LRM6019 Spindle Bearing Repacking and Setting

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DANGER

Before performing any type of maintenance on this machine, carefully read* Chapter 1, Safety *in the LRM6019 User Manual.

Spindle Shaft/Bearings

DANGER

Read all Safety Precautions before performing any maintenance on this machine!!

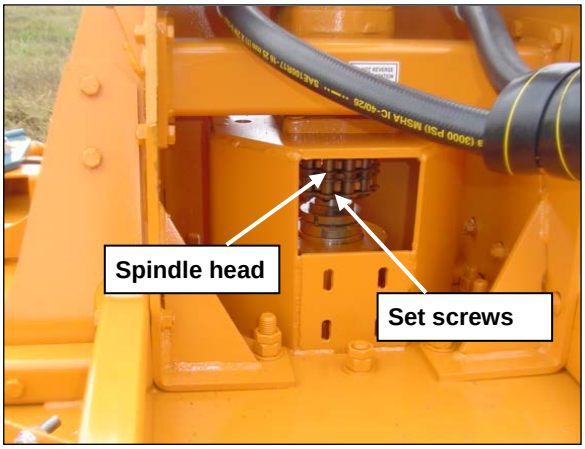
Check for end play in the spindle head by pushing the blade holder in and out towards the motor. End play must be between .000" and .002". If there is too much play, tighten with a spanner. If tightening does not fix the problem, the bearings may be worn and need to be replaced.

DANGER

NEVER check or perform maintenance on any part of the mower while the tractor is running. Make sure the tractor is in park and the key removed from the ignition before approaching the mower.

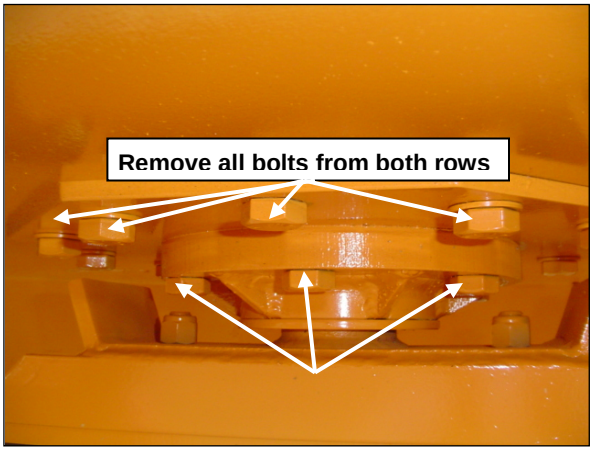
To replace:

1. Loosen the set screws.



2. Remove the blade holder.

3. To pull the spindle from its housing, loosen and remove the bolts holding the housing in from the underside of the mower platform.



