

Row Unit Conversion Instructions

for:

planter models:JD17XX CCS Pro-Series (Mini-Hoppers)

to convert from **Existing Springs:**.....JD HD Adj. Center Springs

to **Resulting Forces Controlled:**.....Down Only

with **Conversion Kits:**.....726200

Existing Springs



This conversion process applies to planters with **Regular** or **Long** parallel arms and **Chain** or **Pro Shaft** Driven meters. The examples shown below are diagrams for a planter with long parallel arms that is Pro Shaft driven; some components shown here may not apply to your particular planter. Special notes will be made throughout the following instructions to encompass individual model needs. Images illustrating the completed conversion of these are located at the end of this instruction.

Conversion Kit Components

726200	Part Number	Part Name	Description
1	726001	Support	Down Force Spring Support
1	726100	Spring	Down Air Bag
1	726188	Support	Air Spring Support
1	726351		** Hardware Pack

Quantities are given per row

Hardware Pack Components

726351	PART NUMBER	PART NAME	DESCRIPTION
1	36266	Hex Jam Nut	3/4-16 Nut ZN CL
2	38671	Bolt	M10-1.5 x 130 ZN CL
1	38772	Bolt	M16-2.0 x 130 ZN CL
1	95209	Bolt	1/2-13 x 1.5 GRD 5 ZN Y
3	0128789	Bolt	M12-1.75 x 55 Class 10.9 ZN Y
2	0162348	Bolt	M10-1.5 x 55 ZN Y
1	0162361	Bolt	M16-2.0 x 60 ZN Y
2	726098	Bushing	1/2 - 1 x .92 Sleeve Bearing
1	726099	Bushing	1/2 - 7/8 x .92 Sleeve Bearing
1	726113	Male Tee	1/8 NPT x 1/4 PTC Tee
3	726205	Hex Nut	M12-1.75 Top Lock Nut ZN Y
1	726291	Hex Nut	M16-2.0 Top Lock Nut ZN Y
2	MN2600000 YZ0000	Hex Nut	M10-1.5 Nut ZN Y

Quantities are given per row

Note: 38671 & 38772 used ONLY with Long Parallel Arms

Recommended tools (not provided):

Open end wrenches: 3/8", 7/16", 3/4", 1-1/8", 16MM, 19MM, & 24MM

- or suitable crescent wrench(s)

Sockets (Deep well recommended): 16MM, 19MM, & 24MM

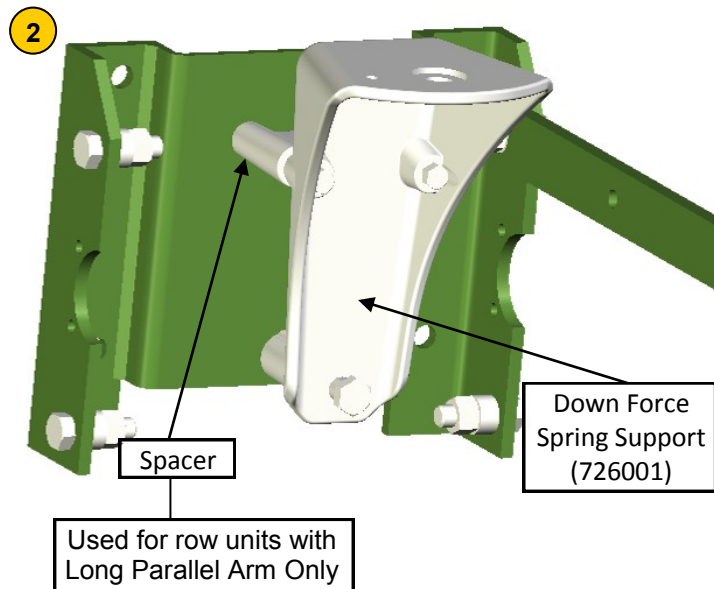
1. Begin installation by removing tension from the JD HD Adj. springs. Once the tension is removed, remove the spring assembly by removing the two M10 bolts (top) and one M16 bolt (bottom). This should release the spring assembly from the mounting support plate; set aside.



Note: For planters with **Long** parallel arms retain the spacer for use between the mounting support plate and Down Force assembly.

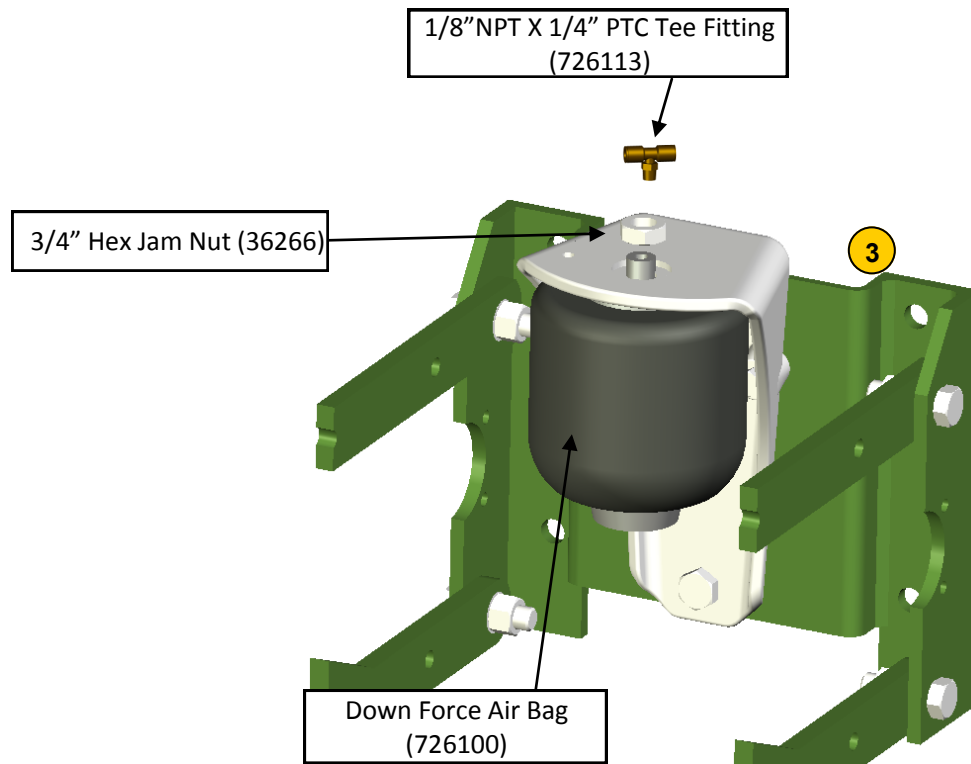
Units with long parallel arms may require the bolts to be cut/torched off in order to remove the existing M10 bolts. When installing the new bolts, install them from the rear for ease of future serviceability.

