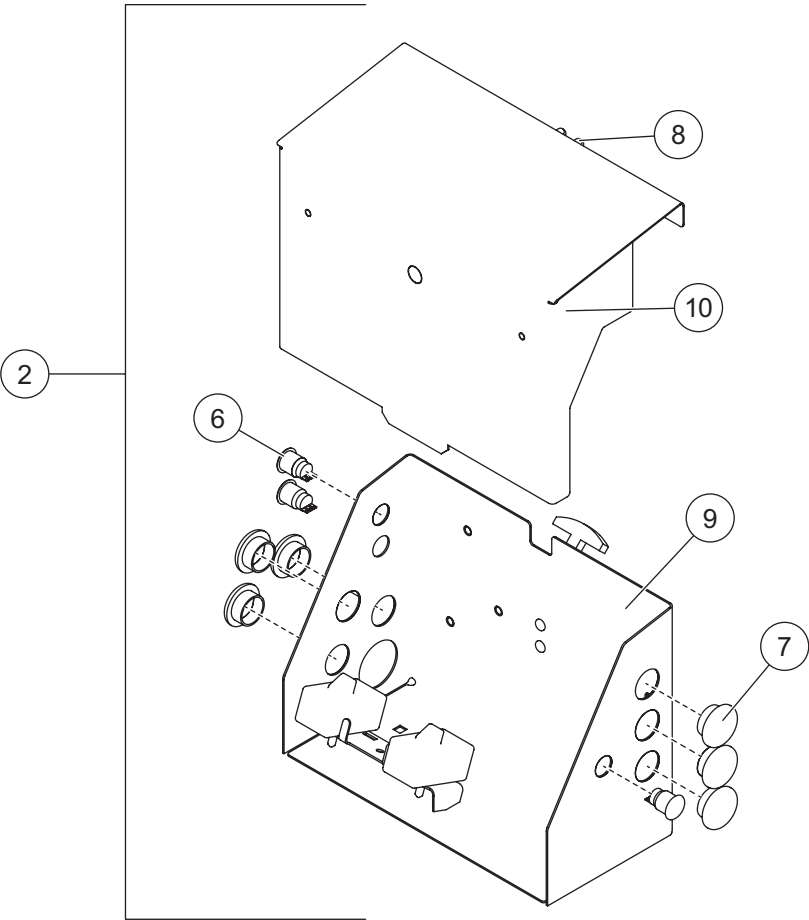
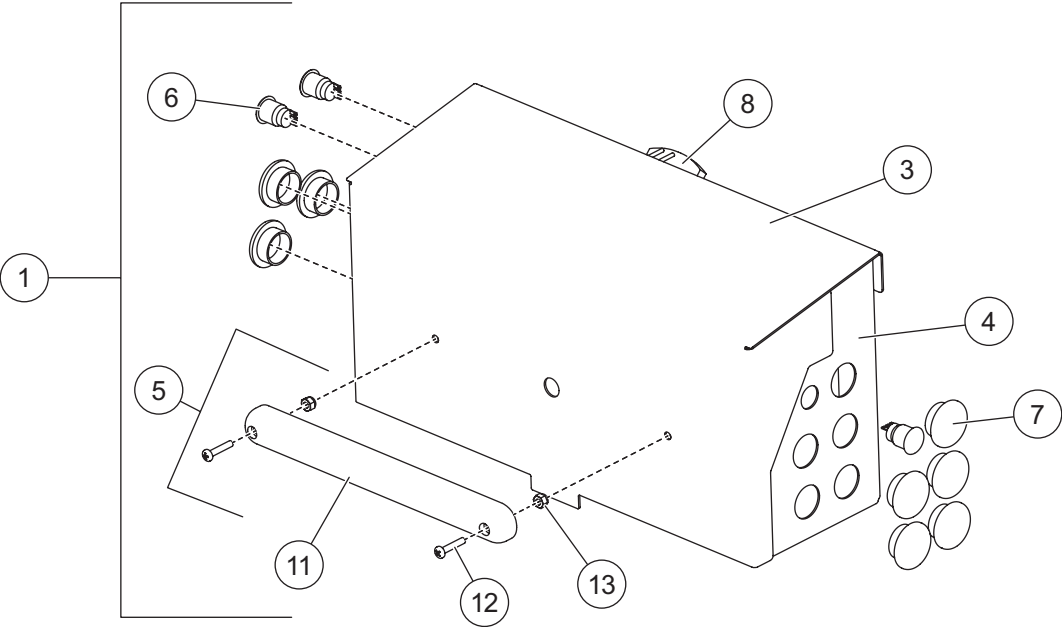


