



RECEIVED

Recall Campaign Bulletin

2006 JUL 24 P 1:23

Reference: STB06-006	Date: May 12, 2006
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VOLUNTARY SAFETY RECALL CAMPAIGN 2005-2006 SALEEN S281 FRONT BRAKE HOSES

Campaign ID (NHTSA #): 06V-146

Applied Vehicles: 2005-2006 Saleen S281 (with 14" or 15" brake upgrade)

Applied Serial Numbers: Refer to the Serial Number List starting on page 10

INTRODUCTION

Saleen, Inc. has decided that a defect which relates to motor vehicle safety exists in certain 2005 and 2006 S281 vehicles with upgraded Saleen brake systems. These vehicles have front stainless steel braided brake hoses which may fail, resulting in loss of brake fluid and a potential crash. The Service Procedure portion of this bulletin provides instruction on how to replace both front brake hoses.

IDENTIFICATION NUMBER

This campaign is identified by 06V-146. This number must appear on all communications and documentation associated with this campaign.

NUMBER OF VEHICLES POTENTIALLY AFFECTED

The number of vehicles potentially affected is 851.

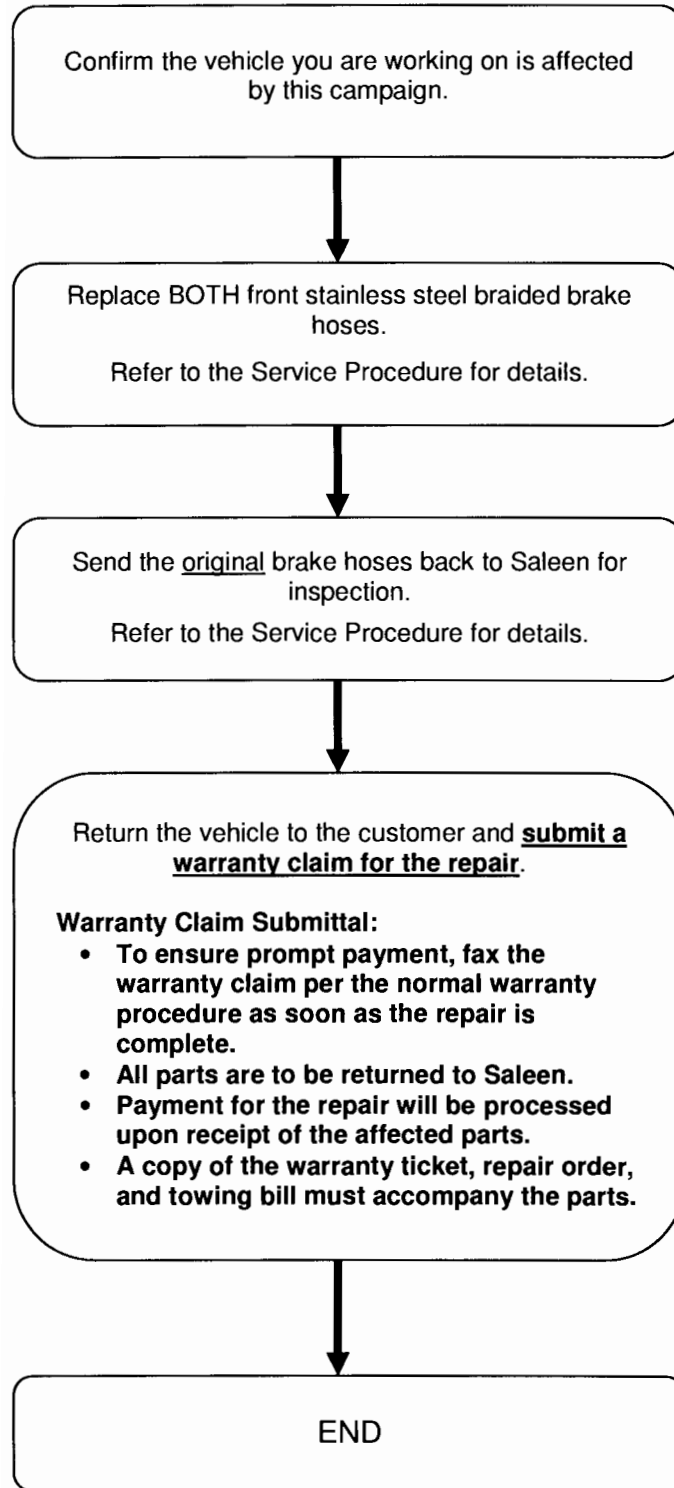
DEALER RESPONSIBILITY

It is the dealer's responsibility to inspect and repair each vehicle affected by this voluntary safety recall which for any reason enters the service department. This includes vehicles purchased from private parties or presented by transient (tourist) owners and vehicles that are in the dealer's inventory. **Federal law mandates that new vehicles in dealer inventory that are affected by a safety recall must be repaired prior to delivery under a sale or lease. Failure to do this can result in civil penalties by the National Highway Traffic Safety Administration.** While federal law applies only to new vehicles, Saleen strongly encourages dealers to repair any used vehicles in dealer inventory prior to being retailed.

