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CAL FTL 54005

Subject: Vehicle Updates to Prevent Damage Due to Mis-Installed Headlamp Bulbs

**Models Affected: All Freightliner New Cascadia vehicles built in
model years 2017 through 2020 with optional halogen headlamps**

Our records indicate that you are the owner of certain New Cascadia vehicles built in model years 2017 through 2020 with optional halogen headlamps. As such, DTNA has decided to share the following documentation with you.

In order to minimize the risk of a heat damaged headlamp, or progressive damage to a vehicle due to an improperly installed halogen headlamp bulb, we are providing you with the following instructions.

Please see the attached communication in this email. We hope you find this information helpful.

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Work Instructions

Subject: Vehicle Updates to Prevent Damage Due to Mis-Installed Headlamp Bulbs

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Parts

Parts		
Part Number	Part Description	Quantity
66-19944-000	Foam Grommet	4
24-02029-000	Warning Label	2

Table 1, Parts Table

Installation Instructions

1. Park the vehicle, shut down the engine, and apply the parking brakes. Chock the tires.
2. Open the hood.

NOTE: The splash shields do not need to be removed from the hood to cut sight holes in them.

3. Using a hole saw, cut a 2" (5.08 cm) sight hole in each of the hood-mounted splash shields. This is to enable easier viewing of the outboard (low-beam) bulbs and to help with verifying proper installation. See [Fig. 1](#) and [Fig. 2](#).

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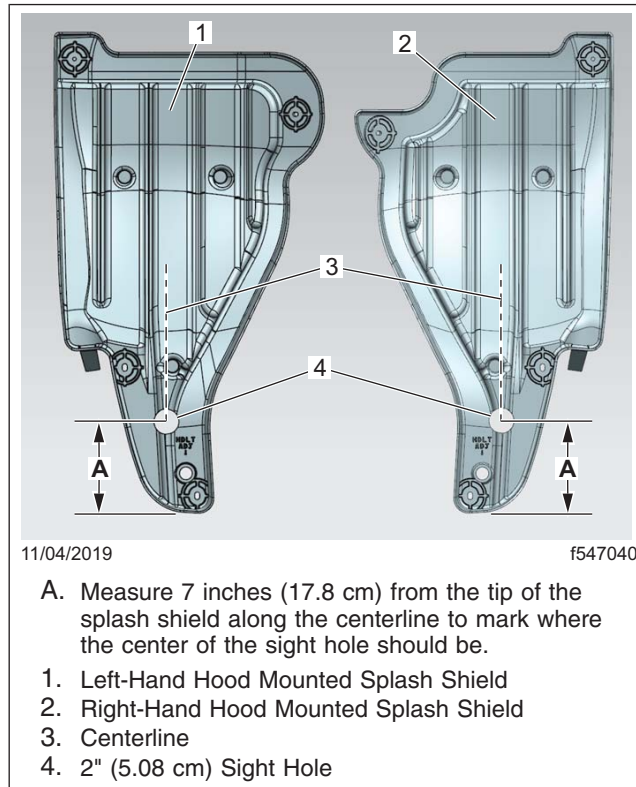


Fig. 1, Hood-Mounted Splash Shields Hole Locations

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Fig. 2, Right-Hand Splash Shield With Sight Hole

4. For each of the four headlight bulbs, replace the rubber boot with a foam grommet (part number 66-19944-000).
 - 4.1 Remove the covers from the lamp cavities in the hood. See Fig. [Fig. 3](#). Let them hang on the harness.

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Fig. 3, Lamp Cavity Covers

NOTE: Finger oils can damage halogen bulbs. Only handle a halogen bulb by its connector.

- 4.2 Without unplugging the harness, remove the bulbs and set them aside.
- 4.3 Remove the rubber boots from the headlamp housings and discard them. See [Fig. 4](#) and [Fig. 5](#).



Fig. 4, Removing a Rubber Boot

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Fig. 5, Removed Rubber Boot

- 4.4 Insert the foam grommets into the headlamp housings. Push all edges inside the housing and ensure the foam does not interfere with the bulb mounting interface. See [Fig. 6](#) and [Fig. 7](#).

