



Parts & Assembly Manual

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Turf Tender[®]

36T13 (Beginning w/ Serial #153868)

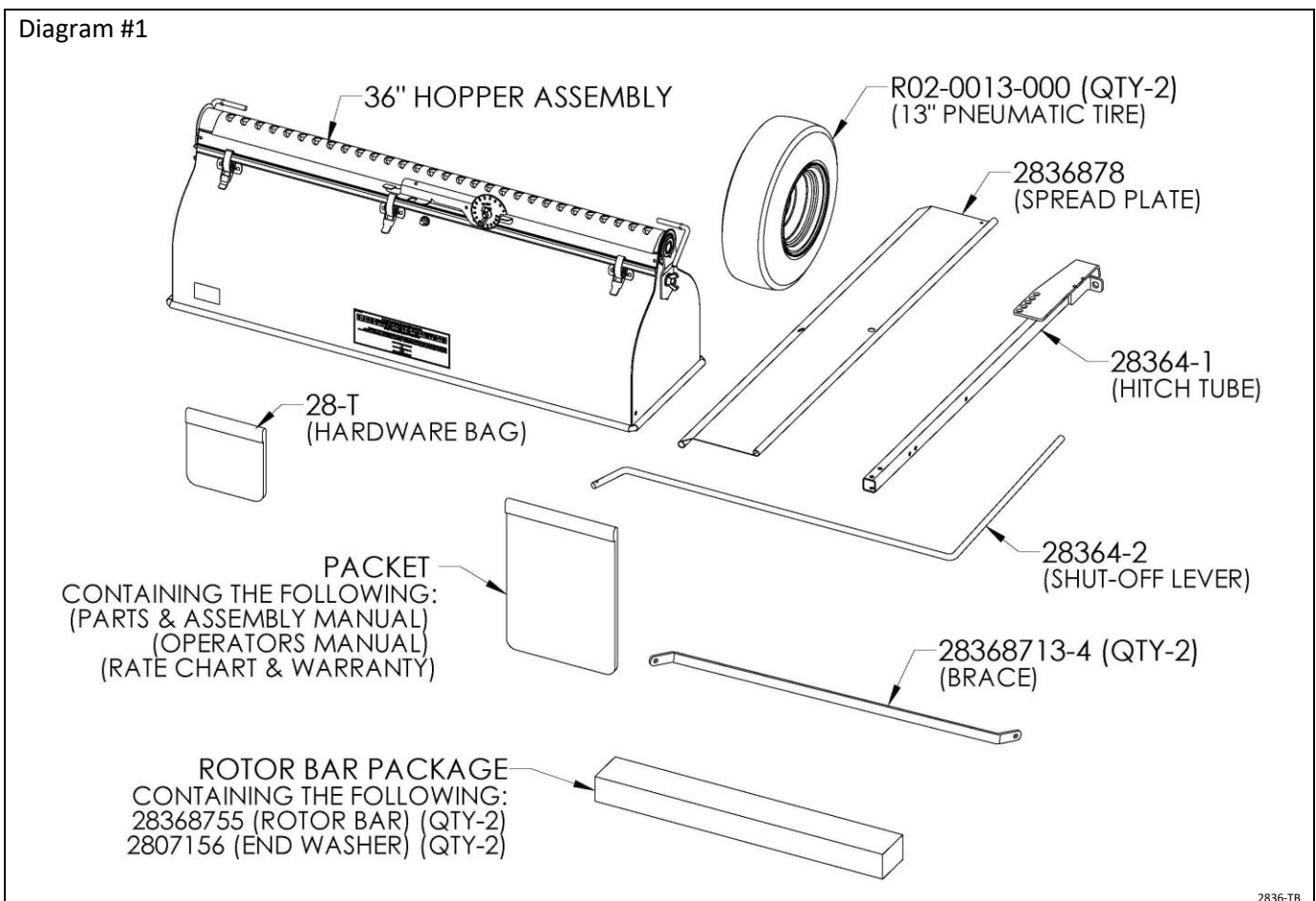
36-inch Variable Rate Spreader

Tow Model w/13-inch Pneumatic Tires and Spread Plate

(All Hardware in Hardware Bag Unless Otherwise Specified)

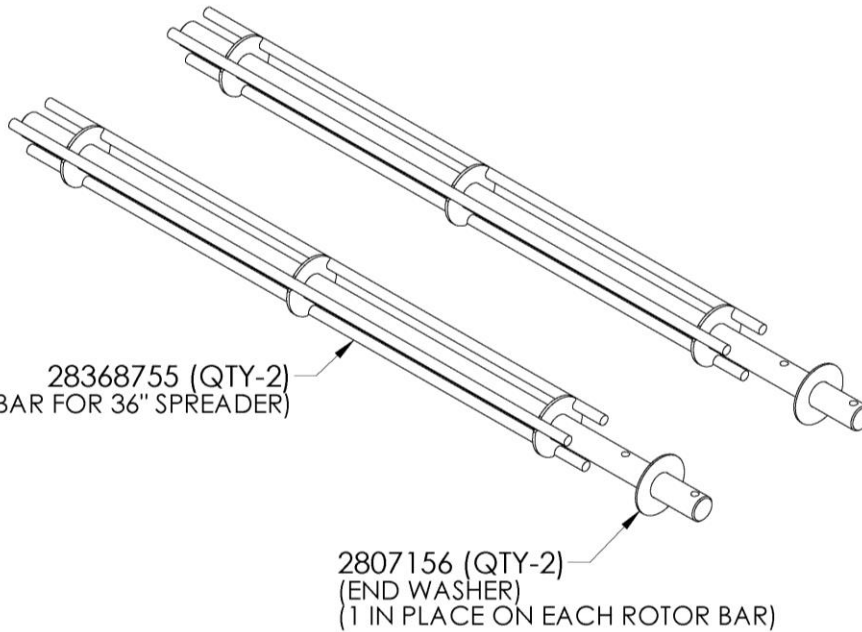
Carton Containing the Following Parts:

Diagram #1



Rotor Bar Package (for 36" Spreader) Contents:

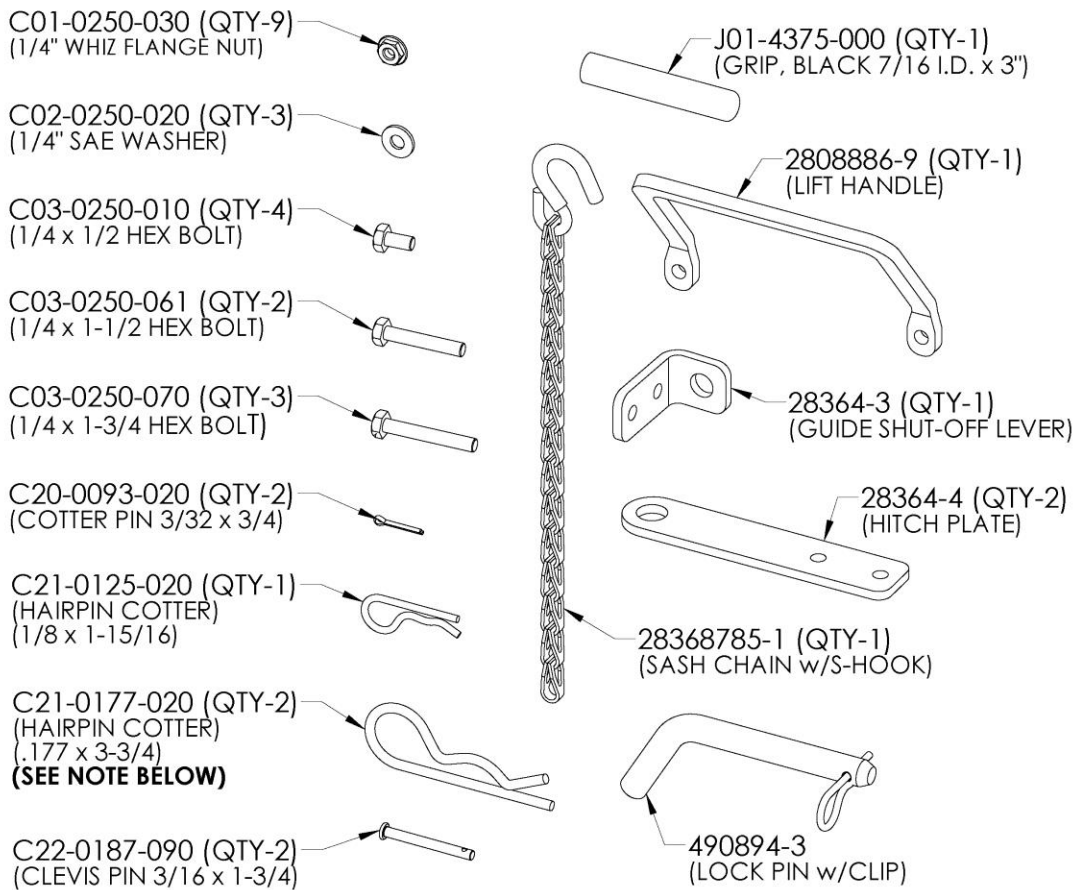
Diagram #2



2836-RP

Hardware Bag 28-T Contents:

