



WAR305

## Pre-Delivery Inspection (PDI) Form: Freightliner – Electric Vehicles

Serial Number	
Submitting Location Code	Repair Order
Inspection Date	Odometer mi km

- **The PDI must be performed within 30 calendar days of receipt**

\*Additional information regarding the PDI is available in the *Product Receipt, Storage, and Registration* section of the DTNA Warranty Manual.

- All procedures and operations listed below are included in the PDI reimbursement, unless otherwise noted
- Complete all sections with the appropriate code:
  - **X = Okay**
  - **A = Adjusted**
  - **N/A = Not Applicable**
- Instructions are included with each inspection point
- Important:
  - *Before* starting the vehicle, check for correct coolant
  - Top-off fluids *will not* be reimbursed unless component is found dry from the factory

CODE	CODES: X = Okay	A = Adjusted	N/A = Not Applicable
	Static Air Pressure Test		1. With parking brake set, vehicle in neutral, and tires chocked, turn vehicle on until the air pressure reads 120 psi (827 kPa) 2. Turn the vehicle off. The pressure should not drop more than 10 psi (69 kPa) within 5 minutes. 3. Tighten airline fitting, as required.
	E-stop button		Check the E-stop switch for proper operation
	Low Air Warning System		Confirm that the low air pressure warning system operates correctly
	Fault Codes		Check for active faults via infotainment screens
	Pop-Up Messages		Note any messages on dash screen(s)
	HVAC System Operation		Check HVAC operation
	Electric and Air Horn(s)		Confirm that the horn(s) operate
	Lights (Headlights, Road Lights, Daytime Running, Marker, Turn Signal, Stop, and Tail)		Confirm that all headlights, road lights, daytime running lights, marker lights, turn signals, stoplights, and taillights operate properly and adjust, as necessary
	Windshield Wipers and Washer		Make sure the wipers and washers operate correctly
	Safety Belts and Seat Control Operation and Mounting		Inspect to make sure the seats are fully adjustable, the mounting fasteners are tight, and the seat belts operate correctly
<b>B. Under the Hood or Cab – Visual Inspection (<i>tighten or adjust only</i>)</b>			
	Coolant Level		Check coolant level in both surge tanks and fill to correct level with approved coolant or to the minimum antifreeze concentration, as needed <ul style="list-style-type: none"> <li>• The concentration must provide protection to -30 F (-34 C) or below</li> </ul>
	Coolant and Heater Hoses		Inspect all radiator and heater hose connections for leakage and tighten connections, as necessary
	HVAC System		Inspect for leaks around condenser, A/C lines, and fittings
	Air Compressor Air Filter		Check air filter assembly mounting clamp tightness, tighten if needed
	Power Steering Fluid		Inspect for power steering fluid leaks and tighten fittings, as necessary. Check reservoir fluid level. Add fluid, as necessary.
	Steering Shaft Pinch Bolts		Check for torque seal and tightness



WAR305

## Pre-Delivery Inspection (PDI) Form: Freightliner – Electric Vehicles

CODE	CODES: X = Okay    A = Adjusted    N/A = Not Applicable	
	EVDM Cable Connections	Check EVDM positive and negative cable connections for tightness and proper torque (13NM, 10FTLB)
	High Voltage Cables	Check for routing/clipping issues and wear/pinch (need to remove 2 large deck plates)
	Low Voltage Batteries	Check open circuit voltage for all batteries. If below 12.5 volts, charge to required level.
	Low Voltage Battery Cable(s)	Check all battery cables for correct routing and clamping. Make corrections, as necessary. <i>Time to tighten connections and reroute cables or to add tie-straps is included in PDI reimbursement.</i>
	Windshield Washer Fluid Reservoir	Check windshield reservoir level. Adjust to the full mark, as necessary.
<b>C. Chassis – Inspection</b>		
	Steering Linkage	<ul style="list-style-type: none"> <li>Inspect for Torque Seal on the steering-driveline-yoke pinch bolts, Pitman-arm pinch bolt, drag link to steering arm ball stud, and the tie rod ends clamp bolts</li> <li>Tighten to specifications, as necessary, and apply white Torque Seal F-900</li> </ul>
	Chassis, Fifth Wheel	Lube, as necessary
	All Drain and Fill Plugs	Check and tighten all drain plugs and fill plugs
	eCarrier Fluid Level	Check oil level and add oil, as necessary
	Rear Axle Differential	Check oil level and add oil, as necessary
	Spring U-Bolts	Tighten all U-bolts to correct torque
	Drive Axle Flange Fasteners	Tighten drive axle flange fasteners to correct torque specifications
	Wheel Nuts	Tighten all wheel nuts to correct torque
	Tire Pressure	Check and adjust, as necessary
	Charging	Verify charging functionality by plugging vehicle into a charger
	Wiring Harnesses	Check all wiring harnesses for proper securement and no chafing
	Coolant hoses and pipes	<ul style="list-style-type: none"> <li>Check all coolant hoses and pipes for proper securement and no chafe points</li> <li>Check connections for leakage and tighten connections, as necessary</li> </ul>
<b>D. Road Test</b>		
	Parking and Service Brake Test	In a safe area that is free of other vehicles, pedestrians, and obstacles, do a rapid deceleration from 10 MPH/16 KPH to zero. If the vehicle brakes well (without shudder, pull to one side, or other issues), repeat at 20 MPH/32 KPH. If the vehicle again exhibits no shudder, pull, or other issues, repeat the test a final time at 30 MPH/48 KPH.
	Regenerative Braking	Verify functionality in each of the 3 modes
	Speed Control and Throttle Operation	Check throttle response and cruise control operation
	Steering Performance	Check for smooth operation without binding or tires rubbing
	eAxle Shifting	<ul style="list-style-type: none"> <li>Verify shifting to D, N, and R</li> <li>Verify upshift/downshift between gears 1 and 2</li> </ul>
I certify that the pre-delivery inspection has been performed by an Authorized Daimler Truck North America LLC Service Location and that all operations have been completed in accordance with the DTNA Warranty Manual and instructions stated therein.		
Service Technician Signature:		Date:
Service Manager Signature:		Date: