LR7 Series

EN08-1

Preventive Maintenance and Inspection Checklist

Vehicle No. 027-35992147 Location Calgary Service Center Date 10/2/2024

Service Request # 6419650 Model # LR7-58 Serial # 0815FF4208

Odometer 90525km Hours Meter PTO 5326hr Inspector Shayne Schlosser

Open Altec Product Notices N/A

Check for Altec Product Notices or other applicable documents provided by Altec for servicing the unit by calling 1-877-GO ALTEC (1-877-462-5832) or by contacting altec.connect@altec.com.

Perform all inspections, adjustments, repairs, and lubrication according to the specifications in all unit maintenance and/or service manuals. If tracking PTO hours using an approved method or device, follow the recommended hourly maintenance intervals. If performing maintenance based upon a calendar based schedule, follow the recommended monthly intervals. The required items apply to both tracking methods.

Intervals

- ☐ Prior to placing the unit in service
- ☑ 1,000 PTO hours/1 year
- ☐ 85 PTO hours/1 month
- ☐ 2,000 PTO hours/2 years
- ☐ 500 PTO hours/6 months
- ☐ Required maintenance

Symbols

✓/O = Okay or completed
U = Unsafe to operate
C = Corrected by inspector
N/A = Not applicable
R = Repair or replacement required

Prior to Placing the Unit in Service			
N/A	Perform the Preoperational Inspection (refer to the Operator's Manual)	**Rotation Bearing**	
		O	Turntable tilt measurement[2]: 0.065"
Hydraulic Reservoir and System			
N/A	Check oil and collect oil sample for analysis[1]		
85 PTO Hours/1 Month			
O	Perform the Preoperational Inspection (refer to the Operator's Manual)	**General Condition**	
		O	Clean debris from around upper boom cylinders
Hydraulic Reservoir		O	Clean debris from around platform leveling sprockets
O	Oil level	O	Clean debris and obstructions from around elevator
Fiberglass		**Manuals**	
O	Upper boom cleanliness	O	Operator's Manual present
O	Upper boom surface damage	O	Safety and Sentry documents present
O	Lower boom insulator cleanliness	**Lubrication**	
O	Lower boom insulator surface damage	O	Lower boom cylinder spherical bearings
Hydraulic System		O	Rotation bearing ball race
O	No leaks at pedestal	O	Upper boom cylinder pivot bearing (base end)
O	No leaks at turntable	O	Lower boom cylinder pivot bearings (LR752 only)
R	No leaks at platform	O	Elevator cylinder pivot bearings
O	No leaks at hose connections in lower boom	O	Rotation pinion and rotation bearing gear teeth
500 PTO Hours/6 Months			
O	Perform the 85 hour/1 month inspection	**Supplemental Brake Lock**	
PTO		N/A	Operation (holding, bleed-off)
O	Operation	**Pump**	
O	Noise level	O	Noise level
O	No leaks	R	No leaks
O	Mounting bolts tight	O	Mounting bolts tight

