



Illustrated Parts and Packing List & Assembly Instructions

815 Rice Lake Street, Owatonna, MN 55060

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10T Series

Pull-Type Drop Spreader

Shipped w/Standard Hydraulic Shut-Off Cylinder Installed

1/4 Hydraulic Hoses NOT Supplied (Need 1/4 NPT Ends)

Includes Manual Hand Lever Shut-Off (Not Installed)

Includes Powder Angles (for fine powder like material) (Not Installed)

Tire & Rim Packages Ordered Separate from Spreader See Page #2.

Assembly Instructions Start on Page #18.

Covers the Following Models:

1006T (6-Ft Pull-Type Drop Spreader) (600 Pound Capacity, 9 Cu Ft)

Consisting of the Following Packages:

1006T-A Hopper Bundle Crate 6-Ft w/Hydraulic Shut-Off

1006T-B Parts Crate 1006T (For 6-Ft Hopper)

OR

1008T (8-Ft Pull-Type Drop Spreader) (800 Pound Capacity, 12 Cu Ft)

Consisting of the Following Packages:

1008T-A Hopper Bundle Crate 8-Ft w/Hydraulic Shut-Off

1008T-B Parts Crate 1008T (For 8-Ft Hopper)

OR

1010T (10-Ft Pull-Type Drop Spreader) (1000 Pound Capacity, 15 Cu Ft)

Consisting of the Following Packages:

1010T-A Hopper Bundle Crate 10-Ft w/Hydraulic Shut-Off

1010T-B Parts Crate 1010T (For 10-Ft Hopper)

OR

1012T (12-Ft Pull-Type Drop Spreader) (1200 Pound Capacity, 18 Cu Ft)

Consisting of the Following Packages:

1012T-A Hopper Bundle Crate 12-Ft w/Hydraulic Shut-Off

1012T-B Parts Crate 1012T (For 12-Ft Hopper)

One of the following tire packages shipped separate from hopper. (Only if Ordered)

Part #10SRT

Standard 15-in Tire & Rim Assembly Package Consisting of the Following:

2..... R03-0015-000.....Tire & Rim Complete (15 x 5K Rim & 15-in, 6Ply Rib Implement Tire)

OR

Part #10FLRT

Flotation 15-in Tire & Rim Assembly Package Consisting of the Following:

2..... R04-0015-030.....Tire & Rim Complete (15 x 8 Rim & 11L15 6Ply Flotation Tire)

1006T-A Hopper Bundle 6-Ft (Pull-Type)
Consisting of The Following Parts: (Assembled)

- 1..... 016651.....Hopper, 6-Ft w/ Bearings in Place
 - Use: 1 Decal, 10 Series Drop Spreader (N02-0001-077)
 - 1 Decal, Never Place (N02-0057-000) (Placed Above Cam-Gauge)
 - 14 Hex Bolt (1/4 x 3/4) (C03-0250-030)
 - 14 Whiz Flange Nut (1/4) (C01-0250-030)

- 3..... 010672.....Bearing, End & Center
- 3..... 010743.....Grease Tube Assembly, (For End & Center Bearing)
 - Use: 3 Hex Nut, Fine Thread (3/8-24) (C01-0375-011)
 - 1 Lube Cap (J02-0375-000) (in Hardware Bag) (For Center Bearing)

- 1..... 0568098-1.....Rotor Bar **Left, Painted Black** (For 6-Ft Pull-Type Only)
- 1..... 0568098-2.....Rotor Bar **Right, Painted Red** (For 6-Ft Pull-Type Only)

- 1..... 0568011&12.....Bottom & Slide Assembly 6-Ft
 - Use: 2 Rear Hanger 6-Ft (0108016-32)
 - 4 Nylon Grip Washer (1/4) (C02-0250-011)
 - 4 Whiz Flange Nut (3/16) (C01-0187-030)
 - 2 Phillips Head Sheet Metal Screw (#10-16) (C07-0187-040)

- 1..... 0108075.....Cam Gauge (10 Series) (Not Part Of Bottom)
 - Use: 2 Shake Proof Washer (1/2) (C02-0500-040)
 - 1 Wing Nut (1/2) (C01-0500-021)

- 2..... 43127920.....Hanger Strap (For Spread-Plate)
- 2..... 4307918.....Chain Hook (For Spread-Plate Sash Chain)

- 1..... 47080100-7.....Mounting Bracket, Hydraulic Cylinder Shut-Off
 - Use: 2 Hex Bolt (1/4 x 1) (C03-0250-040)
 - 2 Lock Washer (1/4) (C02-0250-010)
 - 2 Whiz Flange Nut (1/4) (C01-0250-030)

- 1..... 3209742.....Hydraulic Cylinder** (See Page #13)

- 2..... 0106751.....Stub Drive Complete (For Pull-Type Only)
- 2..... 010656-3.....Clutch Pin
 - Use: 2 Cotter Pin (1/8 x 3/4) (C20-0125-020)
- 2..... 010656-4.....Lever, Clutch Pin
 - Use: 2 Spring, Clutch (E01-0666-4)
 - 2 Clutch Washer (33/64 I.D.) (C02-0515-070)
 - 2 Washer (1/2) (C02-0500-021)
 - 2 Cotter Pin (1/8 x 1) (C20-0125-030)

1006T-A Hopper Bundle 6-Ft (Pull-Type) Continued

1	0106548	Axle Left	Use: 2 Hex Bolt (3/8 x 4-1/2 Gr8) (C03-0375-171)
			2 Hex Bolt (3/8 x 5 Gr8) (C03-0375-181)
			4 Lock Washer (3/8) (C02-0375-010)
			4 Hex Nut (3/8) (C01-0375-010)
2	010655-3	Collar Wheel Hub	Use: 2 Grease Fitting (D01-5010-050)
			2 Lock Washer (3/8) (C02-0375-010)
			2 Hex Nut (3/8) (C01-0375-010)
			2 Hex Bolt (3/8 x 1-3/4) (C01-0375-071) (Lower Holes on Collar)
1	0106360	Wheel Hub	Use: 1 Grease Fitting (D01-5300-050)
			6 Hub Stud Bolt (1/2-20 x 1-5/8) (C14-0500-060)
			6 Hub Nut (1/2-20) (C01-0500-080) (in Hardware Bag)
1	0106549	Axle Right	Use: 2 Hex Bolt (3/8 x 4-1/2 Gr8) (C03-0375-171)
			2 Hex Bolt (3/8 x 5 Gr8) (C03-0375-181)
			4 Lock Washer (3/8) (C02-0375-010)
			4 Hex Nut (3/8) (C01-0375-010)
2	010655-3	Collar Wheel Hub	Use: 2 Grease Fitting (D01-5010-050)
			2 Lock Washer (3/8) (C02-0375-010)
			2 Hex Nut (3/8) (C01-0375-010)
			2 Hex Bolt (3/8 x 1-3/4) (C01-0375-071) (Lower Holes on Collar)
1	0106360	Wheel Hub	Use: 1 Grease Fitting (D01-5300-050)
			6 Hub Stud Bolt (1/2-20 x 1-5/8) (C14-0500-060)
			6 Hub Nut (1/2-20) (C01-0500-080) (in Hardware Bag)

1006T-B Parts Crate (For 1006T Pull-Type) (See Page 16 for Contents)

Consisting of The Following Parts Packaged in Crate:

1	0105723	Upright, Center Brace (w/ 2 nuts & 2 lock washer in place)
1	0106519	Rain Trough
1	0106524	Center Brace
1	0106526	Hitch Pole
1	0106531	Drag Link
1	0166125-1	Side Pole (Hitch) Brace Left 6-Ft
1	0166125-2	Side Pole (Hitch) Brace Right 6-Ft
1	0166517-1	Cover Left 6-Ft
1	0166517-2	Cover Right 6-Ft
1	0305229	Lower Lever
1	0305429-3	Shut-Off Lever, Upper
1	0566394-T	Powder Angle Package for 6-Ft Hopper
1	1000T-H	Hardware Bag for 6, 8, 10, 12-Ft "T" Series (Pull-Type Spreaders)
1	4367921	Spread-Plate for 6-Ft (only one on 6-Ft Spreaders)
1	M10-0005-004	Manual Holder

1008T-A Hopper Bundle 8-Ft (Pull-Type)
Consisting of The Following Parts: (Assembled)

- 1..... 018651.....Hopper, 8-Ft w/ Bearings in Place
 - Use: 1 Decal, 10 Series Drop Spreader (N02-0001-077)
 - 1 Decal, Never Place (N02-0057-000) (Placed Above Cam-Gauge)
 - 18 Hex Bolt (1/4 x 3/4) (C03-0250-030)
 - 18 Whiz Flange Nut (1/4) (C01-0250-030)
- 3..... 010672.....Bearing, End & Center
- 3..... 010743.....Grease Tube Assembly, (For End & Center Bearing)
 - Use: 3 Hex Nut, Fine Thread (3/8-24) (C01-0375-011)
 - 1 Lube Cap (J02-0375-000) (in Hardware Bag) (For Center Bearing)
- 1..... 0588098-1.....Rotor Bar **Left, Painted Black** (For 8-Ft Pull-Type Only)
- 1..... 0588098-2.....Rotor Bar **Right, Painted Red** (For 8-Ft Pull-Type Only)
- 1..... 0588011&12.....Bottom & Slide Assembly, 8-Ft
 - Use: 4 Rear Hanger (0108016-21)
 - 8 Nylon Grip Washer (1/4) (C02-0250-011)
 - 8 Whiz Flange Nut (3/16) (C01-0187-030)
 - 4 Phillips Head Sheet Metal Screw (#10-16) (C07-0187-040)
- 1..... 0108075.....Cam Gauge (10 Series) (Not Part Of Bottom)
 - Use: 2 Shake Proof Washer (1/2) (C02-0500-040)
 - 1 Wing Nut (1/2) (C01-0500-021)
- 4..... 43127920.....Hanger Strap (For Spread-Plate)
- 4..... 4307918.....Chain Hook (For Spread-Plate Sash Chain)
- 1..... 47080100-7.....Mounting Bracket, Hydraulic Cylinder Shut-Off
 - Use: 2 Hex Bolt (1/4 x 1) (C03-0250-040)
 - 2 Lock Washer (1/4) (C02-0250-010)
 - 2 Whiz Flange Nut (1/4) (C01-0250-030)
- 1..... 3209742.....Hydraulic Cylinder** (See Page #13)
- 2..... 0106751.....Stub Drive Complete (For Pull-Type Only)
- 2..... 010656-3.....Clutch Pin
 - Use: 2 Cotter Pin (1/8 x 3/4) (C20-0125-020)
- 2..... 010656-4.....Lever, Clutch Pin
 - Use: 2 Spring, Clutch (E01-0666-4)
 - 2 Clutch Washer (33/64 I.D.) (C02-0515-070)
 - 2 Washer (1/2) (C02-0500-021)
 - 2 Cotter Pin (1/8 x 1) (C20-0125-030)

1008T-A Hopper Bundle 8-Ft (Pull-Type) Continued

- 1..... 0106548.....Axle Left
Use: 2 Hex Bolt (3/8 x 4-1/2 **Gr8**) (C03-0375-171)
2 Hex Bolt (3/8 x 5 **Gr8**) (C03-0375-181)
4 Lock Washer (3/8) (C02-0375-010)
4 Hex Nut (3/8) (C01-0375-010)
- 2..... 010655-3.....Collar Wheel Hub
Use: 2 Grease Fitting (D01-5010-050)
2 Lock Washer (3/8) (C02-0375-010)
2 Hex Nut (3/8) (C01-0375-010)
2 Hex Bolt (3/8 x 1-3/4) (C01-0375-071) (Lower Holes on Collar)
- 1..... 0106360.....Wheel Hub
Use: 1 Grease Fitting (D01-5300-050)
6 Hub Stud Bolt (1/2-20 x 1-5/8) (C14-0500-060)
6 Hub Nut (1/2-20) (C01-0500-080) (in Hardware Bag)
- 1..... 0106549.....Axle Right
Use: 2 Hex Bolt (3/8 x 4-1/2 **Gr8**) (C03-0375-171)
2 Hex Bolt (3/8 x 5 **Gr8**) (C03-0375-181)
4 Lock Washer (3/8) (C02-0375-010)
4 Hex Nut (3/8) (C01-0375-010)
- 2..... 010655-3.....Collar Wheel Hub
Use: 2 Grease Fitting (D01-5010-050)
2 Lock Washer (3/8) (C02-0375-010)
2 Hex Nut (3/8) (C01-0375-010)
2 Hex Bolt (3/8 x 1-3/4) (C01-0375-071) (Lower Holes on Collar)
- 1..... 0106360.....Wheel Hub
Use: 1 Grease Fitting (D01-5300-050)
6 Hub Stud Bolt (1/2-20 x 1-5/8) (C14-0500-060)
6 Hub Nut (1/2-20) (C01-0500-080) (in Hardware Bag)

1008T-B Parts Crate (For 1008T Pull-Type)

Consisting of The Following Parts Packaged in Crate:

- 1..... 0105723.....Upright, Center Brace (w/ 2 nuts & 2 lock washer in place)
- 1..... 0106519.....Rain Trough
- 1..... 0106524.....Center Brace
- 1..... 0106526.....Hitch Pole
- 1..... 0106531.....Drag Link
- 1..... 0185525-1.....Side Pole (Hitch) Brace Left 8-Ft
- 1..... 0185525-2.....Side Pole (Hitch) Brace Right 8-Ft
- 1..... 0186517-1.....Cover Left 8-Ft
- 1..... 0186517-2.....Cover Right 8-Ft
- 1..... 0305229.....Lower Lever
- 1..... 0305429-3.....Shut-Off Lever, Upper
- 1..... 0586394-T.....Powder Angle Package for 8-Ft Hopper
- 1..... 0588221-1.....Spread-Plate Left 8-Ft
- 1..... 0588221-2.....Spread-Plate Right 8-Ft
- 1..... 1000T-H.....Hardware Bag for 6, 8, 10, 12-Ft "T" Series (Pull Type Spreaders)
- 1..... M10-0005-004.....Manual Holder

1010T-A Hopper Bundle 10-Ft (Pull-Type)
Consisting of The Following Parts: (Assembled)

- 1..... 0110651.....Hopper, 10-Ft w/ Bearings in Place
 - Use: 1 Decal, 10 Series Drop Spreader (N02-0001-077)
 - 1 Decal, Never Place (N02-0057-000) (Placed Above Cam-Gauge)
 - 22 Hex Bolt (1/4 x 3/4) (C03-0250-030)
 - 22 Whiz Flange Nut (1/4) (C01-0250-030)

- 3..... 010672.....Bearing, End & Center
- 3..... 010743.....Grease Tube Assembly, (For End & Center Bearing)
 - Use: 3 Hex Nut, Fine Thread (3/8-24) (C01-0375-011)
 - 1 Lube Cap (J02-0375-000) (in Hardware Bag) (For Center Bearing)

- 1..... 05108098-1.....Rotor Bar **Left, Painted Black** (For 10-Ft Pull-Type Only)
- 1..... 05108098-2.....Rotor Bar **Right, Painted Red** (For 10-Ft Pull-Type Only)

- 1..... 05108011&12.....Bottom & Slide Assembly, 10-Ft
 - Use: 4 Rear Hanger 10-Ft (0108016-24)
 - 8 Nylon Grip Washer (1/4) (C02-0250-011)
 - 8 Whiz Flange Nut (3/16) (C01-0187-030)
 - 4 Phillips Head Sheet Metal Screw (#10-16) (C07-0187-040)

- 1..... 0108075.....Cam Gauge (10 Series) (Not Part Of Bottom)
 - Use: 2 Shake Proof Washer (1/2) (C02-0500-040)
 - 1 Wing Nut (1/2) (C01-0500-021)

- 4..... 43127920.....Hanger Strap (For Spread-Plate)
- 4..... 4307918.....Chain Hook (For Spread-Plate Sash Chain)

- 1..... 47080100-7.....Mounting Bracket, Hydraulic Cylinder Shut-Off
 - Use: 2 Hex Bolt (1/4 x 1) (C03-0250-040)
 - 2 Lock Washer (1/4) (C02-0250-010)
 - 2 Whiz Flange Nut (1/4) (C01-0250-030)

- 1..... 3209742.....Hydraulic Cylinder** (See Page #13)

- 2..... 0106751.....Stub Drive Complete (For Pull-Type Only)
- 2..... 010656-3.....Clutch Pin
 - Use: 2 Cotter Pin (1/8 x 3/4) (C20-0125-020)
- 2..... 010656-4.....Lever, Clutch Pin
 - Use: 2 Spring, Clutch (E01-0666-4)
 - 2 Clutch Washer (33/64 I.D.) (C02-0515-070)
 - 2 Washer (1/2) (C02-0500-021)
 - 2 Cotter Pin (1/8 x 1) (C20-0125-030)

1010T-A Hopper Bundle 10-Ft (Pull-Type) Continued

1	0106548	Axle Left	Use: 2 Hex Bolt (3/8 x 4-1/2 Gr8) (C03-0375-171) 2 Hex Bolt (3/8 x 5 Gr8) (C03-0375-181) 4 Lock Washer (3/8) (C02-0375-010) 4 Hex Nut (3/8) (C01-0375-010)
2	010655-3	Collar Wheel Hub	Use: 2 Grease Fitting (D01-5010-050) 2 Lock Washer (3/8) (C02-0375-010) 2 Hex Nut (3/8) (C01-0375-010) 2 Hex Bolt (3/8 x 1-3/4) (C01-0375-071) (Lower Holes on Collar)
1	0106360	Wheel Hub	Use: 1 Grease Fitting (D01-5300-050) 6 Hub Stud Bolt (1/2-20 x 1-5/8) (C14-0500-060) 6 Hub Nut (1/2-20) (C01-0500-080) (in Hardware Bag)
1	0106549	Axle Right	Use: 2 Hex Bolt (3/8 x 4-1/2 Gr8) (C03-0375-171) 2 Hex Bolt (3/8 x 5 Gr8) (C03-0375-181) 4 Lock Washer (3/8) (C02-0375-010) 4 Hex Nut (3/8) (C01-0375-010)
2	010655-3	Collar Wheel Hub	Use: 2 Grease Fitting (D01-5010-050) 2 Lock Washer (3/8) (C02-0375-010) 2 Hex Nut (3/8) (C01-0375-010) 2 Hex Bolt (3/8 x 1-3/4) (C01-0375-071) (Lower Holes on Collar)
1	0106360	Wheel Hub	Use: 1 Grease Fitting (D01-5300-050) 6 Hub Stud Bolt (1/2-20 x 1-5/8) (C14-0500-060) 6 Hub Nut (1/2-20) (C01-0500-080) (in Hardware Bag)

