

# Preventive Maintenance and Inspection Checklist

Vehicle No. Vin 9EA42510 Location Capt Ward Date 8-10-2026  
 Service Request# 979191 Model# AT37G Serial# 0209DE10809  
 Odometer 186181 Hours Meter        Inspector QWA

Perform all inspections, adjustments, repairs, and lubrication according to Altec specifications in the Maintenance Manual. Refer to any MABs, CSNs, or other applicable documents provided by Altec for servicing the unit.

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  
☐ Required maintenance
- ☐ 85 PTO hours/1 month  
☐ 2,000 PTO hours/2 years
- ☐ 500 PTO hours/6 months  
☐ 4,000 PTO hours/4 years

## 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 Unit in Service                                                                                 |                                                                                                                       |
|------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Perform the Daily Preoperational Inspection (refer to the Operator's Manual) | <b>Rotation Bearing</b><br><input checked="" type="checkbox"/> Turntable tilt measurement <sup>2</sup> : <u>0.69°</u> |
| <b>Hydraulic Reservoir and System</b>                                                                            |                                                                                                                       |
| <input checked="" type="checkbox"/> Check oil and collect oil sample for analysis <sup>1</sup>                   |                                                                                                                       |
| 85 PTO Hours/1 Month                                                                                             |                                                                                                                       |
| <input checked="" type="checkbox"/> Perform the Daily Preoperational Inspection (refer to the Operator's Manual) | <b>Lubrication</b><br><input checked="" type="checkbox"/> Rotation bearing ball race (AT30-G only)                    |
| <b>Hydraulic Reservoir</b>                                                                                       | <input checked="" type="checkbox"/> Lift cylinder spherical bearing                                                   |
| <input checked="" type="checkbox"/> Oil level                                                                    | <input checked="" type="checkbox"/> Outrigger leg outer surface                                                       |
| <b>Fiberglass</b>                                                                                                | <input checked="" type="checkbox"/> Rotation pinion and bearing gear teeth                                            |
| <input checked="" type="checkbox"/> Upper boom, platform, articulating arm (clean, surface damage)               |                                                                                                                       |
| 500 PTO Hours/6 Months                                                                                           |                                                                                                                       |
| <input checked="" type="checkbox"/> Perform the 85 hour/1 month inspection                                       | <b>Stabilizer Bars</b>                                                                                                |
| <b>Supplemental Brake Lock</b>                                                                                   | <input checked="" type="checkbox"/> Structure (welds intact, no cracks or deformation)                                |
| <input checked="" type="checkbox"/> Operations (holding, bleed off)                                              | <input checked="" type="checkbox"/> Bushing bolts secure to manufacturer's specifications                             |
| <b>Hydraulic Reservoir</b>                                                                                       | <input checked="" type="checkbox"/> Bushing condition                                                                 |
| <input checked="" type="checkbox"/> Mounting (cap screws secure, welds intact, no cracks)                        | <input checked="" type="checkbox"/> Mounting cap screws secure                                                        |
| <input checked="" type="checkbox"/> No leaks                                                                     | <input checked="" type="checkbox"/> Axle U-bolts secure                                                               |
| <b>PTO/Pump</b>                                                                                                  | <b>Filters</b>                                                                                                        |
| <input checked="" type="checkbox"/> Mounting caps screws secure                                                  | <input checked="" type="checkbox"/> Change return line filter                                                         |
| <input checked="" type="checkbox"/> Operation                                                                    | <b>Outriggers</b>                                                                                                     |
| <input checked="" type="checkbox"/> No leaks                                                                     | <input checked="" type="checkbox"/> Mounting (welds intact, no cracks or deformation)                                 |
| <b>Unit Mounting</b>                                                                                             | <input checked="" type="checkbox"/> Machine/ground level functions selector operation                                 |
| <input checked="" type="checkbox"/> Subbase mounting (cap screws secure)                                         | <input checked="" type="checkbox"/> Outrigger interlock system operation                                              |
| <input checked="" type="checkbox"/> Subbase structure (welds intact, no cracks or deformation)                   | <input checked="" type="checkbox"/> Outrigger extend warning system operation                                         |
| <input checked="" type="checkbox"/> Pedestal mounting cap screws secure                                          | <input checked="" type="checkbox"/> Structures (welds intact, no cracks or deformation)                               |