STEEL-CASTER™ HOPPER SPREADER

Chute & Spinner Drive Assembly Components							
Item	Part	Qty	Description	Item	Part	Qty	Description
1	83890	1	Chute Assembly	6	85438	1	Spinner Disk Service Kit
2	83888	1	Spinner Drive Housing	7	83887	1	Spinner Disk and Mount Kit
3	75901	1	Spinner Motor Service Kit	8	85437	1	Spinner Guard Service Kit
4	83722	1	Spinner Transmission Kit	9	83270	1	Shutter Accessory, Chute
5	83889	1	Spinner Mount Kit				
Item 1 83890 Chute Assembly							
	74690	1	Spinner Drive Assembly	10	30879	2	Chute Pin Kit
Item 2 83888 Spinner Drive Housing							
11		1	Chute Motor Enclosure	18	30917EN	1	Label – Warning, No Step
12		12	3/8-16 Hex Rivnut SS	19		1	Chute Motor Cover
13		12	3/8-16 x 1 Serrated Flange Hex Cap Screw SS	20	91639	1	Chute Hanger, DS
14		1	10/2 3/4 NPT Strain Relief	21	91641	1	Chute Hanger, PS
15		1	3/4 Nut, Nylon	22		1	Cable Boot Bracket
16	32593EN	2	Label – Warning, Multiple Pinch Points	23	11992	1	Dust Cover, Spinner Harness
17	92969	1	Label – Warning, Chute Disconnect	ns	11100	1	Label – Warning, Rear Camera
Item 3 75901 Spinner Motor Service Kit							
24	72690	1	Motor	25		2	#10-32 x 5/8 Hex Cap Screw
Item 4 83722 Spinner Transmission Kit							
25		2	#10-32 x 5/8 Hex Cap Screw	27		4	1/4-20 x 1/2 Hex Cap Screw
26	D6107	1	Worm Transmission 8:1, 5.9" Shaft	28	D6232	1	Motor Drive Coupler
Item 5 83889 Spinner Mount Kit							
29		1	Spinner Hub	32		3	1/4 Flat Washer Type A Narrow
30		3	1/4-20 Hex Locknut GB	33		2	#10-32 x 2 Hex Cap Screw
31		3	1/4-20 x 3/4 Hex Cap Screw SS	34		2	#10-32 Hex Locknut GB
Item 6 85438 Spinner Disk Service Kit							
35	D6823	1	12 x 5/8 Spinner	ns		3	1/4 Flat Washer SS
ns		3	1/4-20 x 1 Serrated Flange Hex Cap Screw SS	ns		3	1/4-20 Nylon Nut
Item 7 83887 Spinner Disk and Mount Kit							
5	83889	1	Spinner Mount Kit	6	85438	1	Spinner Disk Service Kit
Item 8 85437 Spinner Guard Service Kit							
13		4	3/8-16 x 1 Serrated Flange Hex Cap Screw SS	36		1	Deflector
Item 9 83270 Shutter Accessory, Chute							
30		4	1/4-20 Hex Locknut GB	39		1	5/16-18 Hex Locknut GB SS
31		4	1/4-20 x 3/4 Hex Cap Screw SS	40		1	3/8 Flat Washer SS
37		1	Shutter Mount	41		1	Plastic Washer
38		1	Shutter Deflector	42		1	3/8 x 5/16 x 5/16-18 Shoulder Bolt SS
Item 10 30879 Chute Pin Kit							
		1	Chute Locking Pin			1	3/32 x 2-1/4 Hairpin Cotter
G = Grade		SS = Stainless Steel		ns = not shown			

