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February 5, 2008

Mr. Daniel C. Smith  
Associate Administrator for Enforcement  
National Highway Traffic Safety Administration  
1200 New Jersey Avenue, SE  
West Building, Fourth Floor  
Washington, D.C. 20590

08V-059  
(12 pages)

Dear Mr. Smith:

Attached is Chrysler LLC's ("Chrysler") Defect Information Report, complying with the requirements of 49 CFR Part 573, Defect and Noncompliance Reports, which contains details of a potential safety related defect on a small number of 2008 model year Jeep Grand Cherokee and Commander Vehicles. The front control module may have been manufactured incorrectly. This could cause the vehicle's engine to stall while driving or not to start and/or cause the windshield wipers to become inoperative. Chrysler will conduct a safety recall to inspect the front control module and replace if necessary.

Sincerely,

Stephan J. Speth

Enclosure: Defect Information Report for Chrysler Recall H03  
Dealer and Owner Notification Letters for Chrysler Recall H03

cc: K.C. DeMeter, NHTSA  
Division of Occupational Safety & Health  
California Department of Industrial Relations

**DEFECT INFORMATION REPORT FOR CHRYSLER LLC RECALL H03**

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**Submission date:** February 5, 2008

**Identifying classification of vehicles potentially affected:**

<b>Make</b>	<b>Models</b>	<b>Model Year</b>	<b>Inclusive Dates of Manufacture</b>	<b>Volume</b>
Jeep	Grand Cherokee, Commander	2008	December 4 -11, 2007	1,338

**Estimated percentage containing defect:** 27%

**The involved Vehicle Identification Number range is:**

<u>Low</u>	<u>High</u>
8C130561	8C183048

(VIN last eight characters) - 8 = 2008 model year; C = Jefferson North Assembly Plant, Detroit, Michigan; and the last six digits = sequential number.

Chrysler cautions that the above range represents only the lowest and highest VIN sequential numbers included in the recall. This range cannot be used to determine conclusively that a vehicle is involved in the recall because most vehicles with a VIN within the range are not affected by the recall.

**The name, address and telephone number of the supplier who manufactured the subject components:**

Continental Automotive Systems  
2400 Executive Hills Blvd  
Auburn Hills, MI 48326  
Phone: 248-209-4590

**Description of defect:**

The front control module may have been manufactured incorrectly. This could cause the vehicle's engine to stall while driving or not to start and/or cause the windshield wipers to become inoperative.

**The following chronology of principal events occurred between December 2007 and January of 2008 and led to the determination of a defect:**

- In December of 2007, the Supplier of the front control module utilized on 2008 model year Jeep Grand Cherokees and Commanders informed Chrysler that a small number of parts were manufactured incorrectly (polarity reversed on three capacitors).

## **DEFECT INFORMATION REPORT FOR CHRYSLER LLC RECALL H03**

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- Investigation determined that front control modules manufactured on three days in early December of 2007 were the only parts affected by the reversed polarity issue.
- Chrysler initiated a vehicle hold at the Jefferson North Assembly Plant.
- Analysis determined that the reversed polarity condition could cause the vehicle's engine to stall while driving or not to start and/or cause the windshield wipers to become inoperative.
- Chrysler inspected all held vehicles and replaced the front control module on vehicles built with parts manufactured during the affected three days. However, it was determined that 356 suspect front control modules built during this time period were installed on 1,338 vehicles that were outside of the held vehicle population (27%).
- Chrysler is not aware of any customer complaints or field reports related to this issue.
- This data was presented to the Vehicle Regulations Committee on January 29, 2008, who decided to conduct a safety recall to inspect the front control module and replace if necessary.

### **Statement of measures to be taken to correct defect:**

Chrysler will inspect the front control module and replace if necessary. Chrysler expects to initiate national notification to dealers on February 11, 2008 and to owners on February 18, 2008.

