

February 9, 2024

Version 1

EPS Light On U3000-49 (Low Battery Voltage)

AFFECTED VEHICLES

NOTE: Some trim levels are produced at multiple locations. Confirm you are checking the correct VIN range.

Year	Model	Trim Level	VIN Range
2022	Civic 4 Door	LX	2HGFE2F2...589894 -thru 2HGFE2F2...597937
2022	Civic 4 Door	EX	2HGFE1F7...322901 -thru 2HGFE1F7...329952
2022	Civic 4 Door	Sport	2HGFE2F5...591006 -thru 2HGFE2F5...610989
2022	Civic 4 Door	Touring	2HGFE1F9...323411 -thru 2HGFE1F9...329892
2023	Civic 4 Door	LX	2HGFE2F2...530587 -thru 2HGFE2F2...572197
2023	Civic 5 Door	LX	19XFL2H5...008775 -thru 19XFL2H5...025700
2023	Civic 4 Door	EX	2HGFE1F7...300091 -thru 2HGFE1F7...325541
2023	Civic 4 Door	EX BD	2HGFE1F7...315023 -thru 2HGFE1F7...322206
2023	Civic 5 Door	EX-L	19XFL1H7...003612 -thru 19XFL1H7...018274
2023	Civic 5 Door	EX-L BD	19XFL1H7...010778 -thru 19XFL1H7...015342
2023	Civic 4 Door	Sport	2HGFE2F5...500001 -thru 2HGFE2F5...572310
2023	Civic 5 Door	Sport	19XFL2G8...005208 -thru 19XFL2H8...025779
2023	Civic 5 Door	Sport Touring	19XFL1H8...003452 -thru 19XFL1G8...017464
2023	Civic 4 Door	Touring	2HGFE1F9...300006 -thru 2HGFE1F9...325446
2023	Civic 5 Door	Type R	ALL
2024	Civic	LX, EX, EX-L, SI, Sport, Sport Touring, Touring, Type R	ALL

SYMPTOM

Customers are seeing the Electric Power Steering (EPS) System Indicator on the instrument panel.

POSSIBLE CAUSE

If the 12-volt battery has degraded, it can cause low voltage to be detected during an ignition cycle. This causes the steering angle calculation to stop, which leads to DTC U3000-49 for the EPS.

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.

CORRECTIVE ACTION

Update the EPS Unit software for vehicles in the affected VIN range. If the vehicle is outside the affected VIN range, follow normal troubleshooting procedures. If instructed to replace the EPS motor, make sure the software is updated to the latest version.

WARRANTY CLAIM INFORMATION

The normal warranty applies.

Operation Number	Description	Flat Rate Time	Defect Code	Symptom Code	Template ID	Failed Part Number
5135A6	Update the EPS Software	0.2 hr	03214	03217	A24006A	39990-T39-A13
A	Steering angle neutral position learn-Add	0.1 hr				

Skill Level: Repair Technician

SOFTWARE INFORMATION

NOTE: Unnecessary or incorrect repairs resulting from a failure to update the diagnostic and reprogramming software are not covered under warranty.

Before beginning the repair, make sure all diagnostic and reprogramming software are updated as listed.

i-HDS Software Version	1.008.033 or later
HDS Software Version	3.105.028 or later
Honda ECU Reprogramming	3.6.0.0

Update only the systems and software listed in this service bulletin.

Do not use the MongoosePRO VCI for this service bulletin as it is not an American Honda approved device.

For more information about updating vehicle systems, refer to service bulletin 22-100, *Updating Control Units/Modules with the Honda ECU Reprogramming Application*.

Year	Trim	Vehicle System	Program ID (or later)
2022–24	EX, EX-L, LX, Sport, Touring	EPS	39990-T39-A140
2022–24	EX, EX-L, LX, Sport, Sport Touring	EPS	39990-T43-J030
2022–24	SI	EPS	39990-T38-A050
2022–24	Type R	EPS	39990-T60-J040

INSPECTION PROCEDURE

1. Check if the VIN is in the Affected VIN range.
2. If the VIN is part of the affected range, proceed to REPAIR PROCEDURE.

NOTE:

- If a vehicle is outside of the affected VIN range, follow normal troubleshooting procedures.
- If instructed to replace the EPS motor, make sure the software is updated to the latest version.

REPAIR PROCEDURE

NOTICE

- Unnecessary or incorrect repairs resulting from a reprogramming session will not be covered under warranty.
- Control module failure caused by the improper completion of a software update (early key cycle, low battery voltage, disconnected Data Link Connector (DLC) cable, etc.) is not covered by warranty.
- If a problem occurs while reprogramming, keep the ignition turned to ON and do not disconnect the battery. Do the following to minimize the chances of damaging the control unit/module:
 - Do not disconnect the battery or turn the ignition to OFF.
 - Follow the on-screen instructions from the **Honda ECU Reprogramming** application.
 - If the reprogramming issue persists, try disconnecting the VCI from the vehicle's DLC. Restart the **Honda ECU Reprogramming** application. Then, reconnect the VCI to the vehicle's DLC and retry the reprogramming procedure.

1. Make sure the 12-volt battery is fully charged before starting an update.
2. Connect a fully charged jumper battery pack, the Midtronics GR8-110P AST in **Power Supply Mode** or the Midtronics DCA-8000 Dynamic Diagnostic Charging System in **Reflash Mode**, directly to the vehicle's 12-volt battery. Leave it connected during the entire procedure to maintain a steady voltage.

NOTE: If the vehicle's 12-volt battery drops below **10 volts** during the update, the programming status bar may not present accurately, or the **Honda ECU Reprogramming** application may display an error message.

3. Update the EPS software using the **Honda ECU Reprogramming** application with the DST-i. Refer to Service Bulletin 22-100, *Updating Control Units/Modules with the ECU Reprogramming Application*.

NOTE: If the message **Ensure all connections are secured between the PCI, VCI, and Vehicle** appears, make sure the VCI name correctly matches the VCI device in use. Example name Denso DST-i.

4. Do an ALL DTC CHECK and clear any codes that may have set during the update.
5. Do the VSA Sensor Neutral Position Memorization procedure:
 1. Set the steering wheel in the straight-ahead position.
 2. Park the vehicle on a flat and level surface.
 3. Connect the i-HDS to the DLC.

NOTICE

Do not press the brake pedal during this process.

4. Turn the vehicle to the ON mode, but do not start the engine.
5. Select **ADJUSTMENT** from the **ABS/TCS/VSA** menu with the i-HDS, then select **ALL SENSOR**, and follow the screen prompts.
6. Perform the All Sensor Learn.
 1. Using the i-HDS choose the **SYSTEM SELECTION MENU**.
 2. Select **ABS/VSA**.
 3. Select **ADJUSTMENT**.
 4. Select **ALL SENSOR**.
 5. Select **YES** to perform calibration for all sensors.

NOTE:

- If a DTC appears after the software is up to date, follow the service manual for troubleshooting procedures.
- Warranty reimbursement for technician labor is not allowed for routine checking/installation of any available software update.