Diagram #3



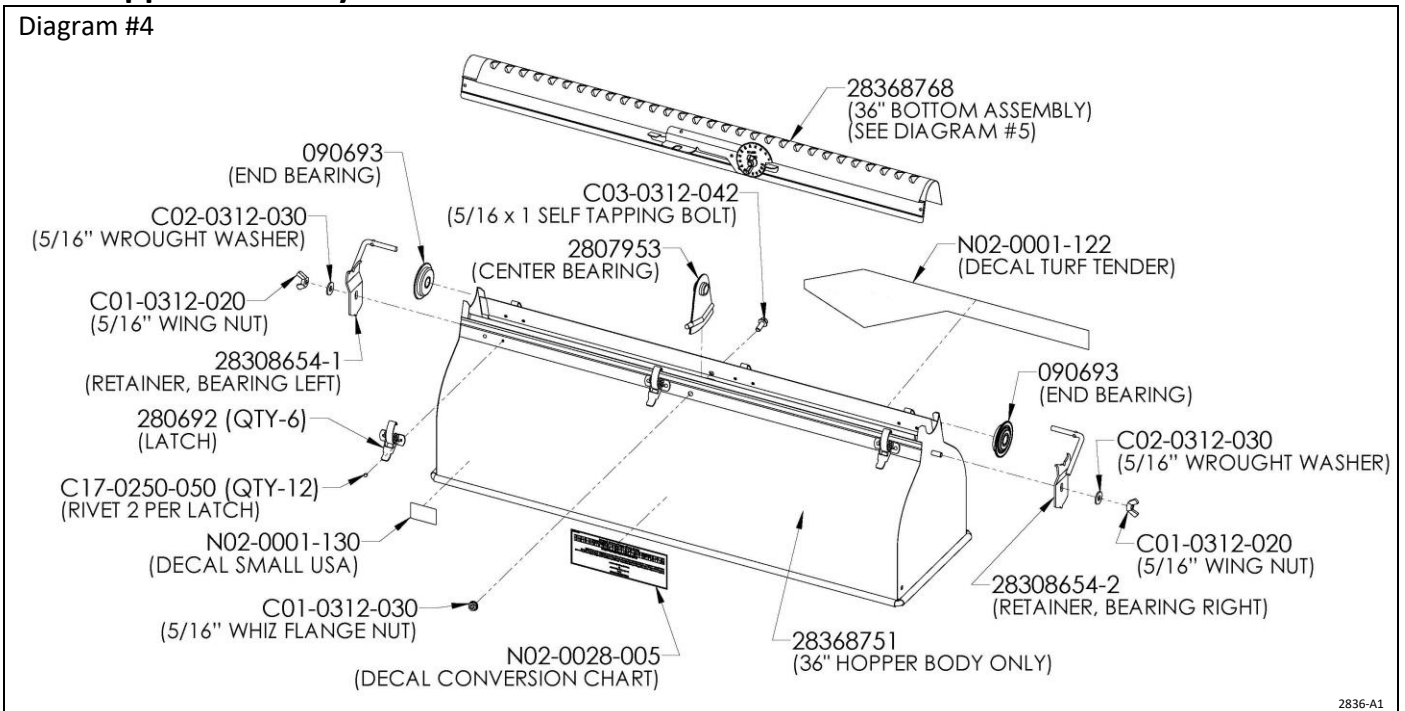
28-T

Note:

Part numbers C21-0177-020 (Qty-2) is not used in this spreader package.

36" Hopper Assembly Schematic

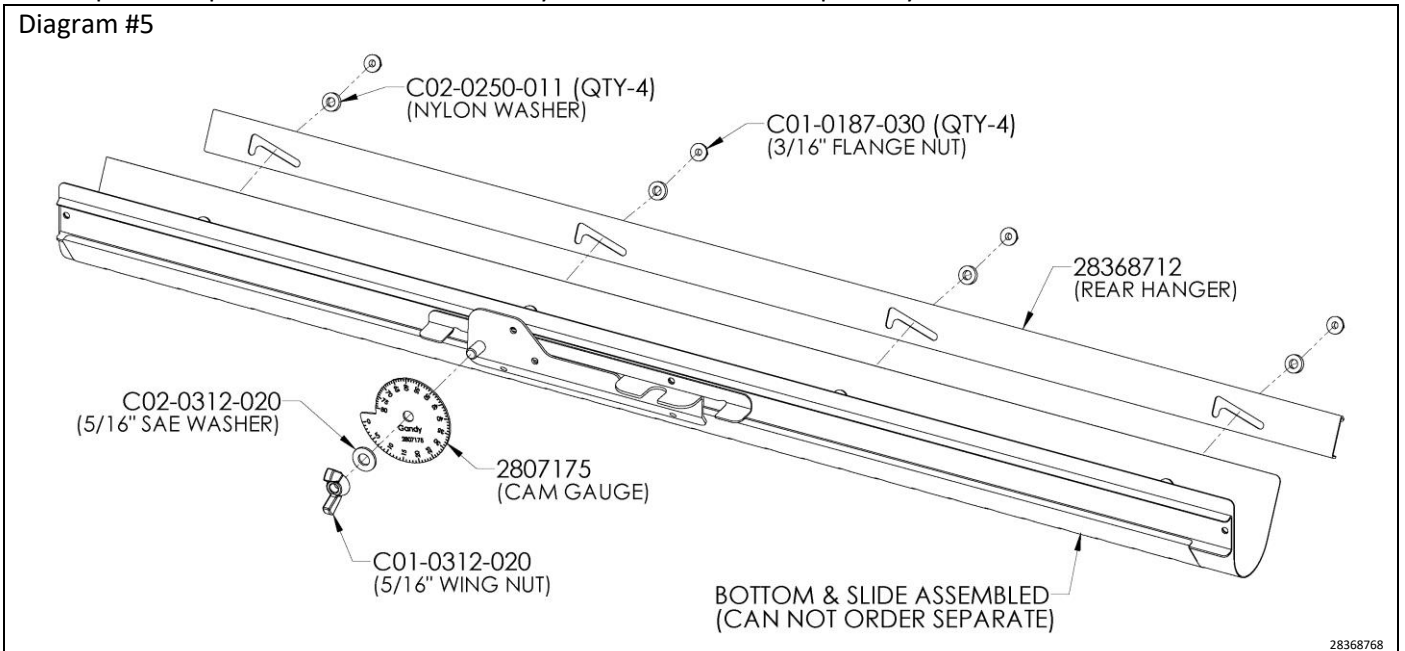
Diagram #4



Bottom Assembly (28368768) Breakdown:

These parts are part of the Bottom Assembly but can be ordered separately.

Diagram #5



Assembly Instructions: (All Hardware & Small Parts in Hardware Bag Unless Otherwise Specified)

Please read and review all instructions before starting to assemble.

Minimum tools required.

