

Row Unit Conversion Instructions

for:

planter models:JD17XX / 7200

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

to **Resulting Forces Controlled:**.....Down & Lift

with **Conversion Kits:**.....726005

726075

726190

726195

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 these instructions.

Conversion Kit Components

726005	726075	726190	726195	Part Number	Part Name	Description
1	1	1	1	726001	Support	Down Force Spring Support
1	1	1	1	726100	Spring	Down Air Bag
1	1	1	1	726101	Spring	Lift Air Bag
1		1		726137	Support	Lift Spring Support Reg. PA
	1		1	726179	Support	Lift Spring Support Long PA
1	1			726187	Support	Air Spring Support Chain
		1	1	726188	Support	Air Spring Support Pro-Shaft
1		1		726339		**Hardware Pack
	1		1	726349		** Hardware Pack

Quantities are given per row

Hardware Pack Components

726339	726349	PART NUMBER	PART NAME	DESCRIPTION
1	1	36214	Hex Jam Nut	5/8-11 Nut ZN CL
1	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
2		162348	Bolt	M10-1.5 x 55 ZN Y
1		162361	Bolt	M16-2.0 x 60 ZN Y
1	1	95054	Bolt	5/16-18 x .88 GRD 5 ZN Y
1	1	95209	Bolt	1/2-13 x 1.5 GRD 5 ZN Y
2	2	128789	Bolt	M12-1.75 x 55 Class 10.9 ZN Y
1	1	154005	Bolt	M12-1.75 x 50 Class 10.9 ZN CL
2	2	726098	Bushing	1/2 - 1 x .92 Sleeve Bearing
1	1	726099	Bushing	1/2 - 7/8 x .92 Sleeve Bearing
1	1	726106	Male Fitting	1/8 NPT x 1/4 PTC Straight
1	1	726113	Male Tee	1/8 NPT x 1/4 PTC Tee
1	1	726115	Tee	1/4 PTC Tee
1	1	726178	Insert	Lift Spring Mount Insert
3	3	726205	Hex Nut	M12-1.75 Top Lock Nut ZN Y
1	1	726291	Hex Nut	M16-2.0 Top Lock Nut ZN Y
1	1	726386	Note	Hardware Kit Note
2	2	MN260000 0 YZ0000	Hex Nut	M10-1.5 Nut ZN Y

Quantities are given per row

Recommended tools (not provided):

Open end wrenches: 3/8", 7/16" 1/2", 3/4", 15/16", 1-1/8", 10MM, 16MM, 19MM, & 24MM
- or suitable crescent wrench (s)

Sockets (Deep well recommended): 1/2" 3/4", 10MM, 16MM, 19MM, & 24MM

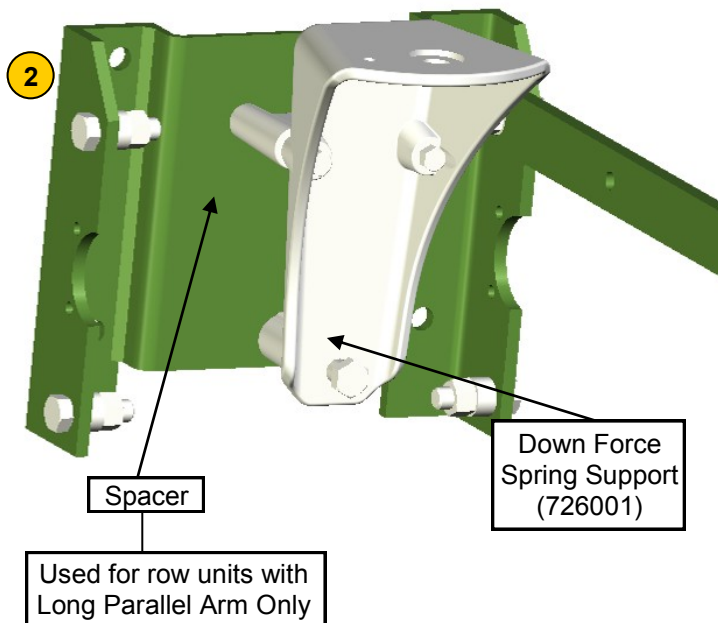


1. Begin installation by removing tension from the JD HD Adj. springs. Once the tension is removed, remove the spring assembly by removing the two M10 bolts (top) and one M16 bolt (bottom). This should release the spring assembly from the mounting support plate. Set aside.



