

Row Unit Conversion Instructions

for:

planter models:JD7000/7100 & Kinze

to convert from **Existing Springs:**.....JD/Kinze Side Springs

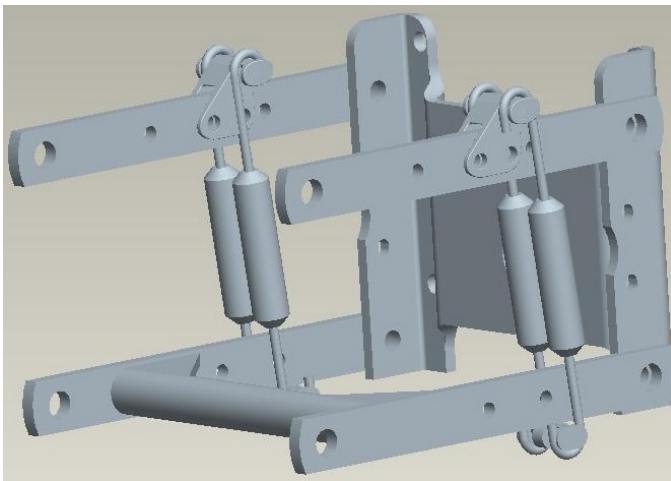
HD Spring Attachment

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

with **Conversion Kits:**.....726025

726210

Existing Springs



This conversion process applies to planters with **Regular** parallel arms (with or without the Kinze or Yetter row unit extension) and **Chain** Driven meters. The examples shown below are diagrams for a **Kinze** planter with regular parallel arms that is Chain 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. An image illustrating the completed conversion is located at the end of this instruction.

Conversion Kit Components

726025	726210	Part Number	Part Name	Description
1	1	726101	Spring	Lift Air Bag
1	1	726064	Support	Lift Spring Bar
1	1	726155	Support	Lift Spring Support
1	1	726186	Support	Lift Bar Attachment Bracket - Left Hand
1	1	726202	Support	Lift Bar Attachment Bracket - Right Hand
	1	726134	Guide	Spring Guide Assembly
1		726355		**Hardware Pack
	1	726384		** Hardware Pack

Quantities are given per row

Hardware Pack Components

726355	726384	PART NUMBER	PART NAME	DESCRIPTION
1	1	13007	Bolt	1/4-20 x 1.25 GRD 5 Bolt ZN CL
1	1	13010	Bolt	1/4-20 x 1.75 GRD 5 Bolt ZN CL
1	1	13111	Bolt	3/8-16 x 2 GRD 5 Bolt ZN CL
1	1	13113	Bolt	3/8-16 x 2.5 GRD 5 Bolt ZN CL
	2	13210	Bolt	1/2 - 13 x 1.75 GRD 5 Bolt ZN Y
1		17311	Bolt	5/8-18 x 2.0 GRD 5 Bolt ZN CL
1	1	17313	Bolt	5/8-18 x 2.5 GRD 5 Bolt ZN CL
1	2	17315	Bolt	5/8-18 x 3.0 GRD 5 Bolt ZN CL
2	2	33078	Washer	1/4 SAE Flat ZN CL
3	3	33090	Washer	5/8 SAE Flat ZN CL
2	2	37260	Hex Nut	1/4-20 Top Lock Nut ZN CL
1	1	36214	Hex Jam Nut	5/8-11 Nut ZN CL
2	2	37264	Hex Nut	3/8-16 Top Lock ZN CL
3	3	37312	Hex Nut	5/8-18 Top Lock ZN CL
1	1	95055	Bolt	5/16-18 x 1 GRD 5 Bolt ZN Y
1	1	726066	Link	Positioning Link
1	1	726069	Bushing	3/8 - 5/8 x .68 Sleeve Bearing
2	2	726070	Bushing	1/4 - 1/2 x .5 Sleeve Bearing
1	1	726071	Bushing	3/8 - 5/8 x 1.18 Sleeve Bearing
2	2	726072	Bushing	5/8 - 7/8 x 1 Sleeve Bearing
	2	726379	Bushing	1/2-3/4 x .5 Sleeve Bearing
1	1	726113	Male Tee	1/8 NPT x 1/4 PTC Tee

