



SI B34 04 13
Brakes

March 2013
Technical Service

PERFORM THE PROCEDURE OUTLINED IN THIS SERVICE INFORMATION ON ALL AFFECTED VEHICLES BEFORE CUSTOMER DELIVERY OR THE NEXT TIME THEY ARE IN THE SHOP FOR MAINTENANCE OR REPAIRS.

BMW centers must ensure recalls are completed after having been notified by BMW of North America, LLC (BMWNA) that a safety-related defect or noncompliance exists in any motor vehicle or item of replacement equipment in the center's possession at the time of notification. In BMW NA's case, this notification would typically be made by the issuance of a recall notification in the form of a Service Information bulletin (SIB) or transmission of a Dealer Communication System (DCS) recall message.

Under the National Traffic and Motor Vehicle Safety Act of 1966, as amended, if a recall campaign is announced by BMW NA, centers must ensure that all recalls on new vehicles and new items of replacement equipment are completed BEFORE delivery to the consumer. This means that centers may not legally deliver new motor vehicles or new items of replacement equipment to consumers with an open recall.

The Safety Act also prohibits centers from selling or leasing the motor vehicle or item of replacement equipment, unless and until the open recall has been completed BEFORE delivery. This also pertains to vehicles in the Certified Pre-Owned program, and to items of replacement equipment.

Finally, BMW centers should not sell or use parts that have been recalled by BMW NA. Please follow the specific instructions provided by BMW NA on the return or disposition of the parts.

SUBJECT

Recall Campaign 13V-045: Inspect Brake Booster Vacuum Supply Line

MODEL

E70 with N62TU engine

SITUATION

Engine oil may enter the brake booster vacuum supply line via the brake vacuum pump and contaminate the brake booster, which may result in damage to the membrane. In such cases, the membrane can develop leaks which could lead to reduced or no brake power assistance. It is then still possible to slow and stop the vehicle by applying greater force on the brake pedal.

AFFECTED VEHICLES

This Recall Campaign involves the E70 (X5) with the N62TU engine produced from September 2006 to March 2010.

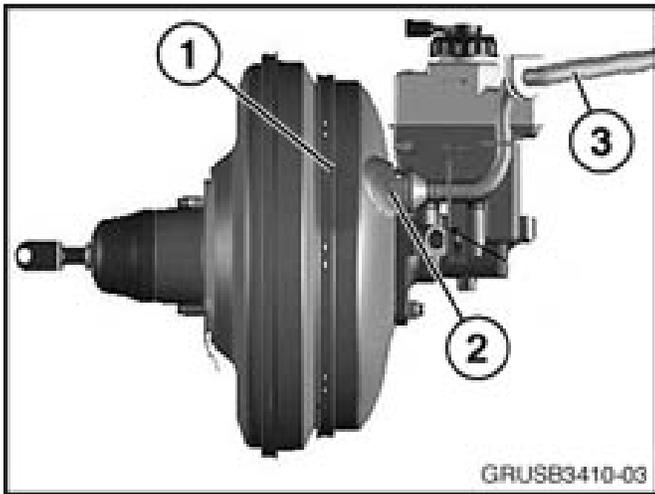
In order to determine whether a specific vehicle has had this Recall Campaign completed or is affected by this Recall Campaign, first check the B-pillar label for code number **642**. If code number **642** has been punched out, the campaign has already been performed. If code number **642** has not been punched out, it will be necessary to utilize the "Service Menu" of DCSnet (Dealer Communication System) or the Key Reader. Based on the response of the system, either proceed with the corrective action or take no further action.

CORRECTION

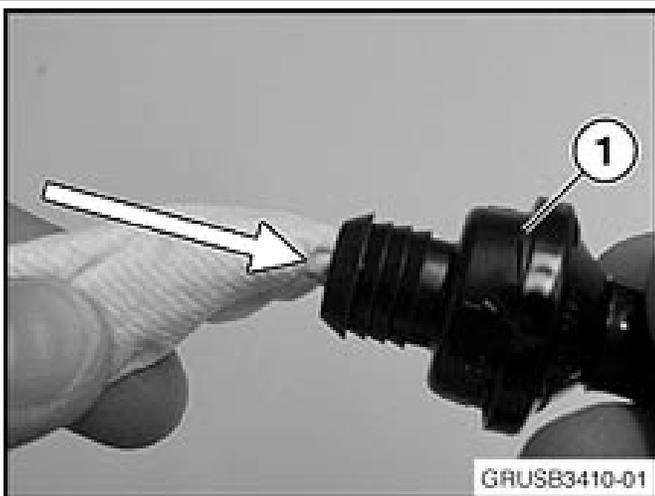
The updated brake booster vacuum supply line with a fluid check valve is to be installed in all applicable vehicles

to eliminate future contamination. If oil contamination is found during the inspection, the brake master cylinder and brake booster must be replaced as well.

