

PREVENTIVE MAINTENANCE SERVICE SHEET



Liftgate Quarterly Inspection/PM

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Date _____	Customer _____	PO _____
Truck Trailer # _____	Liftgate Serial# _____	Liftgate Model # _____
Location _____		Inspected By _____

PM Recording Symbology:

✓ = Satisfactory R = Repairs Needed NA = if not applicable

Inspect Liftgate Columns	Inspect Hydraulic and Electrical Components
<input type="checkbox"/> Inspect for any physical damage, twisted, bend, spreading, broken welds top and bottom	<input type="checkbox"/> Inspect for hydraulic leaks on cylinders, hoses and fittings
<input type="checkbox"/> Inspect for loose or missing bolts	<input type="checkbox"/> Inspect hoses for fraying or cracking (especially where hoses enter or exit the housing cover and hose extension cover)
<input type="checkbox"/> Inspect that travel ear properly engages auto latch cam	<input type="checkbox"/> Inspect that tracking hoses are tracking properly and secure to liftgate column
Inspect Liftgate Dock Bumpers	<input type="checkbox"/> Remove power unit enclosure cover and inspect that electrical connections are clean and secure - spray connections with dielectric coating
<input type="checkbox"/> Check for bent or broken steel bumper plates	<input type="checkbox"/> Inspect that fluid level in tank is 1" from the top with platform fully raised and open
<input type="checkbox"/> Inspect that bumpers are tight against columns and breakaway welds are in tact	<input type="checkbox"/> Inspect for any visible oil leaks inside the power unit enclosure (valves, hoses and fittings)
<input type="checkbox"/> Inspect for missing or damaged slide pad	<input type="checkbox"/> Inspect power unit to make sure mounting is secure
Inspect Liftgate Platform	<input type="checkbox"/> Inspect that master disconnects switch works properly and battery connections are secure. Spray terminals with dielectric coating
<input type="checkbox"/> Inspect for loose nuts, bolts and roll pins (Main hinge pin bolt, folding hinge bolt, roll stop and flip ramp bolts)	<input type="checkbox"/> Inspect circuit breaker for visual damage and ensure both motor and charge line circuit breakers are engaged. Spray terminals with dielectric coating
<input type="checkbox"/> Aluminum Platform Only: Inspect that aluminum platform side plate bolts are tightened to 30 ft-lbs	<input type="checkbox"/> Inspect that battery connections including grounds are secure and clean. Spray with dielectric coating
<input type="checkbox"/> Inspect for any signs of overload damage, cracked or broken welds	<input type="checkbox"/> Inspect entire length of battery cable (positive and ground) and exposed switch wires for chaffing
<input type="checkbox"/> Inspect platform side chains, side chain hardware, side arm assembly, side attachment assembly for bent or missing parts	<input type="checkbox"/> Load test battery perform battery maintenance as needed
<input type="checkbox"/> Inspect that the platform is level with the vehicle floor in the fully raised position	<input type="checkbox"/> Inspect that battery hold downs are in place and properly tightened
<input type="checkbox"/> Inspect folding hinges on platform and ramp for wearing. Platform should be open flat with no dipping	<input type="checkbox"/> Inspect toggle switches for damage to 1/2 rubber boot
<input type="checkbox"/> On liftgates with roll stops, inspect roll stop opens when retainer is disengaged. Clean out roll stop hinge and lubricate with silicon spray	<input type="checkbox"/> Toggle to backup pump-motor and run liftgate through five complete up/down cycles to verify proper operation of backup system. Alarm should sound when running backup motor
Inspect Liftgate Runner Assembly	Final Inspection
<input type="checkbox"/> Inspect for cracks or broken welds on hinge tube	<input type="checkbox"/> Run gate through two entire cycles with platform open to make sure there is no unusual noise
<input type="checkbox"/> Inspect that pins are secure by making sure the pin retainers are in place and the retainer bolts are not loose or missing	<input type="checkbox"/> Inspect that raising and lowering speeds are within 15-22 seconds (Based on a 50" bed height)
<input type="checkbox"/> Inspect wear pads for wear and bracket for missing or broken bolts	<input type="checkbox"/> Run gate through one cycle of the power open and close operation
<input type="checkbox"/> Inspect runner for physical damage	<input type="checkbox"/> Inspect that opening and closing speeds are 6-9 seconds
	<input type="checkbox"/> Run gate up to stored position, make sure platform lock works properly
	<input type="checkbox"/> Inspect that all deals are legible and in the correct location
Annual Inspection / PM Procedure (includes all items above in Quarterly Inspection/PM Procedures)	
<input type="checkbox"/> Inspect platform hinge block/tube bushing (removal of platform required)	
<input type="checkbox"/> Remove motor inspection cap and check brushes for even wear and remaining life. Blow out brush	
<input type="checkbox"/> Change hydraulic fluid	