

# MIL "ON" DTC P1235

**Service Category** Engine/Hybrid System

**Section** Engine Control

**Market** USA

Scion Supports  
ASE Certification 

## Applicability

| YEAR(S) | MODEL(S) | ADDITIONAL INFORMATION |
|---------|----------|------------------------|
| 2013    | FR-S     |                        |

## Introduction

Some 2013 model year Scion FR-S vehicles may exhibit a MIL "ON" condition with Diagnostic Trouble Code (DTC) P1235 (High Pressure Fuel Pump Circuit). The Engine Control Module/ECM (SAE term: Powertrain Control Module/PCM) logic has been revised to address this condition. Use the following repair procedure for ECM (PCM) reprogramming.

## Production Change Information

This bulletin applies to vehicles produced **BEFORE** the Production Change Effective VIN shown below.

| MODEL | PLANT | PRODUCTION CHANGE EFFECTIVE VIN |
|-------|-------|---------------------------------|
| FR-S  | GUNMA | JF1ZNAA1#D#710670               |

## Warranty Information

| OP CODE | DESCRIPTION             | TIME | TRANS | OFP                        | T1 | T2 |
|---------|-------------------------|------|-------|----------------------------|----|----|
| EG1221  | Reprogram the ECM (PCM) | 0.4  | AT    | SU003-00433<br>SU003-04521 | 8A | 99 |
|         |                         |      | MT    | SU003-00434<br>SU003-04522 |    |    |

### APPLICABLE WARRANTY

- This repair is covered under the Toyota Federal Emission Warranty. This warranty is in effect for 96 months or 80,000 miles, whichever occurs first, from the vehicle's in-service date.
- Warranty application is limited to occurrence of the specified condition described in this bulletin.

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### Parts Information

| TRANS | PREVIOUS PART NUMBER       | CURRENT PART NUMBER | PART NAME                      | QTY |
|-------|----------------------------|---------------------|--------------------------------|-----|
| AT    | SU003-00433<br>SU003-04521 | SU003-04567         | Computer, Engine Control       | –   |
| MT    | SU003-00434<br>SU003-04522 | SU003-04568         |                                | –   |
| –     | 00451-00001-LBL            | Same                | Authorized Modification Labels | 1   |

**NOTE**

- The ECM (PCM) should NOT be replaced as part of the repair procedure.
- Authorized Modification Labels may be ordered in packages of 25 from the Materials Distribution Center (MDC) through Dealer Daily – Dealer Support Materials Orders.

### Calibration Information

| MODEL | TRANSMISSION | PREVIOUS CALIBRATION ID | NEW CALIBRATION ID       |
|-------|--------------|-------------------------|--------------------------|
| FR-S  | AT           | ZA1J900D<br>ZA1J700D    | <a href="#">ZA1JA00D</a> |
|       | MT           | ZA1J900C<br>ZA1J700C    | <a href="#">ZA1JA00C</a> |

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### Required Tools & Equipment

| REQUIRED EQUIPMENT  | SUPPLIER | PART NUMBER                 | QTY |
|---|----------|-----------------------------|-----|
| TIS Techstream*<br>or<br>Techstream Lite<br><br>NOTE: Software version 7.31.003 or later is required. | ADE      | TSPKG1<br>or<br>TSLITEDLR01 | 1   |

**NOTE**

- Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787.
- The Diagnostic Tester is NOT recommended for flash reprogramming with this calibration file. Please use TIS Techstream or an approved J2534 interface to perform this update. Visit [techinfo.toyota.com](http://techinfo.toyota.com) for more information regarding J2534 reprogramming.



| SPECIAL SERVICE TOOLS (SST)     | PART NUMBER                 | QTY |
|---------------------------------|-----------------------------|-----|
| GR8 Battery Diagnostic Station* | <a href="#">00002-MCGR8</a> | 1   |

**NOTE**

Additional SSTs may be ordered by calling 1-800-933-8335.

