





June 2008

Dealer Service Instructions for:

## **Safety Recall H17 Rear Brake Tube Clearance**

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### **Models**

**2007-2008 (JK) Jeep® Wrangler (Right Hand Drive)**

*NOTE: This recall applies only to the above vehicles with right hand drive (sales code 5I9) built through March 5, 2008 (MDH 030512).*

**IMPORTANT: Some of the involved vehicles may be in dealer new vehicle inventory. Federal law requires you to complete this recall service on these vehicles before retail delivery.** Dealers should also consider this requirement to apply to used vehicle inventory and should perform this recall on vehicles in for service. Involved vehicles can be determined by using the VIP inquiry process.

### **Subject**

About 1,700 of the above vehicles may have insufficient clearance between the steering intermediate shaft and the rear brake tubes. Prolonged brake tube contact could wear a hole in the tube and cause a partial brake system loss. This could cause a crash without warning.

### **Repair**

The rear brake tubes must be inspected for damage and replaced if necessary. In addition, all vehicles must have a brake tube retaining clip installed.

**Alternate Transportation**

Dealers should attempt to minimize customer inconvenience by placing the owner in a loaner vehicle if inspection determines that brake tube(s) replacement is required and the vehicle must be held overnight.

**Parts information**

**A. Brake Tube Clip**

<u>Part Number</u>	<u>Description</u>
<b>CBA0H170</b>	<b>Clip, Brake Tube Retaining</b>

Each dealer to whom vehicles in the recall were assigned will receive enough Brake Tube Retaining Clips to service about 20% of those vehicles.

**B. Left Rear Brake Tube (Figure 1)**

<b>52129119AC</b>	<b>Tube, Brake</b>
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Due to the small number of involved vehicles expected to require a left front brake tube, no brake tubes will be distributed initially. **A left rear brake tube should be ordered only after inspection determines that replacement is required. Very few vehicles are expected to require left rear brake tube replacement.**

**C. Right Rear Brake Tube (Figure 1)**

<b>52129120AC</b>	<b>Tube, Brake</b>
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Due to the small number of involved vehicles expected to require a right rear brake tube, no brake tubes will be distributed initially. **A right rear brake tube should be ordered only after inspection determines that replacement is required. Very few vehicles are expected to require right rear brake tube replacement.**

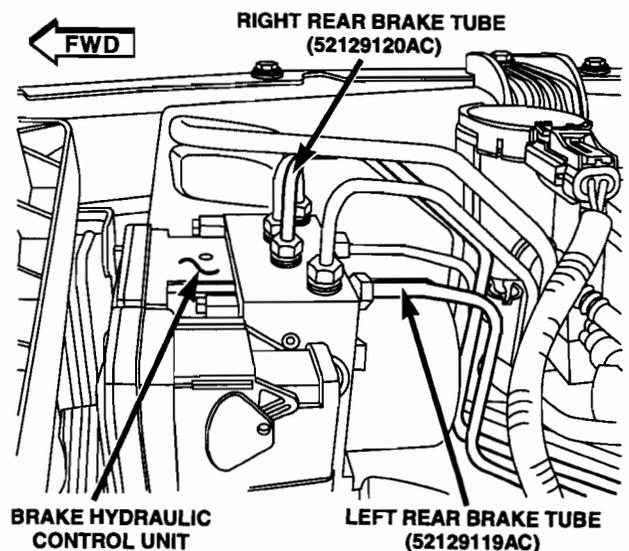
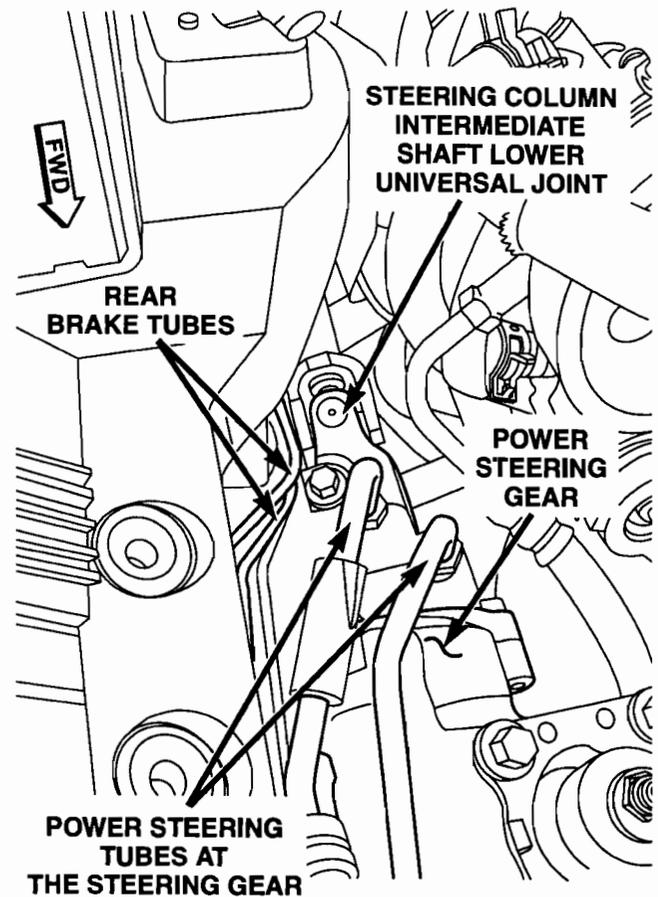


