



Michael A. Berardi  
Director  
Service Engineering Operations  
Ford Customer Service Division

Ford Motor Company  
P. O. Box 1904  
Dearborn, Michigan 48121

October 23, 2008

**TO:** All U.S. Ford and Lincoln Mercury Dealers

**SUBJECT:** Safety Recall 08S05-Supplement #1  
Certain 2005 - 2006 F-150 and Mark LT Vehicles Equipped with 5.4L 3-Valve Engines -  
Brake Booster Vacuum Hose Replacement

**REF :** Safety Recall Bulletin 08S05 dated June 23, 2008

**New! REASON FOR THIS SUPPLEMENT**

*In order to be consistent with the Workshop Manual, the technical instructions have been updated to include the application of threadlock and sealer to the original bolts during the reassembly of the front drive shaft to the front axle flange on 4x4 vehicles.*

**AFFECTED VEHICLES**

- Certain 2005 - 2006 F-150 vehicles equipped with 5.4L 3-valve engines built at the Dearborn Assembly Plant from June 18, 2004 – May 31, 2006, Kansas City Assembly Plant from May 4, 2004 – May 31, 2006, and at the Norfolk Assembly Plant from April 19, 2004 – May 31, 2006.
- Certain 2005 - 2006 Mark LT vehicles equipped with 5.4L 3-valve engines built at the Dearborn Assembly Plant from June 18, 2004 – May 31, 2006.

Affected vehicles are identified in OASIS. In addition, for a list of vehicles assigned to your dealership, visit <https://web.fsavinlists.dealerconnection.com>.

**REASON FOR THIS SAFETY RECALL**

The brake booster vacuum hose attached to the intake manifold fitting on the affected vehicles may swell over time and lose retention force. This condition could allow the hose to detach from the fitting during an engine backfire, resulting in loss of power brake assist and increased brake pedal effort. As a result, stopping distance may increase and potentially result in a crash.

**SERVICE ACTION**

Dealers are to replace the brake booster vacuum hose, which is located between the standpipe and the intake manifold. This service must be performed on affected vehicles at no charge to the vehicle owner. Do not demonstrate or deliver affected vehicles that remain in your new vehicle inventory until this safety recall has been completed.

**OWNER NOTIFICATION MAILING SCHEDULE**

Mailing of owner notification letters began the week of June 23, 2008. Dealers should repair any affected vehicles that arrive at their dealerships, whether or not the customer has received a letter.

**PLEASE NOTE:**

**Federal law requires dealers to complete this recall service before a new vehicle is delivered to the buyer or lessee. Violation of this requirement by a dealer could result in a civil penalty of up to \$6,000 per vehicle. Correct all vehicles in your new vehicle inventory before delivery.**

**ATTACHMENTS**

- Attachment I: Administrative Information
- Attachment II: Labor Allowances and Parts Ordering Information
- Attachment III: Technical Information **New!**
- Customer Notification Letter

**QUESTIONS & ASSISTANCE**

Special Service Support Center (Dealer Only) .....1-800-325-5621

Sincerely,



Michael A. Berardi

**Safety Recall 08S05-Supplement #1**  
Certain 2005 - 2006 F-150 and Mark LT Vehicles Equipped with 5.4L 3-Valve Engines -  
Brake Booster Vacuum Hose Replacement

**OASIS ACTIVATED?**

Yes.

**FSA VIN LIST ACTIVATED?**

Yes, FSA VIN list is available through <https://web.fsavinlists.dealerconnection.com>.

NOTE: Your FSA VIN list may contain owner names and addresses obtained from motor vehicle registration records. The use of such motor vehicle registration data for any purpose other than in connection with this recall is a violation of law in several states, provinces, and countries. Accordingly, you must limit the use of this listing to the follow-up necessary to complete this recall action.

**STOCK VEHICLES**

Correct all affected units in your new vehicle inventory before delivery.

**SOLD VEHICLES**

- Owners of affected vehicles will be directed to dealers for repairs.
- Immediately contact any of your affected owners whose vehicles are not on your VIN lists but are identified in OASIS. Give the owner a copy of the Customer Notification Letter and schedule a service date.
- Correct other affected vehicles identified in OASIS which are brought to your dealership.

**TITLE BRANDED / SALVAGED VEHICLES**

Affected title branded and salvaged vehicles are eligible for this Field Service Action.

**RELATED DAMAGE**

If a related damage condition exists that you believe to be caused by the covered condition, call the Special Service Support Center to request approval **prior** to the repair of any related damage. Requests for approval after completion of the repair will not be granted. Ford Motor Company reserves the right to deny coverage for related damage in cases where the vehicle owner has not had this recall performed on a timely basis.

**ADDITIONAL LABOR TIME**

- If a condition exists that requires additional labor to complete the repair, call the Special Service Support Center to request approval **prior** to performing any additional labor. Requests for approval after completion of the repair will not be granted.
- If you encounter aftermarket equipment or modifications to the vehicle which might prevent the repair of the covered condition, call the Special Service Support Center.

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**OWNER REFUNDS**

- Ford Motor Company is offering a refund for owner-paid repairs covered by this recall if the repair was performed prior to the date indicated in the reimbursement plan, which is posted with this bulletin. This plan is also available to owners through the Customer Relationship Center (CRC). The CRC will direct owners to seek reimbursement through authorized dealers or, at their option, directly through Ford Motor Company at P.O. Box 6251, Dearborn, MI 48121-6251.
- Dealers are also authorized to refund owner-paid emergency repairs that were performed away from an authorized servicing dealer after the end date specified in the reimbursement plan. Non-covered repairs, or those judged by Ford to be excessive, will not be reimbursed.
- Refunds will only be provided for the cost associated with the diagnosis and replacement of the brake booster vacuum hose.
- Multiple refunds should be submitted on one repair line and the invoice details for each repair should be detailed in the comments section of the claim. If a repair is performed on the same visit, the repair and refunds should be submitted on separate repair lines.
- **This safety recall must still be performed, even if the customer has paid for a previous repair. Claiming a refund will not close the recall on the vehicle.**
- Refund Claiming Information (Submit on separate repair line.)
  - Program Code: 08S05
  - Misc. Expense: REFUND
  - Misc. Expense: ADMIN
  - Misc. Expense: 0.2 Hrs.

**RENTAL VEHICLES**

The use of rental vehicles is not authorized for this program.

**CLAIMS PREPARATION AND SUBMISSION**

- Enter claims using Direct Warranty Entry (DWE).
- Related damage must be claimed on a repair line that is separate from the repair line on which the FSA is claimed. Related damage requires prior approval from Special Service Support Center.
- "MT" labor should be submitted on a separate repair line with the related damage flag checked. "MT" labor requires prior approval from Special Service Support Center.
- Refer to ACESII manual for claims preparation and submission information.

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**LABOR ALLOWANCES**

| Description   | Labor Operation | Labor Time |
|---|-----------------|------------|
| <u>TWO WHEEL DRIVE VEHICLES</u> : Replace brake booster vacuum hose.  | 08S05B          | 0.6 Hour   |
| <u>FOUR WHEEL DRIVE VEHICLES</u> : Replace brake booster vacuum hose. (Includes time to disconnect the driveshaft from the front axle.) | 08S05C          | 0.7 Hour   |

**PARTS REQUIREMENTS / ORDERING INFORMATION**

Parts will not be direct shipped for this program. Order your parts requirements through normal order processing channels.

| Part Number  | Description               | Quantity           |
|--------------|---------------------------|--------------------|
| 6L3Z-9W431-A | Brake Booster Vacuum Hose | 1 hose per vehicle |

Questions regarding parts should be directed to the Special Service Support Center (800-325-5621) or E-mailed to: [Ford@Renkim.com](mailto:Ford@Renkim.com).

**DEALER PRICE**

For latest prices, refer to DOES II.

**EXCESS STOCK RETURN**

Excess stock returned for credit must have been purchased from Ford Customer Service Division in accordance with Policy Procedure Bulletin 4000.

## CERTAIN 2005-2006 F-150 AND MARK LT VEHICLES EQUIPPED WITH 5.4L 3-VALVE ENGINES — BRAKE BOOSTER VACUUM HOSE REPLACEMENT

### OVERVIEW

This program involves replacing the brake booster vacuum hose at the rear of the engine intake manifold.

### SERVICE PROCEDURE

#### Brake Booster Vacuum Hose Removal

1. Lift the vehicle.
2. **4x4 only**, index mark the front driveshaft. Remove the 4 front driveshaft bolts and position the front driveshaft aside. See Figure 1.

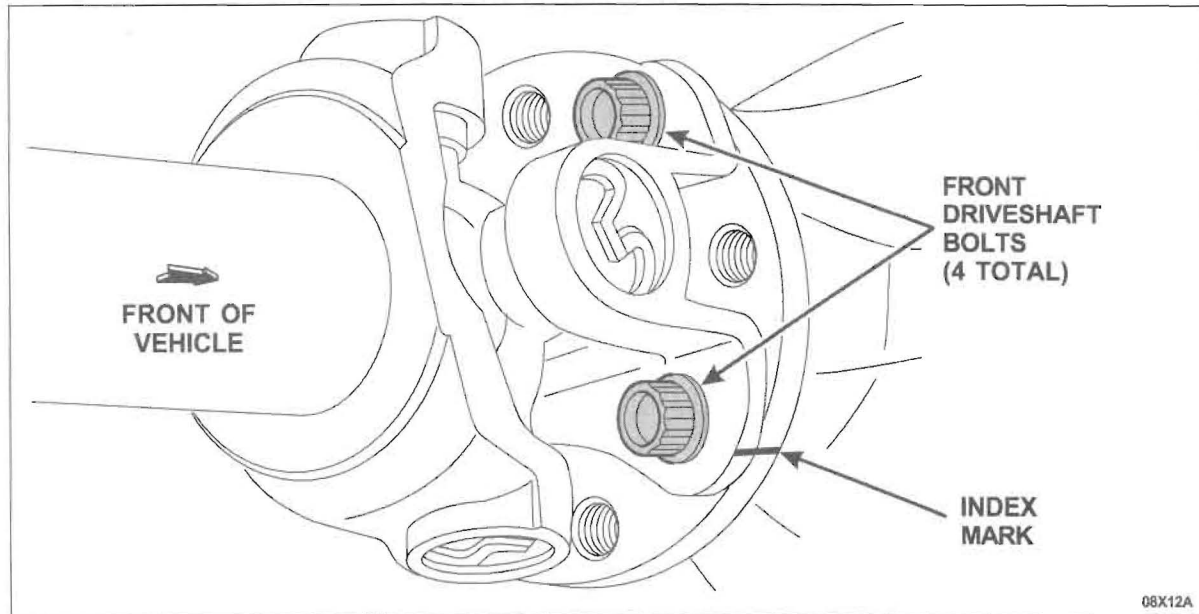


FIGURE 1



3. Remove the 2 shifter cable bracket bolts and disconnect the shifter cable and position the bracket aside. See Figure 2.

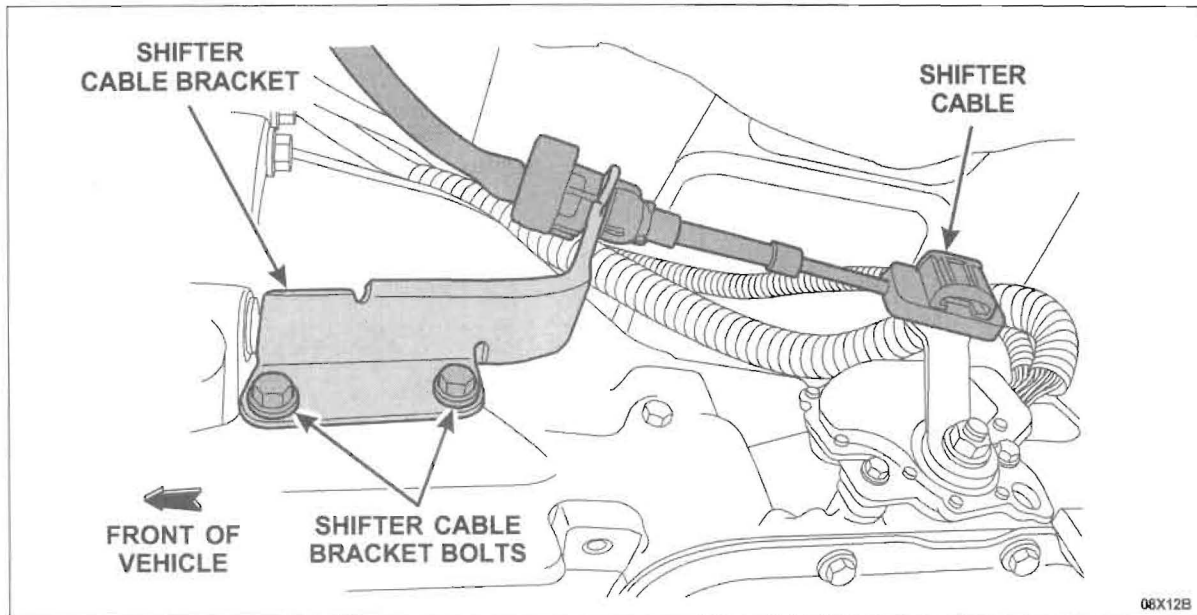


FIGURE 2

NOTE: Leave the transmission electrical harness clipped to the fuel line bracket.

4. Unclip the fuel lines from the fuel line bracket and remove the fuel line bracket bolt from the transmission bell housing. See Figure 3.