O	Four bolt flange bolts tight	O	Control valves (operation, no leaks)
N/A	Drive line	**Hydraulic System Pressure**	
Battery		O	Main system pressure 3000
O	Mounting (vertically and horizontally secure)	R	Maximum tool system pressure 2314
O	Electrical connection (secure, no corrosion)	O	Standby pressure 258
O	Routing (cables do not cross, fuses secure)	**Lower Control Station**	
All Electrical		O	Placards (condition, readable)
O	Components and wiring (clearances, tightness, support, no insulation damage)	O	Lower control valve (operation, no leaks)
		N/A	Secondary stowage DC pump (operation, no leaks)
O	Connections (secure, no corrosion)	O	Station selector valve (operation, no leaks)
Unit Mounting		**Pedestal**	
O	Visual inspection of mounting fasteners	O	Structure (welds intact, no deformation or cracks)
O	Subbase mounting (fasteners secure, welds intact, no cracks)	O	Hoses and tubes (routing, condition)
		O	No leaks
O	Subbase structure (welds intact, no cracks)	O	Rotary joint drive pin (condition, cotter pin in place)
O	Pedestal mounting (welds intact, no cracks, bolts tight)	O	Rotary joint mounting bolts tight
O	Pedestal structure (welds intact, cracks)	**Turntable**	
O	Boom rest (welds intact, no deformation or cracks)	O	Structure (welds intact, no deformation or cracks)
O	Body mounting (bolts tight, welds intact, no cracks)	O	Lower boom pin (forged pin retainer condition, bolt tight and retaining rings in place)
Hydraulic Reservoir			
O	Mounting (cap screws tight, welds intact, no cracks)	O	Lower boom cylinder pivot pin (retainer condition, bolt tight and retaining rings in place)
O	No leaks		
O	Shutoff valve fully open	O	Hoses and tubes (routing, condition) no leaks
O	Drain water from bottom	O	Leveling chain anchor weldment (cap screws and nuts tight)
Filters			
O	Change return line filter	O	Rotary joint (loose mounting bolts)
Chassis Winch		N/A	Slip ring (loose mounting bolts)
N/A	Mounting secure	**Rotation Bearing and Gearbox**	
N/A	Drive line	O	Rotation bearing cap screws visual inspection
N/A	Gearbox (oil level)	O	No leaks
N/A	Brake (oil level)	O	Pinion gear teeth condition
N/A	Operation	O	Rotation bearing gear teeth condition
N/A	No leaks	O	Gearbox mounting bolts visual inspection
N/A	Winch line	O	Rotation motor mounting bolts tight
N/A	Winch line anchor point	O	Operation (smoothness and noise level)
Outriggers		O	Check eccentric ring lock bar bolt tightness
O	Mounting (welds intact, no deformation or cracks)	O	Gearbox internal lost motion
O	Outrigger motion alarm (operation)	O	Rotation bearing inspection and measurement [*after* 0.050" (1.27 mm) increased wear from initial measurement][2]
O	Aerial device/outriggers selector valve (operation, no leaks)		
O	Outrigger interlock system (operation holding w/o drift)		
O	Check cylinder for signs of rubbing	**Lower Boom Cylinder**	
O	Structures (welds intact, no deformation or cracks)	O	Bearings secure within cylinder eyes
O	Pins and retainers secure, retaining cap screws tight	O	Operation
O	No leaks	O	No leaks
O	Hoses and tubes (routing and condition)	O	Holding valves (operation, no leaks)
O	Placards (condition, readable)	O	Chromed rod condition

Lower Boom	
O	Structure (welds intact, no deformation or cracks)
O	Lower cylinder pivot pin (retainer condition, bolt tight and retaining rings in place)
O	Visually inspect leveling chains/rods
O	Visually inspect jam nuts on leveling chain turnbuckles (in place, tight)
O	Remove any debris from inside lower boom
O	Covers in place
O	Insulator fasteners tight
O	Lower boom cylinder pivot pins
O	Slide pad bearings (loose cap screws)
O	Lower boom pin
N/A	Extension cylinder mounting (loose cap screws)
N/A	Lower platform leveling cylinder mounting pins
N/A	Boom slide blocks (cap screws tight, wear)
Upper Boom Cylinders	
O	Cylinder attachment pins (retainer condition, bolts tight with retaining rings in place)
O	Bearings secure within cylinder eyes (base end)
O	Operation
O	No leaks
O	Holding valves (operation, no leaks)
O	Chromed rod condition
O	Pin retainers secure
Elbow	
O	Measure upper boom drive link bearing wear
O	Elbow cover (in place, condition)
O	Upper boom drive mechanism link pins (retaining rings in place, bolts tight, welds intact on flanges)
O	Elbow bearing visual inspection
O	Elbow leveling chain sprocket (retaining ring and key in place, socket head cap screws tight)
O	Leveling system pivot tube (cap screws tight)
O	Elbow pivot pin (retainer condition, cap screw secure)
Upper Boom	
O	Structure (welds intact, no deformation or cracks)
O	Fiberglass condition (clean, undamaged)
O	Visually inspect jam nuts on leveling chain turnbuckle for tightness
O	Visually inspect leveling chains/rods
O	Hose assembly (routings, condition)
O	No leaks
O	All covers in place
O	Upper boom stow lock down strap (condition, all parts in place, lock works)
R	Upper boom stow pad (condition, in place)
O	Boom tip weldment (welds intact, no deformation or cracks)
O	Visually inspect the boom tip fasteners for tightness
O	Lanyard attachment welds
O	Loose boom tip sprocket
Parallel Links and Elevator Arms (LR760E70 units)	
N/A	Structure (welds intact, no deformation or cracks)
N/A	Pivot pins (retainer condition, no deformation)
Elevator Pedestals	
N/A	Wear pads (condition, mounting)
Boom Tip	
O	Platform pin
N/A	Hydraulic leveling cylinder (operation, mounting)
O	Boom tip weldment (welds intact, no deformation or cracks)
Platform	
O	Mounting bracket (welds intact, no deformation or cracks)
O	Mounting bracket covers (condition, mounting)
O	Platform mounting bolts tight
O	Lanyard attachment welds
R	Platform (condition, cleanliness)
N/A	Platform angle (leveling system tension correct)
R	Liner (condition, cleanliness)
N/A	Platform liner retention system (condition, in place)
R	Placards (condition, in place, readable)
R	Platform cover (condition, mounting)
R	Platform control cover (condition, mounting)
R	Valve cover (condition, mounting)
O	Hoses (no leaks, routing, not pinched or pulled)
O	Fall protection system (condition, in place)
N/A	Platform accessory mounting brackets, i.e. saw or pruner (condition, mounting)
Platform Rotator	
N/A	Operation
N/A	No leaks
N/A	Fasteners (check for tightness)
N/A	Rotary actuator (inner/outer cap screws in place and tight)
Platform Tilt System	
N/A	No leaks
N/A	Operation
N/A	Tilt bracket (welds intact, deformation or cracks)
N/A	Tilt bracket covers
Upper Controls Station	
O	Operation (metering, proper direction)
R	Operation placard (condition, readable)