SPECIAL CUSTOMER ASSISTANCE FEATURE

In the Owner's Letter, Saleen instructs the customer to contact the Saleen Customer Service toll free number so we can coordinate towing arrangements and the service repair appointment with the nearest authorized Saleen dealer or nearest Ford dealer. The servicing dealer can submit a claim for towing. Refer to "Additional Expense" on page 9 for information related to the submission of a towing claim.

REPAIR FLOW



REQUIRED TOOLS

- 1/2" impact gun
- 13/16 deep socket, 1/2" drive
- 3/8" drive ratchet
- 15mm socket, 3/8" drive
- 10mm socket (3/8" drive)
- Small flat head screw driver
- Needle nose pliers or side cutters
- 13mm flare-nut wrench
- 17mm wrench (backup wrench)
- Torque Wrench (3/8" drive)
- Torque Wrench (1/2" drive)

REQUIRED PARTS

- Brake Hose Update Kit (see Parts Information on page 9)

SERVICE PROCEDURE

NOTE: The following procedure shows you how to replace the passenger side front brake hose. You will perform this same procedure on the driver's side front brake hose (indicated later in this procedure).

Parts Removal

1. Raise the vehicle on a hoist.
2. Remove both front wheels/tires.
3. Remove the front brake hose from the vehicle.
 - Collect brake fluid and dispose of it properly.
 - Cut off the tie wraps that secure the hose to the strut tab and ABS harness.
4. Set the original brake hose aside for now. You will be instructed to send both brake hoses back to Saleen for inspection later in this procedure.

New Brake Hose Installation

5. Install two crush washers and the bolt on the banjo-fitting-end of the brake hose (see Figure 1).

NOTE: Make sure the flat side of the crush washer is placed against the banjo fitting.

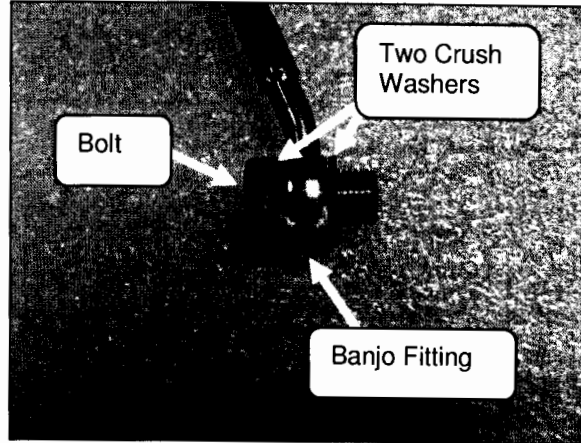


Figure 1

6. Before performing the next step, make sure the banjo fitting sealing surface on the caliper is clean, dry, and smooth (free of any burrs).

