



Brake Line Replacement Instructions, 2005-09 Saleen 14-inch Brake Kit For S281/Mustang

Saleen Part Number: 10-8002-C14274A



Welcome to the front brake lines installation instructions for the 2005-09 Saleen 14-inch brake kit. Inside you will find the complete procedure for removing the current brake lines and replacing them with new lines and hardware. Please read the instructions thoroughly and follow them exactly. If you are missing or lose any hardware, or if you have any questions about the brake lines replacement, please stop the installation and call Saleen at 800-888-894 and request technical assistance.



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

DESCRIPTION	PART NUMBER	QUANTITY
Clamp Loop Steel Cushioned -116	00-9005-C14195*	2
Cable Tie Nylon Notchless 5.5	00-9007-C14179*	4
Line Brake Upgrade Assy 2006 (Each Assembly Includes 1 Brake Line, 1 Banjo Bolt, And 2 Copper Crush Washers)	06-2605-C14162A	2
Spacer Brake/Abs Line	06-2605-C14194A	4
BOLT TO CHASSIS (16MM LONG)	00-9001-C14366*	2
BOLT TO STRUT (20MM LONG)	00-9001-C14367*	2

NOTE: YOU WILL NEED TO PAY SPECIAL ATTENTION TO THE BOLTS USED IN SECURING THE BRAKE LINES. THE 20MM LONG BOLTS USED TO SECURE THE BRAKE LINE TO THE STRUT AND THE BOLTS USED TO SECURE THE LINE TO THE CHASSIS LOOK SIMILAR AT A GLANCE BUT THEY ARE DIFFERENT LENGTHS AND ARE FUNCTIONALLY VERY DIFFERENT BOLTS. THE LONGER BOLT MUST BE USED ON THE STRUT TAB.



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.

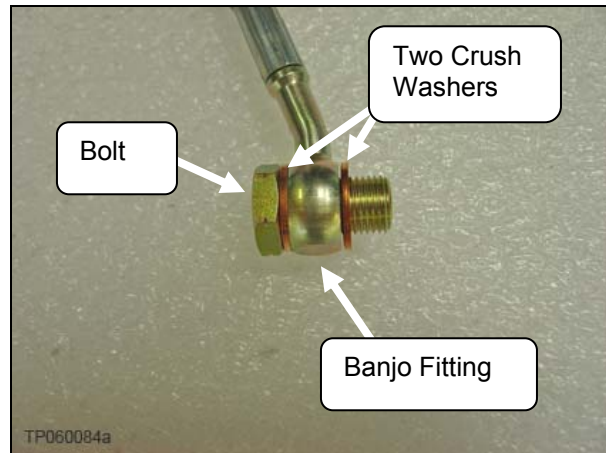


Figure 1

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

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).

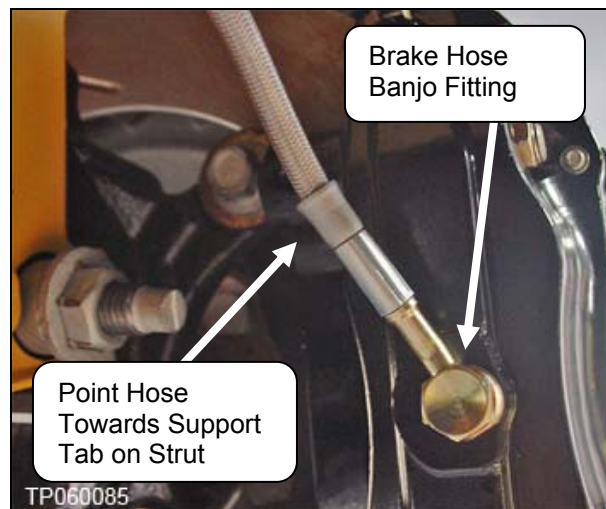


Figure 2

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).

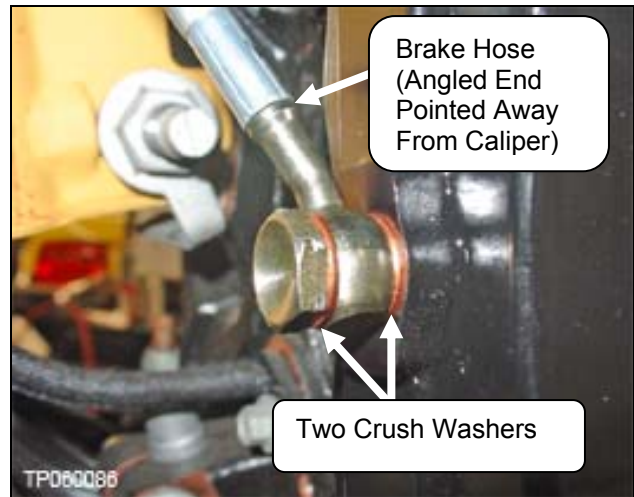


Figure 3

9. **PAY SPECIAL ATTENTION TO WHICH BOLT IS USED IN WHICH LOCATION.** Secure the brake hose support to the tab on the strut with the provided M8X1.25X**20MM** bolt (it is the longer of the two types of provided bolts, shown in Figure 4), making sure the hose support is installed on the front side of the strut tab (see Figure 5).

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.