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

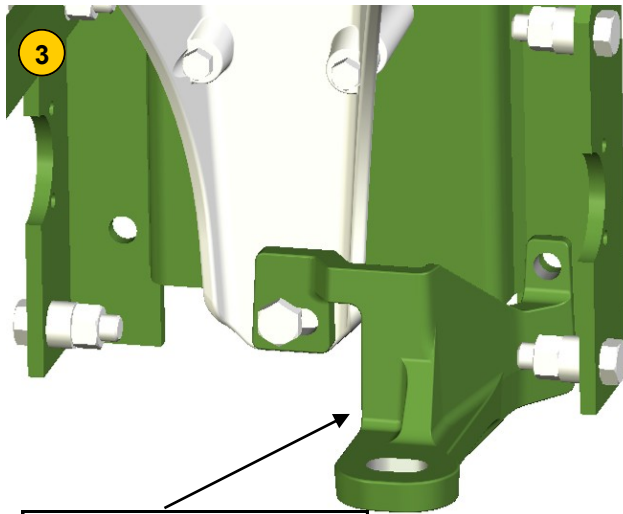
Units with long parallel arms may require the bolts to be cut/torched off in order to remove the existing M10 bolts. When installing the new bolts, install them from the rear for ease of future serviceability.



2. Install the Down Force Spring Support (726001) against the mounting support plate as shown. Install only the top two M10 Bolts at this time.



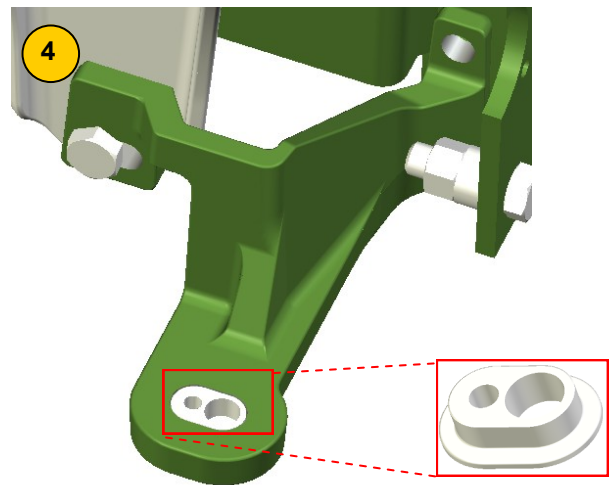
Note: For Vacuum planters with **Long** parallel arms, reinstall the vacuum blower manifold bracket in between the spacer and the mounting plate. For planters with **Regular** parallel arms, position bracket between Down Force Support and mounting plate. For non-vacuum planters, re-install M10 spacer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



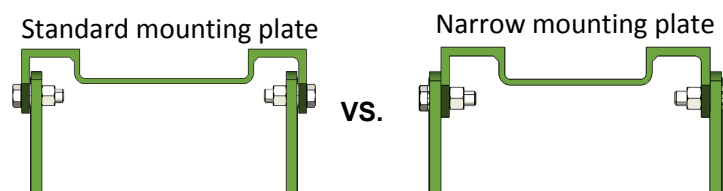
Lift Spring Support Bracket
(726179 shown)

3. Install the Lift Spring Support Bracket (part # 72137 for Reg. PA, #726179 for Long PA): Remove the lower right nut on the frame U-bolt. Position the Lift Spring Support on the U-Bolt and align the left side of the support with the bottom hole of the Down Force Support (Note: some situations may require loosening of the whole U-bolt). Affix the components using the M16 bolt and lock nut and tighten. Replace the frame U-bolt nut and tighten.

