



CHRYSLER

October 2011

Dealer Service Instructions for:

Safety Recall L01

Occupant Restraint Controller Module

Models

2008 (RT) Dodge Grand Caravan and Chrysler Town & Country

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 Occupant Restraint Controller (ORC) module on about 298,900 of the above vehicles may have been contaminated by water leaking from the Heating, Ventilation & Air Conditioning (HVAC) drain grommet. Water in the ORC module could cause the illumination of the airbag warning light and/or a potential inadvertent airbag deployment without warning.

Repair

The original ORC module must be interrogated using a wiTECH scan tool to determine which replacement ORC module to install. Once the correct replacement ORC module has been determined, the original ORC module must be replaced.

NOTE: All vehicles involved in this recall are also involved in Safety Recall K25. If not previously performed, Safety Recall K25 must also be performed at this time.

WARNING: Failure to perform Safety Recall K25, if required, could allow water from the HVAC unit to contaminate the new ORC module. Do not complete Recall L01 without verifying on the VIP system that Safety Recall K25 has also been performed.

Parts Information

<u>Part Number</u>	<u>Description</u>
CAN3L011AB	Module, Occupant Restraint Controller
CAA3L012AB	Module, Occupant Restraint Controller
CAA3L013AB	Module, Occupant Restraint Controller
CAN3L014AB	Module, Occupant Restraint Controller
CAD3L015AB	Module, Occupant Restraint Controller
CAA3L016AB	Module, Occupant Restraint Controller

Special Tools

The following special tools are required to perform this repair:

- | | |
|-------|--------------------|
| ➤ NPN | wiTECH VCI Pod Kit |
| ➤ NPN | Laptop Computer |
| ➤ NPN | wiTECH Software |

Service Procedure**A. Interrogate the Original ORC Module**

1. Connect the wiTECH scan tool to the vehicle.
2. Select ORC module from the Vehicle View screen.
3. Select the “**ECU Details**” tab.
4. Read the “**ECU Part Number**”.
5. Use the chart below to determine which replacement ORC module to install.
Then continue to Section B. Replace ORC Module.

<u>Original</u> ORC Module Part Number	<u>Replacement</u> ORC Module Part Number
05094018AL thru 05094018AO	CAN3L011AB
05094019AL thru 05094019AO	CAA3L012AB
68000020AI thru 68000020AL	CAA3L013AB
05094018AA thru 05094018AK	CAN3L014AB
68054687AA or 68054687AB	CAN3L014AB
05094019AB thru 05094019AK	CAD3L015AB
68054688AA or 68054688AB	CAD3L015AB
68000020AA thru 68000020AH	CAA3L016AB
68054689AA or 68054689AB	CAA3L016AB

Service Procedure (Continued)**B. Replace ORC Module**

WARNING: To avoid serious or fatal injury on vehicles equipped with side curtain airbags, disable the Supplemental Restraint System (SRS) before attempting any Occupant Restraint Controller (ORC) module diagnosis or service. The ORC module contains a rollover sensor, which enables the system to deploy the side SRS components in the event of a vehicle rollover event. If an ORC module is accidentally rolled during service while still connected to battery power, the side SRS components will deploy. Disconnect and isolate the battery negative (ground) cable, then wait two minutes for the system capacitor to discharge before performing further diagnosis or service. This is the only sure way to disable the SRS. Failure to take the proper precautions could result in accidental airbag deployment.

WARNING: To avoid serious or fatal injury on vehicles equipped with airbags, disable the Supplemental Restraint System (SRS) before attempting any ORC module diagnosis or service. Disconnect and isolate the battery negative (ground) cable, then wait two minutes for the system capacitor to discharge before performing further diagnosis or service. This is the only sure way to disable the SRS. Failure to take the proper precautions could result in accidental airbag deployment.

WARNING: To avoid serious or fatal injury, never strike or drop the Occupant Restraint Controller (ORC) module, as it can damage the impact sensor or affect its calibration. The ORC module contains the impact sensor, which enables the system to deploy the Supplemental Restraint System (SRS) components. If an ORC module is accidentally dropped during service, the module must be scrapped and replaced with a new unit. Failure to observe this warning could result in accidental, incomplete, or improper SRS component deployment.