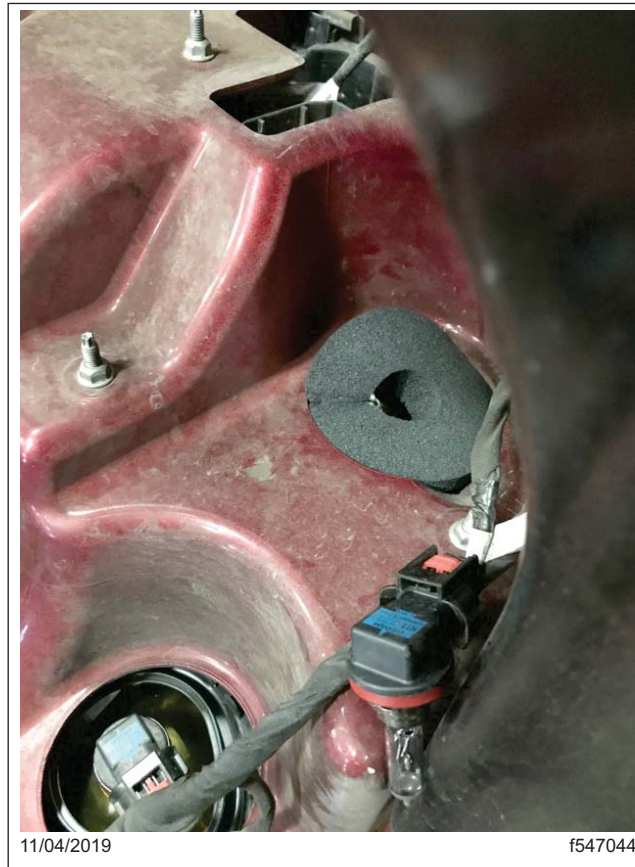


Fig. 6, Inserting the Foam Grommet

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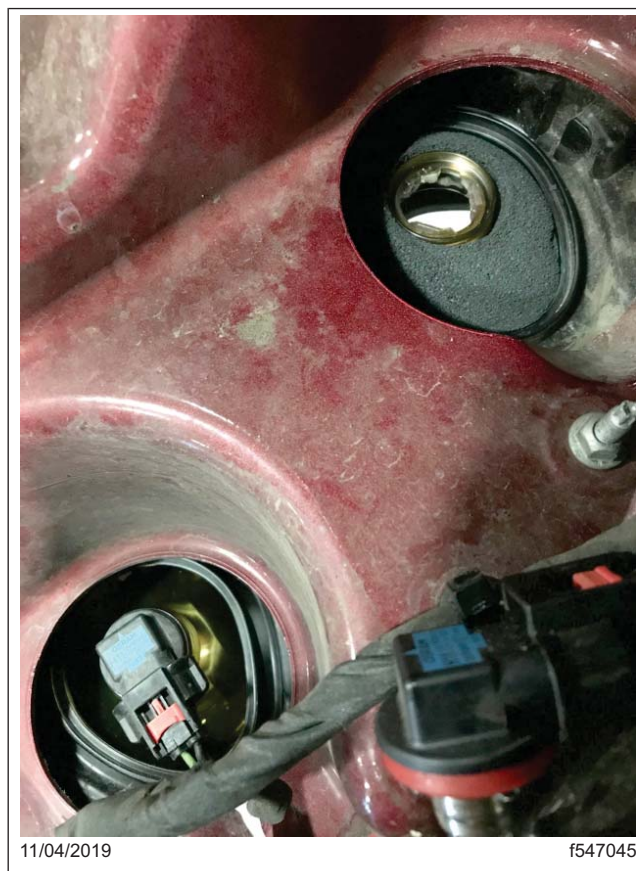


Fig. 7, Foam Grommet in Place

- 4.5 Install all four bulbs. See [Fig. 8](#).

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Fig. 8, Bulb Installed with Foam Grommet

- 4.6 Look through the sight holes cut in the splash shields to verify each bulb's alignment.
- 4.7 Install all four lamp cavity covers in the hood. See [Fig. 9](#).

