

## CERTAIN 2017 MODEL YEAR F-150 VEHICLES EQUIPPED WITH AN 8” INSTRUMENT PANEL CLUSTER DISPLAY — REPROGRAM INSTRUMENT PANEL CLUSTER

### **NEW !** OVERVIEW

The affected vehicles fail to conform to Federal Motor Vehicle Safety Standard (FMVSS) 102 for Transmission Shift Lever Sequence, Starter Interlock, Transmission Braking Effect and additional FMVSS standards governing warning indicators. Immediately after engine start up in cold ambient temperatures, the transmission shift position indicator located in the instrument panel cluster (IPC) may not illuminate and display the transmission gear selection, increasing the risk of injury or crash from unintended vehicle movement. In addition, an inoperative IPC display may prevent activation of certain warning chimes, messages, and warning lights.

Before demonstrating or delivering any new in-stock vehicles involved in this recall, dealers are to reprogram the IPC, using Integrated Diagnostic Software (IDS) release **105.05** or higher.

### **NEW !** SERVICE PROCEDURE

#### Module Reprogramming

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

1. Connect a battery charger to the 12V battery.

**NOTE:** *The IPC reprogramming can take up to 45 minutes.*

2. Reprogram the IPC using IDS release **105.05** or higher.

**NOTE:** Calibration files may also be obtained at [www.motorcraftservice.com](http://www.motorcraftservice.com).

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

3. 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.

