



December 2010

Dealer Service Instructions for:

## **Safety Recall K13**

### **Front Inner Fender Liners**

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#### **Models**

**2007-2010 (JK) Jeep® Wrangler**

*NOTE: This recall applies only to the above Left Hand Drive (LHD) vehicles built through August 09, 2009 (MDH 080923) and Right Hand Drive (RHD) built through April 22, 2010 (MDH 042223).*

**IMPORTANT: Some of the involved vehicles may be in dealer used vehicle inventory. Dealers should complete this recall service on these vehicles before retail delivery.** Dealers should also perform this recall on vehicles in for service. Involved vehicles can be determined by using the VIP inquiry process.

#### **Subject**

The front inner fender liners on about 283,900 of the above vehicles may detach or sag allowing the fender liner to contact one or more brake tubes. Continuous fender liner contact with the brake tube(s) could result in a hydraulic leak and reduced braking performance. The loss of braking performance could cause a crash without warning.

#### **Repair**

The front inner fender liners must be trimmed to provide adequate clearance to the brake tubes and certain fender liner fasteners must be replaced. Also, the brake tubes in the affected areas must be inspected for damage and replaced if necessary.

<b>Alternate Transportation</b>
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Dealers should attempt to minimize customer inconvenience by placing the owner in a loaner vehicle if inspection determines that brake tube replacement is required and the vehicle must be held overnight.

<b>Parts Information</b>
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<u>Part Number</u>	<u>Description</u>
<b>CATCK134AA</b>	<b>Inner Fender Liner Retaining Nut Package</b>

Each package contains the following components:

<u>Quantity</u>	<u>Description</u>
2	Nut, Inner Fender Liner Retainer

**Each dealer** to whom vehicles in the recall were assigned will receive enough Inner Fender Liner Retaining Nut Packages to service about 20% of those vehicles.

**NOTE: All replacement brake tubes for left hand drive vehicles listed below are a two-piece design to simplify installation. The original brake tube is a one-piece design.**

<u>Part Number</u>	<u>Description</u>
<b>CATCK131AA</b>	<b>Tube, Right Front Wheel (Left Hand Drive)</b>

Each package contains the following components:

<u>Quantity</u>	<u>Description</u>
1	Tube, Wheel End
1	Tube, Hydraulic Control Unit End
1	Clip, Brake Tube Retaining
1	Strap, Brake Tube Retaining

**Parts Information (Continued)**

<u>Part Number</u>	<u>Description</u>
<b>CAMCK132AA</b>	<b>Tube, Left Rear Wheel Brake (Two-Door Models / Left Hand Drive)</b>

Each package contains the following components:

<u>Quantity</u>	<u>Description</u>
1	Tube, Wheel End
1	Tube, Hydraulic Control Unit End

<u>Part Number</u>	<u>Description</u>
<b>CARCK133AA</b>	<b>Tube, Left Rear Wheel Brake (Four-Door Models / Left Hand Drive)</b>

Each package contains the following components:

<u>Quantity</u>	<u>Description</u>
1	Tube, Wheel End
1	Tube, Hydraulic Control Unit End

<u>Part Number</u>	<u>Description</u>
<b>CATCK135AA</b>	<b>Fender Liner Installation Fasteners Package</b>

Each package contains the following components:

<u>Quantity</u>	<u>Description</u>
6	Rivet, Fender Liner Retaining
6	Fastener, Push Pin

**NOTE: This package is required to install the left front fender liner after brake tube(s) replacement has been completed.**

**Parts Information (Continued)**

<u>Part Number</u>	<u>Description</u>
CABCK136AA	Tube, Right Front Wheel (Right Hand Drive)
<u>Part Number</u>	<u>Description</u>
CAACK137AA	Tube, Left Rear Wheel (2007 – 2009 Two-Door Models / Right Hand Drive)
<u>Part Number</u>	<u>Description</u>
CABCK138AA	Tube, Left Rear Wheel (2007 – 2009 Four-Door Models / Right Hand Drive)
<u>Part Number</u>	<u>Description</u>
CAA0K13BAA	Tube, Left Rear Wheel (2010 Two-Door Models / Right Hand Drive)
<u>Part Number</u>	<u>Description</u>
CAA0K13CAA	Tube, Left Rear Wheel (2010 Four-Door Models / Right Hand Drive)

**Special Tools**

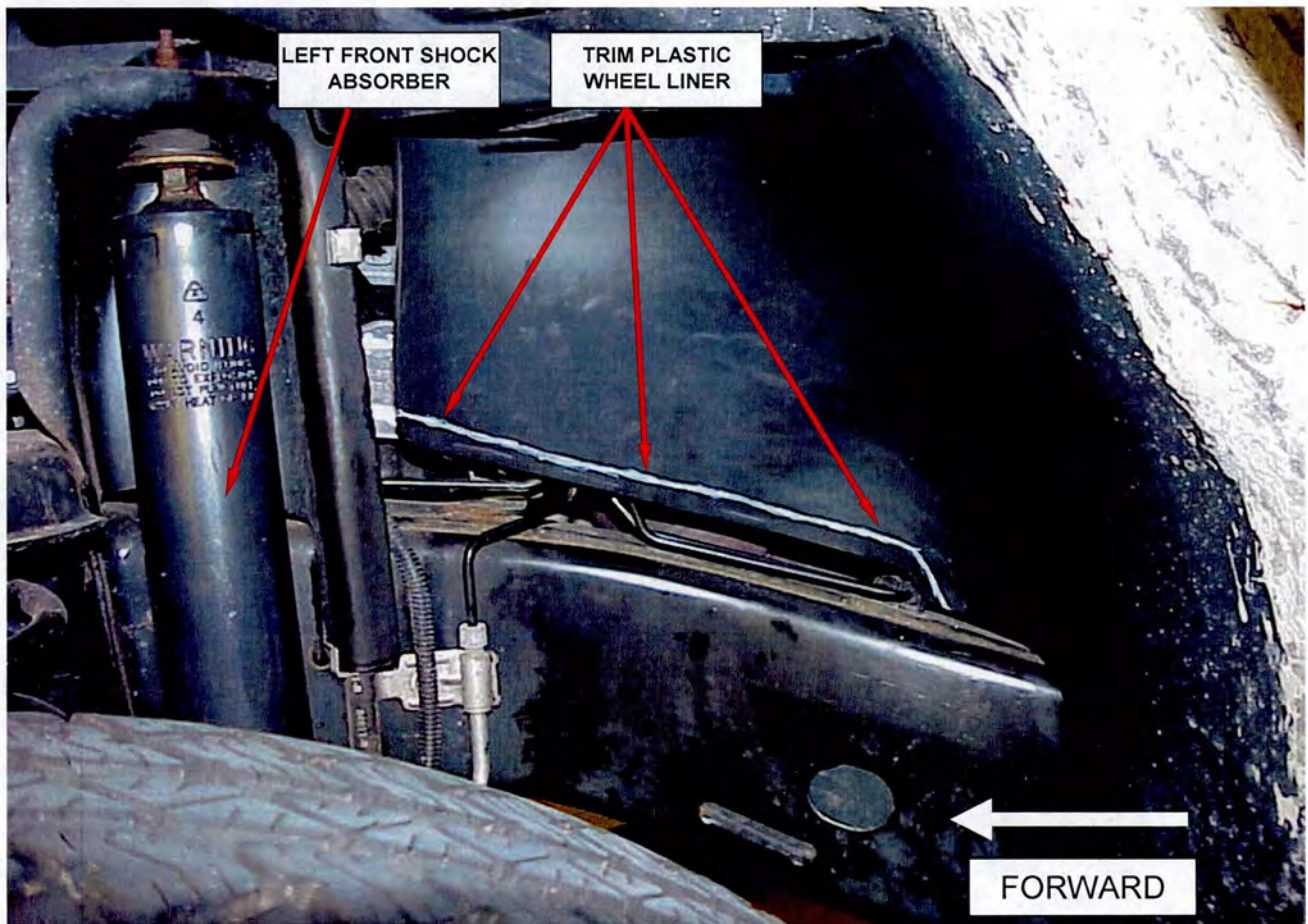
No special tools are required to perform this service procedure.