1010T-B Parts Crate (For 1010T Pull-Type)

Consisting of The Following Parts Packaged in Crate:

1	0105723	Upright, Center Brace (w/ 2 nuts & 2 lock washer in place)
1	0106519	Rain Trough
1	0106524	Center Brace
1	0106526	Hitch Pole
1	0106531	Drag Link
1	01105525-1	Side Pole (Hitch) Brace Left 10-Ft
1	01105525-2	Side Pole (Hitch) Brace Right 10-Ft
1	01106517-1	Cover Left 10Ft
1	01106517-2	Cover Right 10-Ft
1	0305229	Lower Lever
1	0305429-3	Shut-Off Lever, Upper
1	05106394-T	Powder Angle Package for 10-Ft Hopper
1	05108121-1	Spread-Plate Left 10-Ft
1	05108121-2	Spread-Plate Right 10-Ft
1	1000T-H	Hardware Bag for 6, 8, 10, 12-Ft "T" Series (Pull Type Spreaders)
1	M10-0005-004	Manual Holder

1012T-A Hopper Bundle 12-Ft (Pull-Type)
Consisting of The Following Parts: (Assembled)

- 1..... 0112651.....Hopper, 12-Ft w/ Bearings in Place
 - Use: 1 Decal, 10 Series Drop Spreader (N02-0001-077)
 - 1 Decal, Never Place (N02-0057-000) (Placed Above Cam-Gauge)
 - 26 Hex Bolt (1/4 x 3/4) (C03-0250-030)
 - 26 Whiz Flange Nut (1/4) (C01-0250-030)

- 3..... 010672.....Bearing, End & Center
- 3..... 010743.....Grease Tube Assembly, (For End & Center Bearing)
 - Use: 3 Hex Nut, Fine Thread (3/8-24) (C01-0375-011)
 - 1 Lube Cap (J02-0375-000) (in Hardware Bag) (For Center Bearing)

- 1..... 05128098-1.....Rotor Bar **Left, Painted Black** (For 12-Ft Pull-Type Only)
- 1..... 05128098-2.....Rotor Bar **Right, Painted Red** (For 12-Ft Pull-Type Only)

- 1..... 05128011&12.....Bottom & Slide Assembly, 12-Ft
 - Use: 4 Rear Hanger 6-Ft (0108016-32)
 - 8 Nylon Grip Washer (1/4) (C02-0250-011)
 - 8 Whiz Flange Nut (3/16) (C01-0187-030)
 - 4 Phillips Head Sheet Metal Screw (#10-16) (C07-0187-040)

- 1..... 0108075.....Cam Gauge (10 Series) (Not Part Of Bottom)
 - Use: 2 Shake Proof Washer (1/2) (C02-0500-040)
 - 1 Wing Nut (1/2) (C01-0500-021)

- 4..... 43127920.....Hanger Strap (For Spread-Plate)
- 4..... 4307918.....Chain Hook (For Spread-Plate Sash Chain)

- 1..... 47080100-7.....Mounting Bracket, Hydraulic Cylinder Shut-Off
 - Use: 2 Hex Bolt (1/4 x 1) (C03-0250-040)
 - 2 Lock Washer (1/4) (C02-0250-010)
 - 2 Whiz Flange Nut (1/4) (C01-0250-030)

- 1..... 3209742.....Hydraulic Cylinder** (See Page #13)

- 2..... 0106751.....Stub Drive Complete (For Pull-Type Only)
- 2..... 010656-3.....Clutch Pin
 - Use: 2 Cotter Pin (1/8 x 3/4) (C20-0125-020)
- 2..... 010656-4.....Lever, Clutch Pin
 - Use: 2 Spring, Clutch (E01-0666-4)
 - 2 Clutch Washer (33/64 I.D.) (C02-0515-070)
 - 2 Washer (1/2) (C02-0500-021)
 - 2 Cotter Pin (1/8 x 1) (C20-0125-030)

1012T-A Hopper Bundle 12Ft (Pull-Type) Continued

1	0106548	Axle Left	Use: 2 Hex Bolt (3/8 x 4-1/2 Gr8) (C03-0375-171)
			2 Hex Bolt (3/8 x 5 Gr8) (C03-0375-181)
			4 Lock Washer (3/8) (C02-0375-010)
			4 Hex Nut (3/8) (C01-0375-010)
2	010655-3	Collar Wheel Hub	Use: 2 Grease Fitting (D01-5010-050)
			2 Lock Washer (3/8) (C02-0375-010)
			2 Hex Nut (3/8) (C01-0375-010)
			2 Hex Bolt (3/8 x 1-3/4) (C01-0375-071) (Lower Holes on Collar)
1	0106360	Wheel Hub	Use: 1 Grease Fitting (D01-5300-050)
			6 Hub Stud Bolt (1/2-20 x 1-5/8) (C14-0500-060)
			6 Hub Nut (1/2-20) (C01-0500-080) (in Hardware Bag)
1	0106549	Axle Right	Use: 2 Hex Bolt (3/8 x 4-1/2 Gr8) (C03-0375-171)
			2 Hex Bolt (3/8 x 5 Gr8) (C03-0375-181)
			4 Lock Washer (3/8) (C02-0375-010)
			4 Hex Nut (3/8) (C01-0375-010)
2	010655-3	Collar Wheel Hub	Use: 2 Grease Fitting (D01-5010-050)
			2 Lock Washer (3/8) (C02-0375-010)
			2 Hex Nut (3/8) (C01-0375-010)
			2 Hex Bolt (3/8 x 1-3/4) (C01-0375-071) (Lower Holes on Collar)
1	0106360	Wheel Hub	Use: 1 Grease Fitting (D01-5300-050)
			6 Hub Stud Bolt (1/2-20 x 1-5/8) (C14-0500-060)
			6 Hub Nut (1/2-20) (C01-0500-080) (in Hardware Bag)

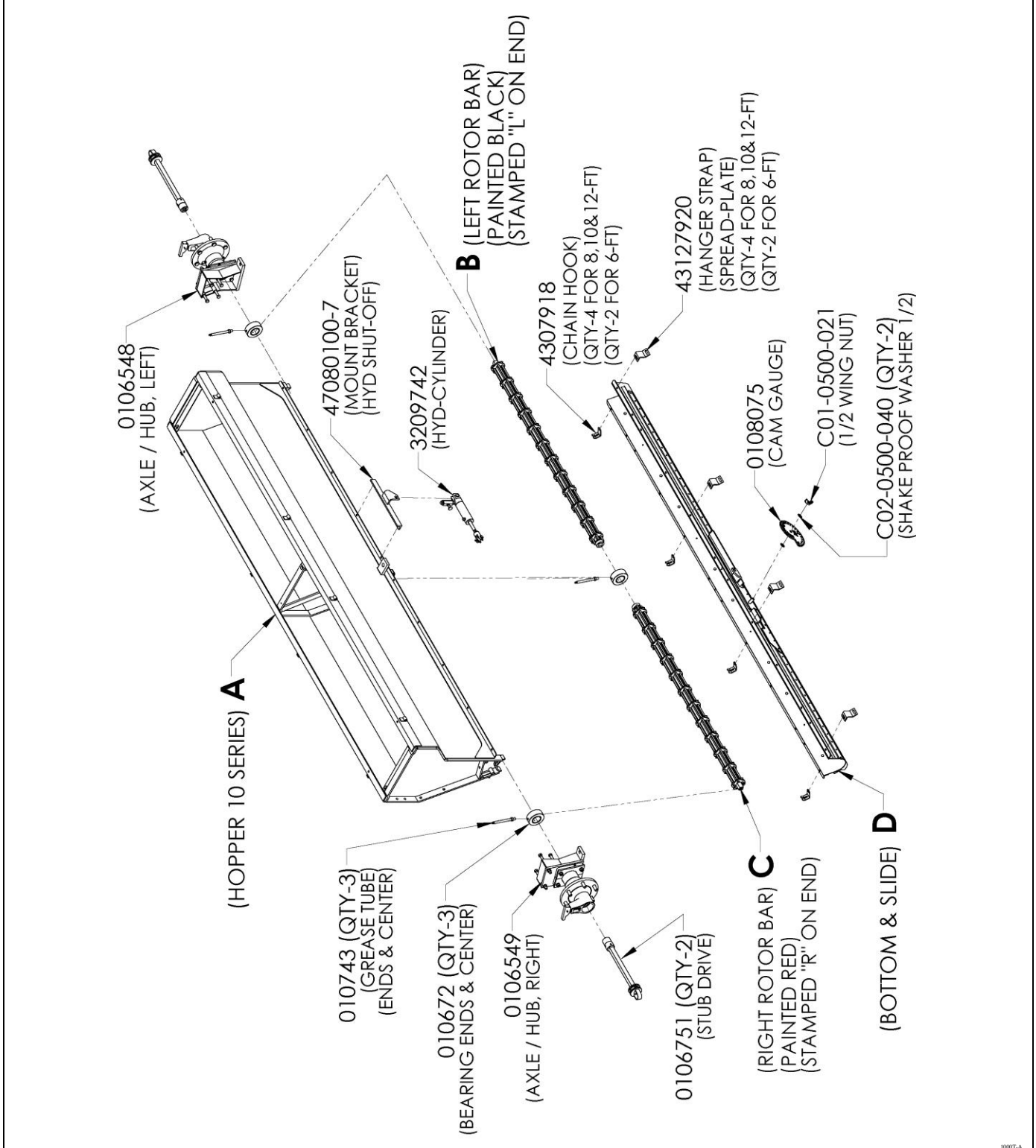
1012T-B Parts Crate (For 1012T Pull-Type)

Consisting of The Following Parts Packaged in Crate:

1	0105723	Upright, Center Brace (w/ 2 nuts & 2 lock washer in place)
1	0106519	Rain Trough
1	0106524	Center Brace
1	0106526	Hitch Pole
1	0106531	Drag Link
1	01125525-1	Side Pole (Hitch) Brace Left 12-Ft
1	01125525-2	Side Pole (Hitch) Brace Right 12-Ft
1	01126517-1	Cover Left 12-Ft
1	01126517-2	Cover Right 12-Ft
1	0305229	Lower Lever
1	0305429-3	Shut-Off Lever, Upper
1	05127694-T	Powder Angle Package for 12-Ft Hopper
1	1000T-H	Hardware Bag for 6, 8, 10, 12-Ft "T" Series (Pull Type Spreaders)
1	43127921-1	Spread-Plate Left 12-Ft
1	43127921-2	Spread-Plate Right 12-Ft
1	M10-0005-004	Manual Holder

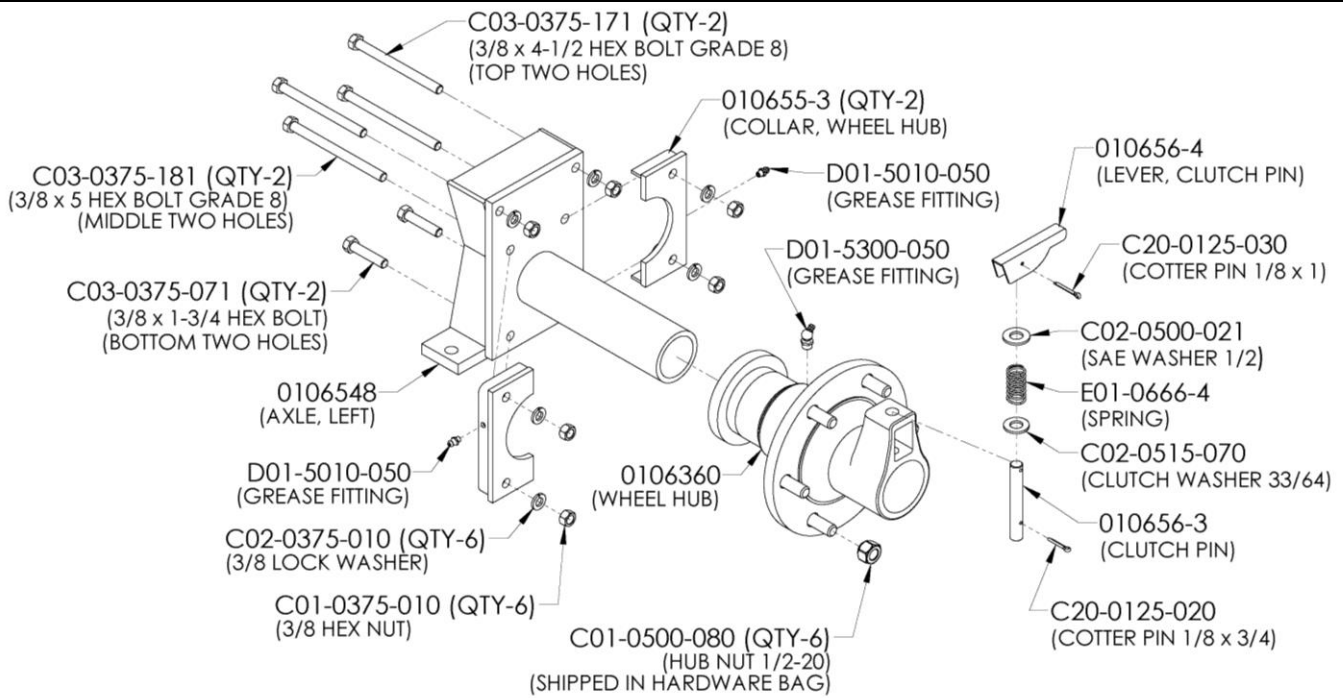
Hopper Bundle

Ref.	1006T-A	1008T-A	1010T-A	1012T-A
A	016651	018651	0110651	0112651
B	0568098-1 (Left, Black)	0588098-1 (Left, Black)	05108098-1 (Left, Black)	05128098-1 (Left, Black)
C	0568098-2 (Right, Red)	0588098-2 (Right, Red)	05108098-2 (Right, Red)	05128098-2 (Right, Red)
D	0568011&12	0588011&12	05108011&12	05128011&12



For Left & Right Axle Hub parts break down see next page.

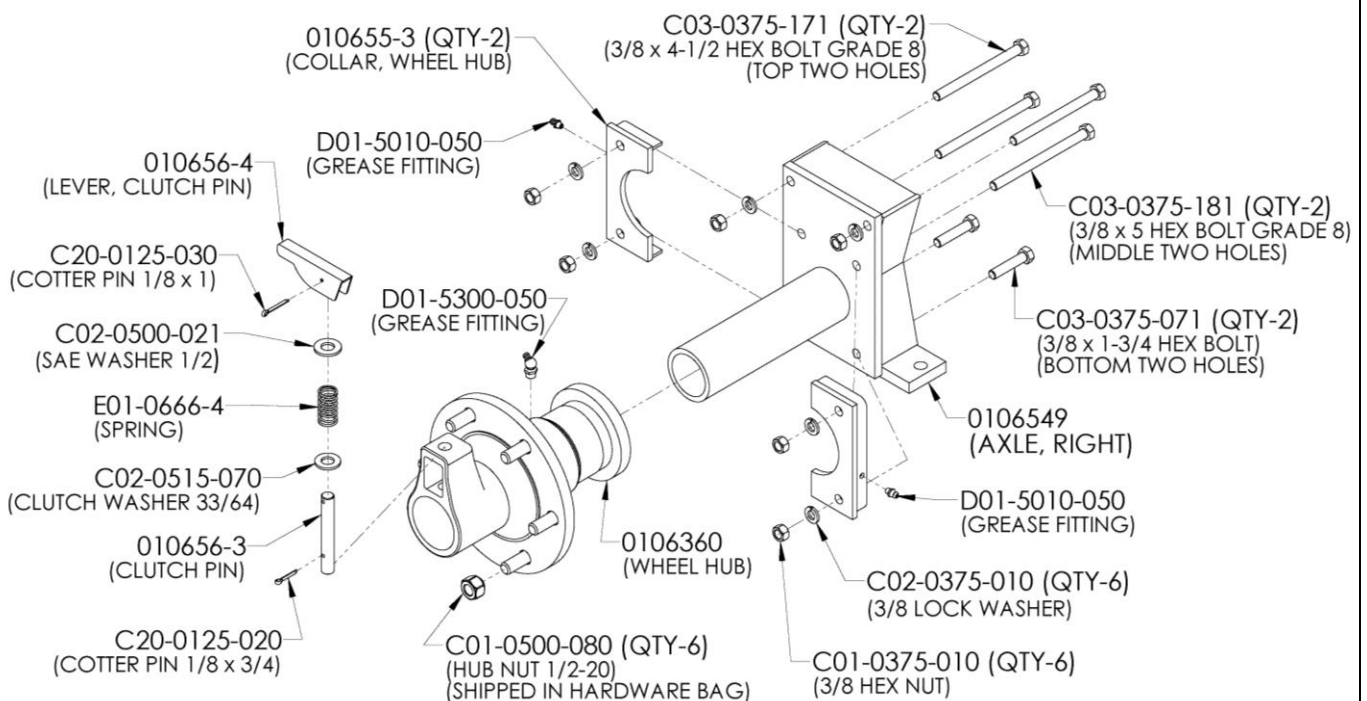
Axle / Hub, Left



0106548-A

There are 6 total grease fittings on the Axle / Hubs. Three on the Left & Three on the Right.

