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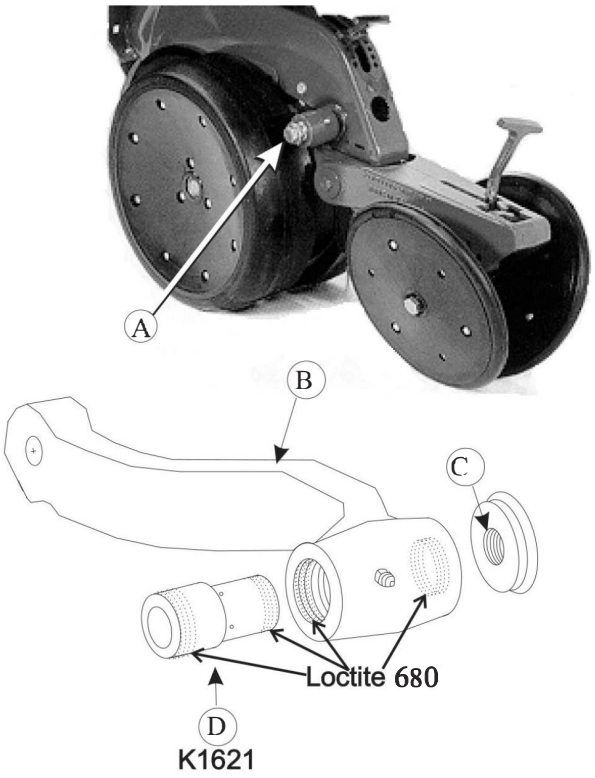
INSTRUCTIONS FOR INSTALLING THE NEW RKP GAUGE WHEEL ARM PIVOT KIT ON JOHN DEERE 1700 ME5 SERIES PLANTERS WITH ADJUSTING SLEEVE

When working on your planter in the raised position be certain that service locks are installed or parking stands 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

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 and threaded bushing (A) and discard bushing. If necessary file or grind the ends of the hub to make sure they are smooth and flat and free of excessive paint. Make sure the adjusting washers (4) lay flat on inner end of hub. If the arm interferes, eliminate the interference by grinding.

INSTALL ME5 SLEEVE BEARING

2. Make sure parts are clean and dry. Install Sleeve bearing (D) into bore of arm using Loctite 680 retaining compound on the four mating surfaces as shown. Use a cotton swab to spread the compound. Rotate the sleeve bearing in the bore to spread the compound evenly. The end of the sleeve bearing should be flush with the end of the hub. The compound will provide a permanent attachment between the two parts. It will also serve as a seal preventing grease from escaping except through the bore of sleeve bearing.

   A welding magnet can be used to hold the sleeve bearing during the installation process.

   Loctite 680 will set in approximately 20 minutes. It will fully cure in 24 hours.

INSTALL PIVOT SHAFTS

3. Clean and dry the threads on both the pivot pin (2) and the row unit mounting hole (C). Apply Locktite 271 (not included in kit) Threadlocker to these external and interal theads. Install pivot pin K2003 (2) into the row unit (C), using a 3/4" socket and torque wrench. **DO NOT USE AN IMPACT**. Torque Pivot shaft to 125 ft. lbs.

INSTALL ARMS

4. Place 6 K1019 (4) over the pivot pin, and re-install the gauge wheel arm (B). Check the relation of the gauge wheel to the disk openers. If the space is too tight, add more washers inside the arm. If the space is too loose, remove washers. Place remaining K1019 washers (4) on the outside of the arm. Install K1015 (5) then K1541 (3) onto the AK1156 adjusting assembly (1). Make sure the concave shape of the K1015 (5) is to the outside of the row unit. Thread the adjusting assembly AK1156 (1) onto the pivot pin and tighten. (the arm should still be loose)

INSTALLARMS

5. Tighten the lock nut on AK1156 (1) to increase the spring pressure on the hub of the arm until the wheel will fall slowly under its own weight when raised. Do not over-tighten.
6. The pressure against the disk openers by the gauge wheel rubber shoud be just enough that when the wheel is turned by hand, the disk openers will also turn.
7. Become familiar with the above settings by turning, pulling, raising and lowering the wheel. Disc spring pressure must be maintained. Generally once a season is adequate for checking.

TO REMOVE AN OPENER DISK:

Remove gauge wheel. Loosen lock nut to remove pressure on gauge wheel arm, then turn the adjusting assembly out approximately 5 turns so that the arm can be pulled outward to allow removal of the opener disk.

GREASING:

Grease until grease appears at both ends of the hub. We recommend greasing daily but longer intervals are probably acceptable. You will have to determine the correct interval for your conditions. Removing and inspecting one arm after a 50 hour interval should be informative.

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	AK1156		1
2	K2003		1
3	K1541		1
4	K1019		16
5	K1015		1
6	K1621		1
7	JD GAUGE WHEEL ARM		1