1. Disconnect and isolate the battery negative cable. Wait two minutes for the system capacitor to discharge.
2. Remove and save the six lower storage bin retaining push pins.
3. Remove and save the cup holder.

Service Procedure (Continued)

4. Remove and save the right side center stack bracket (Figure 1).
5. If equipped, carefully relocate the right side floor air duct (Figure 2).
6. **Vehicles equipped with Electronic Stability Program (ESP)**, remove and save the ESP dynamics sensor from the right side of the ORC module mounting bracket.
7. Disconnect the yellow instrument panel wire harness connector and body wire harness connector from the ORC module yellow electrical receptacles located on the rearward facing side of the ORC module (Figure 2).

NOTE: To disconnect the wire harness connectors from the ORC module, depress the release tab and lift the lever arm to the fully open position on each connector. Disconnecting the 36 pin connector first will allow for an easier access when disconnecting the 72 pin connector.

8. Remove and save the three screws that secure the ORC module to the ORC mounting bracket.



Figure 1 – Right Side Center Stack Bracket

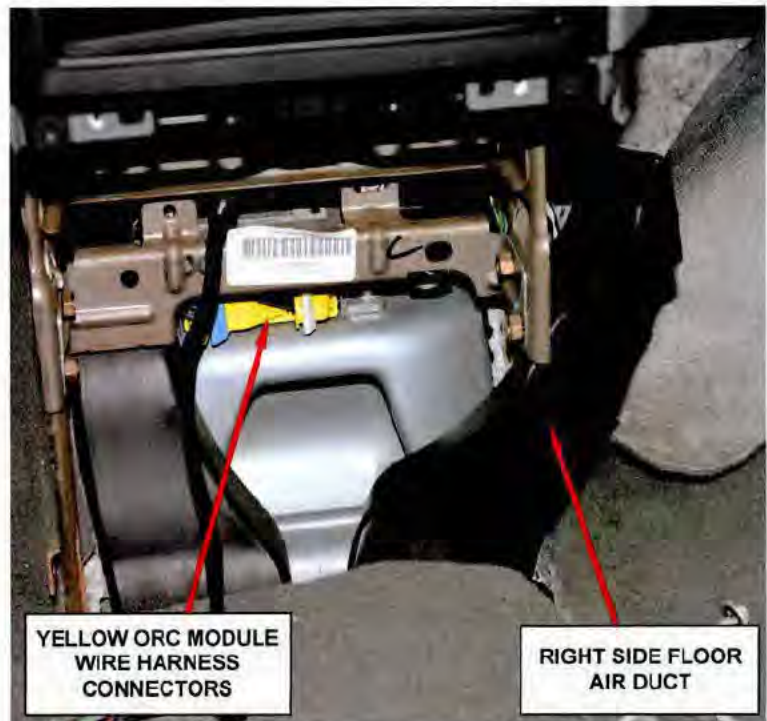


Figure 2 – Right Side Floor Air Duct

Service Procedure (Continued)

9. Working from the right side of the floor panel transmission tunnel, lift the original ORC module far enough to disengage the locating pins and remove the original ORC module from the bracket. Discard the original ORC module.
10. Working from the right side of the floor panel transmission tunnel, carefully position the new ORC module to the ORC module mounting bracket.

**Figure 3 – ORC Module**

NOTE: When the ORC module is correctly positioned, the arrow on the ORC module label will be pointed forward in the vehicle and the locating pins on the bottom of the ORC module will be engaged into the locating holes in the bracket.

11. Install and tighten the three screws that secure the ORC module to the ORC module mounting bracket. Tighten the screws to 88 in. lbs. (10 N·m).
12. Reconnect the body wire harness connector and the instrument panel wire harness connector to the ORC module yellow electrical receptacles located on the rearward facing side of the module (Figure 3). Be certain that the latches on both connectors are each fully engaged.

CAUTION: The lever arms of the wire harness connectors for the ORC module **MUST** be in the unlatched position before they are inserted into their connector receptacles on the ORC module or they may become damaged.