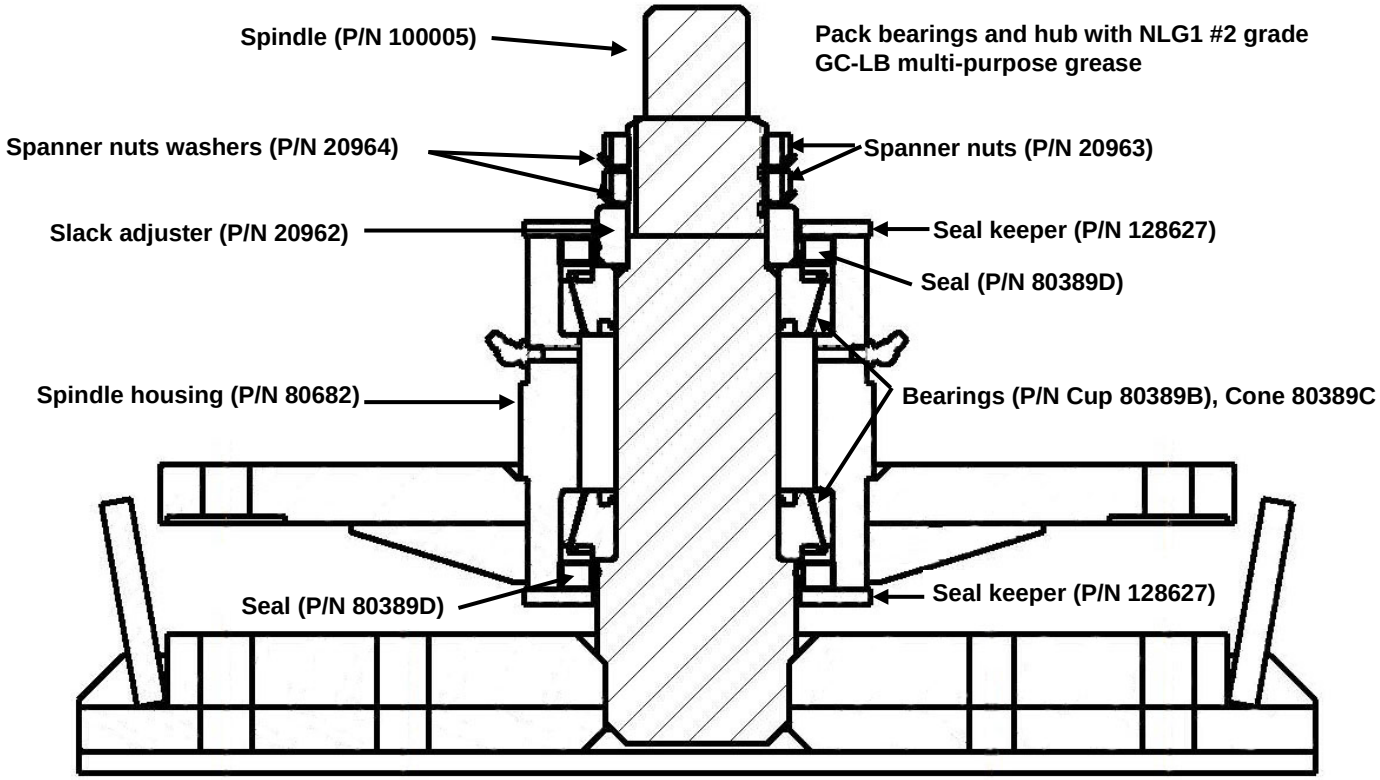
4. Replace/repack bearings; refer to the drawing and instructions on page 3.

5. Reassemble spindle housing according to instructions on page 4.

6. Reinstall spindle housing and spindle into mower deck; torque bolts to 400 ft-lb (dry) or 310 ft-lb (lubricated).

7. Reinstall blade holder; torque bolts to 400 ft-lb (dry) and 310 ft-lb (lubricated).

8. Retighten set screws.



Replace/Repack Bearings

⚠DANGER

Read all Safety Precautions before performing any maintenance on this machine!!

Refer to the drawing above:

1. Remove spanner nuts, spanner nut washers, and slack adjuster. Note that AMADAS advises replacing the spanner nut washers. An appropriately-sized wrench, part #80861, has been included with your mower.

NOTE! Mowers built prior to serial # 510500 originally used only one spanner nut washer (part # 80964). For these mowers, it is recommended that two spanner nut washers are used if the bearings are replaced.

2. Remove spindle.
3. Remove seal keepers and seals. Note that AMADAS advises replacing the seals.
4. Remove bearing cones.
5. Clean the spindle housing and inspect for wear or damage.
6. Remove the bearing cups from the spindle housing if necessary.
7. Clean bearings and inspect for wear or damage, and replace if necessary.
8. Repack bearings with NLGI #2 Grade GC-LB Multi-Purpose Lithium grease.

Reassemble Spindle Housing

⚠DANGER

Read all Safety Precautions before performing any maintenance on this machine!!

Refer to drawings on previous and following pages.

