



File In Section: Product Recalls  
Bulletin No.: 09121  
Date: May 2009

# Recall Bulletin



## PRODUCT SAFETY RECALL

**SUBJECT:** Positive Battery Cable Routing - Reroute

**MODELS:** 2010 Chevrolet Camaro  
Equipped with a V8 Engine

GM will be calling customers of sold vehicles and requesting them not to drive their vehicle. Dealers are to provide customers with courtesy transportation and, if requested, assist with vehicle transport to the dealership.

The engine wiring harness tape (Elliott EG190) required for the service procedure is not available through GMSPO at this time. Tape is being shipped from the Warranty Parts Center at no charge to dealers via UPS Overnight Delivery – Attention: Parts Manager, beginning Tuesday, May 5, 2009. All dealers should have tape no later than Monday, May 11, 2009.

**TO AVOID BATTERY POSITIVE STARTER CABLE DAMAGE, WRAP THE BATTERY POSITIVE STARTER CABLE WITH THE PROTECTIVE TAPES SPECIFIED IN THIS BULLETIN. DO NOT USE ANY OTHER TAPE TO COMPLETE THE REPAIR.**

Depending on the availability of the Elliott EG190 tape, a temporary repair option is available. Dealers can provide customers with the option of a temporary fix (described in the service procedure), which would allow them to use their vehicle, but would require a return visit, or the use of courtesy transportation until the tape is available. These options can also be used in the event that a vehicle is to be delivered to a customer. Again, this temporary fix will only be necessary until the tape arrives at your dealership, no later than Monday, May 11, 2009.

### CONDITION

General Motors has decided that a defect, which relates to motor vehicle safety, exists in **certain** 2010 model year Chevrolet Camaro vehicles equipped with a V8 engine. Some of these vehicles have a condition in which the positive battery cable may contact the starter motor housing and cause wear on the cable insulation. If the insulation wears through to the cable, it could create a short. A short could result in a no start condition, cause the vehicle to stall without the ability to restart, or result in an engine compartment fire.

CORRECTION

Dealers are to reroute the positive battery cable to ensure adequate clearance.

VEHICLES INVOLVED

Involved are **certain** 2010 model year Chevrolet Camaro vehicles equipped with a V8 engine, and included in the report attached to the GM GlobalConnect Message announcing this recall.

**Important:** Dealers are to confirm vehicle eligibility prior to beginning repairs by using the GM Vehicle Inquiry System (GMVIS). Not all vehicles within the above breakpoints may be involved.

For dealers with involved vehicles, a listing with involved vehicles containing the complete vehicle identification number, customer name, and address information has been prepared and will be provided through the applicable system listed below. Dealers will not have a report available if they have no involved vehicles currently assigned.

- US and Canadian dealers – GM GlobalConnect Recall Reports
- Export dealers - sent directly to dealers

The listing may contain customer names and addresses obtained from Motor Vehicle Registration Records. The use of such motor vehicle registration data for any purpose other than follow-up necessary to complete this recall is a violation of law in several states/provinces/countries. Accordingly, you are urged to limit the use of this report to the follow-up necessary to complete this recall.