Quantities are given per row

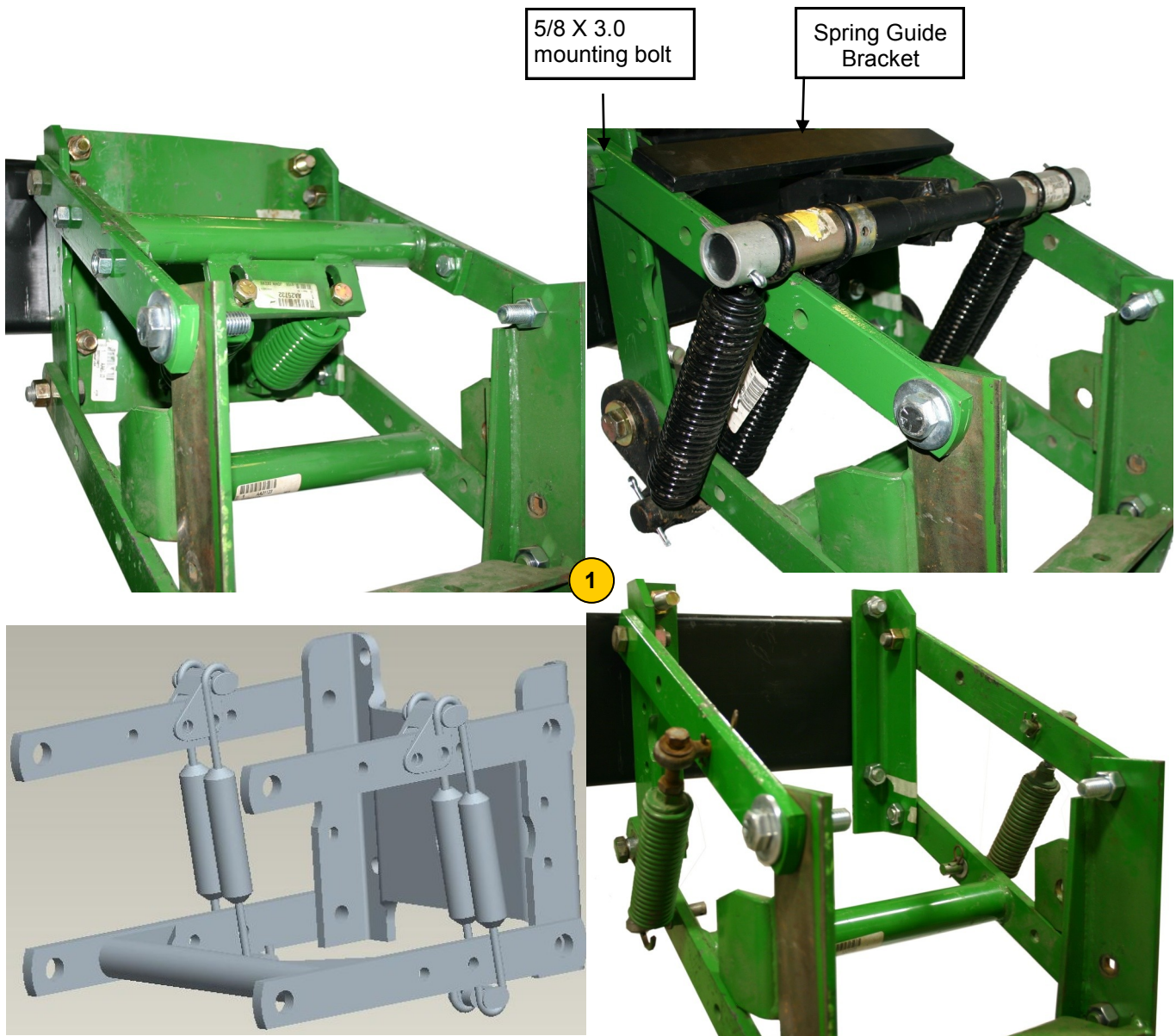
Recommended tools (not provided):

Open end wrenches: 3/8", 7/16" 9/16", 1/2", 3/4", & 15/16"

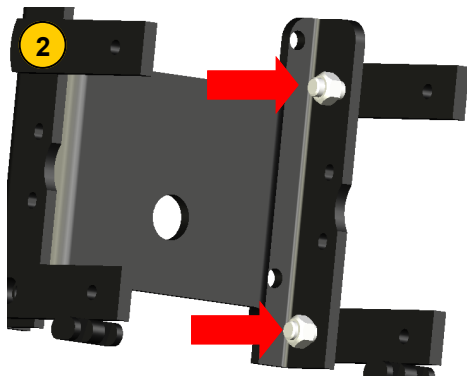
- or suitable crescent wrench

Sockets (Deep well recommended): 9/16", 1/2", 3/4"

1. Begin the conversion process by loosening springs or removing the top/bottom bolt to release spring tension. Next, lower the planter or otherwise reduce the weight on the parallel arm bolts.

