



# Recall Bulletin



## PRODUCT SAFETY RECALL

**SUBJECT:** Brake Booster Pump – Cavity Plug

**MODELS:** 2013 and some 2014 Cadillac XTS

It is a violation of Federal law for a dealer to deliver a new motor vehicle or any new or used item of motor vehicle equipment (including a tire) covered by this notification under a sale or lease until the defect or noncompliance is remedied.

Vehicles involved in this recall were placed on stop delivery March 14, 2014. Once the service procedure contained in this bulletin has been performed on the vehicle, the vehicle is released from stop delivery and the vehicle can be delivered to the customer.

All involved vehicles that are in dealer inventory must be held and not delivered to customers, dealer traded, or used for demonstration purposes until the repair contained in this bulletin has been performed on the vehicle.

### CONDITION

General Motors has decided that a defect which relates to motor vehicle safety exists in 2013 and some 2014 model year Cadillac XTS vehicles. Pressure within the brake booster pump harness may cause a brake booster pump cavity plug to dislodge from the connector. This could allow contamination which may cause corrosion of the brake booster pump relay connector. If there is sufficient corrosion of the relay connector, it may cause a resistive short and melt the connector, which could cause a fire.

### CORRECTION

Dealers are to ensure that the vacuum pump vent hose is re-routed so it cannot be restricted. Silicone sealer is to be applied to increase the retention of the connector cavity plugs, and where necessary, dealers are to replace the front body wiring harness.

### VEHICLES INVOLVED

All involved vehicles are identified by Vehicle Identification Number on the Investigate Vehicle History screen in GM Global Warranty Management system. Dealership service personnel should always check this site to confirm vehicle involvement prior to beginning any required inspections and/or repairs. It is important to routinely use this tool to verify eligibility because not all similar vehicles may be involved regardless of description or option content.

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 to US and Canadian dealers through the GM GlobalConnect Recall Reports, or sent directly to export dealers. Dealers will not have a report available if they have no involved vehicles currently assigned.

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.

### PART INFORMATION

Parts required to complete this recall are to be obtained from General Motors Customer Care and Aftersales (GMCC&A). 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.

**Important: Due to the small number of vehicles expected to require headlamp wire harness and pump replacement and due to limited initial parts availability, dealers are encouraged not to order parts for use as shelf stock. Parts should only be ordered when inspection determines that replacement is necessary.**

If the inspection determines that harness and pump replacement is required, they are to be obtained from General Motors Customer Care and Aftersales (GMCC&A). **Orders should be placed on a CSO3 = Customer Special Order. All other types will cancel.**

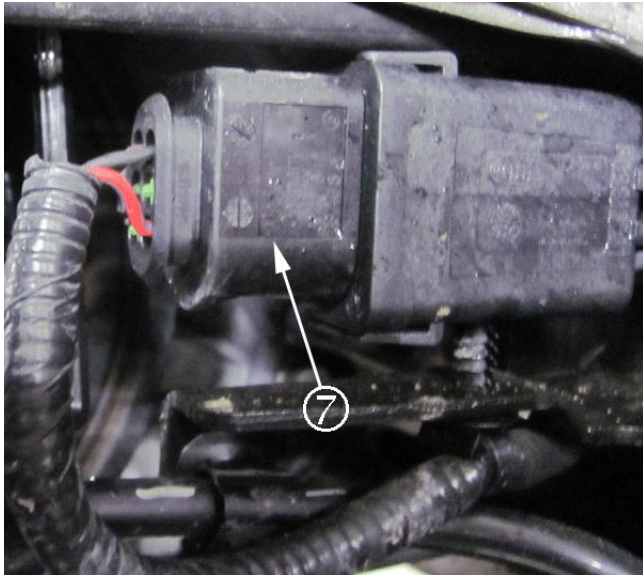
Part Number	Description	Quantity/Vehicle
*	Headlamp Wire Harness	1 (if req'd)
20914523	Pump, P/B Boos	1 (if req'd)
88864346 - US 88861418 - CN	Sealant, RTV Silicone (will service 15 vehicles)	As Needed (submit as Net Item)

\* Refer to the Electronic Parts Catalog (EPC) to order the correct headlamp wiring harness. Vehicle content will determine part number selection. Only a few vehicles will require a wiring harness replacement. Do NOT order a wiring harness unless a wiring harness replacement is required.

### SERVICE PROCEDURE

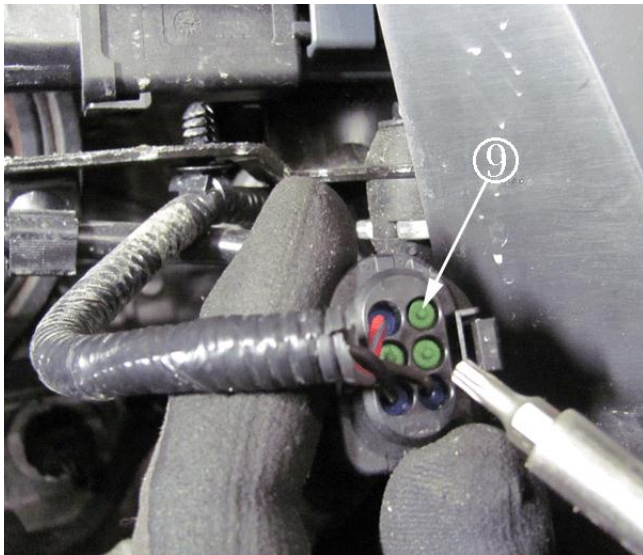
#### **Power Brake Booster Pump Electrical Connector Repair and Vent Hose Routing**

1. Raise and support the vehicle. Refer to *Lifting and Jacking the Vehicle* in SI.
2. Remove the right front wheelhouse front liner. Refer to *Front Wheelhouse Front Liner Replacement* in SI.



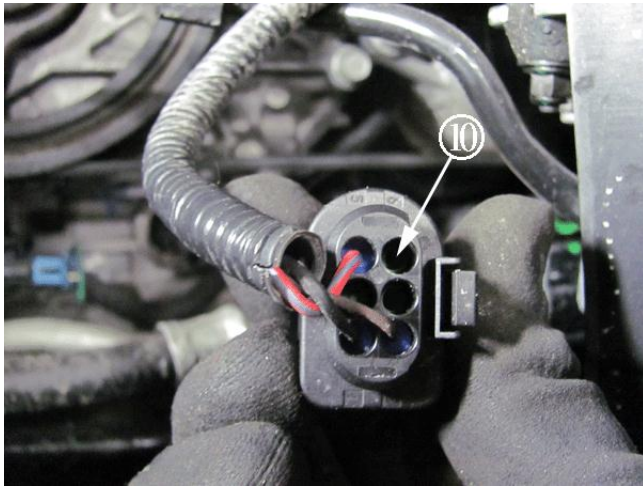
3773716

3. Locate the power brake booster pump electrical connector (7).
4. Disconnect the power brake booster pump electrical connector (7).
5. Inspect the connector for debris and/or corrosion. Clean the connector if required.
6. Determine if three green plugs are installed in the backside of the connector. The green plugs are installed into three of the six cavities on the backside of the connector. Refer to the photograph below.



