

Row Unit Conversion Instructions

for:

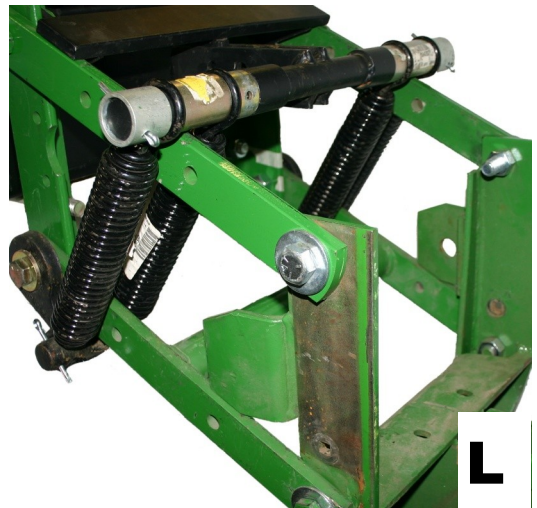
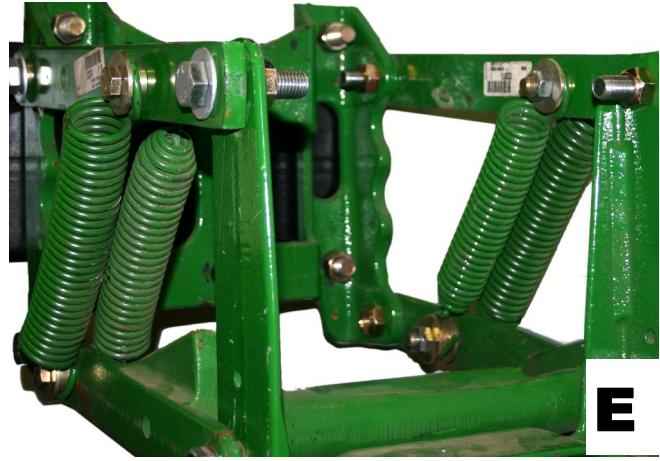
planter models:JD 7200 / 7300

to convert from **Existing Springs:**.....JD Light Duty, Double
Light Duty, 4 HD Springs (Reg. Parallel Arms)

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

with **Conversion Kits:**.....726040
726045

Existing Springs



Caution: After completion of the Conversion and Plumbing processes verify clearance of all components. Please see the clearance page directly following these instructions for details.

Conversion Kit Components

726040	726045	Part Number	Part Name	Description
1	1	726101	Spring	Lift Air Bag
1	1	726263	Support	Lift Spring Support
	1	726259	Spacer	Down Force Support Spacer
1	1	726266	Bar	Lift Spring Bar
1		726353		** Hardware Pack
	1	726354		** Hardware Pack

Quantities are given per row

Hardware Pack Components

726353	726354	PART NUMBER	PART NAME	DESCRIPTION
1	1	36214	Hex Jam Nut	5/8-11 Nut ZN CL
6	6	38403	Washer	M6 Flat ZN CL
2	2	38568	Bolt	M6-1.0 x 35 ZN CL
	2	38671	Bolt	M10-1.5 x 130 ZN CL
2	2	90680	Hex Nut	M6-1.0 Top Lock Nut ZN CL
1	1	95053	Bolt	5/18-18 x .75 GRD 5 Bolt ZN Y
2		128779	Bolt	M10-1.5 x 65 ZN Y
2	2	726508	Bolt	M12-1.75 x 50 Class 10.9 ZN Y
1		162436	Bolt	M16-2.0 x 45 ZN Y
1	1	726066	Link	Positioning Link
2	2	726070	Bushing	1/4 - 1/2 x .5 Sleeve Bearing
1	1	726106	Male Fitting	1/8 NPT x 1/4 PTC Straight
1	1	726115	Tee	1/4 PTC Tee
2	1	726205	Hex Nut	M12-1.75 Top Lock Nut ZN Y
2	2	726258	Bushing	1/2 - 1 x .69 Sleeve Bearing
1	1	726291	Hex Nut	M16-2.0 Top Lock Nut ZN Y
2	2	726388	Washer	M12 Flat ZN Y
2	2	726453	Washer	1" Flat
2	2	MN2600000 YZ0000	Hex Nut	M10-1.5 Nut ZN Y
2	2	MW6400000 YZ0000	Washer	M10 Flat ZN Y

Quantities are given per row

Recommended tools (not provided):