**Service Procedure**

**A. Plastic Wheel Liner Modification and Brake Tube Inspection**

1. Lift the vehicle on a frame contact hoist.
2. Mark the left front wheel opening plastic wheel liner as shown in Figure 1. The line drawn should be about 5/8 inch (16 mm) up from the bottom edge of the shield.
3. Cut the left front wheel opening plastic wheel liner along the line made in Step 2 (Figure 1).



**Figure 1 – Trim Left Wheel Opening Plastic Wheel Liner**



**Service Procedure (Continued)**

4. Clean the left rear brake tube and inspect the black coating, at the area shown in Figure 2, for damage:
  - If the black coating on the left rear brake tube has no damage, continue with Step 5.
  - If the black coating on the left rear brake tube is scuffed but no bare metal is showing the brake tube is good. Continue with Step 5.
  - If the black coating on the left rear brake tube has been damaged and bare metal is visible, replace the left rear brake tube. Continue with Step 5 to complete the inspection before replacing the left rear brake tube.

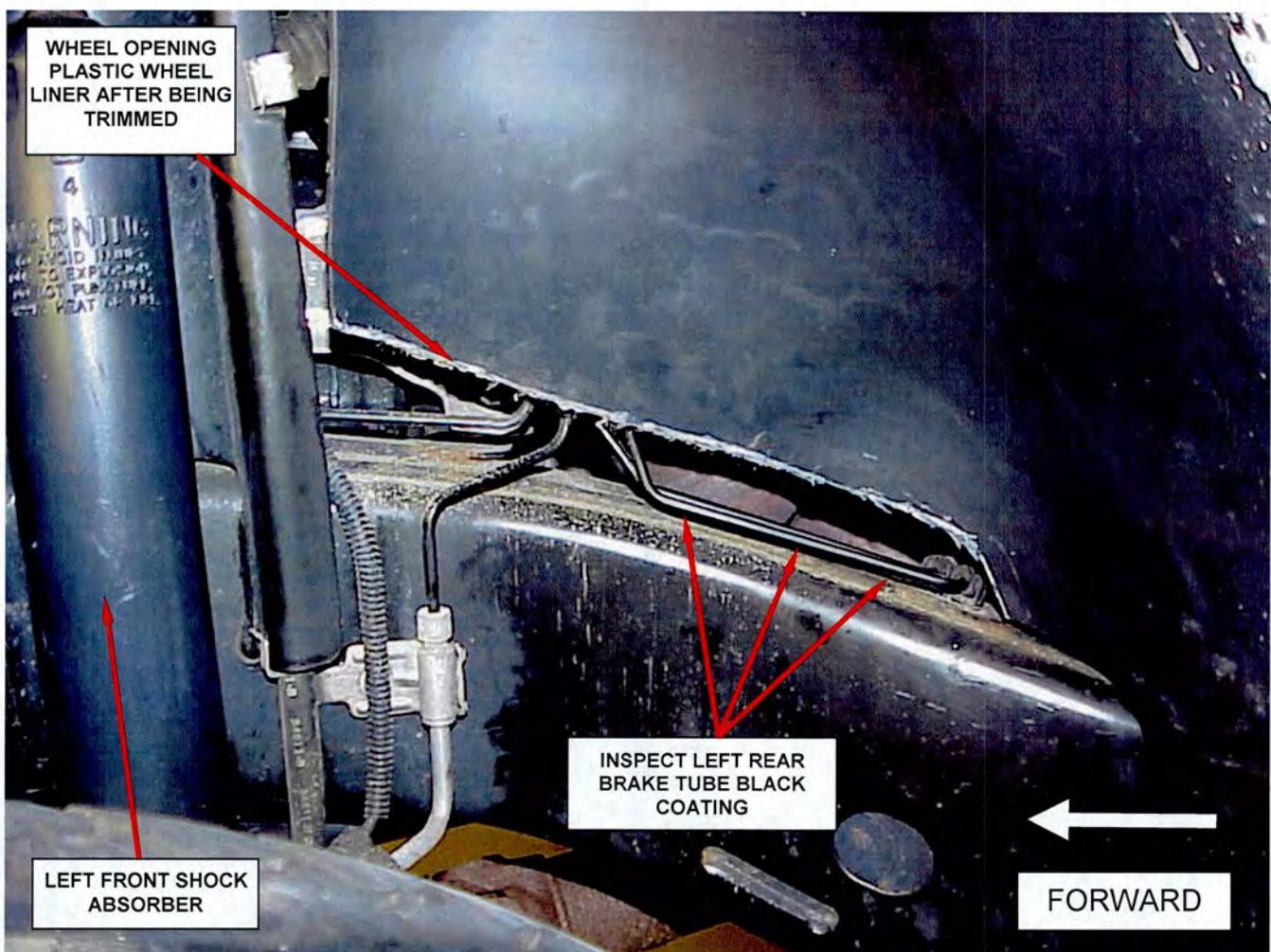


Figure 2 – Inspect Left Rear Brake Tube



**Service Procedure (Continued)**

5. Mark the right front wheel opening plastic wheel liner as shown in Figure 3. The line drawn should be about 1 1/4 inch (30 mm) up from the bottom edge of the shield.
6. Cut the right front wheel opening plastic liner along the line made in Step 4 (Figure 3).

