

September 20, 2022

Version 1

RDX PGM-FI Idle Stop Software Update

AFFECTED VEHICLES

Year	Model	Trim	VIN Range
2020–21	RDX	All	Check the iN VIN status for eligibility.

SYMPTOM

Engine does not auto restart after entering into auto Idle Stop.

POSSIBLE CAUSE

The Idle Stop criteria was incorrect and allowed Idle Stop to engage when battery health is insufficient.

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

Operation Number	Description	Flat Rate Time	Defect Code	Symptom Code	Template ID	Failed Part Number
1255D8	Update the PGM-FI Software (Idle Stop)	0.2 hr	03214	03217	B22017A	37805-5YF-C22

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	1.006.013 or later
HDS Software Version	3.104.014 or later
J2534 Rewrite Software Information	
PC Application Version	1.2.1.1
Database Update	18-FEB-2022 or later
NoticeDB Version	18-FEB-2022 or later

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*.

Year/Model	Vehicle System	Program ID (or later)
2020 RDX Advance	PGM-FI	37805-5YF-A140
2020 RDX Advance (SH-AWD)	PGM-FI	37805-5YF-A240
2020 RDX A Spec, Base, Tech	PGM-FI	37805-5YF-A340
2020 RDX A Spec (SH-AWD), Base (SH-AWD), Tech (SH-AWD)	PGM-FI	37805-5YF-A440
2021 RDX Advance	PGM-FI	37805-5YF-C120
2021 RDX Advance (SH-AWD), LTD (PMC)	PGM-FI	37805-5YF-C220
2021 RDX A Spec, Base, Tech	PGM-FI	37805-5YF-C320
2021 RDX A Spec (SH-AWD), Base (SH-AWD), Tech (SH-AWD)	PGM-FI	37805-5YF-C420

SOFTWARE UPDATE PROCEDURE

NOTICE

- Make sure the 12-volt battery is fully charged before starting an update.
- Connect a fully charged jumper battery to the vehicle, and leave it connected during the entire procedure to maintain a steady voltage.
- Do not use the GR8 because the vehicle requires a steady electrical current.
- Control module failure caused by improperly completing 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.

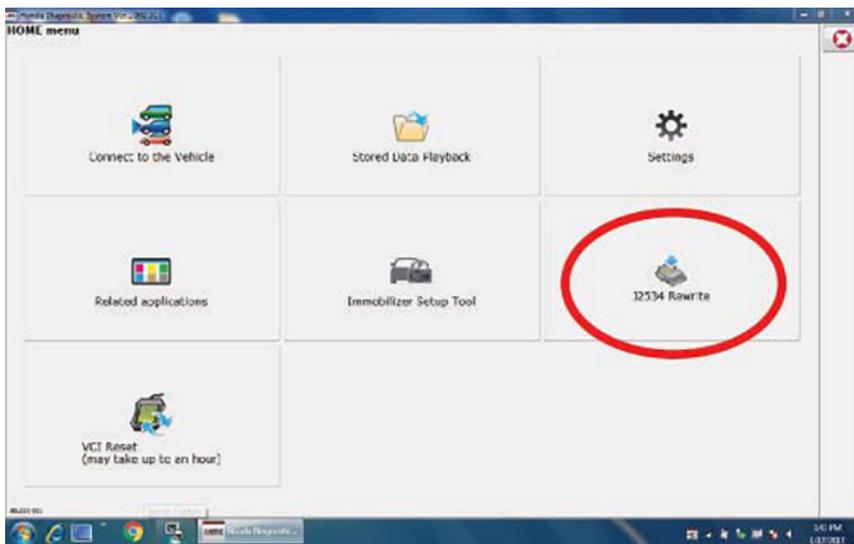
Update the parking system software using the J2534 rewrite software with the DST-i. Refer to service bulletin 22-100, Updating Control Units/Modules.

NOTE: This update will not require entering a service bulletin number.