Axle / Hub, Right

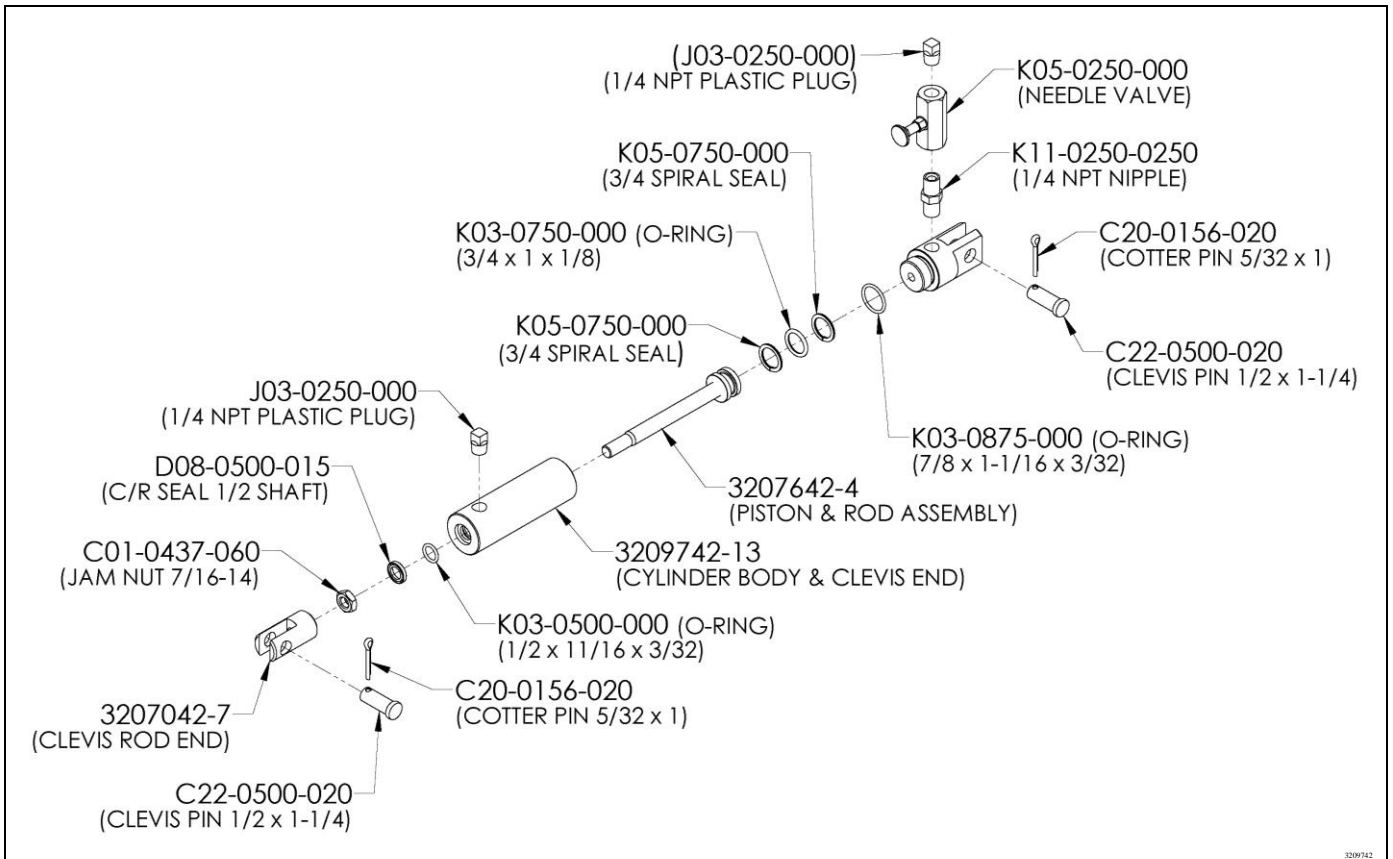


0106548-A

3209742 Hydraulic Cylinder Assembly: (Part of Hopper Bundle)

Hydraulic Hoses Not included.

- 1 3207042-7 Clevis Rod End
Use: 1 Clevis Pin (1/2 x 1-1/4) (C22-0500-020)
1 Cotter Pin (5/32 x 1) (C20-0156-020)
- 1 3209742-13 Cylinder Body & Clevis End
Use: 1 Clevis Pin (1/2 x 1-1/4) (C22-0500-020)
1 Cotter Pin (5/32 x 1) (C20-0156-020)
- 1 3207642-4 Piston & Rod Assembly
Use: 1 Jam nut (7/16) (C01-0437-060)
- 1 D08-0500-015 C/R Seal, 4912 (.500 Shaft)
- 1 K03-0500-000 O-Ring (1/2 x 11/16 x 3/32)
- 1 K03-07500-000 O-Ring (3/4 x 1 x 1/8)
- 1 K03-0875-000 O-Ring (7/8 x 1-1/16 x 3/32)
- 2 K05-0750-000 3/4 Spiral RG M528782-15
- 2 J03-0250-000 1/4 Pipe Plug
- 1 K05-0250-000 Hydraulic Needle Valve (1/4")
- 1 K11-0250-025 Nipple (1/4 x 1-3/8)

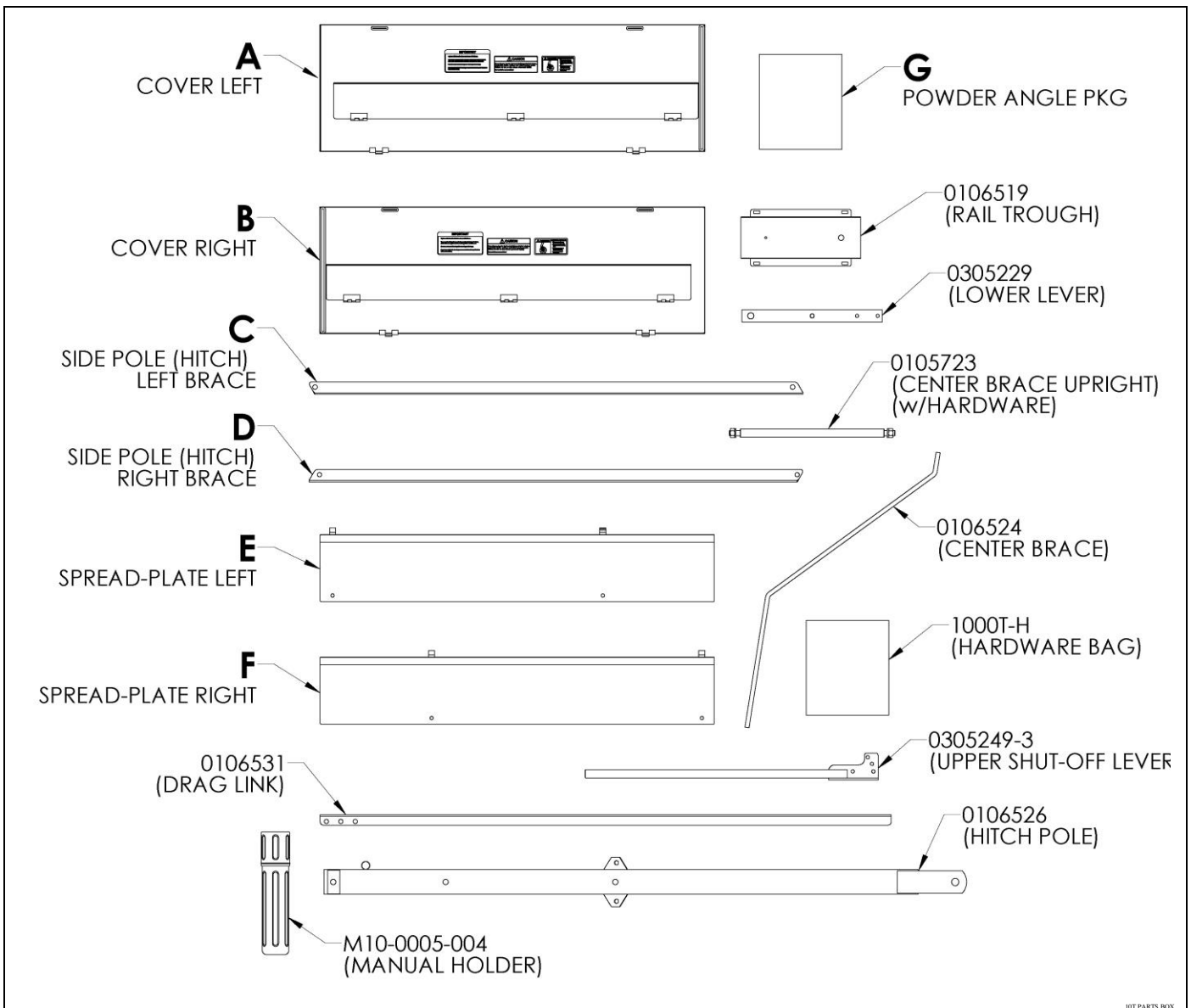


One of the Following Parts Crates Shipped Separately From Hopper Bundle.

Ref.	Parts Crate Part #			
	1006T-B	1008T-B	1010T-B	1012T-B
A	0166517-1	0186517-1	01106517-1	01126517-1
B	0166517-2	0186517-2	01106517-2	01126517-2
C	0166125-1	0185525-1	01105525-1	01125525-1
D	0166125-2	0185525-2	01105525-2	01125525-2
E	4367921	0588221-1	05108121-1	43127921-1
F	-	0588221-2	05108121-2	43127921-2
G	0566394-T	0586394-T	05106394-T	05127694-T

Note: 6-Ft 10 Series Spreader Has Only 1 Spread-Plate

Contents of Parts Crate:


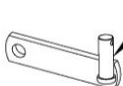
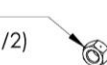


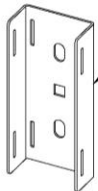

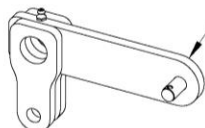










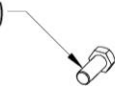












**1000T-H Hardware Bag (Shipped in Parts Crate)
For 6, 8, 10, 12-Ft “T” Series (Pull-Type Spreaders)**

Consisting of The Following Parts:

2	C01-0375-010	Hex Nut (3/8)
4	C01-0500-040	Lock Nut, Center Point (1/2)
12	C01-0500-080	Hub Nut (1/2-20)
2	C01-0625-010	Hex Nut (5/8)
1	C01-0750-071	Slotted Hex Nut (3/4-10)
2	C02-0375-010	Lock Washer (3/8)
3	C02-0625-010	Lock Washer (5/8)
2	C02-0750-030	Wrought Washer (3/4)
2	C03-0375-051	Hex Bolt (3/8 x 1-1/4)
4	C03-0500-050	Hex Bolt (1/2 x 1-1/4)
2	C03-0625-081	Hex Bolt (5/8 x 2)
1	C03-0625-130	Hex Bolt (5/8 x 3-1/4)
1	C11-0209-010	Drive Screw (#12 x 1/2 Drive Screw)
8	C20-0093-020	Cotter Pin (3/32 x 3/4)
4	C20-0125-030	Cotter Pin (1/8 x 1)
5	C20-0187-030	Cotter Pin (3/16 x 1-1/4)
4	C22-0250-200	Clevis Pin (1/4 x 2-5/8)
1	C22-0500-030	Clevis Pin (1/2 x 1-27/64)
2	C24-1000-098	E-Clip Retaining Ring (for 1-in Shaft)
1	0108136	Connector Link (for 10-series)
1	013441216	Pivot Bolt (3/4-10 x 4-1/2 Hex Bolt w/ Hole)
1	0197102-1	Manual Holder Bracket
1	0305234	Knee Lever Pole
4	05108121-1/1	Sash Chain #50 (21-Links Long)
4	1406318	Cover Lock
1	J01-1000-462	Hand Grip (1 x 4-5/8)
1	J02-0375-000	Lube-Cap (Cap For Center Grease Fitting)
4	L04-0005-000	Cable Tie (5/16 x 15-1/4)
1	M11-0025-000	SMV Mounting Socket

1000T-H Hardware Bag Containing the Following:

C01-0375-010 (QTY-2) (HEX NUT 3/8)		0108136 (QTY-1) (CONNECTOR LINK)	
C01-0500-040 (QTY-4) (CENTER POINT LOCK NUT 1/2)		013441216 (QTY-1) (PIVOT BOLT) (3/4-10 x 4-1/2 w/HOLE)	
C01-0500-080 (QTY-12) (HUB NUT 1/2-20)		0197102-1 (QTY-1) (MANUAL HOLDER BRACKET)	
C01-0625-010 (QTY-2) (HEX NUT 5/8)		0305234 (QTY-1) (KNEE LEVER HITCH POLE)	
C01-0750-071 (QTY-1) (SLOTTED HEX NUT 3/4-10)		05108121-1/1 (QTY-4) (SASH CHAIN #50 x 21-LINKS)	
C02-0375-010 (QTY-2) (LOCK WASHER 3/8)		1406318 (QTY-4) (COVER LOCK)	
C02-0625-010 (QTY-3) (LOCK WASHER 5/8)		J02-1000-462 (QTY-1) (HAND GRIP 1 x 4-5/8)	
C02-0750-030 (QTY-2) (WROUGHT WASHER 3/4)		J02-0375-000 (QTY-1) (LUBRICAP 3/8 YELLOW)	
C03-0375-051 (QTY-2) (HEX BOLT 3/8 x 1-1/4)		L04-0005-000 (4X) (CABLE TIE 5/16 x 15-1/4)	
C03-0500-050 (QTY-4) (HEX BOLT 1/2 x 1-1/4)		M11-0025-000 (SMV MOUNT BRACKET)	
C03-0625-081 (QTY-2) (HEX BOLT 5/8 x 2)			
C03-0625-130 (QTY-1) (HEX BOLT 5/8 x 3-1/4)			
C11-0209-010 (QTY-1) (DRIVE SCREW #12 x 1/2)			
C20-0093-020 (QTY-8) (COTTER PIN 3/32 x 3/4)			
C20-0125-030 (QTY-4) (COTTER PIN 1/8 x 1)			
C20-0187-030 (QTY-5) (COTTER PIN 3/16 x 1-1/4)			
C22-0250-200 (QTY-4) (CLEVIS PIN 1/4 x 2-5/8)			
C22-0500-030 (QTY-1) (CLEVIS PIN 1/2 x 1-27/64)			
C24-1000-098 (QTY-2) (RETAINING RING) (E-CLIP FOR 1" SHAFT)			

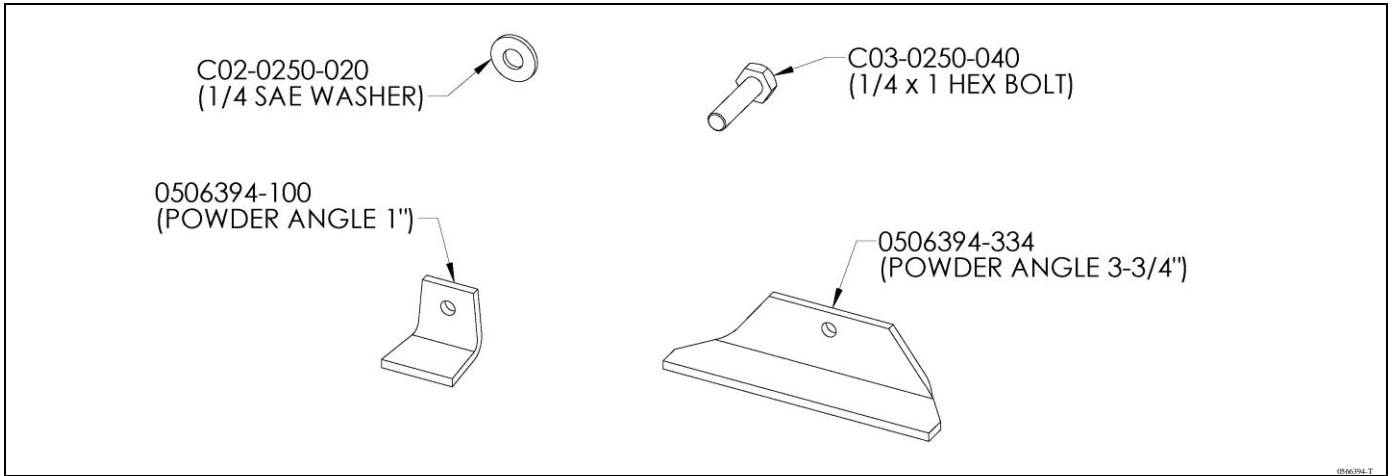
1000T-H-PACK

Powder Angle Packages for 10T Series Spreaders

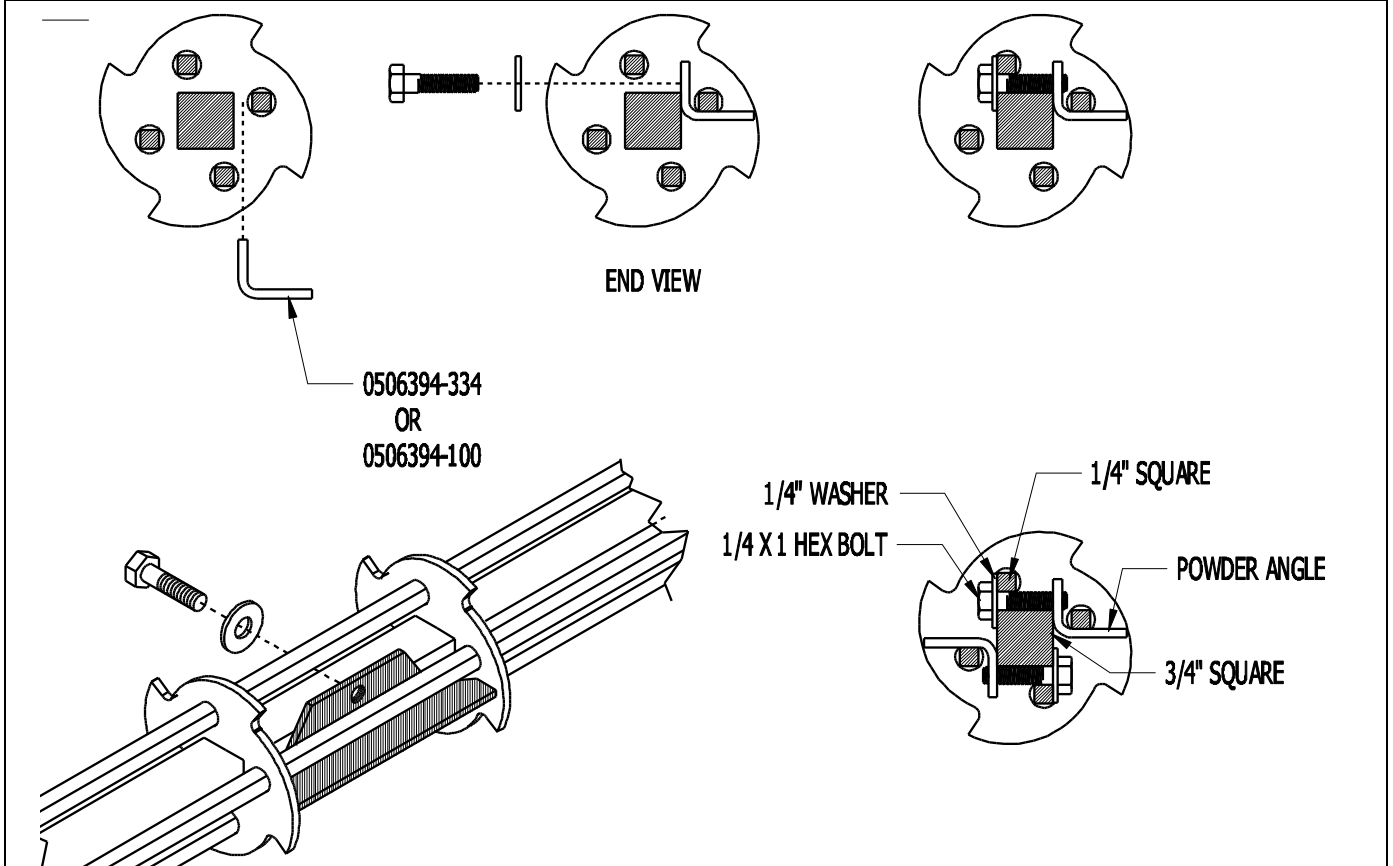
(One of the Following Packages Shipped in the Parts Crate)

Powder Angles are recommended for powdery materials. They are furnished with all "T" series spreaders.