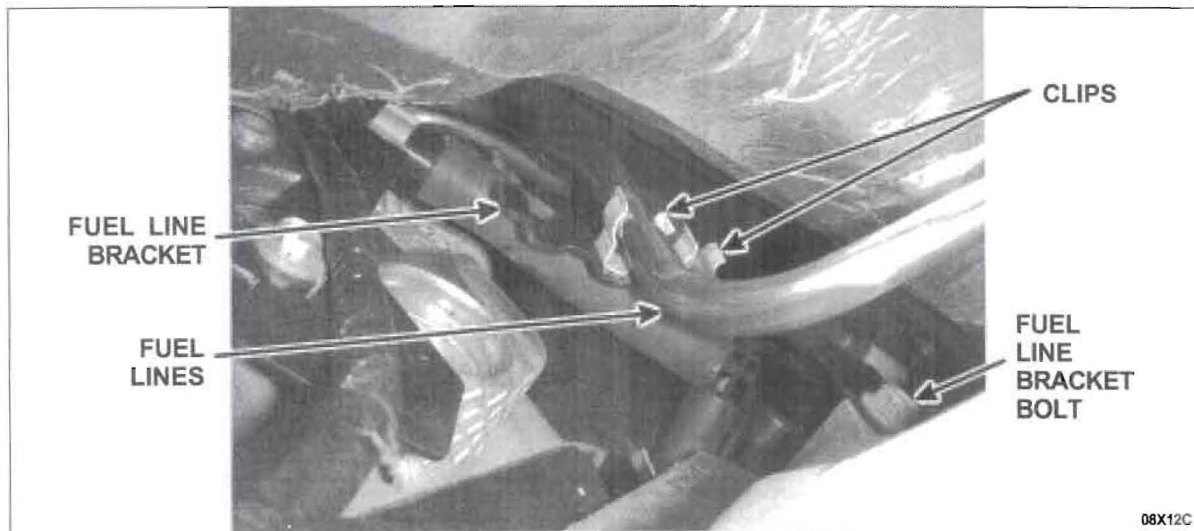


FIGURE 3



5. If present, disconnect the oxygen sensor wire harness retainer. See Figure 4.

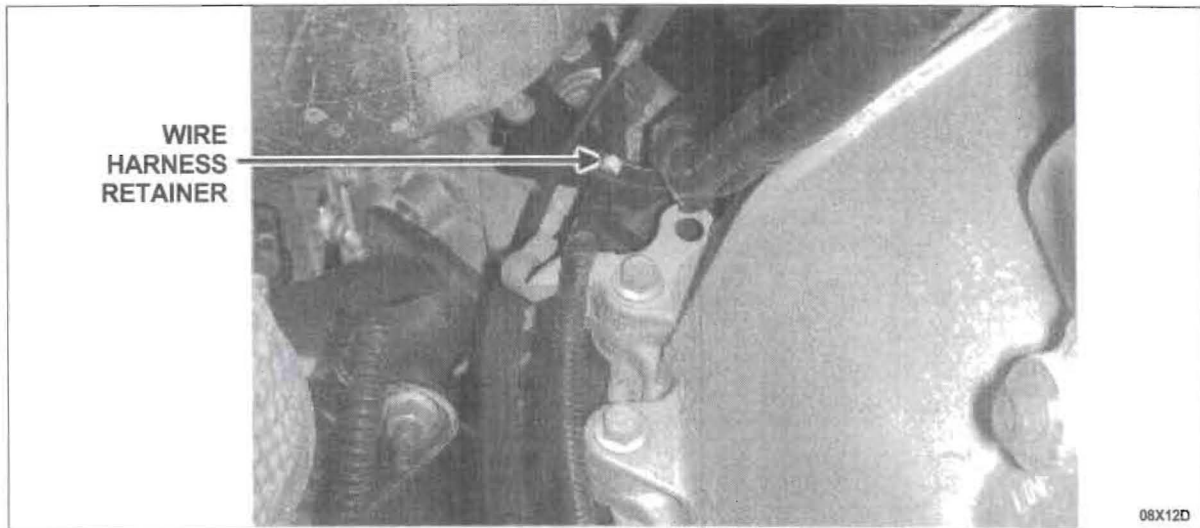


FIGURE 4

6. To improve access to the brake booster vacuum hose, position the fuel lines and transmission wiring harness on top of the transmission. Hold the fuel lines in the raised position by using a block of wood or equivalent. See Figure 5.