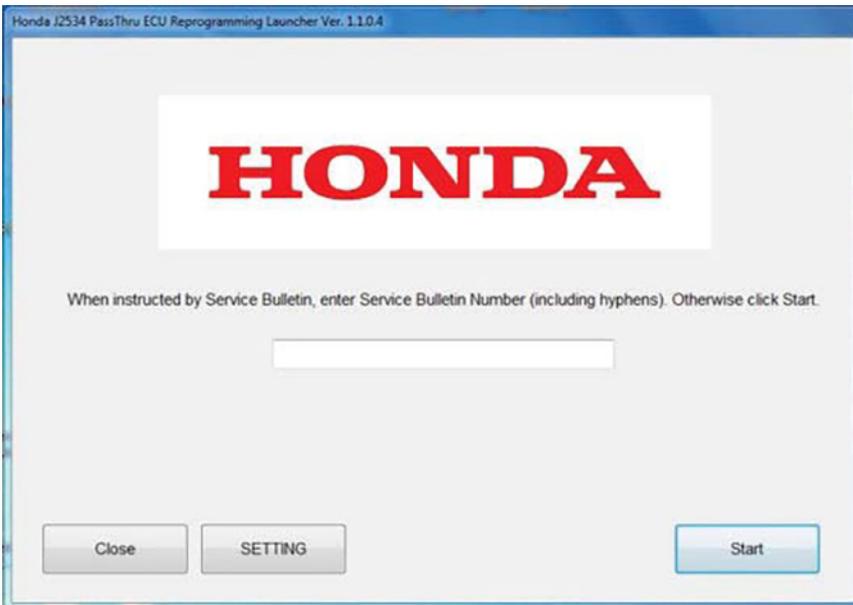
1. From the desktop, select **i-HDS**.



2. From the HOME menu, select the **J2534 Rewrite**.

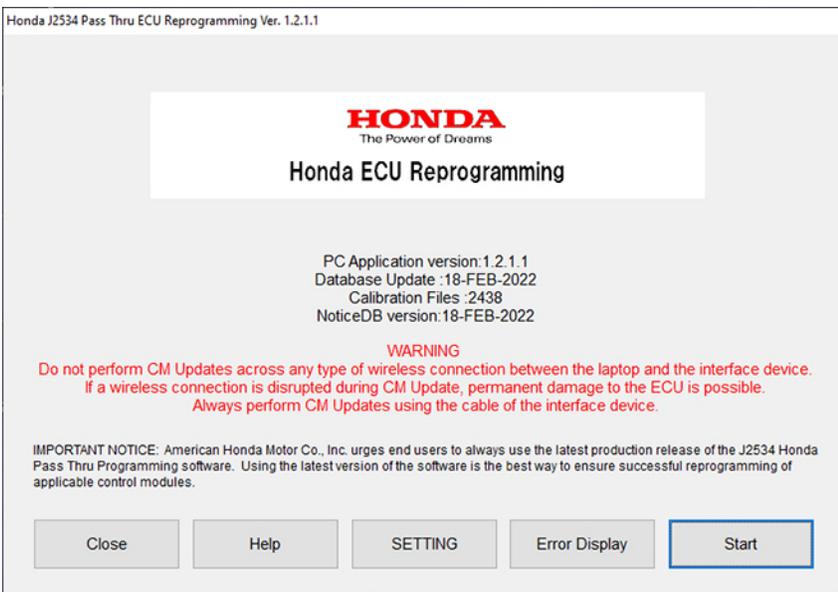


3. When prompted, select **Start**, and do not enter a service bulletin number.



NOTE: Under certain conditions the **HOME** menu screen may come up. If it does, just minimize it to show the screen under it.

4. Connect the i-HDS to the vehicle and select **Start** to begin reprogramming.



5. Follow the screen prompts, then select **Next**.

Honda J2534 Pass Thru ECU Reprogramming Ver. 1.2.1.1

CM Update Mode

FW Ver:
1.2.1.1
Database Update :
18-FEB-2022
Calibration Files :
2438
NoticeDB version
18-FEB-2022

Back Next

6. Enter the VIN and repair order number. Then, select **Next**.

Honda J2534 Pass Thru ECU Reprogramming Ver. 1.2.1.1

VIN & Repair Order

VIN:

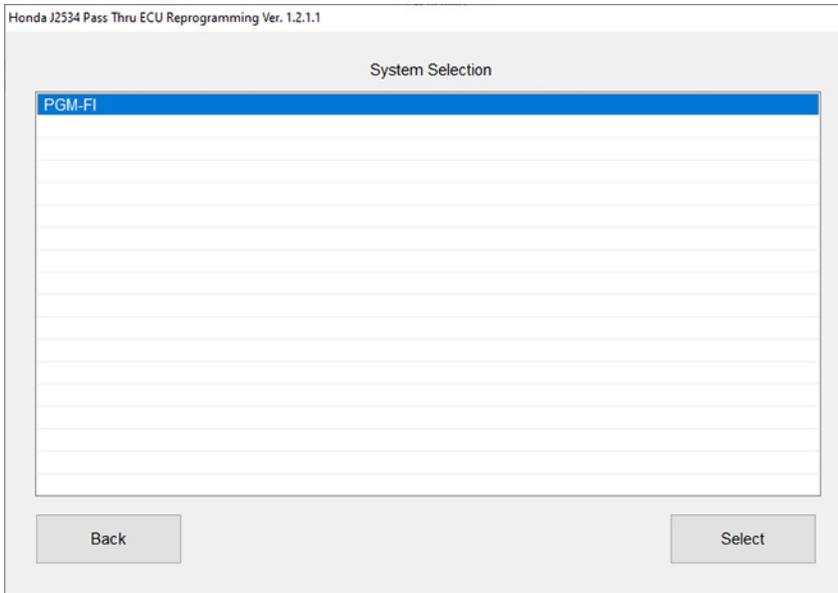
Repair Order#:

