

September 27, 2005

**TO:** ALL CHRYSLER, DODGE and JEEP DEALERS

**FROM:** J. E. HILGER

**SUBJECT:** RAPID RESPONSE TRANSMITTAL SERVICE ACTION #05-027  
Sunroof Will Not Close

**INVOLVED VEHICLES:**

2006	(DR)	Ram Truck
2006	(LX)	300/Charger/Magnum
2006	(WK)	Grand Cherokee
2006	(XK)	Commander

**NOTE:** The VIN List is available on DealerCONNECT for all affected dealers. The VIN List has been inserted in the Service Tab under Rapid Response Transmittals. The dealers receiving the Rapid Response Transmittal Service Action are the "Ship To" dealers and the VIN's listed are specific to their dealership.

**DISCUSSION:**

A small number of vehicles have been shipped to dealers with sunroof module software that loses position calibration under certain circumstances, preventing the sunroof from closing.

**PARTS REQUIRED:**

**NOTE:** The StarSCAN Flash Files for this Bulletin are available via the Internet.

***SPECIAL TOOLS/EQUIPMENT REQUIRED:***

NPN Battery Charger  
CH9401 StarSCAN® Tool  
CH9404 StarSCAN® Vehicle Cable  
CH9409 StarSCAN® Documentation Kit  
CH9410 StarSCAN® Ethernet Cable, 12 ft.  
CH9412 StarSCAN® Software Update Device Kit  
TechCONNECT PC or equivalent  
Latest StarSCAN® Software Update CD – VERSION 6.03

**REPAIR PROCEDURE:**

**NOTE:** The StarSCAN® must be at version 6.03 or higher before the "Using The Internet To Retrieve The Flash File" repair procedure can be performed.

**NOTE:** The StarSCAN® diagnostic scan tool fully supports Internet connectivity. However, in order to take advantage of this feature you must first configure the StarSCAN® for your dealership's network. For instruction on setting up your StarSCAN® for the dealer's network; refer to the StarSCAN® Quick Start

**Networking Guide available on the [www.dcctools.com](http://www.dcctools.com) website under the "download center".**

**NOTE: Make sure the StarSCAN® is configured to the dealership's network before proceeding.**

**NOTE: If this flash process is interrupted/aborted, the flash should be restarted.**

1. Open the hood, install a battery charger and verify that the charging rate provides approximately 13.5 volts.
2. Connect the CH9410 StarSCAN® ethernet cable to the StarSCAN® and the dealer's network drop (optional).
3. Connect the CH9404 StarSCAN® vehicle cable to the StarSCAN® and the vehicle.
4. Power ON the StarSCAN®.
5. Retrieve the old Sunroof module (SUNR) part number. Using the StarSCAN® at the "Home" screen:
  - a. Select "ECU View"
  - b. Touch the screen to highlight SUNR in the list of modules.
  - c. Record the "Part Number", displayed on the "ECU Overview" screen, for later reference
6. Download the flash file from the internet to the StarSCAN®. Using the StarSCAN® at the "ECU Overview" screen:
  - a. Select "More Options"
  - b. Select "ECU Flash"
  - c. Select "Browse for New File". Follow on screen instructions.
  - d. Select "Download to Scantool".
  - e. Select "Close" after the download is complete, then select "Back".
  - f. Highlight the listed calibration
  - g. Select "Update Controller"
  - h. When update is completed, select "OK".

**NOTE: Due to the SUNR programming procedure, a DTC may be set in other modules (TCM, BCM, MIC, SKREEM, etc.) within the vehicle, if so equipped. Some DTC's may cause the MIL to illuminate. From the "Home" screen select "System View". Then select "All DTCs". Press "Clear All Stored DTCs" if there are any DTCs shown on the list.**

7. Place the ignition switch in RUN position.
8. Close all of the doors.
9. Press and release the vent switch (sunroof should move to vent position).
10. Once the sunroof has stopped motion at the vent position, press and hold the vent switch for at least 5 seconds to recalibrate the sunroof position.
11. If the sunroof did not reach the full vent open position, press and hold the vent switch until the full-vent-open position is reached then release the vent switch, then press and hold the vent switch for at least 5 seconds to recalibrate the sunroof position.
12. Cycle the sunroof from the full-vent-open position to the full-slide-open position and back to the full-vent-open position at least 7 complete times. The sunroof is now in customer mode with the obstacle detection thresholds updated.

**POLICY:** Reimbursable within the provisions of the warranty.

**TIME ALLOWANCE:**

Labor Operation No:

08-52-46-90 Flash and Calibration Sunroof Module

0.5 Hrs.

**FAILURE CODE:** ZZ - Service Action

If you have any questions, contact your Business Center.

A handwritten signature in black ink, appearing to read "J. E. Hilger". The signature is written in a cursive, flowing style.

J. E. Hilger  
Vice President  
Global Service