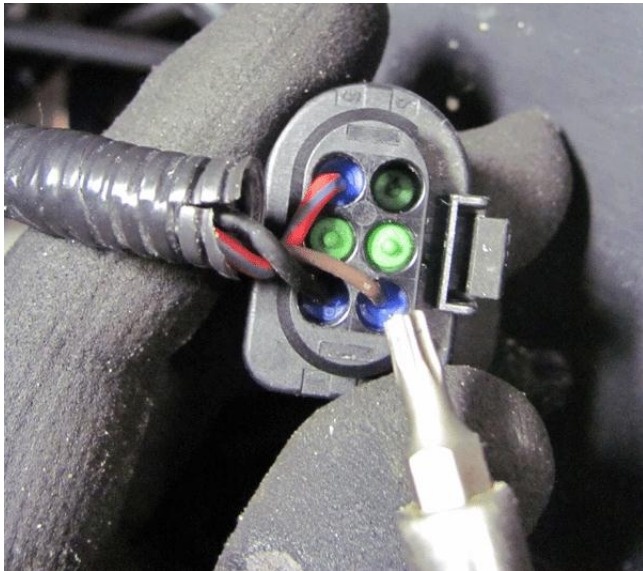
3773742

- If the three green plugs (9) are installed into three of the cavities on the backside of the connector, proceed to step 7.



3773733

- Look down into the cavity to determine if a green plug is missing. If any of the three green plugs are missing, replace the forward lamp harness and power brake booster pump. Refer to *Forward Lamp Harness and Power Brake Booster Pump Replacement* in this bulletin.

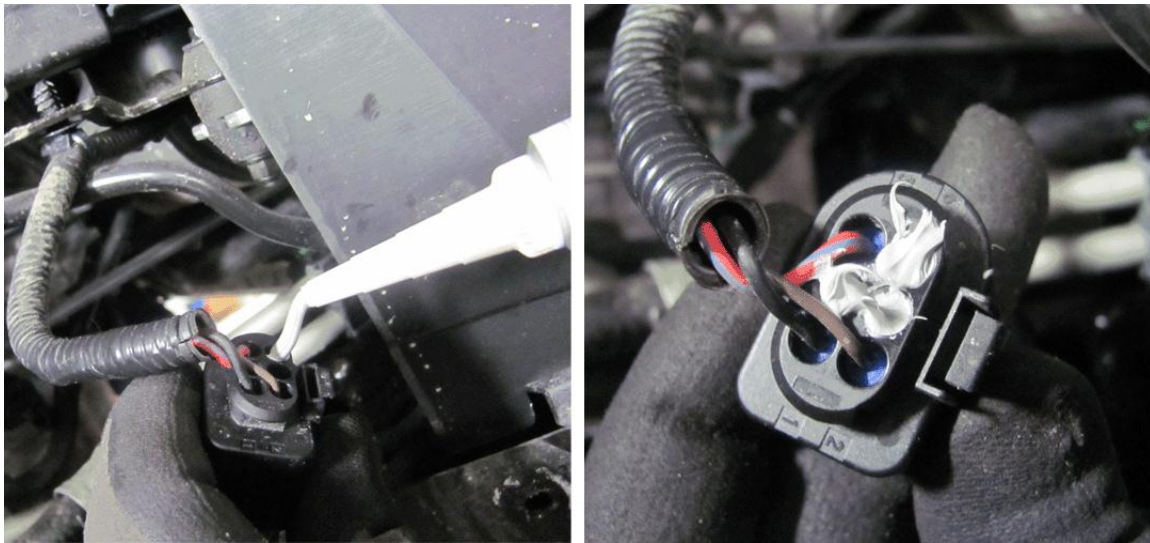


3773737

**Caution:** To avoid damaging the green plugs, do NOT use a sharp-edge tool to push the plug down into the cavity.

7. Lightly push the green plugs to the bottom of the cavity using a small Phillips head screwdriver or T-25 Torx head screwdriver.

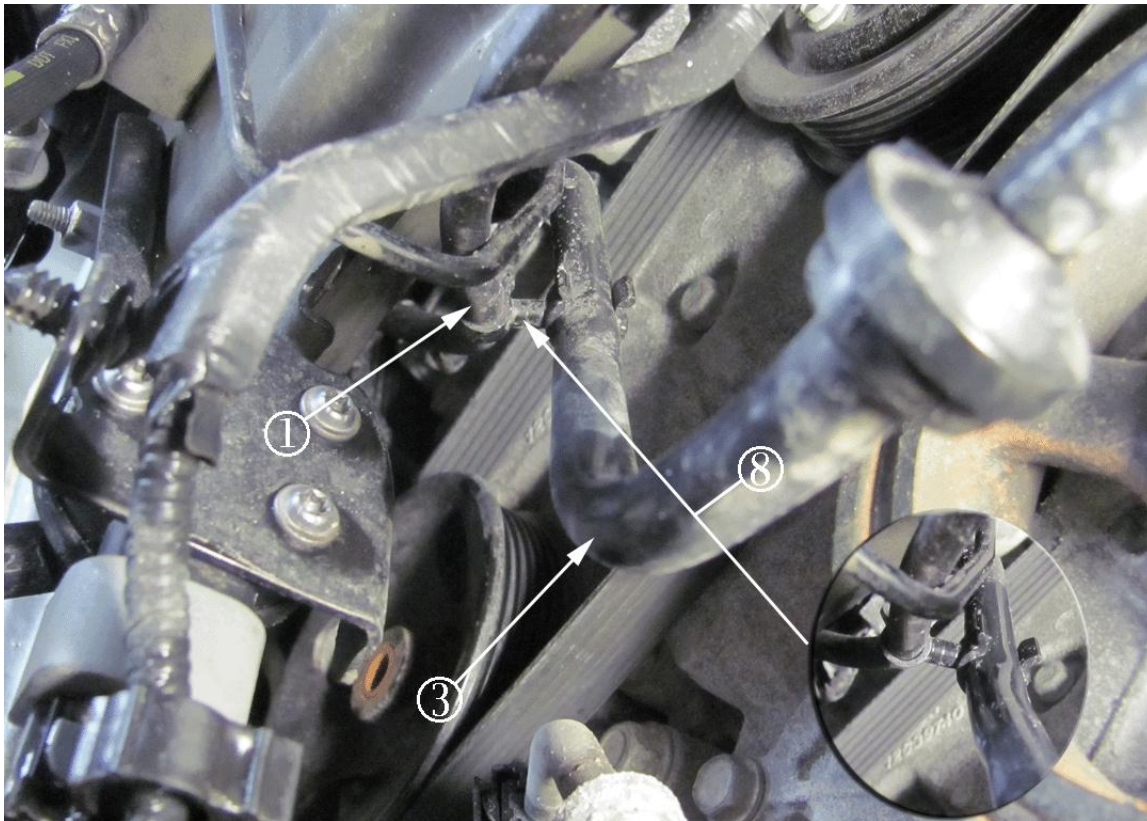




3773718

**Note:** Cut the RTV nozzle to the desired bead size. Use the green plug cavity size as a reference for the bead size.

8. Clean connector of any moisture or dirt debris and fill RTV into the three cavities that the green plugs are installed. Ensure the RTV covers the green plugs in the cavities.
9. Connect the power brake booster pump electrical connector.



3773720

10. Locate the dual hose/pipe clip (8) that secures the power brake booster pump inlet pipe (3) and vent hose (1).

**Note:** Do NOT remove the dual pipe/hose clip from the vent hose. Do NOT reposition the dual clip on the vent tube. Remember where and how the vent tube is routed and attached to the frame rail.

11. Remove the power brake booster pump inlet pipe from the dual pipe/hose clip.

12. Remove the end of the vent hose from the hole in the frame rail.
13. Locate the second clip that secures only the vent hose to the body flange.

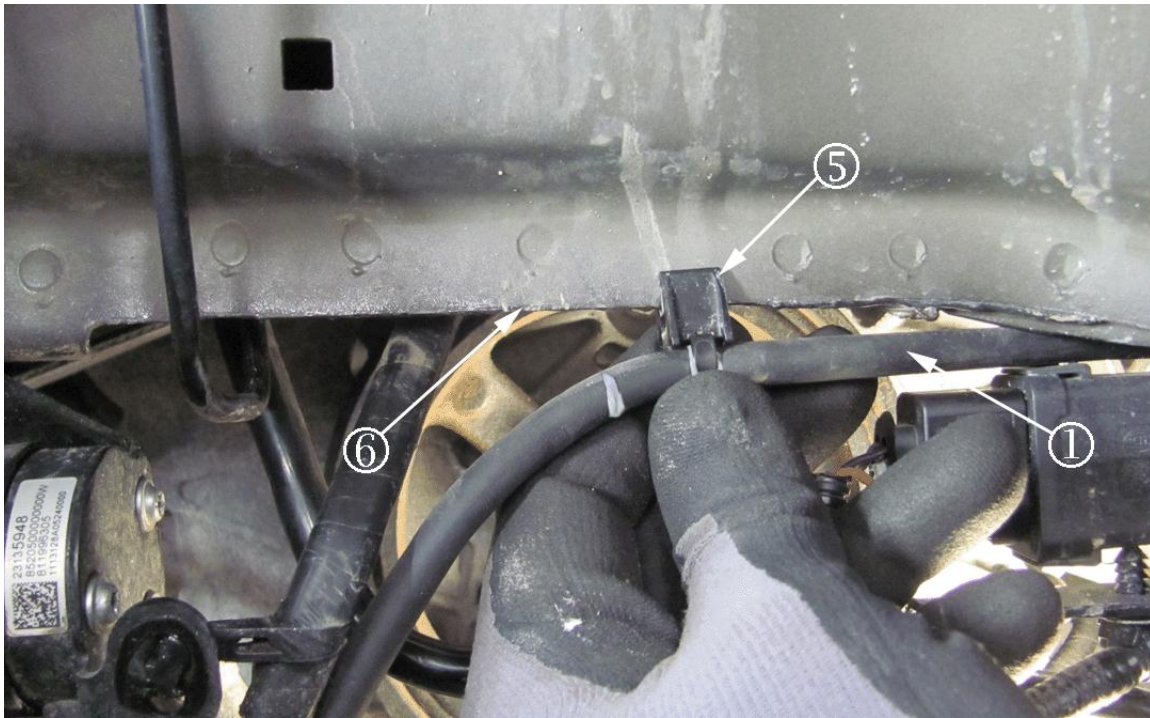


14. Mark the current location of the clip (5) on the vent hose (1) using a pen.
15. Mark the new location of the clip (5) on the vent hose (1) using a pen and tape measure. The new location is 30 mm (1.18 in) toward the power brake booster pump. Make the measurement from the current clip location toward the power brake booster pump.

**Caution:** Only remove the two clips to re-route the vent hose. Avoid pulling on the end of the vent hose that attaches to power brake booster pump. Do NOT remove the vent hose from the power brake booster pump.

16. Detach the clip (5) that secures the vent hose (1) to the body flange (6).

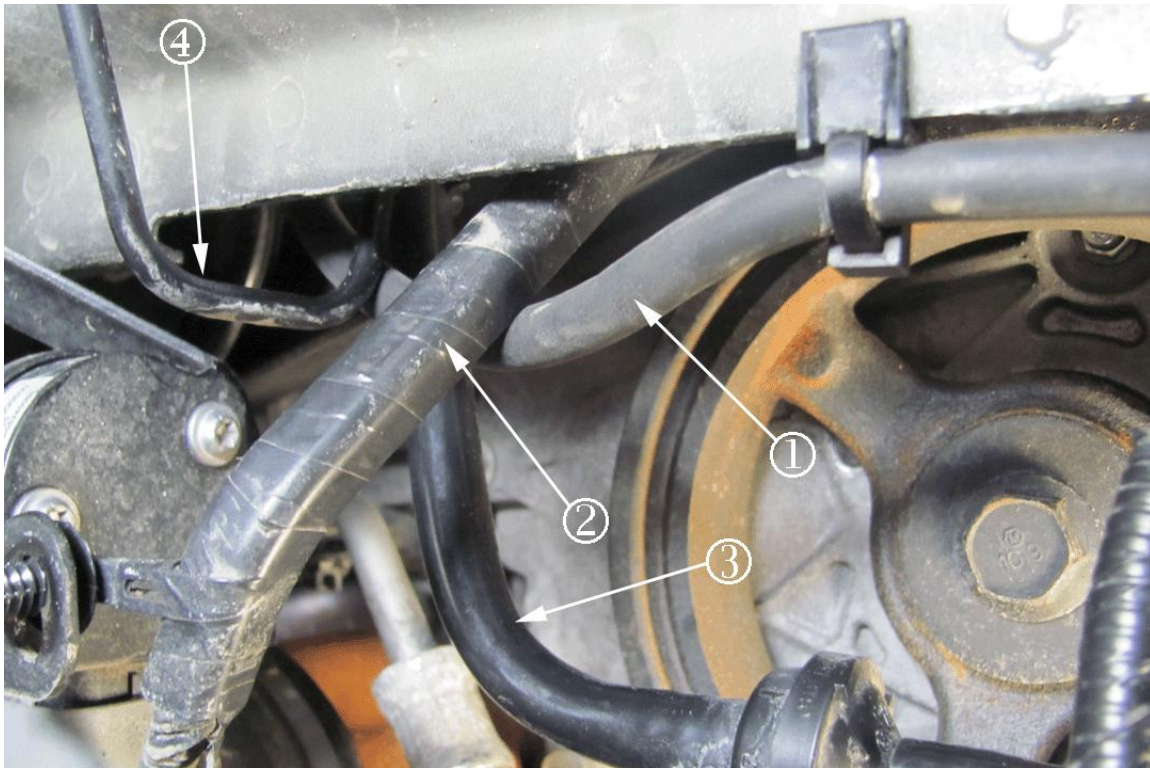




3773721

17. Move the position of the clip on the vent hose 30 mm (1.18 in) toward the power brake booster pump.

18. Attach the clip (5) and the vent hose (1) to the body flange (6).



3773748

19. Route the vent hose (1) to the engine side of the harness conduit (2) and between the brake line (4) and power brake booster pump inlet pipe (3).

20. Continue routing the vent hose up to the frame rail location that the vent hose was originally removed from in step 12.

21. Insert the vent hose into the frame rail hole.



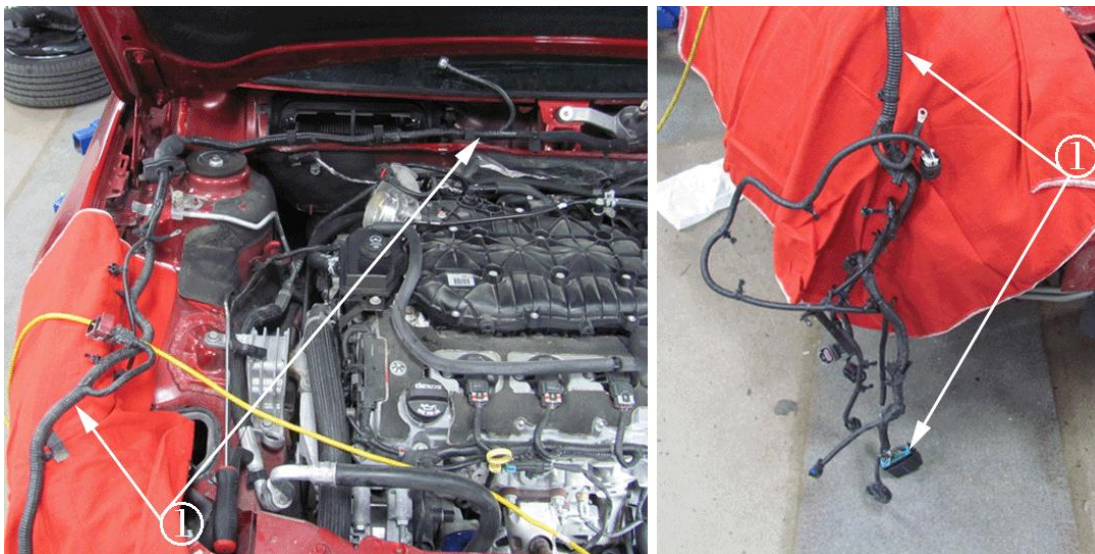
- 22. Attach the power brake booster inlet pipe to the dual pipe/hose clip on the vent hose.
- 23. Install the right front wheelhouse front liner. Refer to *Front Wheelhouse Front Liner Replacement* in SI.
- 24. Lower the vehicle. Refer to *Lifting and Jacking the Vehicle* in SI.