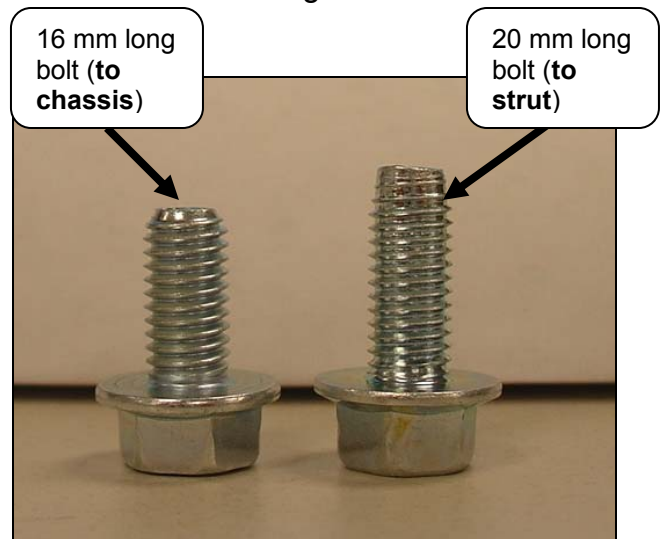


Figure 4

- 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.

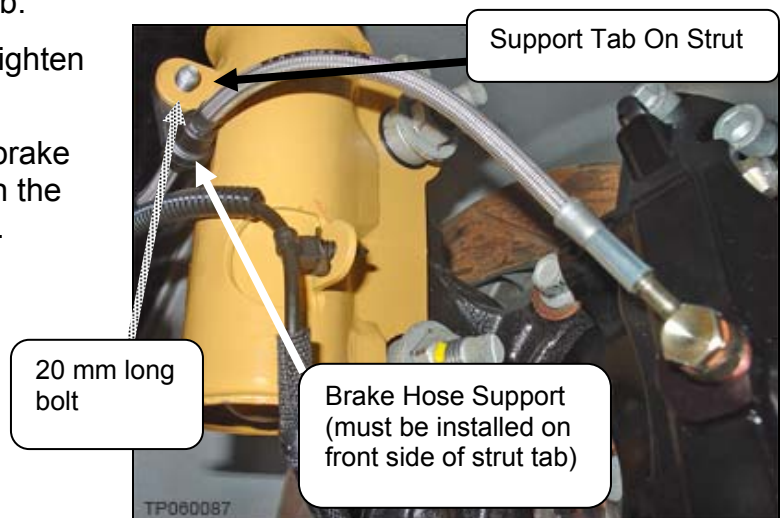


Figure 5



10. Tighten the brake hose to the brake hard line on the frame rail, making sure you use a backup wrench (see Figure 6) 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 6

12. Secure the ABS harness to the brake hose using the two provided tie wrap supports (see Figure 7). Clip off the excess tie wrap material.

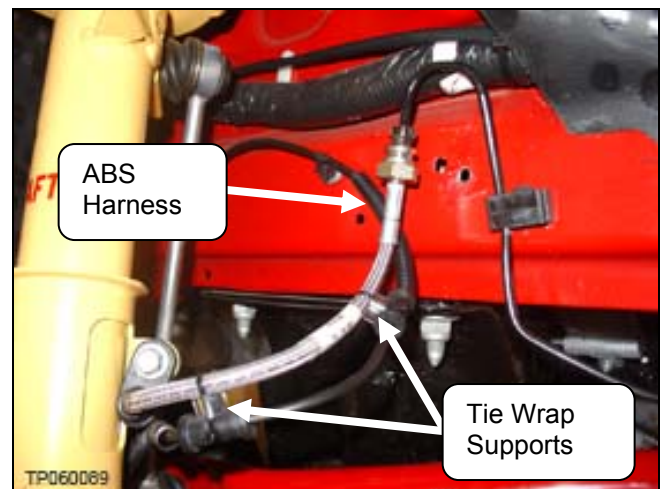


Figure 7

13. Secure the brake hose/hard line to the vehicle frame rail with the provided rubber padded support clamp and 16mm long bolt (see Figures 4 & 8).
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.

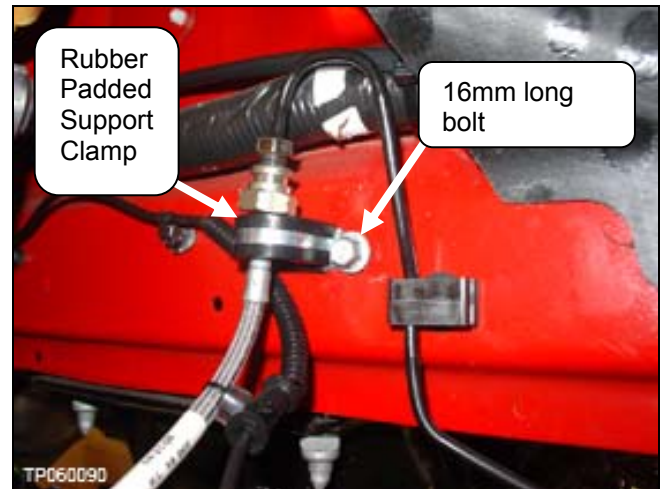


Figure 8

16. Bleed the brake system (see Figure 9).
 - 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 9



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 warranty claim for 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.
1225 East Maple Rd.
Troy, MI 48083
Attention: Warranty Department