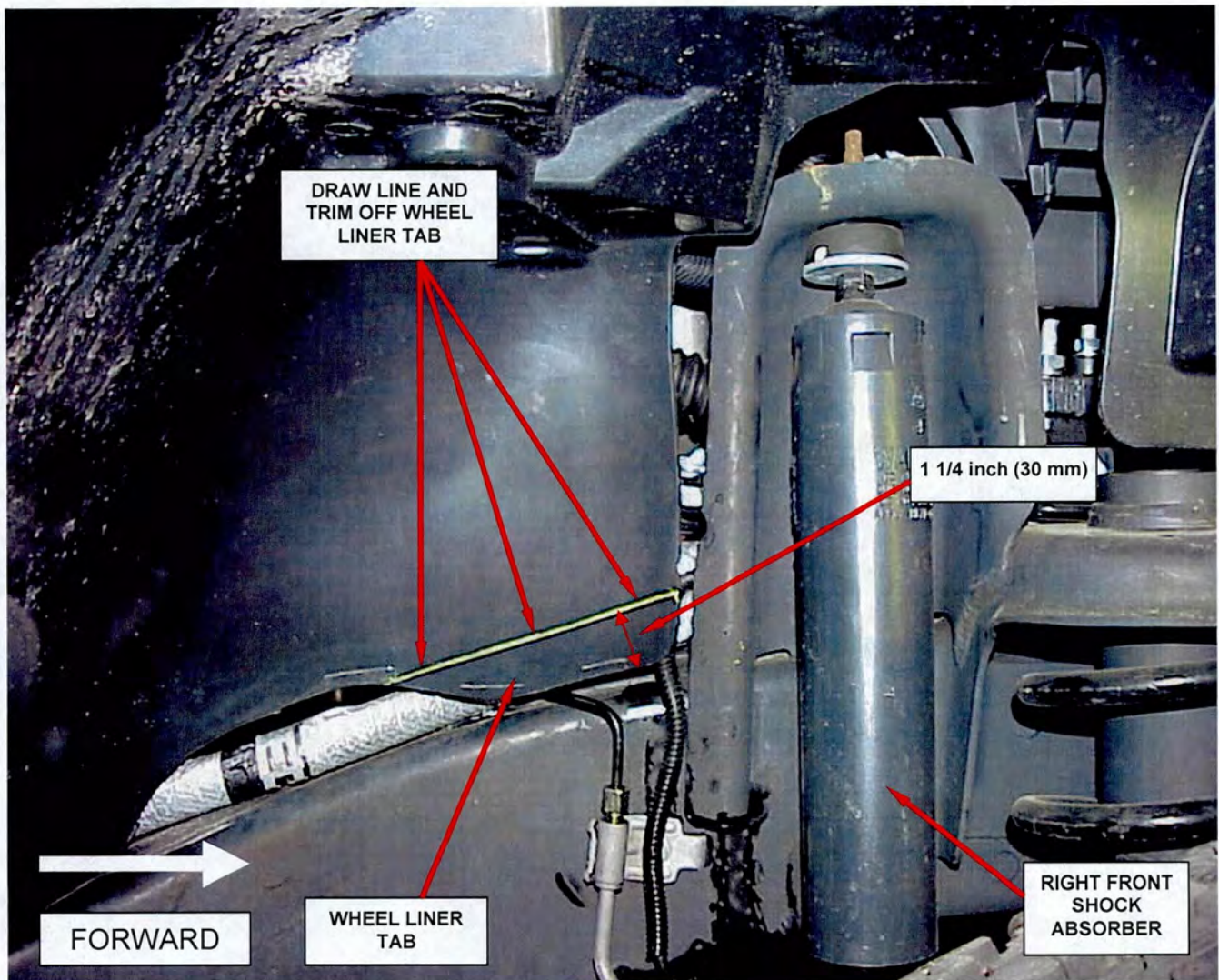
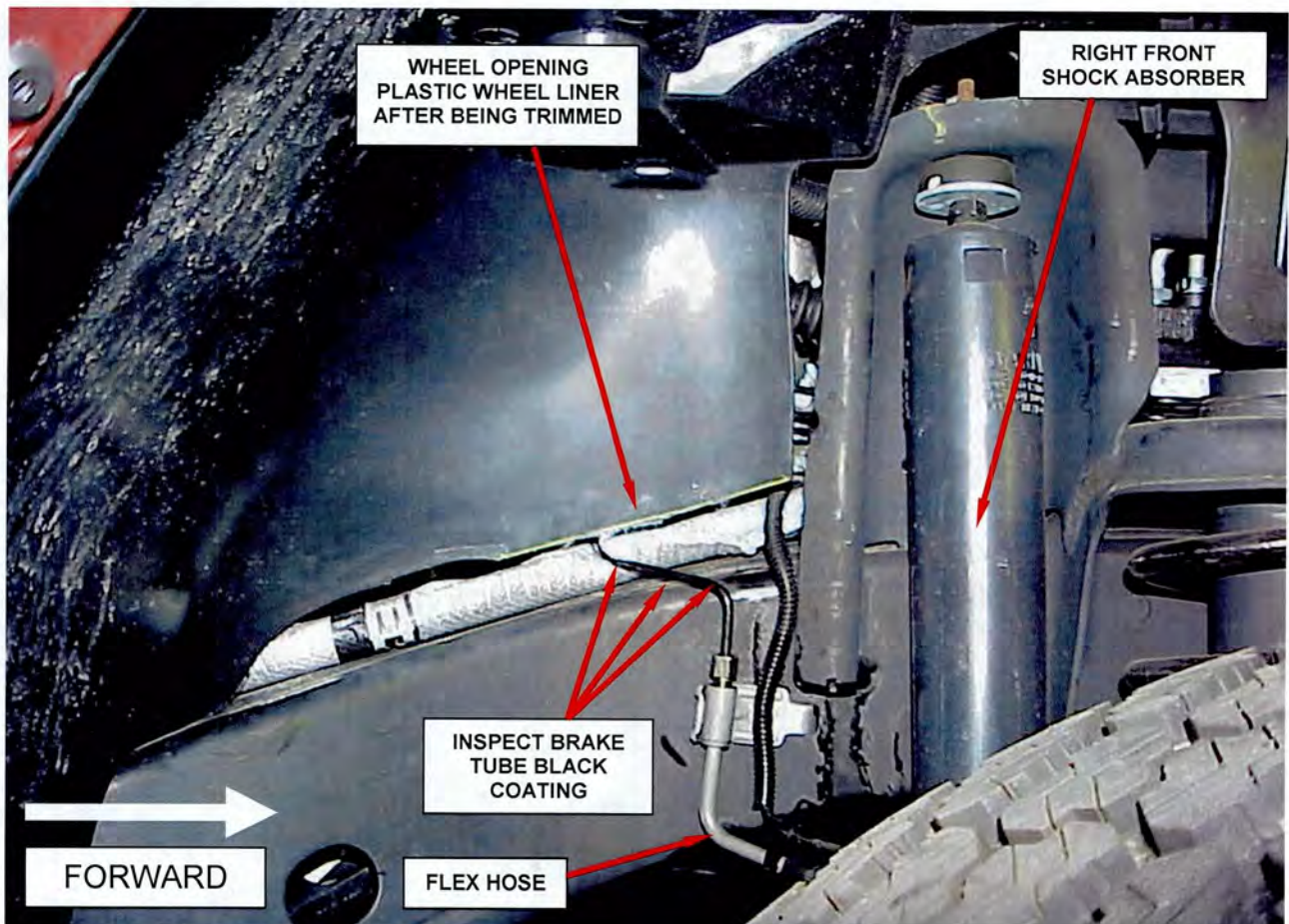


Figure 3 – Trim Right Wheel Opening Plastic Liner



**Service Procedure (Continued)**

7. Inspect the right front brake tube black coating, at the area shown in Figure 4, for damage:
- If the black coating on the right front brake tube has no damage and the left rear brake tube previously inspected has no damage, continue with Section F.
  - If the black coating on the right front brake tube is scuffed, but no bare metal is showing, the right front brake tube is good. If the previously inspected left rear brake tube was not damaged or only scuffed, continue with Section F.
  - If the black coating on the right front brake tube has been damaged and bare metal is visible, replace the right brake tube. **For Left Hand Drive**, continue with Section B to replace the right front brake tube or Section C to replace **just** the left rear brake tube. **For Right Hand Drive**, continue with Section D to replace the right front brake tube or Section E to replace **just** the left rear brake tube.

**Figure 4 – Inspect Brake Tube**



## Service Procedure (Continued)

### B. Replace the Right Front Wheel Brake Tube (Left Hand Drive)

**NOTE:** The following procedure is required if the right brake tube requires replacement per the inspection in Section “A.”

1. Disconnect and isolate the negative battery cable.
2. Using a brake pedal holding tool, depress the brake pedal past its first inch of travel and hold it in this position.

**NOTE:** Holding the pedal in this position will isolate the master cylinder from the hydraulic brake system and will not allow brake fluid to drain out of the brake fluid reservoir while brake tubes are disconnected.