STEEL-CASTER™ HOPPER SPREADER

ELECTRICAL ENCLOSURE ASSEMBLY – 0.7 yd³ & 0.35 yd³

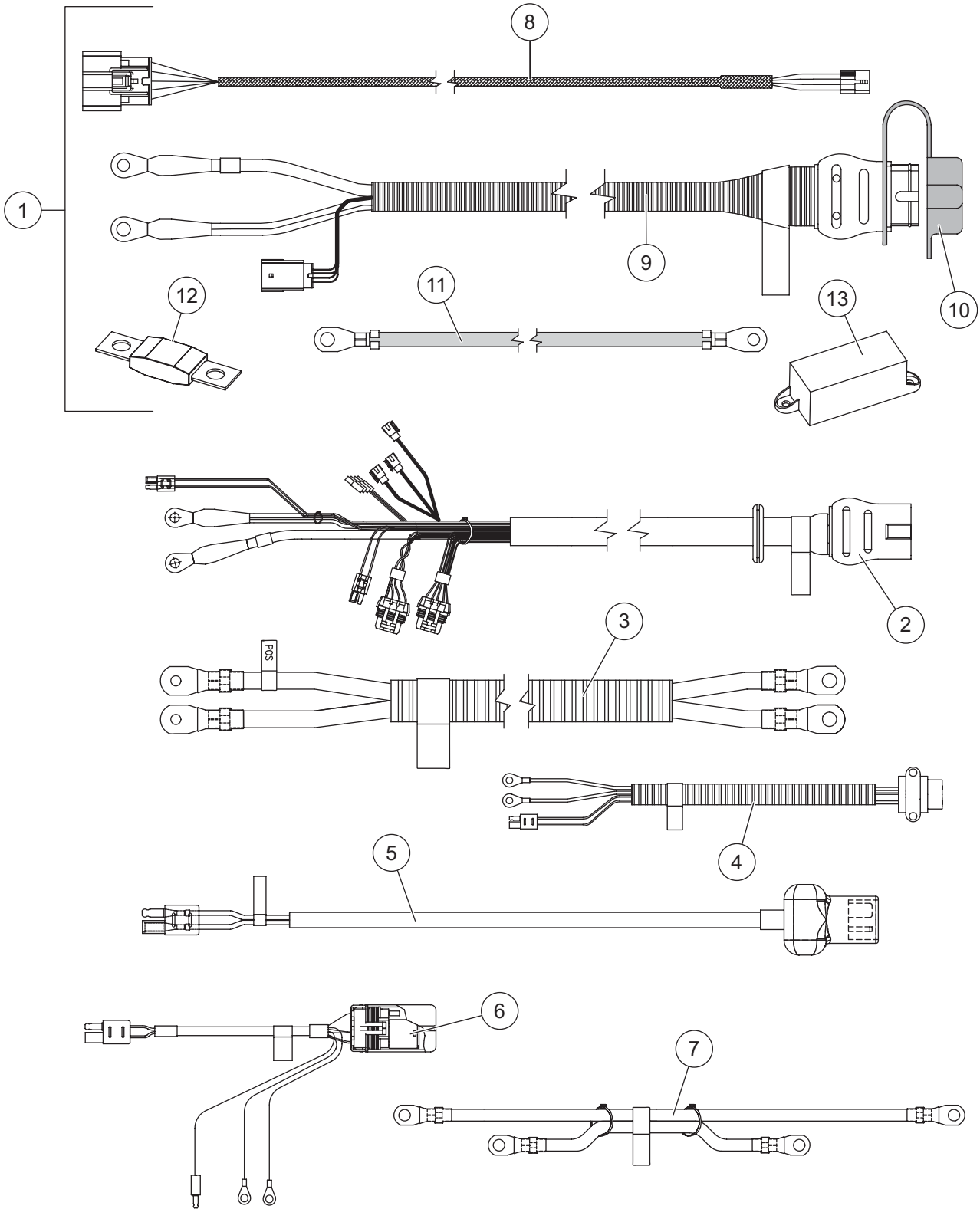


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Electrical Enclosure Components							
Item	Part	Qty	Description	Item	Part	Qty	Description
1	83299	1	Electrical Box Assembly – 0.7 yd ³	2	83292	1	Electrical Box Assembly – 0.35 yd ³
Item 1				83299 Electrical Box Assembly – 0.7 yd³			
3		1	Mailbox Cover	8		1	Keeper
4		1	Electrical Enclosure – 0.7 yd ³	ns		1	Rubber Latch Assembly
5	99080	1	CHMSL Kit	ns		4	3/16 Pop Rivet
6	99254	3	Switch, Push Button MO	ns	85480	1	Label – Information, Feed/Work Light
7	99195	8	Break-Thru Plug	ns	85481	1	Label – Information, Feed Light