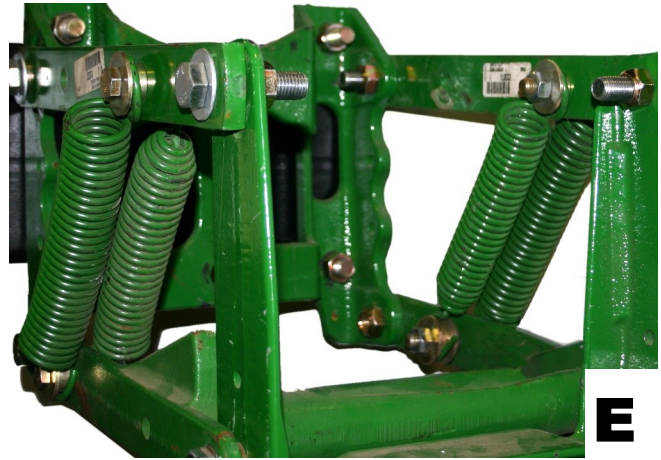
Open end wrenches: 3/8", 7/16" 1/2", 15/16", 10MM, 16MM, 19MM, & 24MM

- or suitable crescent wrench (s)

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



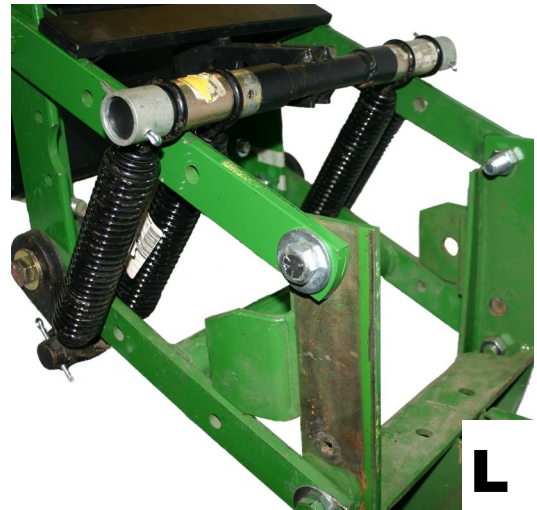
D



E

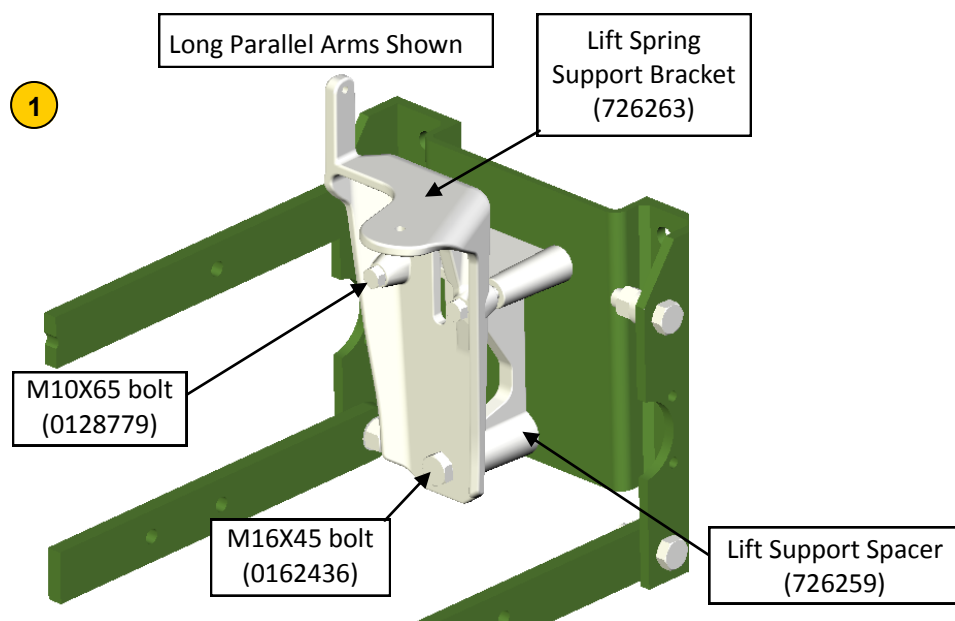


G



L

Begin the conversion process by removing spring tension via raising the planter and disengaging the spring/spring assembly. Next, lower the planter or otherwise reduce the weight on the parallel arm bolts.