1. Reassemble the bearing cup, cone seal, and seal keeper at the bottom end of the spindle housing.

2. Lower the spindle housing onto the spindle. Make certain the bearing is fully seated.

3. Fill the cavity with approximately 9 ounces of grease.

4. Reinstall the upper bearing cone, seal, seal keeper, slack adjuster, one spanner nut washer, and one spanner nut.

5. Tighten the spanner nut until a rolling resistance is felt.

6. Roll the spindle housing back and forth to seat cones into cups while continuing to tighten spanner nut.

7. To insure proper bearing shaft seating, the spanner nut must be torqued to create a preload on the bearings. To create the preload:

NOTE! The spanner wrench was not included with mowers with serial numbers PRIOR to 510000. It can be ordered from AMADAS by part number (# 80878).

   a. Temporarily install a ¾" x 3" long bolt into the blade holder bar five inches from the center point as shown in the top drawing on the following page. Tighten to 100 ft lbs.

   b. While holding the spanner nut with the provided wrench, use a torque wrench to tighten the previously installed bolt to 10 ft lbs.

   c. Turn the spindle back and forth to help seat cones. Re-torque and turn the spindle again.

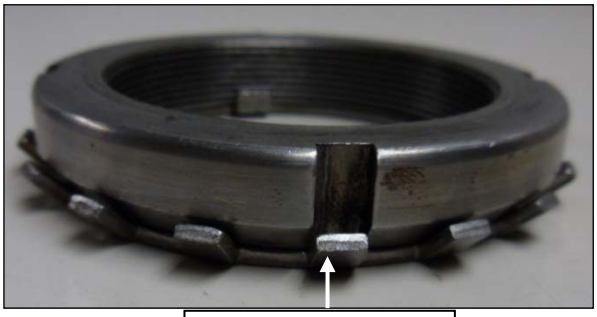
   d. Repeat Step c, re-torquing until the bolt torque stays constant at 10 ft lbs.

8. Adjust the spanner nut to nearest outer tab and using a punch and hammer, bend the tab to lock the spanner nut to spindle.

9. Install second spanner nut washer.

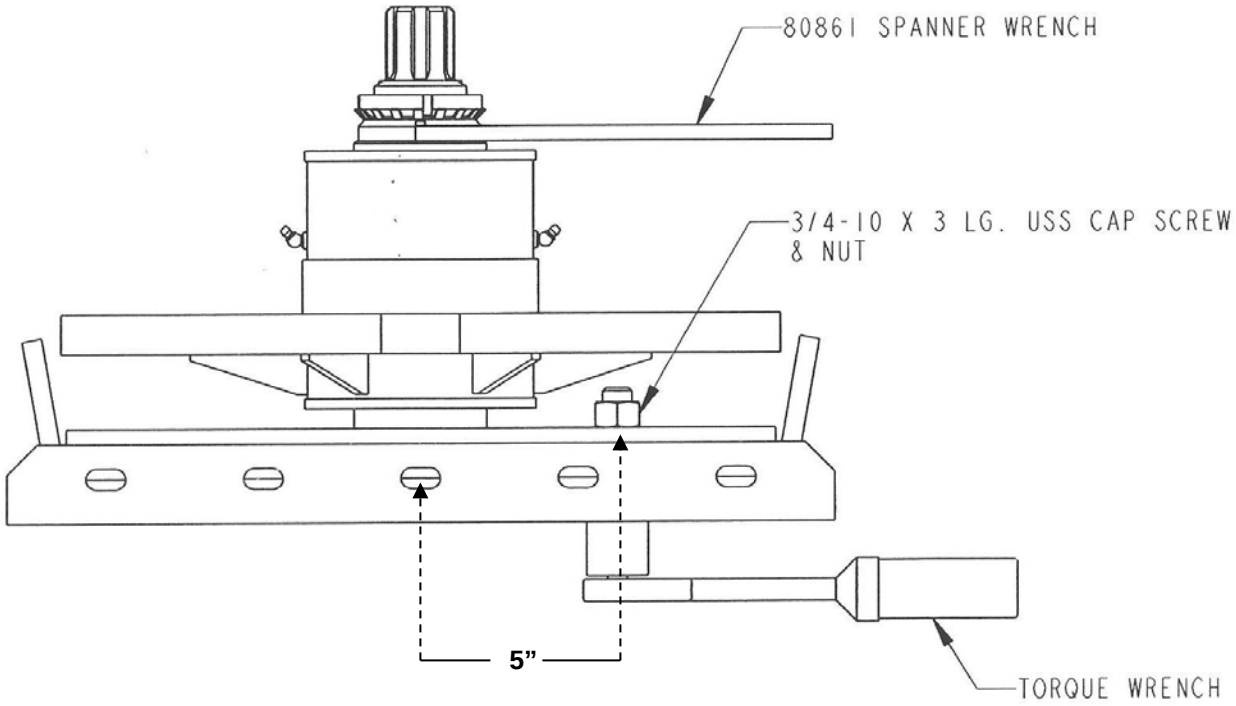
10. Install the second spanner nut as a jam nut and tighten with the provided wrench.

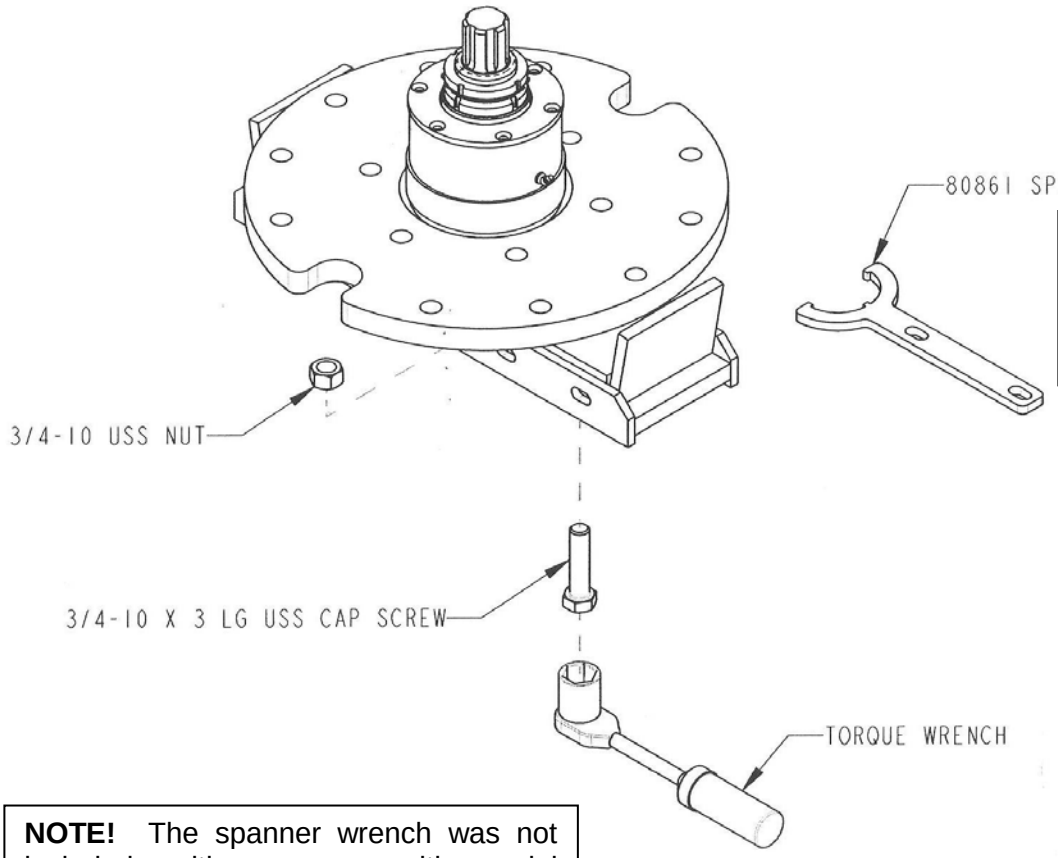
11. Using a punch and hammer, bend the tab up on the washer into the slot to lock second spanner nut.