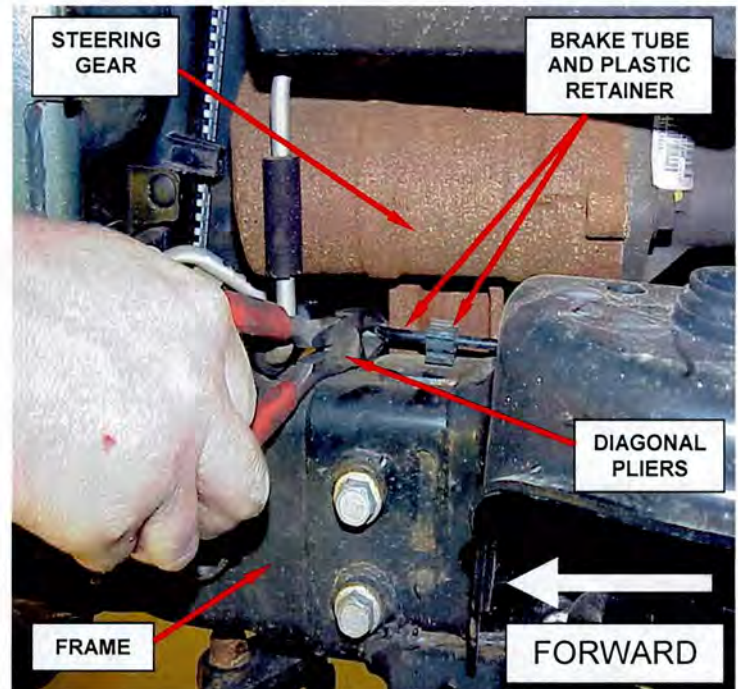


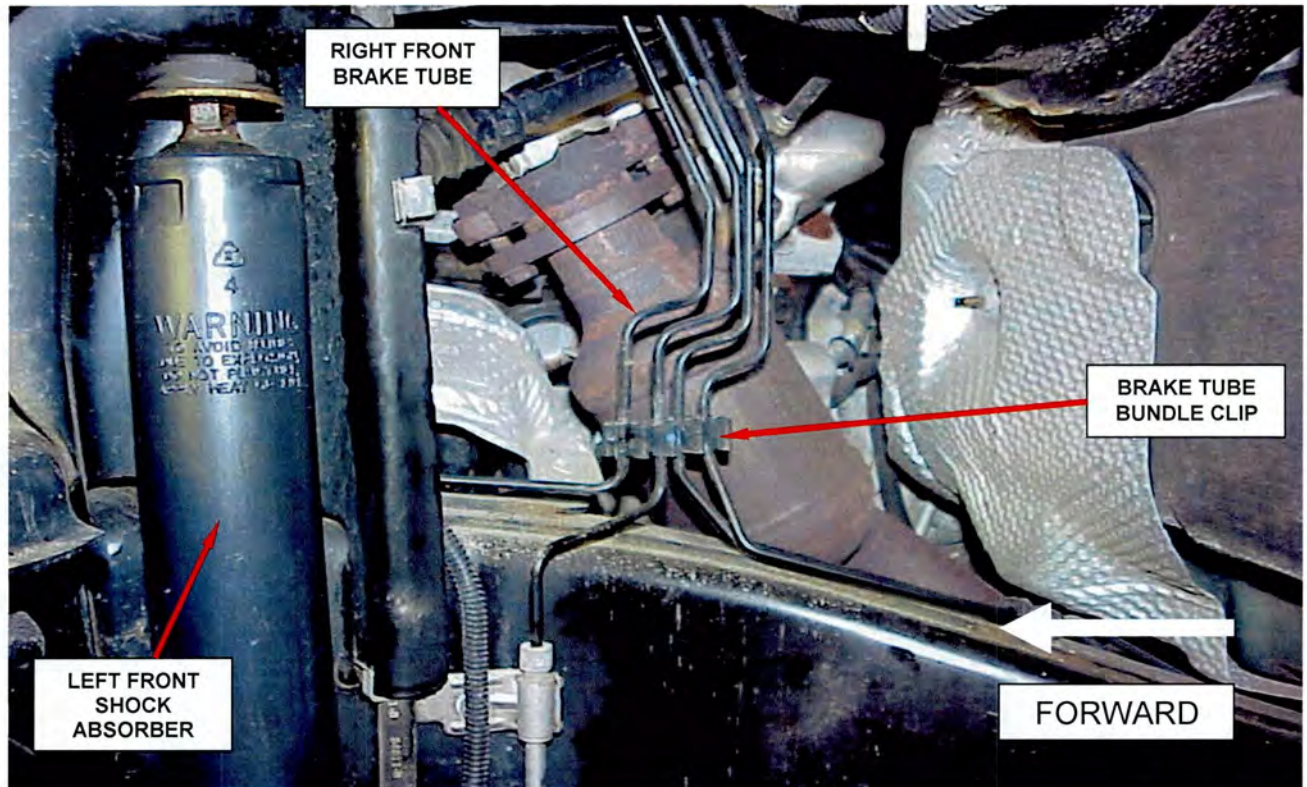
Figure 5 – Cut Brake Tube

3. Raise the vehicle on a hoist.
4. Remove and save the left front plastic wheel liner.
5. Using diagonal pliers, cut the right front brake line at the steering gear (Figure 5).

**CAUTION:** The brake tube is under a slight amount of pressure due to the prop rod depressing the brake pedal. Place a rag over the brake tube while cutting the tube to control the brake fluid if it squirts out.

6. Remove and discard the brake tube plastic retaining clip located on the frame rail under the steering gear (Figure 5).

**Service Procedure (Continued)**



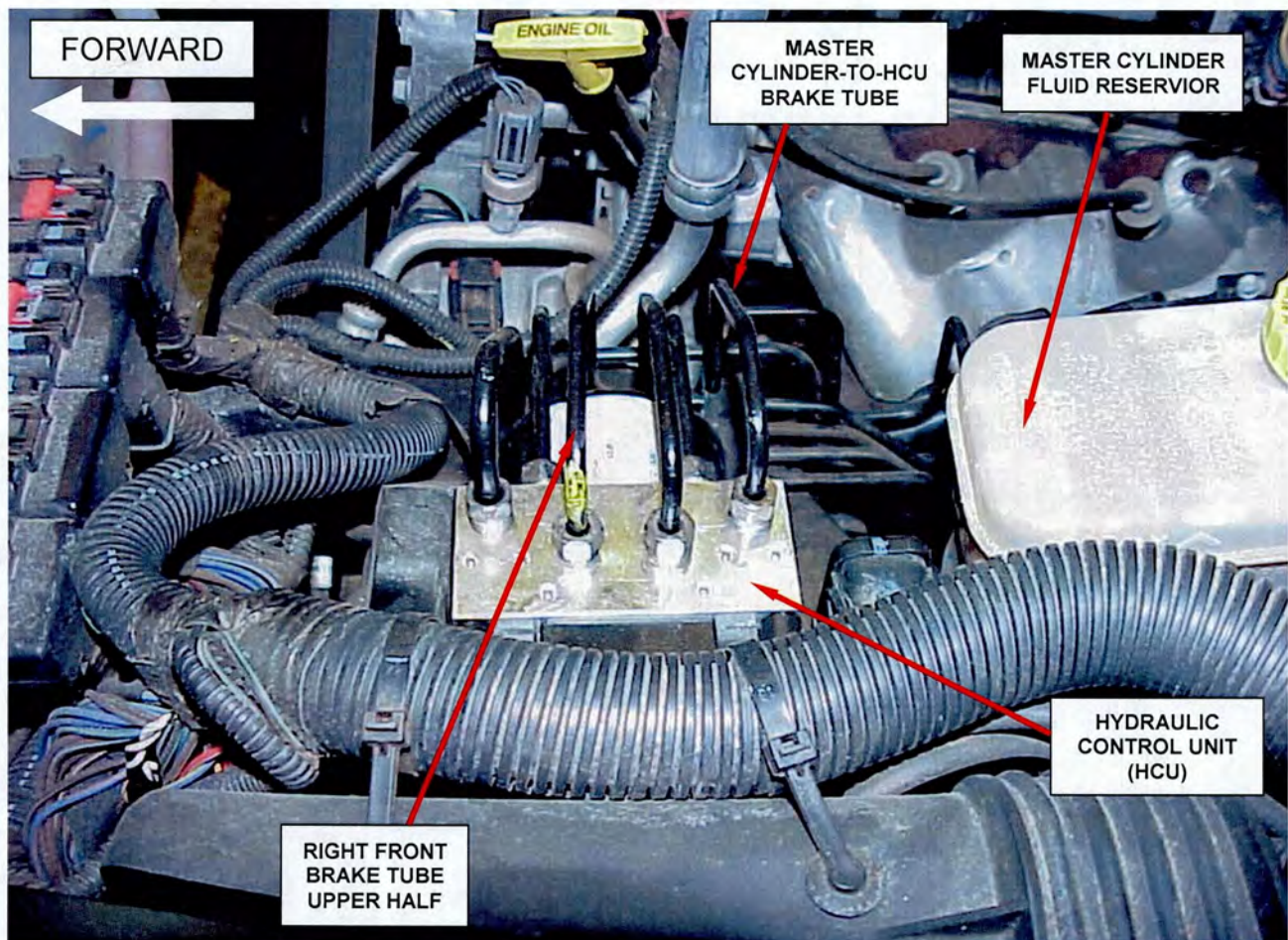
**Figure 6 – Brake Tube Bundle Clip Location**

7. Disengage the right front brake tube from the brake tube bundle clip (Figure 6).
  
8. Lower the vehicle from the hoist.
  
9. Using Mopar brake parts cleaner, clean the top surface of the Hydraulic Control Unit (HCU) to prevent dirt from entering any of the brake tube ports during tube replacement.



**Service Procedure (Continued)**

10. Disconnect and save the master cylinder-to-HCU brake tube to allow access for removal of the right front brake tube (Figure 7).
11. Remove and discard the right front brake tube upper half from the HCU (Figure 7).
12. Install the top half of the new brake tube into the vehicle, start the brake tube flare nut into the HCU, but do not tighten at this time.
13. If the left rear brake tube is is not being replaced, install the previously removed master cylinder-to-HCU brake tube. Tighten the flare nuts to 170 in. lbs. (19 N·m).

