SERVICE BULLETIN

CHRYSLER
Jeep
DODGE

NUMBER: 08-010-07

GROUP: Vehicle Performance

DATE: May 17, 2007

THE StarSCAN® FLASH FILES FOR THIS BULLETIN ARE AVAILABLE VIA THE INTERNET.

SUBJECT:
FLASH: DTC's C121A / C2205 - Steering Angle Sensor - Not Initialized / Internal

OVERVIEW:
This bulletin involves selectively erasing and reprogramming the Steering Angle Sensor (SAS) with new software.

MODELS:

2007	(JK)	Wrangler
2007	(JS)	Sebring
2007	(KA)	Nitro
2007	(MK49)	Compass
2007	(MK74)	Patriot
2007	(PM)	Caliber

NOTE: This bulletin applies to vehicles built on or before April 12, 2007 (MDH 0412XX).

SYMPTOM/CONDITION:
The vehicle operator may experience an illumination of the Electronic Stability Program (ESP) lamp on the vehicle instrument cluster. The ESP lamp illumination may be due to the following Diagnostic Trouble Codes (DTC's):

C121A - Steering Angle Sensor Not Initialized

C2205 - Steering Angle Sensor Internal

This condition, and DTC's, may be intermittent. If the above DTC's occur during a drive cycle, then the ESP lamp will remain illuminated until the end of that drive cycle (key off).

DIAGNOSIS:
Using a StarSCAN® with the appropriate Diagnostic Procedures available in TechCONNECT, verify all engine systems are functioning as designed. If DTCs are present record them on the repair order and repair as necessary before proceeding further with this bulletin.

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If the vehicle operator describes or experiences the Symptom/Condition, perform the Repair Procedure.

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

REPAIR PROCEDURE - USING StarSCAN AND THE INTERNET TO RETRIEVE THE FLASH FILE:

NOTE: Before performing this Repair Procedure, the operating software in the StarSCAN®; must be programmed with software release level 7.04 SP1 or higher. The software release level is visible in the blue header at the top of the StarSCAN® screen.

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 website under the "download center".

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

1. Open the hood and install a battery charger. Using a voltmeter, verify that the charging rate provides 13.2 - 13.5 volts. Set the battery charger to continuous charge. Do not allow the charger to time out during the flash process. Remove the charger from the battery when the flash process is complete.

NOTE: Do not allow the charging voltage to climb above 13.5 volts during the flash process.

2. Connect the CH9410 StarSCAN® ethernet cable to the StarSCAN® and the dealer's network drop.
3. Connect the CH9404 StarSCAN® vehicle cable to the StarSCAN® and the vehicle.
4. Power ON the StarSCAN®.
5. Retrieve the old ECU (SAS) part number. Using the StarSCAN® at the "Home" screen:
    a. Select "ECU View"
    b. Touch the screen to highlight the ECU (SAS) in the list of modules.
    c. Select "More Options"

    d. Select "ECU Flash".

    e. Record the part number at the top of the "Flash PCM" screen for later reference.

    f. Select "Browse for New File". Follow the on screen instructions.

    g. Select "Download to Scantool".

    h. Select "Close" after the download is complete, then select "Back".

    i. Highlight the listed calibration.

    j. Select "Update Controller".

    k. When the update is complete, select "OK".

NOTE: Due to the ECU (SAS) programming procedure, a DTC may be set in other electronic modules 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.

POLICY:
Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Amount
18-46-33-10	Software Flash - Sensor, Steering Wheel Angle (SAS) - Reprogram (B)	0.3 Hrs.

FAILURE CODE:

ZZ	Service Action