

**FORD:**

2012-2015 Focus

**ISSUE**

Some 2012-2015 Focus Electric vehicles may exhibit a concern with a discharged 12 volt battery.

**ACTION**

Follow the Service Procedure steps to correct the condition.

**SERVICE PROCEDURE**

1. Disconnect the 12 volt battery. Refer to Workshop Manual (WSM), Section 414-01.
2. Connect the Rotunda Midtronics GR1-190 or GRX-3590 Diagnostic Battery Charger to the vehicle's battery terminal posts only. Battery cables must be removed and no other connections, such as body ground, can be in the circuit during testing.
  - a. Select diagnostic fast charge.
  - b. On GR1-190 only - select above 400 km (250 miles) or below 400 km (250 miles) based on vehicle mileage.
  - c. Select battery type lead acid.
  - d. Enter cold cranking amp (CCA) rating of 390 CCA.
3. Did the battery pass the diagnostic fast charge test?
  - a. Yes - allow battery to fully charge. After charging is complete, reconnect the 12 volt battery. Refer to WSM, Section 414-01. Proceed to Step 4.
  - b. No - record the failure code. Replace the battery. Refer to WSM, Section 414-01. Make sure the new 12 volt battery is fully charged. Using Integrated Diagnostic System (IDS) service tool, perform the battery monitoring system (BMS) reset after the new battery is connected. Proceed to Step 4.
4. Reprogram the powertrain control module (PCM) to the latest calibration using IDS release 96.05 or higher. Make sure you are connected to the internet when entering module programming to obtain the latest updates. Calibration files may also be obtained at [www.motorcraftservice.com](http://www.motorcraftservice.com).
  - a. When module programming is initiated for the PCM, the IDS will check for coordinated software updates for the following modules: anti-lock brake system (ABS), battery energy control module (BECM), secondary on-board diagnostic control module (SOBDM), PCM and transmission control module (TCM). Follow the scan tool instructions to reprogram all affected modules.
  - b. Inspect the vehicle communication module (VCM) and cables for any damage. Make sure scan tool connections are not interrupted during programming.
  - c. Connect the VCM to the vehicle's primary data link connector (DLC). Do not connect the VCM to the gateway module (GWM) DLC.
  - d. Turn off all accessories (radio, heated/cooled seats, headlamps, interior lamps, heating, ventilation and air conditioning (HVAC) system) and close the doors.
  - e. Disconnect any aftermarket accessories.
  - f. Disable sleep mode, screen saver and hibernation modes on the computer used for IDS.

NOTE: The information contained in Technical Service Bulletins is intended for use by trained, professional technicians with the knowledge, tools, and equipment to do the job properly and safely. It informs these technicians of conditions that may occur on some vehicles, or provides information that could assist in proper vehicle service. The procedures should not be performed by "do-it-yourselfers". Do not assume that a condition described affects your car or truck. Contact a Ford, Lincoln, or Mercury dealership to determine whether the bulletin applies to your vehicle. Warranty Policy and Extended Service Plan documentation determine Warranty and/or Extended Service Plan coverage unless stated otherwise in the TSB article. The information in this Technical Service Bulletin (TSB) was current at the time of printing. Ford Motor Company reserves the right to supersede this information with updates. The most recent information is available through Ford Motor Company's on-line technical resources.

- g. Create all IDS vehicle sessions with key on engine off (KOEO). Starting the vehicle before creating a session will cause errors within the programming inhale process.
  - h. Connect a battery charger to the 12 volt battery.
5. Was the vehicle built on or before 11/21/2014?
- a. No - procedure complete.
  - b. Yes - reprogram the GWM. Proceed to Step 6.
6. Was the vehicle built on or before 9/2/2013?
- a. No - procedure complete.
  - b. Yes - check the telematics control unit (TCU) build date / part number. Proceed to Step 7.
7. Is the TCU suffix part letter A or B?
- a. No - procedure complete.
  - b. Yes - replace the TCU. Refer to WSM, Section 415-00.

PART NUMBER	PART NAME
BXT-67R	12 V Battery
DM5Z-19A387-C	Telematics Control Unit

OPERATION	DESCRIPTION	TIME
150134A	2012-2015 Focus Electric: Diagnose And Charge Battery, Reprogram Modules (Do Not Use With Any Other Labor Operations)	0.7 Hr.
150134B	2012-2015 Focus Electric: Diagnose And Replace Battery, Reprogram Modules (Do Not Use With Any Other Labor Operations)	0.8 Hr.
150134C	2012-2015 Focus Electric: Diagnose And Charge Battery, Reprogram Modules, Inspect TCU (Do Not Use With Any Other Labor Operations)	1.1 Hrs.
150134D	2012-2015 Focus Electric: Diagnose And Charge Battery, Reprogram Modules, Replace TCU (Do Not Use With Any Other Labor Operations)	1.2 Hrs.
150134E	2012-2015 Focus Electric: Diagnose And Replace Battery, Reprogram Modules, Inspect And Replace TCU (Do Not Use With Any Other Labor Operations)	1.4 Hrs.

**WARRANTY STATUS:**

Eligible Under Provisions Of New Vehicle Limited Warranty Coverage

Warranty/ESP coverage limits/policies/prior approvals are not altered by a TSB. Warranty/ESP coverage limits are determined by the identified causal part and verified using the OASIS part coverage tool.

**DEALER CODING**

BASIC PART NO.	CONDITION CODE
19A387 (Vehicles Built On Or Before 9/26/2013)	04
14F642 (Vehicles Built On 9/27/2013 And Through 11/21/2014)	04
67R (Vehicles Built On Or After 11/22/2014)	04