

Heavy Commercial Vehicles

Bulletin to be circulated to:	Service Manager	Warranty Manager	Spare Parts Manager	Master Technician	Service Consultant	BMIS
	✓	✓	✓	✓	✓	✓

Subject	Electrical Connection and Torque Inspection Procedure for F-Line Vehicles After Cab Painting Operations
Variant	F-Line Vehicles
Abstract	This Technical Service Bulletin has been prepared to describe the electrical connection inspections and torque checks required following cab painting operations on F-Line vehicles. The purpose is to verify critical connection points and prevent potential failures after service operations.

Labour:

Labour Code	Labour Description	Duration (Hour)
F3V18 ECTQTSB	POST PAINT ELECTRICAL AND TORQUE CHECK	2

Service Procedure:

1. Turn off the battery master cut-off switch.
2. Tighten the battery positive (+) and negative (–) terminals to 13 Nm. After tightening, apply a torque mark

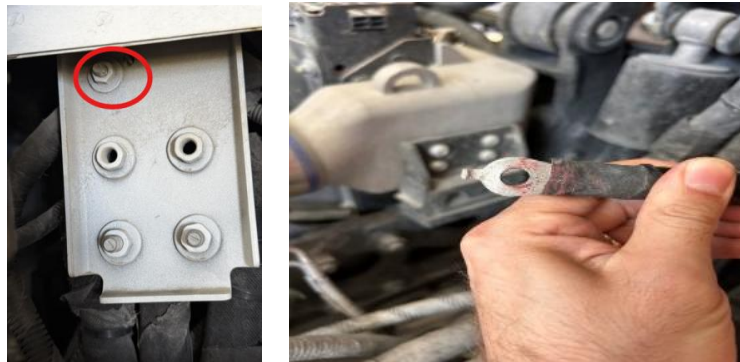


3. Tighten the grounding connections located on the left side of the main fuse box to 9 Nm. After tightening, apply a torque mark. The location of these grounding connections is shown in the image referenced in Step 4.

4. Verify that the IP grounding bolts are the same type as the M6 reference bolt highlighted by the green circle in the image.



5. Check the chassis-to-cab ground eyelet for paint residue. If paint residue is present, clean the surface by sanding. The chassis-to-cab ground eyelet is located under the hood, and the inspection area is highlighted by a red circle in the image.



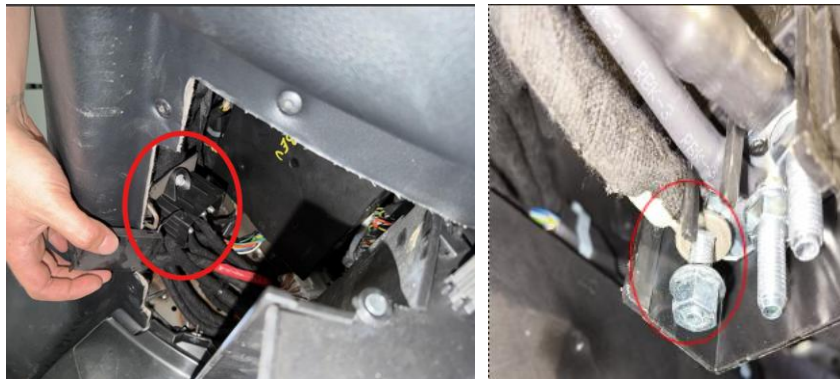
6. Check the mounting surface of the chassis-to-cab grounding bolt for paint residue and clean the surface by sanding if necessary. The bolt used is an M6 bolt. The inspection area is shown in the image referenced in Step 5.



7. Tighten the chassis-to-cab grounding bolt to 12 Nm. After tightening, apply a torque mark. The bolt is located directly beneath the hood when opened. The inspection area is shown within the circle in the image.



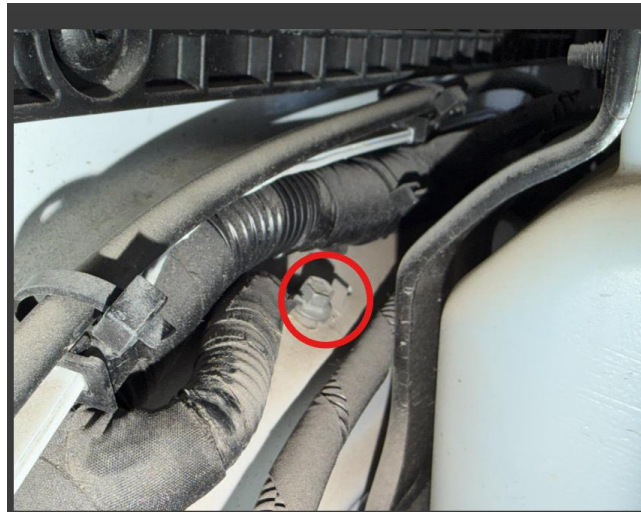
8. Tighten the chassis-to-cab power supply bolt to 13 Nm. After tightening, apply a torque mark. The bolt is located behind the glove compartment. The bolt to be inspected is identified in the image below. The bolt used is an M10 bolt.



