210 Inverness Center Parkway
Birmingham, AL 35242

Telephone: 205-991-7733
Facsimile: 205-991-9993
www.altec.com

This notice applies to your vehicle. See SIL for specific unit identification.

April 20, 2020

Dear Altec Owner,

Altec Industries, Inc. has developed a product improvement which relates to certain LS60 Units.

Refer to SIL 753 for items covered under the warranty policy. Altec will supply necessary parts to correct this condition.

In order to determine if your unit is affected by SIL 753, compare the serial number of your unit with the list of affected units as described on the SIL. The product improvement can be performed by the customer or you may contact Altec at 1-877-GO-ALTEC (1-877-462-5832) for further assistance.

At any time, you may contact Altec at 1-877 GO ALTEC (1-877-462-5832) with your unit's serial number to determine if there are any other outstanding notices.

If you have sold or retired the unit please call Altec at 1-877-GO-ALTEC (1-877-462-5832) so the records may be changed.

We regret this inconvenience; however we are taking this action in the interest of your safety and continued satisfaction with Altec products.

Thank you for your immediate attention on this important matter.

Altec Industries, Inc.
HiLine Operations
Duluth, MN

SIL 753

Service Information Letter

April 20, 2020

Units Affected: LS60 units (see attached list)

Maintenance Manual Correction

Altec is committed to providing our customers reliable products from initial delivery throughout the useful life of the machine.

Altec discovered that the torque requirement for the inner race rotation bearing bolts for the LS60 was incorrect on one of the pages in the Maintenance Manual. The correct torque requirement is 300 foot-pounds (407 N.m). In the two manuals included with the affected units, the torque requirement is incorrectly stated at 365 foot-pounds (496 N.m) on page 24.

Two replacement pages stating the correct torque value are included with this SIL. Altec requires that the original page 24 be removed from each of the two maintenance manuals in the three ring binders and the replacement page be inserted in its place. This replacement should be completed no later than 30 days from receipt of this SIL. If additional maintenance manuals are required for multiple units, two-sided copies can be made and used for replacement.

After completing the manual update, complete and return the SIL 753 Completion form on page 2 of this SIL to Altec.

Call 1-877-GO ALTEC (1-877-462-5832) and select prompt 4, Technical Support, with questions.

Altec Use Only	
Inspection labor	0.25 hr
Repair labor	0.0 hr
Account #	010.1953.43151.786.0000.000
Travel	Not Included
NHTSA code	None
Prime fail P/N	None
Doc ref	None

Parts Kit	Part Number	Qty	Warranty
None	None	0	No

SIL 753 Completion

Complete this form and return to Altec to document inspection completion.

Choose one of these options.

- Online through the customer portal – Altec Connect*
  Sign in or Register for an account at www.altec.com/altec-connect/
  1. Select Equipment
  2. Select Altec Product Notices
  3. Select Report a Completed APN
- Scan and Email to product.safety@altec.com
- FAX to 1-877-659-9929

To login to your existing Altec Connect account, scan here with your smart phone!

*Customer performed warranty can be submitted online for reimbursement through Altec Connect.

Model	Altec Unit Serial Number	Date Maintenance Manual Update is Completed

Company Name: _____ Phone _____

Service Company Name: _____ Phone: _____

Company Contact: _____

Company Street Address: _____

State: _____ ZIP Code: _____

Signature: _____

Submission of this form does not order parts or schedule service from Altec.

If the customer or the customer's warranty provider performs the repair, a warranty claim must be submitted to be reimbursed for the cost of the parts and/or labor through Altec Connect.

For more information or to schedule the work to be done by an Altec Service technician call:
1-877-GO ALTEC (1-877-462-5832)

Make copies of this form for additional units if needed.

Anti-seize compound may be used to prevent rust and corrosion from forming on the metal-to-metal contact areas between a connecting pin and its boss. It is also recommended for certain fasteners to reduce friction during torquing to increase clamping load. Apply anti-seize compound to the following components.

