

December 2013
FL640A-D
NHTSA #13V-073

Work Instructions

Subject: FCCC MTG45/55 Gasoline Fuel Tanks

Models Affected: Specific Freightliner Custom Chassis MTG45/55 gasoline engine walk-in van chassis manufactured February 15, 2010, through August 6, 2013.

Fuel Tank Replacement

IMPORTANT: All vehicles in FL640 require a fuel tank replacement, even those that had an interim replacement.

NOTE: Small amounts of dielectric grease and dielectric red enamel will be needed in addition to the parts listed in **Table 1**.

1. Check the base label (Form WAR259) for a completion sticker for FL640 (Form WAR260) indicating this work has been done. The base label is usually located in the driver's area. If a sticker is present, no work is needed. If a sticker is not present, continue with the next step.
2. Park the vehicle on a level surface, shut down the engine, and set the parking brake. Chock the tires.
3. With the engine running, remove the fuel pump fuse to relieve fuel pressure in the fuel line, and let the engine run down.

The fuel pump fuse is located in the power distribution module (PDM) closest to the brake fluid reservoir.

4. Turn off the ignition and disconnect the batteries at the negative posts.

WARNING

Do not drain fuel near, or expose fuel vapor to, open flame or intense heat. To do so might cause a fire, which could lead to serious personal injury or property damage.

5. Remove the fuel cap and retain it for later use.
6. Remove as much fuel as possible, store it in a clean container and protect it from contamination. It will be reused.
7. In the cargo area, remove the access panel, if so equipped, to gain access to the top of the fuel tank.
8. Loosen the fill hose clamp and slide it up the fuel filler hose. Remove the fuel filler hose.
9. Disconnect the electrical connections on the fuel tank header. See **Fig. 1**.

For vehicles not equipped with an access panel, loosen the lower mounting straps and lower the fuel tank slightly, then reach across the top of the tank to disconnect the electrical connections on the fuel tank header.

10. Carefully remove the plastic secondary clip on the fuel line connector and retain it for later use. Push the fuel line connector toward the fuel tank header, push down on the primary latch, and disengage the fuel line.

For vehicles not equipped with an access panel, remove the fuel line at the front edge of the fuel tank.

CAUTION

Fuel will leak from the fuel hose when it is removed. Wear safety glasses to avoid personal injury.

11. Push the primary latches in to disengage them from the vent hoses. If the latches fail to release, blow any debris out of the release mechanism and repeat the process. Once the latches have been removed, disconnect the fuel and vent hoses. See **Fig. 1**.

For vehicles not equipped with an access panel, remove the vent line at the canister.

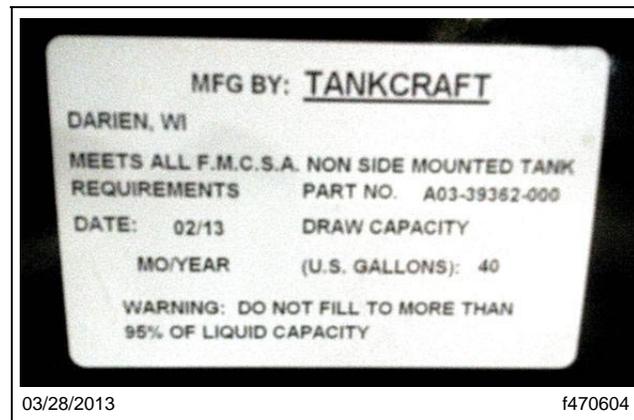


Fig. 1, Fuel Tank Date Code

12. Raise the vehicle enough to remove the fuel tank.
13. Remove the ground straps from both sides of the fuel tank.
14. Using a transmission jack, support the fuel tank.
15. Remove the fuel tank support straps and carefully lower the fuel tank from the chassis frame rails.
16. All failed fuel tanks must be scrapped per the Warranty Manual, Section 6.25 Fuel Tanks.
 - Complete the Scrapping of Fuel Tank form (Form WAR110) and attach it to the claim.
 - Take the required photos and attach them to the claim. A clear photo of the manufacturer's label must be included, see **Fig. 2**.
 - Destroy the fuel tank by cutting off each end of the fuel tank or crushing it.
17. Using a transmission jack, position the new fuel tank assembly underneath the vehicle. Ensure that the fuel filler neck is properly positioned. Lift the fuel tank into position.

NOTICE

Do not collapse the isolator springs. Doing so will damage the fuel tank.

18. Using the fuel tank support straps and new fasteners from the kit, attach the new fuel tank assembly to the chassis. See **Fig. 3**. Using a distance from the base of the washer under the spring to the top of the bracket, tighten the nuts 111 ± 3 mm; do not collapse the isolator springs.
19. Install the fill hose clamp on the fuel filler hose and hand tighten.
20. Inspect the electrical connections to the pump and sender. Remove any moisture/corrosion and apply dielectric grease.
21. Connect the electrical connections on the fuel tank header.

