

Diagnostic Trouble Codes (DTC) For The Engine Pre-Heat Relay: Supplementary Instructions



> Internal Content

IMPORTANT

This solution does not apply to vehicles manufactured prior to US10+OBD13 emissions. For vehicles with previous emissions levels, ONLY the component found to be the cause of the issue should be replaced.

PARTS

Verify that an applicable part is currently installed. Affected Supply Power Cable part numbers (current as of June 2019) are:

- 23122110 11L
- 23122112 13L
- 23122116 13L

Impact should always be reviewed for the latest part information.

REPAIR

Prior to replacing the relay:

- 1. Complete diagnostic steps for the applicable code(s) in Premium Tech Tool.
- 2. Verify proper terminal tension of all connections at both the heating element and the relay, including the plug-style connector.
- 3. Check for software updates available for the EMS:
 - If there is a software update available: Update the software. Proceed to the next section.
 - If the software is current: Proceed to the next section.

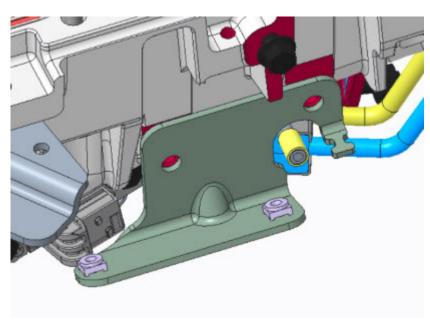
If all diagnostic steps indicate that the relay is the faulty component:

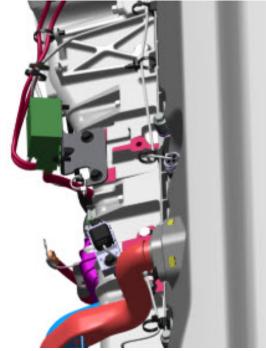


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- Nepiace Dout the Fie-Heat relay (F/N 20032004) and the ouppiy Power Cable.

• Install the newly updated bracket design with 2 mounting locations (P/N 24399742). See illustration below.





8/30/22, 11:40 AM Article



13L

- Replace **both** the Pre-heat relay (P/N 23692384) and the Supply Power Cable.
- Install the newly updated bracket design with 2 mounting locations (P/N 23803412). See illustration below.

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