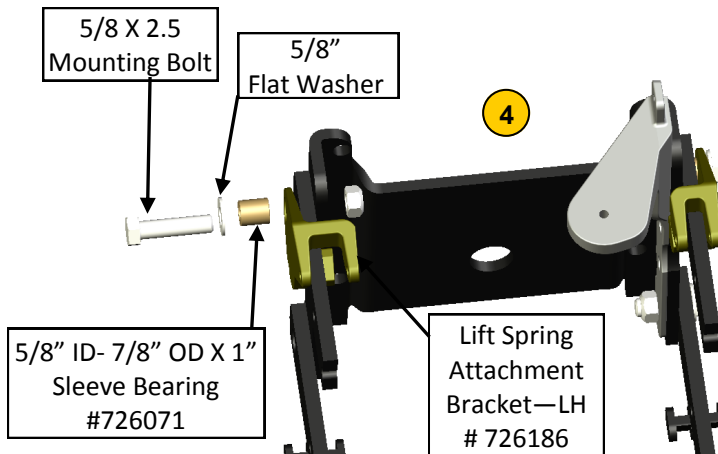
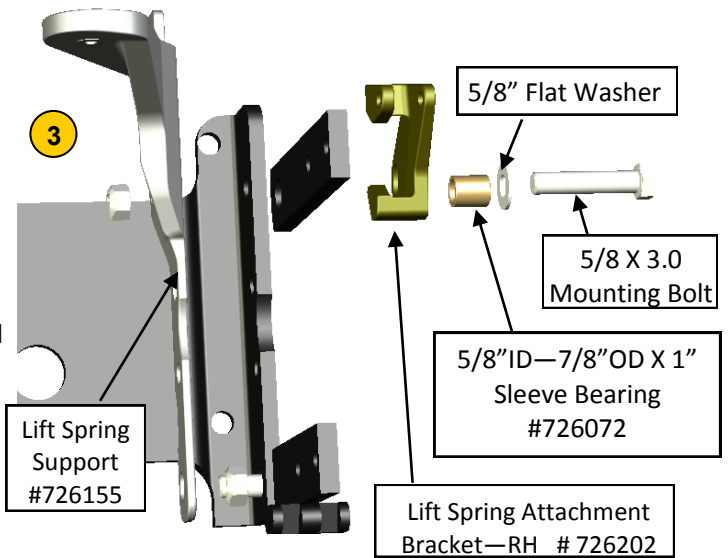


Note: For JD 7000 planters with the HD Spring Assembly Part# 726210 (Used on planters after 1995 with unit mounted coulter; *shown above top right*) remove the Spring Guide Bracket by extracting the 5/8 X 3.0 bolts that connect the parallel arms to the mounting plate/angle brackets.



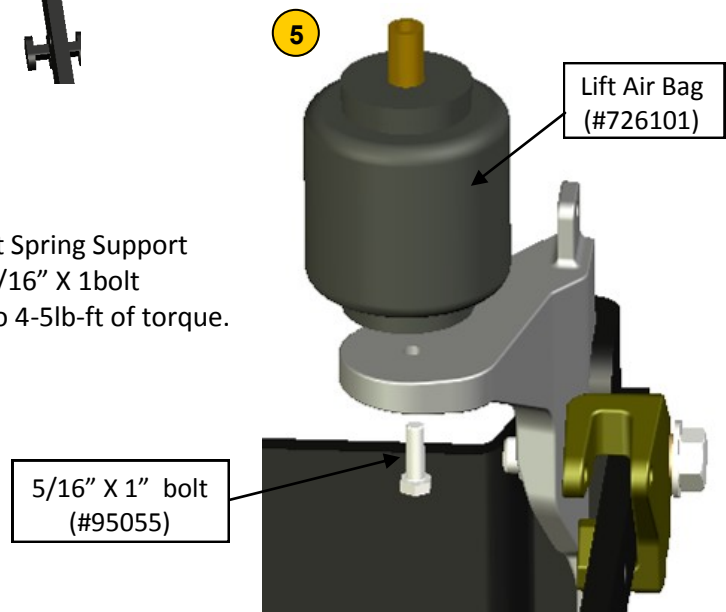
2. From the rear of the planter, facing row unit: Remove the bolt & bushing from the top and bottom right parallel arm at the mounting point; only the bushing from the lower right hand attachment point will be re-used.