Pliers, Two 7/16" Wrenches & One 1/2" Wrench

Step# 1 (Unpacking & Rotor Bar Assembly)

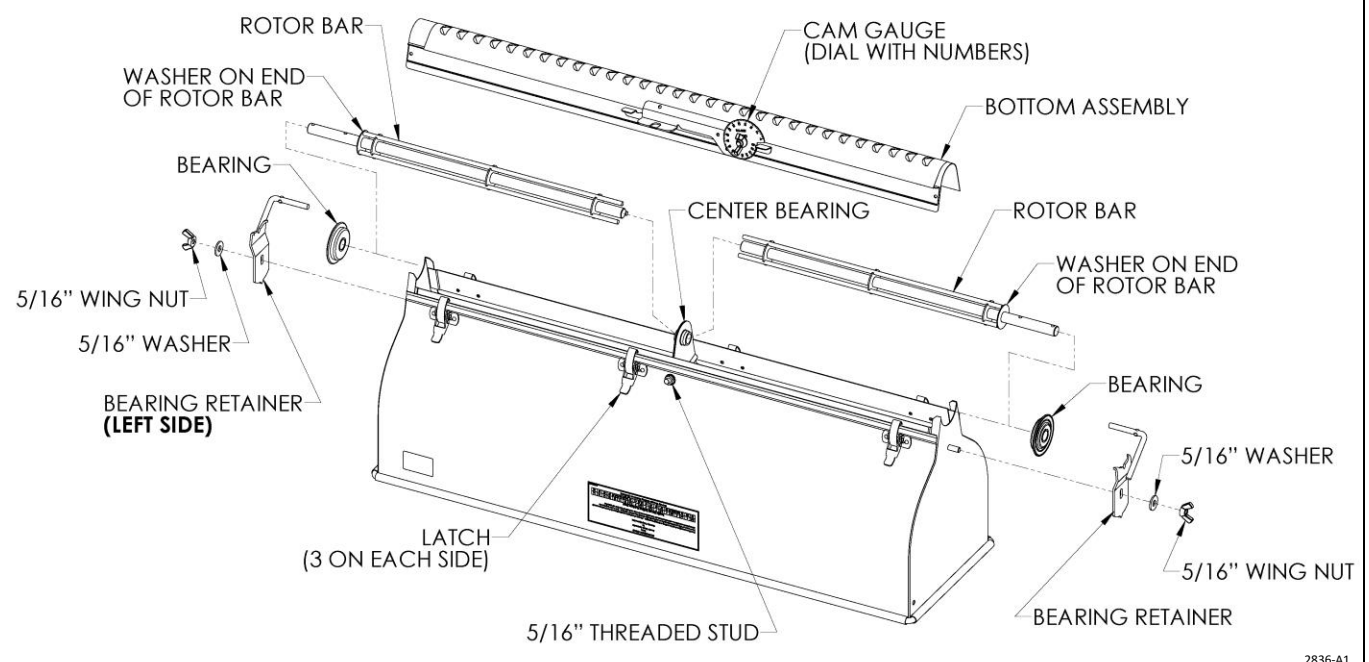
Remove contents from carton and check all parts against page #1 to confirm parts.

Un-wrap rotor bars, making sure one washer stays on each long end of rotor bar. (See Diagram #2 on page #2)

Carefully open the hardware bag and check all parts against page #2, Diagram #3 to confirm all parts.

1. **Note:** Lay something down (piece of cardboard or blanket) to protect hopper from being scratched up. Place hopper upside down with cam gauge facing you.
2. Un-snap latches on hopper (three each side) and un-hook from bottom assembly.
3. Remove bottom assembly from hopper by pulling straight up on it.
4. Remove the 5/16" wing nut and washer from each bearing retainer and remove both bearing retainers. Save the wing nuts & washer as they will be re-used latter.
5. Remove both bearings from hopper. (Note: Bearing may fall out when removing bearing retainers.)
6. Install rotor bars (short end of rotor bar) into center bearing.
7. Slide bearing onto rotor bar (long end) up to hopper, making sure washer is still on rotor bar. Repeat for other rotor bar. Make sure center bearing is standing straight up.
8. Install bottom assembly back onto hopper. Cam gauge will be on same side as the 5/16" threaded stud.
9. Make sure bearings are pushed into hopper, re-snap all six latches to hold bottom in place.
10. Re-install left side bearing re-using the 5/16" washer and wing nut to hold bearing retainer in place. When installing make sure the rod on the bearing retainer is on the opposite side of the cam gauge. Other bearing retainer will be re installed in the next step.

Diagram #6

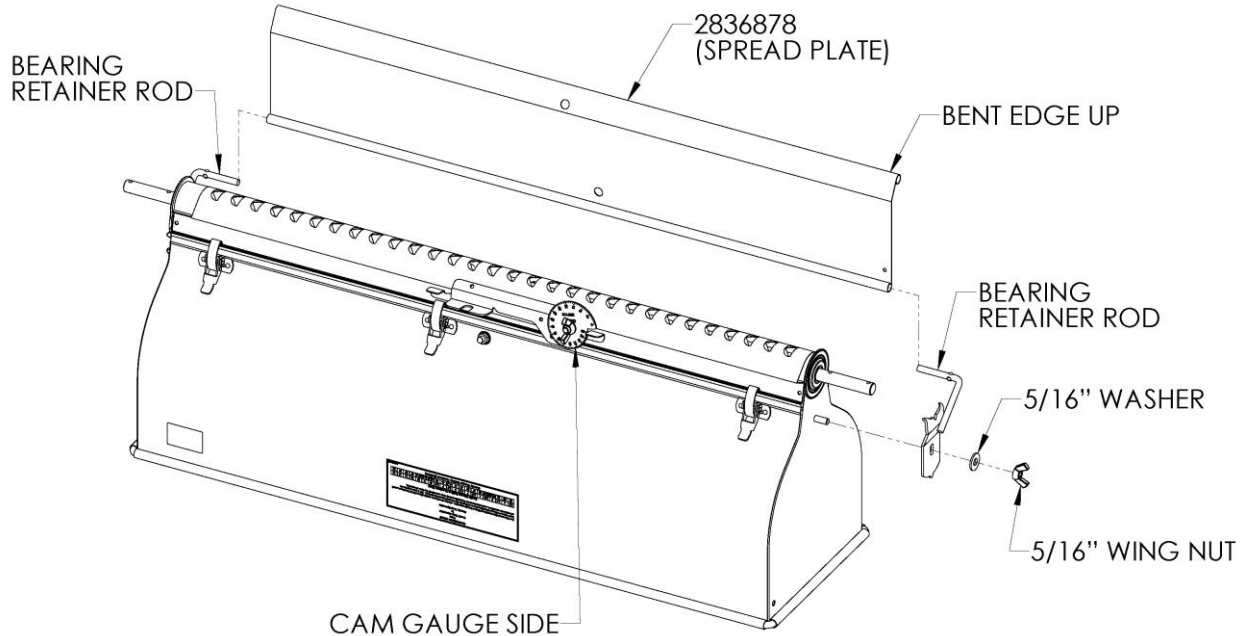


2836-A1

Step# 2 (Spread Plate Assembly)

1. Locate Spread Plate (2836878).
2. Slide rolled edge (side without bend) of spread plate onto bearing retainer rod as shown in Diagram #7.
3. Re-install the last bearing retainer to hopper and spread plate re-using the 5/16" washer and wing nut.
3. Adjust bearing retainers so spread plate can pivot freely. Tighten both 5/16" wing nuts securely.

Diagram #7

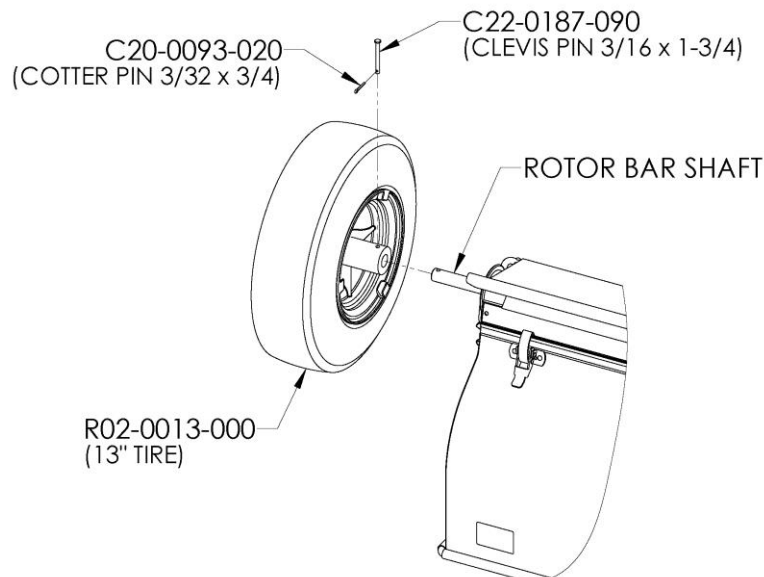


2836-A1

Step# 3 (Tire Assembly)

Install tire (R02-0013-000) to rotor bar shaft end using the 3/16 x 1-3/4 clevis pin (C22-0187-090) and 3/32 x 3/4 cotter pin (C20-0093-020). Pin tire to the hole in the rotor bar that is closest to hopper. Repeat for other tire.

