

















Meter Up Hardware

Ladder 1A	 2 ½" x 2½" Hex Bolts	 2 ½" Serrated Flange Nuts		
Attaching meter mounting plate to air seeder frame 1B	 4 ½" x 1¼" Hex Bolts	 4 ½" Flat Washers	 4 ½" Serrated Flange Nuts	
Attaching meter to mounting plate 2A	 5 ½" Serrated Flange Nuts	 1 Regular ½" Nut		
Attaching plenum assembly to meter housing 5A	 6 ¾" x 1¼" Carriage Bolts	 30 ¾" Flat Washers	 6 ½" Flat Washers	 6 ¾" Serrated Flange Nuts
Installing meter drive shaft 8A	 10 Nylon Washers (use as needed)	 1 Large Roll Pin (may not be needed)		

Latch Hardware Kit
















Installing latches 6A	 2 Latches	 4 #8 x ½" Machine Screws	 4 #8 Nyloc Nuts
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Single Shoot – Below Meter Kit

Plenum side plates 3A	 8 #10 x ¾" Machine Screw				
Cleanout Door 7A	 2 ½" x 1" Hex Head Bolts	 2 ¼" Nyloc Nuts	 12 ¼" Flat Washers	 1 ¾" x 1" Hex Head Bolt	 1 ¾" Serrated Flange Nut

Shoot Hardware

These instructions are written for an 8 Run Single Shoot unit; however, we have included hardware for both 6 Run and 4 Run units as well. Once you have determined the number of runs your unit has use, the corresponding hardware kit and adjust your installation according to the hardware quantity. For additional help, please visit our website, airseederparts.com and see the installation instructions video.

4A 8 Single Shoot - 8 Run	4A 6 Single Shoot - 6 Run	4A 4 Single Shoot - 4 Run
 <p>32 ¼" x 4" Carriage Bolts</p>	 <p>24 ¼" x 4" Carriage Bolts</p>	 <p>16 ¼" x 4" Carriage Bolts</p>
 <p>32 ¼" Flat Washers</p>	 <p>24 ¼" Flat Washers</p>	 <p>16 ¼" Flat Washers</p>
 <p>34 ¼" Serrated Flange Nuts</p>	 <p>32 ¼" Serrated Flange Nuts</p>	 <p>32 ¼" Serrated Flange Nuts</p>
 <p>2 ¼" x 5/8" Carriage Bolts</p>	 <p>8 ¼" x 5/8" Carriage Bolts</p>	 <p>16 ¼" x 5/8" Carriage Bolts</p>
 <p>16 #14 x ¾" Hex Screws</p>	 <p>12 #14 x ¾" Hex Screws</p>	 <p>8 #14 x ¾" Hex Screws</p>

8 RUN SINGLE SHOOT

INSTALLATION GUIDE



SUPPLIES YOU WILL NEED FOR THE INSTALLATION:

punches • pry bar • floor jack • 3' long 4" x 4" • wood blocks • never-seize • silicone • JD foam gaskets

STEP 1

Parts you will need:

- 1 – tank transition
- 1 – mounting plate
- 1 – foam gasket from John Deere (part #A70517)
- 1 – ladder kit (1A)
- 1 – meter mounting plate to air seeder frame kit (1B)
- never-seize

1A

Insert tank transition into tank and suspend by (2) ladder bolts and nuts. Refer to 1A

1B

Insert the JD foam gasket above flange nut, then place mounting plate and secure with the never-seize coated (4) bolts and (4) flange nuts. Refer to 1B

STEP 2

Parts you will need:

- 1 – slide gate plate
- 8 – slide gate doors
- 8 – slide gate handles with hardware included
- 1 – meter to mounting plate kit (2A)
- meter housing
- silicone
- never-seize

Make sure the agitators in your meter are centered in the opening.

Apply 1/8" bead of silicone around top outside edge of the plastic slide gate plate. **CAUTION: Keep the slide gate track free from silicone. See image for example.**

Place the (8) doors on the plastic slide gate plate.