2. Install the Down Force Spring Support (726001) against the mounting support plate as shown. Replace the spacer (Long Parallel arms only) and re-install and tighten the M10 & M16 bolts.





Note: For Vacuum planters with **Long** parallel arms reinstall the vacuum blower manifold bracket in between the spacer and the mounting plate. For planters with **Regular** parallel arms, position bracket between Down Force Support and mounting plate. For non-vacuum planters, re-install the M10 spacer washers.

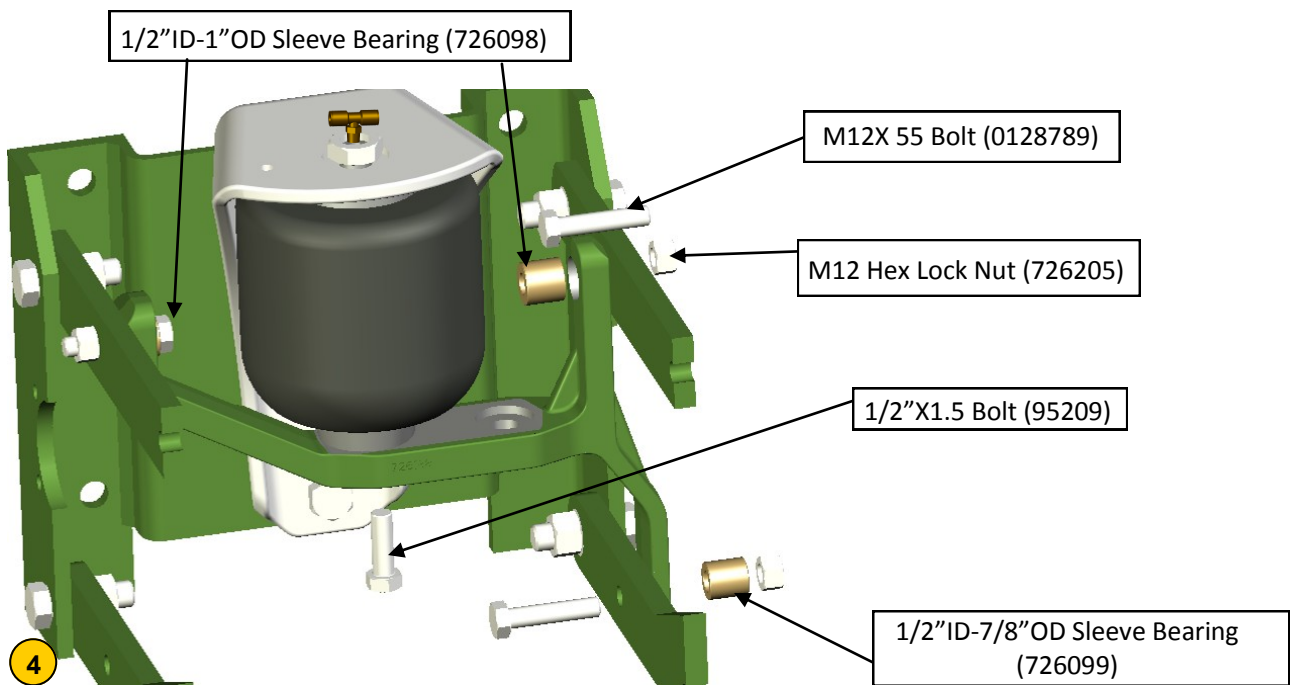


3. Align and place the Down Force Air Bag (#726100) as shown at right on the under side of the Down Force Support Bracket. Fix in place using 3/4" hex jam nut (36266). 3/4" hex nut should be tightened to 15lb-ft of torque.

4. Install the Air Spring Support (726188) as shown above. Manually compress the Down Air Bag and secure it using the 1/2"X1.5 Bolt (95209) through the Spring Support. 1/2" bolt should be tightened to 30 lb-ft of torque.

Fix the Spring Support to the parallel arms using three M12-1.75X55 Bolts (0128789), three M12 Hex Lock Nuts (726205), two 1/2"ID-1"OD Sleeve Bearings (726098) for use in the top parallel arms, and one 1/2"ID-7/8"OD Sleeve Bearing (726099) for use in the slotted opening of the Spring Support on the lower parallel arm.

See illustration on following page



5. To complete the conversion process, return the springs to their original positions. Check tightness of all bolts and nuts, and freedom of motion/clearance of all components

Completed row unit conversion image on following page.

Completed Row Unit Conversions

Row Unit Conversion
for kits: 726200
JD 17XX CCS w/ Pro-Series (Mini-Hoppers)
Single Pneumatic Down Spring