PROCEDURE

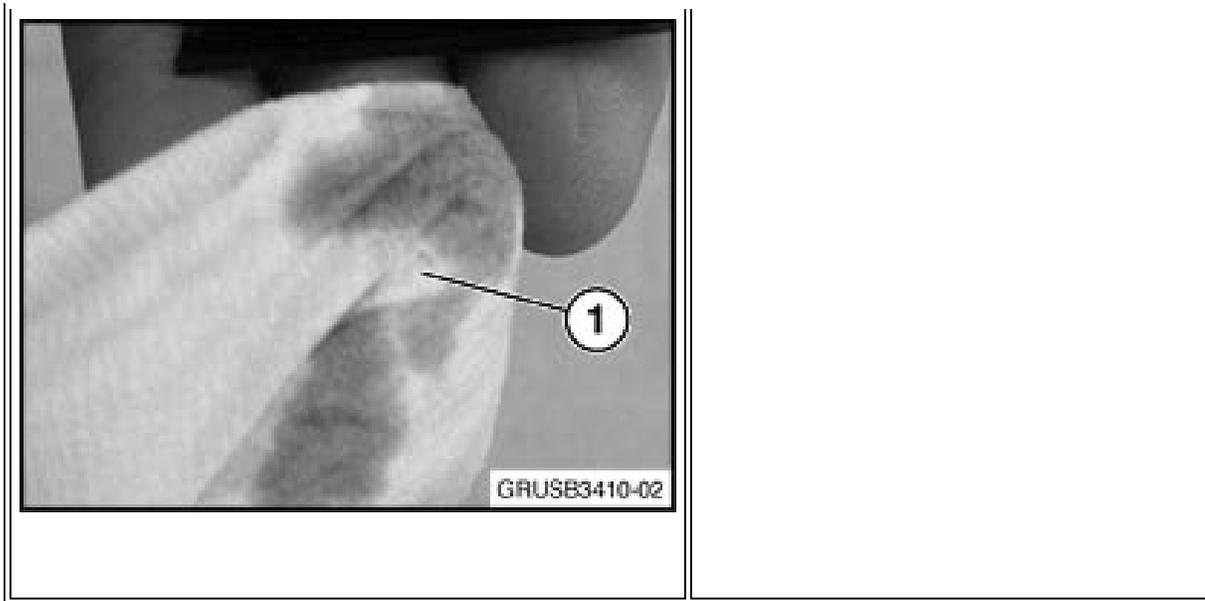


1. Remove the brake booster vacuum supply line/pipe (3) together with the non-return valve (2) from the brake booster (1).



2. Check the brake booster vacuum supply line/pipe at the non-return valve upstream from the brake booster for oil contamination. Insert a tightly rolled-up corner of a non-reusable lint-free white shop towel (see arrow) into the non-return valve (2). If the towel does not indicate any engine oil residue, proceed to step 4.

3. If the non-return connection exhibits contamination with engine oil, proceed to step 5.



4. Replace the following components only if oil contamination is **NOT** found. Refer to the applicable parts list.

- Vacuum supply lines/pipes; clamp.
- Seal for brake booster
- Intake manifold gaskets

Refer to Repair Instruction 11 66 000, “Removing and installing vacuum pump (vacuum line/pipe and clamp installation)” and 11 61 050 “Removing and installing intake plenum/manifold.” The vacuum supply lines/pipes are routed under the intake manifold.

5. Replace the following components only if oil contamination is found. Refer to the applicable parts list.

- Brake master cylinder and o-ring

Refer to Repair Instruction REP 34 31 505, “Removing and installing or replacing brake master cylinder.”

- Brake servo unit; brake booster seal/gasket and circlip

Refer to Repair Instruction REP 34 33 505, “Removing and installing or replacing brake booster.”

- Vacuum supply lines/pipes; clamp and seal for brake booster

Refer to Repair Instruction REP 11 66 000, “Removing and installing vacuum pump (vacuum line/pipe and clamp installation)” and 11 61 050 “Removing and installing intake plenum/manifold.” The vacuum supply lines/pipes are routed under the intake manifold.