**Forward Lamp Harness and Power Brake Booster Pump Replacement**



3776611

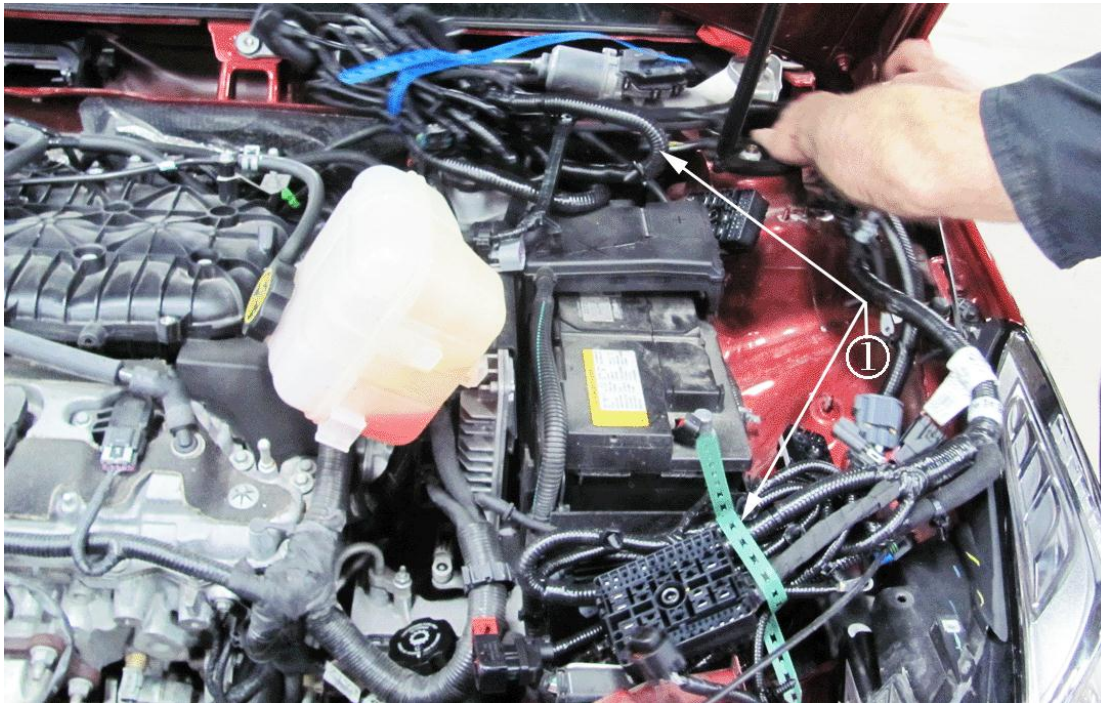
View of the forward lamp harness (1) with the required parts removed from the vehicle. Do NOT begin removing the harness until the required parts have been removed.



3776612

View of forward lamp harness (1) from the passenger side of vehicle with the required parts removed from the vehicle.





3776614

View of forward lamp harness (1) from the driver side of vehicle with the required parts removed from the vehicle. The new forward lamp harness (1) is shown as packaged. Unbundle the forward lamp harness (1) and begin routing the new harness.