Instructions on following page

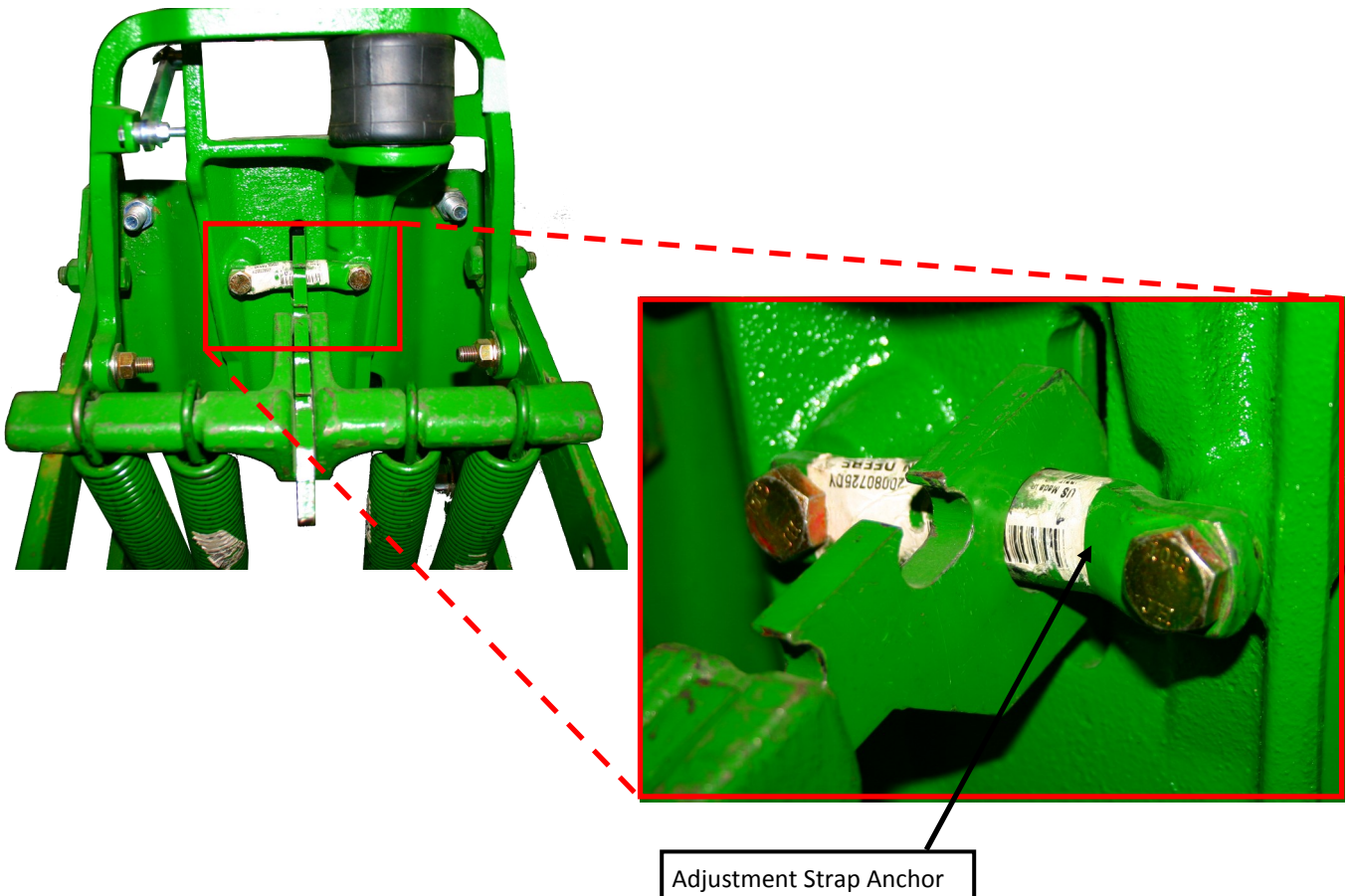
1. Start with the installation of the Lift Spring Support Bracket (726263) onto the mounting plate using :

—two M10X65 bolt (0128779), an M16X45 bolt (0162436), two M10 hex nuts, and an M16 lock nut (726291) for regular parallel arms