PARTS INFORMATION

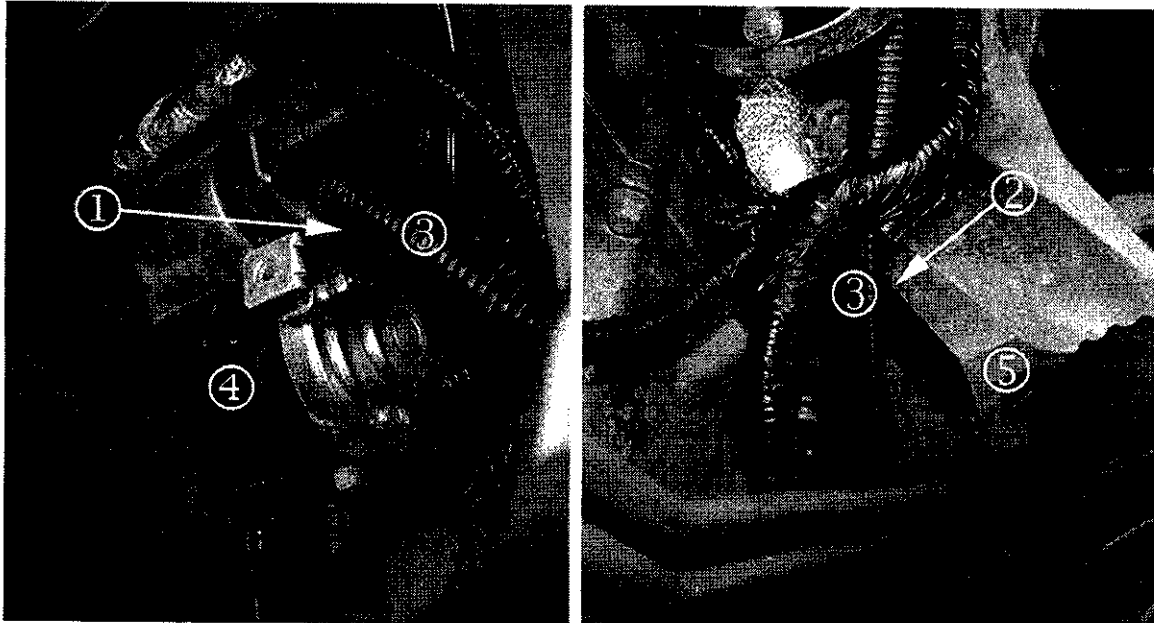
The engine wiring harness tape will be shipped at no charge via UPS Overnight Delivery – Attention: Parts Manager, beginning Tuesday, May 5, 2009. All dealers should have tape at their dealership no later than Monday, May 11, 2009. Additional tape, if needed, is to be obtained by calling the Technical Assistance Center (TAC) at 1-877-446-8227 (US), 1-800-263-7740 (Canada English), or 1-800-263-7960 (Canada French), and requesting TAC P/N 472.

All other parts required to complete this recall are to be obtained from General Motors Service and Parts Operations (GMSPO). Please refer to your “involved vehicles listing” before ordering parts. Normal orders should be placed on a DRO = Daily Replenishment Order. In an emergency situation, parts should be ordered on a CSO = Customer Special Order.

Part Number	Description	Quantity/Vehicle
21021808	Nut, Bat Pos Cbl	1
21012386	Washer	2
10184916	Tape, Insulating	305 mm (12 in)
25757810	Deadener (Butyl Patch)	1
NPN (P/N 19117900 or 19117901 to be available in the future)	Tape, Eng Wrg Harn (Elliott EG190 tape)	305 mm (12 in)

**SERVICE PROCEDURE**

1. Disconnect negative battery cable. Refer to *Battery Negative Cable Disconnection and Connection* in SI.
2. Lift and support vehicle. Refer to *Lifting and Jacking the Vehicle* in SI.
3. Remove the starter shield from the vehicle. Refer to *Starter Shield Replacement* in SI.



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- (1) Battery Positive Starter Cable-to-Starter Contact Area
- (2) Motor Mount-to-Battery Positive Starter Cable Contact Area
- (3) Battery Positive Starter Cable
- (4) Starter
- (5) Motor Mount

4. Locate where the battery positive starter cable (3) contacts the starter (4) and motor mount (5). Refer to the illustration above.
5. Remove starter terminal nut and the battery starter cable from the starter terminal.
6. Move the battery starter cable away from the motor mount.



