

MODEL/YEAR MODÈLE /ANNÉE	DATE OF ISSUE DATE EN VIGUEUR	BULLETIN NUMBER NUMÉRO DU BULLETIN
2006-08 CIVIC HYBRID	AUG. 6, 2010	IV-7-10
Rev. Nov. 16/10 - Information marked by black bars		

PRODUCT UPDATE: NEW SOFTWARE TO HELP PREVENT IMA BATTERY DETERIORATION

Frequent stop-and-go driving with A/C use, especially during warm weather, can keep the IMA battery in a low state-of-charge (SOC). Over time, this causes battery deterioration and eventual failure. To correct the problem, update the PGM-FI software with the HDS and, if needed, update the IMA battery software and the A/T (CVT) software.

NOTE: This software update is needed even if the vehicle was repaired using Service Bulletin IV-11-09, Low-Charged IMA Battery Causes Low Power When Accelerating. As with the previous software update, the new software increases the IMA battery rate of charge, which helps to prevent early battery deterioration.

NOTE: When using HDS version 2.024.006 or later, it will be necessary to input a three-digit code when updating the IMA battery software. The code to use is “YHN”.

AFFECTED VEHICLES:

2006-08 Civic Hybrid..... ALL

*Be sure to perform a **VIN ‘Owner Name and Address Inquiry’** prior to performing any work under this Product Update Campaign. If the vehicle **does not** appear with the campaign code **K99** on the **‘Owner Name and Address Inquiry’**, it is not affected by this campaign, or the campaign has already been completed.*

CUSTOMER NOTIFICATION:

All owners of affected vehicles will be sent a notification of this Product Update Campaign. An example of the customer notification is included at the end of this Service Bulletin.

REPAIR PROCEDURE:

NOTE: After you perform the software update(s), the IMA system will have the following differences. All of them are normal operating characteristics.

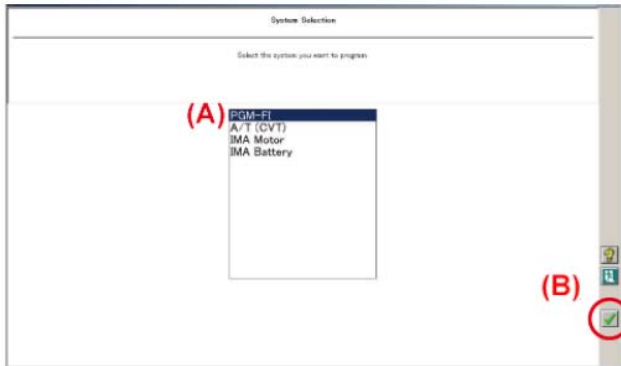
- When at auto idle stop the engine restarts sooner. It also now restarts when the IMA battery level gauge reaches two bars.
- Depending on conditions, the auto idle stop may not engage with as many as four bars being displayed on the IMA battery level gauge.
- The IMA system reserves battery power to ensure enough power is available to start the vehicle from a stop and for initial acceleration. This reduces the IMA assist as the vehicle speed increases. This change increases the battery’s stored energy and overall performance.

- The IMA battery level gauge more accurately indicates the battery’s state-of-charge. Customers will also notice that the level bars stay in the middle of the gauge much longer.
1. Using the latest Honda Diagnostic System software check and clear any DTCs present under the PGM-FI system.
 2. Update the PGM-FI software (A) in the ECM/PCM.
Refer to **Tools Bulletin I-2-06, GNA600-VCI Vehicle Communication Interface User Guide For ETech (Revised)**, for instructions on performing Honda control module updates.

To prevent permanent damage to the ECM/PCM:

- Make sure the vehicle’s battery is fully charged.
- Do not operate anything electrical (audio system, brakes, A/C, power windows, etc.) during the update.

To further reduce the risk of damaging the PCM during the update, it is recommended that you attach a *Power Supply Charger* to the battery (refer to *Tools Bulletin II-2-08, Midtronics PSC-550S Power Supply Charger for instructions*).



3. Perform the updates for the A/T (CVT) ECU program and IMA Battery ECU program.

NOTE: Three DTCs may be stored after the software is installed. These DTCs can be erased only after all updates (PGM-FI, A/T (CVT), and IMA battery) are completed. For more information on the three DTCs, refer to Service Letter V-3-09, 2006-09 Civic Hybrid, 2010 Insight: New DTCs U0301, U0302, and U0312.