Diagram #8



2836-A1

Step# 4 (Locate the Following Parts & Hardware)

Parts:

Hitch Tube (28364-1)

Shut-Off Lever (28364-2)

Guide Shut-Off Lever (28364-3)

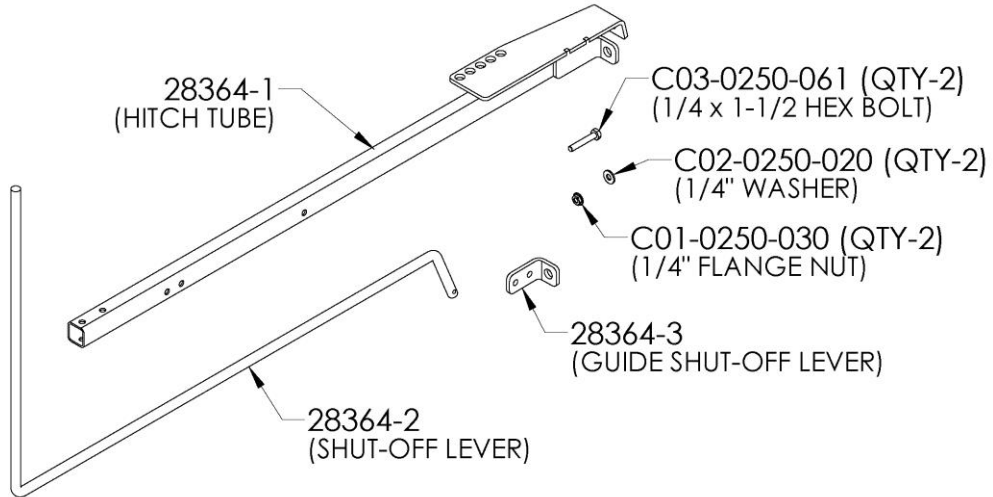
Hardware:

1/4 x 1-1/2 Hex Bolts (C03-0250-061) (Qty-2)

1/4" Washers (C02-0250-020) (Qty-2)

1/4" Flange Nuts (C01-0250-030) (Qty-2)

Diagram #9



2836-T1

Step# 5 (Hitch Tube & Shut-Off Lever Assembly)

1. Insert the angled end of shut-off lever (28364-2) (end with hole) into guide tab on hitch tube as shown in Diagram #10.
2. When the angled corner of the shut-off lever hits the guide tab rotate the shut-off lever up towards the hitch tube until the shut-off lever goes through the guide tab. See diagram #11.
See diagram #12 for in place view.

Diagram #10

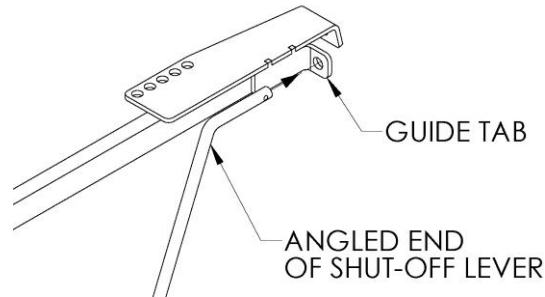


Diagram #11

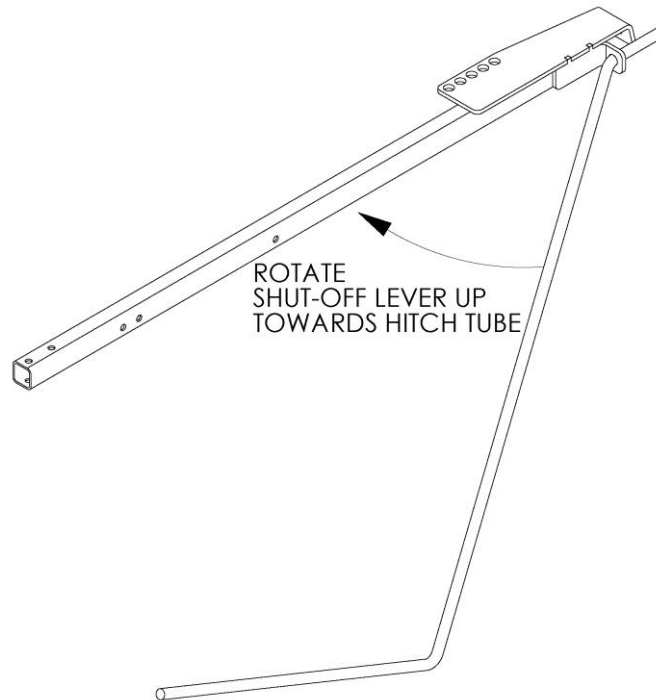
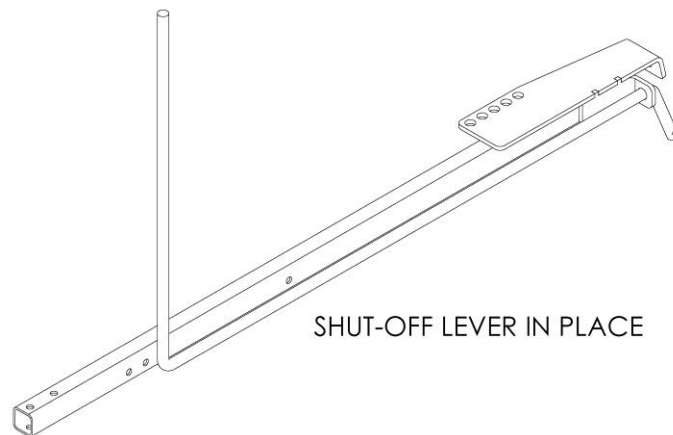


Diagram #12

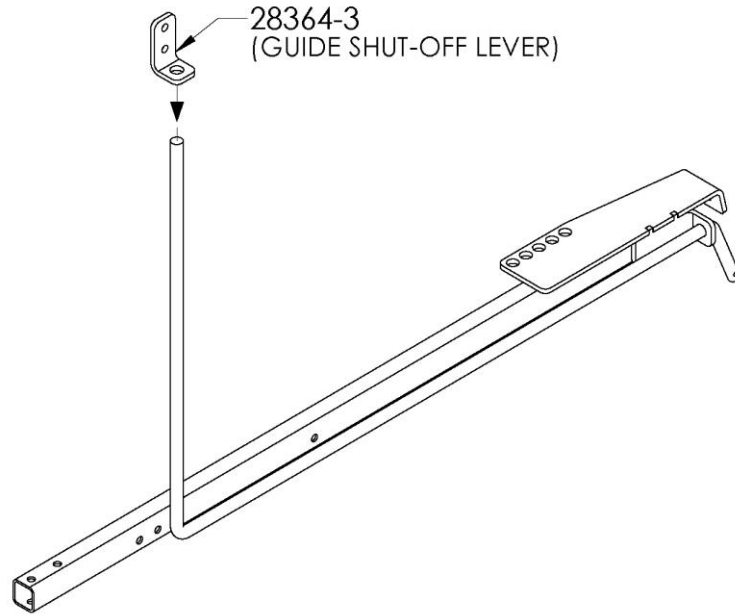


2836-T2

Step# 6 (Guide Shut-Off Lever Assembly)

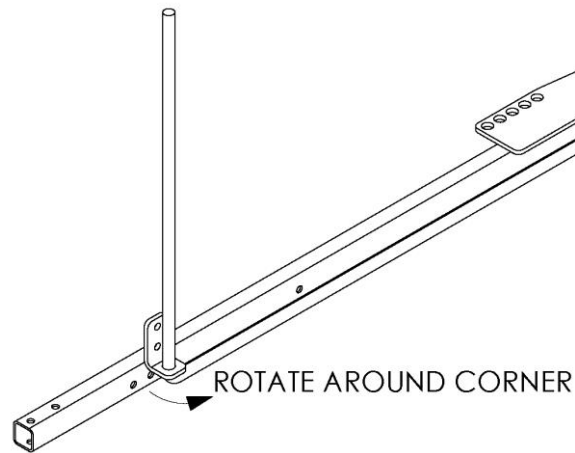
1. Slide the guide shut-off lever (28364-3) over the end of the shut-off lever as shown in Diagram #13.
2. Slide the guide all the way down the lever and rotate guide around corner as shown in Diagram #14. Now the two holes in the guide will align with the holes in the hitch tube.
3. Fasten the guide in place as shown in diagram #15 using the listed hardware & then tighten securely.