Odometer(mile):

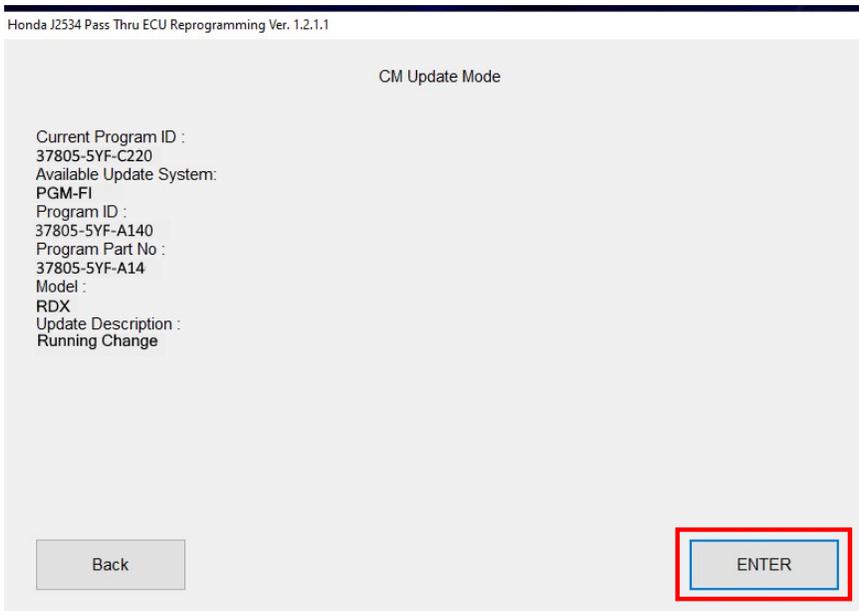
Back Next

7. Select the **PGM-FI**, and then **Select**.

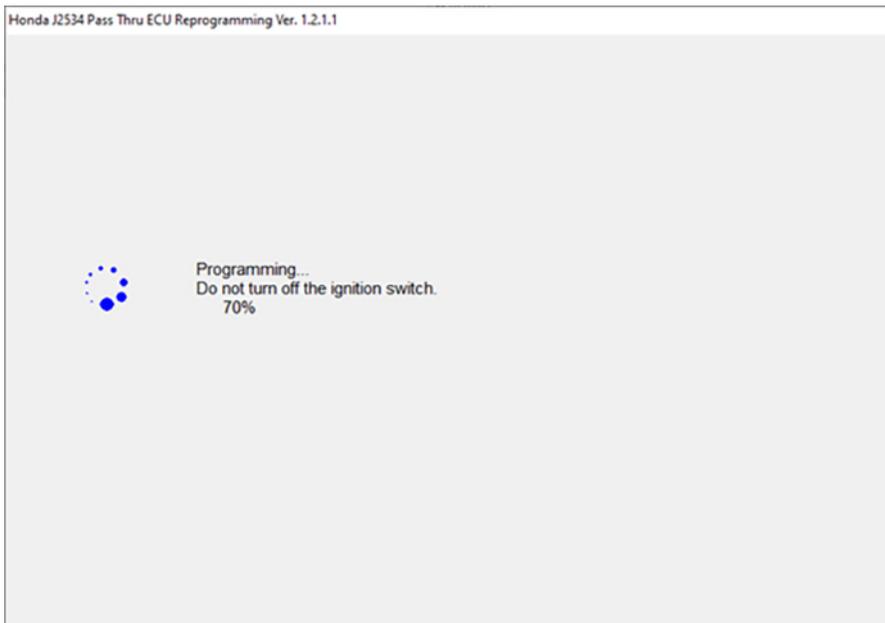
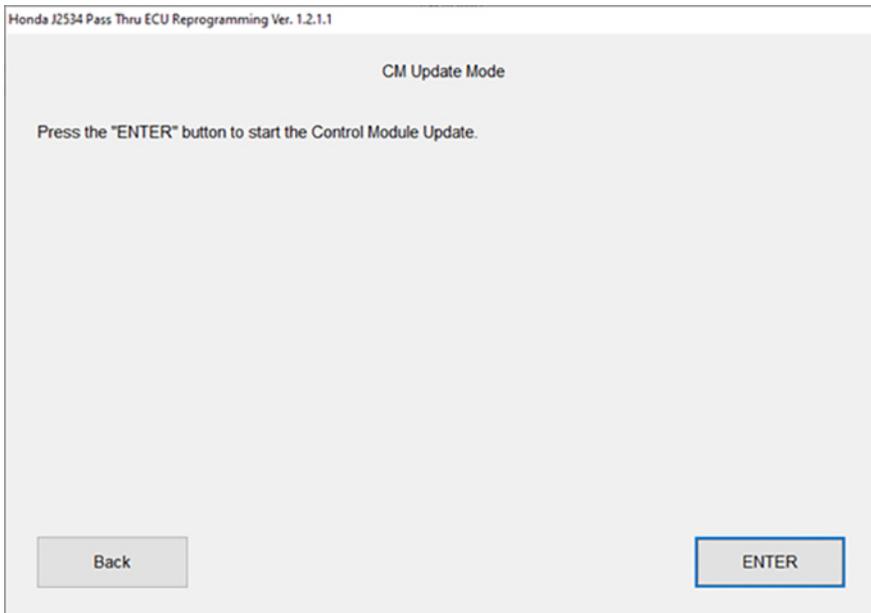
NOTE: Wait until vehicle communication has completed.



