



Revised May 2010

Dealer Service Instructions for:

Safety Recall J30

Reprogram CCN - Transmission Fluid Temperature Warning

NOTE: 2007 model year Jeep Wrangler models equipped with an automatic transmission have been added to this recall.

Models

2007 - 2008 (JK) Jeep® Wrangler

NOTE: This recall applies only to the above vehicles equipped with an automatic transmission (sales code DGV).

IMPORTANT: Some of the involved vehicles may be in dealer used vehicle inventory. Dealers should complete this recall service on these vehicles before retail delivery. Dealers should also perform this recall on vehicles in for service. Involved vehicles can be determined by using the VIP inquiry process.

Subject

The transmission fluid on about 157,000 of the above vehicles may overheat under certain driving conditions. Continuous operation under these conditions may cause the transmission fluid to boil over and come in contact with hot engine or exhaust components. This could cause an underhood fire without warning.

Repair

The Cabin Compartment Node (CCN) must be reprogrammed to add a transmission temperature warning feature to the vehicle.

An addendum will also be placed in the owner's manual explaining this new feature.

Safety Recall J30 Reprogram CCN - Transmission Fluid Temperature Warning

Parts Information

No parts are required to perform this service procedure.

Special Tools

The following special tools are required to perform this repair:

- NPN wiTECH VCI Pod Kit
- NPN Laptop Computer
- NPN wiTECH Software
- CH9401* StarSCAN Tool
- CH9404D* StarSCAN Vehicle Cable
- CH9409* StarSCAN Documentation Kit
- CH9410* StarSCAN Ethernet Cable 12 ft.
- CH9412* StarSCAN Software Update Device Kit
- CH9801 StarMOBILE Tool
- CH9804 StarMOBILE Vehicle Cable
- NPN TechCONNECT PC
- NPN StarSCAN/StarMOBILE Software Update CD

* Part of CH9400 kit.

Reprogram CCN - Transmission Fluid Temperature Warning

Service Procedure

Use one of the three scan tools below to perform this recall.

A. Reprogram the CCN using wiTECH

NOTE: The CCN is "abort - recovery" supported. If this flash process is interrupted/aborted repeat the procedure.

1. Open the hood. Install a battery charger and verify that the charging rate provides 13.2 to 13.5 volts. Do not allow the charger to time out during the flash process. Set the battery charger timer (if so equipped) to continuous charge.

NOTE: Use an accurate stand-alone voltmeter. The battery charger voltmeter may not be sufficiently accurate. Voltages outside of the specified range will cause an unsuccessful flash. If voltage reading is too high, apply an electrical load by activating the park or headlamps and/or HVAC blower motor to lower the voltage.

2. Connect the wiPOD to the vehicle data link connector.
3. Place the ignition key in the "RUN" position.
4. Launch the wiTECH diagnostic application.
5. Select "CCN" from the vehicle view screen.
6. Select the "FLASH" tab.
7. Select the flash file from the list.
8. Select the "UPDATE ECU" button and follow the screen prompts.
9. Clear all DTC's.

NOTE: Due to the CCN programming procedure, DTC(s) may be set in other modules (PCM, TCM, ABS, BCM, MIC, WCM, etc.) within the vehicle, if so equipped. Some DTC's may cause the MIL to illuminate.

10. Place the ignition in the "OFF" position, remove the wiPOD from the data link connector and disconnect the battery charger.

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Service Procedure (Continued)

B. Reprogram the CCN using StarSCAN

NOTE: The CCN is "abort - recovery" supported. If this flash process is interrupted/aborted repeat the procedure.

1. Open the hood. Install a battery charger and verify that the charging rate provides 13.2 to 13.5 volts. Do not allow the charger to time out during the flash process. Set the battery charger timer (if so equipped) to continuous charge.

NOTE: Use an accurate stand-alone voltmeter. The battery charger voltmeter may not be sufficiently accurate. Voltages outside of the specified range will cause an unsuccessful flash. If voltage reading is too high, apply an electrical load by activating the park or headlamps and/or HVAC blower motor to lower the voltage.

2. Connect the CH9410 StarSCAN ethernet cable to the StarSCAN and the dealer's network drop.
3. Connect the CH9404D StarSCAN vehicle cable to the StarSCAN and the vehicle data link connector.
4. Place the Ignition in the "RUN" position, then Power "ON" the StarSCAN.
5. Retrieve the old CCN software part number. With the StarSCAN on the "Home" screen, follow the procedure below:
 - a. Select "ECU View".
 - b. Touch the screen to highlight "CCN Instrument Cluster/Cabin Compartment" in the list of modules.
 - c. Select "More Options".
 - d. Select "ECU Flash".
 - e. Record the "Software Part Number" displayed at the end of the "Resident flash file for" statement near the top of "Flash CCN" screen for later reference.