Figure 1

**Service Procedure****A. Inspect Brake Tubes**

1. Place a fender cover at the top of the windshield and open the hood until it contacts the fender cover.
2. Remove the engine air filter housing and throttle body fresh air connector hose.
3. Remove and discard the plastic tie strap (if equipped) retaining the brake tubes to the right shock tower next to the steering column intermediate shaft lower universal joint.
4. Using a small mirror, inspect the two brake tubes located next to the steering column intermediate shaft lower universal joint (Figure 2).

**Figure 2**

- If the steering column intermediate shaft lower universal joint has not rubbed against the brake tube(s), continue with **Section C – Install Brake Tube Retaining Clip**.
- If one or both of the brake tubes have rub marks from contacting the steering column intermediate shaft lower universal joint, replace the brake tube(s) that have rub marks. Continue with **Section B – Replace Brake Tube(s)**.

## Service Procedure (Continued)

### B. Replace Brake Tube(s)

1. Disconnect the negative battery cable from the battery.
2. Unsnap the radiator coolant overflow bottle from the radiator and set aside.

**NOTE: Do not disconnect any of the hoses from the coolant overflow bottle.**

3. Remove the fastener that holds the power steering reservoir to the radiator core support and set the reservoir aside.

**NOTE: Do not disconnect any of the hoses from the power steering reservoir.**

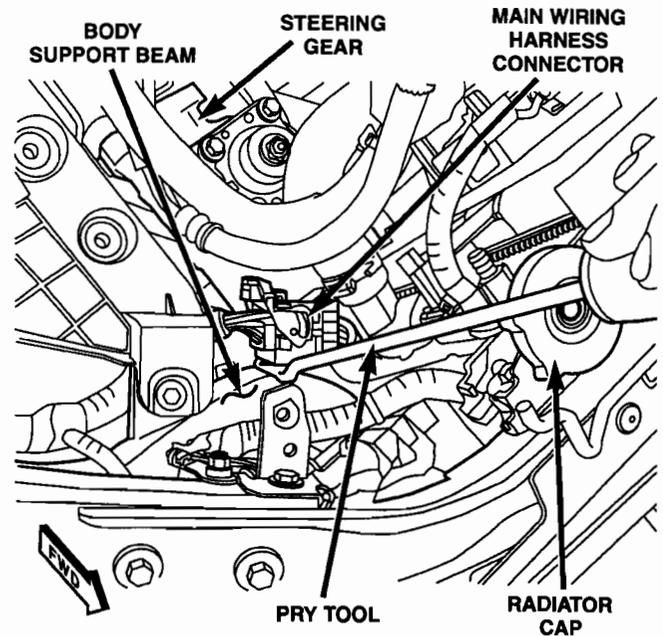


Figure 3

4. Separate the main wiring harness connector from the body support beam (Figure 3).
5. Disconnect the electrical connector at the canister purge solenoid (Figure 4).
6. Install a prop rod on the brake pedal to keep pressure on the brake system.