7. Hand tighten the banjo-fitting-end of the brake hose to the brake caliper making sure the brake hose points towards the support tab on the strut (see Figures 2 and 4).

- The brake hose banjo fitting will be tightened later in this procedure (step 11).

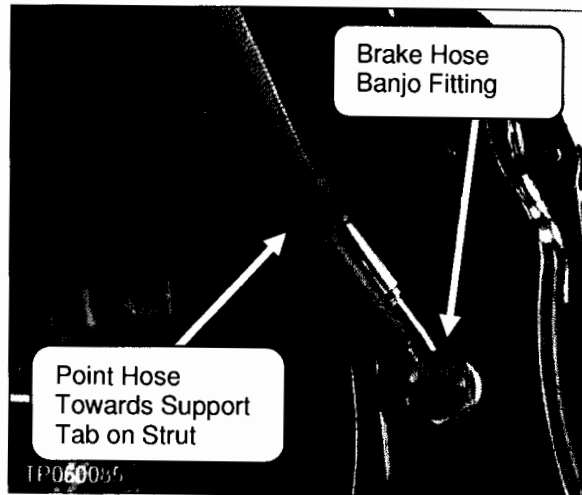


Figure 2

8. Confirm the brake hose banjo fitting has two crush washers installed on it and the angled end of the hose assembly is pointed away from the caliper (see Figure 3).

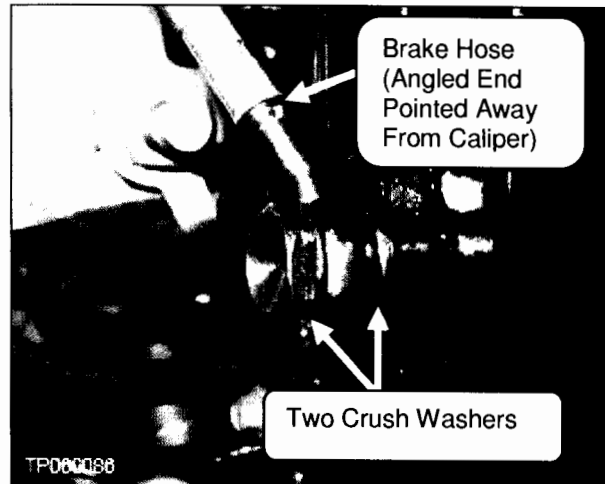


Figure 3

9. Secure the brake hose support to the tab on the strut with the provided 10mm bolt, making sure the hose support is installed on the front side of the strut tab (see Figure 4).

NOTE: When performing this step on the driver's side, make sure the brake hose support is installed on the back side of the strut tab.

- Add red Loctite #262 and tighten the bolt to **10 ft-lbs**
- Make sure all slack in the brake hose is positioned between the strut tab and the frame rail.