O	No leaks	O	Hoses (condition, routing, no leaks)
O	Mechanical linkage (operation, lubrication)	O	Operation
O	Hydraulic emergency stop (operation)	N/A	Hose reel operation
O	Interlock linkage (adjustment)	**Lubrication**	
O	Rubber boot	O	Outrigger inner leg outer surface
Tool Circuits		O	Control handle linkage
O	Quick disconnects (condition, operation, no leaks)	O	Leveling chains
R	Quick disconnect dust caps (condition, in place)	O	Rotation gearbox output shaft upper bearing
Required Maintenance (Regardless of Hours)			
Annual Testing		N/A	Test hydraulic temperature indicator system functionality (if equipped) by activating test switch located in cab, with the chassis running and the PTO engaged; visually inspect temperature sensors and lead wires for damage
O	Dielectric test unit		
R	Dielectric test platform liner(s)		
O	Confirmation test of single handle control(s)		
N/A	Atmospheric vents (visually inspect all, verify operation)		
1,000 PTO Hours/1 Year			
Chassis Underside		R	Placards (condition and readable)
O	Hoses (routing, condition, no leaks)	**Pedestal**	
O	Exhaust shields	O	Rotary joint mounting bolts tight
Hydraulic Reservoir and System		**Lower Boom**	
O	Drain water from bottom of reservoir	O	Insulator fasteners tight
N/A	Collect oil sample for analysis[1]	**Gearbox**	
O	Clean suction filter element	O	Rotation gearbox mounting cap screw annual torque inspection
O	Reservoir cover gasket (condition)		
N/A	Change filler breather cap	**Elbow**	
O	Clean or change filler hole strainer	O	Upper boom drive link bearings (use link gauge or with pin-to-pin measurement)
Rotation Bearing			
O	Cap screw annual torque inspection	**Fiberglass**	
O	Rotation bearing inspection and measurement [*before* 0.050" (1.27 mm) increased wear from initial measurement][2]	R	Seal between insert and steel tubes
		R	Insert is clean and waxed
		O	Insert bond
Upper Boom Tip		O	Seal between upper boom and steel tube
O	Mounting to upper boom secure	**Structures**	
Upper Controls		O	All structures and welds included on 500 hour/6 month checklist (no significant corrosion)
O	Hoses and tubes (routing, condition)		
2,000 PTO Hours/2 Years			
	Perform the 1,000 hour/1 year inspection		Clean suction filter
Hydraulic Reservoir and System		**Rotation Bearing and Gearbox**	
	Change hydraulic oil		Pinion to rotation bearing gear backlash
	Flush hydraulic system	**Lubrication**	
	Clean inside of reservoir		Pump input shaft splines

[1] Periodic laboratory analysis is the most accurate method of determining the condition of the hydraulic oil and when it should be changed. If laboratory analysis is used, take a baseline sample. Compare future lab tests on subsequent samples to the original to establish a trend.