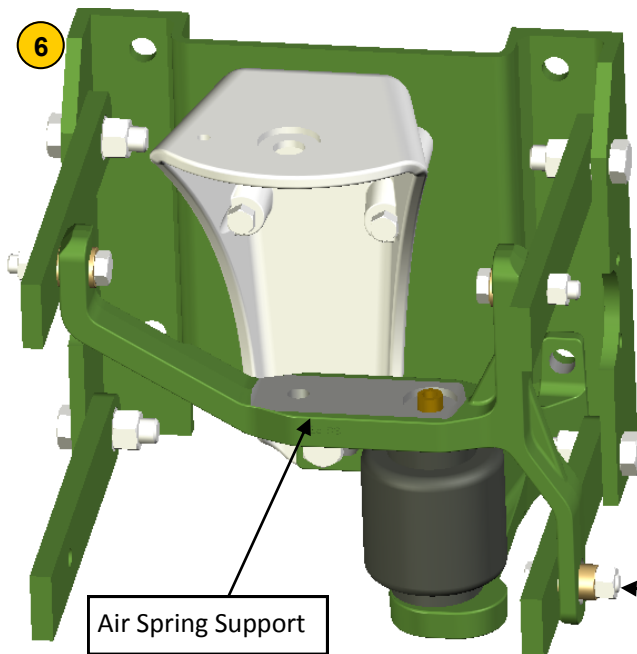
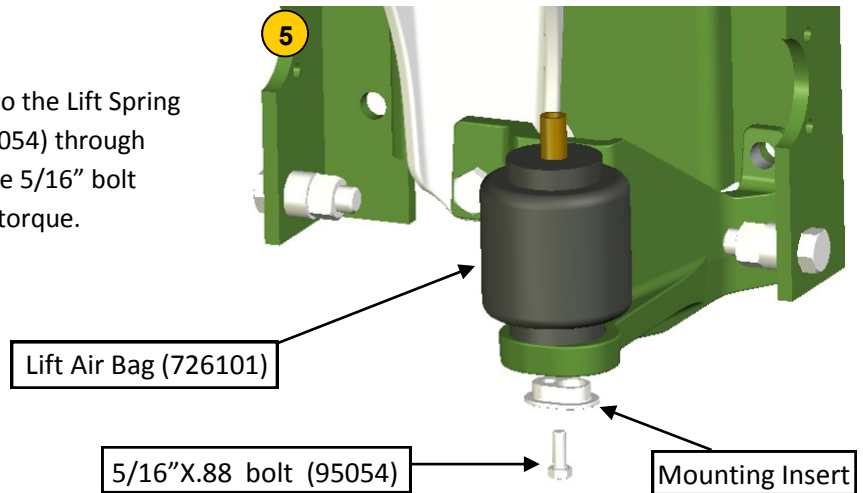
4. Place the Air Spring Mounting Insert (726178) into the bottom side of the Lift Spring Support. Orient the Insert with the larger hole towards the right-hand (outside) of the row unit.



Exception: For planters with narrow mounting plates reverse this orientation. Narrow mounting plates are discerned by location of the parallel arms (long or short) to the **outside** of the mounting plate. See below.



5. Place the Lift Air Bag (726101) onto the Lift Spring Support using the 5/16"X.88 bolt (95054) through the underside of the Lift Support. The 5/16" bolt should be tightened to 50-60lb-in of torque.



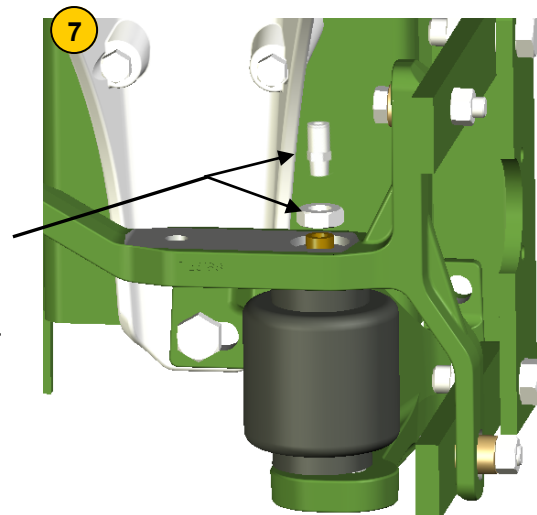
6. Install the Air Spring Support (726187 for Chain driven, 726188 for Pro Shaft driven). This will require the use of two M12X55 bolts (0128789), one Clear Zinc coated M12X50 (0154005), two 1/2" ID X 1" OD sleeve bearings (726098), one 1/2" ID X 7/8" OD sleeve bearing (726099) - to be installed in the slotted opening on the Spring Support, and three M12-1.75 lock nuts (726205). The Air Bag should be aligned vertically between the Spring Support and the Lift Support; if not, check orientation of the Mounting insert.

