

## 2007 Chevrolet HHR LT

Diagnostic Tips for Power Steering Inoperative/Steering Wheel Hard to Turn, Power Steering Message Displayed on DIC, DTCs C0176, C0475, C0476, C0550, U2105, U2107 Set

### Diagnostic Tips for Power Steering Inoperative/Steering Wheel Hard to Turn, Power Steering Message Displayed on DIC, DTCs C0176, C0475, C0476, C0550, U2105, U2107 Set

#### TECHNICAL SERVICE BULLETIN

Reference Number(s): 07-02-32-007B, Date of Issue: August 06, 2009

Affected Model 2005-2010 Chevrolet Cobalt; 2006-2010 Chevrolet HHR; 2005-2006 Pontiac Pursuit (Canada (s): Only); 2007-2009 Pontiac G5; 2003-2007 Saturn ION

Supersedes: This bulletin is being revised to update the information for DTC C0475. Please discard Corporate Bulletin Number 07-02-32-007A (Section 02 - Steering).

Superseded Bulletin(s): 07-02-32-007A, Date of Issue: May 27, 2009

#### SERVICE INFORMATION

The following diagnostics might be helpful if the vehicle exhibits the condition(s) described above. Use the appropriate recommendation based on what symptom has occurred.

#### NO DTCS

Review Corporate Bulletin Number **05-02-32-002D** to assure you do not have a blown 60 amp steering fuse. The fuse can be blown during improper jump starting of the vehicle on the HHR and ION. Check for this particularly for tow in conditions. DO NOT replace the steering column unless an internal short has been identified in the column that is causing fuse to blow.

#### POWER STEERING WARNING MESSAGE ON DIC WITH DTCS C0176 AND C0476

This condition is often the result of excessive lock-to-lock turns of the steering wheel, causing the thermal protection in the power steering control module (PSCM) to take the steering motor temporarily off line. This is a normal operating characteristic of the system. DO NOT replace the steering column for this condition. Refer to Corporate Bulletin Number **06-02-32-002D** for additional information.

#### POWER STEERING WARNING MESSAGE ON DIC WITH DTC C0550 IN THE PSCM

Inspect the motor harness connection to the PSCM. If no connector problems are found, replace the steering column ONLY as this is an internal controller issue.

#### POWER STEERING WARNING MESSAGE ON DIC WITH DTC C0475 IN THE PSCM

Check the connection between the EPS motor and the power steering control module (PSCM) by ensuring the harness connector is properly seated. If the connection is normal, replace ONLY the EPS motor.

**NOTE:** If the DTC resets immediately following motor replacement, replace the steering column.

#### POWER STEERING WARNING MESSAGE ON DIC WITH DTC U2105 AND/OR U2107 IN THE PSCM WITH ANY OTHER U CODES

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Although the code(s) appear in the PSCM, these are communication codes and are not the result of a problem with the column operation or the control module. If the codes are in history, clear the codes and re-key the vehicle a few times to see if they come back. If they reappear, look for a communication issue from the BCM U2107 or ECM U2105 (wiring, connector, etc.) as the root cause. If the codes do not reappear after a test drive, return the vehicle back to the customer. DO NOT replace the steering column.

## WARRANTY INFORMATION

### Warranty Information

Labor Operation	Description	Labor Time
E8434	Power Steering Assist Motor Replacement	Use Published Labor Operation Time
E7680	Steering Column Replacement	