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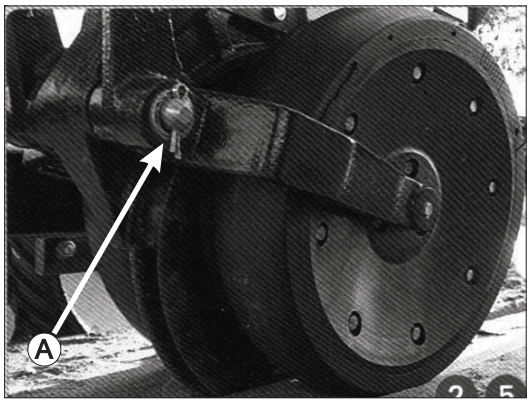
PR1333
PR1332
12/17/20

INSTRUCTIONS FOR INSTALLING THE R K P GAUGE WHEEL ARM PIVOT KIT ON IH 800/900/955/1200/2000 SERIES PLANTERS

When working on your planter in the raised position be certain that service locks are installed or parking stansd are down and properly secured. Wear proper protective clothing and eye protection. Review the safety section in you operator's manual.

IMPORTANT: READ INSTRUCTIONS CAREFULLY

Before installing this kit we recommend making other necessary repairs such as replacing opener disks, bearings and seed tube guards. Badly worn seed tube guards will allow the opener disks to flex inward away from the tires. It is not necessary to replace opener disk scrapers. Proper installation of the R K P Gauge Wheel Arm Pivot Kit will result in the opener disks being cleaned by the gauge wheel tires therefore the scrapers can usually be eliminated.



REMOVAL

1. Remove arm by removing cotter pin (A) and washers. If necessary, file the ends of the gauge wheel arm hub to make sure they are smooth and flat. Clean the bore. If there is a dust drain hole in the bottom of the hub close it with "J B Weld" or similar material. Welding is also an option. Remove original pivot shafts.

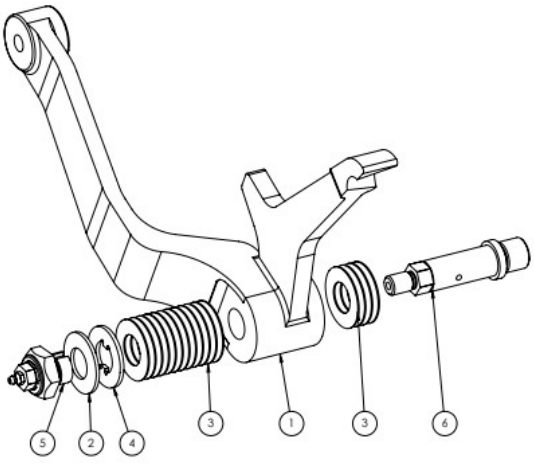
INSTALL PIVOT SHAFTS

2. Apply Locktite 271 (Threadlocker) or equivalent to the external theads on the pivot shaft and to the internal threads on the row unit. The threads must be clean and dry before application. Install pivot shaft assembly (6) into tapped hole. Using a 7/8" socket, torque to 150 ft-lbs. **Do not use impact wrench.**
It is recommended to wait 24 hours for the Locktite to set before moving on to the rest of the installation steps.

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	CASE IH GAUGE WHEEL ARM		1
2	K1015	SPRING WASHER	1
3	K1019	ADJUSTING WASHER	16
4	K1541	TAB WASHER	1
5	AK1156	ADJUSTING NUT ASSY	1
6	K2005	PIVOT SHAFT	1

INSTALLARMS

3. **Make sure that the adjusting washers on both sides of the arm will lay flat on the end of hub. If the arm interferes eliminate the interference by grinding.** Sixteen adjusting washers K1019 (3) are provided for each arm. Place approximately five adjusting washers onto pivot shaft (6). This is an approximate number and should result in a small gap between the tire and opener disk. More adjusting washers will be moved to this position if necessary to create more room between disks and gauge wheel rubber. Install gauge wheel arm with wheel (not shown). Place enough adjusting washers (I) outside of arm until they are approximately flush with end of pivot shaft. Lightly lubricate washers during assembly in this or subsequent steps.
Install disc spring (2), tab washer (4), the adjusting washers (3) onto the adjusting stud assembly (5). Screw adjusting stud assembly onto threads on the end of the pivot shaft (6) and tighten.