[2] Initially measure turntable tilt as a baseline. Check rotation bearing wear every year until it measures 0.050" (1.27 mm) increased wear from initial measurements. After reaching 0.050" (1.27 mm) increased wear, measure every 6 months. Refer to the Maintenance Manual for the proper procedure. Record measurements in the Rotation Bearing Maintenance Log.

Deficiency Report

SR# 6419650 Serial# 0815FF4208 Page 1 of 2

Customer: Arbor Tech Date 10/2/2024 Technician: Shayne Schlosser

Item#	Def. Type[1]		Deficiency Description	Troubleshoot	Replace	Repair	Est. Hrs
1	D S		Left rear strobe n/w - Replace strobe or repair wiring as required after troubleshooting REPAIRS COMPLETED	T.S.			0.5
2	D N S		Forestry cover loose, reattach				2.0
3	D D S		****SAFETY**** Repair the seal between the lower boom fiberglass and the metal section REPAIRS COMPLETED			Repair	3.0
4	D D S		NOTE- Liner edge broken, cannot test- SUGGEST REPLACING LINER ON ORDER			Replac	0
5	D D S		Missing placards at platform			Replac	1.0
6	D M S		Dust caps for the tool circuit missing			Replac	0.3
7	D N S		Debris in the pedestal and upper controls - remove COMPLETED			Repair	0.5
8	D N S		Adjust the dump box prop rod, out of alignment COMPLETED			Repair	1.0
9	D D S		Lower boom rest bracket broken- 070118060			Replac	0.5
10	D N S		All box access door strikers loose and misaligned D/side door cotter pin missing			Repair	2.0
11	D D S		**** SAFETY ITEM**** PTO and pump require replacement - leak and worn mating splines REPAIRED			Replac	6.0
12	D D S		Dump box frame rail bent - repair REPAIRED			Repair	4.0

[1] **Deficiency Type:** **D** – Damage; **S** – Sublet; **M** – Missing; **N** – Note

Deficiency Report **SR#** 6419650 Serial# 0815FF4208

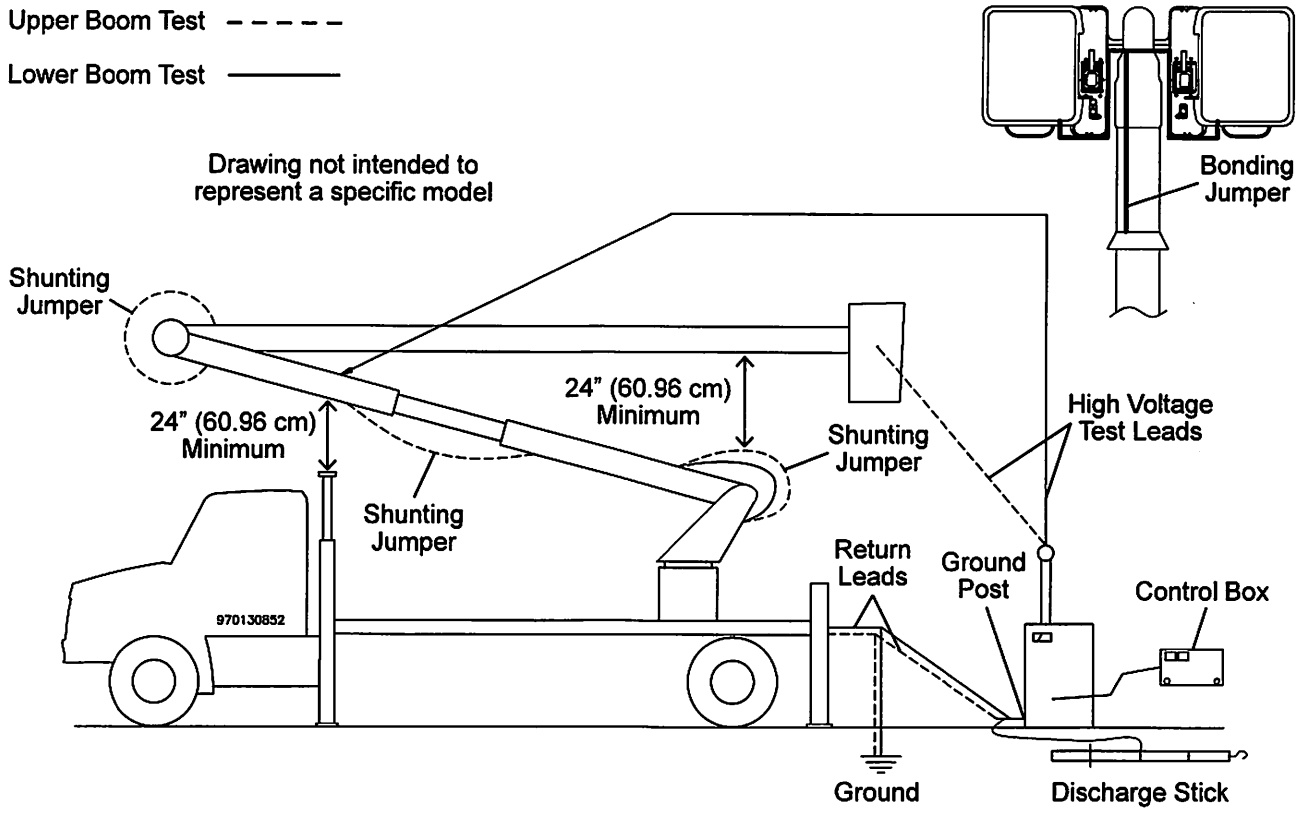
Item#	Def. Type[1]		Deficiency Description	Troubleshoot	Replace	Repair	Est. Hrs
13	M		Nylon bolts missing at upper platform cover, bracket bent	Repair			0.5
14	N		Adjust tool circuit pressure to 2000psi - at 2300 REPAIRED	Repair			0.5

