

Row Unit Conversion Instructions

for:

planter models:JD17XX / 7200

to convert from **Existing Springs:**.....JD Single Pneumatic Spring Assembly

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

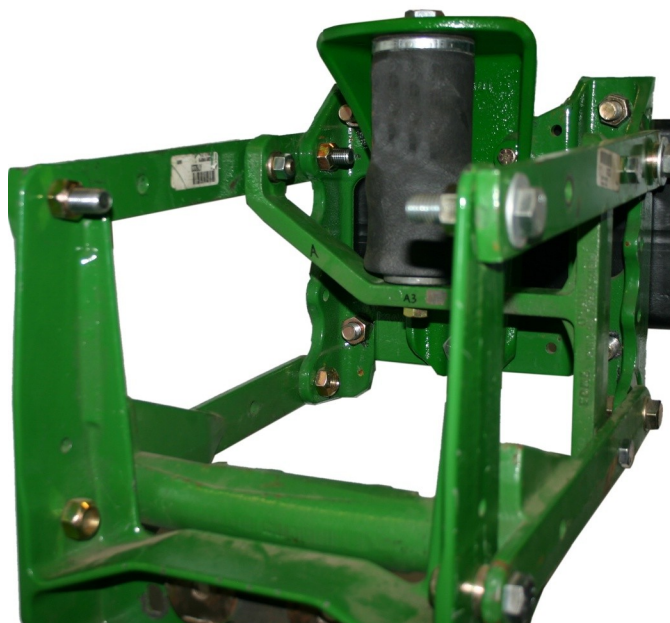
with **Conversion Kits:**.....726015

726020

726030

726035

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

726015	726020	726030	726035	Part Number	Part Name	Description
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			726342		**Hardware Pack
		1	1	726350		** Hardware Pack

Quantities are given per row

Hardware Pack Components

726342	726350	PART NUMBER	PART NAME	DESCRIPTION
1	1	36214	Hex Jam Nut	5/8-11 Nut ZN CL
	1	38772	Bolt	M16-2.0 x 130 ZN CL
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	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

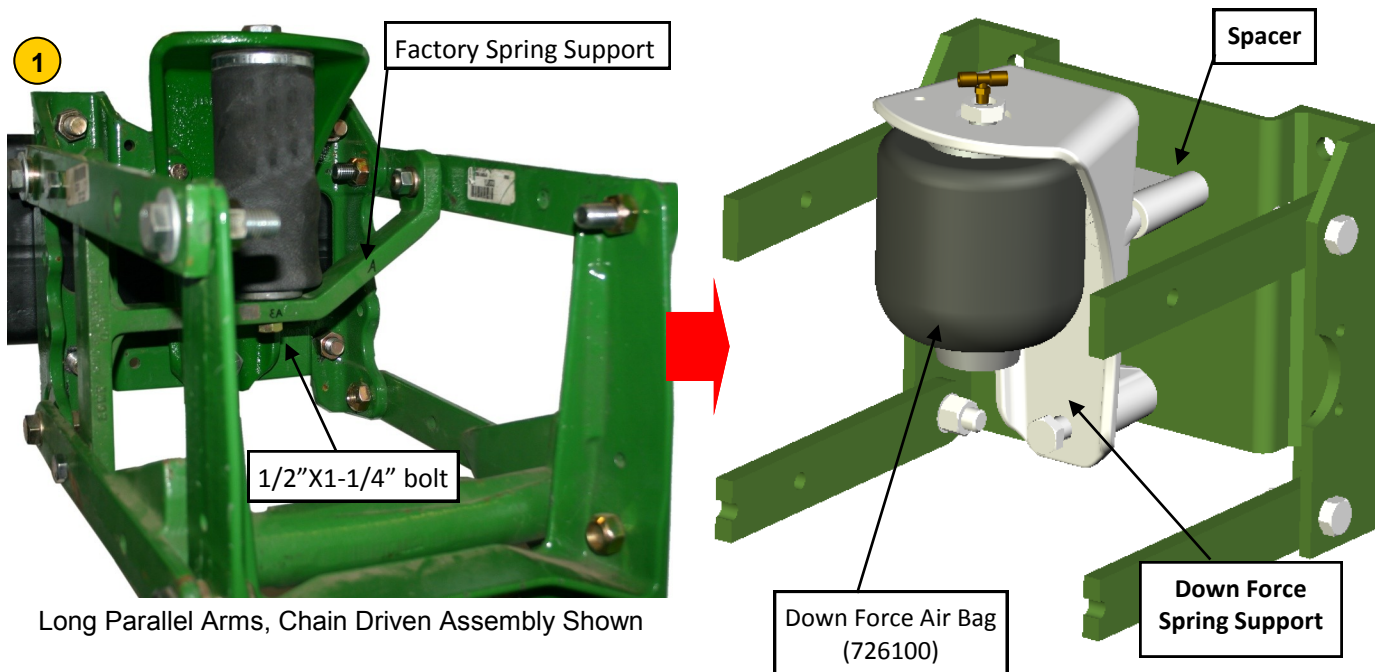
Quantities are given per row

Recommended tools (not provided):