**Note:** Refer to the following service procedures in SI to gain access to the forward lamp harness. Removal of these parts is required to remove the production forward lamp harness from the vehicle and install a new forward lamp harness. Use the production forward lamp harness as a guide for installing the new forward lamp harness. Disconnect the production forward lamp harness from one connection point at a time. Install the new forward lamp harness using the production routing and harness mounting locations.

- Front Bumper Fascia Replacement
  - Front Wheelhouse Front Liner Replacement (Driver and Passenger Side)
  - Front Compartment Insulator Replacement
  - Underbody Front Air Deflector Replacement (Left and Right Side)
  - Rocker Panel Air Deflector Replacement - Right Side
  - Rocker Panel Air Deflector Replacement - Left Side
  - Front Compartment Front Sight Shield Replacement
  - Front Bumper Fascia Air Deflector Replacement - Left Side
  - Front Bumper Fascia Air Deflector Replacement - Right Side
  - Air Inlet Grille Panel Replacement
  - Front Compartment Fuse Block Replacement
  - Intake Manifold Cover Replacement
  - Air Cleaner Assembly Replacement
  - Windshield Washer Solvent Container Replacement (Cap end fitting. Do not drain the container.)
  - Radiator Surge Tank Replacement (Leave hose on tank. Do not drain tank. Move the tank to the side.)
1. Remove the forward lamp harness from the vehicle.

2. Install a new forward lamp harness into the vehicle.
3. Remove the power brake booster pump. Refer to *Power Brake Booster Pump Replacement* in SI.
4. Install a new power brake booster pump. Refer to *Power Brake Booster Pump Replacement* in SI
5. Perform steps 7-24 in the *Power Brake Booster Pump Electrical Connector Repair and Vent Hose Routing* section of the bulletin.
6. Start the vehicle and verify that the vehicle lights and accessories work.

### FLOOR PLAN REIMBURSEMENT

Dealers in possession of vehicles included in the Stop Delivery are eligible for reimbursement of floor plan expense upon completion of this recall. This reimbursement is limited to the number of days from the Stop Delivery message to receipt of the recall parts and/or repair procedures. Floor plan reimbursement beyond these dates is not allowed. The amount of reimbursement should be charged as a net amount expense using the recall labor operation provided.

### 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.

### WARRANTY TRANSACTION INFORMATION

Submit a transaction using the table below. All transactions should be submitted as a ZFAT transaction type, unless noted otherwise.

<b>Labor Code</b>	<b>Description</b>	<b>Labor Time</b>	<b>Net Item</b>
9100431	Power Brake Booster Pump Electrical Connector Repair & Vent Hose Routing	0.7	*
9100432	Forward Lamp Harness & Power Brake Booster Pump Replacement	5.5	*
9100433	Floor Plan Reimbursement (inventory vehicles, if applicable)	N/A	**

\* The amount identified in “Net Item” should represent the actual sum total of the current GMCC&A Dealer net price for sealant needed to perform the required repairs, not to exceed \$0.52 USD/CAD, plus applicable Mark-Up or Landed Cost (for Export).

\*\* The amount identified in “Net Item” should represent the product of the vehicle’s average daily interest rate (see table below) multiplied by the actual number of days the vehicle was in dealer inventory and not available for sale. This reimbursement is limited to the number of days from the date of the stop delivery message (March 14, 2014) to the date the repair is completed and the vehicle is ready for sale (not to exceed 8 days):

Vehicle	US Reimbursement Amount	Canadian Reimbursement Amount
2013 Cadillac XTS	\$7.13	\$9.04
2014 Cadillac XTS	\$7.44	\$9.04

CUSTOMER NOTIFICATION – For US and Canada

General Motors will notify customers of this recall on their vehicle.

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.

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

It is a violation of Federal law for a dealer to deliver a new motor vehicle or any new or used item of motor vehicle equipment (including a tire) covered by this notification under a sale or lease until the defect or noncompliance is remedied.

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. 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.