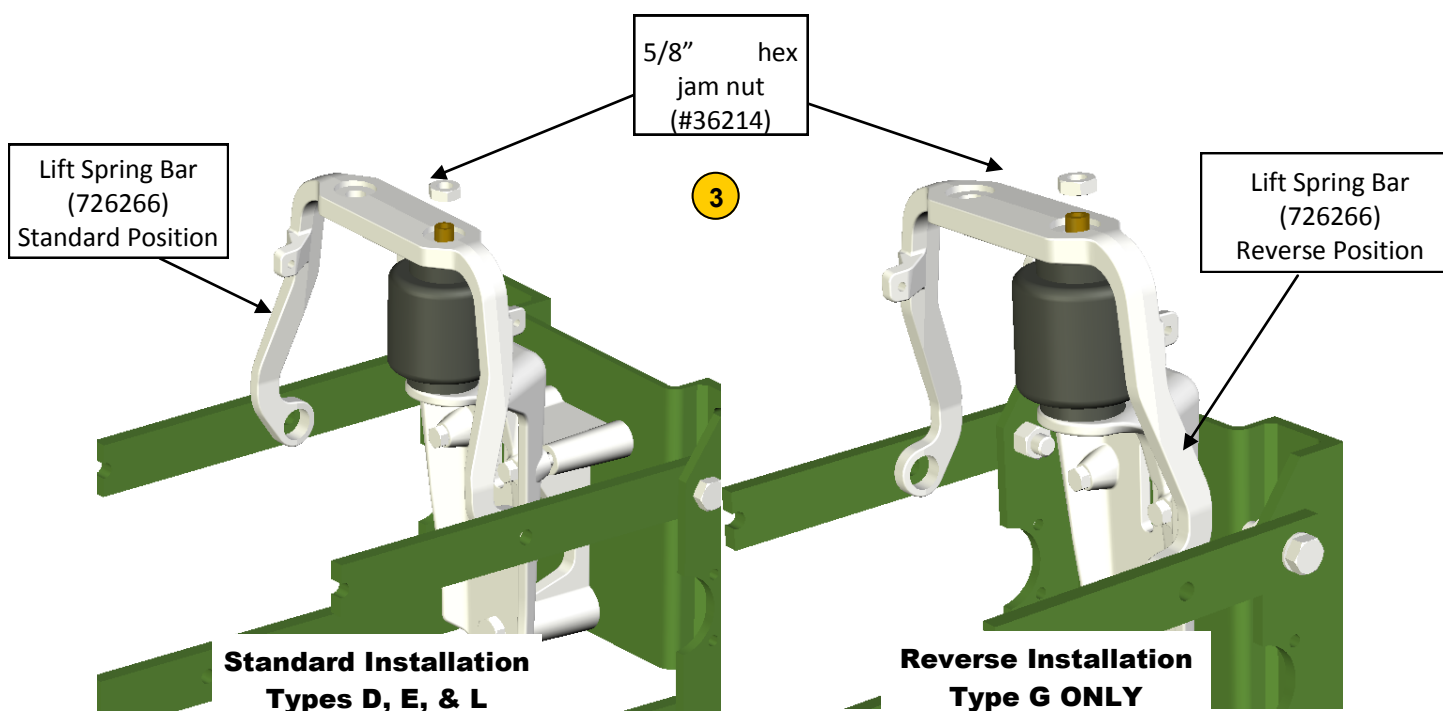
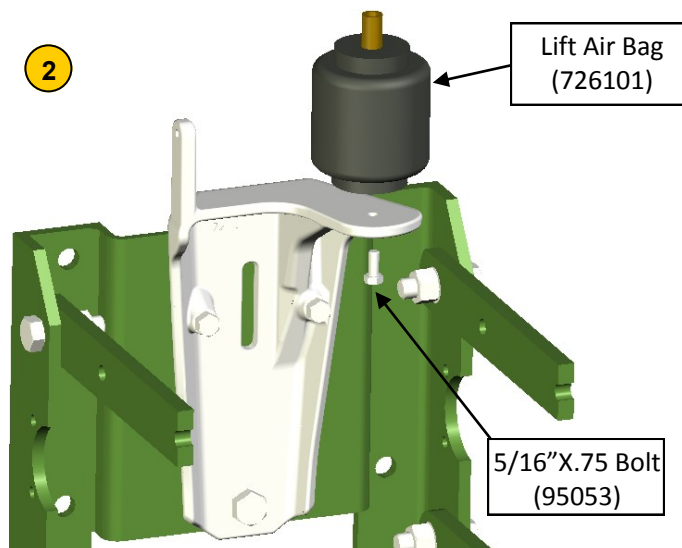
—two M10X130 bolt (38671), two M10 hex nuts, an M16 X130 bolt (38772), and an M16 lock nut (726291) placed through the Lift Support Spacer (726259) for long parallel arms



Note: Spring type 'G' will require the Adjustment Strap Anchor be re-installed in the REVERSE of its standard mounting position - with the inward curve facing toward the row unit. A completed row unit with the Anchor shown in the corrected position is shown below