Reprogram CCN - Transmission Fluid Temperature Warning

Service Procedure (Continued)

6. Download the flash file from the internet to the StarSCAN. With the StarSCAN on the "**Flash CCN**" screen, follow the procedure below:
 - a. Select "**Browse for New File**". Follow the on screen instructions.
 - b. If the newly downloaded flash file "Software Part Number" description:
 - is the **same** as the number recorded in Step 5e, then the CCN is up to date. Continue with Step 9.
 - is **different** than the number recorded in Step 5e, then the CCN will require an update. Continue with Step 6c.
 - c. Highlight the listed calibration on the StarSCAN screen.
 - 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**" and follow the on screen instructions.
 - h. When the update is completed, select "**OK**".

7. Retrieve the CCN software part number. With the StarSCAN on the "**Home**" screen, follow the procedure below:
 - a. Select "**ECU View**".
 - b. Touch the screen to highlight "**CCN Instrument Cluster/Cabin Compartment**" in the list of modules.
 - c. Select "**More Options**".
 - d. Select "**ECU Flash**".
 - e. Verify the "**Software Part Number**" (displayed at the end of the "Resident flash file for" statement) has been updated to the new part number. If it has updated, then the flash has been completed successfully.

Reprogram CCN - Transmission Fluid Temperature Warning

Service Procedure (Continued)

8. Clear any Diagnostic Trouble Codes (DTCs) as follows:

NOTE: Due to the CCN programming procedure, DTC(s) may be set in other modules (PCM, TCM, ABS, BCM, MIC, WCM, etc.) within the vehicle, if so equipped. Some DTC's may cause the MIL to illuminate.

- a. From the “Home” screen select “System View”.
 - b. Select “All DTCs”.
 - c. Press “Clear All Stored DTCs” if there are any DTCs shown on the list.
9. Turn the ignition key to the “OFF” position and remove the StarSCAN unit, StarSCAN cable, and battery charger from the vehicle.

C. Reprogram the CCN Using StarMOBILE

NOTE: The CCN is "abort - recovery" supported. If this flash process is interrupted/aborted repeat the procedure.

1. Open the hood. Install a battery charger and verify that the charging rate provides 13.2 to 13.5 volts. Do not allow the charger to time out during the flash process. Set the battery charger timer (if so equipped) to continuous charge.

NOTE: Use an accurate stand-alone voltmeter. The battery charger voltmeter may not be sufficiently accurate. Voltages outside of the specified range will cause an unsuccessful flash. If voltage reading is too high, apply an electrical load by activating the park or headlamps and/or HVAC blower motor to lower the voltage.

2. Connect the StarMOBILE scan tool to the vehicle data link connector located under the steering column and turn the ignition key to the “RUN” position.
3. Connect the CH9410 StarMOBILE scan tool ethernet cable to the StarMOBILE and the dealer’s network drop.
4. Power ON the StarMOBILE scan tool.

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Service Procedure (Continued)

5. From the desktop, launch the “StarMOBILE Desktop Client” software.
6. Establish a connection with the StarMOBILE scan tool.
7. Retrieve the old CCN software part number. With the StarMOBILE on the “**Home**” screen, follow the procedure below:
 - a. Select “**ECU View**”.
 - b. Select “**CCN Instrument Cluster/Cabin Compartment**” in the list of modules.
 - c. Select “**More Options**”.
 - d. Select “**ECU Flash**”.
 - e. Record the “**Part Number**” displayed at the end of the “Resident flash file for” statement near the top of “**Flash CCN**” screen for later reference.
8. Download the flash file from the internet to the StarMOBILE. With the StarMOBILE on the “**Flash CCN**” screen, follow the procedure below:
 - a. Select “**Browse for New File**”. Follow the on screen instructions.
 - b. Enter your “**User id**” and “**Password**”, then select “**OK**”.
 - c. If the newly downloaded flash file “Part Number” description:
 - is the **same** as the number recorded in Step 7e, then the CCN is up to date. Continue with Step 11.
 - is **different** than the number recorded in Step 7e, then the CCN requires an update. Continue with Step 8d.
 - d. Highlight the listed calibration on the StarMOBILE screen.
 - e. Select “**Download to Client**”.
 - f. Select “**Close**” after the download is complete, then select the “**Back**” arrow.
 - g. Highlight the listed calibration.
 - h. Select “**Update Controller**” and follow the on screen instructions.
 - i. When the update is completed, select “**OK**”.