| Outrigger Cylinders                 |                                                                                                                           | Articulating Arm (AT35-G/AT37-G)               |                                                                                                          |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> | Outrigger cylinder pivot pins (cap screws secure, retaining rings in place)                                               | <input checked="" type="checkbox"/>            | Riser (welds intact, no cracks or deformation)                                                           |
| <input checked="" type="checkbox"/> | Holding valves (holding without drift)                                                                                    | <input checked="" type="checkbox"/>            | Link (welds intact, no cracks or deformation)                                                            |
| <input checked="" type="checkbox"/> | Hoses and tubes (routing, condition)                                                                                      | <input checked="" type="checkbox"/>            | Boom pivot pin (end plate weld intact, cap screws secure)                                                |
| <input checked="" type="checkbox"/> | No leaks                                                                                                                  | <input checked="" type="checkbox"/>            | Arm (welds intact, no cracks or deformation)                                                             |
| <input checked="" type="checkbox"/> | Chromed rod condition                                                                                                     | <input checked="" type="checkbox"/>            | Fiberglass on arm and link (clean, surface damage)                                                       |
| <input checked="" type="checkbox"/> | Cylinder barrel condition                                                                                                 | <input checked="" type="checkbox"/>            | Articulating arm pivot pins (end plate weld intact, cap screws secure, retaining ring in place)          |
| Lower Controls Station              |                                                                                                                           | <input checked="" type="checkbox"/>            | Link pivot pins (end plate weld intact, cap screws secure, retaining ring in place)                      |
| <input checked="" type="checkbox"/> | Operation (metering, proper direction)                                                                                    | <input checked="" type="checkbox"/>            | Fiberglass mounting cap screws on articulating arm and link secure                                       |
| <input checked="" type="checkbox"/> | Lower/upper control operation                                                                                             | Articulating Arm Lift Cylinder (AT35-G/AT37-G) |                                                                                                          |
| <input checked="" type="checkbox"/> | Engine start/stop and/or secondary stowage switch operation                                                               | <input checked="" type="checkbox"/>            | Holding valve (operation, leaks, no cylinder leak down when valve handle for arm raise is shifted)       |
| <input checked="" type="checkbox"/> | Emergency stop operation                                                                                                  | <input checked="" type="checkbox"/>            | Articulating arm cylinder pivot pins (end plate weld intact, cap screws secure, retaining ring in place) |
| <input checked="" type="checkbox"/> | Wiring (routing, condition, connections secure)                                                                           | <input checked="" type="checkbox"/>            | Cylinder barrel condition                                                                                |
| <input checked="" type="checkbox"/> | Valve handles (condition, secure)                                                                                         | <input checked="" type="checkbox"/>            | Operation                                                                                                |
| Pedestal                            |                                                                                                                           | <input checked="" type="checkbox"/>            | No leaks                                                                                                 |
| <input checked="" type="checkbox"/> | Structure (welds intact, no cracks or deformation)                                                                        | <input checked="" type="checkbox"/>            | Chromed rod condition                                                                                    |
| <input checked="" type="checkbox"/> | Hoses (routing, condition)                                                                                                | <input checked="" type="checkbox"/>            | Hoses and tubes (routing, condition)                                                                     |
| <input checked="" type="checkbox"/> | Wiring (routing, condition, connections secure)                                                                           | Lift Cylinder                                  |                                                                                                          |
| <input checked="" type="checkbox"/> | Rotary joint mounting cap screws secure, restraint bracket secure                                                         | <input checked="" type="checkbox"/>            | Holding valve (operation, leaks, no cylinder leak down when valve handle for boom raise is shifted)      |