Bend tab up into slot

12. Remove the ¾" x 3" long bolt installed in Step 7a.

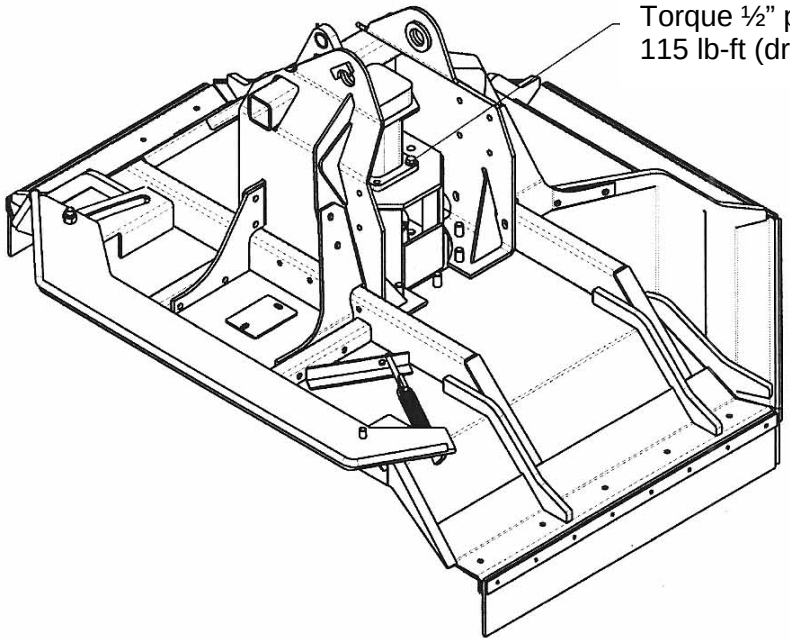


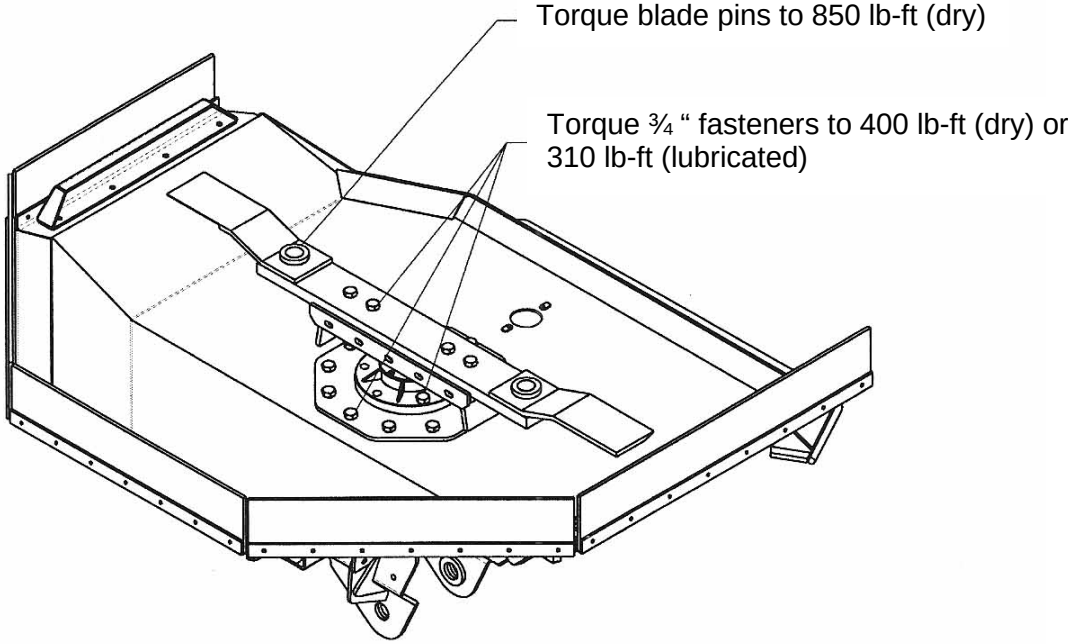


NOTE! 80861 is the part # for 510000 and above. 80878 is the part # prior to 510000.

NOTE! The spanner wrench was not included with mowers with serial numbers PRIOR to 510000. It can be ordered from AMADAS by part number.

Torque Specifications



⚠ WARNING

To prevent injury or damage to equipment, follow torque specifications.