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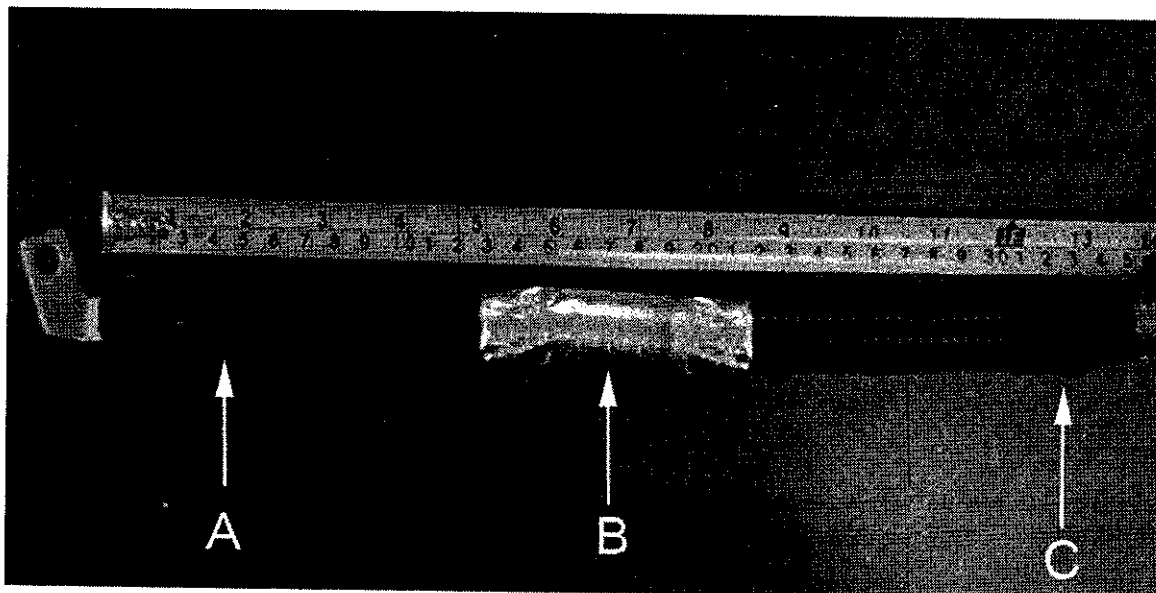
7. Use a hand file to round the edge of the motor mount (5) in the battery positive starter cable-to-motor mount contact area.

**Note:** If the Elliott EG190 tape is NOT available, carefully read and follow the instructions below:

Perform Step 8 to determine if the vehicle is eligible for the temporary repair.

If the vehicle is eligible for the temporary repair, provide the customer with two service options.

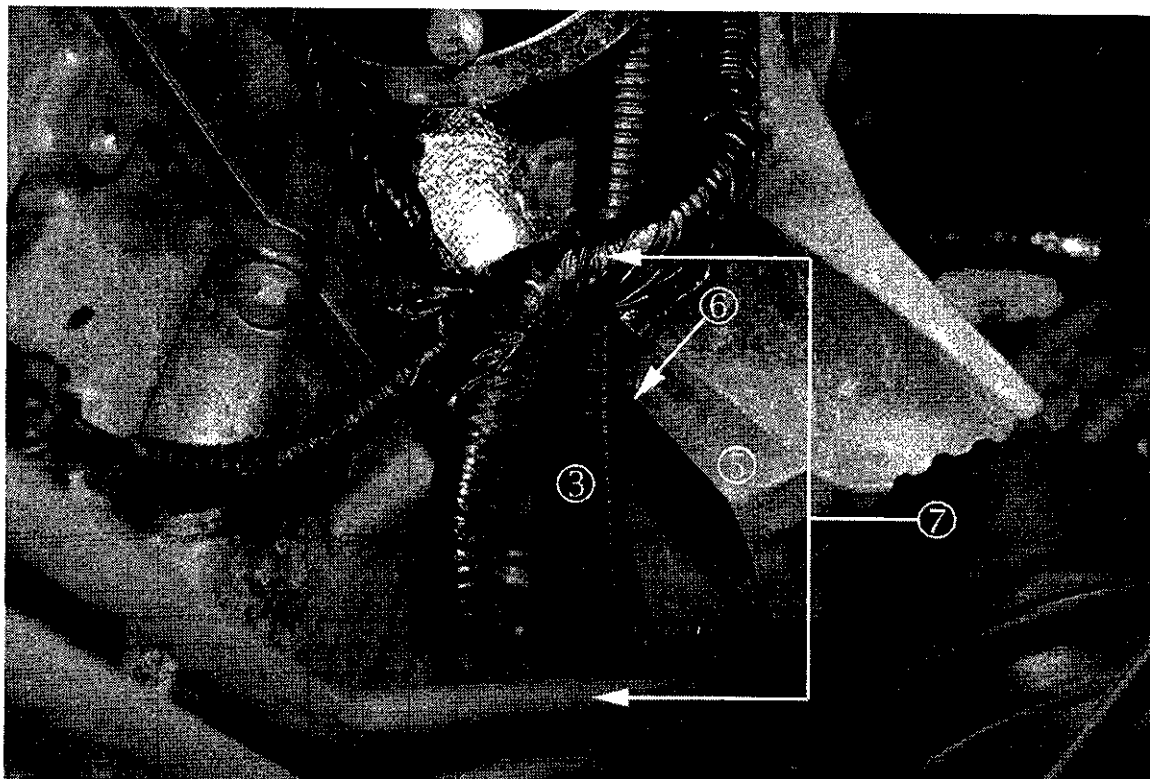
- Service Option 1 is recommended. Service Option 1: Retain the vehicle until the tape is available. Perform the complete procedure (Steps 1 – 18) in one visit.
  - Service Option 2: Perform the service procedure in this bulletin; however, do not perform Steps 9-9.4. Perform Steps 1- 8, and 10-18. Schedule a customer return visit when the tape is available to perform Steps 9-9.4. Steps 9-9.4 must be completed to close this field action.
8. Inspect shrink tube at the terminal end of the battery positive starter cable. If the shrink tube is missing or shows signs of splitting, the vehicle must be held until the Elliott EG190 tape is available. Otherwise the vehicle is eligible for the temporary repair.