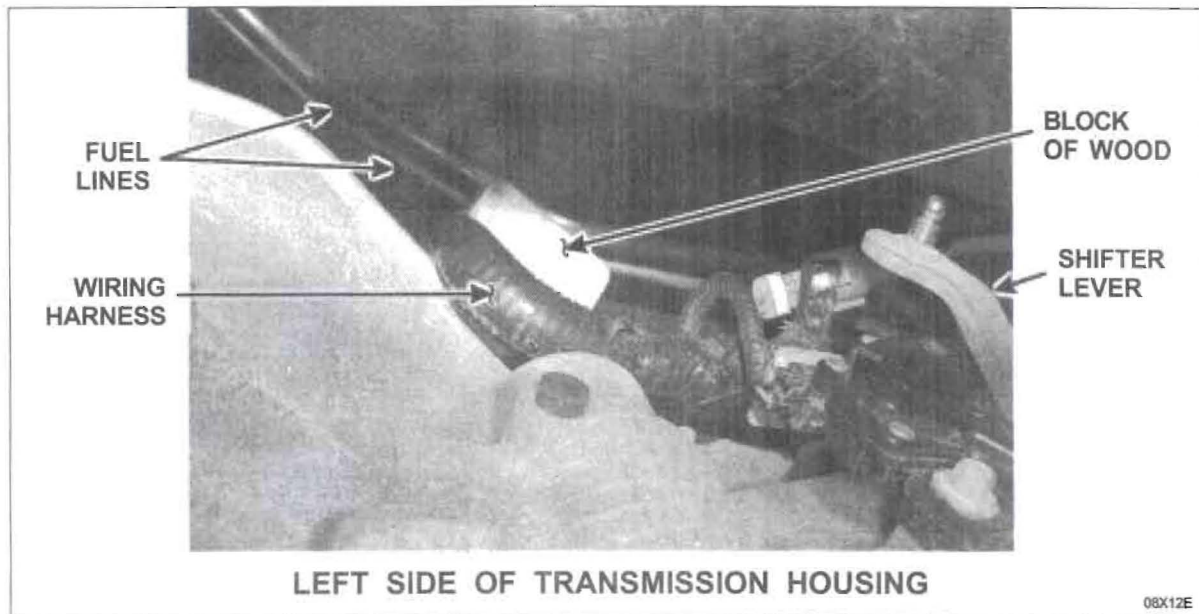


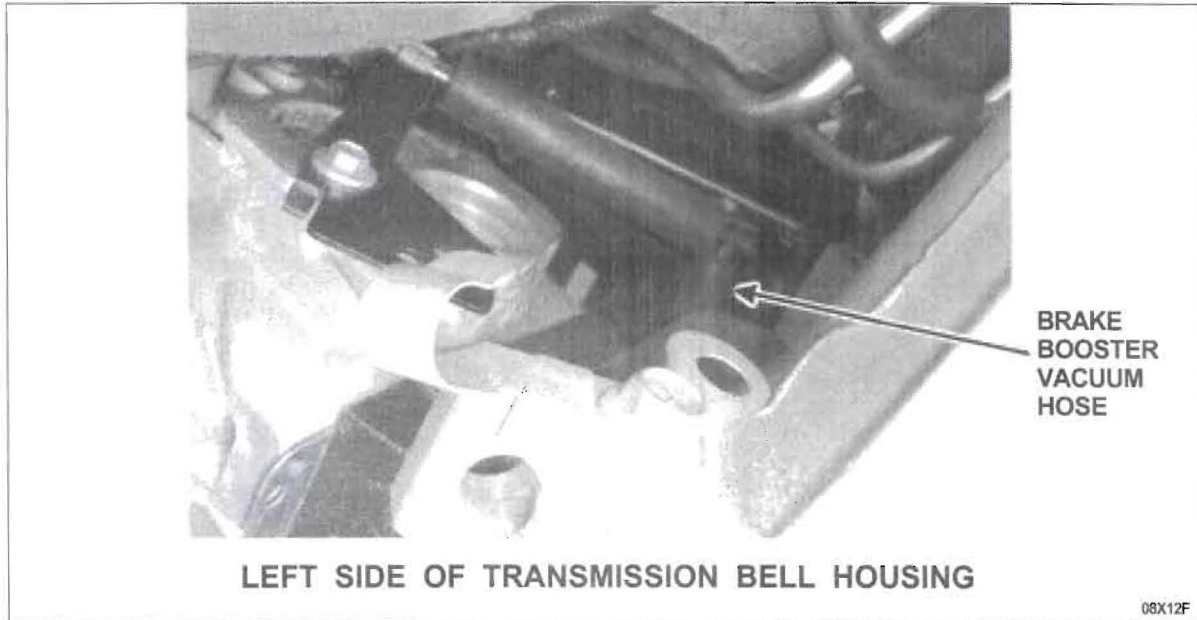
FIGURE 5





**CAUTION:** To avoid breaking the intake manifold fitting, do not use a pry bar to remove the short end of the brake booster vacuum hose from the intake manifold. See Figure 6. A pry bar may be used to remove the long end of the brake booster vacuum hose that is attached to the brake booster vacuum stand-pipe. See Figure 7.

