

March 1, 2017

05809 Version 2

2016 Civic 1.5L Turbo RPM Surges at Highway Speeds (45–70 MPH)

Supersedes 16-028 dated March 17, 2016, see REVISION SUMMARY

AFFECTED VEHICLES

Year	Model	Trim	VIN Range
2016	Civic	1.5L Turbo	ALL

REVISION SUMMARY

This bulletin was extensively revised. American Honda recommends reviewing it in its entirety.

SYMPTOM

There is a surge or rpm fluctuation when travelling at highway speeds between 45–70 mph under light throttle.

POSSIBLE CAUSES

Incorrect learning values in the TCM software.

CORRECTIVE ACTION

Update the TCM's (A/T) software.

NOTE: Depending on the current software in the PCM (PGM-FI), you may have to update it to match the TCM software after you update the TCM.

SOFTWARE INFORMATION

NOTE: Unnecessary or incorrect repairs resulting from a failure to update the i-HDS or MVCI are not covered under warranty.

i-HDS Software Version: **1.002.017 or later**

J2534 Software Information:

PC Application Version **1.1.0.1 or later**

Database update **07-FEB-2017 or later**

Before beginning the repair, make sure that both the i-HDS and J2534 software are updated as listed above.

Do only the update listed in this service bulletin.

You cannot apply the updates with the MVCI as a standalone tool. To update the vehicle you must use the MVCI or the DST-i interface in conjunction with the J2534 Rewrite PC application on the i-HDS.

For more information about updating the i-HDS, the MVCI, and vehicle systems, refer to Service Bulletin 01-023, *Updating Control Units/Modules*.

Trim	Software System	Program ID (or later)	Program P/N (or later)
2016 Civic 1.5L Turbo	A/T	CGA070	28101-5CG-A07

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.

WARRANTY CLAIM INFORMATION

The normal warranty applies.

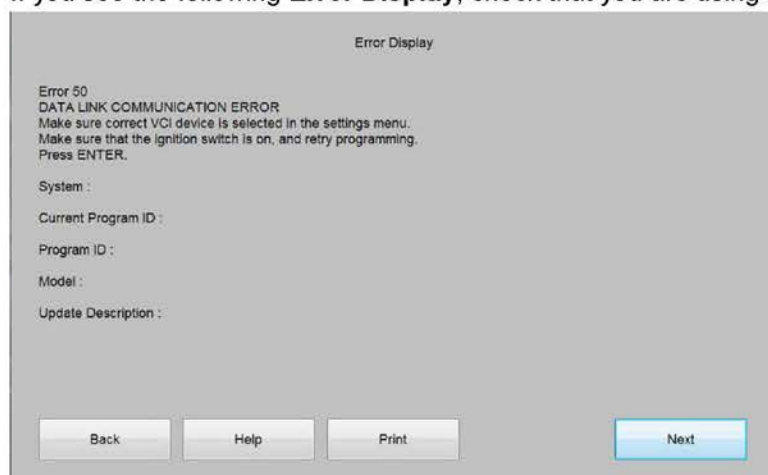
Operation Number	Description	Flat Rate Time	Defect Code	Symptom Code	Template ID	Failed Part Number
2235A2	Update the TCM only.	0.2 hr	03214	09114	16-028B	28101-5CG-A07
2235A2	Update the TCM.	0.2 hr	03214	09114	16-028C	28101-5CG-A07
B	Update the PCM.	0.2 hr				

Skill Level: Repair Technician

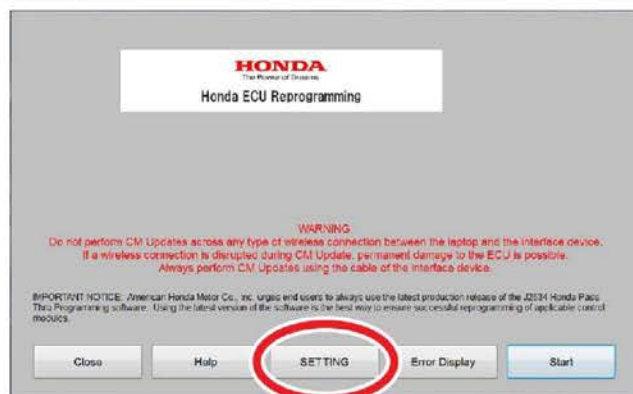
REPAIR PROCEDURE

NOTE:

- You cannot update the vehicle using the MVCI as a standalone tool.
- Do not** use the MongoosePro VCI tool.
- 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 steady voltage.
- Never turn the ignition to OFF or ACCESSORY during the update. If there is a problem with the update, leave the ignition turned to ON.
- To prevent PCM damage, do not operate anything electrical (headlights, audio system, brakes, A/C, power windows, door locks, etc.) during the update.
- If you see the following **Error Display**, check that you are using the correct tool (MVCI or DST-i) with the i-HDS.