**Figure 7 - Brake Tube Locations**



**Service Procedure (Continued)**

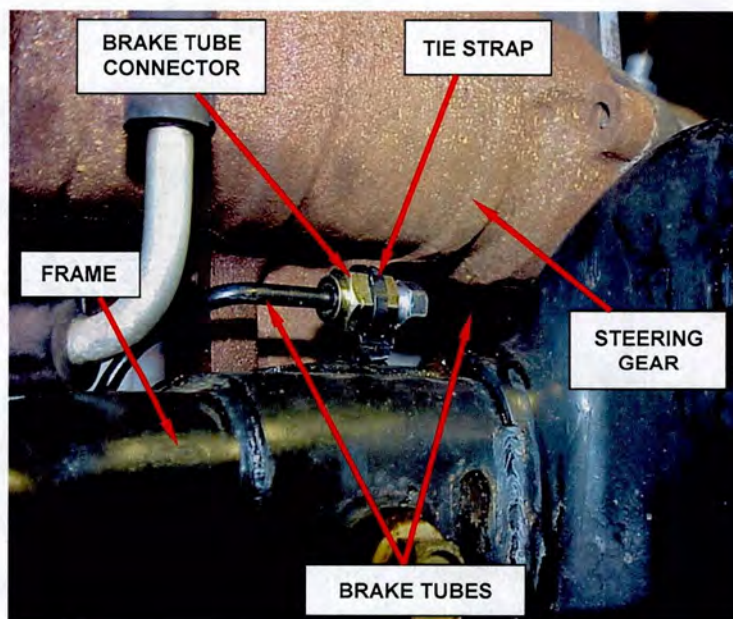
14. Remove or relocate the following components to gain access to the lower half of the right brake tube:
  - a. Unsnap the engine coolant recovery reservoir from the radiator shroud, disconnect the coolant recover hose from the radiator, and remove the reservoir assembly from the vehicle.
  - b. Loosen the engine air inlet tube clamp at the throttle body, then disengage the air cleaner housing from the retaining grommets and remove the assembly from the vehicle.
  - c. Remove the one retaining bolt for the power steering fluid reservoir and set the reservoir aside.
15. Disconnect the brake tube at the right front wheel flex hose connector (Figure 8).
16. Disconnect the right front wheel Anti-lock Brake System (ABS) wheel sensor electrical connector located on the top of the right frame rail.
17. Disconnect the right front brake tube from the retainer clips.
18. Remove and discard the lower half of the right brake tube.
19. Place the new lower half brake tube into position.
20. Snap the new brake tube into the front brake tube from the retainer clips.
21. Connect the right front wheel ABS wheel sensor electrical connector located on the top of the right frame rail.
22. Connect the new brake tube to the right front wheel flex hose connector (Figure 8). Tighten the flare nut to 170 in. lbs. (19 N·m).

**Figure 8 – Flex Hose Connector**



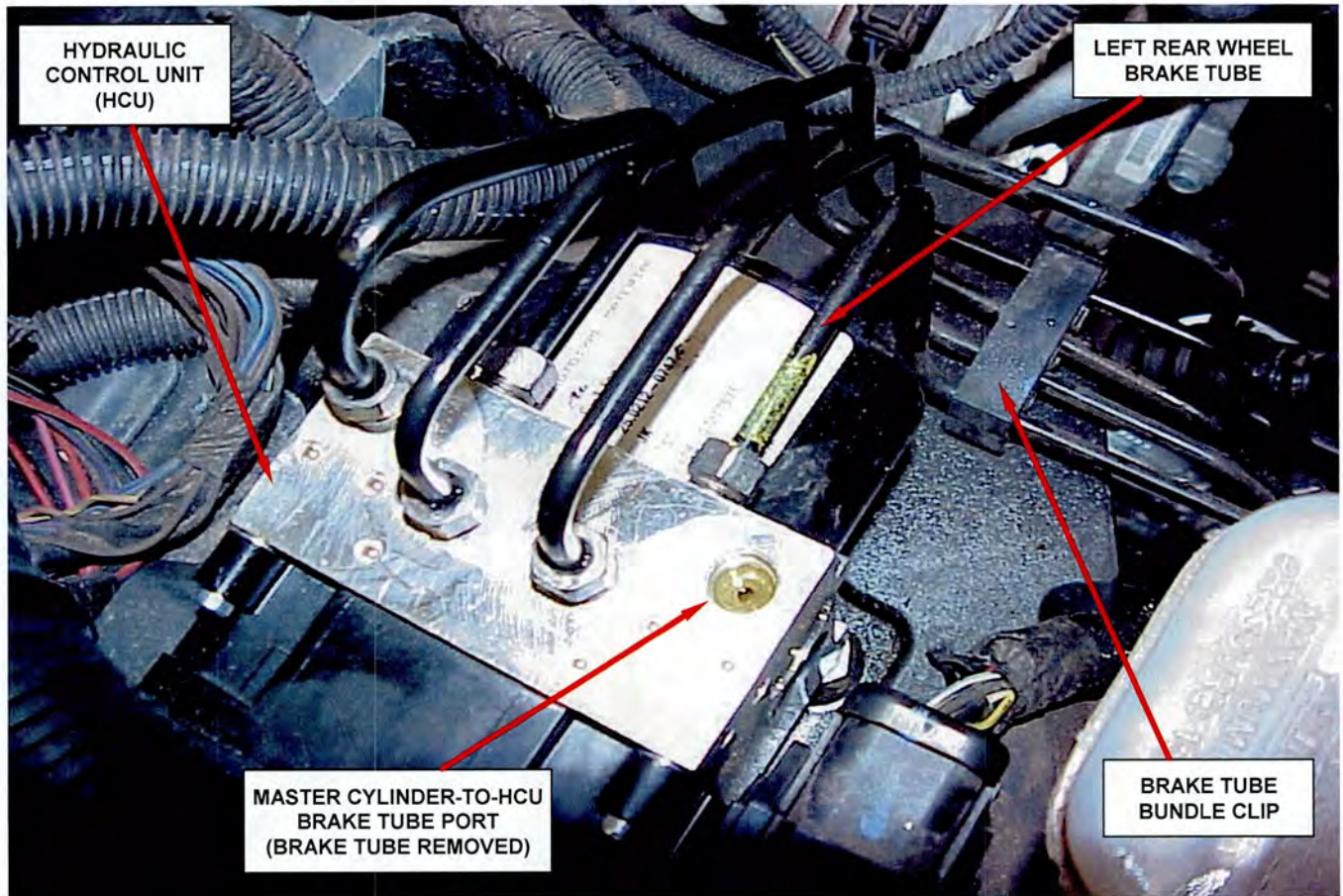
**Service Procedure (Continued)**

23. Place the power steering reservoir into position and install the mounting bolt.
24. Install the air cleaner assembly.
25. Install the engine coolant reservoir bottle onto the radiator shroud and connect the coolant recovery hose to the radiator.
26. Raise the vehicle on the hoist.
27. Connect the upper and lower brake tubes at the steering gear. Tighten the connector flare nut to 170 in. lbs. (19 N·m).

**Figure 9 – Tie Strap Location**

28. Install the supplied tie strap, as shown in Figure 9, to secure the brake tube and tube connector to the vehicle.
29. Snap the new tube into the brake tube bundle clip (Figure 6).
30. If the rear brake tube is not being replaced, install the left front wheel opening plastic liner.
31. Lower the vehicle from the hoist.
32. Tighten the right brake tube flare nut at the HCU to 170 in. lbs. (19 N·m).
33. If the left rear brake tube is being replaced, continue with Section C - Replace the Left Rear Brake Tube. If the left rear brake tube is not being replaced, continue with Section F – Replace Wheel Opening Liner Retainers.