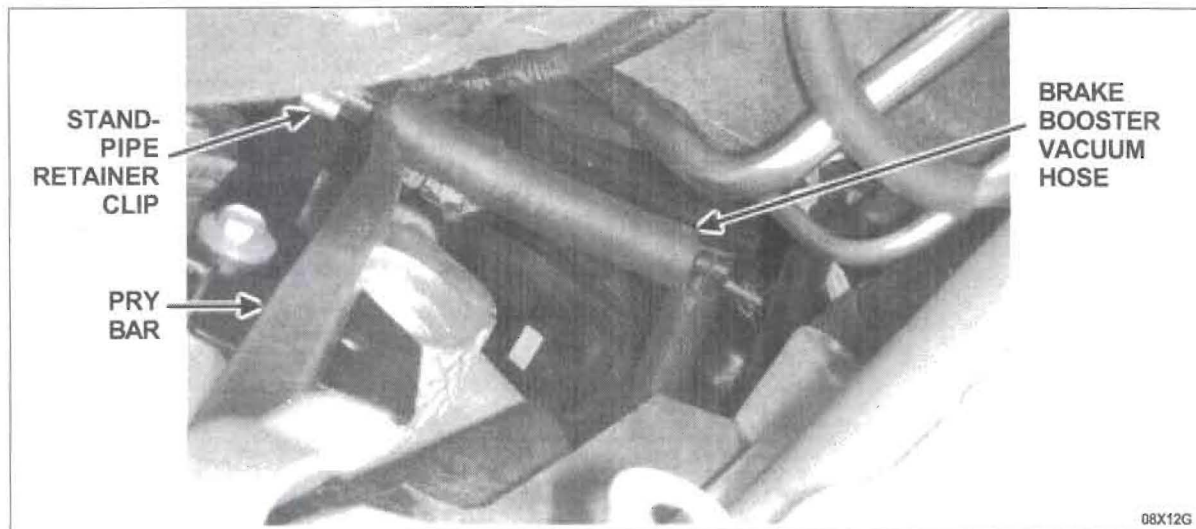
7. Remove the brake booster vacuum hose from the intake manifold. See Figure 6.



**FIGURE 6**

8. Using a pry bar or other suitable tool, pry the brake booster vacuum hose off the brake booster vacuum stand-pipe. See Figure 7.

**NOTE:** Make sure that the brake booster vacuum stand-pipe remains clipped into the retainer during removal of the brake booster vacuum hose.



**FIGURE 7**



### Brake Booster Vacuum Hose Installation

1. Make sure that the brake booster vacuum stand-pipe remains clipped into the retainer during installation of the brake booster vacuum hose. See Figure 8.

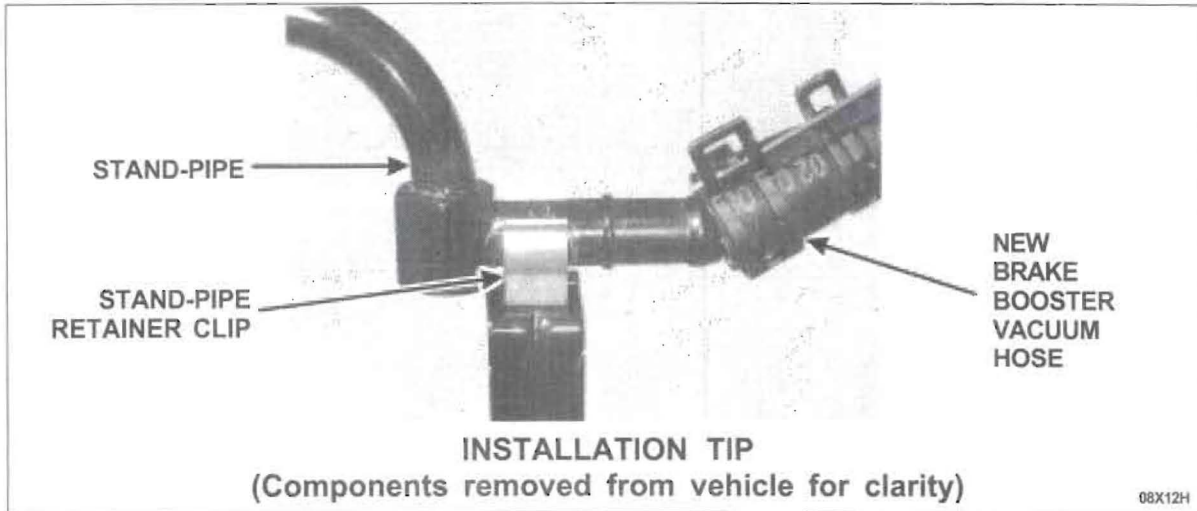


FIGURE 8

NOTE: Water is the only approved hose lubricant. **Do not use any other lubricants such as silicone or soap.**