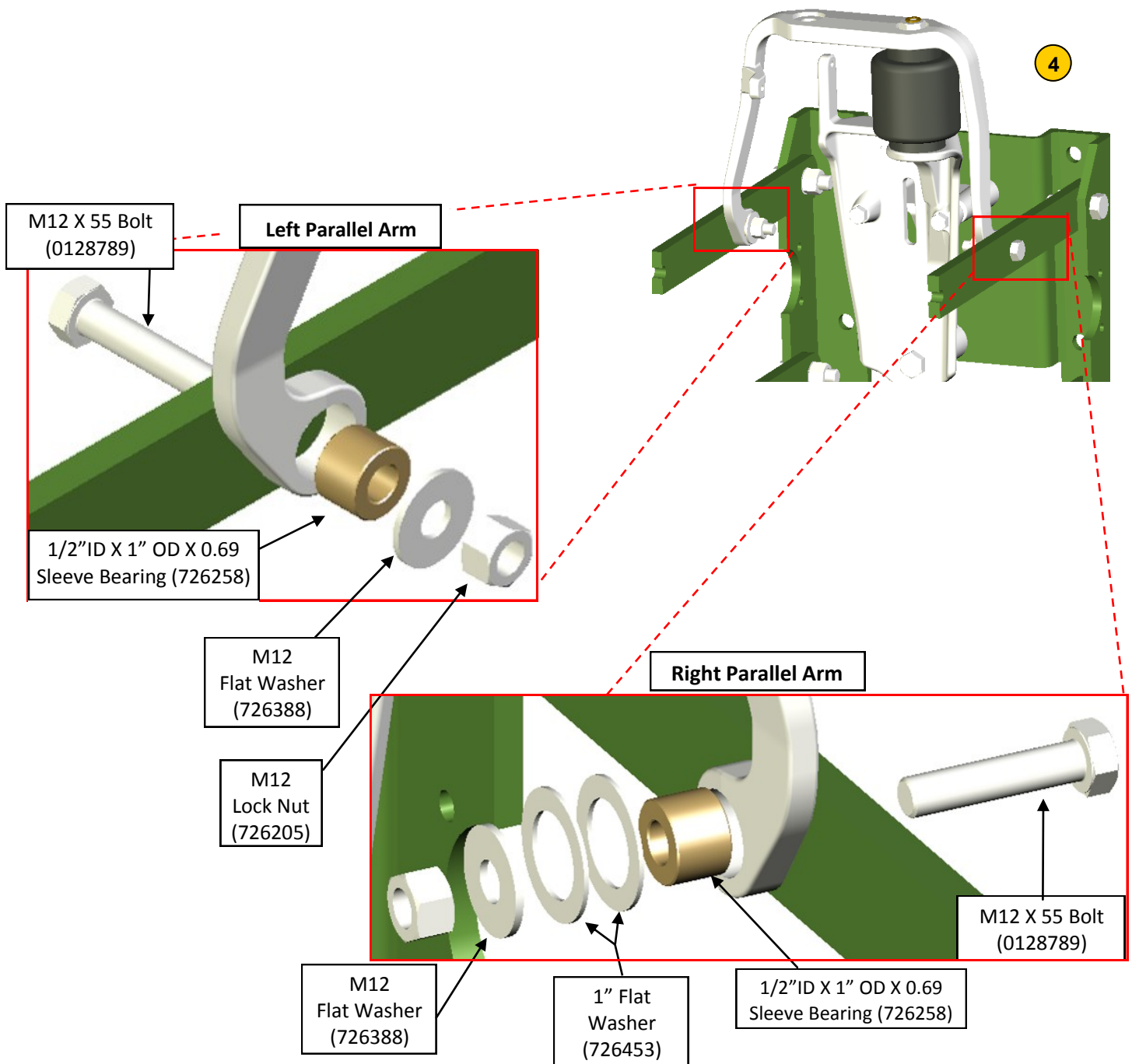


2. Place the Lift Air Bag (726101) on the top of the Lift Spring Support Bracket. Align it with the opening and fix in place to the underside of the Lift Bag through the Lift Spring Support using the 5/16"X 0.75 Bolt (95053). 5/16" bolt should be tightened to 4-5lb-ft of torque



3. Next, align the Lift Spring Bar (#726266) over the Lift Air Bag and inside the top parallel arms. Refer to the previous page to correspond your existing Down Force system to the following instructions. Spring types D, E, & L should be installed in the standard position (shown above left) with the curves of the Lift Bar facing towards the row unit or rear of the planter. Spring Type G should be installed in the Reverse position (shown above right) with the curves of the Lift Bar facing towards the front of the planter / tractor

Fasten the Spring Bar to the Air Bag using the 5/8" hex jam nut (#36214), this will help anchor the Spring Bar during the next step. The 5/8" nut should be tightened to 10-12lb-ft of torque.