**NOTE: Holding the brake pedal in the applied position will isolate the master cylinder from the hydraulic brake system. This will not allow the brake fluid to drain out of the brake fluid reservoir while the brake tube is being replaced. This will facilitate bleeding only the rear brakes instead of the entire brake system.**

7. Disconnect the brake tube(s) from the brake hydraulic control unit aluminum body (Figure 4).

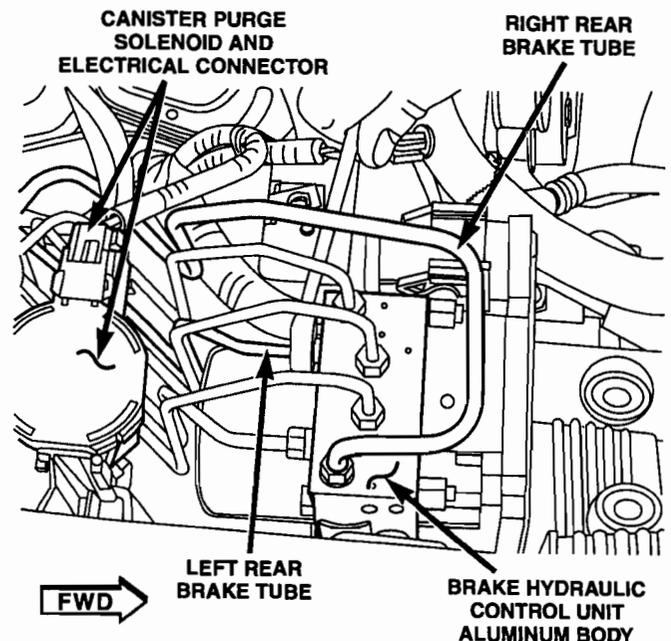


Figure 4

### Service Procedure (Continued)

8. Disconnect the brake tube(s) from the brass junction block(s) located next to the left frame rail (Figure 5).
9. Remove the brake tube(s) from the plastic routing clips.
10. Carefully remove and discard the original brake tube(s) from the vehicle.

**CAUTION: Use extreme care not to allow residual brake fluid in the brake tube to spill onto any painted surfaces while removing the brake tube(s) from the vehicle. Paint damage may occur.**

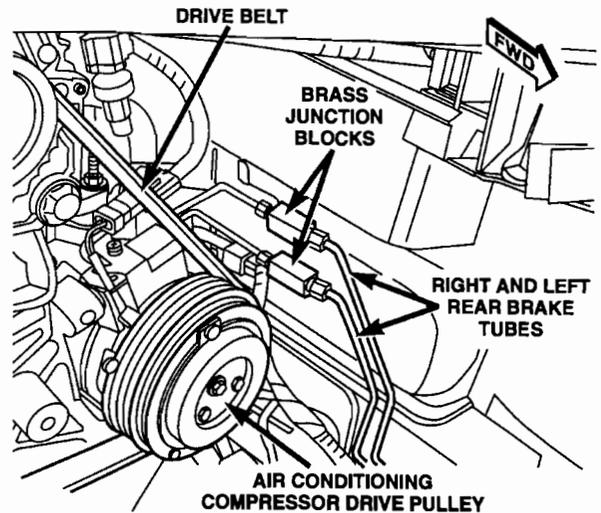


Figure 5

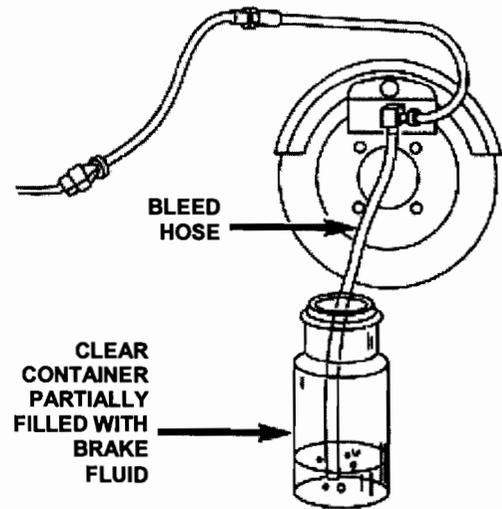
11. Place the new brake tube(s) into position.
12. Connect the brake tube(s) to the brake hydraulic control unit aluminum body (Figure 4). Hand tighten the tube nut(s).
13. Connect the other end of the brake tube(s) to the brass junction block(s) (Figure 5). Hand tighten the tube nut(s).