Chrysler has a long standing policy and practice of reimbursing owners who have incurred the cost of repairing a problem that subsequently becomes the subject of a field action. To ensure consistency, Chrysler, as part of the owner letter, will request that customers send original receipt and/or other adequate proof of payment to the company for confirmation of the expense.



February 2008

Dealer Service Instructions for:

## **Safety Recall #03 Front Control Module**

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### **Models**

2008 (WK) Jeep® Grand Cherokee

2008 (XK) Jeep® Commander

*NOTE: This recall applies only to the above vehicles built from December 4, 2007 through December 11, 2007 (MDH 120406 through 121119).*

*IMPORTANT: Many of the vehicles within the above build period have already been inspected or repaired and, therefore, have been excluded from this recall.*

**IMPORTANT: Some of the involved vehicles may be in dealer new vehicle inventory. Federal law requires you to complete this recall service on these vehicles before retail delivery. Dealers should also consider this requirement to apply to used vehicle inventory and should perform this recall on vehicles in for service. Involved vehicles can be determined by using the VIP inquiry process.**

### **Subject**

The Front Control Module (FCM) on about 1,300 of the above vehicles may have been manufactured incorrectly. This could cause the vehicle's engine to stall or not start and/or cause the windshield wipers to become inoperative. Engine stalling or inoperative wipers could cause a crash without warning.

### **Repair**

The Front Control Module build date code must be inspected on all vehicles. Those vehicles that have Front Control Modules with a Julian date code of 337, 338, or 339 must have the FCM replaced and the new module configured to the vehicle.

**Alternate Transportation**

Dealers should attempt to minimize customer inconvenience by placing the owner in a loaner vehicle if inspection determines that Front Control Module replacement is required and the vehicle must be held overnight.

**Parts Information**

<u>Part Number</u>	<u>Description</u>
<b>CBA0H030</b>	<b>Module, Front Control</b>

Due to the small number of involved vehicles expected to require Front Control Module replacement, no parts will be distributed initially. **Modules should be ordered only after inspection determines that replacement is required. *Very few vehicles are expected to require Front Control Module replacement.***

**Special Tools**

**The following existing special tools may be required to perform this repair:**

- CH9401\*                      StarSCAN® Tool
- CH9404\*                      StarSCAN Vehicle Cable
- CH9409\*                      StarSCAN Documentation Kit
- CH9410\*                      Ethernet Cable 12 ft.
- CH9412\*                      StarSCAN Software Update Device Kit
- NPN                              TechCONNECT PC
- NPN                              StarSCAN Software Update CD

\* Part of CH9400 kit.

**Service Procedure**

**CAUTION:** Front Control Module (FCM) damage may occur if the module case comes in contact with the battery while the battery cables are still connected. Always disconnect the battery negative cable prior to removal of the FCM.

1. Disconnect and isolate the negative battery cable.
2. Partially remove the Integrated Power Module (IPM) from the engine compartment using the following procedure:
  - a. Remove the IPM cover by pulling up on the cover tabs and pivoting the cover outward.
  - b. Remove the nut from the IPM B+ terminal stud (Figure 1).
  - c. Remove the cable terminal from the IPM B+ stud.
  - d. Using a suitable flat bladed tool, depress the three retaining clips and lift the IPM straight up off of the bracket tabs (Figure 2).
  - e. Lay the IPM on its side to expose the FCM Julian date code label (Figure 3).