Diagram #13



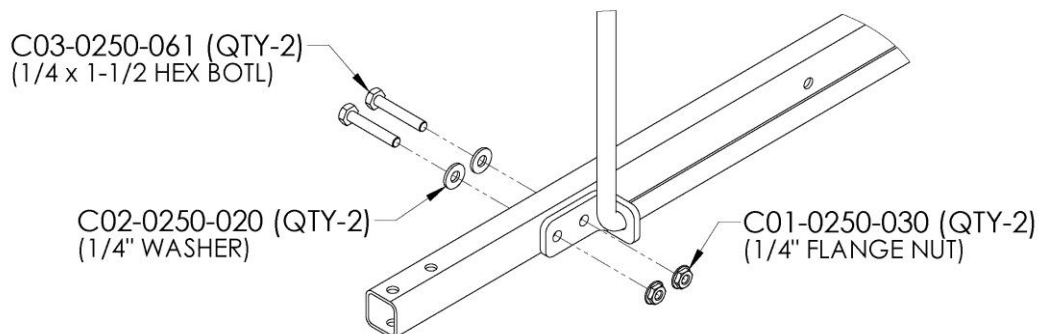
2836-T3

Diagram #14



2836-T3

Diagram #15



2836-T4

Step# 7 (Hitch to Hopper Assembly)

1. **Note:** Lay something down (piece of cardboard or blanket) to protect hopper from being scratched up. Lay hopper on its side so the cam gauge is up & pivot the spread plate down out of the way as shown in Diagram #16.
2. Remove the 5/16" flange nut from the stud above and to the right of the cam gauge as shown in Diagram #16.
3. Attach the hitch tube with shut-off lever in place to the 5/16" stud & re-use the 5/16" flange nut. Make sure the end of the shut-off lever goes into the U-notch as shown in Diagram #17.
Do not tighten, leave nut loose.

Diagram #16

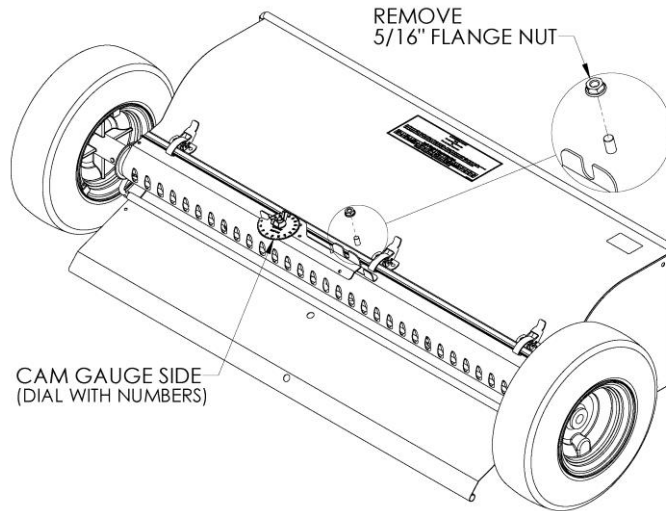
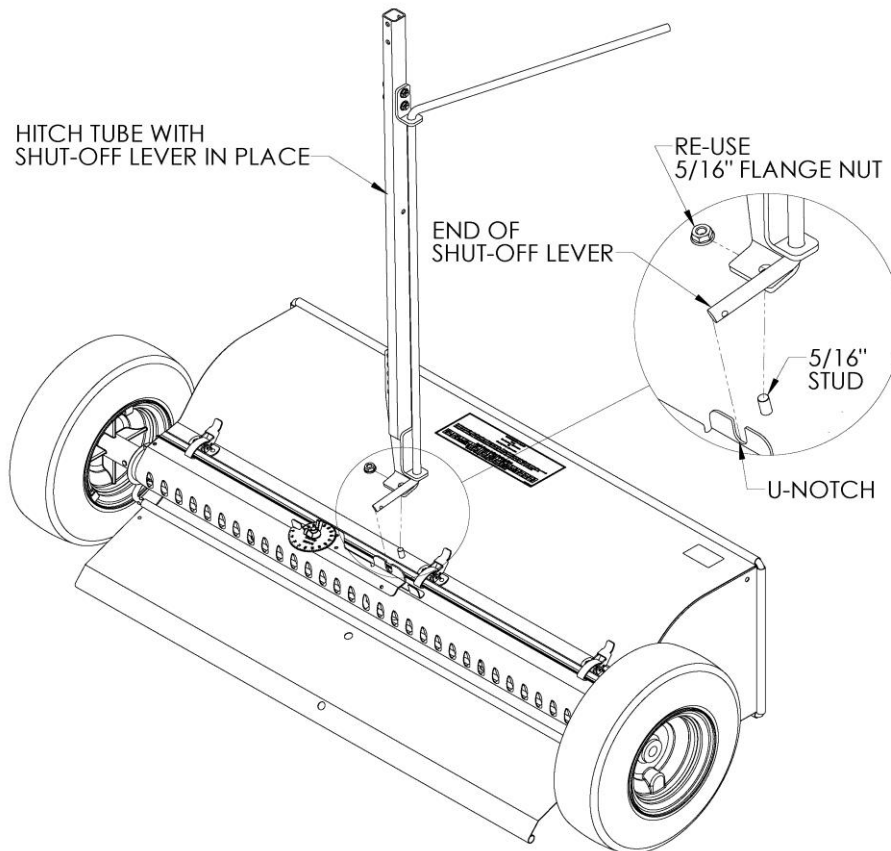


Diagram #17

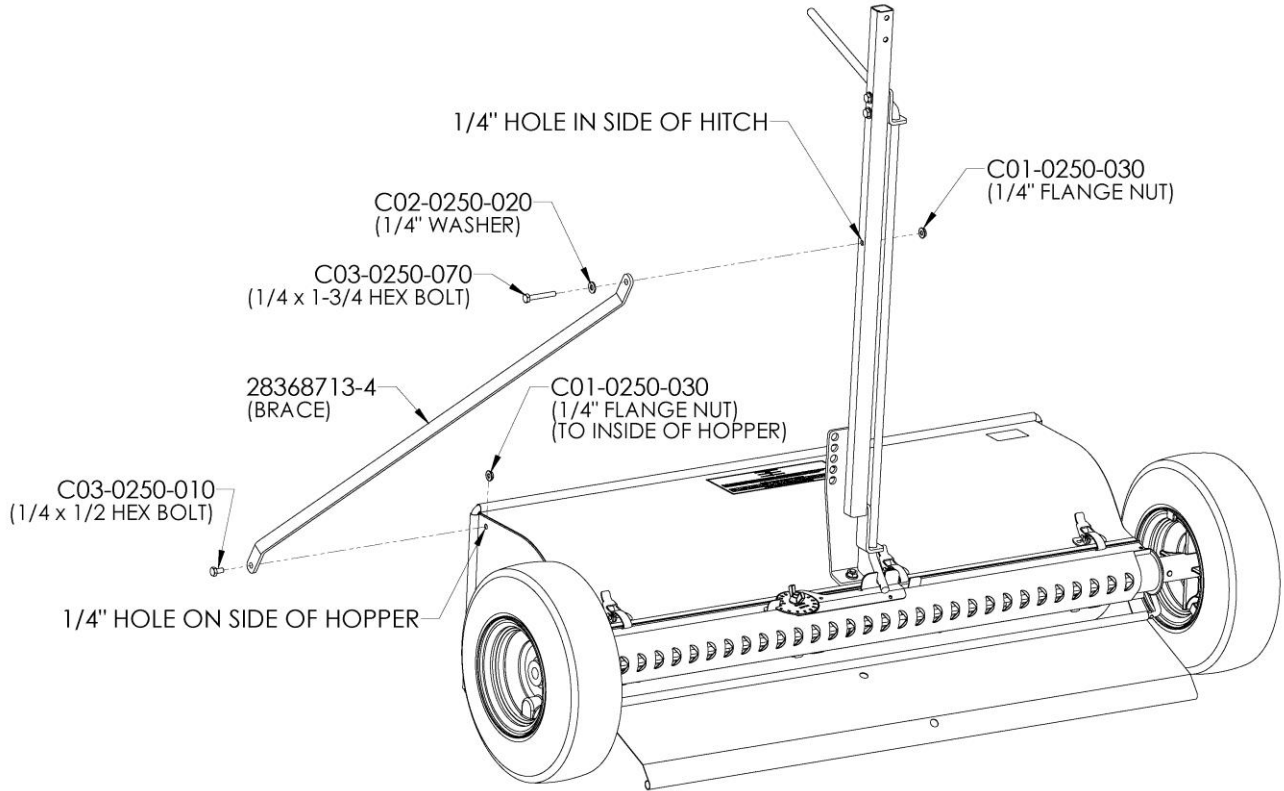


2836-T5

Step #9 (Left Brace to Hitch Assembly)

1. Locate the TWO braces (28368713-4), TWO 1/4 x 1/2 hex bolts (C03-0250-010), ONE 1/4 x 1-3/4 hex bolt (C03-0250-070), THREE 1/4" flange nuts (C01-0250-030) and ONE 1/4" washer (C02-0250-020).
2. Attach one end of the brace to the 1/4" hole in the side of the hopper as shown in Diagram #17 using a 1/4 x 1/2 hex bolt and 1/4" flange nut as shown. Do not tighten bolt.
3. Attach the other end of the brace to the 1/4" hole in the side of the hitch tube using a 1/4" washer, 1/4 x 1-3/4 hex bolt and 1/4" flange nut as shown in diagram #18. Do not tighten, leave loose.

