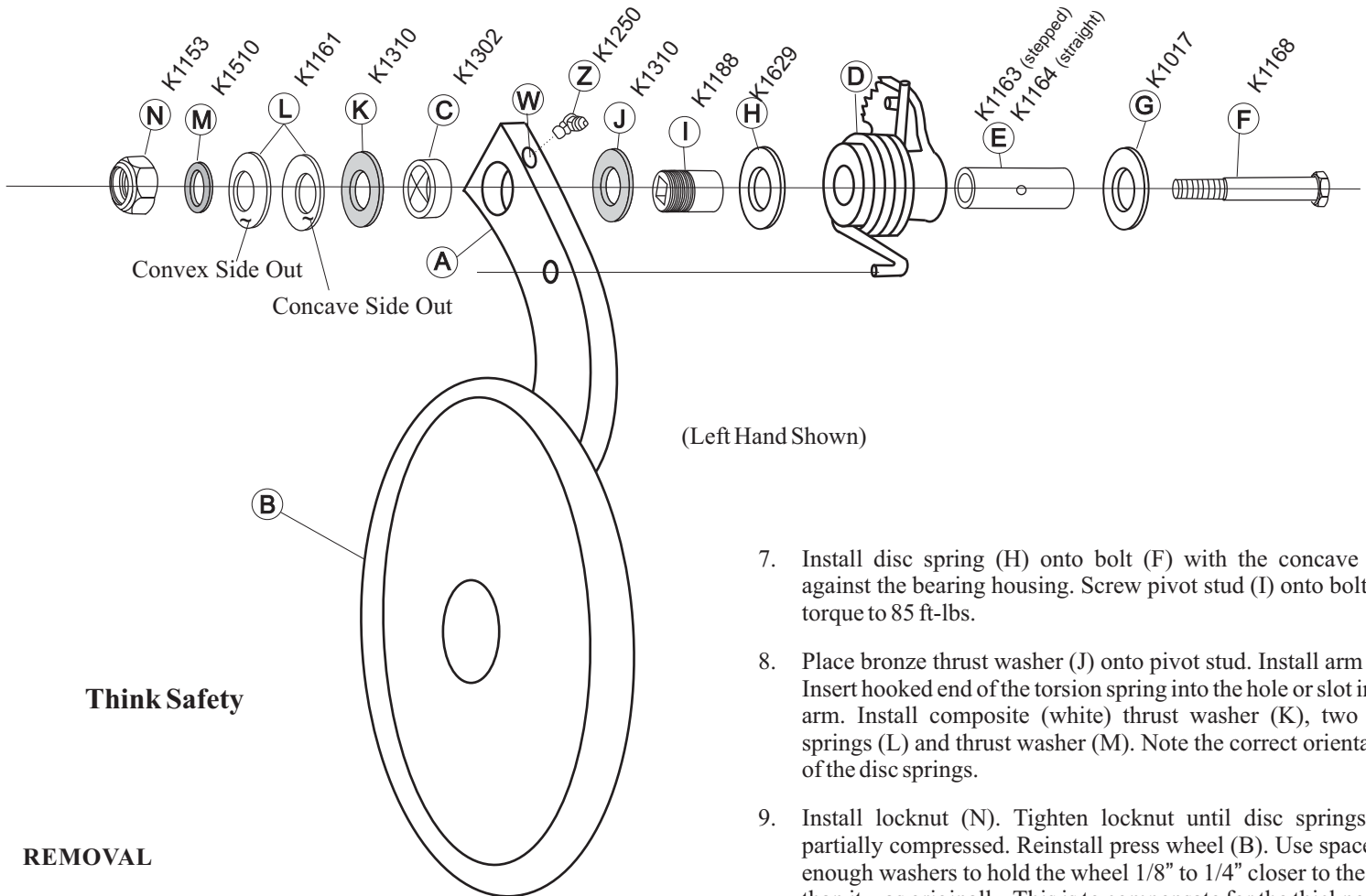


INSTRUCTIONS FOR INSTALLING THE R K P PRESS WHEEL PIVOT KIT ON JOHN DEERE 750 AND 1850 DRILLS

Before working on your drill review the safety section in your operators manual.



Think Safety

REMOVAL

1. Remove arm (A) with welded pivot pin from drill. Remove dirt from bore of bearing housing.
2. Remove press wheel (B) from arm (A).
3. Remove the pivot pin from the arm by grinding the welded end flush. Then press the pin through the arm.

INSTALL SLEEVE BEARING AND GREASE ZERK

4. Enlarge the 1" diameter hole by drilling to 1 1/4". Install sleeve bearing (C) into arm. It may be necessary to stake the sleeve bearing to keep it from slipping. Use a half round file on the I.D. of the sleeve bearing if necessary to make sure it will accept the pivot stud (I). Running a 1 1/64" drill through the bushing may be easier.
5. Drill a 13/64" hole (W) into bore of arm and sleeve bearing. Thread the hole with a 1/4 - 28 UNF tap. Install grease zerk (Z).

ASSEMBLY

6. Place bushing (E) in bearing housing (D). Place bolt (F) through flat washer (G) and bushing (E).

7. Install disc spring (H) onto bolt (F) with the concave side against the bearing housing. Screw pivot stud (I) onto bolt and torque to 85 ft-lbs.
8. Place bronze thrust washer (J) onto pivot stud. Install arm (A). Insert hooked end of the torsion spring into the hole or slot in the arm. Install composite (white) thrust washer (K), two disc springs (L) and thrust washer (M). Note the correct orientation of the disc springs.
9. Install locknut (N). Tighten locknut until disc springs are partially compressed. Reinstall press wheel (B). Use spacer or enough washers to hold the wheel 1/8" to 1/4" closer to the arm than it was originally. This is to compensate for the thickness of the disc spring (H) and thrust washer (J). The wheel should track approximately as before.

Note: If your drill is equipped with 12" press wheels and you have a problem with material wedging between the wheel and the arm, moving the wheel closer may aggravate the problem. If the problem is severe enough it may be necessary to convert to 10" wheels.

10. Grease zerk (Z). Grease at 50 hour intervals thereafter. Depending on your conditions, it may be beneficial to grease more frequently.
11. Tighten locknut (N) until disc springs (M) are compressed solid. Back off nut just enough to allow the arm to pivot freely. This should be no more than 1/6 of a turn. Always recheck pivot stud torque after turning the nut counterclockwise. Set torsion spring down pressure. It may be necessary to wire the end of the spring to prevent it from disengaging the lug.
12. As the parts wear in, disc spring pressure will relax. Occasionally make at least a visual check and increase spring pressure as required.