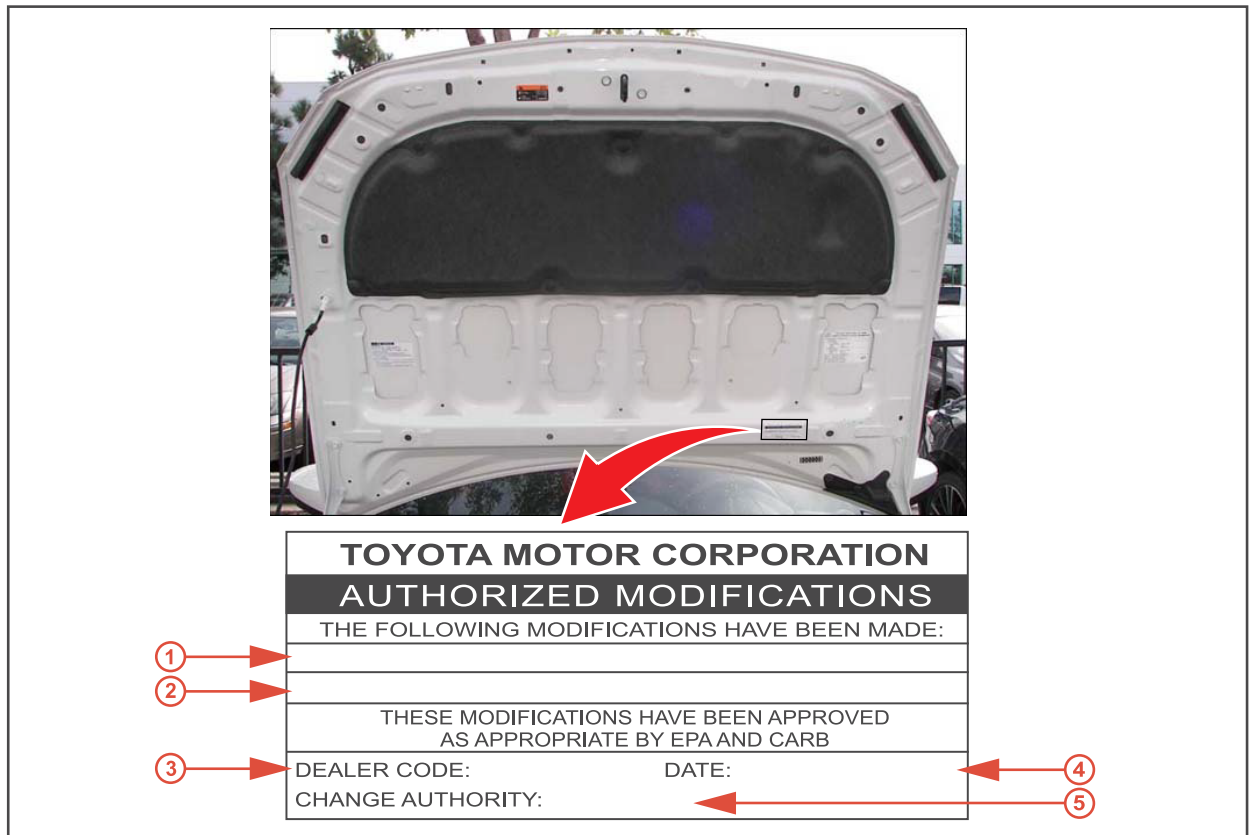
\* Essential SST.

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## Repair Procedure

1. Confirm DTC P1235 is set.
2. Check for the Authorized Modifications Label affixed to the vehicle in the location shown in Figure 1. Confirm if the ECM (PCM) calibration has been updated. If the calibration ID listed is NOT the latest ECM (PCM) calibration — go to step 3.

**Figure 1. Location of Authorized Modifications Label on 2013 FR-S**



|          |   |
|----------|---|
| <b>1</b> | Replacement ECM (PCM) Part Number (i.e., SU003-04567) |
| <b>2</b> | New Calibration ID(s) (i.e., ZA1JA00D)                |
| <b>3</b> | Dealer Code   |

|          |                |
|----------|----------------|
| <b>4</b> | Date Completed |
| <b>5</b> | This SB Number |

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### Repair Procedure (Continued)

- Flash reprogram the ECM (PCM).

**NOTE**

- The GR8 Battery Diagnostic Station **MUST** be used in Power Supply Mode to maintain battery voltage at 13.5 volts while flash reprogramming the vehicle.
- For details on how to use the GR8 Battery Diagnostic Station, refer to the [GR8 Instruction Manual](#) located on the Technical Information System (TIS), *Diagnostics – Tools & Equipment – Battery Diagnostics*.

Follow the procedures outlined in Service Bulletin No. [S-SB-0003-10](#), "Techstream ECU Flash Reprogramming Procedure", and flash the ECM (PCM) with the NEW calibration file update.

- Install the Authorized Modifications Label.
  - Using a permanent marker, enter the following information on the label:
    - ECM part number [Refer to the **Parts Information** section for the **CURRENT PART NUMBER**]
    - Calibration ID(s) [Refer to the **Calibration Identification Chart** for the **NEW CALIBRATION ID**]
    - Dealer Code
    - Repair Date
    - Change Authority [**This bulletin number**]
  - Affix the Authorized Modifications Label to the vehicle at the location shown in Figure 1. The Authorized Modifications Label is available through the MDC, P/N 00451-00001-LBL.
- Start the engine and warm it up to normal operating temperature and test drive to confirm proper vehicle operation.