**CAUTION: Each brake tube has a unique tube nut size. Be sure to install the correct size tube nut into the corresponding brass junction block threaded hole.**

14. Snap the brake tube(s) into the plastic routing clips.
15. Tighten the brake hydraulic control unit tube nut(s) to 220 in. lbs. (25 N·m) (Figure 4).
16. Tighten the brass junction block tube nut(s) to 195 in. lbs. (22 N·m) (Figure 5).
17. Install the coolant overflow bottle onto the radiator.
18. Install the power steering reservoir to the core support.

**Service Procedure (Continued)**

- 19. Attach the main wiring harness connector to the body support beam (Figure 3).
- 20. Connect the electrical connector at the canister purge solenoid (Figure 4).
- 21. Remove the brake pedal prop rod from the vehicle.
- 22. Connect the negative battery cable.

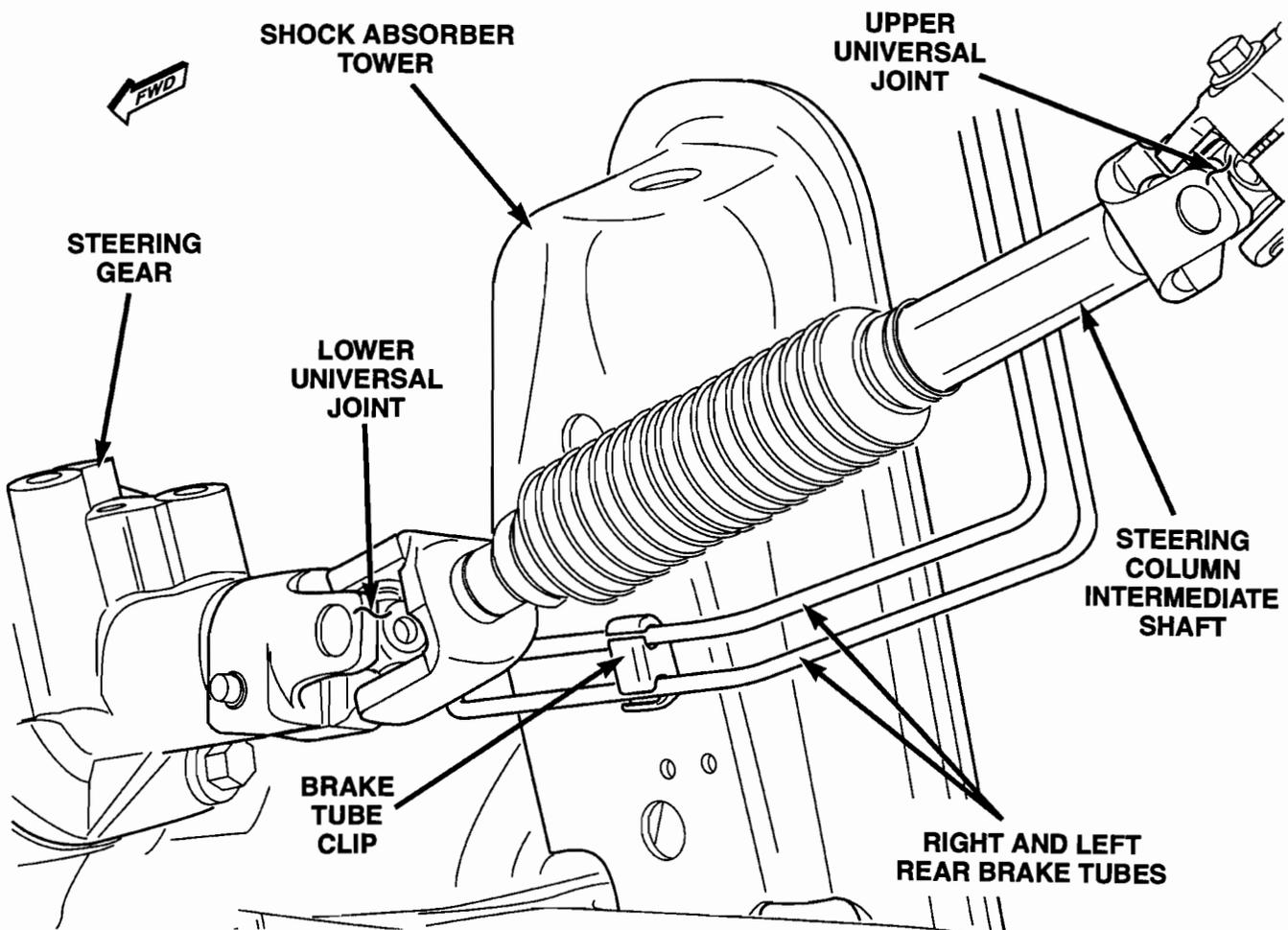


**Figure 6**

- 23. Bleed the brake system using the following procedure:
  - a. Fill the brake master cylinder reservoir with DOT 3 brake fluid.
  - b. Attach one end of bleed hose to bleed screw on the rear brake caliper and insert opposite end in a clear container partially filled with brake fluid (Figure 6). Be sure that the end of bleed hose is fully immersed in brake fluid.
  - c. Open the bleeder screw on the rear brake caliper that had the brake tube replaced, then have an assistant press and hold the brake pedal down. Once the pedal is down, close the bleeder screw and release the brake pedal. Repeat the bleeding process until the brake fluid stream in the container is clear and free of air bubbles.
  - d. Repeat Steps 23a through 23c on the other rear brake caliper if both rear brake tubes were replaced.
- 24. Continue with **Section C – Install Brake Tube Retaining Clip.**

**Service Procedure (Continued)****C. Install Brake Tube Retaining Clip**

1. Snap the rear brake tubes into new brake tube retaining clip.
2. Slide the new brake tube retaining clip forward so that the clip lines up with the existing hole in the shock tower.
3. Snap the new brake tube retaining clip into the existing hole in the shock tower (Figure 7).
4. Install the engine air filter housing and throttle body fresh air connector hose.