[1]**Deficiency Type:** **D** – Damage; **S** – Sublet; **M** – Missing; **N** – Note

DC Periodic Dielectric Test Form For All Category A, B, and C Insulating Articulating Aerials

Upper Boom Test - - - - -

Lower Boom Test ———



Keep a dated and signed service record for a period of five years or as required by applicable regulations.

1. Read and understand the dielectric test information in the Maintenance Manual, ANSI requirements, and the manual for the test device being used.
2. This procedure is for a DC test device with output current metering. However, some manufacturers use low-side current metering in series with the output as an equivalent or more conservative approach to output current metering. If equipped with a selector switch, set the switch to Ground Return.
3. The test area should be dry and appropriately roped off to prevent bystanders from entering the test area.
4. If equipped, visually inspect the atmospheric vents, and verify proper operation of each vent.
5. Visually inspect the inside of the insulating boom for cleanliness and foreign materials that could compromise the insulating properties of the component or system.
6. Operate the boom and platform functions to fill the hydraulic lines with oil.
7. Ground chassis, test device or control box, and discharge stick (if equipped) as shown.
8. No isolation pads are required under the vehicle tires or outriggers.
9. Electrically bond all metal at the boom tip to ensure all possible current paths are considered. Include all conductive brackets, air plunger switches, hydraulic valves, controls, cylinders, jib brackets, etc.
10. On Category A units with a nonconductive platform, install and bond a metal liner.
11. Attach the high voltage test lead and shunting jumpers as shown for the upper and lower boom test.
12. It is not necessary to use the meter receptacle on the upper boom of Category A and B aerial devices for the upper boom test. However, whether the meter receptacle is used or not, all internal connections to this receptacle must be checked to verify that all current paths through the boom are properly connected to ensure proper function.
13. Set up booms to maintain at least 24" (60.96 cm) of clearance between conductive components as shown.
14. Voltage and maximum allowable leakage for the upper boom test are as follows.
    a. Category C – 46 kV and below – 56 microamps at 56 kV after 3 minutes
    b. Category A/B – 46 kV and below – 28 microamps at 56 kV after 3 minutes
    c. Category A/B – 69 kV – 42 microamps at 84 kV after 3 minutes
    d. Category A/B – 138 kV – 84 microamps at 168 kV after 3 minutes