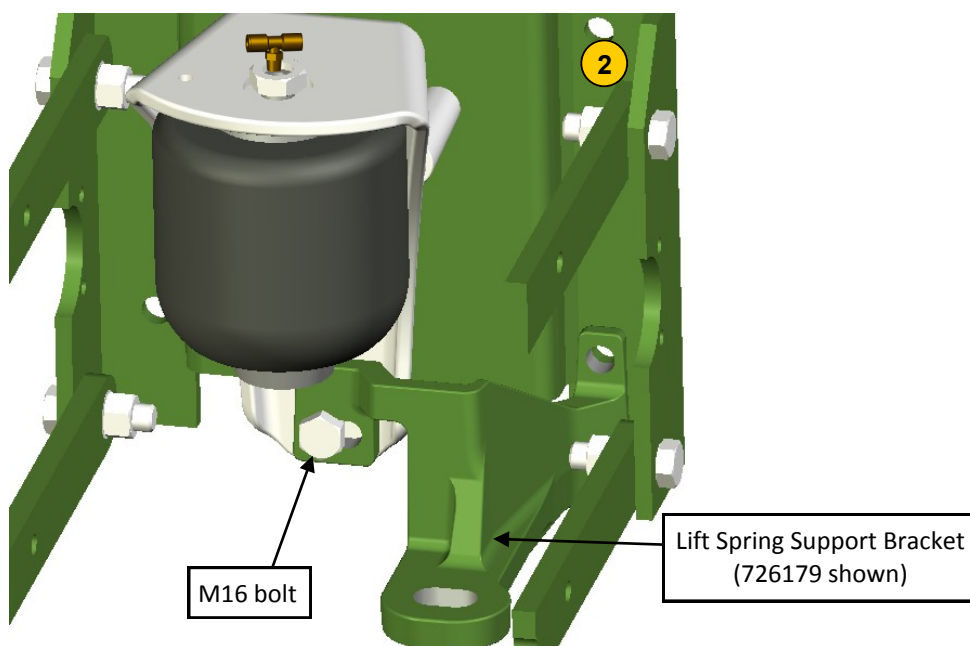
Open end wrenches: 3/8", 7/16" 1/2", 3/4", 15/16", 19MM, & 24MM

- or suitable crescent wrench (s)

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

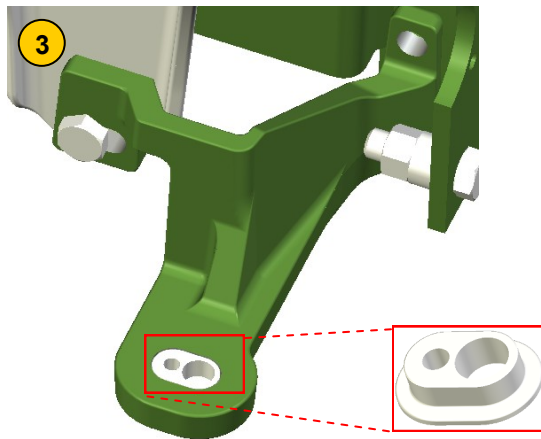


1. Begin the conversion process by removing the factory Spring Support. First remove the 1/2"X1-1/4" bolt from the underside of the support to release the Air Bag from the Spring Support. Loosen and remove the three M12X50 bolts holding the support to the parallel arms and remove it from the row unit.

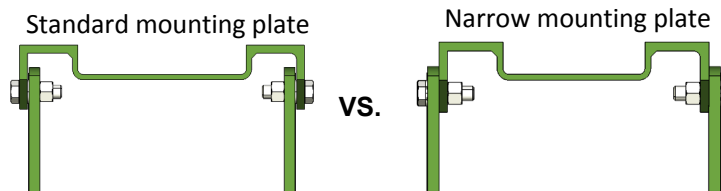


2. Install the Lift Spring Support Bracket (part # 72137 for Reg. PA, #726179 for Long PA): Remove the lower right nut on the frame U-bolt and the M16 bolt from the Down Force Spring Support. (Note: some situations may require loosening of the whole U-bolt) Position the Lift Spring Support on the U-Bolt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