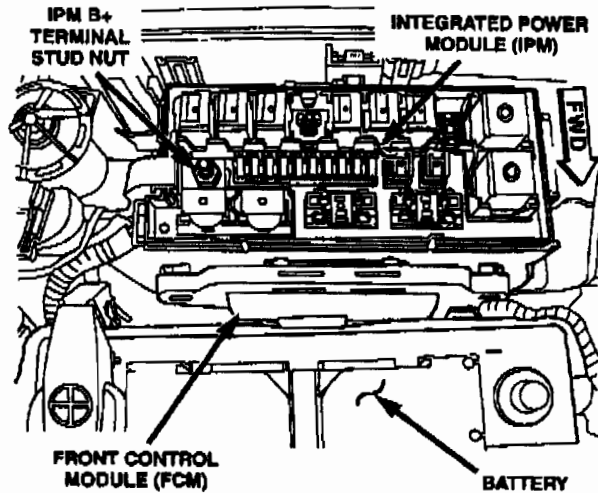


Figure 1

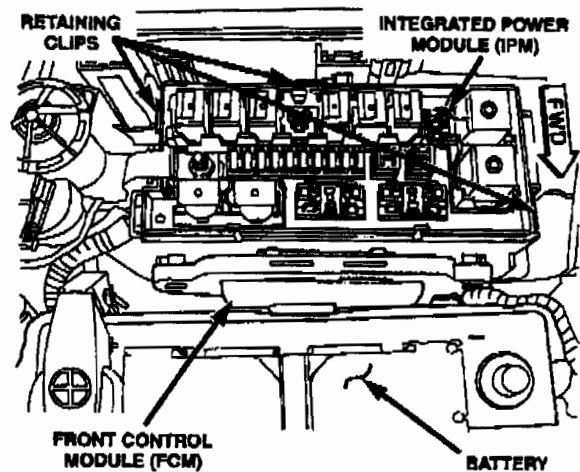


Figure 2

**Service Procedure (Continued)**

3. Inspect the Julian date code on the label located on the backside of the FCM (Figure 3).

**CAUTION: The FCM has two labels. One label is located on the front side of the FCM. The second label is located on the back side of the FCM between the module electrical connectors. The Julian date code label to be inspected is located on the back (electrical connector) side of the FCM.**

**NOTE: The Julian date is the 6<sup>th</sup>, 7<sup>th</sup>, and 8<sup>th</sup> character in the bottom row of numbers (Figure 3).**

- If the Julian date code is lower than 337 or higher than 339 the FCM **does not** require replacement. Continue with Step 15 of this procedure.
- If the Julian date code is 337, 338, or 339 the FCM **must be replaced**. Continue with Step 3 of this procedure.

