November 10, 2023   Version 3

Product Update: 2016–23 MDX PGM-FI Idle Stop Software Update
Supersedes 23-001 dated January 27, 2023, to revise the information.

AFFECTED VEHICLES

Year	Model	Trim Level	VIN Range
2016–20	MDX	All (except Hybrid)	Check the iN VIN status for eligibility.
2022–23	MDX	All (except Hybrid & Type S)	Check the iN VIN status for eligibility.

NOTE: No 2021 MDX model year vehicles were produced by Acura.

REVISION SUMMARY

2022–23 MDX vehicles were added to this service bulletin. There are extensive updates and American Honda recommends you review the entire bulletin.

BACKGROUND

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.

CLIENT NOTIFICATION

Owners of affected vehicles will be sent a notification of this product update.

Do an iN VIN status inquiry to verify eligibility.

Some vehicles affected by this campaign may be in your new or used vehicle inventory. Repair these vehicles before they are sold.

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

2016–20 MDX

Operation Number	Description	Flat Rate Time	Defect Code	Symptom Code	Template ID	Failed Part Number
1255G6	Update the PGM-FI Software (Idle Stop)	0.2 hr	6AX00	UCR00	B23001A	37805-5J6-A75

2022–23 MDX

Operation Number	Description	Flat Rate Time	Defect Code	Symptom Code	Template ID	Failed Part Number
1255G6	Update the PGM-FI Software (Idle Stop)	0.2 hr	6AX00	UFY00	B23001B	37805-5J6-A75

Skill Level: Repair Technician

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 ECU Reprogramming Application*.

Year/Model/Trim	Vehicle System	Program ID (or later)
2016 MDX (2WD) ADV	PGM-FI	37805-5J6-5460
2016 MDX (SH-AWD) ADV	PGM-FI	37805-5J6-5470
2017 MDX (2WD) ADV	PGM-FI	37805-5J6-7030
2017 MDX (SH-AWD) ADV	PGM-FI	37805-5J6-7130
2018 MDX (2WD) ADV	PGM-FI	37805-5BN-3360
2018 MDX (SH-AWD) ADV	PGM-FI	37805-5BN-3380
2019 MDX (2WD) BASE, TECH, ADV	PGM-FI	37805-5BN-A750
2019 MDX (SH-AWD) BASE, TECH, ADV, A-Spec	PGM-FI	37805-5BN-A950
2020 MDX (2WD) BASE, TECH, ADV	PGM-FI	37805-5BN-A340
2020 MDX (SH-AWD) BASE, TECH, ADV, A-Spec	PGM-FI	37805-5BN-A540
2022 MDX (2WD) BASE, TECH	PGM-FI	37805-61A-A760

Year/Model/Trim	Vehicle System	Program ID (or later)
2022 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-A8000 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.

3. California residents only: Fill out a Vehicle Emissions Recall – Proof of Correction certificate and use the code specified below as the recall number. Have the service consultant give the certificate to your client and advise them to keep it as proof that the recall was completed. Your client will need to submit this certificate to the DMV only if requested. If you need more certificates, use reorder number Y0657.

Year/Model	Recall Number
2016–20 MDX	UCR
2022–23 MDX	UFY

2016–20 MDX

2022–23 MDX