Push up onto the 6 studs and make sure slide gate doors are in place.

2A

Apply 1/8" bead of silicone to the top of the meter. Lift meter up into place and secure with the (5) never-seize coated serrated flange nuts on all four corners, and rear center. The front center takes the never-seize coated regular nut.

Refer to 2A

Now tighten all nuts from step 1 and 2.

Test slide gates for smooth operation. If not moving smoothly, check for silicone in the tracks and clean/remove.

One at a time, coat the nut end of the handle with never-seize and insert each handle through the mounting plate; place spring onto handle, push handle through hole in slide gate and place nut on the handle. The nut should be flush with the end of the handle; **do not over-tighten.**

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STEP 3

Parts you will need:

- 1 – single shoot plate
- 1 – cleanout door
- 1 – plenum slide plate kit (3A)
- 2 – plenum slide plates
- Filler piece for specified runs

Remove existing bolts from plastic plenum set on cart. If using the old plastic plenum set, contact Air Seeder Parts, LLC for tips on bolt removal.

Once the plastic is taken apart, clean up each piece to remove any rust or caked on material.

First, line up flat gasket against bottom of single shoot for correct placement. Then peel and stick the first flat gasket under bottom of single shoot plate.

3A

Install plenum side plates by using the screws. Refer to 3A

STEP 4

Parts you will need:

- single shoot run 4, 6, or 8 (4A)
- 4 – bag hanger
- never-seize

Align plastic plenum with notch facing rear.

4A

Determine Run Quantity (8, 6, or 4)

Using the never-seize coated carriage bolts (4"), start assembling the plastic plenum to the single shoot plate and secure with the serrated flange nuts and washers. Look at quantity for the number of runs.

The bag hanger should also be attached at this time to the four outside corners. Order of placement is bolt, bag hanger, washer, nut.

Install filler piece with the never-seize coated 5/8" carriage bolts and flange nuts.

STEP 5

Parts you will need:

- 1 – plenum assembly to meter housing kit (5A)

Line up against top of single shoot plate. Peel and stick second flat gasket to top of single shoot plate.

5A

Install this section to base of meter using the never-seize coated carriage bolts – put carriage bolt from bottom up with (1) 1/2" washer and (3-4) 3/8" washers between this plate and base of meter.

Washers are critical to make sure correct gap between plate and housing is accurate.

Now fasten using flange nut.

To guarantee proper fit/spacing: Insert meter roller to assure smooth operation.. If meter roller sticks or is hard to insert, please check our YouTube channel for further instructions.

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STEP 6

<p>Parts you will need:</p> <p>1 – latches kit (6A)</p>	<p>6A Install latch to sides of single shoot plate by using the #8 x ½" machine screw + Nyloc nut.</p>
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STEP 7

<p>Parts you will need:</p> <p>single shoot run 4, 6, or 8 (4A) air flow sticker 1 – latches kit (6A) 1 – cleanout door kit (7A)</p>	<p>6A Install previously removed plastic filler for cleanout door with hex screws.</p> <p>7A Use hex head bolts with Nyloc nuts to attach the cleanout door on one end and latches on the other end. You will need to use washers and adjust the latch to ensure the cleanout door is level. (6 hex head bolts/washers)</p> <p>Attach Nyloc nut to bottom side.</p> <p>Use hex head bolt through bottom of opposite side of cleanout door. With bolt head facing the ground, attach one flange nut to top of plate.</p> <p>Apply the air flow sticker to cleanout door as provided; the arrow should be pointing away from the fan. Install cleanout door and adjust latch for proper operation.</p>
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STEP 8

<p>Parts you will need:</p> <p>1 – meter drive shaft kit (8A)</p>	<p>8A To replace mild spacer between sprocket and meter housing, use (8-10) nylon washers; shim for proper sprocket alignment.</p>
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