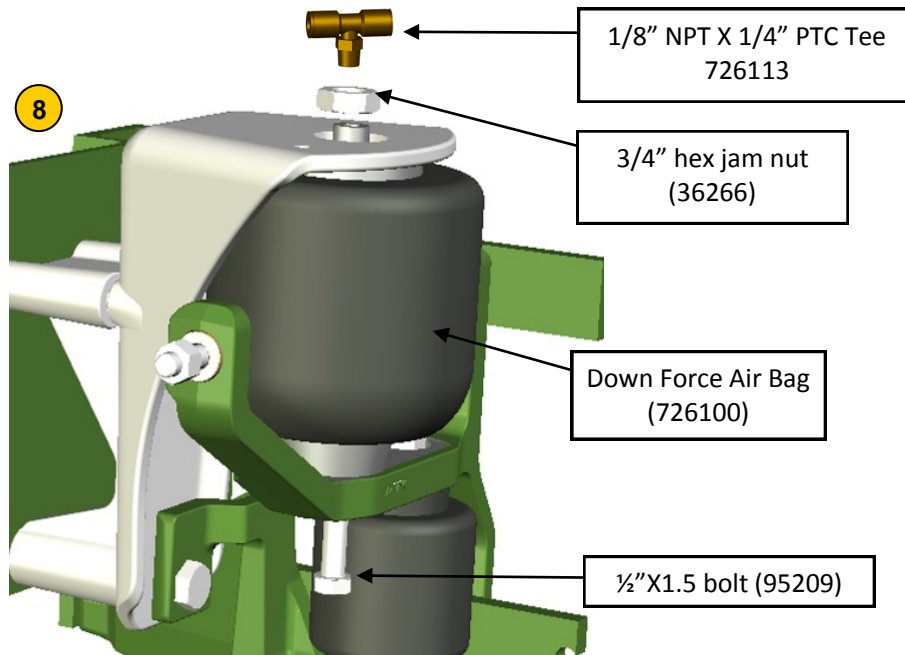


Caution: Install the lower right parallel arm bolt using the Clear Zinc coated M12X50 (0154005) bolt.

726188 for Pro Shaft Shown
See completed conversion on the last page for an example of 726187 for Chain driven meters installation

7. Affix the Air Bag in place using the 5/8 hex jam nut (36214) to the top side of the Air Bag Support bracket. The 5/8" nut should be tightened to 10-12lb-ft of torque. Install the 1/8NPTX1/4PTC Straight (726106) into the top of the Lift Air B. Torque to hand tight +1 Turn.

