

Product Update Notice

Date: August 15, 2018

Units Affected: AC18, AC23, AC26, AC28, AC30, AC35, AC38, AC40, AC45

Boom Disassembly Service Interval

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

The Preventive Maintenance and Inspection Checklist in the maintenance manual for the affected units currently requires the boom to be disassembled every five years. The disassembly allows for the inspection of the boom internal components. These components include extend and retract cables, sheaves, pins, slide pads, extension cylinder, hydraulic hoses and fittings, and the structural boom components.

Altec has determined the five year disassembly interval can be extended to ten years. As a result, the maintenance manuals for the affected units have been updated to require the boom disassembly every ten years.

The boom disassembly interval change is the result of inspecting the internal components after the five year period. The inspections led to the following conclusions after five years:

- Slide pads did not show enough wear to require replacement
- The sheaves, pins, and bearings did not show signs of damage or wear to require replacement
- Extend cables did not show signs of stretching or wire damage
- Severe corrosion of the boom cables did not appear, if properly lubricated

The combination of the boom disassembly inspections and internal testing resulted in Altec changing the boom disassembly interval from five to ten years. Boom disassembly is required every ten years, regardless of PTO hours, because a unit can still suffer from corrosion while not in use.

Cable Inspection Expansion

Altec is also adding three items to the inspection of boom cables in the maintenance manual to better inspect the wire rope for failure.

- Kinking, bird caging, crushing, twisting, or other damage that results in permanent distortion of the rope structure

- One broken outer wire at the point of contact with the rope core causing the wire to protrude or loop out from the rope structure (further investigation of core damage is required)
- Any abnormal wear or damage that results in a discernible loss of wire strength

Instructions have been provided for how to inspect internal boom cables without disassembling the boom. These checks should be performed every 6 Months/500 PTO Hours. The instructions have been added to the wire rope inspection portion of the unit maintenance manual.

Future Inspections

Any affected units can have the boom inspection in one of two periods.

- Units with booms that have not had the boom disassembled, and are currently scheduled to have a five year disassembly, can be rescheduled to comply with the new ten year interval.
- Units that have had a five year disassembly already performed, prior to this PUN, can have their next boom disassembly scheduled ten years from the date of their last boom disassembly