Item 2				83292 Electrical Box Assembly – 0.35 yd³			
6	99254	3	Switch, Push Button MO	ns		1	Rubber Latch Assembly
7	99195	6	Break-Thru Plug	ns		4	3/16 Pop Rivet
8		1	Keeper	ns	85480	1	Label – Information, Feed/Work Light
9		1	Electrical Enclosure – 0.35 yd ³	ns	85481	1	Label – Information, Feed Light
10		1	Mailbox Cover – 0.35 yd ³				
Item 5				99080 CHMSL Kit			
11		1	CHMSL w/8" Lead	13		2	#10-32 Hex Locknut GB SS
12		2	#10-32 x 1 Machine Screw				
G = Grade				SS = Stainless Steel		ns = not shown	

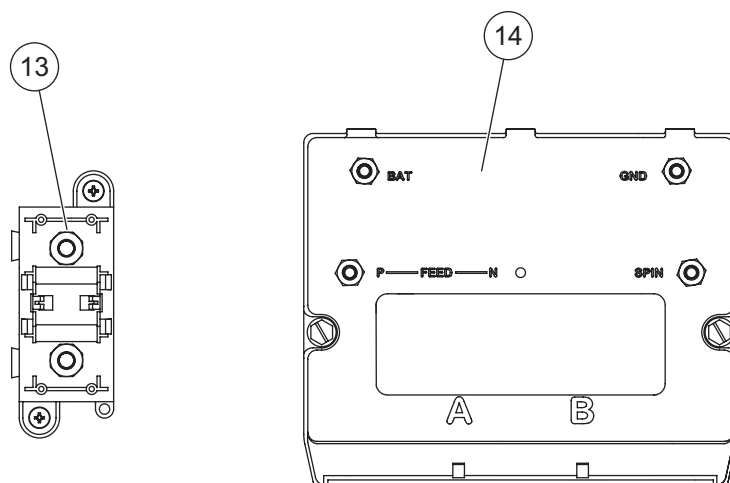
STEEL-CASTER™ HOPPER SPREADER

ELECTRICAL COMPONENTS – 0.7 yd³ & 0.35 yd³



Not drawn to scale.