Powder Angle Package #.	C02-0250-020 (1/4" SAE Washer)	C03-0250-040 (1/4 x 1 Hex Bolt)	0506394-100 (Powder Angle 1")	0506394-334 (Powder Angle 3-3/4")
0566394-T (6-Ft)	Qty-18	Qty-18	Qty-2	Qty-16
0586394-T (8-Ft)	Qty-24	Qty-24	Qty-2	Qty-22
05106394-T (10-ft)	Qty-30	Qty-30	Qty-2	Qty-28
05127694-T (12-Ft)	Qty-36	Qty-36	Qty-2	Qty-34



Install alternately UP and Down. Draw hex bolt snug without bowing 1/4 inch square rod as shown below.



Hitch Pole Assembly Instructions:

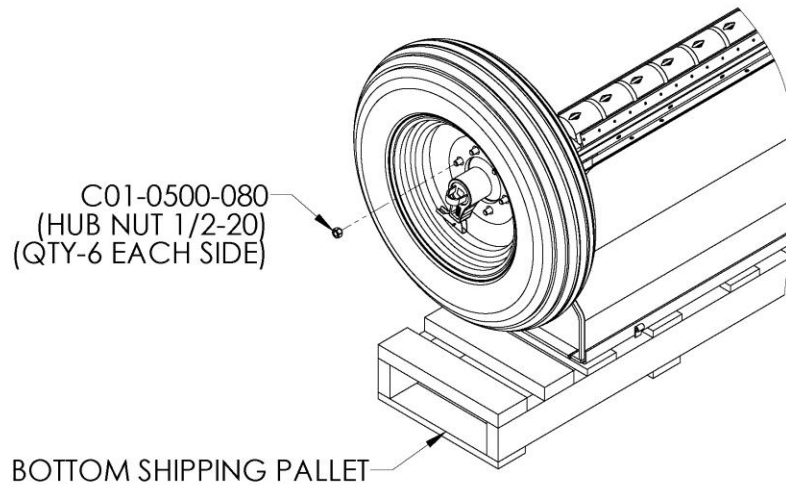
Note: All large parts are located in the wood shipping crate.

All small parts & hardware are located in the hardware bag shipped in wooden crate.

Step #1

Remove outside crating around hopper. Leave hopper on bottom shipping crate.
Install wheels to the wheel hubs using the Hub Nuts (1/2-20) Part #C01-0500-080.
Tighten securely. Repeat for other side.

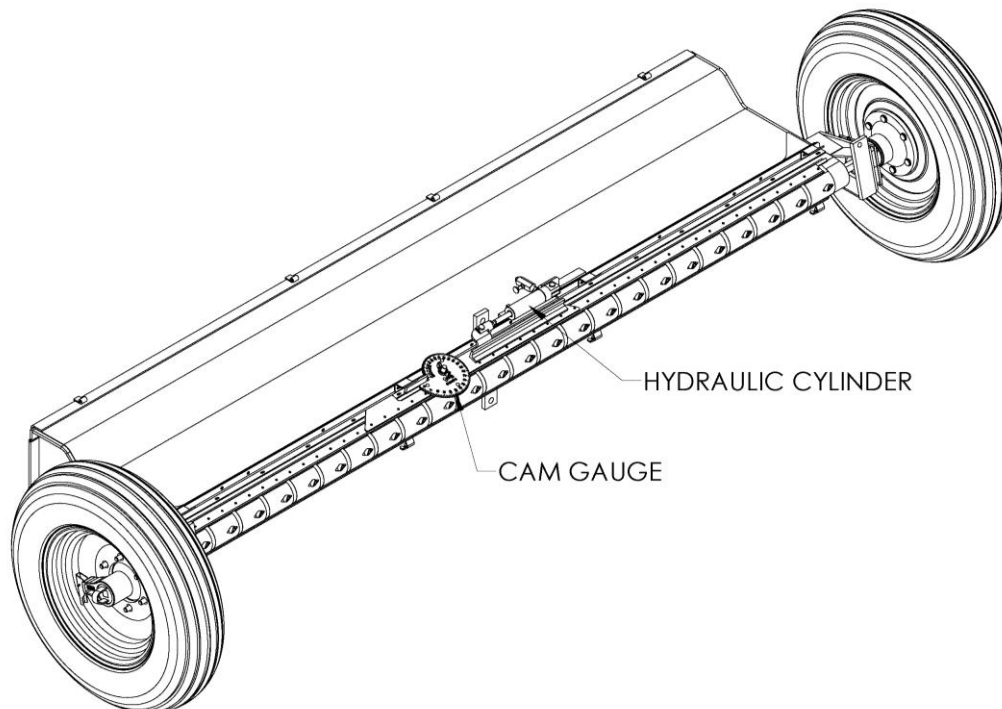
Note: Standard wheels can be mounted either dished in or dished out depending on what you want for overall width of spreader. Flotation tires can only be mounted one way so they clear the spreader.



Step #2

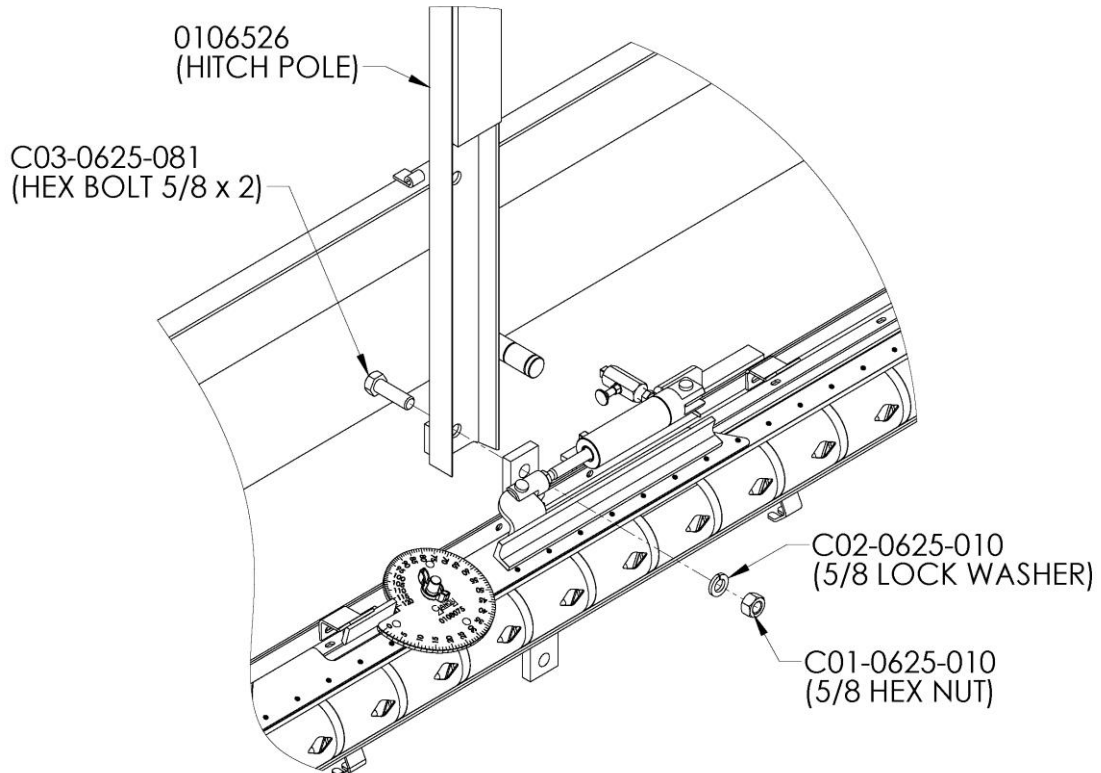
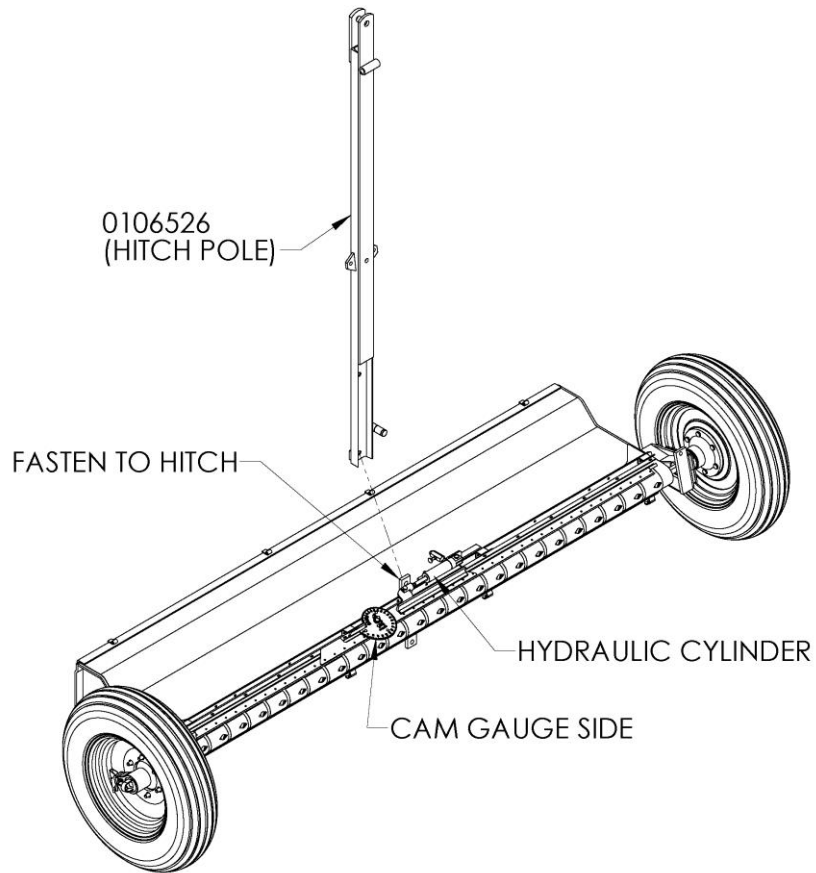
With wheels mounted vary carefully tip the hopper on its back so the cam gauge & hydraulic cylinder are facing up as shown.

Note: Be careful when tipping hopper on its back. If possible use an overhead hoist.



Step #3

Locate the Hitch Pole part #0106526 and attach it to the hitch above the Cam Gauge & Hydraulic Cylinder using the 5/8 hardware shown. Do not tighten hardware, leave loose.



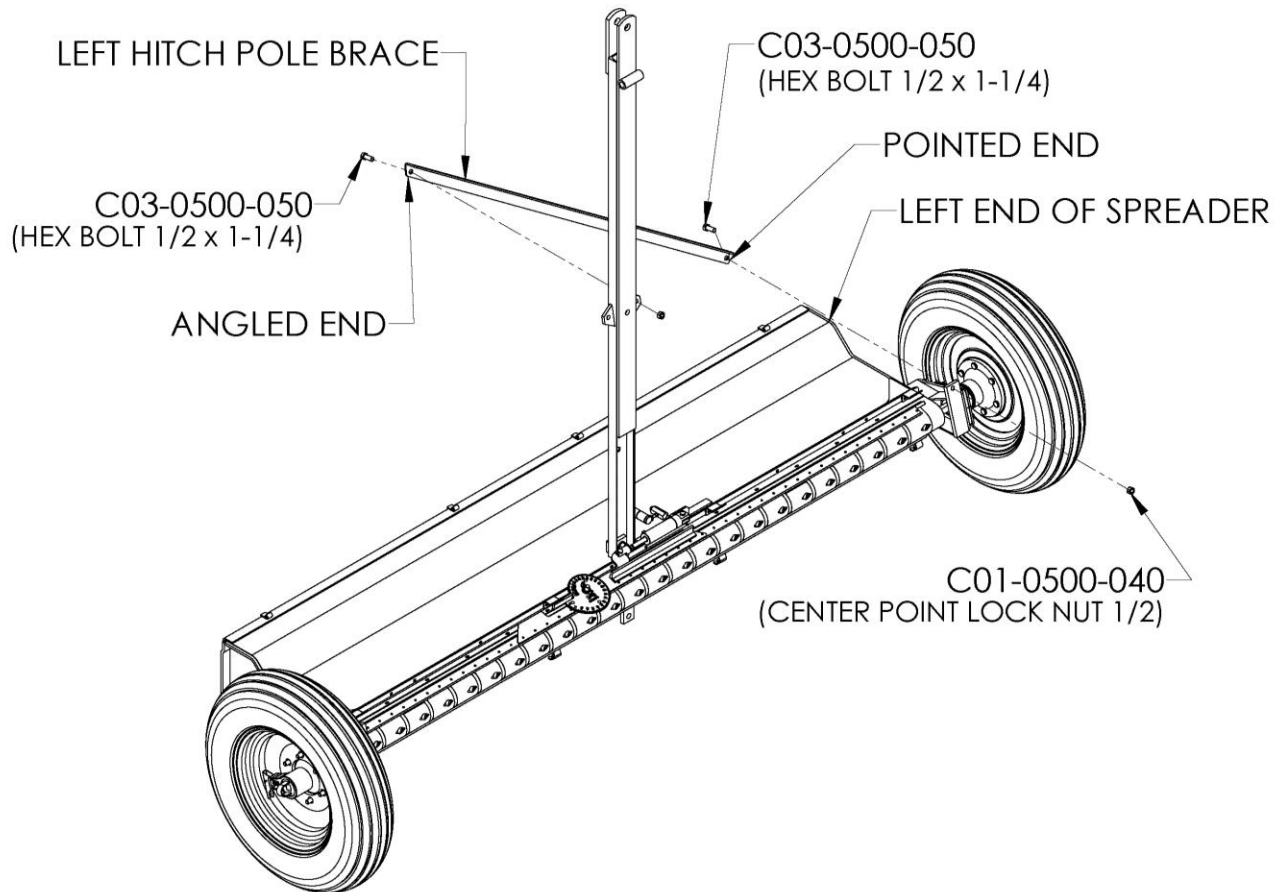
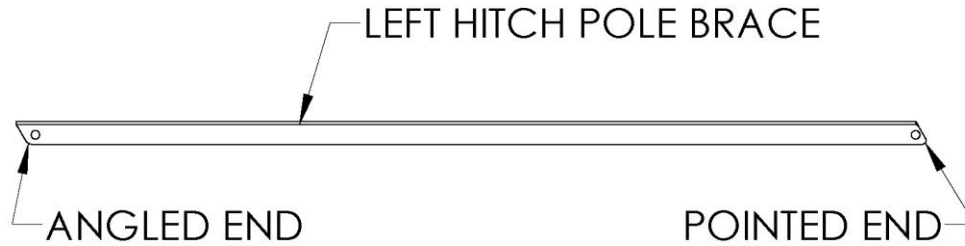
100T-A2

Step #4

Locate the Left Hitch Pole Brace shown below.

Attach the angled end of the Left Hitch Pole Brace to the top side of the left tab on the Hitch Pole using the hardware shown below. Leave hardware loose. Next attach the pointed end of the Hitch Pole Brace to the Left Axle plate using the hardware shown below. Leave all hardware from this step loose.

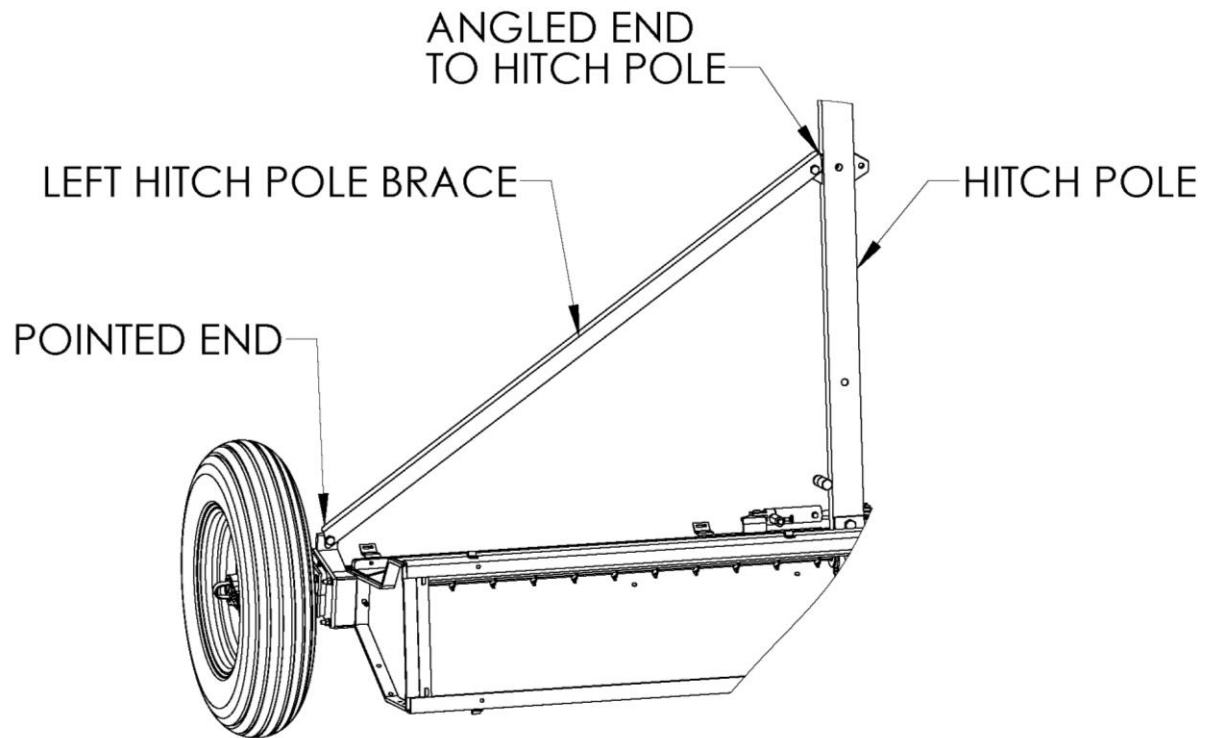
See next page for installed view.



