

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

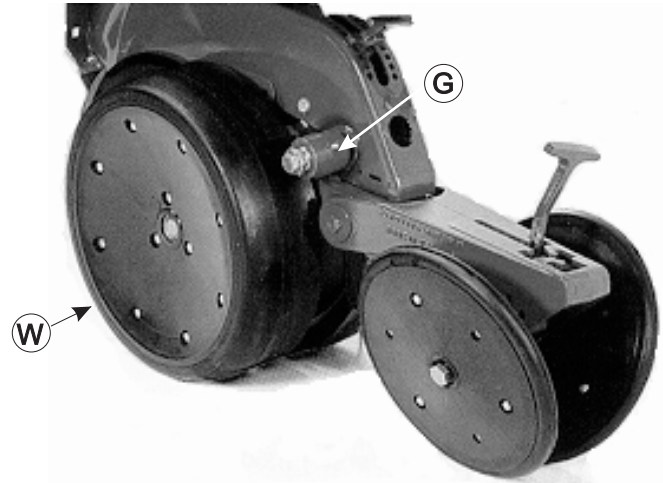
When working on your planter in the raised position be certain that service locks are installed or parking stands are down and properly secured. Wear proper protective clothing and eye protection. Review the safety section in you operator's manual.

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 and the scrapers can usually be eliminated.

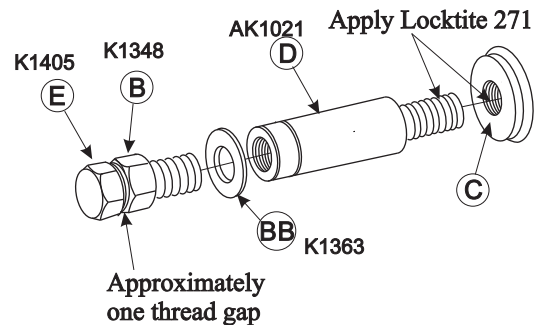
REMOVAL

1. Remove wheel (W) from arm (G).
2. Remove arm. Remove threaded bushing and discard. 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 at position (H) will lay flat on inner end of hub. If the arm interferes, eliminate the interference by grinding.



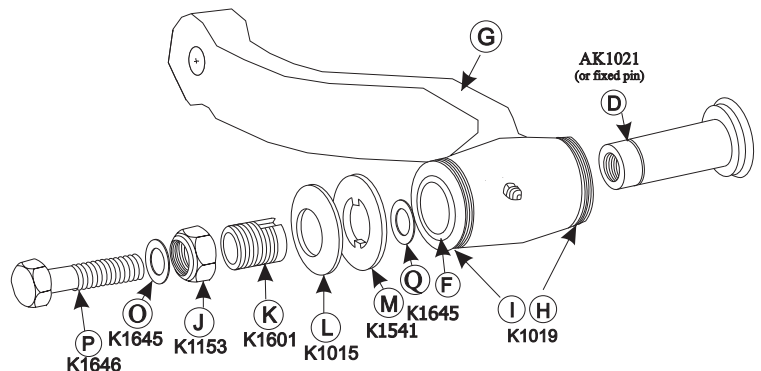
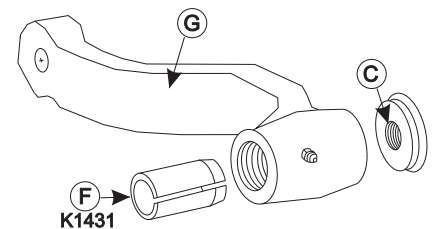
INSTALL PIVOT SHAFTS

