

CERTAIN 2017 MODEL YEAR FUSION VEHICLES WITH A 2.5L ENGINE WITHOUT ACTIVE GRILLE SHUTTERS — POWERTRAIN CONTROL MODULE REPROGRAMMING

OVERVIEW

In some of the affected vehicles, if the ignition is briefly powered on and off, the PCM may not fully complete the shutdown process. As a result, the PCM will remain powered which results in excessive current draw and can lead to a drained battery. Dealers are to charge and test the vehicle's battery, replace the battery if needed, and reprogram the PCM using Integrated Diagnostic System (IDS) release 107.03 or higher.

In the interest of customer satisfaction, it is recommended that dealers perform this service action on any new in-stock vehicles prior to delivery to the customer.

SERVICE PROCEDURE

Module Reprogramming

1. Charge and test the battery. Please follow the Workshop Manual (WSM) procedures in Section 414-01.
2. Does the battery pass the battery condition test?

Yes – proceed to Step 3.

No – replace the battery. Refer to WSM, Section 414-01, then proceed to Step 3.

NOTE: Reprogram appropriate vehicle modules before performing diagnostics and clear all DTCs after programming. For DTCs generated after reprogramming, follow normal diagnostic service procedures.

3. Reprogram the powertrain control module (PCM) using Integrated Diagnostic System (IDS) release 107.03 or higher.

NOTE: Calibration files may also be obtained at www.motorcraftservice.com.

NOTE: Follow the IDS on-screen instructions to complete the reprogramming procedure.

4. Disconnect the battery charger from the 12V battery once the reprogramming has completed.



Important Information for Module Programming

NOTE: When programming or reprogramming a module, use the following basic checks to ensure programming completes without errors.

- Make sure the 12V battery is fully charged before carrying out the programming steps and connect IDS/scan tool to a power source.
- Inspect Vehicle Communication Module (VCM) and cables for any damage. Make sure scan tool connections are not interrupted during programming.
- A hardwired connection is strongly recommended.
- Turn off all unnecessary accessories (radio, heated/cooled seats, headlamps, interior lamps, HVAC system, etc.) and close doors.
- Disconnect/depower any aftermarket accessories (remote start, alarm, power inverter, CB radio, etc.).
- Follow all scan tool on-screen instructions carefully.
- Disable IDS/scan tool sleep mode, screensaver, hibernation modes.
- Create all sessions key on engine off (KOEO). Starting the vehicle before creating a session will cause errors within the programming inhale process.

Recovering a module when programming has resulted in a blank module: **NEVER DELETE THE ORIGINAL SESSION!**

- a. Obtain the original IDS that was used when the programming error occurred during module reprogramming (MR) or programmable module installation (PMI).
- b. Disconnect the VCM from the data link connector (DLC) and the IDS.
- c. Reconnect the VCM to IDS and then connect to the DLC. Once reconnected, the VCM icon should appear in the corner of the IDS screen. If it does not, troubleshoot the IDS to VCM connection.
- d. Locate the original vehicle session when programming failed. This should be the last session used in most cases. If not, use the session created on the date that the programming failed.

NOTE: If the original session is not listed in the previous session list, click the Recycle Bin icon at the lower right of the previous session screen. This loads any deleted sessions and allows you to look through them. Double-click the session to restore it.

- e. Once the session is loaded, the failed process should resume automatically.
- f. If programming does not resume automatically, proceed to the Module Programming menu and select the previously attempted process, PMI or MR.
- g. Follow all on-screen prompts/instructions.
- h. The last screen on the IDS may list additional steps required to complete the programming process. Make sure all applicable steps listed on the screen are followed in order.