100T-A3

Step #4 Continued

Top view of Left Hitch Pole Brace installed.



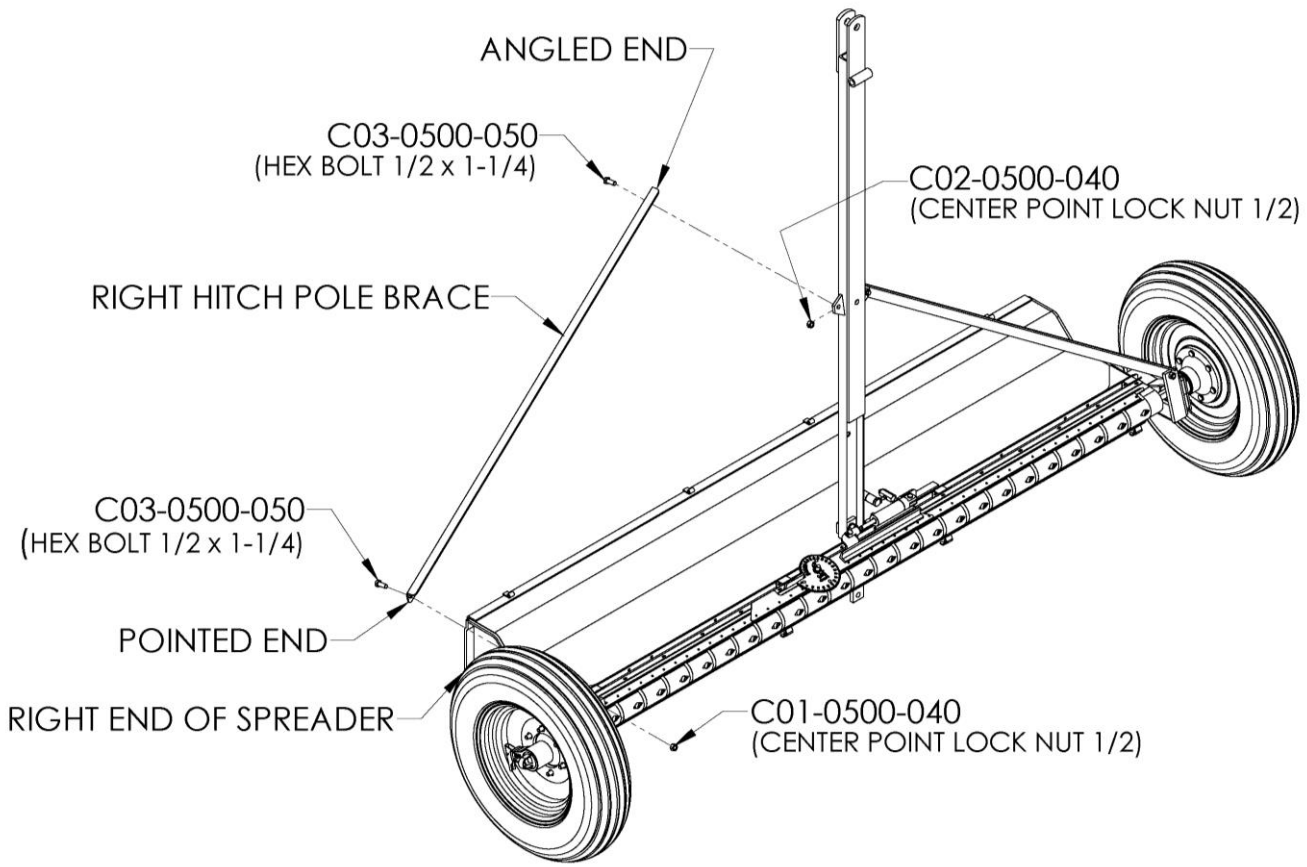
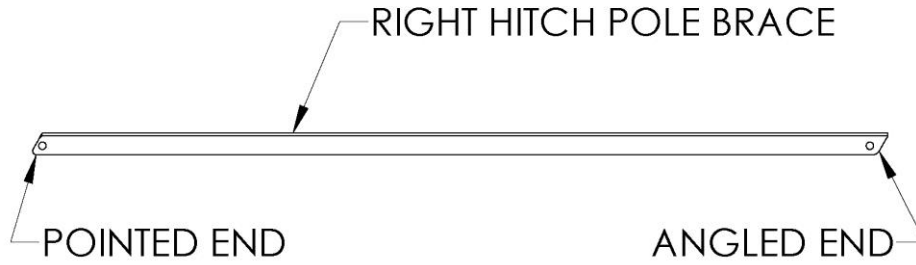
1000T-A3

Step #5

Locate the Right Hitch Pole Brace shown below.

Attach the angled end of the Right Hitch Pole Brace to the top side of the right tab on the Hitch Pole using the hardware shown below. Leave hardware loose. Next attach the pointed end of the Hitch Pole Brace to the Right Axle plate using the hardware shown below. Leave all hardware from this step loose.

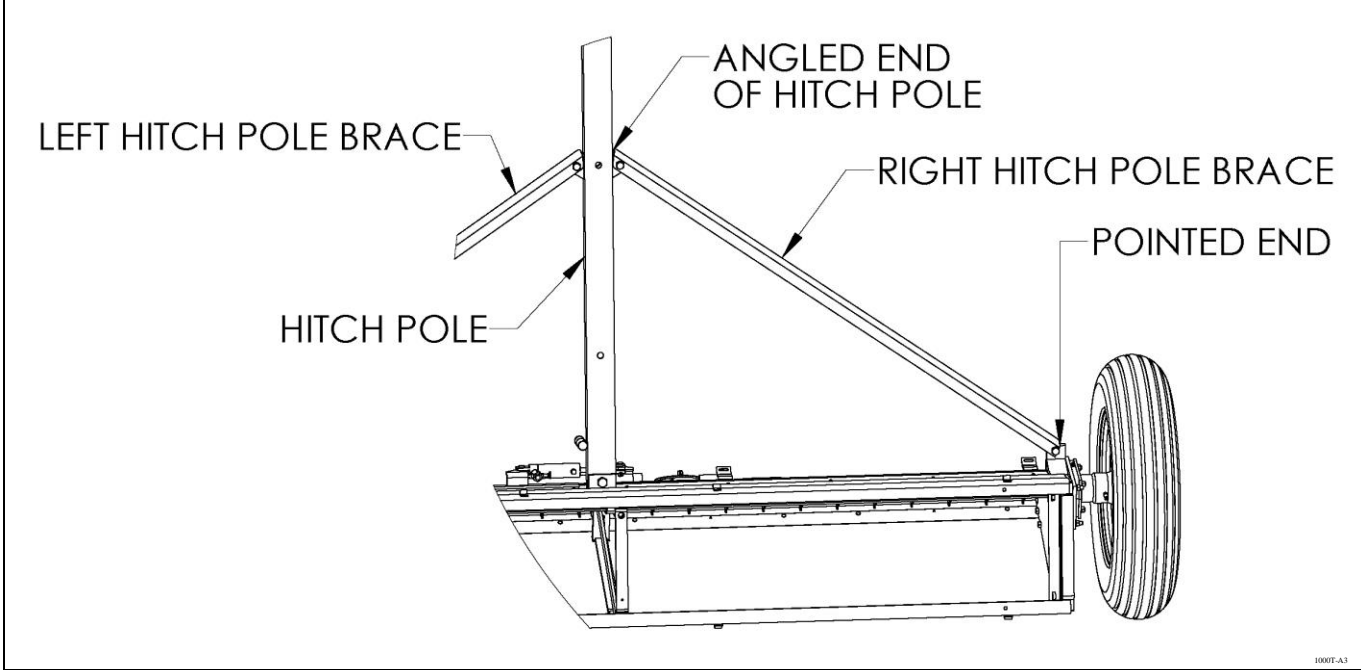
See next page for installed view.



1007-A3

Step #5 Continued

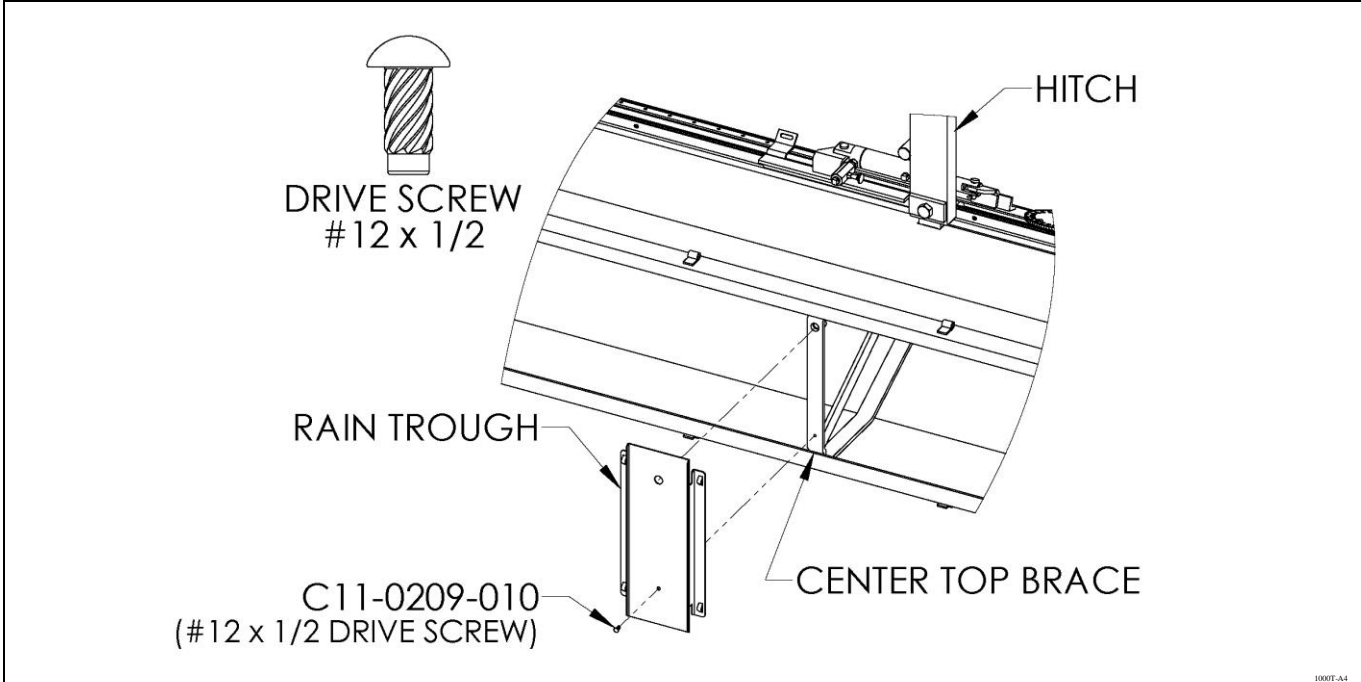
Top view of Right Hitch Pole Brace installed.



Step #6

Locate Rain Trough part #0106519 and #12 Drive Screw shown below.

Using a hammer fasten the Rain Trough to the top center brace by driving the drive screw through the small hole in the Rain Trough into the small hole in the center brace. When doing so make sure the large hole is aligned with the threaded hole in the spreader when completed.



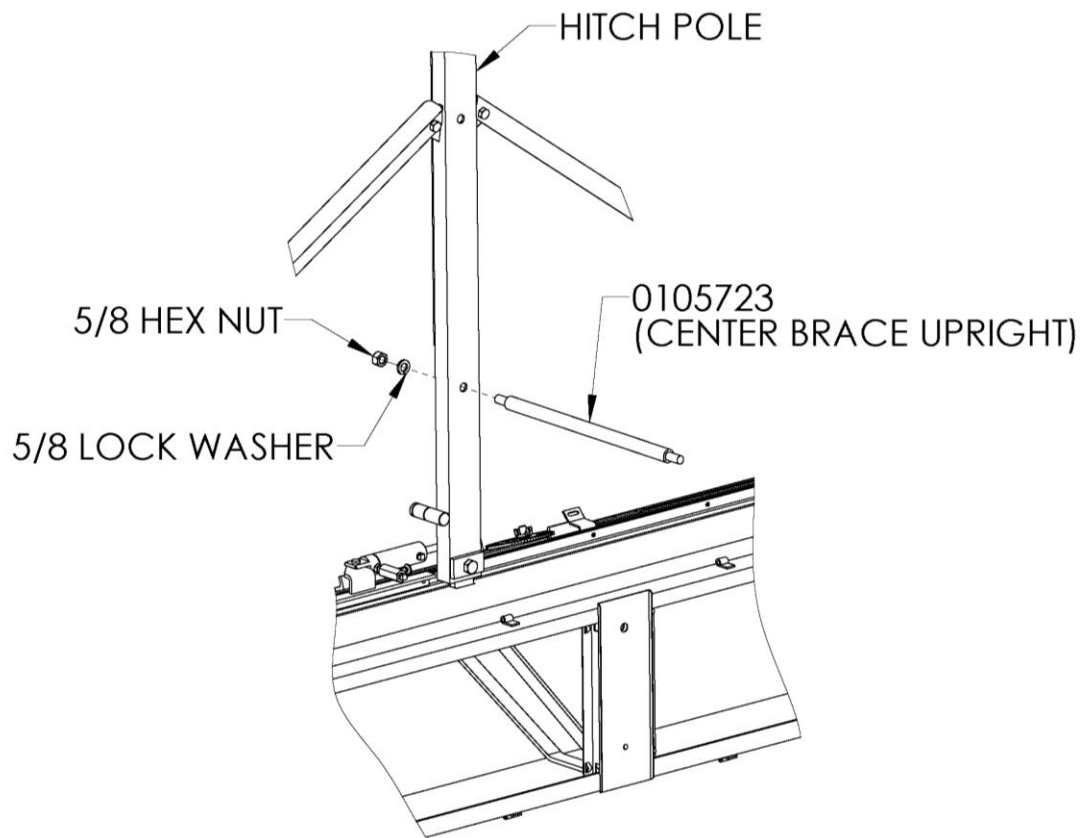
Step #7

Locate the Center Brace Upright part #0105723 shown below.

Remove the 5/8 nuts and lock washers from both ends.

Attach the Center Upright Brace to the hole closest to the spreader on the Hitch Pole.

Use one of the 5/8 lock washer & hex nut to fasten it in place. Do not tighten leave hardware loose.



1000T-A5

Step #8

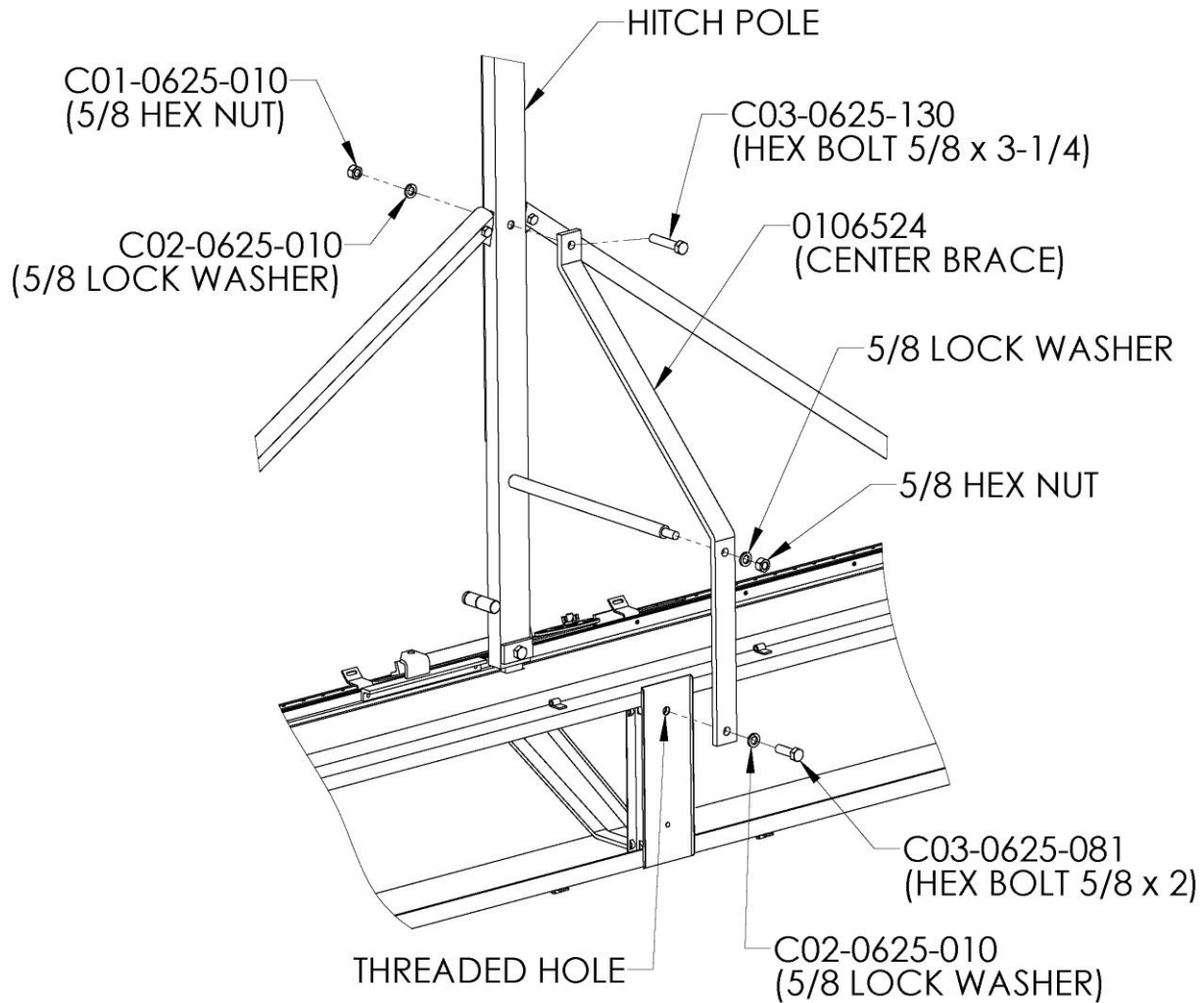
Locate the Center Brace part #0106524 and the hardware shown below.

Attach the Center Brace to the threaded hole in the spreader using the 5/8 x 2 hex bolt and lock washer and at the same time align the Center Upright Brace from last step with hole in Center Brace and use a 5/8 hex nut and lock washer to hold in place. Do not tighten leave hardware loose.