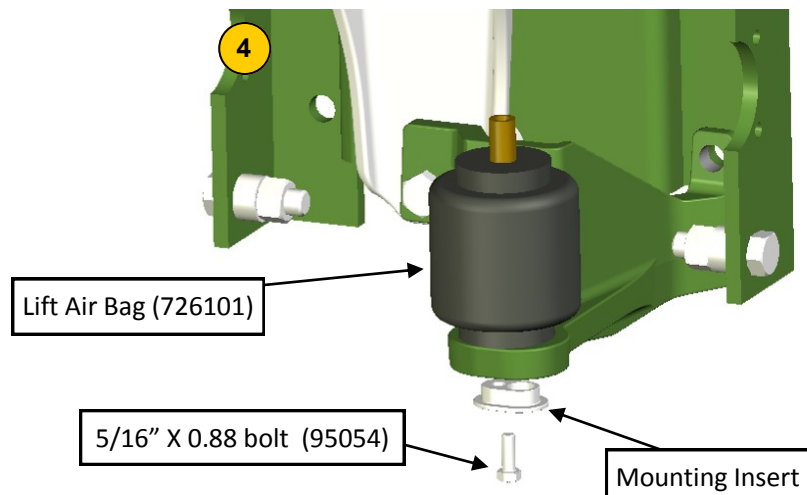
3. Place the Air Spring Mounting Insert (726178) into the bottom side of the Lift Spring Support. Orient the Insert with the larger hole towards the right-hand (outside) of the row unit.



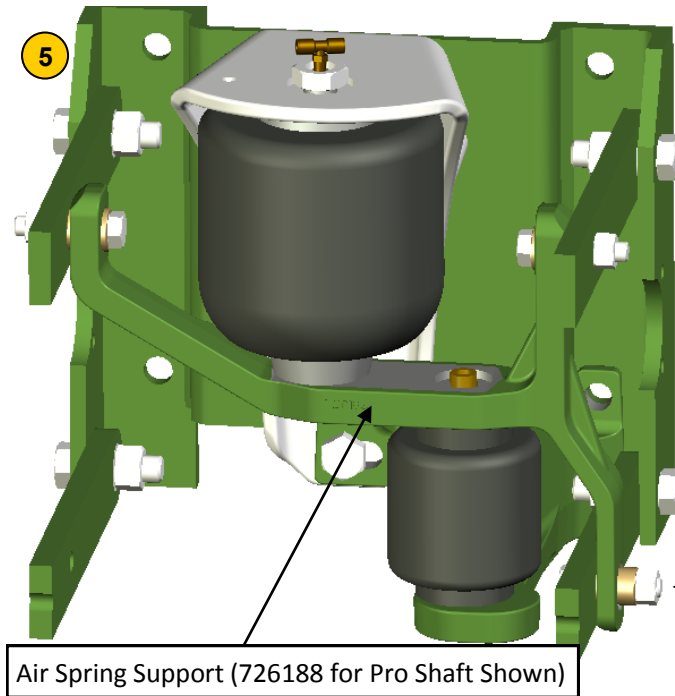
Exception: For planters with narrow mounting plates, reverse this orientation. Narrow mounting plates are discerned by the location of the parallel arms (long or short) to the **outside** of



4. Place the Lift Air Bag (726101) onto the Lift Spring Support using the 5/16"18X.88 bolt (95054) through the underside of the Lift Support. The 5/16" bolt should be tightened to 4-5lb-ft of torque.



5. Install the Air Spring Support (726187 for Chain driven, 726188 for Pro Shaft driven). Manually compress the Down Force Air Bag to enable fitting of the Spring Support. The Lift Air Bag should be aligned vertically between the Spring Support and the Lift Support; if not, check orientation of the Mounting insert.



Components:

- 1— M12X55 bolts (0128789)
- 1— Clear Zinc coated M12X50 (0154005)
- 2— ½" ID X 1" OD sleeve bearings (726098)
- 3— M12 lock nuts (726205)
- 1— ½" ID X 7/8" OD sleeve bearing (726099); to be installed in the slotted opening on the Spring Support,

