

Liftgate Inspection Checklist

Unit # _____

L/G Serial # _____

Model # _____

Inspection Date 1 / 1 /

Charging System _____

90-Day Inspection _____

Voltage at Battery #1 _____ Volts

Cycle Count (if applicable) _____

Annual Inspection _____

Voltage at Battery #2 _____ Volts

P = Passed Inspection

R/P = Repaired and Passed

N/A = Not Applicable

90 Day Inspection

Charging System: Inspect dual / single pole and 7 pin receptacles for excessive wear and damage. Apply power source and measure voltage at batteries with system charging with at least 13.8 volts

Purkey's Direct Flex / Max (if applicable): Verify nose box LED's properly illuminate when connected / disconnected to power source. Verify 200 amp mega fuse continuity at nose box side panel, check both 2 amp fuses at battery box. Inspect that converter LED turns on with a minimum of 13.8 volts of source power for converter to activate.

Severe Service Link (if applicable): Inspect fuses, circuit breakers, harnesses for damage, chaffing and ensure cables are properly secured and insulated.

Battery Box: Verify tight connections on all terminals, studs, connectors and plugs. Inspect cables, wiring and terminals are free of corrosion, damage and properly secured and insulated. Ensure battery circuit is hooked up in parallel

Measure voltage at each battery and load test. Record battery voltage readings (see top right). One fully charged battery is at 12.6 volts. Replace battery (s) if installation date is older than 2 years regardless of load test outcome.

Switches: Inspect that all switches are fully operational and switch connectors are free of corrosion. Verify power down button is operational at each switch (if applicable). Ensure power down (PD) button on each switch illuminates (if applicable)

Hydraulic Oil: Inspect for oil leaks at all couplers, fittings, tubes, hoses, valves, reservoir and filter. Ensure proper oil level per manufacturer's instructions

Pump box: Cycle all pumps and verify proper operation using selector switch. Pump selector must be switched to the opposite pump after completing inspection. (if applicable) record cycle counts (see above).

Inspect motors, pumps, motor solenoids, wiring and grounding studs have tight connections and wiring / cables are properly insulated. Eliminate any chaffed points and replace component if necessary i.e. hydraulic tubes, hoses etc.

Columns: Inspect cylinders, couplers, runners, slide pads, rollers, tubing, flow control / lock valves, cables and harnesses for wear

Platform Assembly: Inspect chains, swing arms, u-bolts, hinges, pins, rubber stops, torsion bars/springs, bushings, bearings and hardware. Inspect safety lights if (applicable). Ensure liftgate assembly operates smoothly and can cycle in a timely manner. Verify platform level is within manufactures specification.

Retention Ramp: Verify all hardware is present and smooth operation.

Grease all platform pivots, roller axels and other zerk fittings Using only EP Synthetic Grease. Clean soiled areas, verify leak, make necessary repairs.

Check welds at column mounting brackets, pivot points, couplers, step kits

Check for damaged, worn, loose or missing hardware i.e. nuts, bolts, roll pins, retainers etc. and replace as needed

Annual Inspection

Replace hydraulic oil with Exxon Uniwis HVI-13 and filter per manufacturers specifications

Inspect runner assembly pads / rollers and replace as needed

List all completed repairs made on this inspection work order

1.) _____

2.) _____

3.) _____

4.) _____

5.) _____

Comments (if applicable)