15. Voltage and maximum allowable leakage for the lower boom test is 100 microamps at 50 kV.
16. To test the upper boom, gradually increase the voltage to the proper level. Hold for three minutes. If flashover occurs or the leakage rate exceeds the maximum value, the unit has failed the test. Record leakage current. A leakage of zero microamps is typically not a passing test. Check test setup and/or test equipment.
17. To test the lower boom, it may be helpful, though not required, to move the boom to a more vertical position to help keep the high voltage lead from contacting the ground or other conductive components. Gradually increase the voltage to 50 kV. Hold for three minutes. If flashover occurs or the leakage rate exceeds 100 microamps, the unit has failed the test. Record leakage current. A leakage of zero microamps is typically not a passing test. Check test setup and/or test equipment.

Test performed by: Altec CSC Other (specify) _____

Service request # 6419650 Altec model # LR7-58 Serial # 0815FF4208

Test device # 649 Test voltage DC Category/voltage rating C - 56kV

Upper boom leakage current (microamp) 0.4mA Lower boom leakage current (microamp) 0.5mA

Meter receptacle and connections condition (step 12 from procedure) N/A

Pass X Fail (reason) _____

Comments _____

Signature of technician  Shayne Schlosser Date of test 10/2/2024

Periodic Dielectric Test Form for Live Line Tools

Note: Both wet and dry tests need to be completed.

Initial Setup

1. Make sure the tester power switch is turned to the OFF position before connecting the unit to its correct power source.
2. Before turning the power switch to the WET or DRY position, turn the ZERO knob to the ZERO setting. You can achieve this by turning if fully counterclockwise. Failure to do this could result in damage to the meter when the unit is turned on.
3. Visually inspect the opening to ensure nothing is obstructing the test area. If there is an obstruction, disconnect the unit from the power source, dislodge the obstruction and then repeat setup starting at Step 1.
4. Turn the power switch to the DRY position and rotate the ZERO knob until the meter needle aligns with the line on the meter face indicated by the words ZERO TO LINE. This is the position the meter needs should return to after every test.
5. Place the Check Bar in the tester opening and ensure that the meter needle fully deflects, or nearly fully deflects.
   - If the meter needle does not fully deflect, check to be sure the unit is in the DRY position.
   - If issues still persist, contact Service.Tools@Altec.com and enter the subject line: Live Line Tool Tester Issues.
6. Once steps 1-5 have been completed successfully, record that the tester has been verified to be calibrated on the testing form and then you may then move on to the dry test of the live line tool.

Dry Test

1. Make sure the "Zero" knob is set fully to the most counterclockwise position. Failure to do so before turning the unit on could result in damage to it.
2. Turn the power switch to the "DRY" position.
3. Visually inspect the area between the electrodes to ensure there are no obstructions and rotate the "Zero" knob until the meter needle matches up to the "ZERO TO LINE" mark on the meter face.
4. Support the live line tool to be tested at both ends, ensuring it is isolated from ground, and lays horizontally.
5. Place the tester on the stick and take overlapping readings from one end to another while watching the meter on the tester. DO NOT slide the tester on the stick. Be sure to raise and replace the unit on the stick to check each overlapping section.
6. Rotate the stick 90 degrees and perform the testing again, in the same overlapping manner, from end to end. Continue to do this rotating and testing until all four quadrants of the pole have been tested thoroughly.
7. Complete the dry test section of the test form for that stick, marking whether it passed or failed, and move on to the wet test.

Note: live line tools that have sudden spikes in leakage, have consistently high leakages or have increasing leakages throughout testing may not be fit to return to service. For further information on this, refer to HowFactory.