3. Next, install the Lift Spring Support (#726155) and the Lift Spring Attachment bracket—Right Hand (#726202). From right to left, the components will be placed: Lift Spring Attachment bracket-RH and parallel arm (Use the supplied bushing # 726070), mounting plate or angle, and finally the Lift Spring Support.

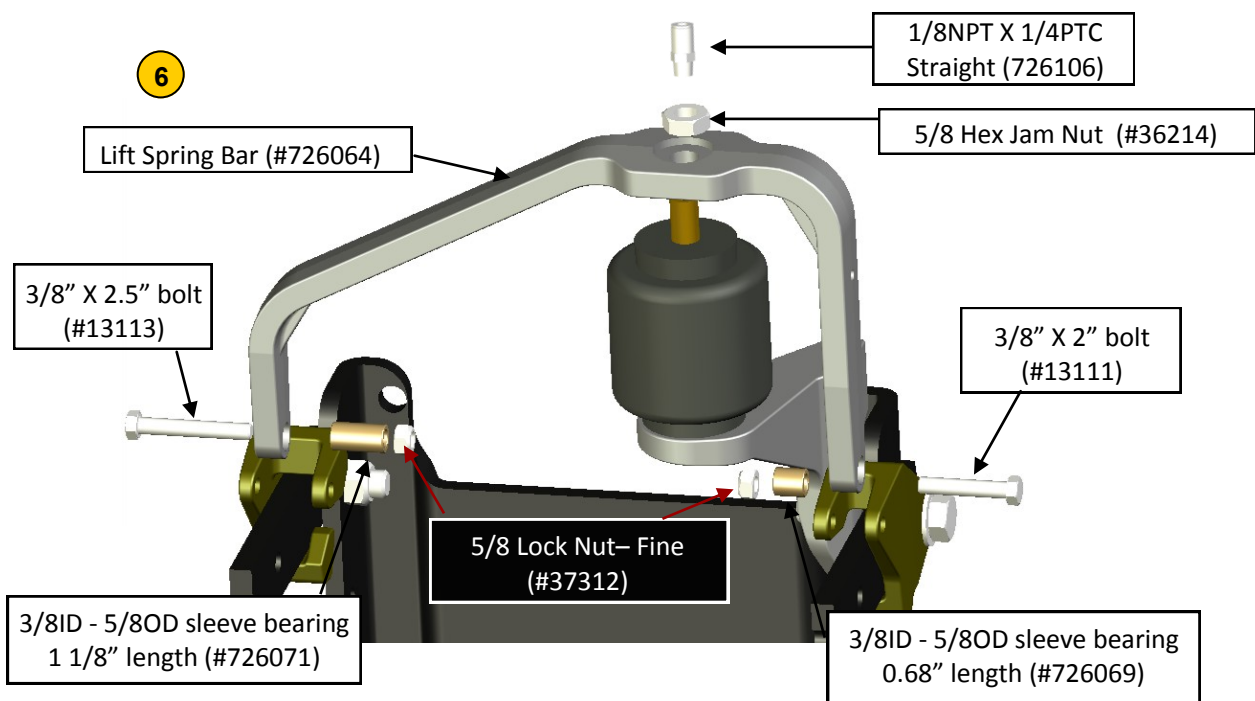


4. Remove bolt and bushing from the upper left parallel arm. Install the Lift Bar Attachment bracket-Left (#720186) outside the parallel arm using the supplied bushing (#726070). Finger-tighten bolt at this time.

5. Place the Lift Air Bag (#726101) on the Lift Spring Support (#726155) as shown. Fix in place using the 5/16" X 1" bolt (#95055). The 5/16" bolt should be tightened to 4-5lb-ft of torque.