To change this, click on either of the **SETTING** selection buttons at the bottom of the J2534 initial screens as shown.

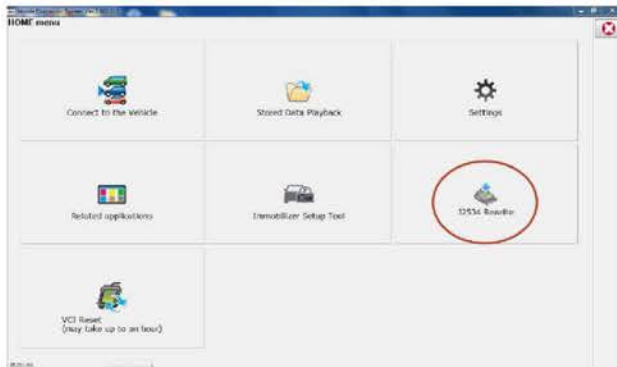


1. Update the PGM-FI or A/T software by selecting the **i-HDS Diagnostic System** icon. Refer to service bulletin 01-023, *Updating Control Units/Modules*.

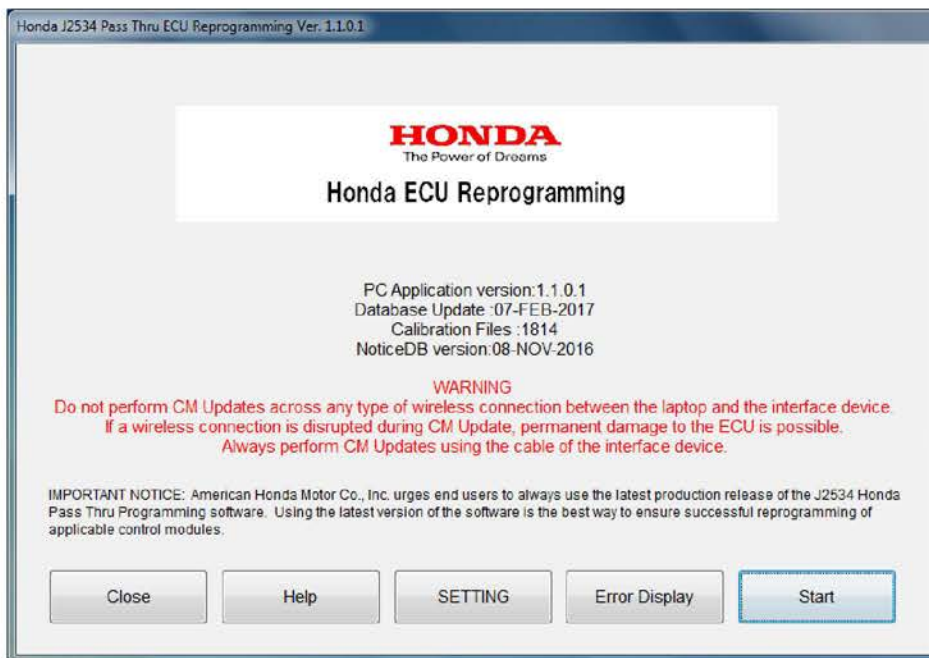
NOTE: Do not use the **Rewrite** icon on your desktop.



2. Select **J2534 Rewrite**.



3. Confirm the software is the same **or later** as listed in SOFTWARE INFORMATION.



4. Select **Start**, then follow the screen prompts.

NOTE:

- **Do not enter a bulletin number.**
- If you receive a message that the vehicle has been already updated or that no update is available, check the transmission data list. The header should indicate one of the following numbers (or later):

28101-5CG-A070

- If the program part numbers do not match those listed above, the i-HDS software needs to be reinstalled. Contact the Special Tools Hotline at **800-346-6327** for assistance.

5. Update the PCM software if necessary to match the TCM software.

Update the PCM to match the TCM software, see table below. Refer to service bulletin 01-023, *Updating Control Units/Modules*.

NOTE: Depending on the current software in the PCM, after updating the TCM you may get a U0301 software mismatch.

PROGRAM ID

Model/Trim	Software System	KA Specification	KL Specification
Civic 1.5L 4D EX-T, EX-L, 2D EX, EX-LT	PGM-FI	37805-5AA-A570 or above	37805-5AA-L570 or above
Civic 1.5L 4D EX-T, EXT-S, EX-L, Touring, 2D Touring	PGM-FI	37805-5AA-A670 or above	37805-5AA-L670 or above

END