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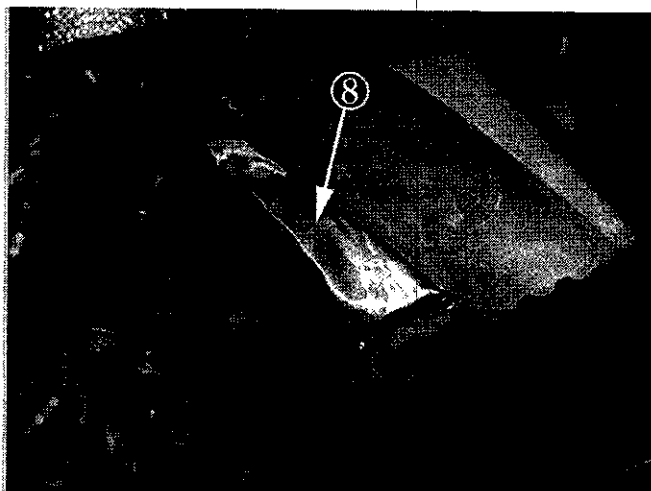
**Caution:** To avoid battery positive starter cable damage, wrap the battery positive starter cable with the protective tapes specified in this bulletin. Do NOT use any other tape to complete the repair.

9. Pull the conduit forward to the terminal and tape it in place using Elliott EG190 tape (P/N 19117900 or 19117901 to be available in the future).
  - 9.1 Secure the conduit to the battery positive starter terminal with Elliott EG190 tape (P/N 19117900 or 19117901 to be available in the future).
  - 9.2 Begin wrapping the tape at the terminal end of the battery positive starter cable and continue wrapping the tape 76 mm (3 in) forward toward the front of the vehicle.
  - 9.3 Wrap the Elliott EG190 tape (P/N 19117900 or 19117901 to be available in the future) around the battery positive starter cable in the specified 76 mm (3 in) section of the cable (A) four times at 50 percent overlap.
  - 9.4 Wrap the other end of the conduit that is forward of the motor mount (C) with the Elliott EG190 tape (P/N 19117900 or 19117901 to be available in the future) to secure the conduit to the channel.



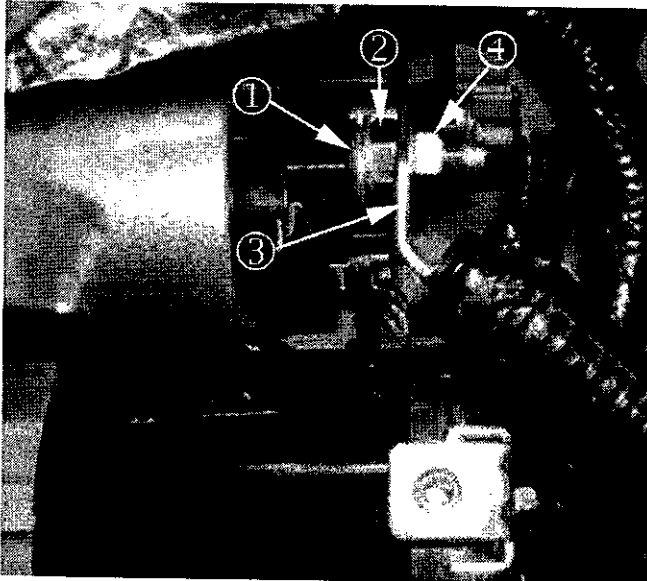
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10. Wrap a piece of Polyken 342 tape, P/N 10184916, around the battery positive starter cable (3) in the motor mount contact area (6) of the cable. Wrap the tape around the cable until it is forward of the motor mount. The tape wrap area (7) should measure about 102 mm (4 in) in length. Wrap the tape in the motor mount area 3 times at 50 percent overlap.
11. Cut a 50 mm (2 in) X 127 mm (5 in) piece of butyl patch, P/N 25757810.
12. Clean the motor mount contact area (6) with 50/50 water isopropyl alcohol solution and a shop towel.