| <input checked="" type="checkbox"/> | Covers (condition, cap screws secure)                                                                                     | <input checked="" type="checkbox"/>            | Pivot bearing secure within cylinder eye                                                                 |
| <input checked="" type="checkbox"/> | Slip ring mounting cap screws secure                                                                                      | <input checked="" type="checkbox"/>            | Lift cylinder pivot pins (end plate weld intact, cap screws secure, retaining ring in place)             |
| <input checked="" type="checkbox"/> | No leaks                                                                                                                  | <input checked="" type="checkbox"/>            | Cylinder barrel condition                                                                                |
| Turntable                           |                                                                                                                           | <input checked="" type="checkbox"/>            | Operation                                                                                                |
| <input checked="" type="checkbox"/> | Structure (welds intact, no cracks or deformation)                                                                        | <input checked="" type="checkbox"/>            | No leaks                                                                                                 |
| <input checked="" type="checkbox"/> | Covers (condition, cap screws secure)                                                                                     | <input checked="" type="checkbox"/>            | Chromed rod condition                                                                                    |
| <input checked="" type="checkbox"/> | Hoses and tubes (routing, condition)                                                                                      | <input checked="" type="checkbox"/>            | Hoses and tubes (routing, condition)                                                                     |
| <input checked="" type="checkbox"/> | Wiring (routing, condition, connections secure)                                                                           | Lower Leveling Cylinder                        |                                                                                                          |
| <input checked="" type="checkbox"/> | Boom pivot pin (end plate weld intact, cap screws secure – AT30-G only)                                                   | <input checked="" type="checkbox"/>            | Leveling cylinder pivot pins (end plate weld intact, cap screws secure, retaining ring in place)         |
| Rotation Bearing and Gearbox        |                                                                                                                           | <input checked="" type="checkbox"/>            | Cylinder barrel condition                                                                                |
| <input checked="" type="checkbox"/> | Motor mounting cap screws secure                                                                                          | <input checked="" type="checkbox"/>            | Operation                                                                                                |
| <input checked="" type="checkbox"/> | Gearbox mounting cap screws visual inspection                                                                             | <input checked="" type="checkbox"/>            | No leaks                                                                                                 |
| <input checked="" type="checkbox"/> | Rotation bearing cap screws visual inspection                                                                             | <input checked="" type="checkbox"/>            | Chromed rod condition                                                                                    |
| <input checked="" type="checkbox"/> | Eccentric ring lock in place and secure                                                                                   | <input checked="" type="checkbox"/>            | Hoses and tubes (routing, condition)                                                                     |
| <input checked="" type="checkbox"/> | Pinion gear teeth condition                                                                                               | Lower Boom                                     |                                                                                                          |
| <input checked="" type="checkbox"/> | Rotation bearing gear teeth condition                                                                                     | <input checked="" type="checkbox"/>            | Structure (welds intact, no cracks or deformation)                                                       |
| <input checked="" type="checkbox"/> | Pinion/rotation bearing gear backlash                                                                                     | <input checked="" type="checkbox"/>            | Fasteners secure                                                                                         |
| <input checked="" type="checkbox"/> | Operation (smoothness, noise level)                                                                                       |                                                |                                                                                                          |
| <input checked="" type="checkbox"/> | No leaks                                                                                                                  |                                                |                                                                                                          |
| <input checked="" type="checkbox"/> | Rotation bearing inspection and measurement [after 0.050" (1.27 mm) increased wear from initial measurement] <sup>2</sup> |                                                |                                                                                                          |