4. Manually compress the Lift Air Bag to assist aligning the Lift Spring Bar with the top parallel arms. Fix in place according to the images above. For the left parallel arm: install the M12 X 55 Bolt (0128789) on the outside of the parallel arms, and the 1/2" ID X 1" OD X 0.69 Sleeve Bearing (726258), the M12 Flat Washer (726388), and the M12 Lock Nut (726205) on the inside of the parallel arms. For the right parallel arm: installation is the same with the addition of two 1" Flat Washers (726453) used as spacers between the M12 Flat Washer and the Lift Spring Bar.

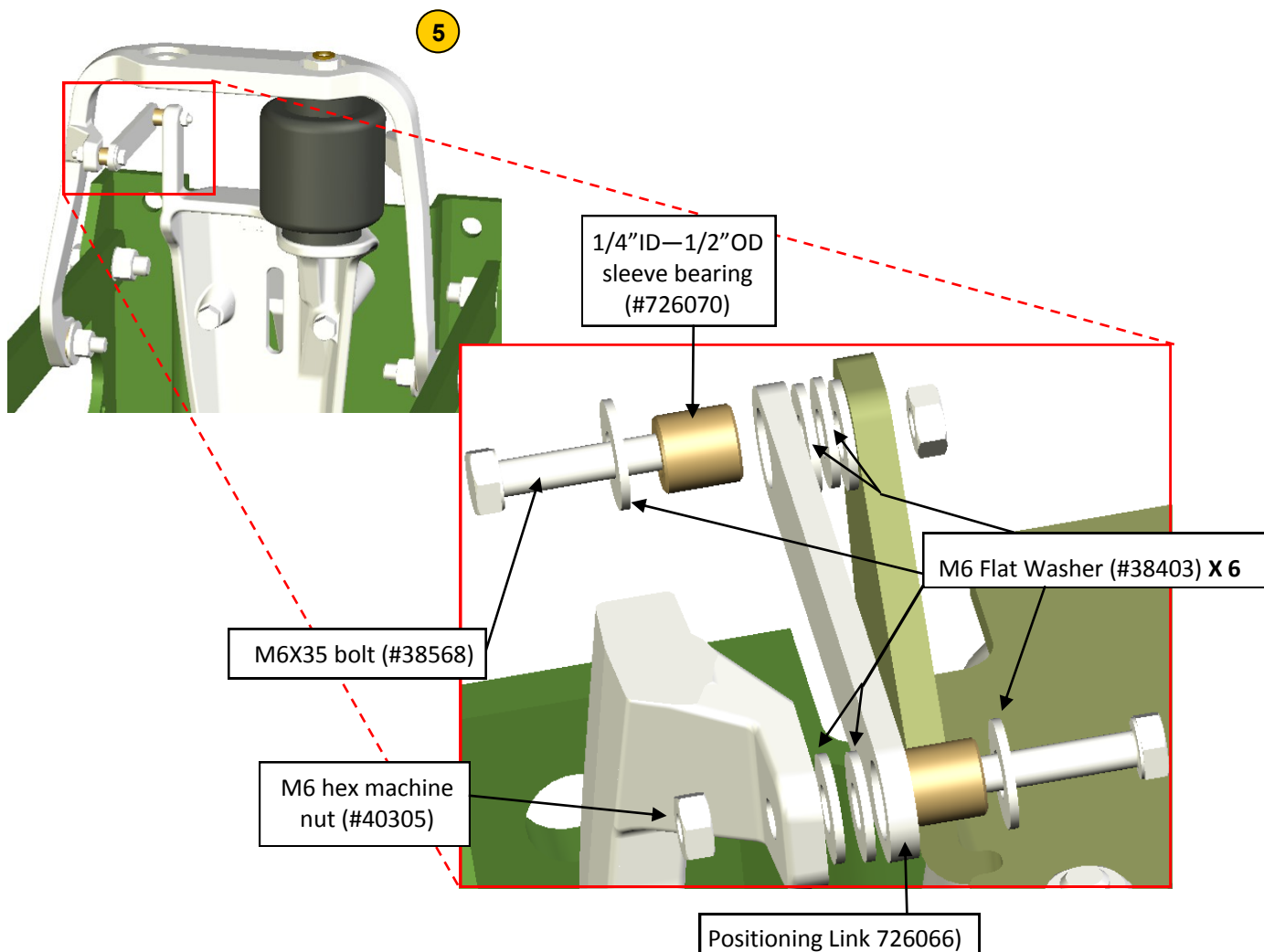


Image shown above is a generalization, use the correct number of M6 (1/4") washers to correctly align the positioning link in your situation.