**Figure 7**

**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>Labor Operation Number</b>	<b>Time Allowance</b>
Inspect brake tubes and install brake tube retaining clip	05-H1-71-82	0.2 hours
Inspect brake tubes, replace <u>right rear</u> brake tube and install brake tube retaining clip	05-H1-71-83	0.7 hours
Inspect brake tubes, replace <u>left rear</u> brake tube and install brake tube retaining clip	05-H1-71-84	0.6 hours
Inspect brake tubes, replace <u>both rear</u> brake tubes and install brake tube retaining clip	05-H1-71-85	1.1 hours

Add the cost of the recall parts 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**

All dealers will receive one copy of this dealer recall notification letter by mail. 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



## SAFETY RECALL H17 – REAR BRAKE TUBE CLEARANCE

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 and 2008 model year right hand drive Jeep® Wrangler vehicles.**

***The problem is...*** Your vehicle (VIN: xxxxxxxxxxxxxxxxxxxx) may have insufficient clearance between the steering intermediate shaft and rear brake tubes. Prolonged brake tube contact could wear a hole in the tube and cause a partial brake system loss. This 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 inspect your vehicle's rear brake tubes and replace them if necessary. In addition, a brake tube retaining clip will be installed. The retaining clip will take less than a half hour to complete. If brake tube replacement is necessary an additional hour will be required. However, additional time may be necessary depending on service schedules.

***What you must do to ensure your safety...*** Simply contact your 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. **Remember to 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.

If you have already experienced this condition and have paid to have it repaired, you may send your original receipts and/or other adequate proof of payment to the following address for reimbursement: Chrysler Recall Customer Assistance, P.O. Box 21-8007, Auburn Hills, MI 48321-8007, Attention: Reimbursement.

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  
Notification Code H17

*Buckle up  
for Safety!*

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