|                                                   |                                                                                                  |                                     |                                                                           |
|---------------------------------------------------|--------------------------------------------------------------------------------------------------|-------------------------------------|---------------------------------------------------------------------------|
| <input checked="" type="checkbox"/>               | Covers (condition, cap screws secure)                                                            | <input checked="" type="checkbox"/> | No leaks                                                                  |
| <input checked="" type="checkbox"/>               | Hoses and tubes (routing, condition)                                                             | <input checked="" type="checkbox"/> | Chromed rod condition                                                     |
| <input checked="" type="checkbox"/>               | No leaks                                                                                         | <input checked="" type="checkbox"/> | Hoses and tubes (routing, condition)                                      |
| <b>Extension Cylinder</b>                         |                                                                                                  | <b>Platform</b>                     |                                                                           |
| <input checked="" type="checkbox"/>               | Holding valve (operation, leaks, no cylinder leak down when valve handle for extend is shifted)  | <input checked="" type="checkbox"/> | Fiberglass of platform and dashboards (condition, clean, undamaged)       |
| <input checked="" type="checkbox"/>               | Trunnion pins secure                                                                             | <input checked="" type="checkbox"/> | Platform mounting cap screws secure                                       |
| <input checked="" type="checkbox"/>               | Cylinder barrel condition                                                                        | <input checked="" type="checkbox"/> | Liner (condition, clean, nylon cap screws secure)                         |
| <input checked="" type="checkbox"/>               | Operation                                                                                        | <input checked="" type="checkbox"/> | Fall protection system (condition, in place)                              |
| <input checked="" type="checkbox"/>               | No leaks                                                                                         | <input checked="" type="checkbox"/> | Covers (condition, cap screws secure)                                     |
| <input checked="" type="checkbox"/>               | Chromed rod condition                                                                            | <input checked="" type="checkbox"/> | Placards (condition, readable)                                            |
| <input checked="" type="checkbox"/>               | Hoses and tubes (routing, condition)                                                             | <input checked="" type="checkbox"/> | Hoses and tubes (routing, condition)                                      |
| <b>Upper Boom</b>                                 |                                                                                                  | <input checked="" type="checkbox"/> | No leaks                                                                  |
| <input checked="" type="checkbox"/>               | Fiberglass (condition, clean, undamaged)                                                         | <b>Upper Controls</b>               |                                                                           |
| <input checked="" type="checkbox"/>               | Hoses and tubes (routing, condition)                                                             | <input checked="" type="checkbox"/> | Operation (metering, proper direction)                                    |
| <input checked="" type="checkbox"/>               | No leaks                                                                                         | <input checked="" type="checkbox"/> | Tools quick disconnect couplers (condition, operation, dust caps)         |
| <b>Upper Boom Tip</b>                             |                                                                                                  | <input checked="" type="checkbox"/> | No operation in Lower Controls position                                   |
| <input checked="" type="checkbox"/>               | Structure (welds intact, no cracks or deformation)                                               | <input checked="" type="checkbox"/> | Engine start/stop and/or secondary stowage system operation               |
| <input checked="" type="checkbox"/>               | Mounting cap screws to upper boom secure                                                         | <input checked="" type="checkbox"/> | Emergency stop operation                                                  |
| <input checked="" type="checkbox"/>               | Leveling bracket pivot pin (end plate weld intact, cap screws secure, retaining ring in place)   | <input checked="" type="checkbox"/> | Emergency lowering valve operation                                        |
| <input checked="" type="checkbox"/>               | Hoses and tubes (routing, condition)                                                             | <input checked="" type="checkbox"/> | No leaks                                                                  |
| <input checked="" type="checkbox"/>               | No leaks                                                                                         | <b>Platform Leveling System</b>     |                                                                           |
| <input checked="" type="checkbox"/>               | Covers (condition, cap screws secure)                                                            | <input checked="" type="checkbox"/> | Operation                                                                 |
| <b>Upper Leveling Cylinder</b>                    |                                                                                                  | <input checked="" type="checkbox"/> | No leaks                                                                  |
| <input checked="" type="checkbox"/>               | Leveling cylinder pivot pins (end plate weld intact, cap screws secure, retaining ring in place) | <b>Lubrication</b>                  |                                                                           |
| <input checked="" type="checkbox"/>               | Holding valve (operation, leaks)                                                                 | <input checked="" type="checkbox"/> | Outtrigger valve handle linkage                                           |
| <input checked="" type="checkbox"/>               | Cylinder barrel condition                                                                        | <input checked="" type="checkbox"/> | Rotation bearing and pinion gear teeth                                    |
| <input checked="" type="checkbox"/>               | Operation                                                                                        | <input checked="" type="checkbox"/> | Bonded hose assembly                                                      |
| <b>Required Maintenance (Regardless of Hours)</b> |                                                                                                  |                                     |                                                                           |
| <b>Annual Testing</b>                             |                                                                                                  | <input checked="" type="checkbox"/> | Confirmation test of single handle or multi-lever control(s), if equipped |
| <input checked="" type="checkbox"/>               | Dielectric test unit                                                                             |                                     |                                                                           |
| <input checked="" type="checkbox"/>               | Dielectric test platform liner                                                                   |                                     |                                                                           |
| <b>1,000 PTO Hours/1 Year</b>                     |                                                                                                  |                                     |                                                                           |
| Perform the 500 hour/6month inspection            |                                                                                                  | <b>Unit Mounting</b>                |                                                                           |
| <b>Chassis</b>                                    |                                                                                                  | <input checked="" type="checkbox"/> | Utility body (cap screws secure, welds intact, no cracks or deformation)  |
| <input checked="" type="checkbox"/>               | Hoses (routing, condition, no leaks)                                                             | <input checked="" type="checkbox"/> | Boom rest (cap screws secure, welds intact, no cracks or deformation)     |
| <input checked="" type="checkbox"/>               | Exhaust shields (mounting, condition)                                                            |                                     |                                                                           |
| <b>PTO/Pump</b>                                   |                                                                                                  | <b>Hydraulic Reservoir</b>          |                                                                           |
| <input checked="" type="checkbox"/>               | Drive line condition                                                                             | <input checked="" type="checkbox"/> | Collect oil sample for analysis                                           |
| <input checked="" type="checkbox"/>               | Noise level                                                                                      |                                     |                                                                           |