4. Perform the CKP pattern learn procedure with the HDS:

- In the ADJUSTMENT MENU of the HDS, select CRANK PATTERN.
- Select CRANK PATTERN LEARNING, and follow the screen prompts.

5. Perform the idle learn procedure:

- Make sure all electrical accessories (A/C, radio, lights, etc.) are off.
- Start the engine, and let it run until it reaches normal operating temperature (the cooling fans have cycled twice).
- Let the engine idle for 10 minutes.

6. Select START CLUTCH FEEDBACK LEARN in the HDS, and follow the screen prompts to calibrate the start clutch pressure control.

7. If needed, use the HDS to clear all DTCs from all systems.

NOTE: Upon completion of the program updates, the battery state of charge appears low on the level gauge. However, as the customer drives, the gauge will gradually display the actual state of charge of the IMA battery.

8. Centre-punch a completion mark below the fifth character of the engine compartment VIN:

- Slide open the FRAME NUMBER door on the center cowl cover.
- Use a long punch to reach the VIN.

JHMFA3XXXXXXXXXXXX

Centre-punch here.

TOOL INFORMATION:

<u>Part Number</u>	<u>Description</u>	<u>Quantity</u>
35540-400-00	GNA600 Vehicle Communication Interface	1

NOTE: For more information or for GNA600 tool ordering please contact Honda Canada's Technical Tools Department:

By email request at:

ch_technicaltools@ch.honda.com

By fax at:

1-866-398-TOOL (8665)

SOFTWARE INFORMATION:

Please verify that you are using:

CM Update Database dated 29-JUN-2010 or later.

NOTE: To avoid an incorrect repair that would not be covered under warranty, use the software version listed above or a later version.

PARTS INFORMATION:

None.

WARRANTY INFORMATION:

Defective Part Number: 1K100-RMX-A07

Labour Operation Number	Description	Flat Rate Time
1255B2	Update the PGM-FI software.	0.3 hrs
1255B2A	Add for updating the IMA battery software.	0.3 hrs
1255B2B	Add for updating the A/T software.	0.3 hrs

Defect Code: 5KC

Contention Code: K99

CUSTOMER NOTIFICATION:

Example of a customer letter.



August 2010

Product Update: New Software to Help Prevent IMA Battery Deterioration

Dear 2006-08 Honda Civic Hybrid Owner:

We are sending this letter to notify you of a Product Update that applies to your vehicle.

Please check that the 17-digit Vehicle Identification Number (VIN) at the top of this letter matches the 17-digit VIN on the upper left of your vehicle's dashboard.

What is the problem?

Your vehicle's integrated motor assist (IMA) battery may deteriorate and eventually fail before its normal usable life is reached. Frequent stop-and-go driving with A/C use during warm weather speeds up the IMA battery deterioration. To help prevent early IMA battery deterioration, a software update is needed for the IMA battery.

What should you do?

Contact your Honda dealer to schedule an appointment to have your vehicle's IMA battery software updated. This will also allow your dealer to give you an idea how long they will require your vehicle – usually less than a day – to perform the software update. The dealer will perform the software update free of charge.

After your vehicle is updated, you may notice one or more of the following changes to the IMA system. All of them are normal, and will greatly improve the life of the IMA battery:

- When at auto idle stop the engine restarts sooner. It also now restarts when the IMA battery level gauge reaches two bars.
- Depending on conditions, the auto idle stop may not engage with as many as four bars being displayed on the IMA battery level gauge.
- To ensure there's plenty of power for engine starting and accelerating from a stop, the IMA system reserves more battery power. This reduces the IMA assist as the vehicle speed increases.
- The IMA battery level gauge more accurately indicates the battery's state-of-charge. You will also notice that the level bars stay in the middle of the gauge much longer.

Who to contact if you experience problems:

If you need assistance with locating a Honda dealer, please contact Honda Canada's Customer Relations Department at the telephone number or address below, or visit our website at www.honda.ca.

If the dealer fails or is unable to make the necessary repairs free of charge, you may contact Honda Canada's Customer Relations Department at the telephone number or address below.

What to do if our information is incorrect:

This notice was mailed to you according to the most current information we have available. If you no longer own this vehicle, or some information in this notice is incorrect, please fill out and return the included postage paid Information Change Card or forward this notice to the new owner if possible.

Thank you for your co-operation. We apologize for any inconvenience these updates may cause you.

Sincerely,

A handwritten signature in black ink, appearing to read 'Jerry Chenkin'.

Jerry Chenkin
Executive Vice President

HONDA CANADA INC.
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