Wet Test

1. Make sure the "Zero" knob is set to fully to the most counterclockwise position before switching the power switch from "DRY" to "WET." Failure to do so before turning the unit on could result in damage to it.
2. Thoroughly clean the live line tool using the Moisture Eater II wipes, or Moisture Eater II solvent with a non-abrasive cloth. Apply liberally and wipe away any contaminants away with a cloth.
3. Turn the power switch to the "WET" position.
4. Visually inspect the area between the electrodes to ensure there are no obstructions and rotate the "Zero" knob until the meter needle matches up to the "ZERO TO LINE" mark on the meter face.
5. Support the live line tool to be tested at both ends, ensuring it is isolated from ground, and lays horizontally.
6. Using a spray bottle, mist the live line tool with distilled water evenly over the entire surface, from end to end. The objective is for the water to bead up on a glossy surface. Avoid overwetting and discontinue spraying before the beads provide a current path through the water. This could give a false failure reading.
7. Place the tester on the stick and take overlapping readings from one end to another while watching the meter on the tester.
   - Be sure to allow for the reading on the meter to stabilize before moving from one section to the next.
   - DO NOT slide the tester on the stick. Be sure to raise and replace the unit on the stick to check each overlapping section.
8. Rotate the stick 90 degrees and perform the testing again, in the same overlapping manner, from end to end. Continue to do this rotating and testing until all four quadrants of the stick have been tested thoroughly.
9. Complete the wet test section of the test section for that stick, marking whether it passed for failed.

Note: live line tools that have sudden spikes in leakage, have consistently high leakages or have increasing leakages throughout testing may not be fit to return to service. For further information on this, refer to HowFactory.

Completing the Test Form/Placards

1. Complete all sections of the test form for each live line tool test completed.
2. Record the Altec serial number for each live line tool tested and whether the live line tool passed, and is fit for service, or failed.
3. Place an Altec Live Line Tool Dielectric Inspection placard (P/N: 991219608) on the live line tool, marking the type of test conducted, Altec serial number, whether it passed or failed, and the date the testing occurred.

Note: Do not try to order the placard mentioned above from PCD. It is part-numbered, but is not order-able. It is pre-loaded in the Zebra program that comes with each thermal printer required to test this equipment.

Conclusion

Live Line Tool S/N	Dry Test Pass (Initial)	Wet Test Pass(Initial)	Fail (Reason)
021813041	PASS	PASS	
11	PASS	PASS	
22	PASS	PASS	
33	PASS	PASS	
44	PASS	PASS	
1	PASS	PASS	