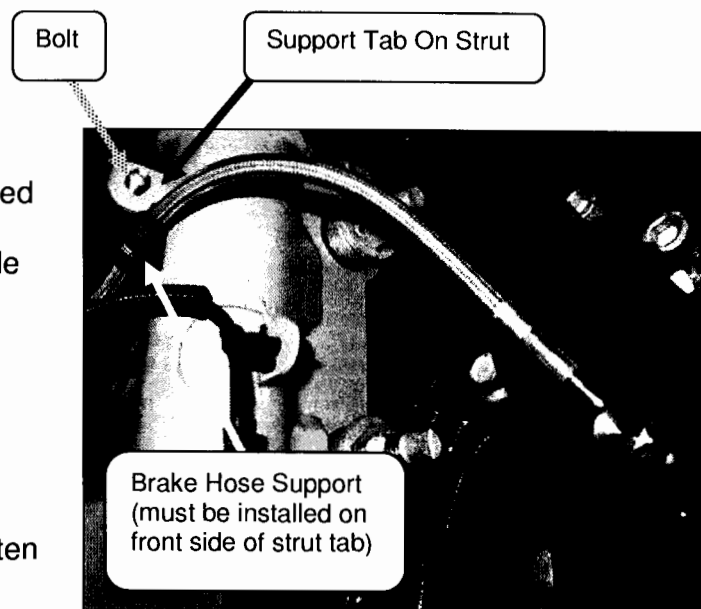


Figure 4

10. Tighten the brake hose to the brake hard line on the frame rail, making sure you use a backup wrench (see Figure 5) and that there is proper thread engagement/alignment.

NOTE: When tightening, make sure you hold the brake hose stationary while turning the nut on the brake line.

- Tighten hose/line fitting to **13 ft-lbs**

11. Tighten the banjo bolt on the caliper to **14 ft-lbs**.

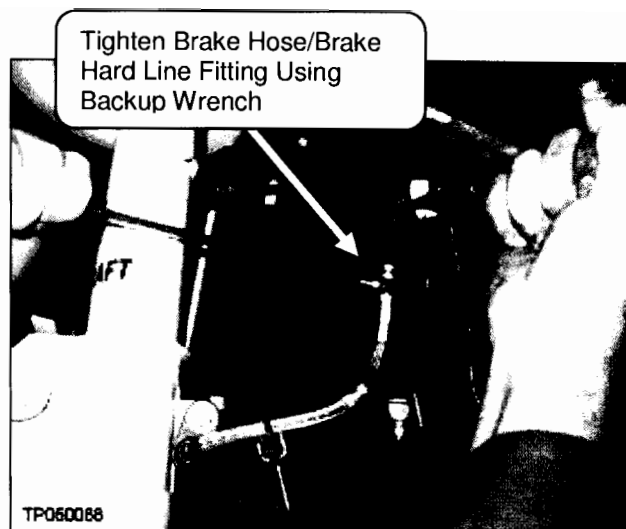


Figure 5

12. Secure the ABS harness to the brake hose using the two provided tie wrap supports (see Figure 6). Clip off the excess tie wrap material.

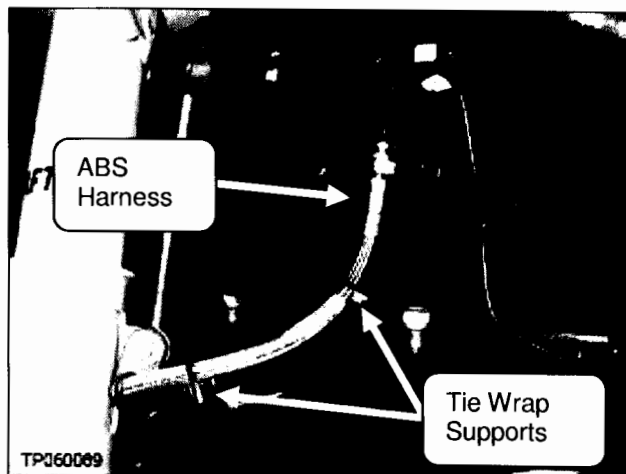


Figure 6

13. Secure the brake hose/hard line to the vehicle frame rail with the provided rubber padded support clamp and bolt (see Figure 7).
14. Manually turn the steering lock to lock and confirm the brake line does not bind, kink, or contact any surrounding components. Adjust as needed.
15. Perform the above procedure on the driver's side of the vehicle.