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Fig. 9, Lamp Cavity Covers Properly Installed

5. Clean two spots and install the warning labels (part number 24-02029-000) on each side of the hood. See [Fig. 10.](#)

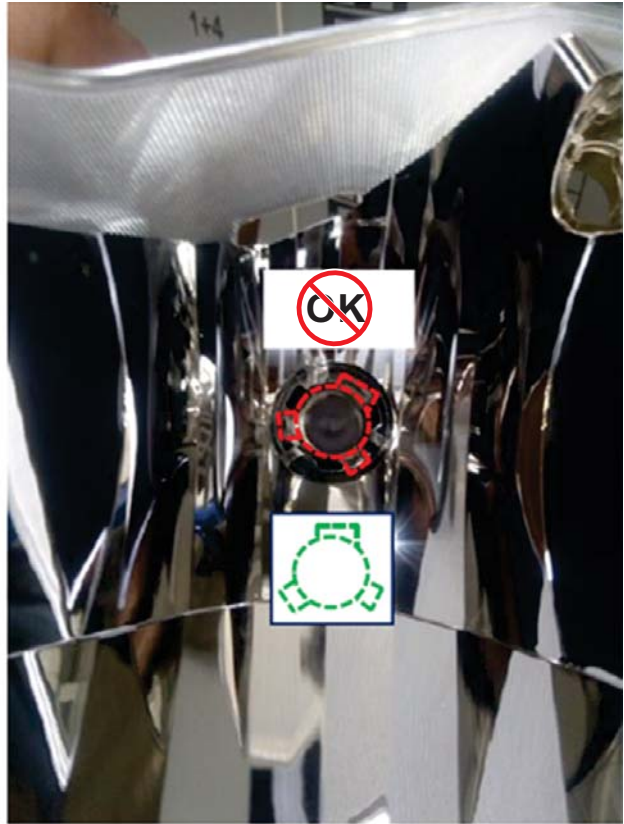
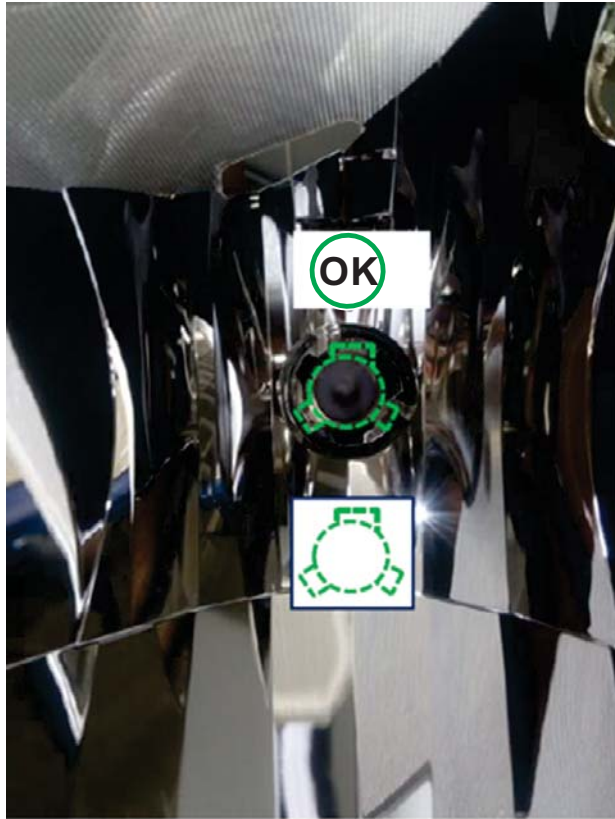
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Fig. 10, Left-Hand Warning Label and Location (Right-Hand Similar)

6. Close the hood.
7. Verify all four bulbs are fully seated in their sockets by looking through the headlamp lens. See [Fig. 11](#) to see what proper installation should look like.

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Fig. 11, View Through Headlamp Lens to Verify Bulbs are Fully Seated