PARTS INFORMATION

Use the parts described below only if oil contamination is NOT found during the inspection, as directed in step 4.

| Part Number | Description | Quantity |
|-----------------|------------------------|----------|
| 11 15 1 726 339 | Vacuum line/pipe clamp | 1 |
| 11 66 7 551 594 | Vacuum line/pipe | 1 |
| 11 66 7 629 612 | Vacuum line/pipe | 1 |
| 34 33 1 158 929 | Seal for brake booster | 1 |
| 11 61 7 537 999 | Intake manifold seals | 8 |

Use the parts described below only if oil contamination is found during the inspection, as directed in step 5.

| Part Number | Description | Quantity |
|-----------------|---|----------|
| 11 15 1 726 339 | Vacuum line/pipe clamp | 1 |
| 11 66 7 551 594 | Vacuum line/pipe | 1 |
| 11 66 7 629 612 | Vacuum line/pipe | 1 |
| | | |
| 34 33 6 751 977 | Brake booster seal/gasket | 1 |
| 34 33 6 791 410 | Brake booster | 1 |
| 34 33 6 772 930 | Brake master cylinder (o-ring included) | 1 |
| 07 12 9 904 567 | Circlip | 1 |
| 11 61 7 537 999 | Intake manifold seals | 8 |

IMPORTANT:

Prior to the brake booster installation, make sure that all transportation packaging materials (e.g., yellow foam securing the push-rod inside the booster cavity) are removed.

LABEL INSTRUCTIONS

| | |
|--|--|
| | <p>This Recall Campaign has been assigned code number 642. After the vehicle has been checked and/or corrected, obtain a label (SD 92-380) and:</p> <ol style="list-style-type: none"> Emboss your BMW center warranty number in the middle of the label (1); Punch out code number 642 (2), printed on the label; and Affix the label to the B-pillar as shown. |
|--|--|

If the vehicle already has a label from a previous Service Action/Recall Campaign, affix the new label next to the

old one. Do not affix one label on top of another one, because a number from an underlying label could appear in the punched-out hole of the new label.

WARRANTY INFORMATION

The repair described in this bulletin is covered under warranty regardless of time or mileage.

Reimbursement for this Recall will be via normal claim entry utilizing the following information:

The updated “brake booster supply line with a fluid check valve” only became available with the release of this Recall, SI B34 04 13.

If a prior repair was performed to address the issue outlined in this Service Information bulletin, the applicable Recall repair procedure must still be performed.

| | | |
|-------------------------|--|---|
| Defect Code: | 00 34 08 02 00 | |
| | | |
| Labor Operation: | Labor Allowance: | Description: |
| 00 61 028 | Refer to KSD2 | Check and replace the vacuum supply line only |
| | | |
| or | | |
| | | |
| Labor Operation: | Labor Allowance: | Description: |
| 00 61 029 | Refer to KSD2 | Check and replace the vacuum supply line, replace the brake booster and replace the brake master cylinder |
| and | | |
| Sublet Code 4 | See sublet reimbursement calculation below | Reimbursement for replacing the drained quantity of brake fluid (BMW P/N 81 22 0 142 156, up to a qty. of 3, 12oz containers. Do not use this part number for claim submission) |

Labor operation code 00 61 028 and 00 61 029 are Main labor operations.

Sublet calculation: P/N 81 22 0 142 156 (up to a qty. of 3, 12oz containers) at dealer net plus handling. Enter this material cost in sublet and itemize the amount in the claim comment section.

Prior Customer Pay Repairs

A. If a previous repair was performed (vehicle in the workshop)

Please follow the procedure below when an applicable vehicle is in your workshop for this Recall repair:

1. Review and verify the repair performed on the customer pay invoice (BMW center or other); issue a reimbursement to the customer for the previous repair to correct the issue described in this Service Information bulletin.
2. Proceed and perform the recall repair that applies in the bulletin.
3. Submit the prior customer pay repair expense, along with the applicable Recall repair procedure, under **Defect Code 00 34 08 22 00** as follows:

| | | |
|---------------|---------------|--|
| Sublet Code 3 | Dollar Amount | Reimbursement for allowable expenses related to the previous customer pay repair |
|---------------|---------------|--|

Retain the “original” customer pay invoice (BMW center or other) in your files; this documentation may be requested by BMW during the claim review process.

B. The vehicle is not presented for repair, but the prior customer pay invoice is presented.

If your center is **only** presented with a customer pay invoice for a previous repair to address the issue outlined in this bulletin:

1. Scan and save a copy of the “original” customer pay invoice (BMW center or other) to a file.

Retain the “original” customer pay invoice (BMW center or other) in your files.

2. Submit a VIN-specific email to Warranties.special.request@bmwna.com with “item 1 file” as an attachment.
3. Warranties will confirm receipt by return email.
4. Proceed and submit a claim for the prior customer pay repair expense as follows:

Use the current repair order date and a valid vehicle mileage.

| | | |
|--------------------|-----------------------|--|
| Defect Code | 85 99 00 12 NA | TREAD Act: Prior Repair Reimbursement |
| Sublet Code 3 | Dollar Amount | Reimbursement for allowable expenses related to the previous customer pay repair |

5. BMW will review the claim and supporting documentation.
6. If the claim is approved, the claim credit will be issued through DCSnet.
7. Your center can now issue a reimbursement to the customer for the previous repair.

This claim submission will not close the “Open” Safety Recall, since the vehicle was not available for inspection/repair.

ATTACHMENTS

View PDF attachment [B340413 Customer Letter](#).

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