

July 28, 2023

Version 1

After Idle Stop Engages, Vehicle Does Not Auto Restart

AFFECTED VEHICLES

Year	Model	Trim	VIN Range
2022	MDX	ALL (Except Type S)	ALL
2023	MDX	ALL with 2WD	5J8YD9...PL000001 thru 5J8YD9...PL004277
2023	MDX	ALL with SH-AWD	5J8YE1...PL000001 thru 5J8YE1...PL020064

SYMPTOM

Under certain circumstances, after coming to a stop and the idle stop feature engages, the vehicle may not automatically restart. Typically, the client 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 client 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	B23011A	37805-61A-A22

CLIENT 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 Acura 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)
2022 MDX (2WD) Base, Tech	PGM-FI	37805-61A-A760
2023 MDX (SH-AWD) Base, Tech Adv, A-Spec	PGM-FI	37805-61A-A460
2023 MDX (2WD) Base Tech	PGM-FI	37805-61A-A220
2023 MDX (SH-AWD) Base, Tech. Adv, A-Spec	PGM-FI	37805-61A-A120

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