- Pump input spline shafts
- Outrigger cylinder and shoe pins
- Rotation gearbox eccentric ring
- Winch drum shaft/keys/set screws/line anchor
- Boom pivot pin
- Lifting cylinder pins
- Outer extension cylinder pins
- Outer extension cylinder octagon collars
- Inner extension cylinder pins
- Inner extension cylinder octagon collars
- Leveling pivot pins and wedge bracket pivot pins

The area on which the anti-seize is applied must be clean and dry for the anti-seize to be effective.

Pins used with self-lubricating bearings require special attention. Apply anti-seize compound to the surface of the pin only where the pin and steel bin bosses make contact. This pin installation procedure is described under Pins and Pin Retainers in this section.

Rotation Bearing Cap Screws

Grade 8 cap screws are used to secure the rotation bearing to the pedestal and turntable. These cap screws are coated with a dry film lubricant and have a patch lock material permanently bonded to the threads. The torque value for the outer race cap screws that secure the rotation bearing to the pedestal is 260 foot-pounds (353 N•m). The torque value for the inner race cap screws that secure the rotation bearing to the turntable is 300 foot pounds (407 N•m). The cap screws require special inspection procedures.

NOTICE

Only use Altec supplied cap screws and washers to install the rotation bearing.

When rotation bearing cap screws or washers are removed, they must be replaced with new ones. Contact your Altec representative for replacement fasteners.

Insufficient or uneven cap screw tightness can contribute to reduced life of the bearing.

CAUTION

Injury can result from being pinched or trapped between moving components. Keep hands clear.

Use caution when covers have been removed to service the unit. Pinch points and shear points may exist between moving parts. Replace the covers immediately after servicing.

NOTICE

Use an accurate, click-type manual torque wrench for the inspection of these cap screws. Torque the cap screws by a smooth pull on the torque wrench without jerking. Do not overtighten the cap screws.

If any cap screws are broken or missing, replace all the fasteners in that race (refer to Section 6 under Rotation Bearing Cap Screws). If a cap screw will not remain properly torqued between normal inspections, further inspection may be required.

Impacts to and excessive forces on the unit due to vehicular accidents, rollovers, and excessive loading may result in structural damage not obvious during a visual inspection. A more detailed inspection by a qualified individual may be required to determine if replacement of the rotation bearing and fasteners is required.

Visual Inspection Procedure

Perform this visual inspection procedure as recommended by the Preventive Maintenance and Inspection Checklist.

Visually inspect all rotation bearing cap screws, looking for any evidence that a cap screw is loose. Check for loose washers under the heads of the cap screws by trying to turn each washer by hand. If movement is indicated, all the cap screws must be retorqued using the retorquing procedure.

Annual Torque Inspection Procedure

Check the cap screws to be sure they are torqued to 90 percent of the normal installation torque. Use a regularly calibrated, accurate torque wrench. If one or more of these cap screws turns before the wrench clicks, check the torque on the cap screws as described under Retorquing Procedure in this section. If the rotation bearing is replaced or removed, the same inspection intervals must be followed.

Retorquing Procedure

Perform this procedure on the entire bearing race (outer, inner, or both) if any cap screws were found loose at the visual or annual inspections.

Some components may need to be removed to make the rotation bearing cap screws accessible for retorquing. It is important that experienced, trained mechanics perform this procedure.