8. Confirm the update information, then select **ENTER** to proceed.



9. Select **ENTER** to begin reprogramming, and follow the screen prompts.



CM Update Mode

PGM-FI
Completed.
Turn the ignition switch OFF.

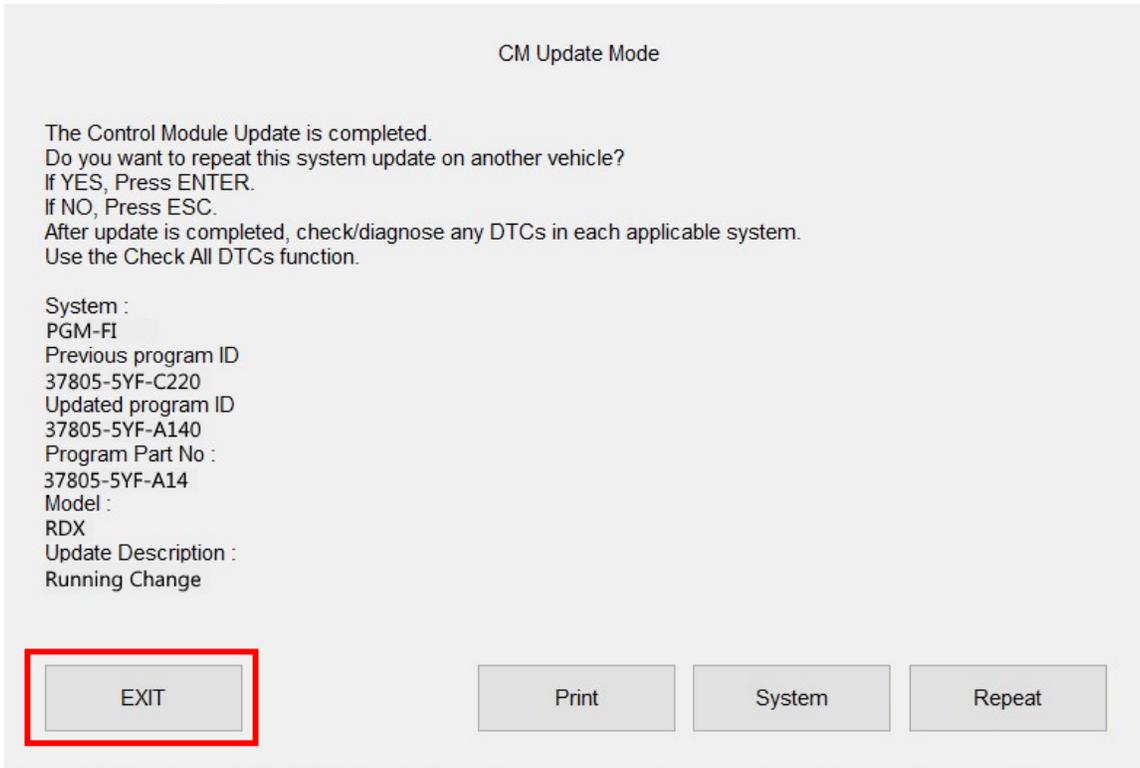
CM Update Mode

Turn the ignition switch ON within 60 seconds.

58 secs to go

10. Once the module is updated, select **EXIT**, and the following screen appears.

Honda J2534 Pass Thru ECU Reprogramming Ver. 1.2.1.1



11. Do an ALL DTC Check then clear any codes set during the update.

END