ACURA Service Bulletin



Applies To: **2012 TL 2WD** – From VIN 19UUA8...CA000001 thru 19UUA8...CA008239 **2012 TL SH-WD** – From VIN 19UUA9...CA000001 thru 19UUA9...CA002516 April 14, 2012

MID Shows BATTERY CHARGE LOW

BACKGROUND

The battery sensor software update improves the accuracy in warning clients when the battery's state of charge is low by changing these inputs:

- The sensor factors in the ambient temperature when calculating the current state of charge.
- The sensor ignores short duration voltage drops.

The new software will not improve vehicles with the following conditions:

- The vehicle has a low battery due to it not being driven regularly or long enough to recharge the battery.
- The vehicle develops a low battery due to the client using the Navigation system for an extended period of time with the engine off and the ignition ON (II), such as when planning a trip.
- There is a high-current draw problem with the vehicle, such as a high parasitic draw caused by aftermarket accessories (alarms, LoJack, etc.).

CORRECTIVE ACTION

Update the battery sensor software with the Flash Pack tool.

TOOL INFORMATION

Battery Sensor Flash Pack: T/N HONHLAKIT1 (Each dealer received a flash pack and a micro SD card adapter free of charge in December 2011. Keep the adapter in case you ever need to update the flash pack. Additional tools are not available, but if you need a replacement, contact the American Honda Tool and Equipment Program at **888-424-6857**.)

WARRANTY CLAIM INFORMATION

Operation Number:	7105A5
Flat Rate Time:	0.3 hour
Failed Part:	P/N 38920-TK4-A03
Defect Code:	03214
Symptom Code:	03205
Skill Level:	Repair Technician

REPAIR PROCEDURE

NOTE:

- If the battery voltage is below 11 volts, the Flash Pack tool warns you that the update cannot be done. Charge the battery using the GR-8 Diagnostic Battery Station, then do the update.
- Do not update the battery sensor while the GR-8 is charging the battery.
- 1. Turn the ignition switch to LOCK (0).
- 2. Disconnect the battery sensor 2P connector.



© 2012 American Honda Motor Co., Inc. - All Rights Reserved

BTB 47808 (1204)

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.



3. Connect the Flash Pack tool's positive clamp, then connect the negative clamp to the corresponding battery terminal studs.

NOTE: Make sure the clamps are securely on the battery studs. If the clamps slip off while updating the software, the battery sensor will be damaged.



4. When the flash tool displays the screen below, connect the 2P connector to the battery sensor, open the case, then press ENTER.

Please connect battery sensor and press 'enter'. 5. When the screen below appears, press ENTER on the Flash Pack to begin the update.

NOTE: If the update has already been done, the screen indicates that the software is up to date. Go to step 7.

Flashbox SW Ver: Sensor Ver: BMS SW Ver:	1.0 200X 5.3	
Press 'enter' to start update.		

The screen below appears, indicating that the battery sensor software is being updated. Do not disconnect any of the Flash Pack connections.

NOTE: If the Flash Pack displays a red screen with the message PLEASE REPLACE BMS, try the update again. If it fails a second time, record the error code on the repair order, replace the battery sensor, then go to step 9.

!!!Flash Process active!!! Do not disconnect power (Power interruption can damage the BMS sensor)

Flash progress

41%

6. Wait until the update is done (the screen turns green).

Update completed successfully! please disconnect cable from battery sensor.

- 7. Disconnect the Flash Pack clamps and the 2P connector.
- 8. Reconnect the battery sensor 2P connector.
- Charge the battery with the GR-8 Diagnostic Battery Station using the Diagnostic and DEALER INVENTORY settings.