1. Retorque according to the appropriate pattern shown in Figure 4.9 for the inner and outer race.

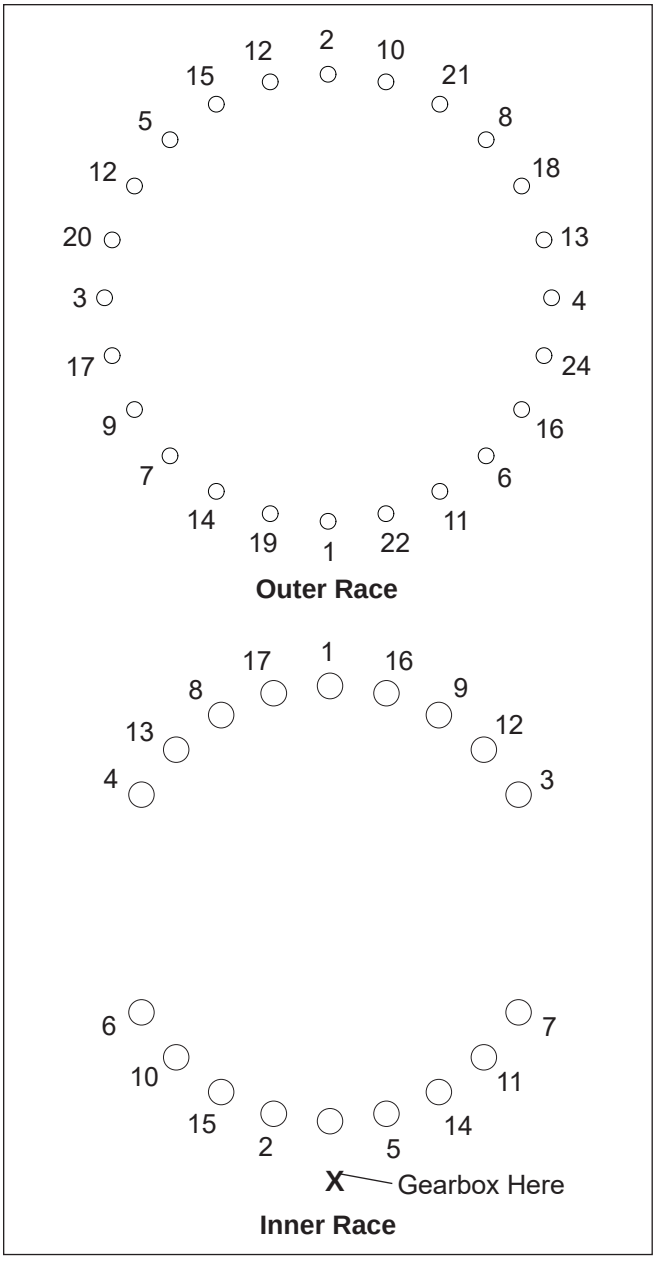

Figure 4.9 — Cap Screw Torque Patterns

2. Torque cap screw number 1 on the outer race to 260 foot-pounds (353 N•m).

3. Continue around the pattern, torquing each cap screw to 260 foot-pounds (353 N•m).

4. Torque cap screw number 2 on the inner race to 300 foot-pounds (407 N•m). There is not a cap screw in the number 1 position.

5. Continue around the pattern, torquing each cap screw to 300 foot-pounds (407 N•m).

6. Beginning at number 1 on the outer race, torque all outer race cap screws to 260 foot-pounds (353 N•m) again. Go around in a circular pattern this time instead of the numbered order.

7. Beginning at number 2 on the inner race, torque all inner race cap screws to 300 foot-pounds (407 N•m) again. Go around in a circular pattern this time instead of the numbered order.

Rotation Gearbox Mounting Cap Screws

Special cap screws are used to secure the rotation gearbox to the turntable. The torque value for the cap screws is 150 foot-pounds (203 N•m). The cap screws require special inspection procedures.

Insufficient or uneven cap screw tightness can contribute to reduced life of the gearbox.

⚠ CAUTION

Injury can result from being pinched or trapped between moving components. Keep hands clear.

Use caution when covers have been removed to service the unit. Pinch points and shear points may exist between moving parts. Replace the covers immediately after servicing.

NOTICE

Only use Altec supplied cap screws and washers to install the rotation gearbox.

Use an accurate, drive click-type manual torque wrench for the inspection of these cap screws. Torque the cap screws by a smooth pull on the torque wrench without jerking. Do not overtighten the cap screws.

Visual Inspection Procedure

Perform this visual inspection procedure as recommended by the Preventive Maintenance and Inspection Checklist.

Visually inspect all rotation gearbox cap screws, looking for any evidence that a cap screw is loose. Check for loose washers under the heads of the cap screws by trying to turn each washer by hand. If movement is indicated, retorque all the cap screws.

Annual Torque Inspection Procedure

Check the cap screws to be sure they are torqued to 90 percent of the normal installation torque. Use a regularly calibrated, accurate torque wrench. If one or more of these cap screws turns before the wrench clicks, retorque all the cap screws. If the rotation gearbox is replaced or removed, follow the same inspection intervals.