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Service Procedure (Continued)

9. Retrieve the CCN software part number. With the StarMOBILE on the “**Home**” screen, follow the procedure below:
 - a. Select “**ECU View**”.
 - b. Select “**CCN Instrument Cluster/Cabin Compartment**” in the list of modules.
 - c. Select “**More Options**”.
 - d. Select “**ECU Flash**”.
 - e. Verify the “**Part Number**” (displayed at the end of the “Resident flash file for” statement) has been updated to the new part number. If it has updated, then the flash has been completed successfully.
10. Clear any Diagnostic Trouble Codes (DTCs) as follows:

NOTE: Due to the CCN programming procedure, DTC(s) may be set in other modules (TCM, ABS, BCM, MIC, WCM, etc.) within the vehicle, if so equipped. Some DTC's may cause the MIL to illuminate.

 - a. From the “**Home**” screen select “**System View**”.
 - b. Select “**All DTCs**”.
 - c. Press “**Clear All Stored DTCs**” if there are any DTCs shown on the list.
11. Turn the ignition key to the “**OFF**” position and remove the StarMOBILE unit, StarMOBILE vehicle cable, and battery charger from the vehicle.

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Completion Reporting and Reimbursement

Claims for vehicles that have been serviced must be submitted on the DealerCONNECT Claim Entry Screen located on the Service tab. Claims submitted will be used by Chrysler to record recall service completions and provide dealer payments.

Use one of the following labor operation numbers and time allowances:

	Labor Operation Number	Time Allowance
CCN Update Previously Performed	18-J3-01-81	0.2 hours
Reprogram Cabin Compartment Node using wiTECH scan tool	18-J3-01-82	0.2 hours
Reprogram Cabin Compartment Node using StarSCAN/StarMOBILE scan tool	18-J3-01-83	0.3 hours

Add the cost of the recall parts package plus applicable dealer allowance to your claim.

NOTE: See the Warranty Administration Manual, Recall Claim Processing Section, for complete recall claim processing instructions.

Dealer Notification

To view this notification on DealerCONNECT, select “Global Recall System” on the Service tab, then click on the description of this notification.

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Owner Notification and Service Scheduling

All involved vehicle owners known to Chrysler are being notified of the service requirement by first class mail. They are requested to schedule appointments for this service with their dealers. A generic copy of the owner letter is attached.

Enclosed with each owner letter is an Owner Notification postcard to allow owners to update our records if applicable.

Dealers are encouraged to consider alternative scheduling and servicing approaches for this recall. This repair does not require hoists or other full service facility special equipment and is a Chrysler Mobile Service approved repair.

Vehicle Lists, Global Recall System, VIP and Dealer Follow Up

All involved vehicles have been entered into the DealerCONNECT Global Recall System (GRS) and Vehicle Information Plus (VIP) for dealer inquiry as needed.

GRS provides involved dealers with an updated VIN list of their incomplete vehicles. The owner's name, address and phone number are listed if known. Completed vehicles are removed from GRS within several days of repair claim submission.

To use this system, click on the "Service" tab and then click on "Global Recall System." Your dealer's VIN list for each recall displayed can be sorted by: those vehicles that were unsold at recall launch, those with a phone number, city, zip code, or VIN sequence.

Dealers must perform this repair on all unsold vehicles before retail delivery. Dealers should also use the VIN list to follow up with all owners to schedule appointments for this repair.

Recall VIN lists may contain confidential, restricted owner name and address information that was obtained from the Department of Motor Vehicles of various states. Use of this information is permitted for this recall only and is strictly prohibited from all other use.

Additional Information

If you have any questions or need assistance in completing this action, please contact your Service and Parts District Manager.

Customer Services Field Operations
Chrysler Group LLC



SAFETY RECALL J30 REPROGRAM CCN - TRANSMISSION FLUID TEMPERATURE WARNING

Dear: (Name)

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act.

Chrysler has decided that a defect, which relates to motor vehicle safety, exists in some **2007 and 2008 model year Jeep® Wrangler vehicles.**

The problem is... The transmission fluid in your vehicle (VIN: xxxxxxxxxxxxxxxxxxxx) may overheat under certain driving conditions. Continuous operation under these conditions may cause the transmission fluid to boil over and come in contact with hot engine or exhaust components. This could cause an underhood fire without warning.

What your dealer will do... Chrysler will repair your vehicle free of charge (parts and labor). To do this, your dealer will reprogram the Cabin Compartment Node (CCN) module to add a transmission temperature warning feature to the vehicle. An Owner's manual addendum will also be provided on the operation and function of this new feature. The work will take about 1/2 hour to complete. However, additional time may be necessary depending on service schedules.