Using the 5/8 x 3-1/4 hex bolt attach the end of the Center Brace to hole in the Hitch Pole using the 5/8 lock washer & 5/8 hex nut.

Securely tighten all the hardware from Step #3 through this step.

After all hardware has been securely tightened tilt spreader down so the spreader is sitting upright.

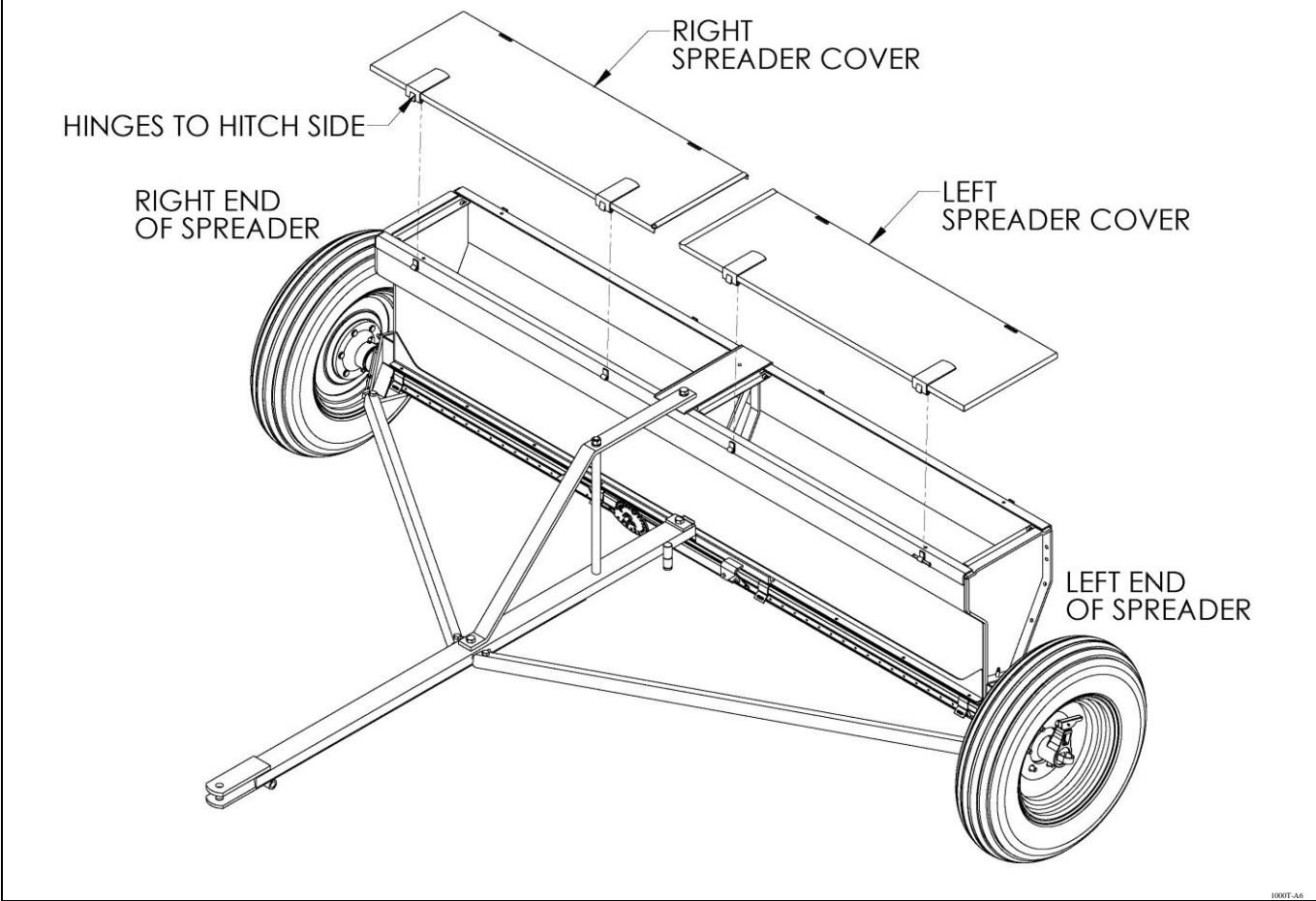


10007-AS

Cover Assembly:

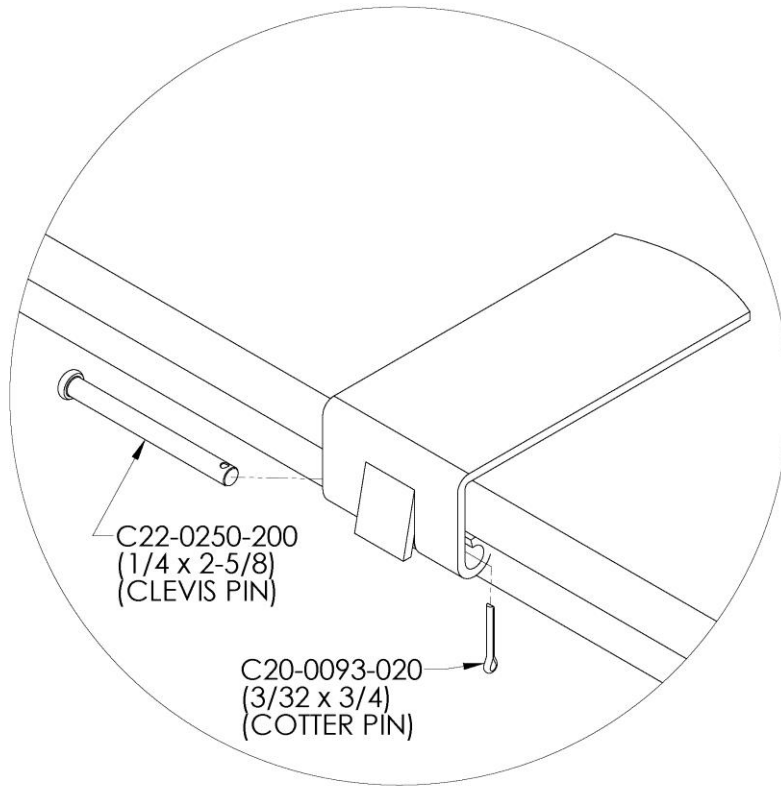
Step #1

Install both Left & Right covers as shown below.



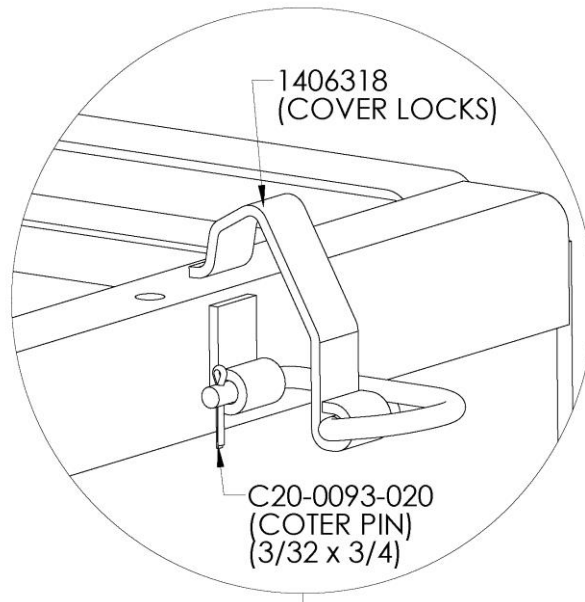
Step #2

With cover in place use the 1/4 x 2-5/8 Clevis Pins and the 3/32 x 3/4 Cotter Pins as shown. Bend cotter pin over to hold clevis pins in place. Repeat this step for the other cover hinges.



Step #3

Locate the four Cover Locks Part #1406318 and the four 3/32 x 3/4 Cotter Pins. Insert Cover lock into the hinge as shown and secure in place using a cotter pin as shown. Bend cotter pin over to hold Cover Lock in place. Repeat this step for the remaining Cover Locks.



Spread-Plate Assembly:

Step #1

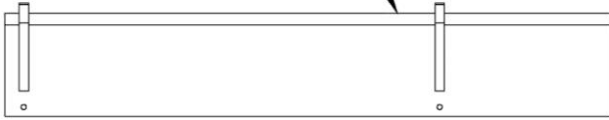
Locate the Left & Right Spread-Plates shown below.

Install Left Spread-Plate to the hanger straps as shown below.

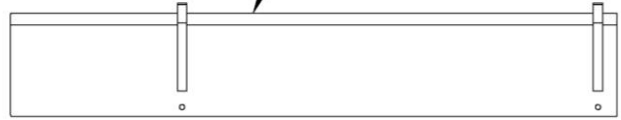
Hanger straps may need to be adjusted to fit spacing of spread-plate hooks by loosening the 1/4" bolts that hold them in place.

Note: A 6-Ft spreader has only one spread-plate that spans the whole distance of the spreader

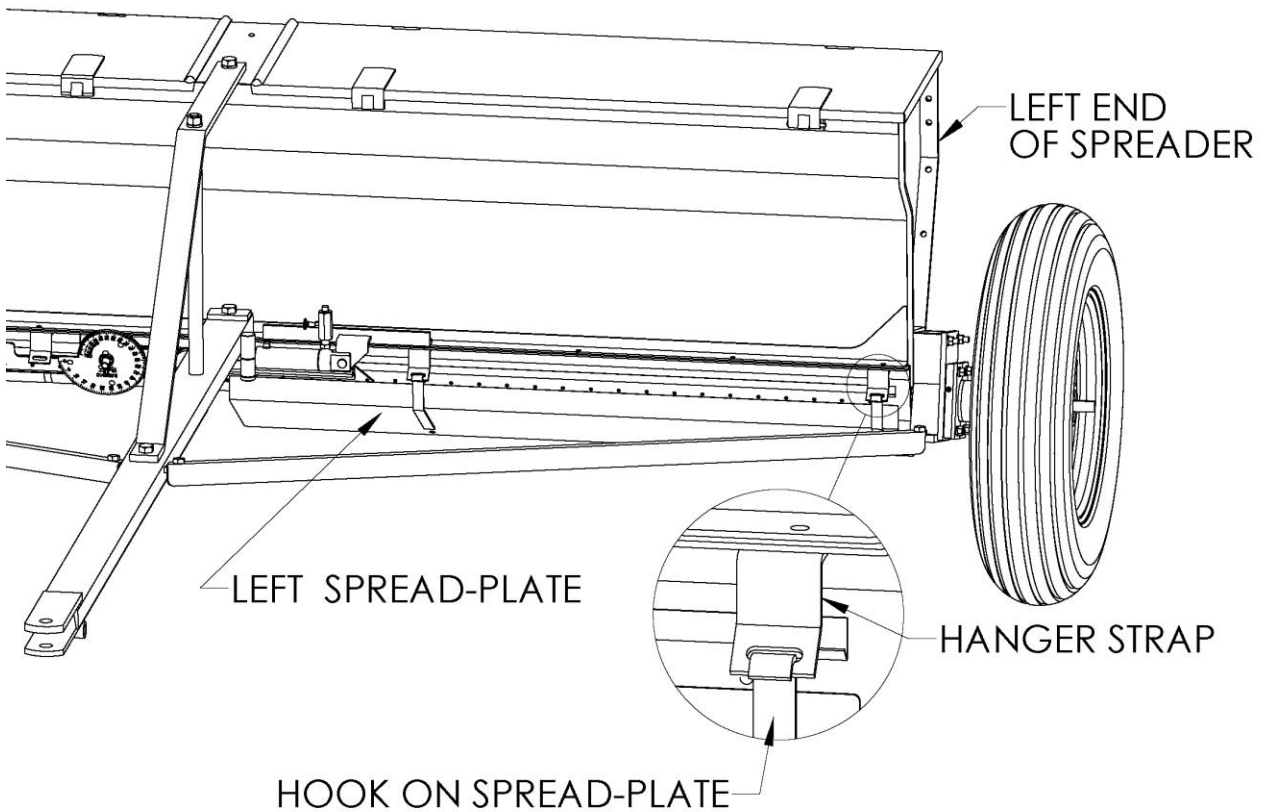
RIGHT SPREAD PLATE



LEFT SPREAD-PLATE



1000T-ASA



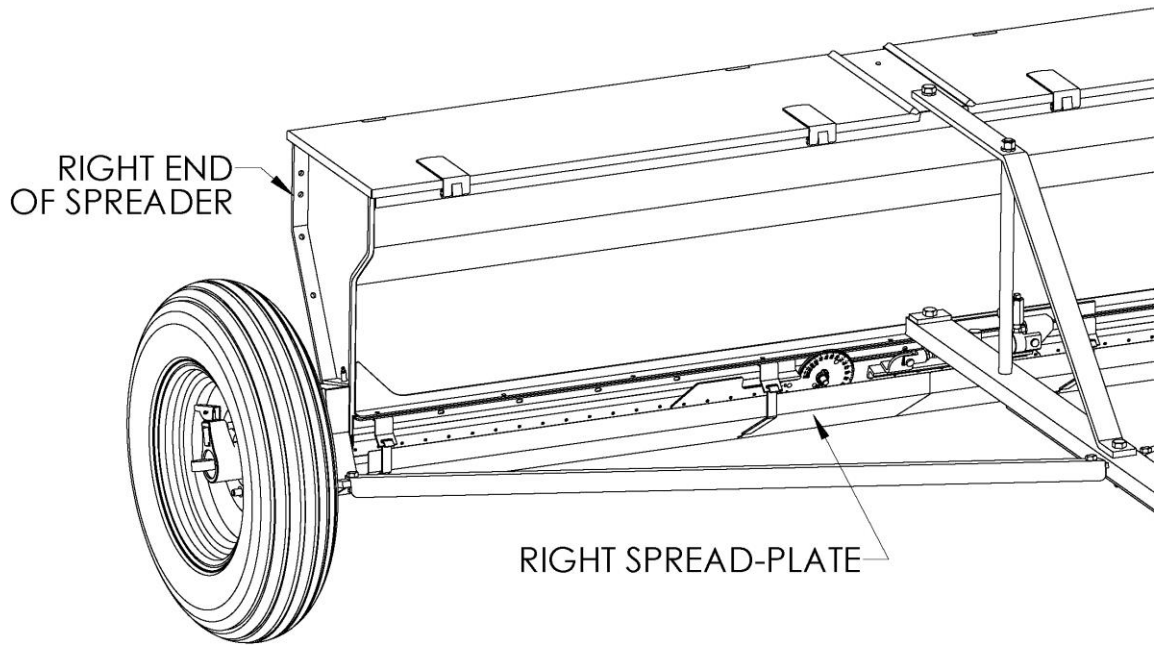
1000T-ASA

Step #2

Install Right Spread-Plate to the hanger straps as shown below.

When installing the Right Spread-Plate the hanger straps may need to be adjusted to fit spacing of spread-plate hooks by loosening the 1/4" bolts that holds them in place. There should be little to no gap between the Left & Right Spread Plate when properly assembled. Tighten all the 1/4" bolts on hanger straps when finished.

Note: A 6-Ft spreader has only one spread-plate that spans the whole distance of the spreader



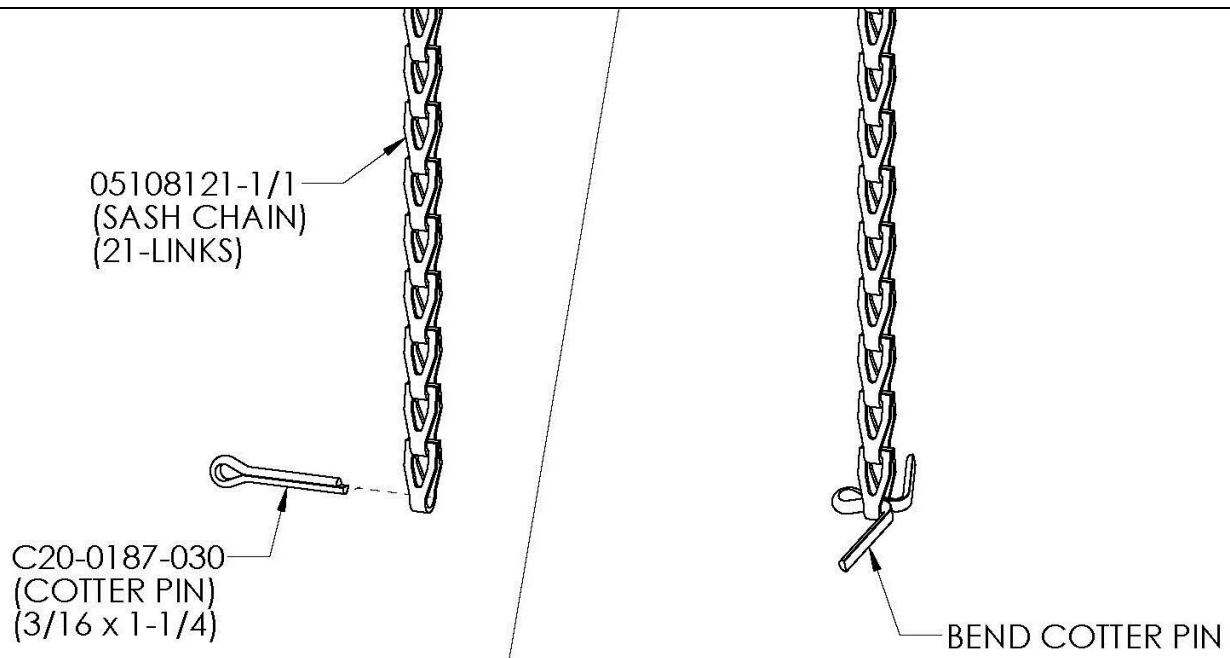
1000T-A9

Step #3

Locate the four 21-link Sash Chains Part #05108121-1/1 and four 3/16 x 1-1/4 Cotter Pins.

Install the cotter pin into the round end of the sash chain and bend both ends of the cotter pin as shown so it cannot fall out. Do this for the other sash chains.

Note: A 6-Ft spreader will only use two sash chains & two cotter pins.