4. Tighten locknut on AK1156 (5) until the arm and wheel assembly stays up under its own weight. For installation purposes there should initially be a gap between the tire and disk. If necessary move some adjusting washers from outside of the arm to inside position to create a gap. This gap will be eliminated in step 8. Occasionally it may be necessary to move the hub of the arm out onto the adjusting stud.

5. With the arm in an average operating position, turn the tire and determine where the gap between the tire and disk is smallest. Using adjusting washers as a feeler gauge determine how many adjusting washers inside of hub need to be moved to the outside of hub to allow the tire to rub the opener disk with light to moderate pressure. Do not move washers until final torque step.

6. The purpose of locknut is to set the disc spring pressure on the hub of the arm. It does not have anything to do with determining the relationship of the tire to the opener disk. That is determined entirely by the number of adjusting washers inside of the arm hub.

7. Loosen locknut so the gauge wheel comes down. Remove the gauge wheel arm by removing adjusting stud assembly (5). Do not remove the locknut, disc spring, tab washer and adjusting washers from the adjusting stud. Move correct number of adjusting washers from outside position to inside as determined in step 5. Reinstall the adjusting stud with disc spring and washers. Tighten adjusting stud to 105ft lbs torque. **Do not use impact wrench.**

8. Tighten the locknut on the adjusting stud until the gauge wheel will just fall under it's own weight when raised to planting position.

9. Grease the pivot joint. We recommend that you lubricate daily. Longer intervals are probably very acceptable however. You will have to determine the correct interval for your conditions.

10. After several days operation check the disc spring pressure. Check the disc spring pressure at least once a year thereafter. If looseness is detected make sure the adjusting stud is seated against the pivot shaft and torqued to 105 ft lbs before tightening the locknut. It may be necessary to back the nut off to be sure that the adjusting stud is seated against the pivot shaft.

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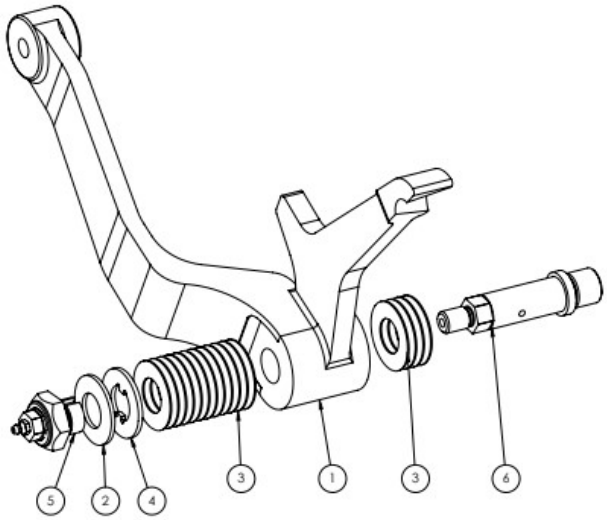
READ THIS



Special Notes:

1. Locknut size is 1 7/16" across flats. Many 12" adjustable wrenches will open to 1 7/16" but yours may not. If not, it is a simple matter to remove the required material from the stationary jaw of the wrench using a bench grinder.
2. In most cases the gauge wheel tire will rub the opener disk at the ground line (or at least have a very small gap) without excessive pressure between the tire and disk at some other point. If this is accomplished, moist dirt will be cleaned from the opener disk as the disk emerges from the ground. In this case the disk scrapers serve no purpose and can be removed.