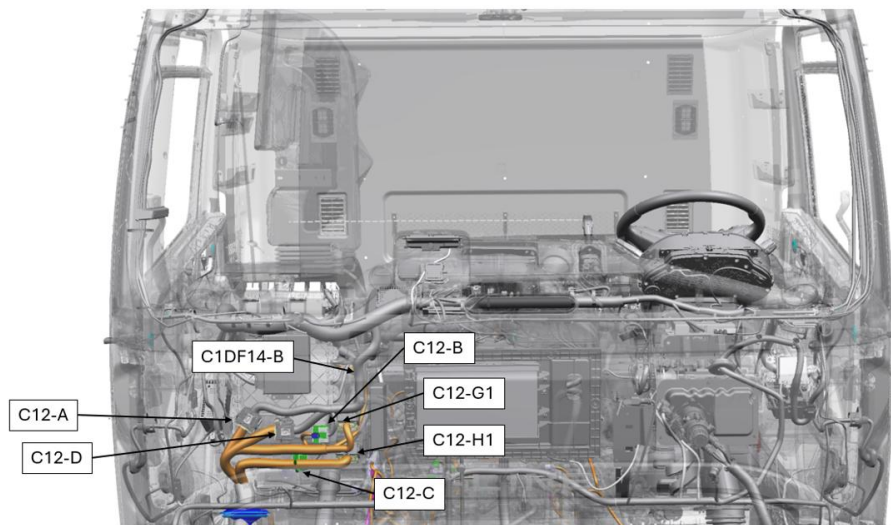
9. Tighten the two grounding bolts located behind the windshield washer reservoir to 9 Nm. After tightening, apply a torque mark. The bolts used are M6 bolts. These bolts are located behind the windshield washer reservoir and are highlighted with a red circle in the image.



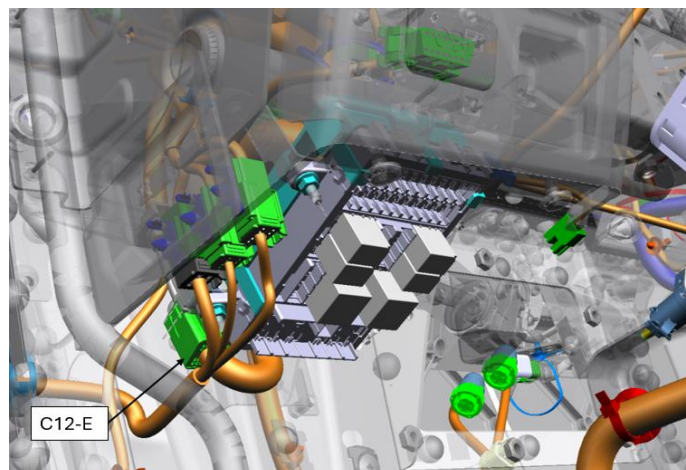
Windshield
Washer Reservoir



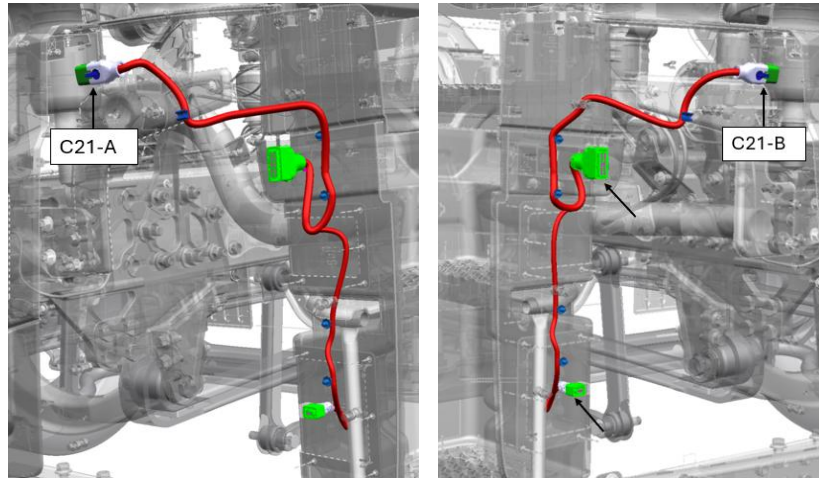
10. Inspect the C12-A, C12-B, C12-C, and C12-D connectors of the 14398 wiring harness. Verify that there is no locking tab damage, pin damage, corrosion, or pin push-back.



11. Inspect the C12-E connector of the 14B242 wiring harness. Verify that there is no locking tab damage, pin damage, corrosion, or pin push-back.



12. Inspect the C21-A and C21-B connectors of the 13N052 wiring harness. Verify that there is locking tab damage, pin damage, corrosion, or pin push-back.



Regards,

Ford Trucks Service Engineering