Diagram #18

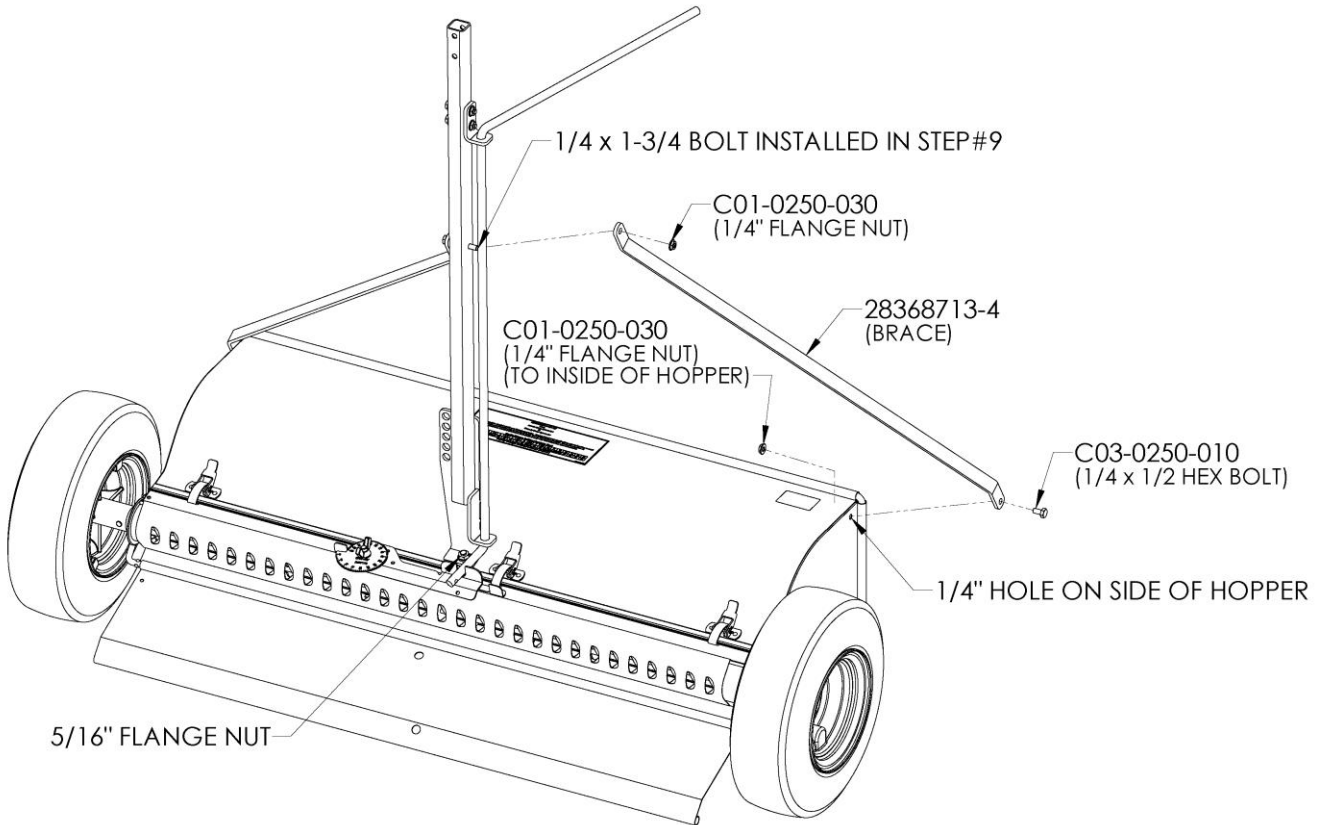


2836-T6

Step #10 (Right Brace to Hitch Assembly)

1. Attach the second brace (28368713-4) to the 1/4" hole on the right side of the hopper using the 1/4 x 1/2 hex bolt and 1/4" flange nut. Do not tighten bolt.
2. Remove the 1/4" flange nut from the 1/4 x 1-3/4 bolt holding the left brace in place to the hitch tube.
3. Attach the other end of brace to the 1/4 x 1-3/4 bolt and re-install the 1/4" flange nut.
4. Next securely tighten the three 1/4" bolts holding the braces in place.
5. Now securely tighten the 5/16" flange nut holding the hitch tube to the hopper.

Diagram #19

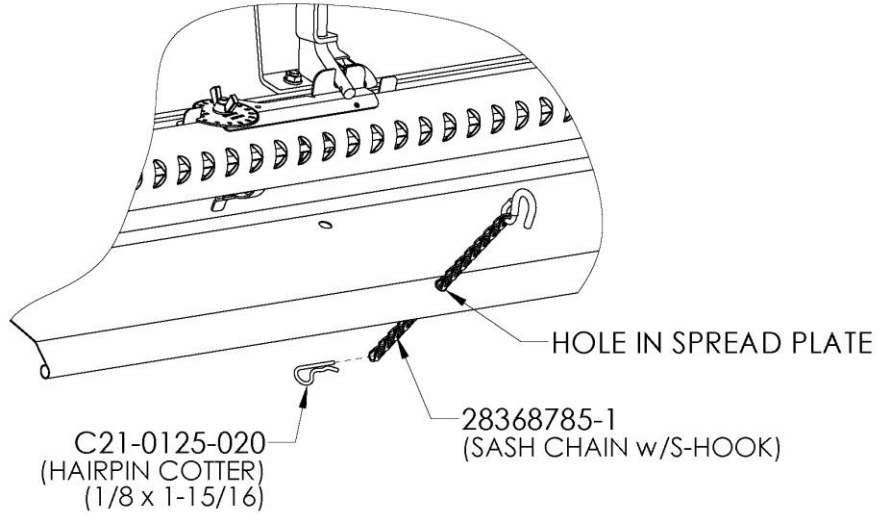


2836-T6

Step #11 (Sash Chain to Spread Plate Assembly)

1. Locate Sash Chain (28368785-1) and the small hairpin cotter 1/8 x 1-15/16 (C21-0125-020).
2. Insert sash chain into hole in spread plate as shown in Diagram #20
3. Connect the small hairpin cotter to the bottom most link on the sash chain.
4. Pull sash chain up so the hairpin cotter contacts the spread plate.

Diagram #20



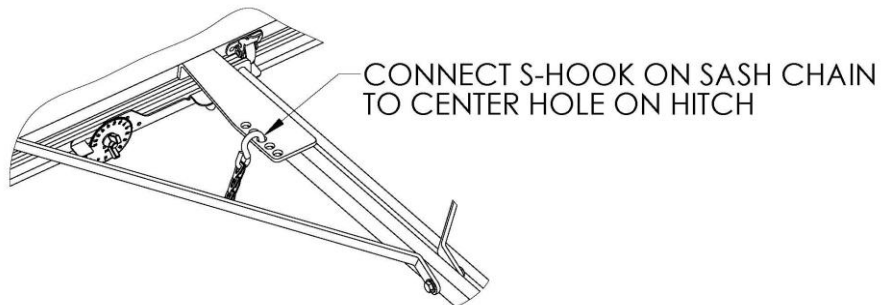
2836-T7

Step #12 (Connect Sash Chain to Handle)

Turn spreader upright so it sits up on its wheels.

Pivot spread plate towards the hitch, then connect the S-Hook on the sash chain to the center hole on the hitch plate as shown in Diagram #21.

Diagram #21



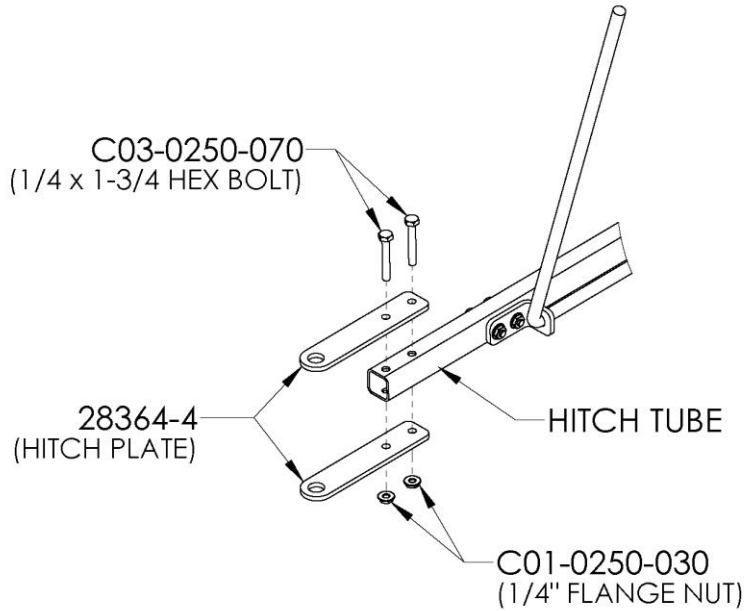
2836-T7

Step #13 (Hitch Plate Assembly)

Locate the TWO Hitch Plates (28364-4), TWO 1/4 x 1-3/4 hex bolts (C03-00250-070) and TWO 1/4" flange nuts (C01-0250-030).

Attach the hitch plates to the two holes in the hitch tube using the listed hardware as shown in Diagram #22. Tighten hardware securely.

Diagram #22



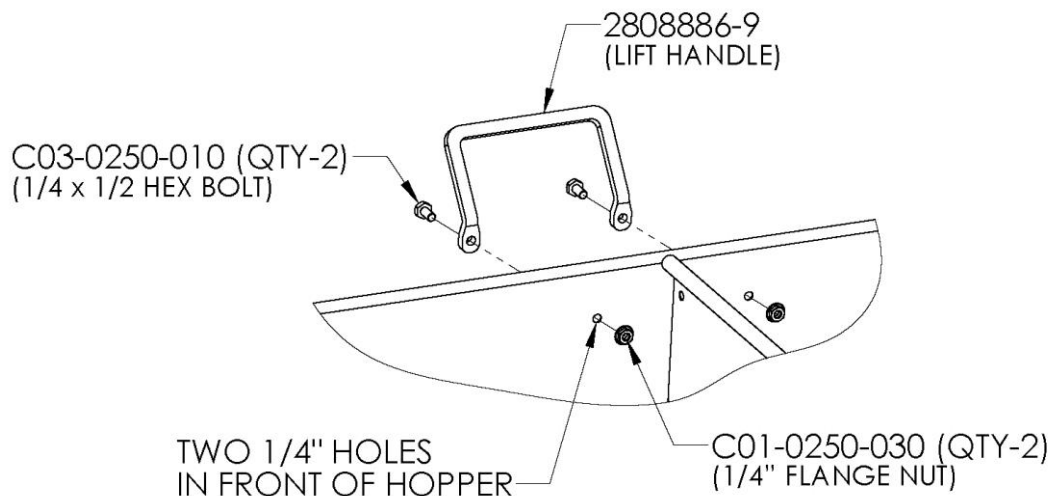
2836-T8

Step #14 (Lift Handle Assembly)

Locate Lift Handle (2808886-9), TWO 1/4 x 1/2 hex bolts (C03-0250-010) and TWO 1/4" flange nuts (C01-0250-030).

Attach Lift Handle to the two 1/4" hole in the front of the hopper as shown in Diagram #23 using the listed hardware and tighten hardware securely.

Diagram #23



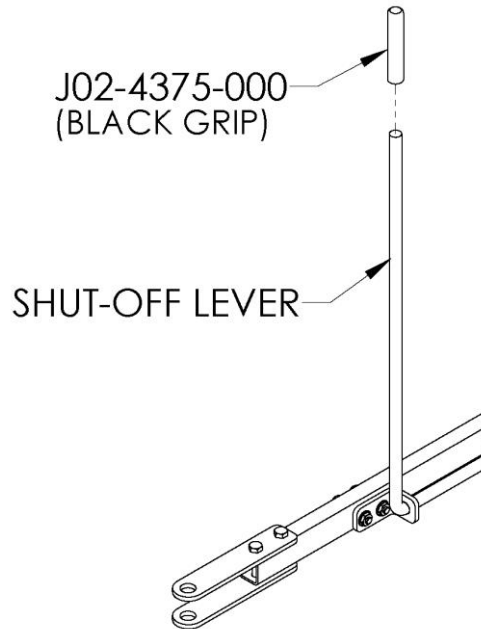
2836-A11

Step #15 (Grip Assembly)

Locate the black grip (J01-4375-000).

Push this grip onto the end of the Shut-Off Lever as shown in Diagram #24.

Diagram #24

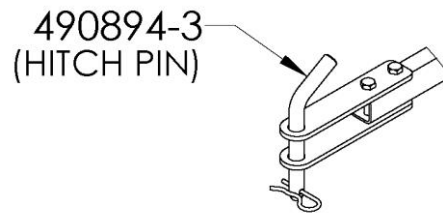


2836-T9

Step #16 (Hitch Pin)

Use supplied hitch pin & clip (490894-3) to connect to implement.

Diagram #25



2836-T9

17. Spread Plate Adjustment:

As shown in Step #12 Diagram #21, connecting the spread plate chain to the center hole on the hitch is a good starting point for most material being applied to produce a "Sheet-Like" flow coming off the spread plate.

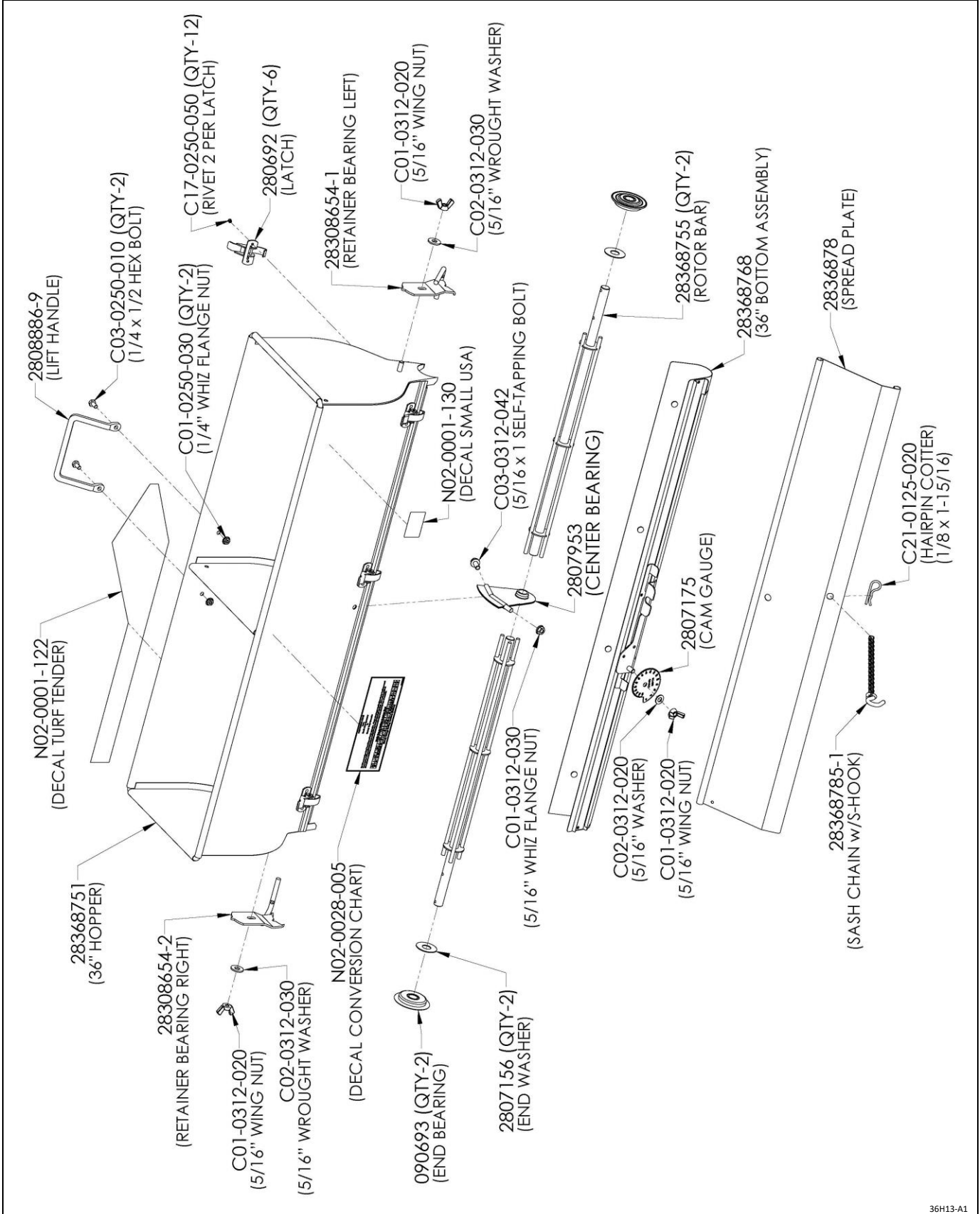
Depending on your application rate and weight of the product being applied you may need to adjust the angle up or down so the material flows freely off the spread plate.