13. Vehicles equipped with Electronic Stability Program (ESP), install the ESP dynamics sensor onto the right side of the ORC module mounting bracket.
14. If equipped, place the right side floor air duct back into position (Figure 2).
15. Install the right side center stack bracket (Figure 1).
16. Install the cup holder.

Service Procedure (Continued)

17. Install the center stack lower storage bin and six retaining push pins.
18. Do not reconnect the battery negative cable at this time. The Supplemental Restraint System (SRS) verification test procedure must be performed following ORC module replacement.
19. Perform the following Supplemental Restraints Verification Test procedure:
 - a. Be certain that the diagnostic scan tool contains the latest version of the proper diagnostic software. Connect the scan tool to the 16-way Data Link Connector (DLC).
 - b. Turn the ignition switch to the “ON” position.
 - c. Check to be certain that nobody is in the vehicle, then reconnect the battery negative cable.
 - d. Using the scan tool, read and record the active (current) Diagnostic Trouble Code (DTC) data.
 - e. Next, use the scan tool to read and record any stored (historical) DTC data.
20. New ORC modules are shipped in a “Locked Out” state and will set a B-2722 fault code “ORC LOCKED-ALL DEPLOYMENT DISABLED.” Perform the following ORC Module Initialization procedure using the wiTECH scan tool:
 - a. Select the ORC icon from the vehicle view screen.
 - b. Select the “**Miscellaneous Functions**” tab.
 - c. Select “**Initialize ORC**” from the list.
 - d. Follow the screen prompts on the wiTECH screen.

NOTE: This will erase the fault codes and initialize the ORC module.
21. Turn the ignition switch to the “OFF” position for 15 seconds, and then back to the “ON” position. Observe the airbag indicator in the instrument cluster. The airbag indicator lamp should illuminate for four to six seconds, and then go out. This indicates that the SRS is functioning normally and that the repairs are complete.

Service Procedure (Continued)

22. If not previously performed, Safety Recall K25 – Heating, Ventilation & Air Conditioning Drain Tube and Grommet must be performed at this time.

Refer to Safety Recall K25 Dealer Service Instructions for the service procedure, labor operation numbers, and labor time allowances.

WARNING: Failure to perform Safety Recall K25, if required, could allow water from the HVAC unit to contaminate the new ORC module. Do not complete this recall without verifying on the VIP system that Safety Recall K25 has also been performed.

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 the following labor operation number and time allowance:

	<u>Labor Operation Number</u>	<u>Time Allowance</u>
Interrogate original ORC module and then replace the ORC module	08-L0-11-82	0.8 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.

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 L01

OCCUPANT RESTRAINT CONTROLLER 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 the **2008 model year Dodge Grand Caravan and Chrysler Town & Country vehicles.**

The problem is... The Occupant Restraint Controller (ORC) module on your vehicle (VIN: xxxxxxxxxxxxxxxxx) may have been contaminated by water leaking from the Heating, Ventilation & Air Conditioning (HVAC) drain grommet. Water in the ORC module could cause the illumination of the airbag warning light and/or a potential inadvertent airbag deployment without warning.

Also, all involved vehicles that have not had Safety Recall K25 – HVAC Drain Tube & Grommet previously performed must have it completed at this time.

What your dealer will do... Chrysler will repair your vehicle free of charge (parts and labor). To do this, your dealer will replace the ORC module and perform Safety Recall K25, if not already completed. The work will take about one hour to complete. However, additional time may be necessary depending on service schedules.

What you must do to ensure your safety... Simply contact your Chrysler, Jeep, or Dodge dealer right away to schedule a service appointment. Ask the dealer to hold the parts for your vehicle or to order them before your appointment. **Please 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 the Chrysler Group Recall Assistance Center 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 www.chrysler.com/ownersreg or www.dodge.com/ownersreg.

If you have already experienced this condition and have paid to have it repaired, please send your original receipts and/or other adequate proof of payment to the following address for reimbursement: Chrysler Customer Assistance, P.O. Box 21-8007, Auburn Hills, MI 48321-8007, Attention: Reimbursement. Once we receive and verify the required documents, reimbursement will be sent to you within 60 days.

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 L01

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