

Row Unit Conversion Instructions

Part#: 726695 - CNH Down Only

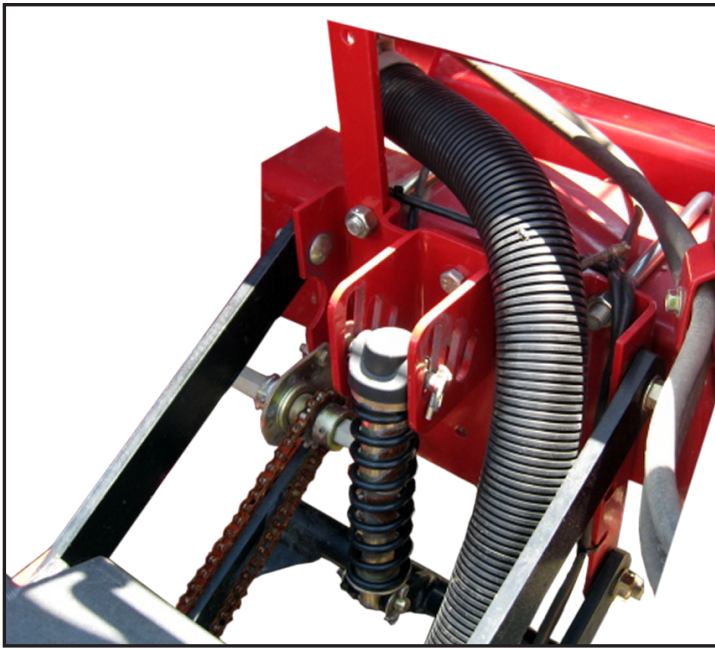
Planter Models:CNH 12XX series Planters

To Convert From Existing Springs:.....CNH Adj. Center Springs, CNH Monoshock

Resulting Forces Controlled:.....Down Only

With Conversion Kit:.....726675

EXISTING SPRINGS



This conversion process applies to the 1200 family of planters with **Regular** (14") parallel arms. The examples shown below are diagrams for a planter with regular parallel arms; some components shown here may not apply to your particular planter. Special notes will be made throughout the following instructions to assist with most individual model needs. Images illustrating a completed row unit conversion are located at the end of these instructions.

Row Unit Conversion Instructions (Continued)

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Conversion Kit Components

Item	QTY	Part Number	Part Name	Description
1	1	726679	Spring	Air Bag (Case Down)
2	1	726672	Bracket	Air Spring Head Mount
3	1	726673	Bracket	Air Spring Base Mount
4	1	726699	Hardware Kit	

Quantities are given per row.

Hardware Pack Components

Item	QTY	Part Number	Part Name	Description
5	2	13005	Bolt	1/4" X 1" GRD5 Hex Bolt ZN
6	1	13105	Bolt	3/8" X 1" GRD5 Bolt ZN
7	3	13206	Bolt	1/2" X 1.125 GRD5 Bolt ZN
8	2	13209	Bolt	1/2" X 1.5" GRD5 Bolt ZN
9	3	33078	Washer	1/4" SAE Flat ZN
10	2	33086	Washer	1/4" SAE Flat ZN
11†	1	36214	Hex Jam Nut	5/8" Hex Nut ZN
12	1	36266	Hex Jam Nut	3/4" Hex Nut ZNCL
13	2	37260	Hex Nut	1/4" Top Lock Hex Nut ZN
14	3	37268	Hex Nut	1/2" Top Lock Hex Nut ZN
15	1	726113	Tee	1/8" NPT X 1/8" PTC Tee
16	2	726574	Bushing	1/4"ID X 1/2"OD X 0.23"L
17	1	726681	Link	Case 14" Parallel Arm Stabilizer
18†	1	726689	Stud	Case Air Spring Base Connector
19	2	726691	Bushing	1/2"ID X 7/8"OD X 0.550"L
20†	1	726698	Male Elbow	45 Deg 1/8"NPT X 1/4" PTC

Quantities are given per row.

† Not used in this configuration. Note, some components of the 726699 Hardware Kit may not be necessary in all cases; this is a universal hardware kit that is common to several assemblies.

