

July 26, 2023

Version 1

After Idle Stop Engages, Vehicle Does Not Auto Restart

AFFECTED VEHICLES

Year	Model	Trim	VIN Range
2018–19	Odyssey	Elite, Touring	ALL
2020–22	Odyssey	ALL	ALL
2023	Odyssey	ALL	5FNRL6...PB00001 thru 5FNRL6...PB027460

SYMPTOM

Under certain circumstances, after coming to a stop and the idle stop feature engages, the vehicle may not automatically restart. Typically, the customer can immediately restart the vehicle by selecting Park and pushing the ENGINE START/STOP button.

POSSIBLE CAUSE

The engine may exhibit higher resistance at a certain TDC position than the applied starter torque due to a battery reaching the end of its useful life.

CORRECTIVE ACTION

Update the PGM-FI software.

NOTE: The software update will decrease the idle stop operating range. As a result, the customer may notice reduced idle stop engagement when their vehicle's battery is approaching the end of its useful life.

WARRANTY CLAIM INFORMATION

The normal warranty applies.

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	03217	A23027A	37805-5MR-C12

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.

Before beginning the repair, make sure all diagnostic and reprogramming software are updated as listed.

i-HDS Software Version	1.008.020 or later
HDS Software Version	3.105.009 or later
Honda ECU Reprogramming	3.6.0.0
J2534 rewrite Version	1.00.0034
J2534 Rewrite Database Update	20230414_2492

Update only the systems and software listed in this service bulletin.

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

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

Year/Model	Vehicle System	Program ID (or later)
2018 Odyssey (Elite, Touring)	PGM-FI	37805-5MR-3250
2019 Odyssey (Elite, Touring)	PGM-FI	37805-5MR-4170
2020 Odyssey (LX)	PGM-FI	37850-5MR-4190
2020 Odyssey (EX, EX-L, Elite, Touring)	PGM-FI	37850-5MR-4180
2021 Odyssey ALL	PGM-FI	37805-5MR-C750
2022 Odyssey ALL	PGM-FI	37805-5MR-C930
2023 Odyssey ALL	PGM-FI	37805-5MR-C120

REPAIR PROCEDURE

NOTICE

- 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 DCA-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** and clear any codes that may have set during the update.

END