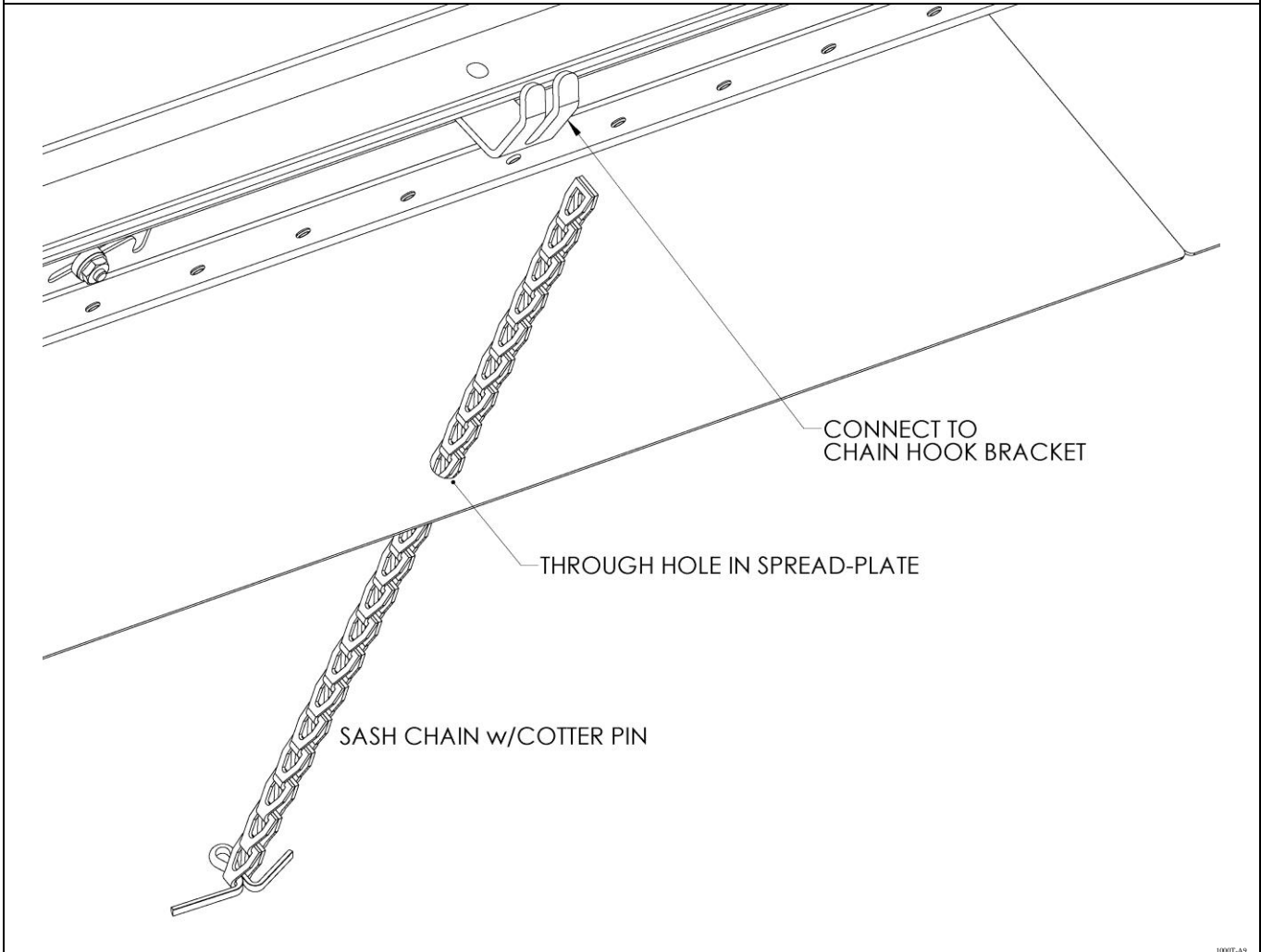
1000T-A10

Step #4

Insert sash chain w/cotter pin through hole from the bottom of the spread-plate until cotter pin comes in contact with spread-plate. Connect sash chain to Chain Hook Bracket.
Repeat this step for the remaining three sash chains.

Note: A 6-Ft spreader will only use two sash chains & two cotter pins.

Adjust all the chains so the spread plates hang at about a 45 degree angle or more. This is a starting point only. When using different materials the angle may need to be adjusted up or down to create a sheet like flow for even coverage.



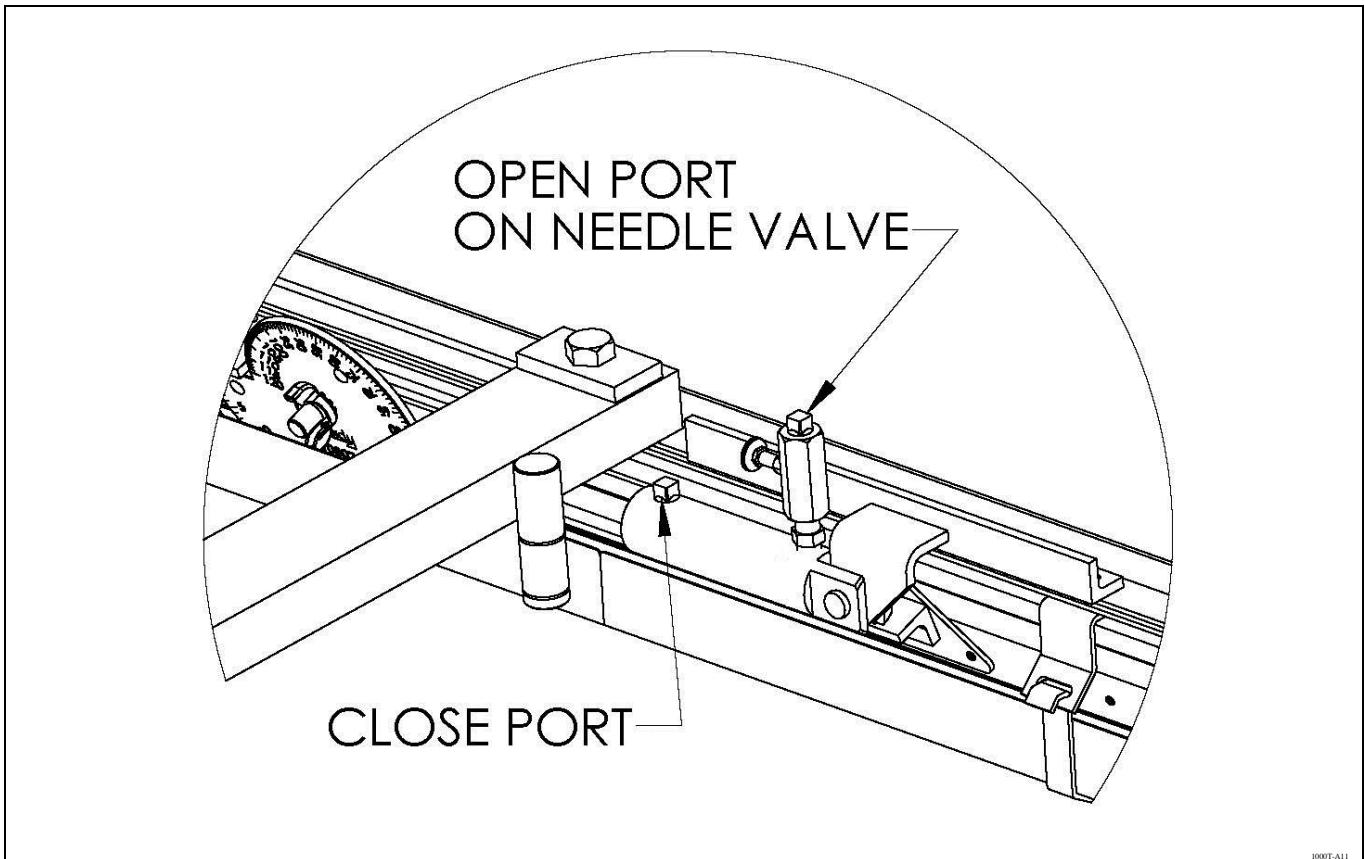
Hydraulic Cylinder Hook-Up

Hydraulic hoses are supplied by the customer. Use 1/4" hydraulic hose with 1/4" NPT fitting for connecting to the hydraulic cylinder. Remove the two plastic plugs in each port and connect lines to ports.

Before using for the first time screw the needle valve all the way in then only open the needle valve 1/4 turn and try the hydraulics to open and close the bottom.

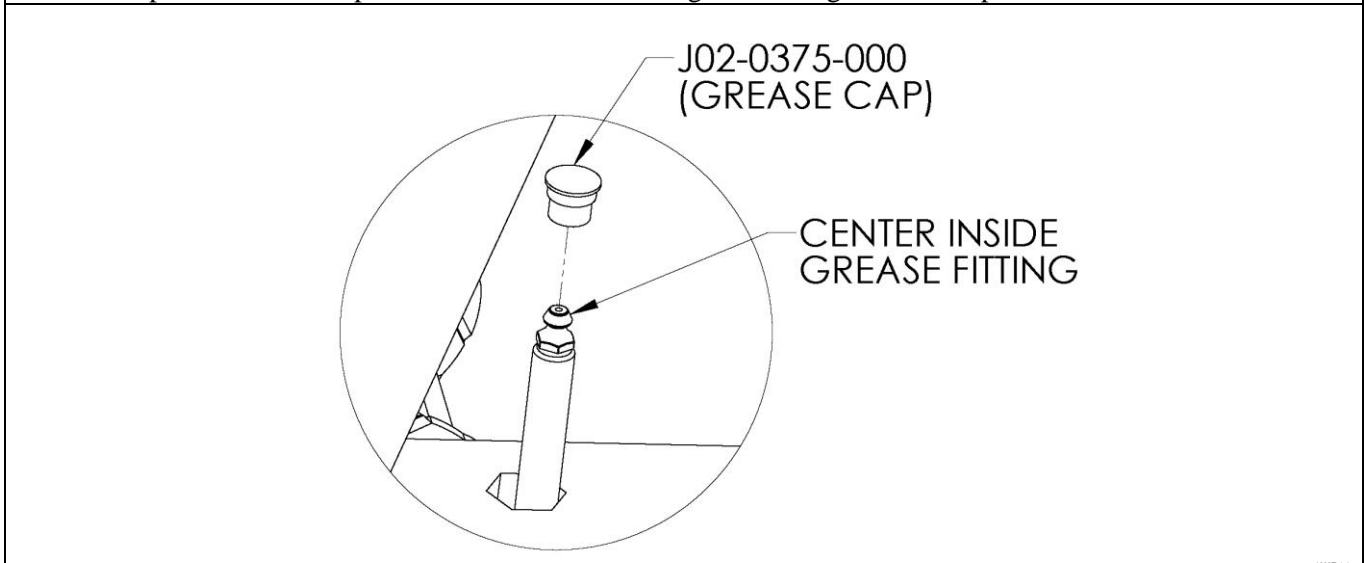
You want the bottom to move very slowly when opening the bottom so as to not put a lot of force on the cam-gauge when it bottoms out on the cam-gauge stop. This may take a couple of adjustments and tries to set up.

Note: If the bottom opens too fast and hard it can damage the cam-gauge and or break the cam-gauge off.



Grease Cap

Locate the plastic Grease Cap and install it on the center grease fitting inside the spreader as shown.

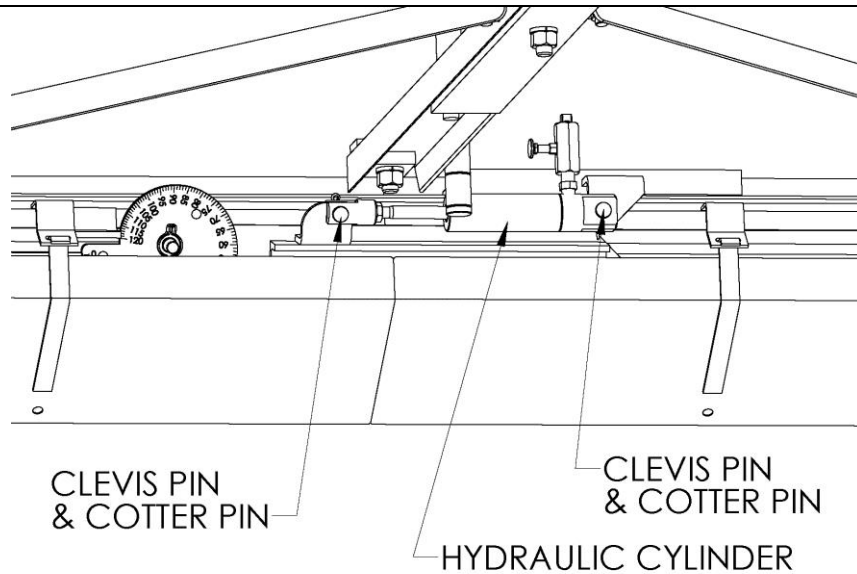


Optional Hand Lever Shut-Off Assembly:

The following instructions are for assembling the manual hand shut-off lever if not wanting to use the factory installed hydraulic shut-off. This will require the removal of the hydraulic cylinder shut-off.

Step #1

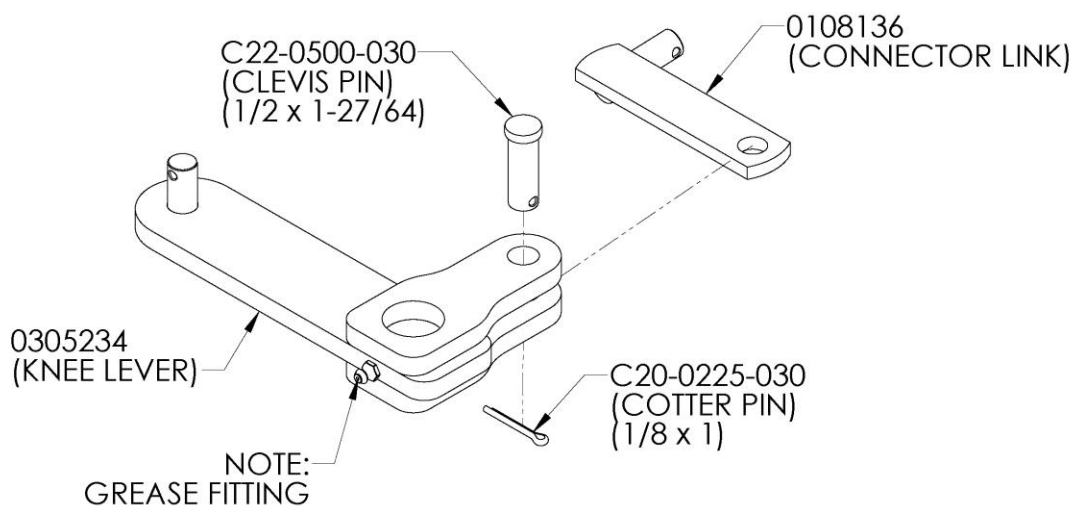
Remove the two clevis pins & cotter pins holding the hydraulic cylinder in place and remove hydraulic cylinder. Reinstall the clevis pins & cotter pins on hydraulic cylinder as to not lose them.



100T-A11

Step #2

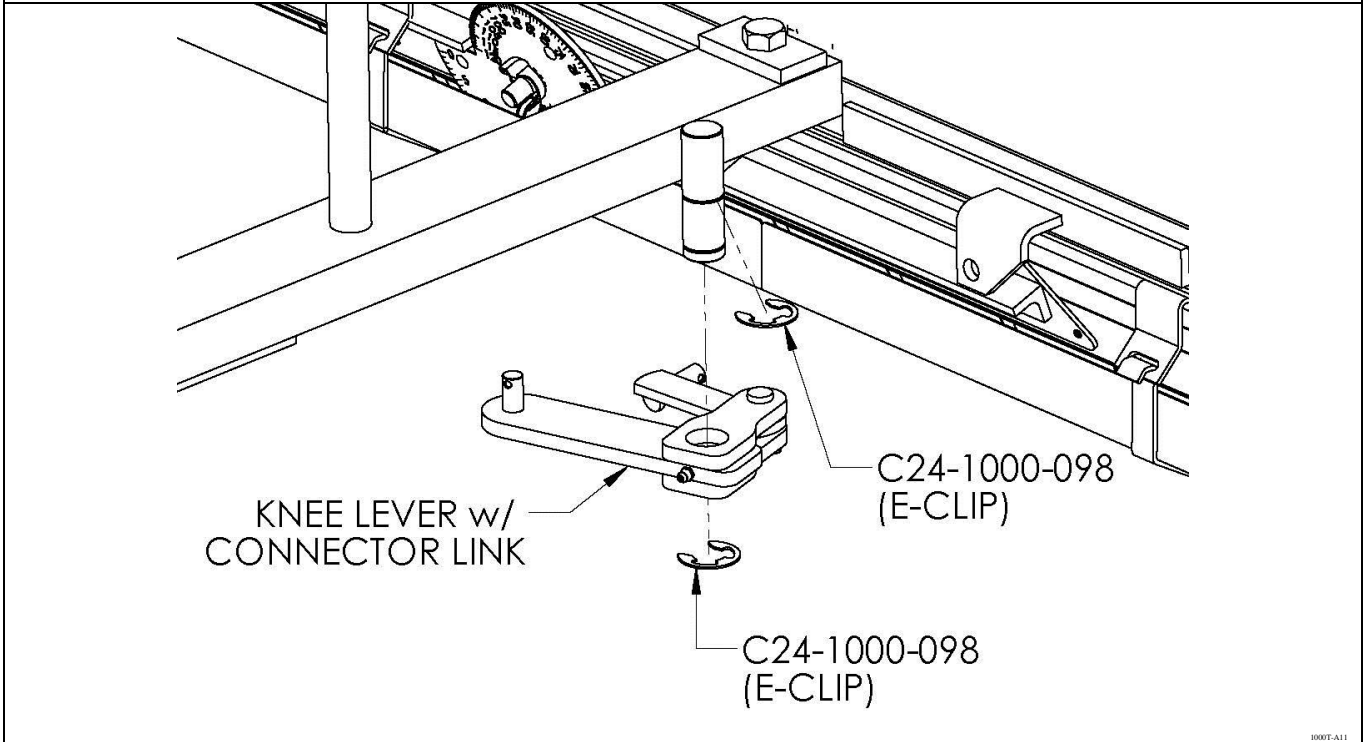
Locate Knee Lever part #0305234 and Connector Link part #0108136. Attach Connector link to the Knee Lever as shown using a 1/2 x 1-27/64 Clevis pin 1/8 x 1 Cotter pin as shown. Bend cotter pin to secure in place.