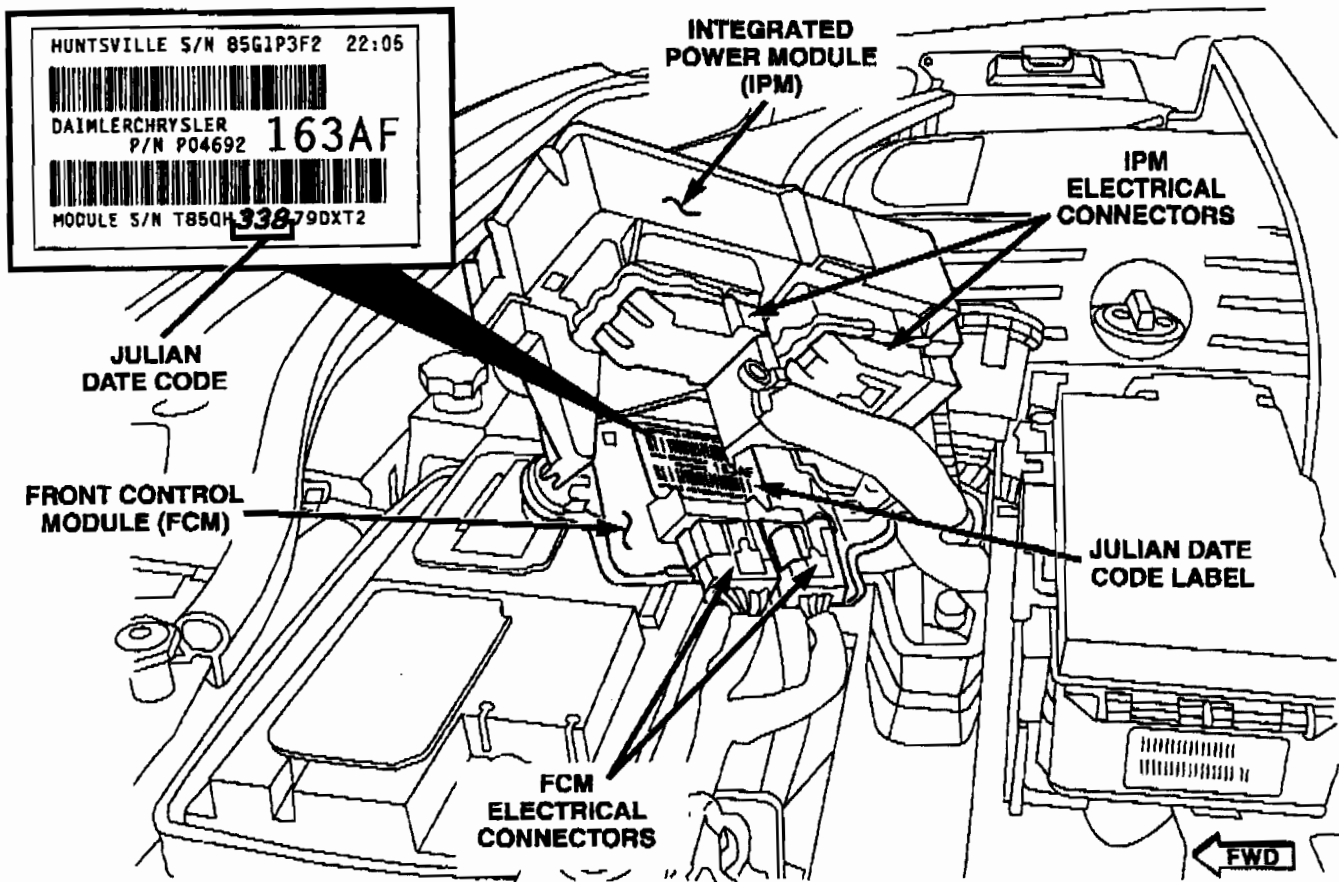
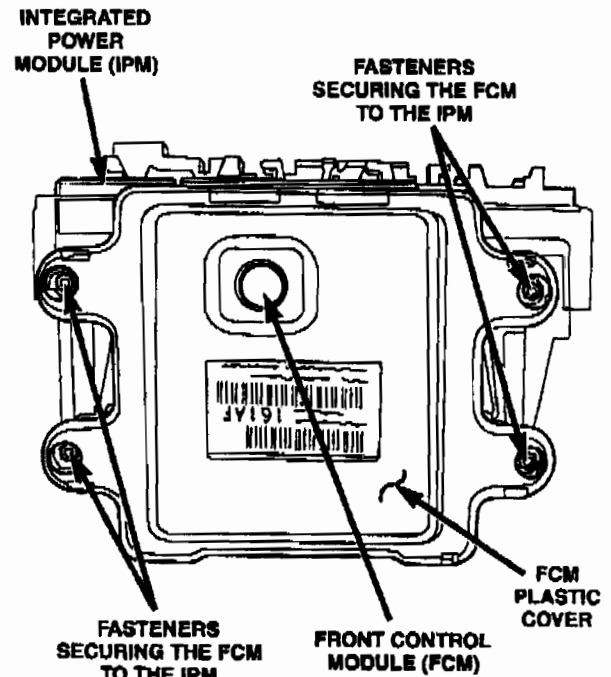