Recommended tools (not provided):

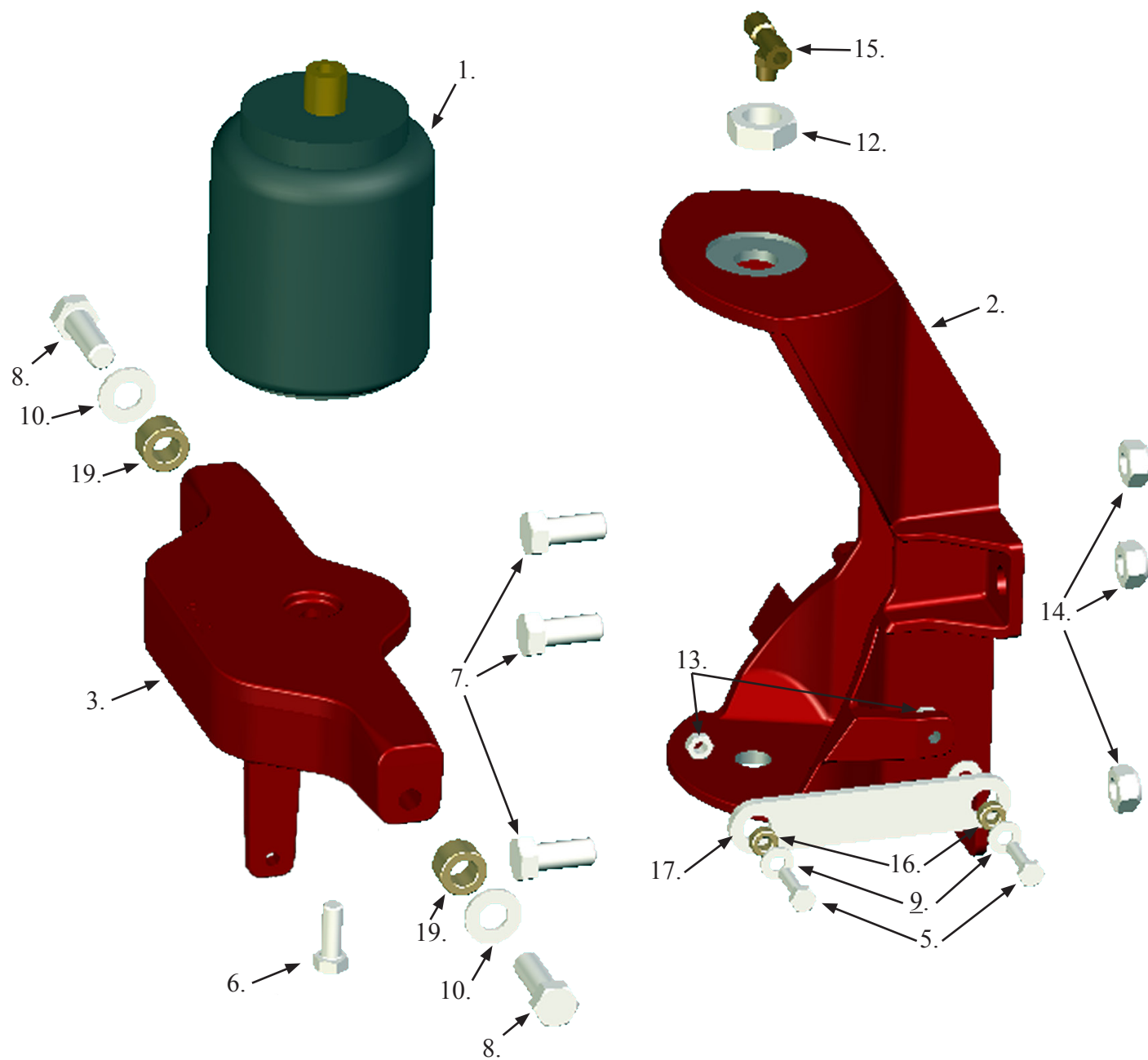
Open end wrenches: 3/8", 7/16", 9/16", 3/4", 15/16", 1-1/8" - or suitable crescent wrench (s)

Sockets (Deep well recommended): 3/8", 7/16", 9/16", 3/4", 15/16", 1-1/8"

Torque Wrench

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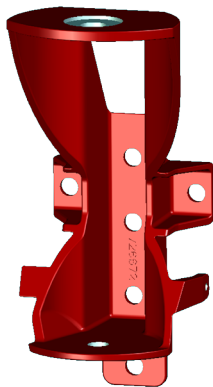
Step 1:

Begin installation by removing tension from the existing springs system. Once the tension is removed, prepare for the conversion process by removing the existing spring system (refer to OEM owner's manual or your local representative for instruction on this process).