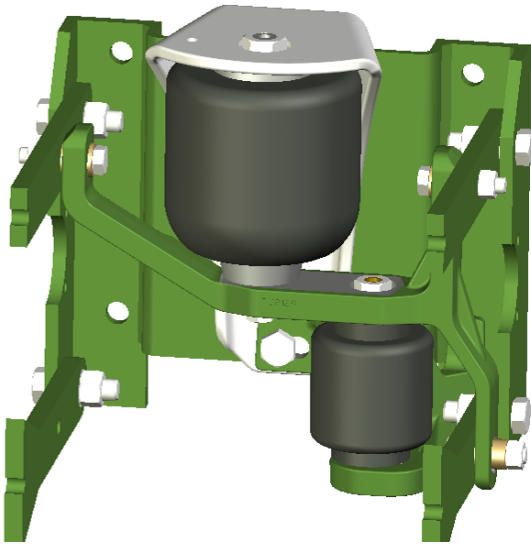




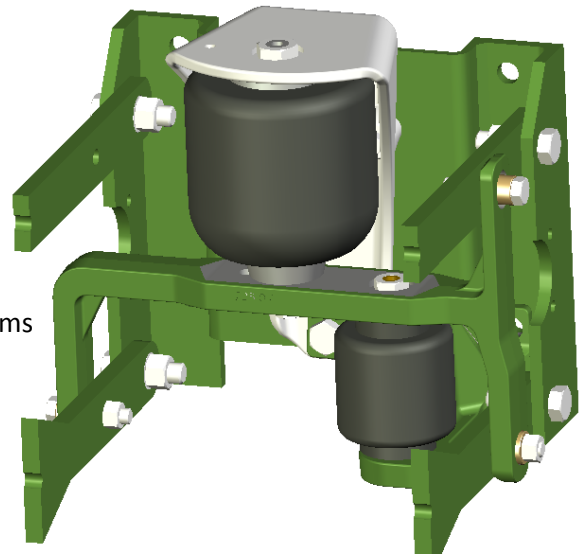
8. Manually compress the Down Force Air Bag (726100) and position it between the Down Force Spring Support and the Air Spring Support. Align the Down Force Bag as shown then fix in place using the 3/4" hex jam nut (36266) on top of the Down Force Support and inserting the 1/2" X 1.5 bolt (95209) through the Air Spring Support to the base of the Air Bag. 3/4" hex nut and 1/2" bolt should be tightened to 30lb-ft of torque. Finish by installing the 1/8"NPTX1/4"PTC Tee (726113) into the top of the Down Air Bag. Torque to hand-tight + 1 turn.

9. Check tightness of all bolts and nuts, and freedom of motion/clearance of all components.

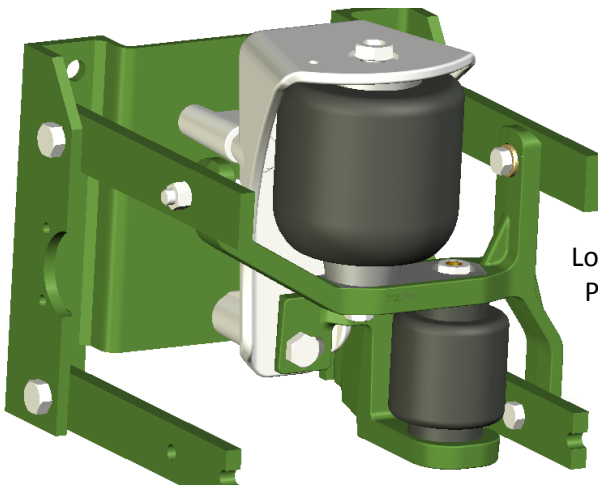
Completed Row Unit Conversions



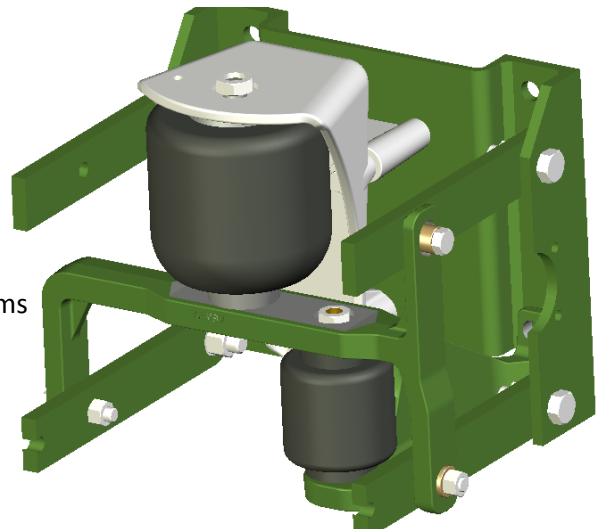
726190
Regular Parallel Arms
Pro Shaft Driven



726005
Regular Parallel Arms
Chain Driven



726195
Long Parallel Arms
Pro Shaft Driven



726075
Long Parallel Arms
Chain Driven