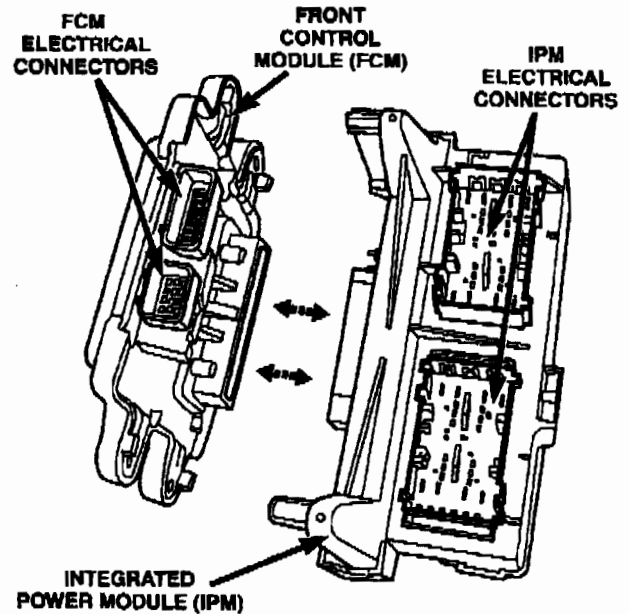
Figure 3

**Service Procedure (Continued)**

4. Disconnect the two IPM electrical connectors (Figure 3).
5. Disconnect the two FCM electrical connectors (Figure 3).
6. Remove the IPM assembly from the vehicle.
7. Remove the four fasteners securing the FCM to the IPM (Figure 4).
8. Separate the original FCM from the IPM by pulling the two straight away from each other to disengage the electrical connector (Figure 5).
9. Transfer the plastic cover from the original FCM module to the new FCM module (Figure 4).
10. Connect the new FCM to the IPM by lining up the electrical connector and pushing the two modules together (Figure 5).
11. Install the four fasteners securing the FCM to the IPM (Figure 4).
12. Position the IPM into the vehicle.
13. Connect the two FCM electrical connectors (Figure 3).
14. Connect the two IPM electrical connectors (Figure 3).



**Figure 4**



**Figure 5**



**Service Procedure (Continued)**

15. Position the IPM over the three bracket tabs and apply downward pressure until the retaining clips snap securely into place (Figure 2).
16. Install the battery positive cable to the IPM B+ terminal stud.
17. Install the IPM B+ terminal stud nut (Figure 1). Tighten the nut to 105 in. lbs. (11 N·m).
18. Install and close the IPM cover ensuring the locking tabs snap firmly in place.
19. Connect the negative battery cable.
20. **For vehicles that had the FCM replaced**, reconfigure the FCM using the following procedure:
  - a. Connect the StarSCAN to the data link connector on the vehicle and the dealership network.
  - b. Turn the ignition to the “RUN” position.
  - c. Power “ON” the StarSCAN.
  - d. Starting at the StarSCAN “HOME” screen, select “ECU View”.
  - e. Select “FCMCGW Central Gateway” from the list.
  - f. Select “Misc Functions”.
  - g. Select “Restore Vehicle Configurations” from the list and press the blue “START” button in the upper right corner of the screen.
  - h. Follow the on-screen instructions to complete the reconfiguration process.
  - i. Disconnect the StarSCAN from the vehicle.

**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:

	<b>Labor Operation Number</b>	<b>Time Allowance</b>
Inspect FCM date code	08-H0-31-81	0.2 hours
Inspect FCM date code, replace and reconfigure the FCM	08-H0-31-82	0.5 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**

All dealers will receive one copy of this dealer recall notification letter by mail. To view this notification on DealerCONNECT, select “Global Recall System” on the Service tab, then click on the description of this notification.

**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



## **SAFETY RECALL H03 – FRONT CONTROL MODULE**

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 2008 model year Jeep® Commander and Grand Cherokee vehicles.

***The problem is...*** The Front Control Module (FCM) on your Jeep (VIN: xxxxxxxxxxxxxxxxx) may have been manufactured incorrectly. This could cause the vehicle's engine to stall or not start and/or cause the windshield wipers to become inoperative. Engine stalling or inoperative wipers could cause a crash without warning.

***What your dealer will do...*** Chrysler will repair your vehicle free of charge (parts and labor). To do this, your dealer will inspect the build date code on the FCM and replace it if necessary. The work will take about ½ 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. Remember to bring this letter with you to your dealer.

***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.

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 P.O. Box 4639 Oak Ridge, TN 37831, 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  
Notification Code H03

*Buckle up  
for Safety!*

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