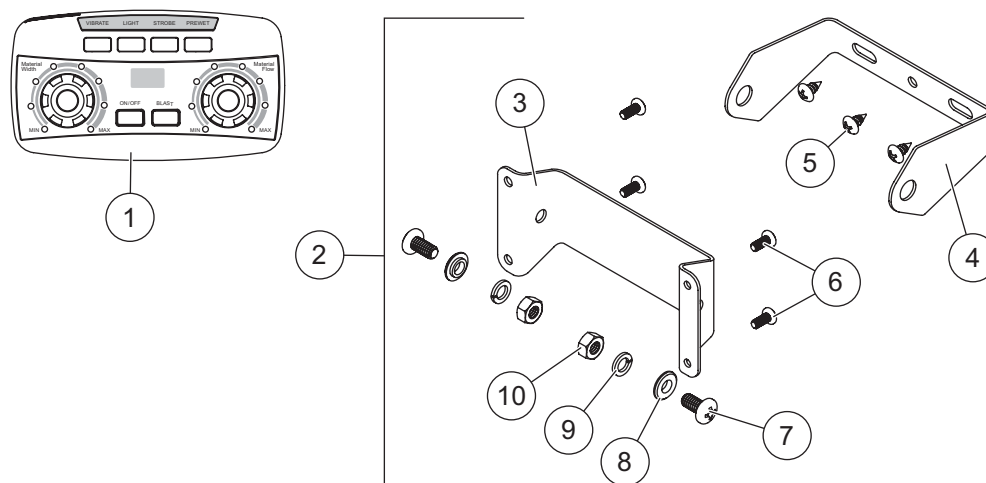
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Cables & Harnessing, Electrical Components							
Item	Part	Qty	Description	Item	Part	Qty	Description
1	78402	1	Vehicle-Side Harness Kit, 300"	6	78382	1	Vibrator Harness Assembly
	85692	1	Vehicle-Side Harness Kit, 140"	7	78385	1	Module to Isolated Stud Cable Assy
2	83688	1	Hopper Cable Assembly	ns	83712	1	Vibrator Extension Harness, 24"
3	78987	1	Module to Auger Motor Cable Assy	ns	69916	1	8-Pin Cable Boot
4	85448	1	Spinner Module Cable Assembly	ns	61592	1	Butt Splice
5	78883	1	Spinner Motor Cable Assembly				
Item 1 78402 Vehicle-Side Harness Kit, 300"							
8	69902	1	Vehicle Control Harness	12	95836	1	Fuse, 100A
9	83690	1	Vehicle Harness Assy (incl. item 10)	13	95837	2	Fuse Holder/Isolated Stud Block
10	99759	1	Plug Cover	ns		6	Cable Tie, HD
11	22511	1	22" Battery Cable – Red	ns		10	Cable Tie, 15.35"
Electrical Box Components							
13	95837	1	Fuse Holder/Isolated Stud Block	14	52385	1	Spreader Module, 4-Post
ns = not shown				G = Grade		SS = Stainless Steel	

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CAB CONTROL



99533 Cab Control Kit							
Item	Part	Qty	Description	Item	Part	Qty	Description
1	99773	1	Cab Control, 2-Knob	2	52345	1	Cab Control Bracket Kit
Item 2				52345 Cab Control Bracket Kit			
3		1	Bracket, Control Inner	7		2	1/4-20 x 1/2 Pan Head Machine Screw SS – Black Oxide
4		1	Bracket, Control Outer	8		2	1/4 Shoulder Washer – Black Oxide
5		3	#10 x 3/8 Tapping Screw SS	9		2	1/4 Lock Washer SS
6		4	#8-32 x 3/8 Phillips Pan Head Machine Screw	10		2	1/4-20 Hex Nut G5 – Black Oxide
G = Grade				SS = Stainless Steel			

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ACCESSORIES

Accessory Kits			
Part	Description	Part	Description
99494	Strobe Light Kit	85696	Spill Guards – 0.35 yd ³
99505-1	Primary Work Light Kit	85697	Spill Guards – 0.7 yd ³
99732-1	Auxiliary Work Light Kit	85698	Side Extensions – 0.35 yd ³
85694	License Plate Kit	85699	Side Extensions – 0.7 yd ³
11763	Grease Point Kit (0.7 yd ³ only)	85706	Inverted V Kit – 0.35 yd ³
76668	Vibrator Kit	85707	Inverted V Kit – 0.7 yd ³
85692	Vehicle-Side Harness Kit – 0.35 yd ³	30059	Tarp Kit – 0.35 yd ³
78402	Vehicle-Side Harness Kit – 0.7 yd ³	30061	Tarp Kit – 0.7 yd ³
68790	Ratchet Strap Kit (pkg of 4)	30055	Bungee Kit, 9" – 0.35 yd ³
85695	Pre-Wet, 50-gal	30056	Bungee Kit, 15" – 0.7 yd ³
99080	CHMSL Kit		

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