

DAIMLERCHRYSLER

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DEFECT INVESTIGATION

DaimlerChrysler Corporation
Stephan J. Speth
Director
Vehicle Compliance & Safety Affairs

April 5, 2006

Mr. Daniel Smith
Associate Administrator, Safety Assurance
National Highway Traffic Safety Administration
400 Seventh Street, S.W.
Washington, D.C. 20590

Dear Mr. Smith:

Reference: NHTSA Identification Number 06V-036

Enclosed are representative copies of communications relating to the 2006 model year vehicles involved in the referenced recall. DaimlerChrysler expects to notify dealers during the week of April 10, 2006 and to begin owner notification during the week of April 17, 2006. The exact number of manufactured vehicles in the recall is 14,837.

The involved Vehicle Identification Number range is:

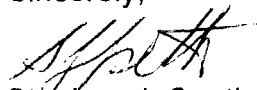
<u>Low</u>	<u>High</u>
6W100046	6W178199

(VIN last eight characters) - 6 = 2006; W = Toledo North Assembly Plant, Toledo, OH; and the last six digits = sequential number.

We caution 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 of vehicles with a VIN within the range are not affected by the recall.

This completes DaimlerChrysler's package of information for this recall as required by the Defects Report Regulation.

Sincerely,



Stephan J. Speth, Director
Vehicle Compliance and Safety Affairs

Enclosure: Recall F02

cc: K.C. DeMeter

Dealer Service Instructions for:

Safety Recall F02 Oxygen Sensor Wiring

Models

2006 (KJ) Jeep® Liberty 4x2

NOTE: This recall applies only to the above vehicles equipped with an automatic transmission built through November 1, 2005 (MDH 110107).

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 oxygen sensor wiring on about 14,800 of the above vehicles may come in contact with the exhaust system, which can cause an underbody fire.

Repair

The excess length of the oxygen sensor wiring must be secured away from the exhaust system with a tie strap and any damaged wiring must be repaired.

Parts Information

<u>Part Number</u>	<u>Description</u>
04641780	Strap, Plastic Tie

Each dealer to whom vehicles in the recall were invoiced will receive enough **Plastic Tie Straps** to service about **20%** of those vehicles.

CBC0F020 Harness Repair Kit

NOTE: *This kit applies only to those vehicles with damage to the convolute and/or wiring as determined by the inspection in **Section A**. Very few vehicles are expected to require this repair.*

Each kit contains the following components:

<u>Quantity</u>	<u>Description</u>
4	Heat shrink tube
1	½” Convolute tube
1	Connector
1	Connector fastener
2	Tie strap

Service Procedure**A. INSPECT AND TIE STRAP WIRING HARNESS**

1. Raise the vehicle on a suitable hoist.
2. Locate the powertrain wire harness to the left (driver’s side) oxygen sensor connector. This wiring is at the rear of the transmission by the transmission extension housing and spans over the exhaust pipe. (Figure 1)

Service Procedure (Continued)

3. Inspect the wiring over the exhaust pipe for heat damage.
 - If the outer protective convolute and or wires have been damaged (melted), continue with **Section B – Wiring Harness Repair**.
 - If the outer protective convolute has not been damaged (melted), continue to Step 4.

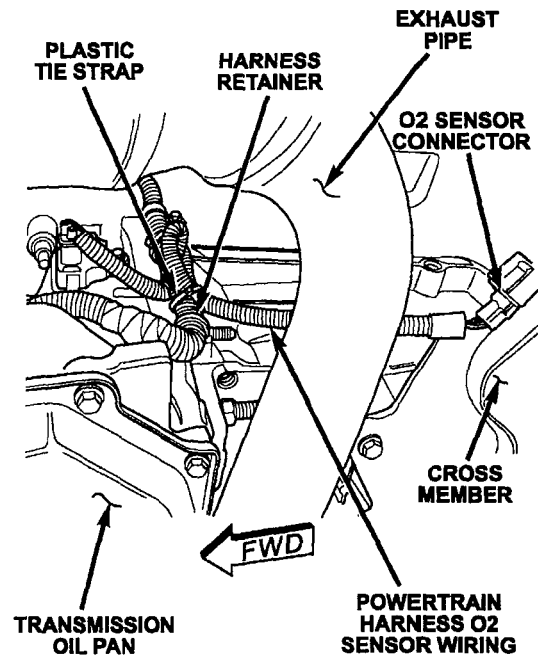


Figure 1

4. Pull the powertrain harness oxygen sensor wiring towards the transmission leaving a slight droop to allow for engine/transmission movement.
5. Secure the excess length to the main trunk of the powertrain harness just above the harness retainer with the plastic tie strap (PN 04641780) as shown in Figure 1. Cut off the excess tie strap leader.
6. Lower the vehicle from the hoist and return the vehicle to the customer.