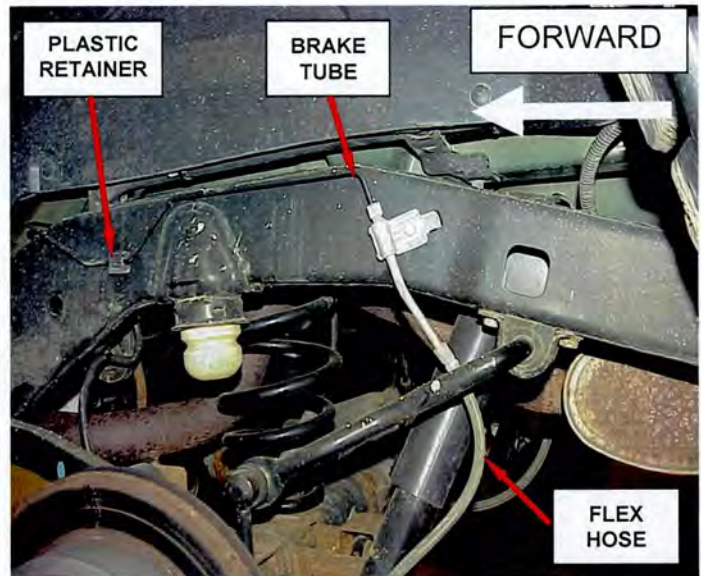
**Service Procedure (Continued)****C. Replace the Left Rear Wheel Brake Tube (Left Hand Drive)****Figure 10 – Tube Location**

1. If not previously removed, remove and save the left front plastic wheel liner.
2. If not previously removed, remove and save the master cylinder-to-HCU brake tube (Figure 10).
3. Disconnect the left rear wheel brake tube at the HCU (Figure 10).
4. Remove the brake tube from the brake tube bundle clip located next to the HCU (Figure 10).
5. Lift the vehicle halfway up on the hoist.



**Service Procedure (Continued)**

6. Remove the left rear wheel.
7. Disconnect the brake tube from the left rear wheel flex hose connector (Figure 11).
8. Separate the brake tube from the plastic retainer located on the frame (Figure 11).
9. Lift the vehicle all the way up on the hoist.
10. Starting at the rear of the vehicle, unsnap the brake tube from the plastic clips along the frame.

**Figure 11 – Tube Location**

11. Using a diagonal pliers, cut the brake tube into sections and remove.
  12. Install a small rubber vacuum cap or piece of tape over the new rear brake tube openings to prevent dirt from getting into the brake tube during installation.
  13. With the help of an assistant, install the new rear section of brake tube by feeding it forward through the rear wheel opening.
- CAUTION: Use extreme care not to scratch the black tube coating during installation.**
14. Snap the new brake tube into the plastic retainers on the frame.
  15. Lower the vehicle from the hoist halfway.
  16. Connect the new rear section brake tube to the left rear wheel flex hose connector (Figure 11). Tighten the brake tube flare nut to 170 in. lbs. (19 N·m).
  17. Install the left rear wheel. Tighten the lug nuts to 100 ft. lbs. (135 N·m).
  18. Lower the vehicle from the hoist.
  19. Remove and discard the upper portion of the original left rear brake tube.

**Service Procedure (Continued)**

20. Install the new upper brake tube into position.
21. Loosely connect the front section of the left rear brake tube to the HCU. Do not tighten the flare nut at this time.
22. Lift the vehicle all the way up on the hoist.
23. Connect the front and rear brake tube sections at the connector. Tighten the connector flare nut to 170 in. lbs. (19 N·m).
24. Lower the vehicle.
25. Install the brake tube into the remaining tube retainers.
26. Tighten the brake tube flare nut at the HCU to 170 in. lbs. (19 N·m).
27. Install the master cylinder-to-HCU brake tube. Tighten the flare nuts to 170 in. lbs. (19 N·m).
28. Install the left front plastic wheel liner using new fasteners.
29. Continue to Section F - Replace Wheel Opening Liner Retainers.



**Service Procedure (Continued)****D. Replace the Right Front Wheel Brake Tube (Right Hand Drive)**

1. Disconnect and isolate the negative battery cable.
2. Using a brake pedal holding tool, depress the brake pedal past its first inch of travel and hold it in this position.

**NOTE: Holding the pedal in this position will isolate the master cylinder from the hydraulic brake system and will not allow brake fluid to drain out of the brake fluid reservoir while brake tubes are disconnected.**

3. Clean the top of the Hydraulic Control Unit (HCU) where the brake tubes attach to prevent dirt from entering the brake tube port during tube replacement (Figure 12).
4. Disconnect the brake right front brake tube from the HCU aluminum block (Figure 12).
5. Unclip and set aside the canister purge solenoid (Figure 12).

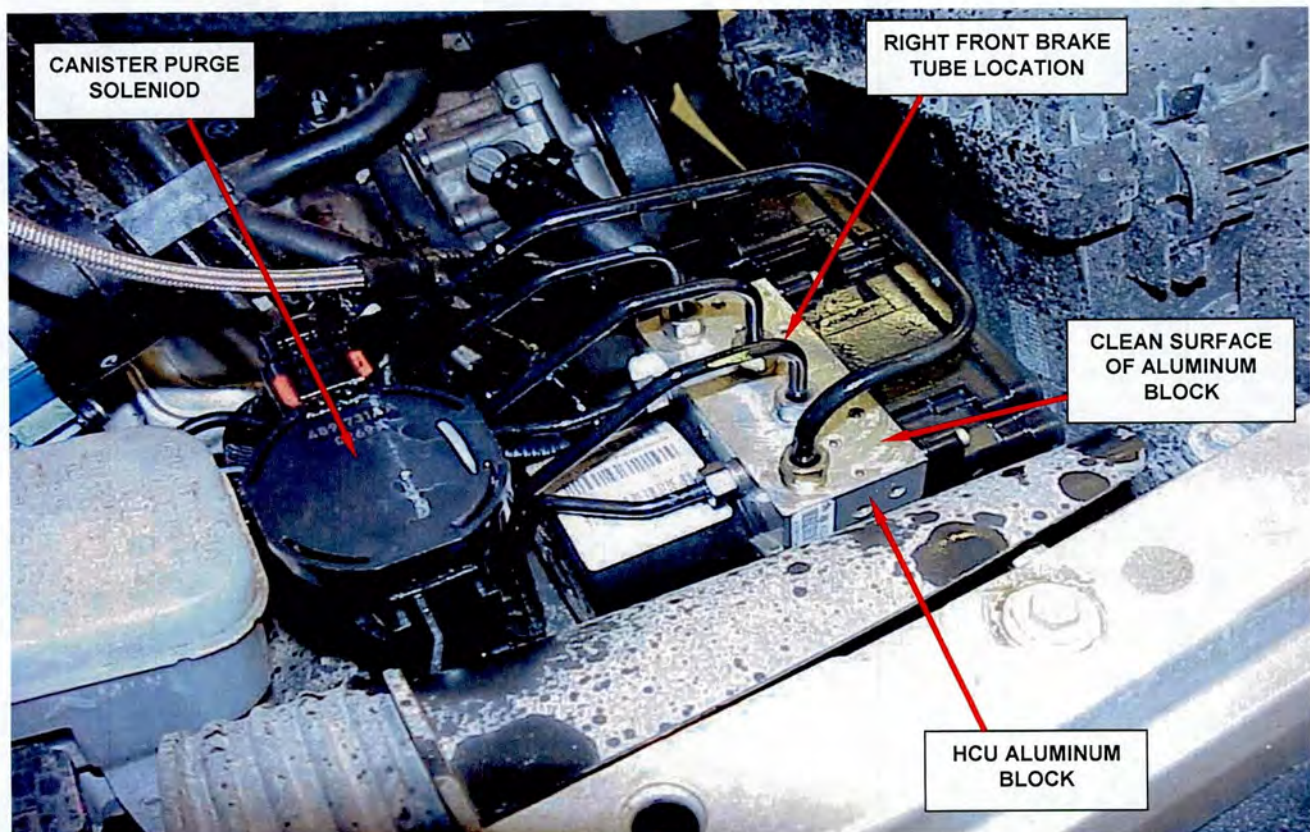


Figure 12 – Brake Tube Location



**Service Procedure (Continued)**

6. Unclip the right front brake tube from the plastic bundle clip.
7. Disconnect the brake tube from the right front wheel flex hose.
8. Remove and discard the original brake tube from the vehicle.
9. Place the new brake tube into position on the vehicle.
10. Connect the right brake tube flare nut to the right front wheel flex hose. Only hand-tighten the flare nut at this time.
11. Connect the other right brake tube flare nut to the HCU aluminum block. Tighten the flare nut to 170 in. lbs. (19 N·m) (Figure 12).
12. Tighten the right brake tube flare nut at the right front wheel flex hose to 170 in. lbs. (19 N·m).
13. Snap the right front brake tube into the plastic bundle clip.
14. Snap the canister purge solenoid into position.
15. If the left rear wheel brake tube requires replacement, continue with Section E - Replace Left Rear Wheel Brake Tube. If the left rear wheel brake tube does not require replacement, continue with Section F - Replace Wheel Opening Liner Retainers.