5. Next place the Positioning Link (#726066) between the Lift Spring Mounting Bracket and the Lift Spring Bar as shown (above left). Fix the Positioning Link in place using two M6 X 35 bolts (#38568), two 1/4" ID—1/2" OD sleeve bearings (#726070), two M6 hex machine nut (#40305), and **six** M6 Flat Washers (#38403). Install the washers as shown in the inset to properly space the Positioning Link.

6. Complete the row unit conversion by installing the Air fittings as shown on the following page. Install the 1/8" NPT X 1/4" PTC Fitting (726106) into the Lift Air Bag; the 1/4" PTC Tee (726115) will be used in the main line for the Lift Circuit. Tighten air fittings to hand-tight + 1 turn of torque.

Check tightness / torque recommendations of all connection points and freedom of motion / clearance of all components. Please see second page following for specific instructions; see the Torque Specifications page in the reference section.

Return the springs or spring assembly to their original position.

Checking for Clearance Around Lift Air Bags

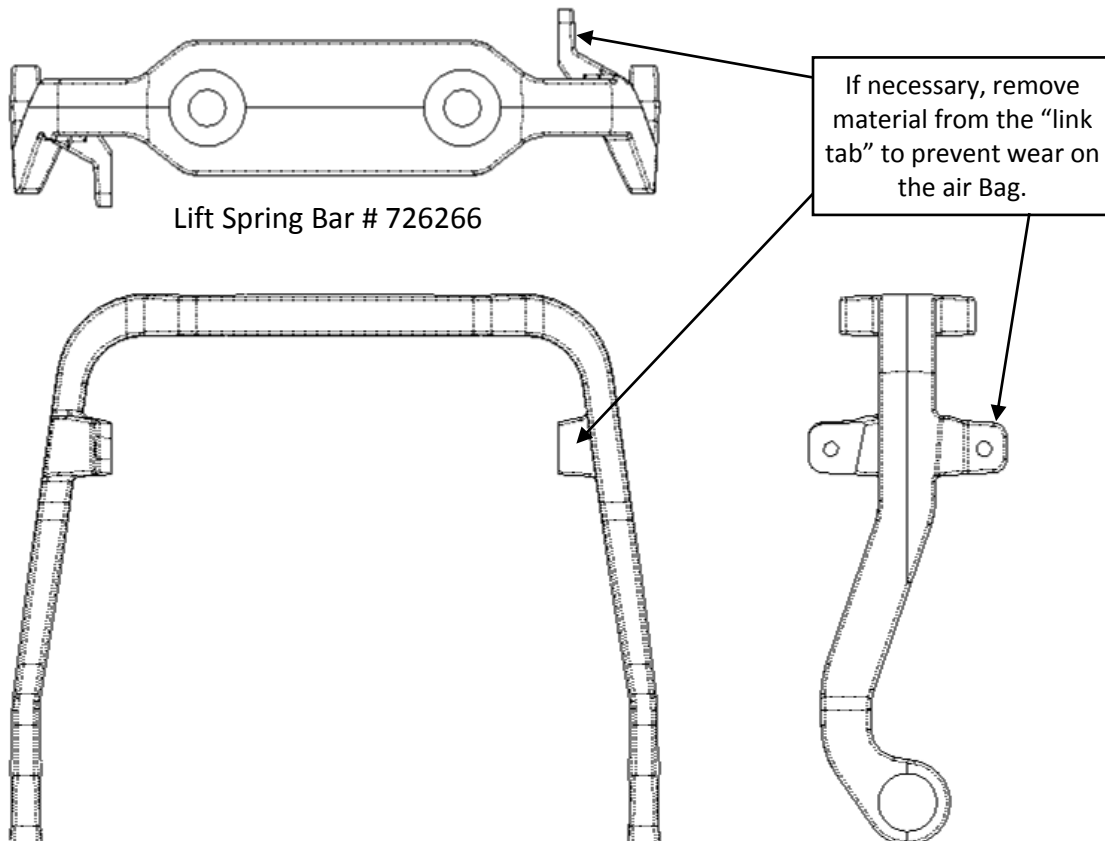
This kit is designed to have plenty of clearance around the lift airbag. However, it may be possible, with incorrect installation or exceptionally worn row unit equipment, for the Lift Spring Bar to come in contact with the Lift Air Bag (726101).

