



NUMBER: 08-043-05

GROUP: Electrical

DATE: August 11, 2005

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THIS BULLETIN IS BEING PROVIDED IN ADVANCE. DO NOT PERFORM ANY ACTIONS RELATED TO THIS BULLETIN UNTIL AUGUST 26, 2005. THE DRB III SOFTWARE VERSION MUST BE AT LEVEL 62.2 TO PERFORM THIS BULLETIN. THE DRB III SOFTWARE WILL BE AVAILABLE ON TechCONNECT BY AUGUST 26, 2005.

FOR MARKETS OUTSIDE OF THE UNITED STATES AND CANADA, THE DRB III VERSION 62.2 SOFTWARE WILL BE AVAILABLE ON CINONConnect AND TechCONNECT BY AUGUST 26, 2005. THE DRB III VERSION 62.2 SOFTWARE WILL ALSO BE AVAILABLE ON THE ITIS DVD SEPTEMBER 2005 RELEASE.

SUBJECT:

Engine Temperature Gauge - Indicator Reads A Higher Temperature Than Actual

OVERVIEW:

This bulletin involves reprogramming the instrument cluster control (CCN) module.

MODELS:

2005 (KJ) Liberty / Cherokee

NOTE: This bulletin applies to vehicles equipped with a 2.8L turbo diesel engine (sales code ENR).

SYMPTOM/CONDITION:

The customer may notice that the engine temperature gauge may indicate that the engine temperature is high. In hot ambient temperatures, and under certain driving conditions of extended uphill driving while towing a trailer, the engine temperature indicator may indicate slightly above the 3/4 normal operating temperature mark on the temperature gauge (but below the engine hot temperature markings). This condition may be caused by an incorrect calibration of the of the engine temperature gauge.

New CCN module software corrects the old engine temperature gauge calibration.

DIAGNOSIS:

If the engine and the cooling system are operating correctly, and the above condition is present, then perform the Repair Procedure.

SPECIAL TOOLS/EQUIPMENT REQUIRED:

| | |
|---------|---------------------|
| CH6000A | Scan Tool (DRBIII®) |
|---------|---------------------|

| | |
|---------------|--|
| CH7000A/7001A | J1962 Cable with red DRBIII® connector |
|---------------|--|

REPAIR PROCEDURE:

NOTE: Before proceeding verify that the DRBIII® software version is at level 62.2.

1. Connect the DRBIII® to the vehicle Data Link Connector (DLC)
2. Turn the ignition switch to the "ON" position.
3. Using the DRBIII® scan tool recalibrate the instrument temperature gauge.
 - a. Select "DRBIII® Standalone"
 - b. Select "1998 - 2006 Diagnostics"
 - c. Select "All (Except Below)"
 - d. Select "Body Interior"
 - e. Select "Electro/Mech Cluster (MIC)"
 - f. Select "Miscellaneous"
 - g. Select "Recalibrate Temp Gauge" option.
4. If the recalibration of the instrument cluster was successful, the DRBIII® will display the following message: **"Recalibration Successful"**.
5. If the version level of the original instrument cluster software allows recalibration, but the recalibration of the instrument cluster was NOT successful, then the DRBIII® will display one of the following messages: **"Recalibration Failed"** or **"Write To Memory Address Failed"**. If one of these messages occurs repeat the above steps.
6. If the instrument cluster has already been recalibrated to the correct software version level, then the DRBIII® will display the following message: **"Gauge Already Recalibrated - Press Any Key to Exit"**.
7. The DRBIII® will display the following message if the original instrument cluster software version level is not the correct version level for recalibration: **"MIC Software Version Incorrect - Press Any Key to Exit"**.
8. Verify that the instrument cluster engine temperature gauge has been recalibrated by selecting the "Recalibrate Temp Gauge" option again. The DRBIII® should display the following message: **"Gauge Already Recalibrated - Press Any Key to Exit"**.
9. Turn the vehicle ignition switch to the "OFF" position
10. Disconnect the DRBIII® from the vehicle DLC.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

| Labor Operation No: | Description | Amount |
|---------------------|---|----------|
| 08-45-10-94 | Reprogram Instrument Cluster Control (CCN) Module - 2.8L Turbo Diesel Engine Only | 0.2 Hrs. |

FAILURE CODE:

| | |
|----|-------------------------|
| AM | Authorized Modification |
|----|-------------------------|