

October 18, 2024

Version 1

MIL On with Stored DTC P145E (EVAP System Purge Flow Malfunction 2)

APPLIES TO

Year	Model	Trim Level	VIN Range
2023–24	CR-V Hybrid	ALL	ALL

SYMPTOM

The MIL is on with DTC P145E stored (EVAP System Purge Flow Malfunction 2)

POSSIBLE CAUSE

A false pulse detection by the EVAP leak check module (ELCM) pressure sensor, triggered by a specified value due to a near full fuel level. The PCM determines an abnormality and stores the DTC.

CORRECTIVE ACTION

Update the PGM-FI Purge Flow Monitoring software with the i-HDS.

WARRANTY CLAIM INFORMATION

Operation Number	Description	Flat Rate Time	Defect Code	Symptom Code	Template ID	Failed Part Number
1255D8	Update the PGM-FI software.	0.2 hr	03214	03101	A24114A	36162-6MA-M01

Skill Level: Repair Technician

PARTS INFORMATION

NONE

REQUIRED MATERIALS

NONE

TOOL INFORMATION

NONE

CUSTOMER INFORMATION: The information in this bulletin is intended for use only by skilled technicians who have the proper tools, equipment, and training to correctly and safely maintain your vehicle. These procedures should not be attempted by “do-it-yourselfers,” and you should not assume this bulletin applies to your vehicle, or that your vehicle has the condition described. To determine whether this information applies, contact an authorized Honda automobile dealer.

SOFTWARE INFORMATION

NOTE:

- Unnecessary or incorrect repairs resulting from a failure to update the diagnostic and reprogramming software are not covered under warranty.
- Update only the systems and software listed in this service bulletin.
- Before beginning the repair, make sure all diagnostic and reprogramming software are updated as listed:

i-HDS Software Version	1.008.024 or later
HDS Software Version	3.105.028 or later
Honda ECU Reprogramming	3.6.0.0 or later

For more information about updating vehicle systems, refer to service bulletin 22-100, *Updating Control Units/Modules with the ECU Reprogramming Application*.

Do not use the MongoosePRO VCI for this service bulletin as it is not an American Honda approved device.

Year	Model	Trim Level	Vehicle System	Program ID (or later)
2023–24	CR-V Sport Hybrid	ALL	PGM-FI	37805-69F-AY30 37805-69F-AZ30 or 37805-69F-A560

INSPECTION PROCEDURE

1. Do an **ALL DTC Check**.
 - If DTC P145E is stored, go to SOFTWARE UPDATE PROCEDURE and update the PGM-FI software.
 - If DTC P145E is not present, but other DTCs are present, continue with normal troubleshooting.

SOFTWARE UPDATE PROCEDURE

NOTE:

- Make sure the 12-volt battery is fully charged before starting an update.
 - Connect a fully charged jumper battery pack, the Midtronics GR8-110P AST in Power Supply Mode or the Midtronics DCA8-8000 Dynamic Diagnostic Charging System in Reflash Mode, directly to the vehicle's 12-volt battery. Leave it connected during the entire procedure to maintain a steady voltage.
 - If the vehicle's 12-volt battery drops below 10 volts during the update, the programming status bar may not present accurately, or the Honda ECU Reprogramming application may display an error message.
 - Control module failure caused by the improper completion of a software update (early key cycle, low battery voltage, disconnected DLC cable, etc.) is not covered by warranty.
 - If an error occurs during the update or the i-HDS freezes, do not disconnect the battery or turn the ignition to OFF. Reboot the i-HDS and start over.
 - To prevent control unit damage, do not operate anything electrical (headlights, audio system, brakes, A/C, power windows, door locks, etc.) during the update.
 - Warranty reimbursement for technician labor is not allowed for routine checking/installation of any available software update.
1. Update the PGM-FI software, see service bulletin 22-100, *Updating Control Units/Modules with the Honda ECU Reprogramming Application*.
 2. Do an **ALL DTC Check** to clear any codes that may have set during the update.