100T-A12

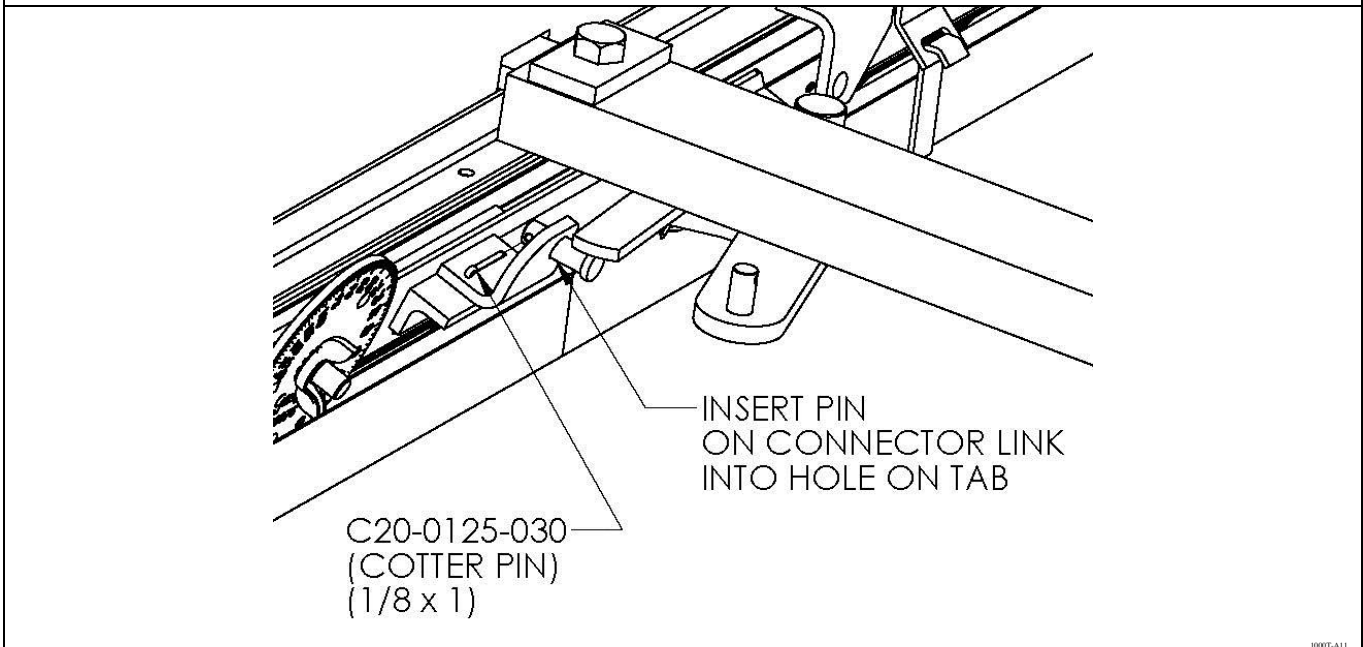
Step #3

Take Knee Lever with Connector Link from last step and assemble it to the pin on the hitch as shown using two E-Clips.



Step #4

With Knee Lever & Connector Link in place from last step insert pin on connector link into hole on tab as shown and secure in place using a 1/8 x 1 Cotter pin. Bend cotter pin to secure in place.



Step #5

Locate Lower Lever part #0305229 and Pivot Bolt (3/4 x 4-1/2) part #01081363.

Insert pivot bolt through tube in hitch as shown.

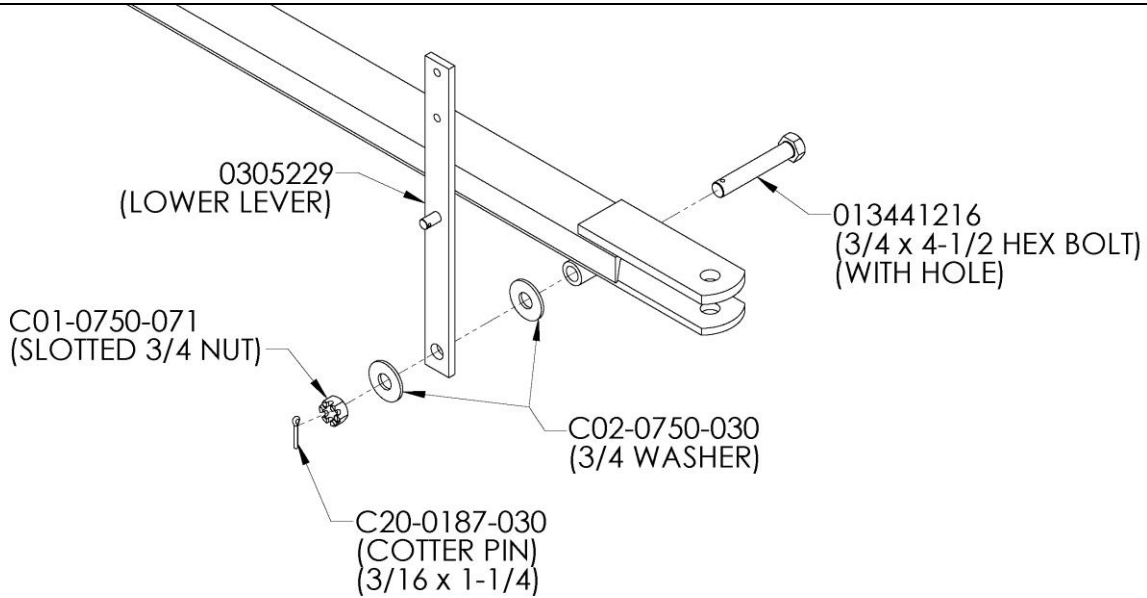
Place a 3/4 washer over bolt as shown.

Next place lower shut-off lever over bolt as shown.

Then place a 3/4 washer over bolt and attach 3/4 slotted nut.

Tighten slotted nut so lower shut-off handle can pivot freely.

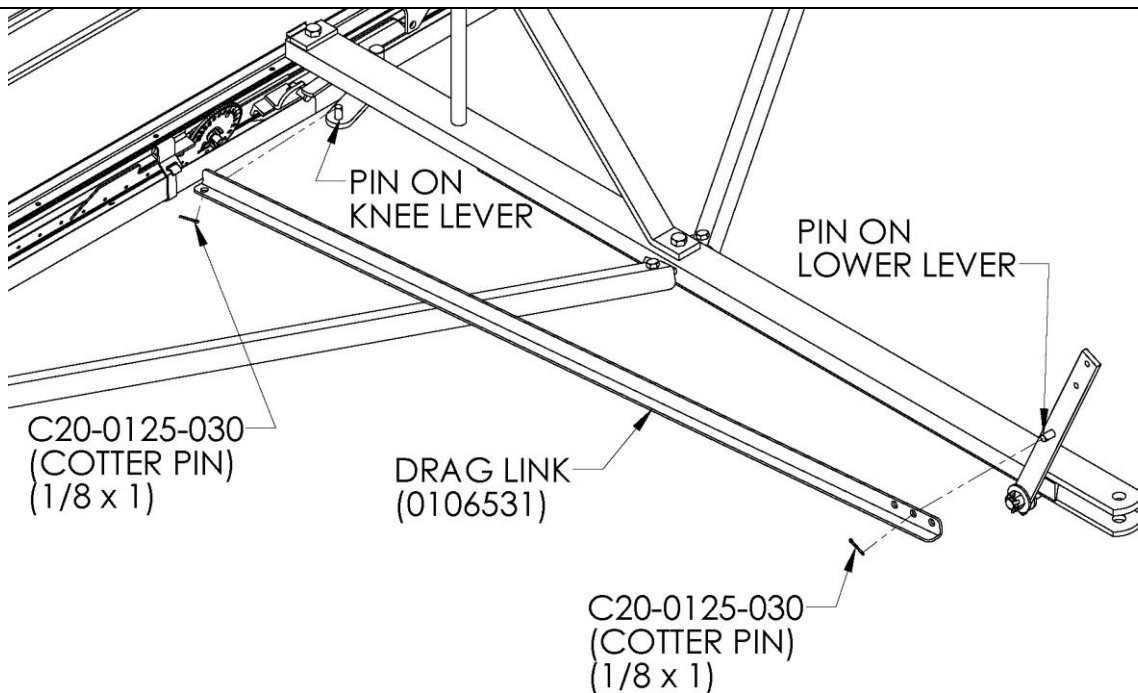
Install 3/16 x 1-1/4 cotter pin through slotted nut and secure in place.



Step #6

Locate Drag Link part #0106531. Attach the drag link (end with one hole) to the pin on knee lever as shown and secure in place using a 1/8 x 1 cotter pin.

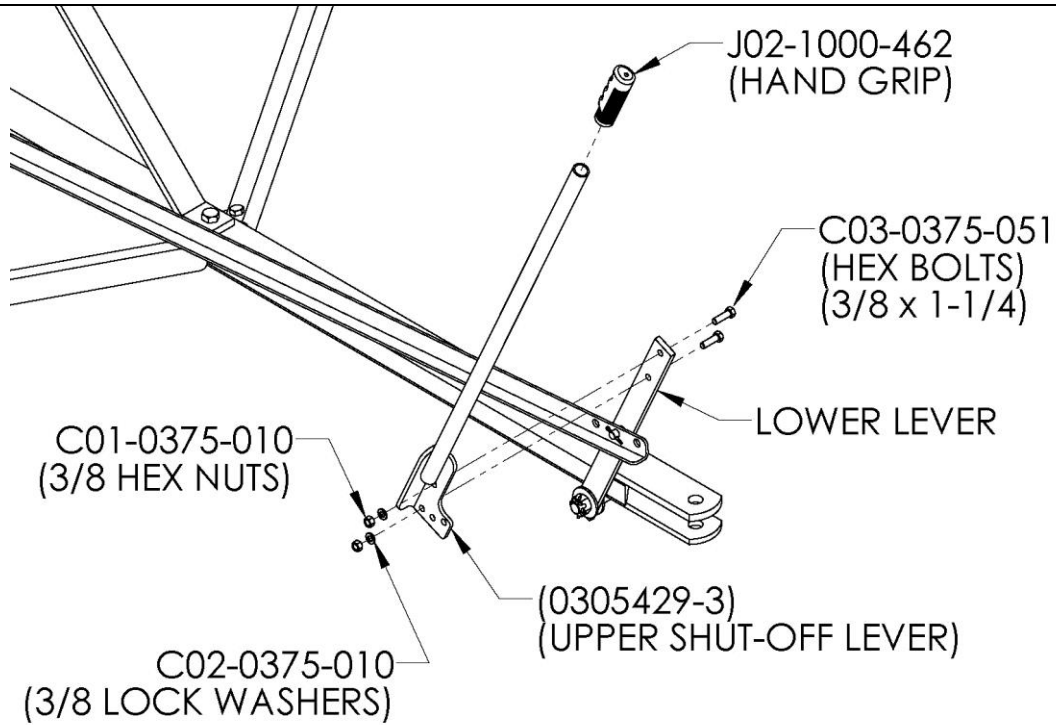
Next attach the drag link (end with three holes) to the pin on the lower lever as shown and secure in place using a 1/8 x 1 cotter pin.



Step #7

Locate Upper Shut-Off Lever part #0305429-3.

Attach the Upper Shut-Off Lever part #0305429-3 to the lower lever as shown using two 3/8 x 1-1/4 hex bolts, 3/8 lock washers and 3/8 hex nuts. Next install the Hand Grip as shown on end of shut-off lever.



Step #8 (Shut-Off Handle Adjustment)

Depending on what type of tractor you are using the shut-off handle can be adjusted to different positions.

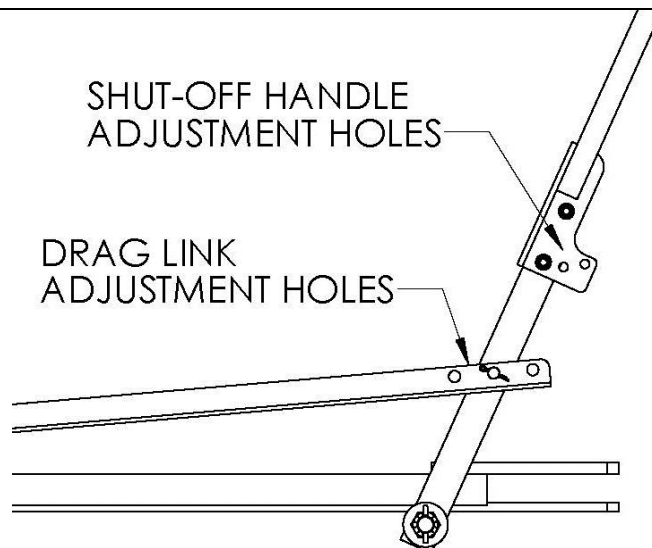
The three holes in the drag link tip the bottom towards or away from the hopper.

The three bottom holes in the shut-off handle pivots the handle towards the tractor.

Note: The shut-off lever can be reversed and mounted on the other side to pivot the handle towards the spreader.

Pulling the handle forward to the tractor opens the bottom to start material flowing.

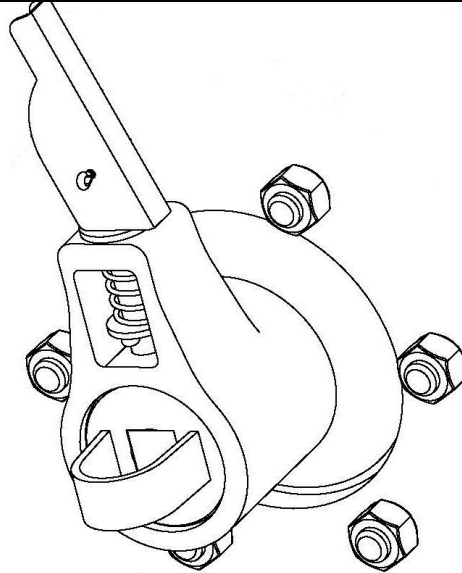
Pushing the handle towards the spreader closes the bottom to stop material from flowing.



Built in Ground Driven Wheel Hub Manual Operation:

Out of Gear Position, Lever Up:

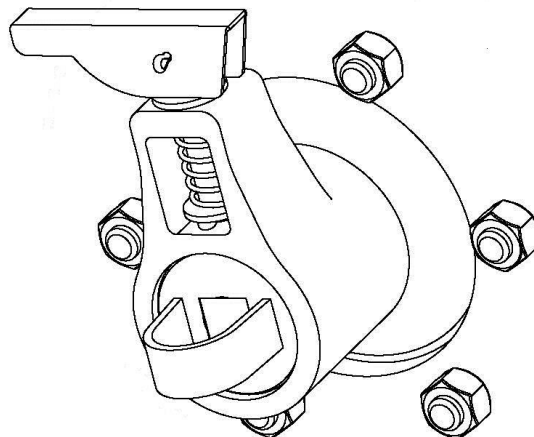
When traveling to and from field locations flip the clutch lever in the up Out of Gear position as shown below. When the clutch lever is in the up position the rotor bars inside the spreader do not turn. This keeps the spreader from grinding up the product that is in the rotor bar location. This can also be used to shut off half of the spreader (Left or Right) if you do not need the spread the full width.



100T-OPP-A1

In Gear Position, Lever Down:

When applying material flip the clutch lever in the Down in Gear position as shown below. When the lever is in the down position the rotor bars inside the spreader will turn agitating the material in the spreader to help it evenly flow. Do this for both Left & Right ends.

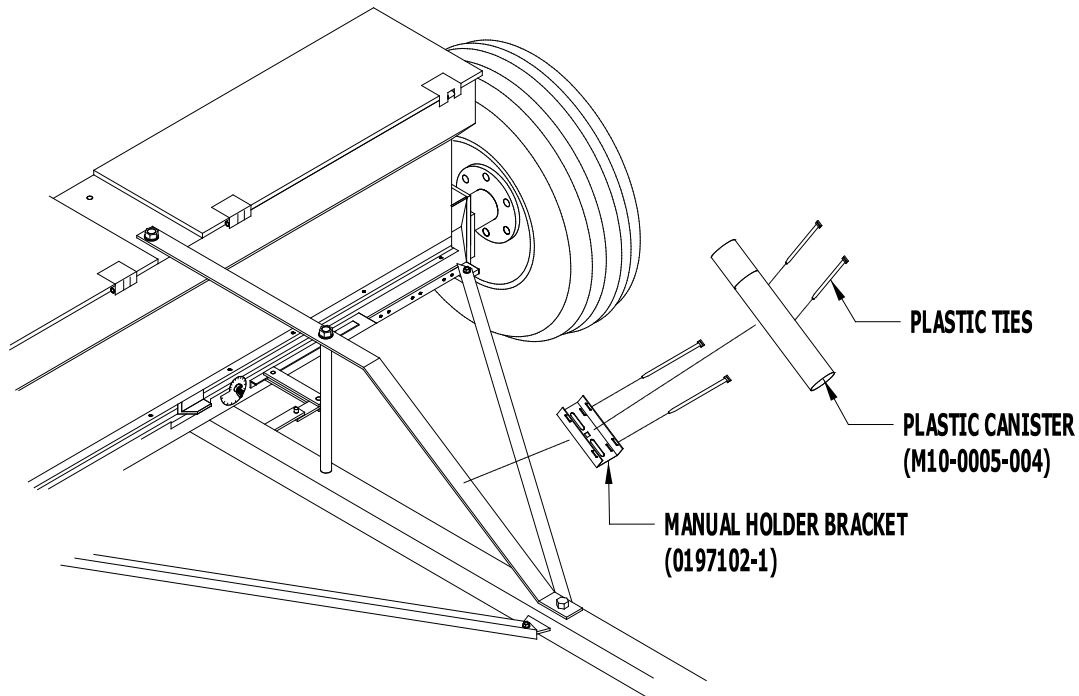


100T-OPP-A

Manual Holder Bracket

Mount manual holder in a convergent location on unit.

Store Operator's manual, Packing List & Rate Chart for convergent access.



Maintenance

See Operator's manual for more instructions.

Check all bolts for tightness after first two hours of use; check periodically thereafter.

Grease all fittings regularly per Operators Manual.

There are **Nine** grease fittings on this hopper.

There are **Three** grease fittings on each Left & Right Wheel Hub & Collar (see page #12 for locations).

There is **One** grease fitting on each end bearing (L&R) and **One** on the center bearing inside hopper.

Optional Hand Lever Shut-Off.

There is **One** grease fitting on the knee lever (part #0106531) (see page #33 for location).

Optional Accessories (Ordered Separately, Not Part of Hopper Assembly)

#0101103----- Electric Actuator Shut-Off

#0108013----- Clamp-on Hole Closures (to close off openings, order one per opening)

#0108190----- Deflector, Side -Dressing (order one per opening)

Calibration Pans (For Catching & Weighting Material For Calibration)

#01125214 ----- Calibration Pan 6-Ft Long (order one for 6-ft hopper) (order two for a 12-ft hopper)

#01105214 ----- Calibration Pan 5-Ft Long (order two for a 10-ft hopper)

#01885214 ----- Calibration Pan 4-Ft Long (order two for a 8-ft hopper)