What you must do to ensure your safety... Simply contact your dealer right away to schedule a service appointment. The enclosed addendum supplements your Owner Manual. **Please place the addendum letter in the Owner's Manual of your vehicle for reference by you or future owners.**

If you need help... If you have questions or concerns which your dealer is unable to resolve, please contact Chrysler at 1-800-853-1403.

Please help us update our records by filling out the attached prepaid postcard, if any of the conditions listed on the card apply to you or your vehicle. You may also update this information on the web at
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If you have already experienced this condition and have paid to have it repaired, you may send your original receipts and/or other adequate proof of payment to the following address for reimbursement: Chrysler Recall Customer Assistance, P.O. Box 21-8007, Auburn Hills, MI 48321-8007, Attention: Reimbursement.

If your dealer fails or is unable to remedy this defect without charge and within a reasonable time, you may submit a written complaint to the Administrator, National Highway Traffic Safety Administration, 1200 New Jersey Ave., S.E., Washington, DC 20590, or call the toll-free Vehicle Safety Hotline at 1-888-327-4236 (TTY 1-800-424-9153), or go to <http://www.safercar.gov>.

We're sorry for any inconvenience, but we are sincerely concerned about your safety. Thank you for your attention to this important matter.

Customer Services Field Operations
Chrysler Group LLC
Notification Code J30

Note to lessors receiving this recall: Federal regulation requires that you forward this recall notice to the lessee within 10 days.

OWNER'S MANUAL ADDENDUM

“HOTOIL” Transmission Temperature Warning Message

The “HOTOIL” cluster message accompanied with a continuous audible chime indicates that there is excessive transmission fluid temperature that might occur with severe usage such as trailer towing. It may also occur when operating the vehicle in a high torque converter slip condition, such as 4-wheel-drive operation (e.g., snow plowing, off- road operation). If this “HOTOIL” message accompanied with a continuous chime comes on, stop the vehicle and run the engine at idle or faster, with the transmission in NEUTRAL until the light turns off.

CAUTION!

Continued driving with the Transmission Temperature “HOTOIL” Warning message illuminated will eventually cause severe transmission damage or transmission failure.

WARNING!

Continued operation with the Transmission Temperature “HOTOIL” Warning message illuminated could cause the fluid to boil over, come in contact with hot engine or exhaust components causing a fire that may result in personal injury.

Disabling Electronic Stability Program (ESP) for Modified Vehicles (4WD Models Only)

Vehicles modified with larger tires and/or suspension lifts may experience early ESP activations as compared to a non-modified production vehicle depending on lift size, tire size, suspension changes and/or driving habits. If early ESP activations are experienced while driving a modified vehicle, the additional ability to permanently turn off ESP is available. A steering wheel/ESP button maneuver must be performed to permanently disable ESP and defeat the functionality of the ESP switch. Repeating the procedure will return the system to normal ESP operation and restore ESP switch functionality allowing ESP “Partial” or “Off” modes.

WARNING!

With ESP in the permanent disable mode, enhanced vehicle stability offered by the ESP and Electronic Roll Mitigation (ERM) systems is unavailable. In an emergency evasive maneuver, the ESP and ERM systems will not engage to assist in maintaining stability. This disabled mode is intended for off-highway or off-road use only. Vehicle modifications requiring the owner to configure the vehicle in the ESP disabled mode will seriously affect the vehicle’s roadworthiness and safety and may lead to loss of control and/or accident resulting in possible serious or fatal injuries.

The following procedure will disable (or re-enable) ESP functionality in the vehicle:

1. Shift the transfer case into the 4H range position.
2. Turn the steering wheel until it is centered and the wheels are pointed straight ahead.
3. Cycle the ignition key OFF to ON.
4. Wait approximately five seconds for the system bulb check.
5. Turn and hold the steering wheel one-half turn to the right (clockwise).
6. Press and hold the ESP OFF button for seven seconds.
7. Turn the steering wheel back to center, and turn and hold an additional one-half turn to the left (counter clockwise).
8. Press and hold the ESP OFF button for seven seconds.
9. Turn the steering wheel back to center.
10. Press and hold the ESP OFF button for seven seconds.
11. Cycle the ignition key to OFF.

After performing the ESP disable procedure correctly, “ESP OFF” will be displayed in the odometer for approximately 12 seconds each time the ignition is moved to ON. Repeating the ESP disable procedure will re-enable normal ESP operation.