B. WIRING HARNESS REPAIR

NOTE: This kit applies only to those vehicles with damage to the convolute and/or wiring as determined the inspection in **Section A**. Very few vehicles are expected to require this repair.

1. Pull apart the reflective convolute and pull the wires out for inspection.
 - If **no heat damage** (melted) is found on the insulation of any of the four wires to the oxygen sensor connector, continue with Step 21.
 - If **heat damage** is found (melted) on the insulation of any of the four wires to the oxygen sensor connector, continue with Step 2.

Service Procedure (Continued)

2. Disconnect the left rear oxygen sensor (Figure 2).
3. Disconnect the 4-way connector fastener from the cross member. Make sure the hole in the cross member is free of debris.
4. Remove the entire damaged 3/8” reflective convolute tube (from the powertrain wire harness to the left rear oxygen sensor connector).
5. Note the wire colors and terminal locations of each wire in the oxygen sensor connector.

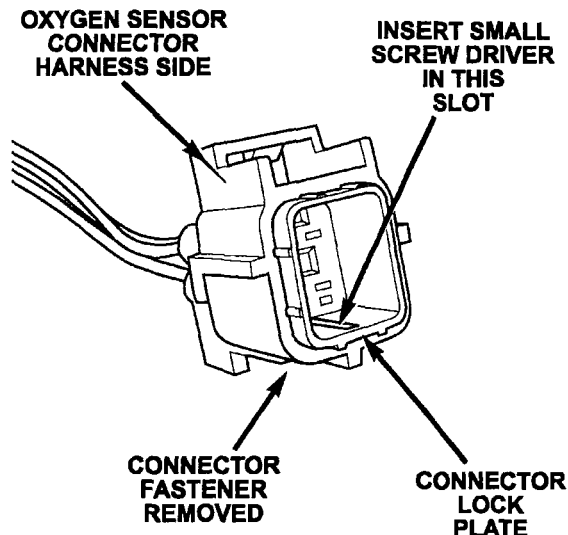


Figure 2

6. Using a small screw driver, remove the lock plate from the oxygen sensor connector. (Figure 2)
7. Remove the four wire terminals from the 4-way connector by disengaging the latch for each wire terminal, then pulling back on the wire. (Figure 3).
8. Discard the lock plate and the old 4-way connector.
9. Slide one heat shrink tube over the damaged area of the wire and center it.
10. Using a heat gun, apply heat along the entire length of the heat shrink tube until the tube shrinks tightly on the wire and sealant comes out of both ends.
11. Repeat Steps 9 and 10 for the other damaged wires as needed.

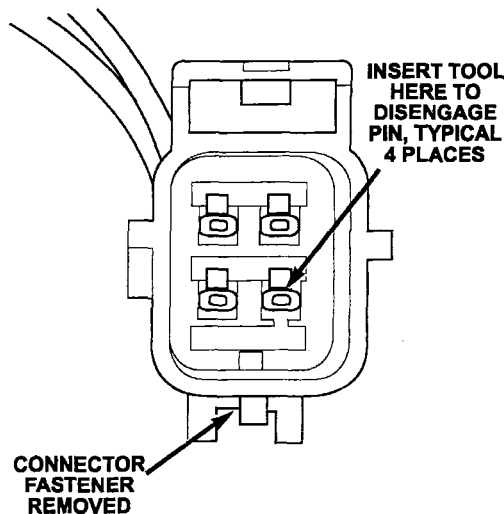


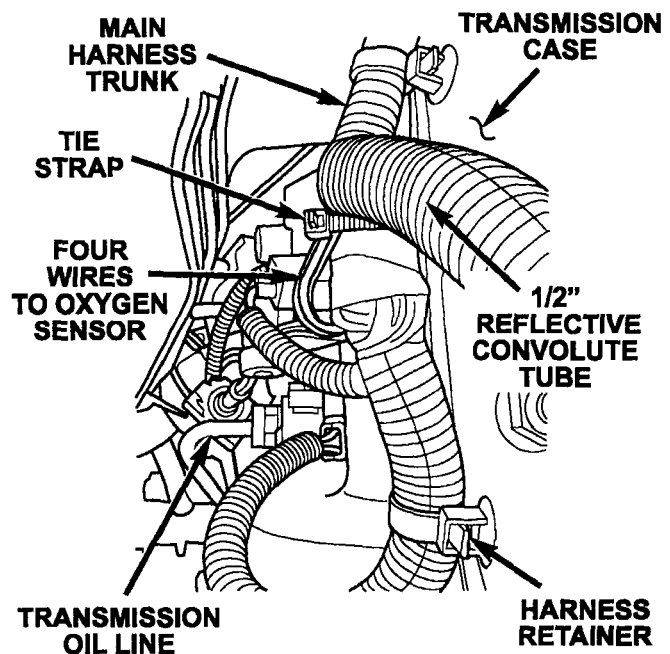
Figure 3 Connector Lock Plate Removed

Service Procedure (Continued)

12. Install the 1/2" reflective convolute over the four oxygen sensor wires (Figure 4).
13. Noting the wire positions as recorded in Step 5 insert the four wire terminals into the new 4-way connector until they are securely latched.