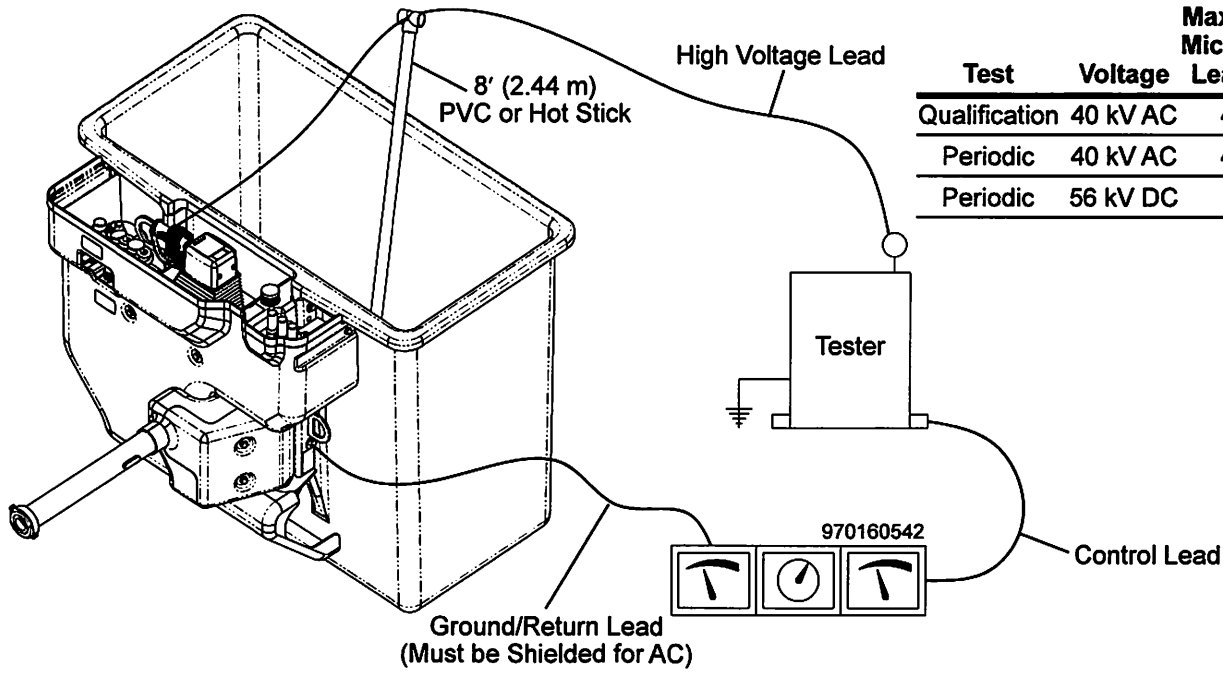
Customer Name: Arbor Tech SR#: 6419650

Comments _____ Test Device Verified: (Y/N) Y

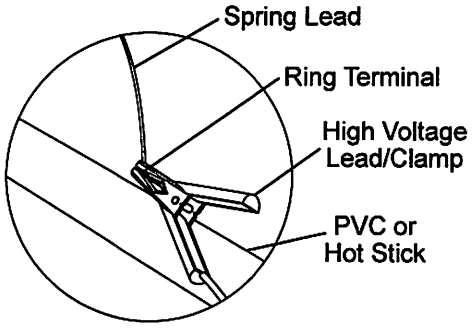
Test device number 7707 - 04012427 Signature of technician Shayne Schlosser Date of test 10/2/24

If printed, scan and email to Service.Tools@altec.com

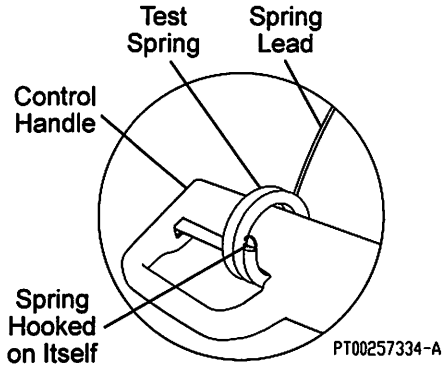
Confirmation Test of Upper Control Components With High Electrical Resistance (Green Single Handle) (Qualification and Periodic)



Test	Voltage	Maximum Microamp Leakage
Qualification	40 kV AC	400
Periodic	40 kV AC	400
Periodic	56 kV DC	56



High Voltage Lead



Test Spring

Drawing does not represent a specific setup

This test is to verify the high electrical resistance components in the green single handle control. In some cases, the high voltage test lead may short circuit to other nearby conductive components. First, verify that provided covers in the control area are intact. Then place insulating material(s), such as a piece of insulating blanket or liner, under and to the sides of the spring which wraps the high voltage test connections to prevent short circuiting from happening.

For AC testing – It is recommended that the high voltage test lead be elevated on an 8' (2.44 m) PVC pole or hot stick to reduce the capacitive leakage that is unrelated to the focus of the test. Use only a shielded return lead to further reduce capacitive leakage.

1. Read and understand the dielectric test information in the Maintenance Manual and ANSI standard.
2. Insulate the vehicle from ground by placing polyethylene pads beneath each tire and outrigger leg.
3. Upper control components must be clean and dry (including inside/outside of bellows) prior to testing. Use isopropyl alcohol to clean.
4. Wrap the test spring (refer to Service Tools and Supplies in the Maintenance Manual) around the control handle as shown above. Use the hook at the end of the spring to connect back to the spring on the control handle and away from conductive components.
5. Attach the high voltage lead (insulated from ground) to the spring lead. Use the length of spring lead to keep the high voltage clamp and high voltage lead away from conductive components and the platform control areas.

6. Attach the ground/return lead to the control base or platform mounting bracket. This lead must contact a bare metal surface. (The bellows must be in place for this test.)
7. It is not necessary to raise or extend the upper boom. The platform may be tested near the tailshelf for easier access.
8. A leakage of zero microamps is typically not a passing test. Check test setup and/or test equipment.
9. To test the control, gradually increase the voltage (refer to the chart). Hold at the appropriate voltage for three minutes continuously. If flashover occurs or the leakage rate exceeds the appropriate microamps from the chart, the control has failed the test. Record leakage current.

Test performed by: Altec X Other (specify) _____

Test type: Qualification _____ Periodic X Test conducted: AC _____ DC X

Service request # 6419650 Altec model # LR7-58 Serial # 0815FF4208

Test device # 649 Test voltage 56kV

Curb side control leakage current (microamp) 5mA Street side control leakage current (microamp) N/A

Pass X Fail (reason) _____

Comments _____

Signature of technician Shayne Schlosser Date of test 10/2/2024