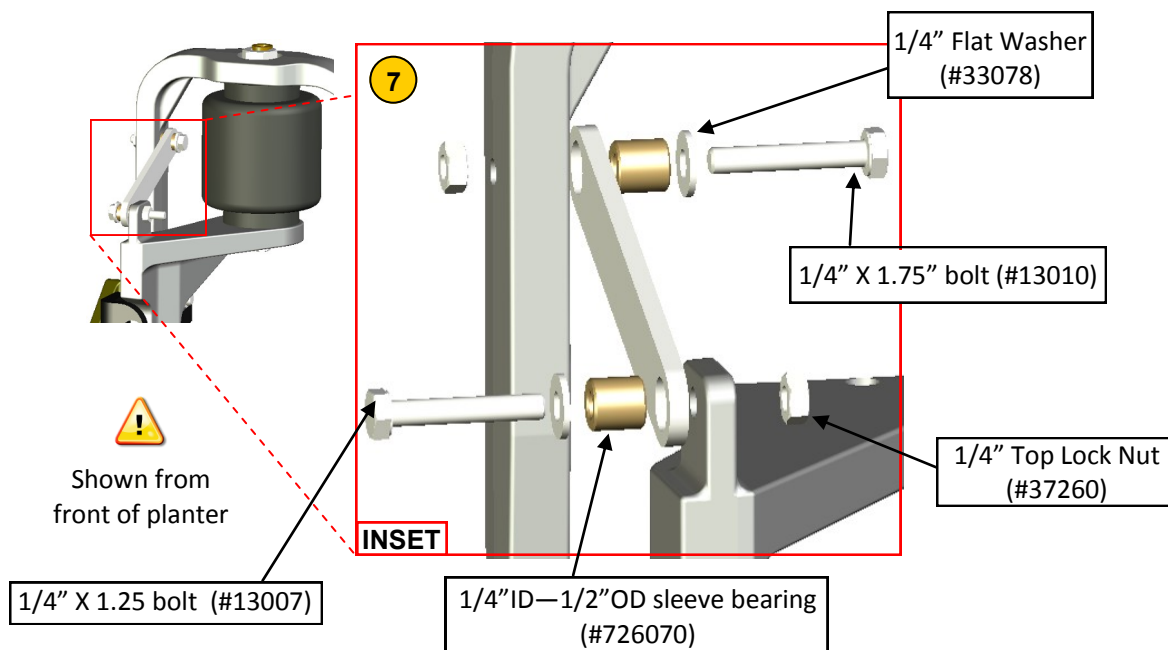


6. Position the Lift Spring Bar (#726064) on the Lift Air Bag as shown and fix in place using the 5/8 Hex Jam Nut (#36214). The 5/8" nut should be tightened to 10-12lb-ft of torque. Manually compress the Lift Air Bag by pressing down on the Spring Bar to align it with the attachment brackets. Fix the assembly to the Left Hand parallel arm using the 3/8" X 2.5" bolt (#13113), 3/8"ID - 5/8"OD sleeve bearing 1 1/8" length (#726071), and 5/8" Lock Nut- Fine (#37312). Using the 3/8"—16 X 2" bolt (#13111), 3/8ID - 5/8OD sleeve bearing 0.68" length (#726069), and 5/8"—18" Lock Nut- Fine (#37312) fix the assembly to the Right Hand Parallel arm. Lastly, install the 1/8"NPT X 1/4"PTC Straight Fitting (726106) into the top of the Lift Air Bag, torque to hand-tight+ 1 turn.



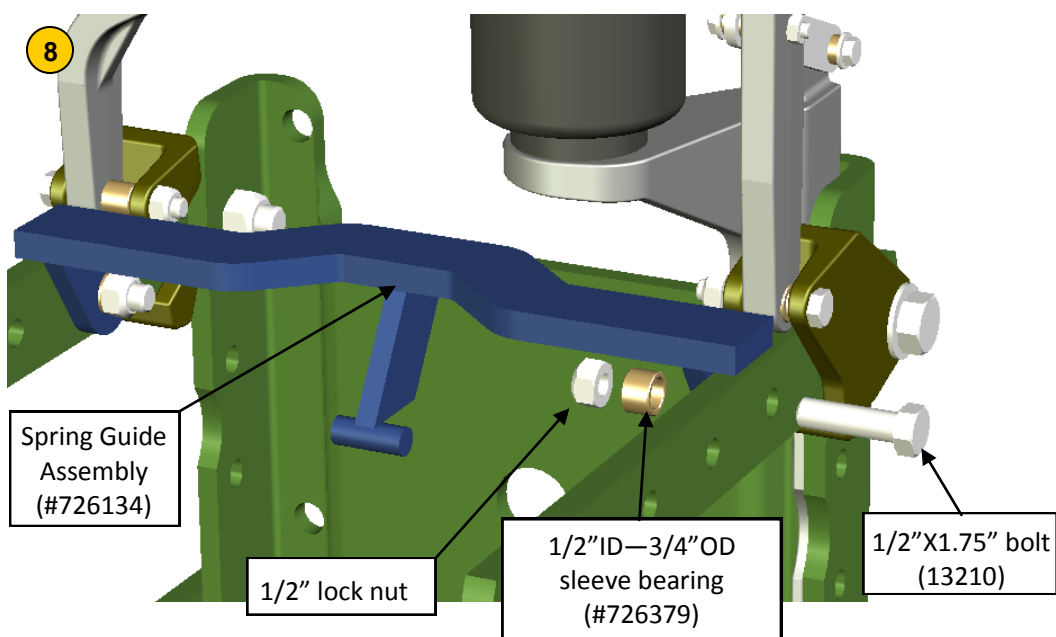
7. Next place the Positioning Link (#726066) between the Lift Spring Support and the Lift Spring Bar as shown (Far left image). Fix the Positioning Link in place using two 1/4" X 1.5" bolts (#13009), two 1/4"ID—1/2"OD sleeve bearings(#726070), 1/4" X .193 hex machine nut (#36036), and two 1/4" Flat Washers (#33078)