2. Install the long end of the brake booster vacuum hose onto the stand-pipe.  
**INSTALLATION TIP:** When installing the *new* brake booster vacuum hose, position the hose at an angle to the stand-pipe fitting. Then, slowly twist the hose assembly as you push it onto the stand-pipe fitting. See figure 8.
3. Install the short end of the brake booster vacuum hose on the intake manifold vacuum nipple and release the hose clamps. See Figure 9.

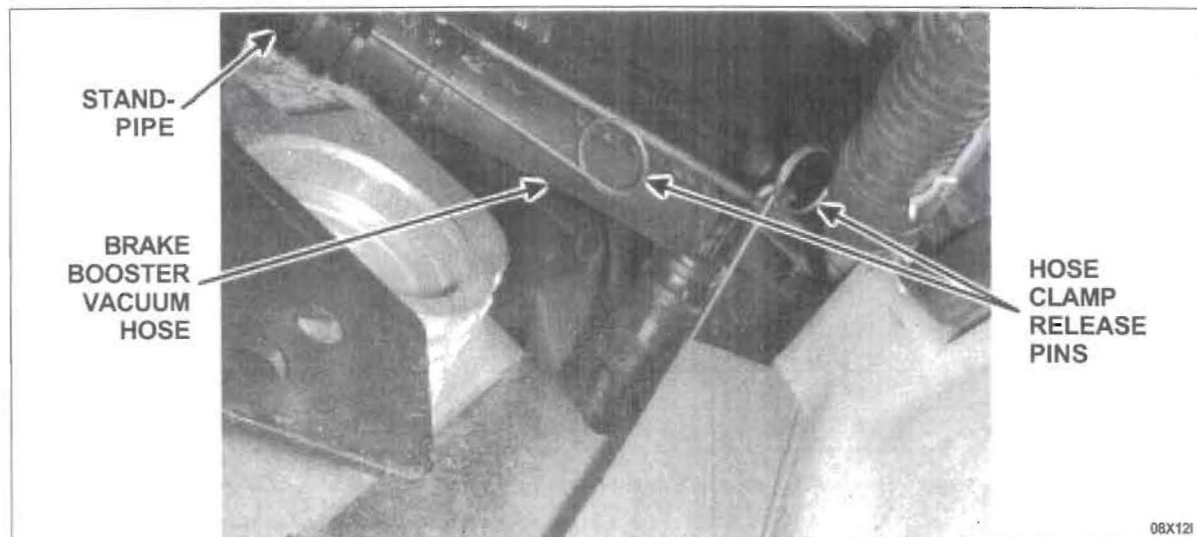


FIGURE 9



4. Remove the block of wood and reposition the wiring harness and fuel lines.
5. Install the fuel line bracket and transmission bell housing bolt. Torque the bolt to 48 Nm. See Figure 3.
6. If present, attach the oxygen sensor wire harness retainer. See Figure 4.
7. Align the fuel lines to the fuel line bracket retainers and engage the fuel lines into the bracket clips. See Figure 3.
8. Position and install the 2 shifter cable bolts and attach the cable. Torque the bolts to 25 Nm. See Figure 2.

**NEW**

NOTE: Coat the threads of the original driveshaft bolts with blue Threadlock and Sealer TA-25 (specification WSK-M2G351-A5).

9. **4x4 only**, align the driveshaft index marks and install the 4 front driveshaft bolts. Torque the bolts to 103 Nm. See Figure 1.

