

February 16, 2017

05830 Version 5

**Safety Recall: HV Cell Voltage Sensor (CVS) Software**

Supersedes 15-057, dated March 26, 2016, to revise the information highlighted in yellow

**AFFECTED VEHICLES**

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

**REVISION SUMMARY**

Under REPAIR PROCEDURE, a step was added to include completing the Vehicle Emissions Recall – Proof of Correction certificate for vehicles registered in California.

**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 were 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.

NOTE: For California dealers only, make sure to give your customer a Vehicle Emission Recall - Proof of Correction certificate. See REPAIR PROCEDURE for ordering information.

**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. <b>File a separate warranty claim under normal warranty for replacing the HV battery.</b>	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.

NOTE:

- Make sure that you upload the collected freeze data.
- If P0B3B and/or P0DA8 is not present, it is possible that error code 0010100 may be stored in one or more locations. This is normal if the key is cycled quickly. To clear this error code, just turn the key off for more than one minute.

2. Refer to the HV Battery Diagnosis in the job aid *New Procedures for Servicing the High Voltage Battery*.

NOTE: The file saved to the desktop (see page 5 of the job aid) contains 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. The CVS failure codes are also available in the stored HDS DTCs Freeze data.

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 a different 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.
5. **For California residents only:** Fill out a Vehicle Emissions Recall – Proof of Correction certificate, and use **JT7** as the recall number. Give the certificate to your customer, and advise him or her to keep it as proof that the product update was completed. Your customer will need to submit this certificate to the DMV only if the DMV requests it. If you need more certificates, use reorder number Y0657.

**Vehicle Emission Recall - Proof of Correction**

License Number	Make	Year Model	Body Type	Vehicle Identification Number

Manufacturer \_\_\_\_\_ Recall Number **JT7**

The above described vehicle has been repaired, modified and/or equipped with new emission control devices to meet applicable California Emission Control Laws.

Dealer's Name \_\_\_\_\_ Address, City, State and Zip \_\_\_\_\_

Date \_\_\_\_\_ Dealership's Authorized Signature \_\_\_\_\_

Return this certificate to DMV only when required - otherwise retain for your records.

Y0657 ACL 24832 (0212)

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