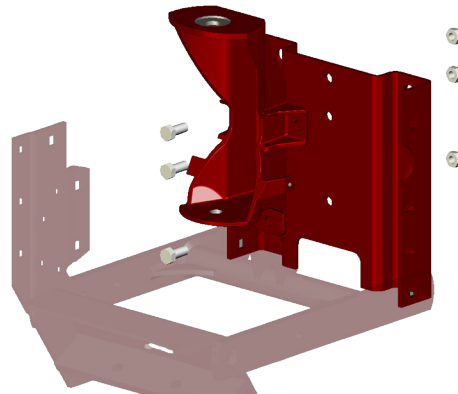
Step 2:

Now that the row unit is ready to accept new components, begin by securing the Case Air Spring Head Mount (726672) to the 'W' plate on the planter frame using the 1/2" X 1.125" GRD5 Bolts (13206). The wide holes are only used on Precision Planting's extension brackets.

Note: It may be necessary to shift the vac tube manifold to the left or right in order to clear the Head Mount bracket with the vac hose.



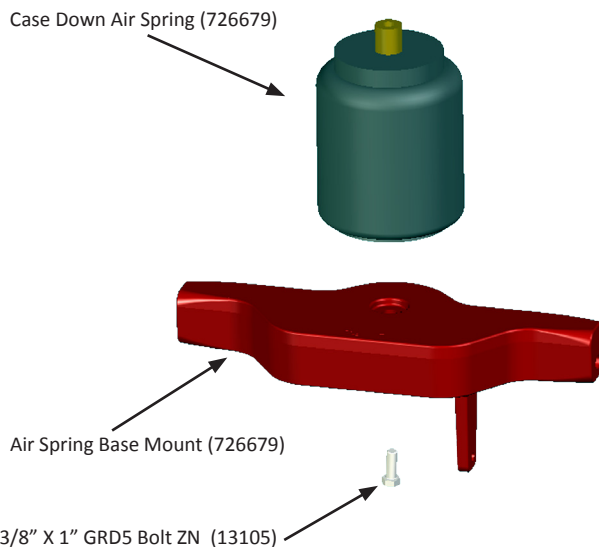
Case Air Spring Head Mount (726672)



Case Air Spring Head Mount (726672)
and 1/2" X 1.125" GRD5 Bolts (13206)

Step 3:

Continue the conversion process by pre-assembling the Case Down Air Spring (726679) to the Air Spring Base Mount (726679) using the 3/8" X 1" GRD5 Bolt ZN (13105). Thread the Case Down Air Spring onto the 3/8" bolt. Hand Tighten as best as possible, but **DO NOT** use wrenches or pliers to tighten the spring any further. This may damage the spring and is unnecessary. The connection will be tightened to the correct torque in the next step.



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Step 4:

Next, install the Air Spring Assembly into the Head Mount from step 2. Angle and compress the Case Down Air Spring to align with the hole in the upper portion of the Head Mount. It may be helpful, prior to securing the assembly to the parallel arms, to thread the $\frac{3}{4}$ " Hex Jam Nut (36266) onto top stud of Down Air Spring and finger tighten.