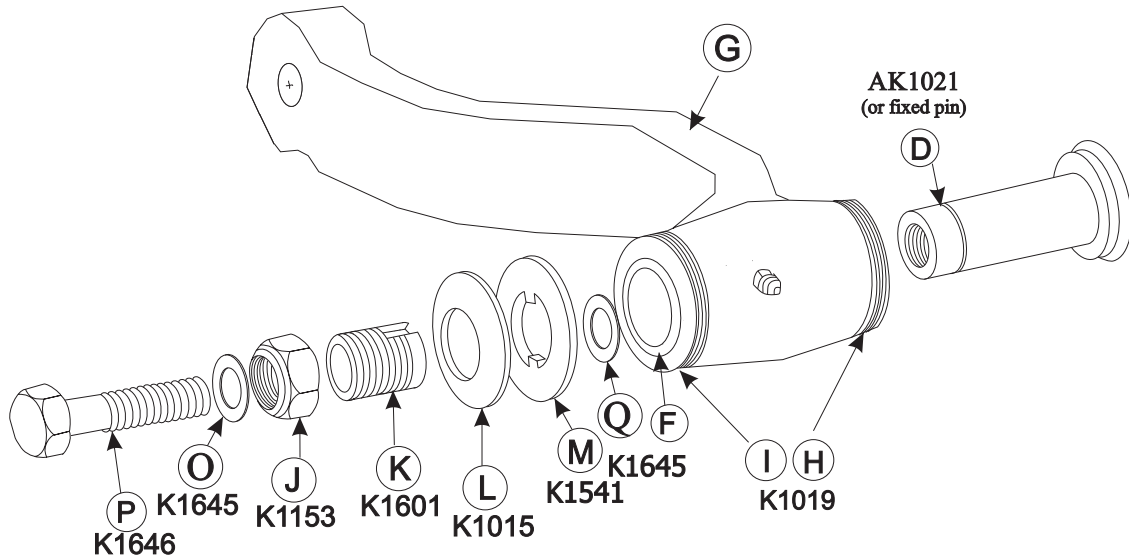
3. Install a grade 8, 5/8" nut (B) onto a grade 8, 5/8"x 1-1/2" capscrew (E). Leave a small gap of approximately one thread between the nut and capscrew head. Before installing the nut, oil the bolt threads in the area that the nut will be placed. Do not oil the remaining threads. Place heat treated flat washer (BB) on capscrew (E). Screw capscrew (E) into pivot shaft assembly (D) until washer (BB) is held against pivot shaft. Apply Loctite 271 (Threadlocker) or equivalent to the external and internal threads as indicated. The threads must be clean and dry before application. Install pivot shaft assembly (D) into tapped hole (C). Using a socket that engages both the head of the capscrew (E) and the nut (B) torque to 150 ft-lbs. **Do not use impact wrench.**
4. With the socket engaging the capscrew head only, tighten capscrew (E) while loosening nut (B) with a 15/16" wrench. Remove capscrew with nut and washer (BB). Wipe oil from end of pivot shaft (D). **Allow loctite to cure 24 hours.**



INSTALLATION

5. Press split bushing (F) into bore of hub.
6. Shim the opener disks. Recommendations for contact length between the opener disks vary. We think 2" to 3" is probably good.
7. Sixteen adjusting washers (K1019) are provided for each arm. Install arms with eight adjusting washers at each end of the hub.
8. Install bolt (P) through shim (O), adjusting sleeve (K), disk spring (L), tab washer (M), washer (Q) and into pivot pin (D). Tighten bolt to 125 ft. lbs. **The arm should still be loose.** If not, loosen nut (J). Tire should not be pressing disc heavily. If it is, move some of K1019 from (I) to (H).





- 9. Tighten locknut (J) to increase the disc spring pressure on the hub of the arm to the point that when the wheel is raised it will just stay up. It should take a small force to push the wheel down. Do not over-tighten.
- 10. If necessary shim wheels so the tires will rub the disks with light to moderate pressure.
- 11. The pressure between the tire and disks should be just high enough that when the wheel is turned by hand the opener disks will also turn.

When you are planting, the ground load will cause the opener disk to flex inward slightly and the tire outward slightly. Whatever pressure between the tire and disk that you establish it will be reduced when you are planting.

- 12. 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.
- 13. Grease at 50 hour intervals.