



## STAR ONLINE PUBLICATION



**Case Number:** S2308000004

**Release Date:** January 2023

**Symptom/Vehicle Issue:** Vehicle Cranks, No Start

**Customer Complaint/Technician Observation:** Owner complains of no start concern. Technician observed the vehicle is setting multiple faults in the Body Control Module (BCM) and the Electronic Control Module (ECM/PCM).

### BCM

B1081-86 ECM Fire Protection Strategy (FPS) -Signal Invalid

### PCM

P1300-00 Flywheel Self Learning End of Line (EOL)

P008A-00 Fuel Pump "A" Control Circuit Range/Performance Low

P0087-00 Fuel Rail/System Pressure – Too Low Bank 1

**Repair Procedure:** Verify all ECM/PCM B+ feeds and grounds are good and verify proper power and grounds at the fuel pump module for proper operations. Use the scan tool to actuate the fuel pump relay command to "On" to validate the operation of the fuel pump.



### Fuel Pump Relay Command

ECU: ECM

Running:No

Make the desired start option selections and press 'Start'.

Fuel Pump Relay  
Command

Selected: Off ▾

✕ Exit

⚙ Start

Repair any wiring issues to ensure proper operation if the pump does not run.

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**Contact STAR Center, or your Technical Assistance Center Via TechCONNECT or eCONTACT ticket if no solution is found**



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If the vehicle had set, Diagnostic Trouble Code (DTC) B1081-86 ECM Fire Protection Strategy (FPS) - Signal Invalid. Use the scan tool to run the FPS actuate procedure to re-enable vehicle functionality as shown below and clear DTC once complete.

The screenshot shows the STAR Online software interface. On the left is a navigation menu with categories: Vehicle, Selection, Action Items, ECU List (highlighted), Activities, and Utilities. The main area displays the BCM (Body Controller) configuration page. At the top, it says 'BCM Body Controller'. Below this are four tabs: Flash, DTCs, Data, and Misc Functions (highlighted). Under the Misc Functions tab, there is a list of functions with the following names: Anti-Theft information, BCM replacement, BCM transfer secret key to ECM, BCM transfer secret key to ESL, Blinking Lights Configuration, Change Country Code, Exit Logistic Mode, and Fire Protection System Activate (which has a red checkmark next to it).



### Fire Protection System Activate

This routine is for use when FPS sensor (Fire Protection System) was activated (if activated blocks the fuel flow). This procedure must be run to re-enable vehicle functionality.

Cancel

Continue

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