NOTE: Do not remove the lock plate from the connector.

14. Confirm the lock plate is fully seated into the harness connector by pushing on the yellow connector lock plate with a small screwdriver.
15. Wiggle the wires at the back of the connector to ensure proper seating of the wire to connector seal.
16. Insert the new connector fastener onto the new connector.
17. Attach the 4-way harness connector to the oxygen sensor and push the connector fastener into the cross member.
18. Tie strap the end of the 1/2" reflective convolute nearest to the connector. Cut off the excess tie strap leader.
19. Tie strap the excess length of the repaired oxygen sensor wiring to the main trunk of the powertrain harness just above the mounting bracket of the transmission as shown in Figure 4.
20. Lower the vehicle from the hoist and return the vehicle to the customer.
21. Cut away only the damaged section of the reflective convolute.
22. Insert the four oxygen sensor wires back into the two reflective convolute tubes.
23. Cut a new piece of 1/2" reflective convolute tube to a length 1" longer than the four exposed oxygen sensor wires.



Service Procedure (Continued)

- 24. Starting at the connector end, install the new 1/2" reflective convolute tube over the existing 3/8" reflective convolute tube end leaving a 1/2" overlap at each end.
- 25. Pull the repaired powertrain harness oxygen sensor wiring towards the transmission leaving a slight droop to allow for engine/transmission movement.
- 26. Tie strap the excess length of the repaired oxygen sensor wiring to the main trunk of the powertrain harness just above the mounting bracket of the transmission as shown in Figure 5.
- 27. Lower vehicle from the hoist.

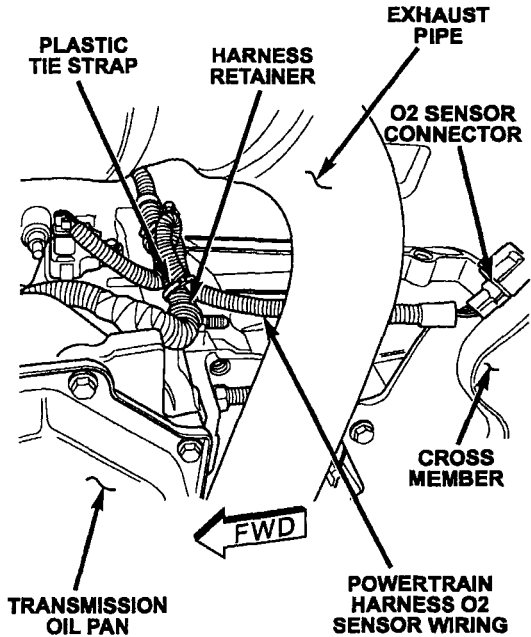


Figure 5

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 DaimlerChrysler 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
Secure excess wire length	08-F0-21-82	0.2 hours
Repair convolute and secure excess wire length.	08-F0-21-83	0.2 hours
Repair heat damaged wires and secure excess wire length.	08-F0-21-84	0.5 hours

Add the cost of the tie strap (and harness repair kit if necessary) 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 a copy of this dealer recall notification letter by mail. Two additional copies will be sent through the DCMMS. 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 DaimlerChrysler 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.

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
DaimlerChrysler Corporation

*Buckle up
for Safety!*

SAFETY RECALL F02 – OXYGEN SENSOR WIRING

Dear: (Name)

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

DaimlerChrysler Corporation has decided that a defect, which relates to motor vehicle safety, exists in some **2006 model year Jeep® Liberty 4x2 vehicles equipped with an automatic transmission.**

The problem is... The oxygen sensor wiring on your vehicle (VIN: xxxxxxxxxxxxxxxxxxxx) may come in contact with the exhaust system, which can cause an underbody fire.

What your dealer will do... DaimlerChrysler will repair your vehicle free of charge (parts and labor). To do this, your dealer will secure the oxygen sensor wiring away from the exhaust system and repair the wiring if necessary. The work will take up to ½ hour to complete. However, additional time may be necessary depending on how dealer appointments are scheduled and processed.

What you must do to ensure your safety... Simply **contact your dealer** right away to schedule a service appointment. Ask the dealer to hold the part for your vehicle or to order it before your 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 DaimlerChrysler at 1-800-853-1403.

Please help us update our records, by filling out the enclosed prepaid postcard, if any of the conditions listed on the card apply to you or your vehicle. Be sure to print the last eight (8) characters of the VIN (VVVVVVVV) and notification code F02 on the postcard.

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: DaimlerChrysler 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, 400 Seventh Street, S.W., 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
DaimlerChrysler Corporation
Notification Code F02

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