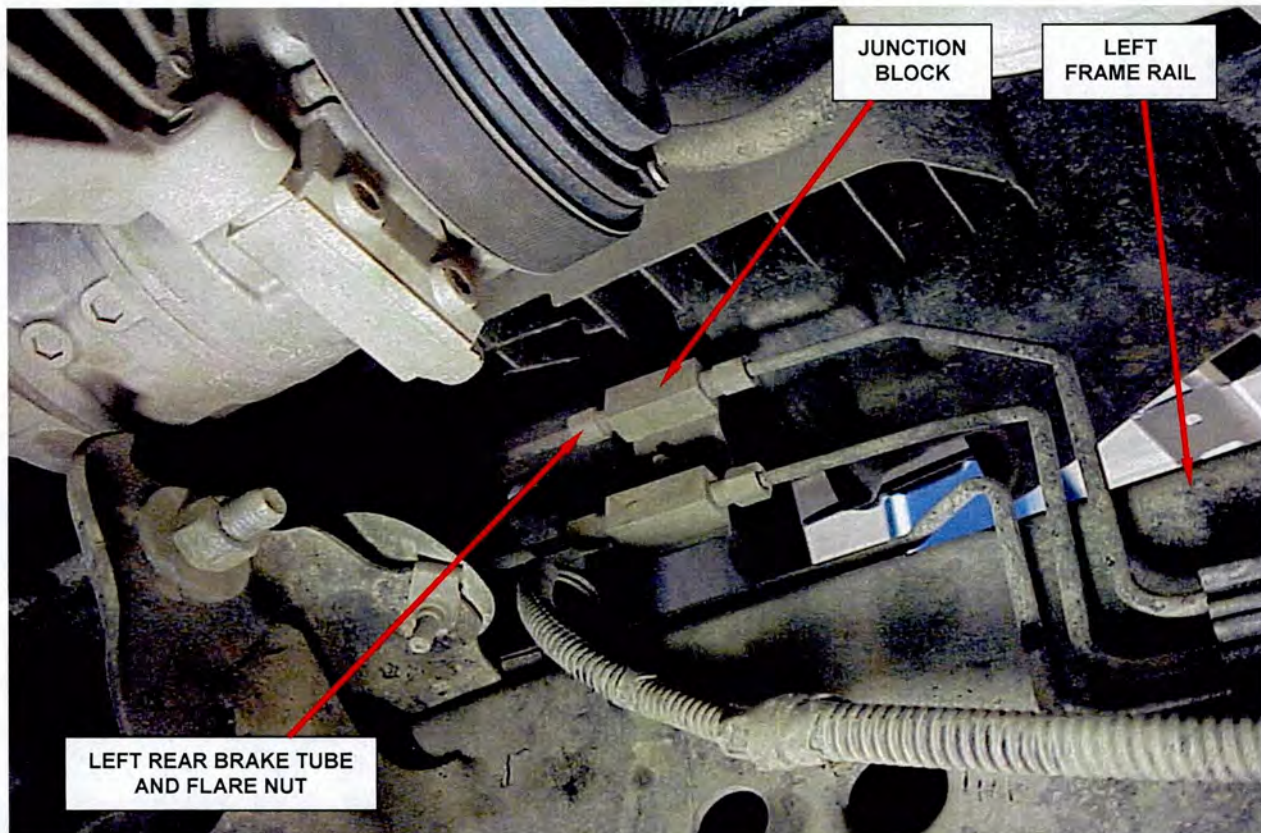


**Service Procedure (Continued)****E. Replace the Left Rear Wheel Brake Tube (Right Hand Drive)**

1. If not previously performed, disconnect and isolate the negative battery cable.
2. If not previously performed, using a brake pedal holding tool, depress the brake pedal past its first inch of travel and hold it in this position.

**NOTE: Holding the pedal in this position will isolate the master cylinder from the hydraulic brake system and will not allow brake fluid to drain out of the brake fluid reservoir while brake tubes are disconnected.**

3. Remove and save the left front plastic wheel liner.
4. Disconnect the left rear brake tube from the junction block (top brake line) (Figure 13).
5. Raise the vehicle on a hoist and unsnap the left rear brake tube from the frame clips.



**Figure 13 – Left Rear Brake Tube Location (Viewed from Under Vehicle)**

**Service Procedure (Continued)**

6. Remove the left rear wheel.
  
7. Disconnect the brake tube from the left rear wheel flex hose connector.
  
8. With the help of an assistant, install the new brake tube into position on the vehicle.

**CAUTION: Use extreme care not to scratch the black tube coating during installation.**

9. Connect the brake tube to the left rear wheel flex hose and tighten the flare nut to 170 in. lbs. (19 N·m).
  
10. Snap the new brake tube into all of the frame clips.
  
11. Connect the left rear brake tube to the open port on the junction block. Tighten the flare nut to 170 in. lbs. (19 N·m).
  