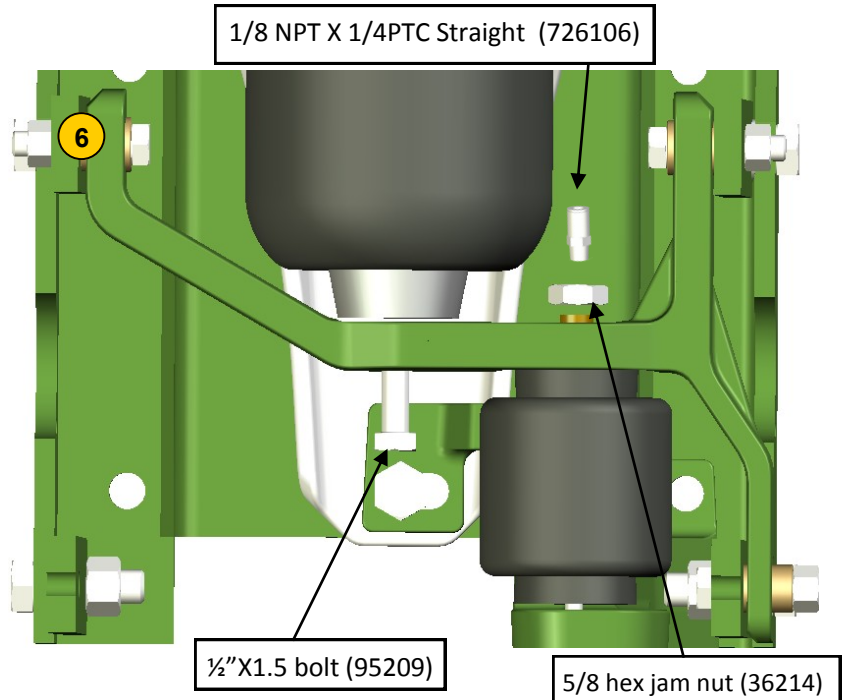


Caution: Install the lower right parallel arm bolt using the Clear Zinc coated M12X50 (0154005) bolt.

6. Affix the Lift Air Spring in place using the 5/8 hex jam nut (36214) to the top side of the Air Spring Support bracket. 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 ½"X1.5 bolt (95209) through the Air Spring Support to the base of the Air Bag.

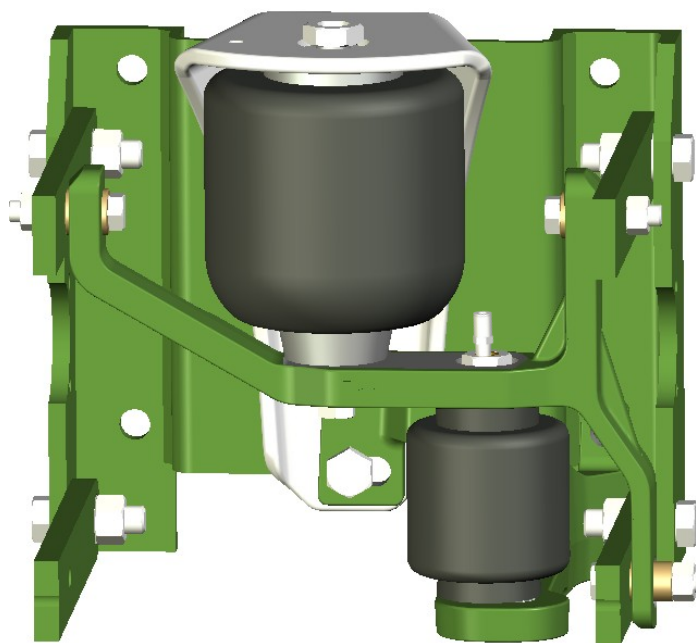
The 5/8" nut should be tightened to 10-12 lb-ft of torque. 1/2" bolt should be tightened to 30 lb-ft of torque.

Install the 1/8NPT X 1/4PTC Straight fitting (726106) into the Lift Air Bag at this time, torque to hand-tight + 1 turn.



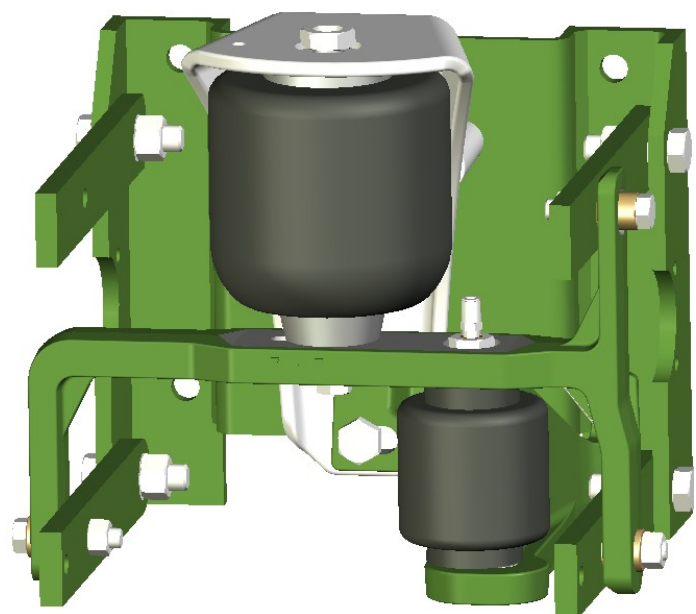
7. Check tightness of all bolts and nuts, and freedom of motion/clearance of all components.

Completed Row Unit Conversions



Row Unit Conversion
for kits: 726020
726035
with Regular & Long Parallel Arms

Pro Shaft Driven



Row Unit Conversion
for kits: 726015
726030
with Regular & Long Parallel Arms

Chain Driven