Recall Campaign

Daimler Trucks
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Fig. 2, Fuel Tank Electrical Connections and Hoses

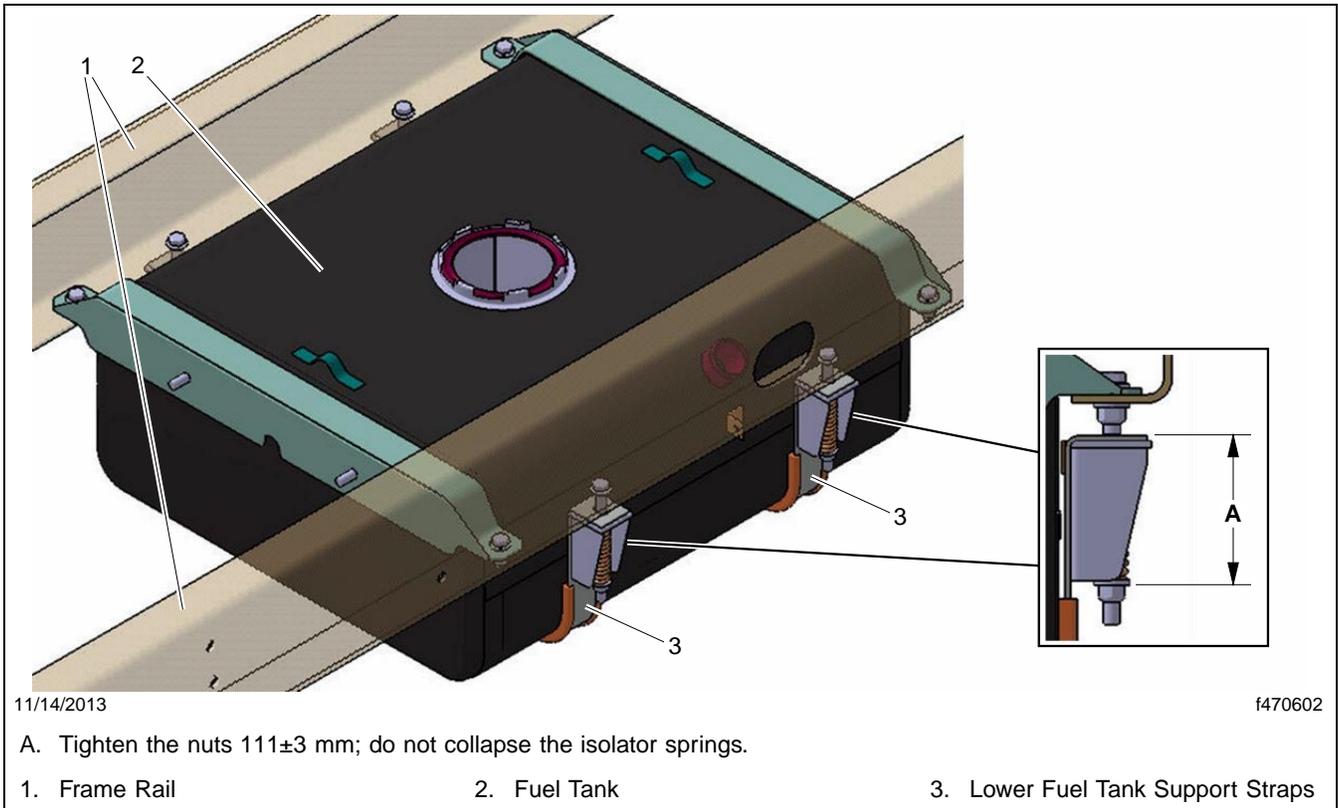


Fig. 3, Lower Fuel Tank Support Straws

22. Inspect the ground strap connections. Remove any corrosion and apply dielectric red enamel, then connect the ground straps. Tighten 84 lbf-in (949 N-cm).
23. Ensure that the fuel and vent hoses are clean and free of contaminates. Install the fuel and vent hoses on the fuel tank as follows.
 - 23.1 Place a few drops of motor oil on the end of the vent tubes.
 - 23.2 Install the two vent connectors on the tank header until the retainer snaps in place and the connector comes to a stop. Pull the connector and ensure it is locked in place.
 - 23.3 Use the plastic secondary clip that was removed earlier and install the fuel line. Pull the connector and ensure it is locked in place.
24. Add the fuel that was removed earlier to the fuel tank and install the fuel cap.
25. Install the fuel pump fuse in the PDM.
26. Connect the batteries.
27. Turn the ignition to the ON position (**do not start the vehicle**) and prime the fuel system, while checking for leaks.
28. Install the access panel in the cargo area.
29. Lower the vehicle.
30. Clean a spot on the base label (Form WAR259) and attach a completion sticker for FL640 (Form WAR260) to the base label.