12. Install the left front plastic wheel liner.
  
13. Install the left rear wheel and tighten lug nuts to 100 ft. lbs. (135 N·m).
  
14. Continue to Section F - Replace Wheel Opening Liner Retainers.

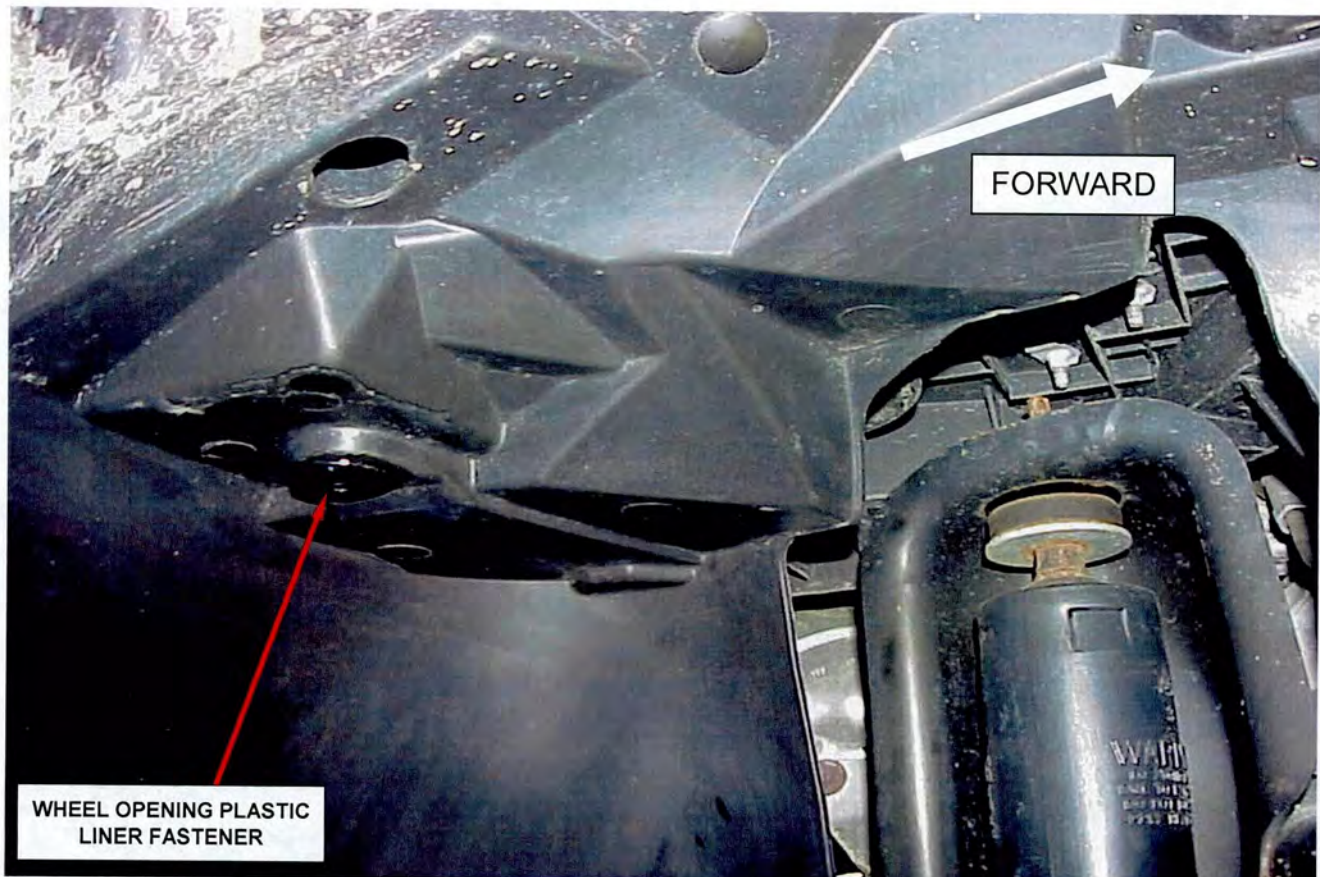


**Service Procedure (Continued)****F. Replace Wheel Opening Liner Retainers**

1. Locate the wheel opening plastic liner fastener inside the right front wheel opening (Figure 14).

**NOTE: The wheel opening plastic liner fastener may be missing on some vehicles.**

2. Remove and discard the old wheel opening plastic liner fastener.
3. Install the new metal fastener supplied. Tighten the fastener to 90 in. lbs. (10 N·m).
4. Repeat Steps 1 through 3 for the left front wheel opening plastic liner fastener.
5. If previously disconnected, connect the negative battery cable.
6. If any brake tube was replaced, continue to Section G - Bleed Hydraulic Brake System.



**Figure 14 – New Right Side Wheel Opening Liner Fastener Shown**

**Service Procedure (Continued)**

**G. Bleed Hydraulic Brake System**

1. Remove the brake pedal prop rod.
2. Fill brake reservoir on master cylinder with Mopar brake DOT 3 fluid.
3. Using a pressure bleeder, follow the bleeder manufacturer's instructions to bleed the brakes.
4. Remove pressure bleeder from the vehicle and recheck brake fluid level. Add brake fluid if required.



**Completion Reporting and Reimbursement**

Claims for vehicles that have been serviced must be submitted on the DealerCONNECT Claim Entry Screen located on the Service tab. Claims submitted will be used by Chrysler to record recall service completions and provide dealer payments.

Use one of the following labor operation numbers and time allowances:

	<b><u>Labor Operation Number</u></b>	<b><u>Time Allowance</u></b>
<b><u>Left Hand Drive Vehicles (LHD)</u></b>		
Modify wheel liners, inspect brake tubes, and install new wheel liner fasteners	05-K1-31-82	0.3 hours
<b><u>Related Operation</u></b>		
Replace right front brake tube (LHD)	05-K1-31-50	1.3 hours
Replace left rear brake tube (LHD)	05-K1-31-51	1.1 hours
Replace left rear brake tube and right front brake tube (LHD)	05-K1-31-52	1.9 hours
 <b><u>Right Hand Drive Vehicles (RHD)</u></b>		
Modify wheel liners, inspect brake tubes, and install new wheel liner fasteners	05-K1-31-83	0.3 hours
<b><u>Related Operation</u></b>		
Replace right front brake tube (RHD)	05-K1-31-53	0.4 hours
Replace left rear brake tube (RHD)	05-K1-31-54	0.9 hours
Replace left rear brake tube and right front brake tube (RHD)	05-K1-31-55	1.2 hours

Add the cost of the recall parts package plus applicable dealer allowance to your claim.

NOTE: See the Warranty Administration Manual, Recall Claim Processing Section, for complete recall claim processing instructions.

### **Dealer Notification**

To view this notification on DealerCONNECT, select “Global Recall System” on the Service tab, then click on the description of this notification.

### **Owner Notification and Service Scheduling**

All involved vehicle owners known to Chrysler are being notified of the service requirement by first class mail. They are requested to schedule appointments for this service with their dealers. A generic copy of the owner letter is attached.

Enclosed with each owner letter is an Owner Notification postcard to allow owners to update our records if applicable.

### **Vehicle Lists, Global Recall System, VIP and Dealer Follow Up**

All involved vehicles have been entered into the DealerCONNECT Global Recall System (GRS) and Vehicle Information Plus (VIP) for dealer inquiry as needed.

GRS provides involved dealers with an updated VIN list of their incomplete vehicles. The owner’s name, address and phone number are listed if known. Completed vehicles are removed from GRS within several days of repair claim submission.

To use this system, click on the “**Service**” tab and then click on “**Global Recall System.**” Your dealer’s VIN list for each recall displayed can be sorted by: those vehicles that were unsold at recall launch, those with a phone number, city, zip code, or VIN sequence.

**Dealers must perform this repair on all unsold vehicles before retail delivery.** Dealers should also use the VIN list to follow up with all owners to schedule appointments for this repair.

*Recall VIN lists may contain confidential, restricted owner name and address information that was obtained from the Department of Motor Vehicles of various states. Use of this information is permitted for this recall only and is strictly prohibited from all other use.*



**Additional Information**

If you have any questions or need assistance in completing this action, please contact your Service and Parts District Manager.

Customer Services Field Operations  
Chrysler Group LLC





**SAFETY RECALL K13  
FRONT INNER FENDER LINERS**

Dear: (Name)

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

Chrysler has decided that a defect, which relates to motor vehicle safety, exists in some **2007 through 2010 model year Jeep® Wrangler vehicles.**

**The problem is...** The front fender liners on your vehicle (VIN: xxxxxxxxxxxxxxxxxxxx) may detach or sag allowing the fender liner to contact one or more brake tubes. Continuous fender liner contact with the brake tube(s) could result in a hydraulic leak and reduce braking performance. The loss of braking performance could cause a crash without warning.

**What your dealer will do...** Chrysler will repair your vehicle free of charge (parts and labor). To do this, your dealer will trim the fender liners and replace the fender liner fasteners. Also, the brake tubes in the affected areas will be inspected for damage and replaced if necessary. The work will take about ½ hour to complete. If brake tube replacement is required, an additional 2 hours will be required. However, additional time may be necessary depending on service schedules.

**What you must do to ensure your safety...** Simply contact your Chrysler, Jeep, or Dodge dealer right away to schedule a service appointment. Ask the dealer to hold the parts for your vehicle or to order them before your appointment. **Please bring this letter with you to your dealer.**

**If you need help...** If you have questions or concerns which your dealer is unable to resolve, please contact Chrysler at 1-800-853-1403.

Please help us update our records by filling out the attached prepaid postcard, if any of the conditions listed on the card apply to you or your vehicle. You may also update this information on the web at [www.jeep.com/ownersreg](http://www.jeep.com/ownersreg).

If you have already experienced this condition and have paid to have it repaired, please send your original receipts and/or other adequate proof of payment to the following address for reimbursement: Chrysler Customer Assistance, P.O. Box 21-8007, Auburn Hills, MI 48321-8007, Attention: Reimbursement. Once we receive and verify the required documents, reimbursement will be sent to you within 3 weeks.

If your dealer fails or is unable to remedy this defect without charge and within a reasonable time, you may submit a written complaint to the Administrator, National Highway Traffic Safety Administration, 1200 New Jersey Ave., S.E., Washington, DC 20590, or call the toll-free Vehicle Safety Hotline at 1-888-327-4236 (TTY 1-800-424-9153), or go to <http://www.safercar.gov>.

We're sorry for any inconvenience, but we are sincerely concerned about your safety. Thank you for your attention to this important matter.

Customer Services Field Operations  
Chrysler Group LLC  
Notification Code K13

*Note to lessors receiving this recall: Federal regulation requires that you forward this recall notice to the lessee within 10 days.*