If application without spread plate is desired, lift spreader up and swing spread plate to the lift handle side of the spreader and hook the s-hook on the sash chain over the lip on the spreader.

See operator's manual for more information.

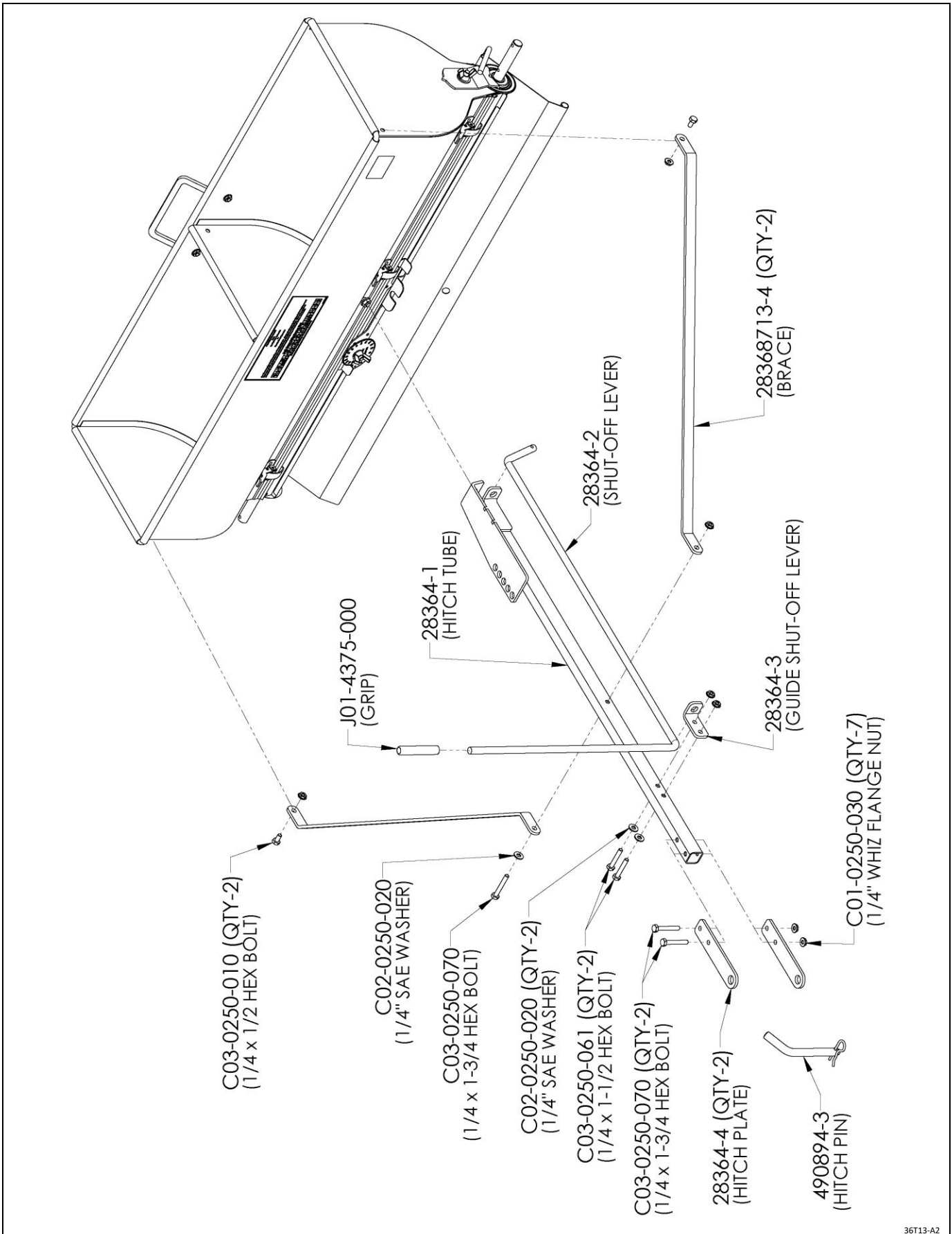
18. Please read Operators Manual for overview of proper use, maintenance & cleaning of spreader.

36" Spreader Parts Breakdown:



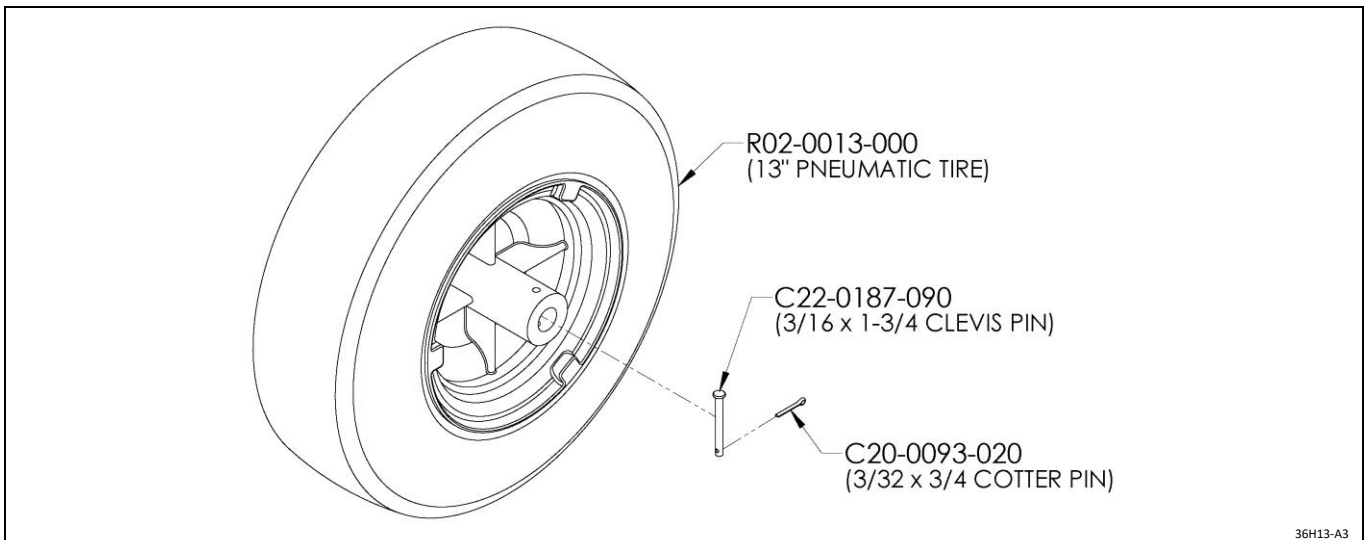
36H13-A1

36" Tow Hitch Parts Breakdown:



36T13-A2

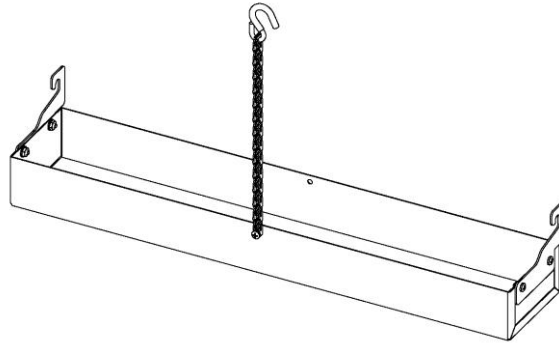
13" Pneumatic Tire & Mount Hardware:



Optional Equipment Listed Below: (NOT Part of spreader Package)

Calibration Pan & Mounting Hardware: Package #28368584

Calibration pan hangs under the spreader to catch material to double check application rates.



Jiggler Package: Package #J36

Use Jigglers on bridging material.

When installed Jigglers contact the rotor bar and move up and down to help maintain an even material flow.