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13. Apply the butyl patch (8) to the contact area of the motor mount (6).



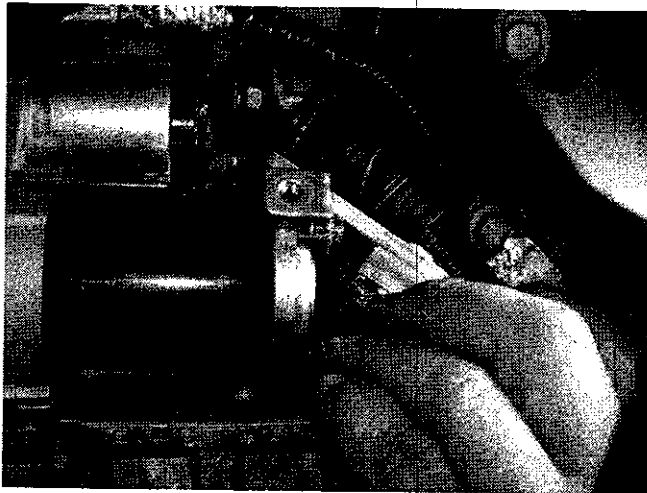
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14. Install the battery positive starter cable to the starter terminal.

14.1 Install two copper washers (1), P/N 21012386, and brass nut (2), P/N 21021808, to terminal.

14.2 Tighten brass nut (2) to 11 N·m (8 lb-ft).

14.3 Install the battery positive starter cable (3) to starter terminal.

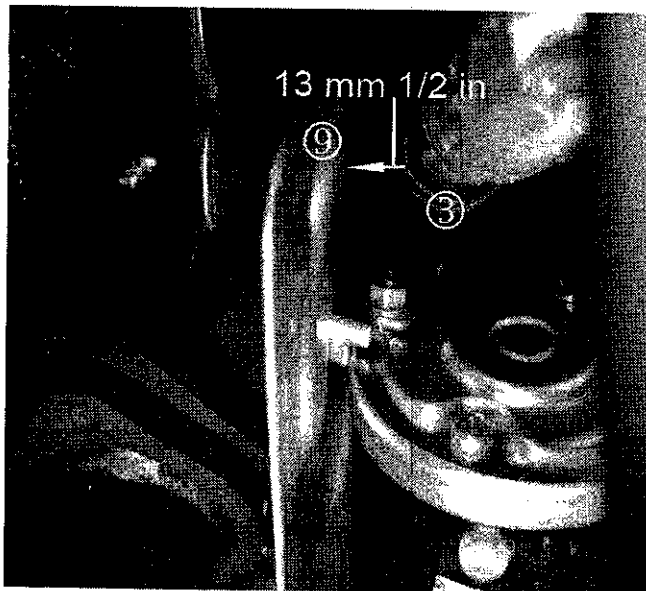


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14.4 Ensure that there is a 4 mm (0.16 in) clearance between the starter and the battery positive starter cable.

14.5 Install and tighten production terminal nut (4) to 11 N·m (8 lb-ft).

15. Install the starter shield. Refer to *Starter Shield Replacement* in SI.



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16. Ensure there is 13 mm (1/2 in) clearance between the battery positive starter cable (3) and the heat shield (9).
17. Lower the vehicle. Refer to *Lifting and Jacking the Vehicle* in SI.
18. Connect the negative battery cable. Refer to *Battery Negative Battery Cable Disconnection and Connection* in SI.

