



**NUMBER:** 08-044-06

**GROUP:** Electrical

**DATE:** October 07, 2006

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**SUBJECT:**

DTC C1240 - Steering Angle Sensor Over Travel Performance

**OVERVIEW:**

This bulletin involves the diagnosis and possible replacement of the Steering Angle Sensor.

**MODELS:**

2007 (DR) Ram Truck

**NOTE:** This bulletin applies to vehicle equipped with the Electronic Stability Program (sales code BNB) and built prior to October 03, 2006 (MDH 1003XX).

**SYMPTOM/CONDITION:**

The customer may experience an illumination on the instrument cluster of the “**ABS**” (Anti-Lock Brake System) and/or the “**ESP / BAS**” (Electronic Stability Program / Brake Assist System) Warning Lights. Investigation may reveal the presence of Diagnostic Trouble Code (DTC) **C1240 - Steering Angle Sensor Over Travel Performance (SAS)**.

**DIAGNOSIS:**

1. Perform the diagnostic test procedure for DTC C1240. This diagnostic procedure can be found on TechCONNECT: select the SERVICE INFO tab > 5 - BRAKES > 5 - BRAKES ELECTRICAL DIAGNOSTICS > ABS - EBC 340/445ESP AWAL > DIAGNOSIS and TESTING > C1240 - Steering Angle Sensor Over Travel Performance (SAS).
2. If the diagnostic test procedure for DTC C1240 determines that the Steering Angle Sensor is at fault, then perform the Repair Procedure.

**PARTS REQUIRED:**

Qty.	Part No.	Description
1	05082062AG	Clockspring (includes: Steering Angle Sensor)

**REPAIR PROCEDURE:**

**NOTE: Before starting this procedure, be certain that the front wheels are in the straight-ahead position.**

1. Replace the steering column clockspring. Refer to TechCONNECT for detailed service procedures: select the SERVICE INFO tab > 8 - ELECTRICAL > RESTRAINTS > CLOCKSPRING > REMOVAL and INSTALLATION.
2. Clear offsets by initializing the ABS ECU using StarSCAN.
3. Perform the ABS VERIFICATION TEST. This test can be found in: 5 - BRAKES > 5 - BRAKES ELECTRICAL DIAGNOSTICS > ABS - EBC 340/445ESP AWAL > STANDARD PROCEDURE > ABS VERIFICATION TEST.

**POLICY:**

Reimbursable within the provisions of the warranty.

**TIME ALLOWANCE:**

Labor Operation No:	Description	Amount
19-85-25-90	Clockspring / Steering Angle Sensor - Perform DTC C1240 Diagnostic Test (B)	0.2 Hrs
19-85-25-91	Clockspring / Steering Angle Sensor - Perform DTC C1240 Diagnostic Test and Replace (B)	1.1 Hrs.

**FAILURE CODE:**

ZZ	Service Action
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