

FIELD UPGRADE INSTRUCTIONS

SCREW TORQUES

PURPOSE:

It is believed that external variables from mowing operations such as deck flex, vibration, blade shaft loading, etc. can reach levels of input onto the gearbox assembly which could cause premature failure. It appears that one factor alone may not be significant enough to cause a failure. However, a culmination of these factors can add enough stress or flex to the assembly and its internal components leading to component failures. It has been identified that Von Ruden assemblies built prior to 10/01/02 require increased strength in support. Those assemblies can be upgraded by increasing torques on assembly screws. All assemblies built after 10/01/02 are at this increased torque requirement.

GENERAL:

1. These repair instructions are based on the Walker P/N 7600-2. Parts for all assemblies are similar enough that methods carry through for all models.
2. These instructions are based on partial disassembly of the gearbox. If additional detailed instructions are required, one that steps through the breakdown of the blade drive by individual parts, refer to Walker Field Repair Instructions - Parts.
3. Field upgrade instructions involve removing, applying loctite and reinstalling connecting tube screws to an increased torque level.
4. Assemblies affected by this upgrade are all assemblies built prior to 10/01/02 which is indicated on the Von Ruden serial tag located on each assembly.

CONNECTING TUBE SCREWS:

1. Remove one 12-point screw at a time and apply LOCTITE® 262 or 277 (or equivalent) to the threads and reinstall. We recommend use of 5/16" 12-point torque adaptor (Snap-On® PN FRDH101). Torque to 260-300 lb.-in. (29-34 N-m). Do not torque screws beyond this maximum specification, keeping in mind the repeatability of your torque wrench. Assembly removal from deck may be required.
2. Repeat process until all screws have been processed. Alternate screws in a cross-hatch pattern.