To confirm clearance around the Lift Air Bag:

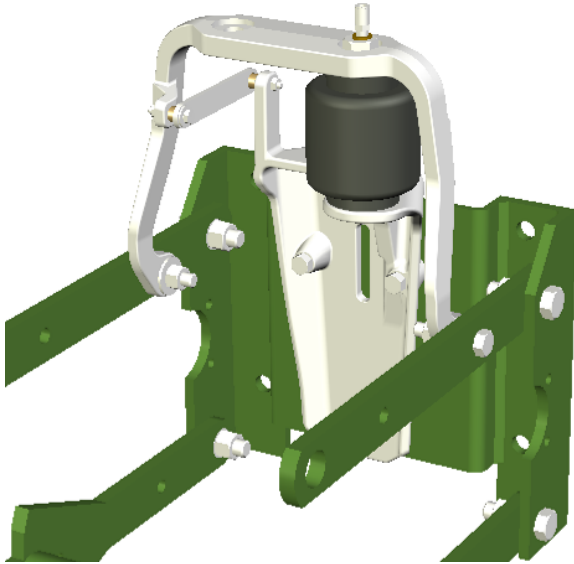
- ◆ Make sure all the AirForce equipment is properly installed, including row unit conversion kits, air lines, 20/20 monitor systems, and the Compressor Module .
- ◆ Power up the tractor and 20/20 system.
- ◆ Lower the planter to planting depth.
- ◆ Using the 20/20 AirForce Manual Control functionality, inflate the Lift system to 100 psi. (specific instruction for manual controls can be found on pages 9).
- ◆ Raise the planter so that the row units are completely suspended. This will compress the Lift Air Bag to its largest diameter.
- ◆ Inspect the lift air Bags on each row unit for any signs of contact with the Lift Spring Bar.

What to do if the airbag is not clear all the way around:

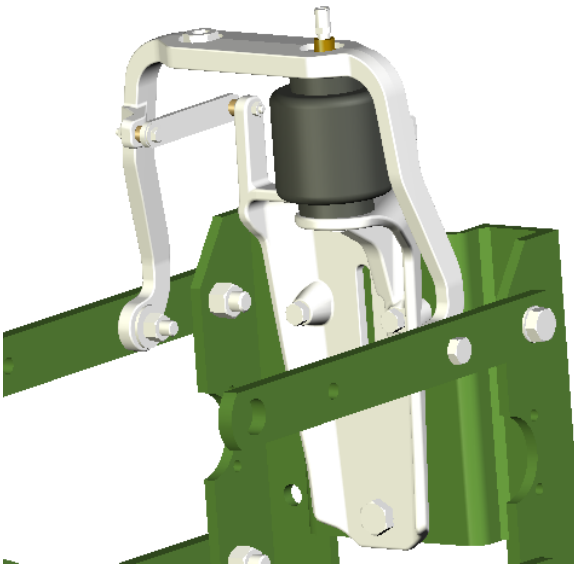
- ◆ If the air Bag does not have complete clearance, first double check that the AirForce row unit parts were installed correctly. Particularly, watch for loose hardware and misplaced 1" spacer/shim washers (726453).
- ◆ If all AirForce row unit parts have been installed correctly, it may be necessary to remove some material from the Lift Spring Bar. Prior disassembling anything, be sure to relieve pressure from the system, and disable the 20/20 AirForce control.
- ◆ Material will probably need to be removed from the "link tab" which is closest to the airbag.



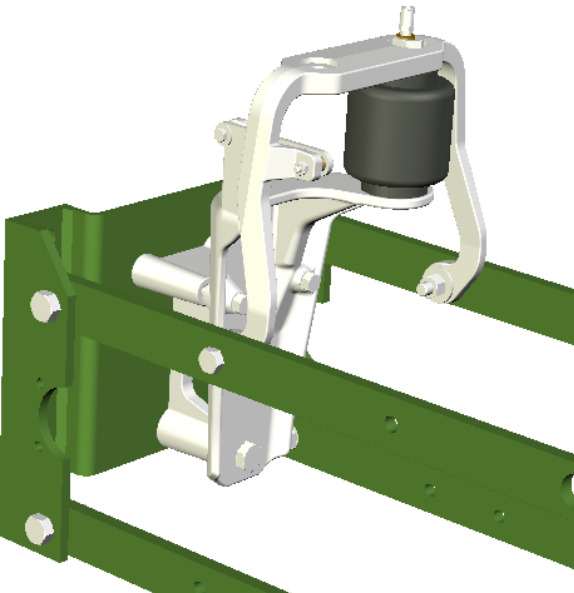
Completed Row Unit Conversions



Row Unit Conversion
for kits: 726040 **STANDARD**
Regular Parallel Arms
Chain or Pro Shaft Driven



Row Unit Conversion
for kits: 726040 **REVERSE**
Regular Parallel Arms
Chain or Pro Shaft Driven



Row Unit Conversion
for kits: 726045
Long Parallel Arms
Chain or Pro Shaft Driven