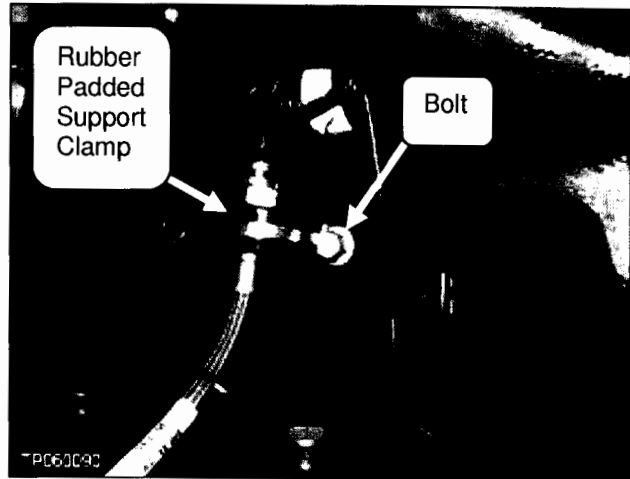


Figure 7

16. Bleed the brake system (see Figure 8).
 - Make sure you wipe off any residual brake fluid before re-installing the bleeder valve rubber caps.
 - Tighten bleeder screws to **100 – 140 in-lbs**
17. Pump the brakes 5 to 10 times and verify there are no leaks at the brake hose/brake line connection, the bleed ports, and the banjo fitting.

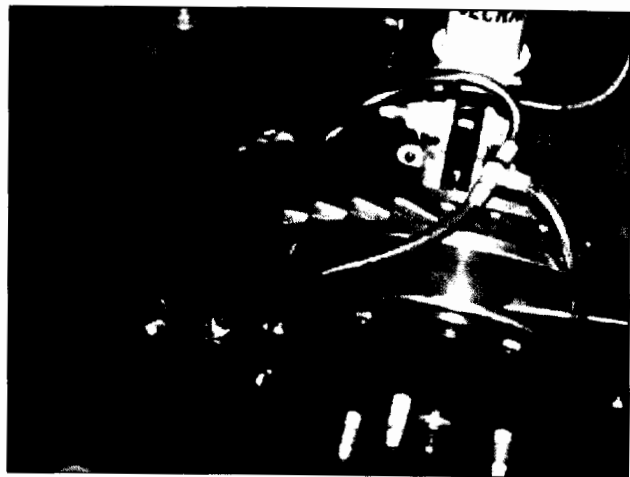


Figure 8

18. Confirm the following items are properly tightened:

- Front brake caliper mounting bracket bolts tightened to **76 ft-lbs**
- Front brake caliper mounting nuts tightened to **40 ft-lbs**
- 5mm allen bolts on brake caliper tightened to **8 – 10 ft-lbs**

19. Re-install the wheels/tires and tighten the lug bolts to **100 ft-lbs**.

20. Test drive the vehicle and re-inspect all replaced components.

21. Send both original brake hoses back to Saleen for inspection.

NOTES:

- Make sure you include a copy of the applicable warranty claim with each set of returned brake hoses.
- If you choose, you can collect multiple sets of brake hoses before you send them back to Saleen.

Shipping Information:

Saleen Inc.
76 Fairbanks
Irvine, CA 92618

Attention: Warranty Department

PARTS INFORMATION

DESCRIPTION	PART NUMBER	QUANTITY
Brake Hose Update Kit	10-2605-B14196*	1

CLAIMS INFORMATION

DESCRIPTION	WARRANTY CODE (To Be Included on Warranty Claim)	FRT
Replace BOTH Front Brake Hoses	BK0406	1.0 hr

Warranty Claim Submittal:

- To ensure prompt payment, fax the warranty claim per the normal warranty procedure as soon as the repair is complete.
- All parts are to be returned to Saleen.
- Payment for the repair will be processed upon receipt of the affected parts.
- A copy of the warranty ticket, repair order, and towing bill must accompany the parts.

ADDITIONAL EXPENSE

DESCRIPTION	EXPENSE CODE	MAXIMUM TOWING AMOUNT
Towing	50055-01-10-10-0000	\$100.00

NOTE: Write the expense code and towing amount on the warranty claim. Also, make sure you include a copy of the towing bill with the warranty claim.

