

October 1, 2015

02271 Version 2

Safety Recall: HV Cell Voltage Sensor (CVS) Software

Supersedes 15-057, Product Update: HV Cell Voltage Sensor (CVS) Software dated September 4, 2015;
see REVISION SUMMARY

AFFECTED VEHICLES

| Year | Model | Trim | VIN Range |
|---------|---------------|------|---|
| 2014–15 | Accord Hybrid | ALL | Check the iN VIN statuses for eligibility |

REVISION SUMMARY

This bulletin changed from a product update to a safety recall.

BACKGROUND

The cell voltage sensor may incorrectly interpret electrical noise from the inverter and motor circuits as a problem and cause the vehicle to switch to a fail-safe EV mode. Additionally, DTCs P0B3B, high voltage battery cell voltage sensor internal circuit malfunction and P0DA8, motor power inverter module voltage malfunction are often stored.

If the vehicle switches to fail-safe EV mode while cruising at highway speed, the engine shuts off and the vehicle will experience a sudden loss of power as the fail-safe EV mode limits vehicle speed to a maximum of about 40 mph. If this occurs, the vehicle may be able to travel for up to 2 miles in fail-safe EV mode, at which time the HV battery will likely fully discharge. If the battery completely discharges while the vehicle is still in operation, the vehicle will stall, increasing the risk of a crash.

CUSTOMER NOTIFICATION

Owners of affected vehicles will be sent a notification of this campaign.

Do an iN VIN status inquiry to make sure the vehicle is shown as eligible.

Some vehicles affected by this campaign may be in your used vehicle inventory. These vehicles must be repaired before they are sold.

Should your dealership sell an unrepaired vehicle that subsequently causes injury or damage because of the recalled item, the dealership will be solely responsible to the damaged party, and will be required to defend and indemnify American Honda for any resulting claims. To see if a vehicle in inventory is affected by this recall, do a VIN status inquiry before selling it.

CORRECTIVE ACTION

Do the inspection and based on your results, update the vehicle or replace the HV battery.

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.

SOFTWARE INFORMATION

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

MVCI Control Module (CM) Update:

Application (FW) Version **3.01.42 or later**

Database Update **04-AUG-2015 or later**

HDS Software Version:

3.016.042 or later

Before beginning the repair, make sure that both the HDS and the MVCI are updated as listed above.

Do only the update listed in this service bulletin.

Check that the MVCI indicates the applicable program ID listed below (or a later program ID) as the **Available Update** when the update begins. If the MVCI displays **This vehicle does not need an update at this time** during the update, the software for this service bulletin is already installed.

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

| Year/Model | Program ID | Program Part number |
|-----------------------|------------|---------------------|
| 2014–15 Accord Hybrid | K1A020 | 1K411-5K1-A02 |

WARRANTY CLAIM INFORMATION

| Operation Number | Description | Flat Rate Time | Template ID | Defect Code | Symptom Code | Failed Part Number |
|------------------|--|----------------|-------------|-------------|--------------|--------------------|
| 1185B0 | Do the inspection and update the CVS software. (No DTCs) | 0.2 hr | 15-057A | 5ZF00 | JT700 | 1K410-5K1-A03 |
| 1185B1 | Do the inspection and update the CVS software. DTC and error codes were set, but they were cleared and the CVS software updated. | 0.5 hr | 15-057B | 5ZF00 | JT700 | 1K410-5K1-A03 |
| 1185B2 | Do the inspection and the result was to replace the battery. File a separate warranty claim under normal warranty for replacing the HV battery. | 0.5 hr | 15-057C | 5ZF00 | JT700 | 1K410-5K1-A03 |

Skill Level: Repair Technician

INSPECTION AND UPDATE PROCEDURE

1. Connect the HDS and check for DTCs.
 - If DTC P0B3B or P0DA8 is not set, go to step 4.
 - If DTC P0B3B and/or P0DA8 is set, **do not clear the DTC(s)**. Save all the freeze data, then go to step 2.
2. Do the HV Battery Diagnosis. Refer to the job aid *New Procedures for Servicing the High Voltage Battery*.

NOTE: The diagnosis displays the HV battery cell voltage failure information for sensor A, sensor B, and sensor C. The errors are 8 digits and appear as a series of 0s and 1s.

3. Check the list for the following failures:

NOTE: The error codes in each failure series can be in any order as long as all the codes in each row are present in the HV battery diagnosis.

| | | | |
|-----------------------------|----------|----------|----------|
| Error Code Failure Series 1 | 00010000 | 00010000 | 00010000 |
| Error Code Failure Series 2 | 00010000 | 00010000 | 00000000 |
| Error Code Failure Series 3 | 00010000 | 00010000 | 00010100 |
| Error Code Failure Series 4 | 00010000 | 00000000 | 00000000 |
| Error Code Failure Series 5 | 00010000 | 00010100 | 00010100 |
| Error Code Failure Series 6 | 00010000 | 00010100 | 00000000 |

- **If any one of the six error code failure series appears**, write down the failure codes on the RO before clearing all set codes, then go to step 4.
 - **If none of the six error code failure series appears**, write down any other the failure code(s) that may be stored on the RO. Save the HDS freeze data and the Cell Voltage Sensor Check data, then replace the HV battery. Refer to service information. **You will need to file a separate warranty claim under normal warranty for replacing the HV battery.**
4. Update the CVS software with the MVCI. Refer to Service Bulletin 01-023, *Updating Control Units/Modules*. This product update is complete.

END