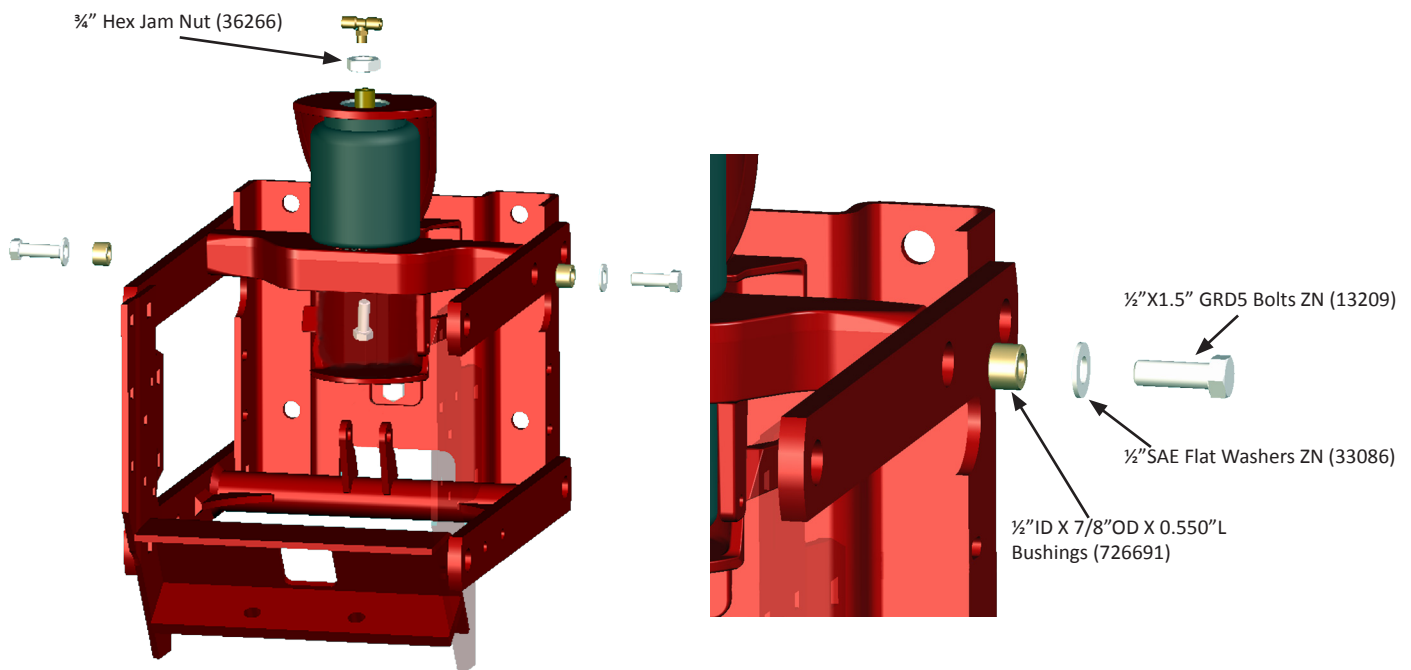
With the Air Spring Assembly installed in the Head Mount, securely fasten the Base Mount to the parallel arms using two – $\frac{1}{2}$ "X1.5" GRD5 Bolts ZN, two – $\frac{1}{2}$ "SAE Flat Washers ZN, two – $\frac{1}{2}$ "ID X 7/8"OD X 0.550"L Bushings. See image for placement.

Tighten to the proper torque settings:

$\frac{3}{8}$ " bolt into base of Down Air Spring: 25-30lb-ft

$\frac{3}{4}$ " Jam Nut onto top stud of Down Air Spring: 8-9lb-ft of torque.

DO NOT OVERTIGHTEN



Note: Use image as base for next couple steps with specific insets.

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Step 5:

Next install the Case 14" Parallel Arm Stabilizer Link between the Air Spring Head Mount (726672) and the Air Spring Base Mount (726673). **See *Img. A***. Secure the Stabilizer Link using the supplied hardware:

Two – ¼" X 1" GRD 5 Bolt ZN (13005)

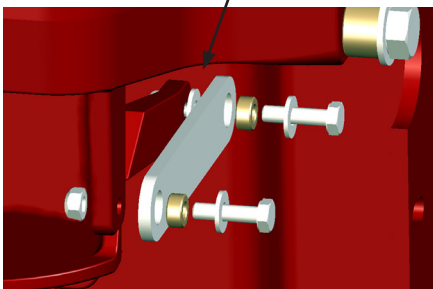
Three – ¼" SAE Flat Washers (33078)

Two – ¼" Top Lock Nut ZN (37260)

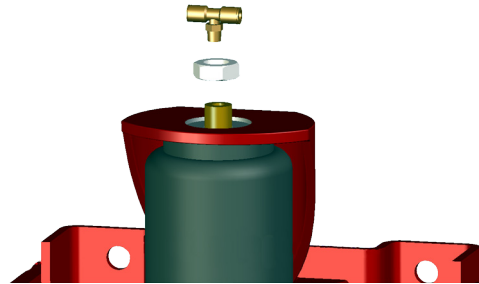
Two – ¼"ID X ½"OD X 0.23"L Bushings (726574)

Note: only two washers are required for installation. A third washer is included and may be used to shim out the link if it is necessary to improve alignment (installed behind Stabilizer Link on Head Mount casting).

Note Location/Placement of 3rd Washer



Img. A



Img. B

Complete the installation by installing the fittings for the air lines for the down and lift circuits. Thread the 1/8"NPT X 1/4"PTC Tee (726113) into the top of the Case Down Air Spring. Tighten to "hand tight + 1 turn." **See *Img. B***

Note: these pneumatic fittings come with a thread sealant pre-installed on the threads. If it becomes necessary to replace these, or they are removed and re-installed multiple times, the application of a suitable thread sealant should be made.

Completed Row Unit Conversion