See illustration on following page



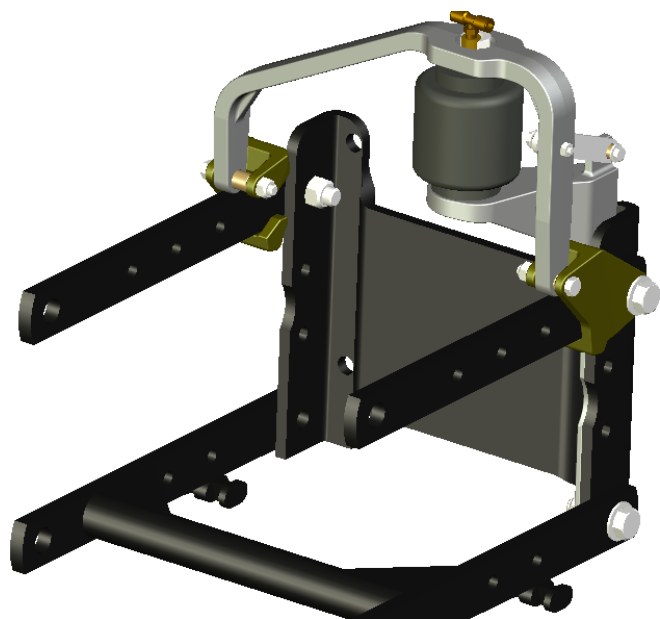
Note: The following step is for **ONLY** JD 7000 planters with the HD Spring Assembly Part# 726210 (Used on planters after 1995 with unit mounted coulters). All other configurations should skip to step #9.

8. Install the Spring Guide Assembly (#726134) as shown using two 1/2" X 1.75" bolts (13210), two 1/2" lock nuts, and two 1/2" ID—3/4" OD sleeve bearings (#726379)

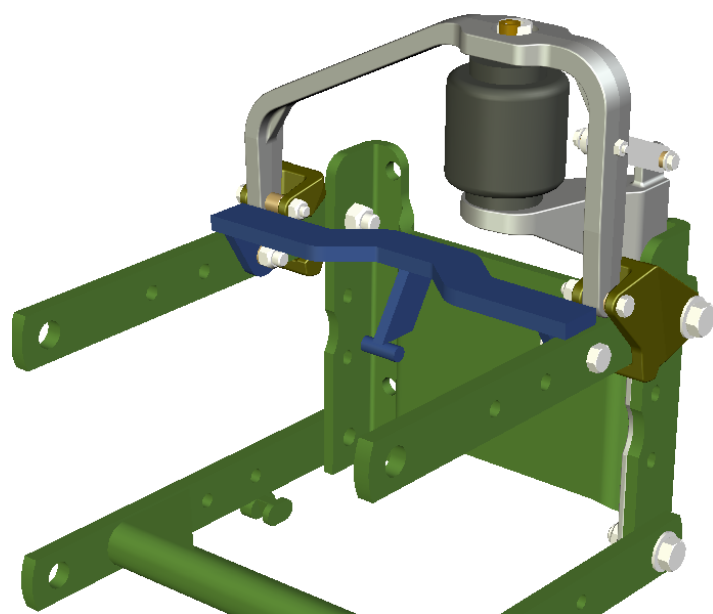


9. To complete the conversion process return the springs to their original positions. Check tightness of all bolts and nuts, and freedom of motion/clearance of all components.

Completed Row Unit Conversions



Row Unit Conversion
for kits: 726025
JD 7000 & Kinze
Side Springs



Row Unit Conversion
for kits: 726210
JD 7000 1995 and newer
HD Spring Assembly