Serial Number List

05-0010	05-0649	05-0835	05-1024	05-1178	05-1297
05-0011	05-0650	05-0836	05-1025	05-1179	05-1298
05-0014	05-0651	05-0839	05-1026	05-1184	05-1299
05-0022	05-0652	05-0840	05-1027	05-1186	05-1300
05-0032	05-0653	05-0842	05-1031	05-1187	05-1301
05-0037	05-0655	05-0844	05-1033	05-1188	05-1303
05-0075	05-0656	05-0845	05-1034	05-1189	05-1304
05-0116	05-0657	05-0846	05-1035	05-1190	05-1305
05-0122	05-0658	05-0847	05-1036	05-1192	05-1306
05-0165	05-0659	05-0851	05-1040	05-1195	05-1308
05-0206	05-0660	05-0852	05-1041	05-1196	05-1310
05-0212	05-0661	05-0853	05-1042	05-1198	05-1311
05-0219	05-0662	05-0855	05-1043	05-1199	05-1314
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05-0646	05-0834	05-1023	05-1177	05-1296	05-1384

Serial Number List (Cont'd)

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05-1404	06-0201	06-0274	06-0350	06-0426	06-0510
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06-0021E	06-0215	06-0296	06-0369	06-0453	06-0532
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06-0026E	06-0223	06-0306	06-0376	06-0459	06-0540
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Serial Number List (Cont'd)

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06-0690	06-0791	06-0885	06-0973	06-1138
06-0691	06-0792	06-0886	06-0976	06-1139
06-0692	06-0794	06-0887	06-0977	06-1144
06-0695	06-0798	06-0888	06-0981	06-1146
06-0696	06-0802	06-0889	06-0982	06-1152

OWNER'S LETTER

Dear Saleen Owner,

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

REASON FOR THIS RECALL

Saleen, Inc. has decided that a defect which relates to motor vehicle safety exists in certain 2005 and 2006 S281 vehicles with upgraded Saleen brake systems. These vehicles have front stainless steel braided brake hoses which may fail, resulting in loss of brake fluid and a potential crash.

WHAT WE WILL DO

Saleen Inc. will replace the front stainless steel braided brake hoses free of charge.

WHAT YOU SHOULD DO

Please contact the Saleen Customer Service toll free number 1-800-888-8945 as soon as possible. When we receive your call, we will arrange to have your vehicle towed (flat bed) to the nearest Saleen authorized dealer or nearest Ford dealer so it can be repaired. Repair instructions and replacement parts will be sent to the servicing dealer. The repair will take approximately one hour to complete. However, additional time may be required depending on how dealer appointments are scheduled and processed. Take this Owner's Letter with you at the time of your appointment and present it to the dealer's service department. This letter identifies the vehicle and the repair that is required.

If you have any problem obtaining the needed repair, please contact the Saleen Customer Service toll free number: 1-800-888-8945. A Saleen representative will assist you in arranging prompt attention to your vehicle.

If your dealer fails or is unable to repair the vehicle without charge and within a reasonable time, you may submit a written complaint to:

Administrator
National Highway Traffic Safety Administration
400 Seventh Street, SW
Washington, DC 20590

As an alternative, you may register a complaint to the National Highway Traffic Safety Administration by telephone toll free at 1-888-327-4236 (TTY: 1-800-424-9153); or via the internet at <http://www.safercar.gov>.

Federal law requires that any vehicle lessor receiving this recall notice must forward a copy of this notice to the lessee within ten days.

If you paid to have the vehicle repaired prior to having this campaign performed, you may be eligible for re-imbusement. Contact Saleen Customer Service toll free at 1-800-888-8945 for re-imbusement details. Make sure you have the repair receipt available before calling.

We are extremely concerned about your safety and we are indeed sorry for any inconvenience this action may cause you. Thank you for your immediate attention to this important matter.

Saleen, Inc.