#### COURTESY TRANSPORTATION – For US and Canada

The General Motors Courtesy Transportation program is intended to minimize customer inconvenience when a vehicle requires a repair that is covered by the New Vehicle Limited Warranties. The availability of courtesy transportation to customers whose vehicles are within the warranty coverage period and involved in a product program is very important in maintaining customer satisfaction. Dealers are to ensure that these customers understand that shuttle service or some other form of courtesy transportation is available and will be provided at no charge. Dealers should refer to the General Motors Service Policies and Procedures Manual for Courtesy Transportation guidelines.



**CLAIM INFORMATION**

Submit a Product Recall Claim with the information indicated below:

<b>Repair Performed</b>	<b>Part Count</b>	<b>Part No.</b>	<b>Parts Allow</b>	<b>CC FC</b>	<b>Labor Op</b>	<b>Labor Hours</b>	<b>Net Item</b>
Temporary Fix – Vehicle To Be Returned For Engine Wiring Harness Tape Application (for repairs prior to receiving engine wiring harness tape) (for repairs prior to 5/12/09 only)	4	---	*	MA-96	T5728	0.5	**
Engine Wiring Harness Tape Application Only (to be used if vehicle had temporary fix)	N/A	N/A	N/A	MA-96	V2078	0.3	N/A
Reroute Positive Battery Cable	4	---	*	MA-96	V2079	0.5	**
Courtesy Transportation for vehicles within the New Vehicle Limited Warranties (US & Canadian GM Dealers)	N/A	N/A	N/A	MA-96	T5729	N/A	***
Vehicle Towing	N/A	N/A	N/A	MA-96	T5730	N/A	****

- \* The "Parts Allowance" should be the sum total of the current GMSP0 Dealer net price plus applicable Mark-Up or Landed Cost Mark-Up (for Export) for washers, nut, and butyl patch needed to complete the repair.
- \*\* The amount identified in the "Net Item" column should represent the actual sum total of the current GMSP0 Dealer net price for insulating tape needed to perform the required repairs, not to exceed \$3.72 USD, \$6.96 CAD, plus applicable Mark-Up or Landed Cost (for Export).
- \*\*\* The amount identified in the "Net Item" column should represent the actual dollar amount for courtesy transportation.
- \*\*\*\* The amount identified in the "Net Item" column should represent the actual cost of vehicle towing.

Refer to the General Motors WINS Claims Processing Manual for details on Product Recall Claim Submission.

**CUSTOMER NOTIFICATION – For US and Canada**

General Motors will notify customers of this recall on their vehicle (see copy of customer letter included with this bulletin).

**CUSTOMER NOTIFICATION – For Export**

Letters will be sent to known owners of record located within areas covered by the US National Traffic and Motor Vehicle Safety Act. For owners outside these areas, dealers should notify customers using the attached sample letter.

**DEALER RECALL RESPONSIBILITY** – For US and Export (US States, Territories, and Possessions)

The US National Traffic and Motor Vehicle Safety Act provides that each vehicle that is subject to a recall of this type must be adequately repaired within a reasonable time after the customer has tendered it for repair. A failure to repair within sixty days after tender of a vehicle is prima facie evidence of failure to repair within a reasonable time. If the condition is not adequately repaired within a reasonable time, the customer may be entitled to an identical or reasonably equivalent vehicle at no charge or to a refund of the purchase price less a reasonable allowance for depreciation. To avoid having to provide these burdensome remedies, every effort must be made to promptly schedule an appointment with each customer and to repair their vehicle as soon as possible. In the recall notification letters, customers are told how to contact the US National Highway Traffic Safety Administration if the recall is not completed within a reasonable time.

**DEALER RECALL RESPONSIBILITY** – All

All unsold new vehicles in dealers' possession and subject to this recall must be held and inspected/repaired per the service procedure of this recall bulletin before customers take possession of these vehicles.

Dealers are to service all vehicles subject to this recall at no charge to customers, regardless of mileage, age of vehicle, or ownership, from this time forward.

Customers who have recently purchased vehicles sold from your vehicle inventory, and for which there is no customer information indicated on the dealer listing, are to be contacted by the dealer. Arrangements are to be made to make the required correction according to the instructions contained in this bulletin. A copy of the customer letter is provided in this bulletin for your use in contacting customers. Recall follow-up cards should not be used for this purpose, since the customer may not as yet have received the notification letter.

In summary, whenever a vehicle subject to this recall enters your vehicle inventory, or is in your dealership for service in the future, you must take the steps necessary to be sure the recall correction has been made before selling or releasing the vehicle.

