



August 2010

Dealer Service Instructions for:

Safety Recall K15

Master Cylinder Brake Tube(s)

Models

2010 (DS) Ram Truck 1500 series

NOTE: This recall applies only to the above vehicles built from April 21, 2010 through May 17, 2010 (MDH 042123 through 051716).

2010 (JK) Jeep® Wrangler

NOTE: This recall applies only to the above vehicles built from April 22, 2010 through May 19, 2010 (MDH 042200 through 051923).

2010 (KA) Dodge Nitro

2010 (KK) Jeep® Liberty

NOTE: This recall applies only to the above vehicles built from April 23, 2010 through May 17, 2010 (MDH 042304 through 051714).

IMPORTANT: Many of the vehicles within the above build period have already been repaired and, therefore, have been excluded from this recall.

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

The master cylinder-to-hydraulic control unit brake tube(s) on about 20,600 of the above vehicles may have been built with an improperly formed flare that could cause brake fluid leakage. A brake fluid leak could increase the vehicle's stopping distance and cause a crash without warning.

Repair

The master cylinder brake tube(s) must be replaced.

Parts Information

A. (DS) Ram 1500 Truck:

<u>Part Number</u>	<u>Description</u>
CAA0K151AA	Brake Tube Package

Each package contains the following components:

<u>Quantity</u>	<u>Description</u>
1	Tube, Primary Brake
1	Tube, Secondary Brake

B. (JK) Jeep Wrangler (Left Hand Drive):

<u>Part Number</u>	<u>Description</u>
CAB0K152AA	Tube, Brake

C. (JK) Jeep Wrangler (Right Hand Drive):

<u>Part Number</u>	<u>Description</u>
CAA0K153AA	Tube, Brake

D. (KA) Dodge Nitro:

<u>Part Number</u>	<u>Description</u>
CAA0K154AA	Tube, Brake

E. (KK) Jeep Liberty:

<u>Part Number</u>	<u>Description</u>
CAA0K155AA	Tube, Brake

Due to the small number of involved vehicles, no brake tubes will be distributed initially. Dealers should order the Part package for each vehicle at the time appointments are scheduled to assure that the part is available when the customer arrives.

Parts Information (Continued)

<u>Part Number</u>	<u>Description</u>
04318080AB	Fluid, Brake (DOT 3)

NOTE: The Minimum Sales Quantity (MSQ) for this item is 24 bottles.

Special Tools

No special tools are required to perform this repair.

Service Procedure**A. DS (Ram 1500 Truck) Brake Tube Replacement**

1. Open the hood and disconnect the negative battery cable.
2. 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 tubes are being replaced. This will facilitate bleeding only the tubes from the master cylinder to the Hydraulic Control Unit (HCU).

3. Disconnect the primary and secondary brake tubes at the master cylinder (Figure 1).
4. Disconnect the primary and secondary brake tubes at the HCU (Figure 1).

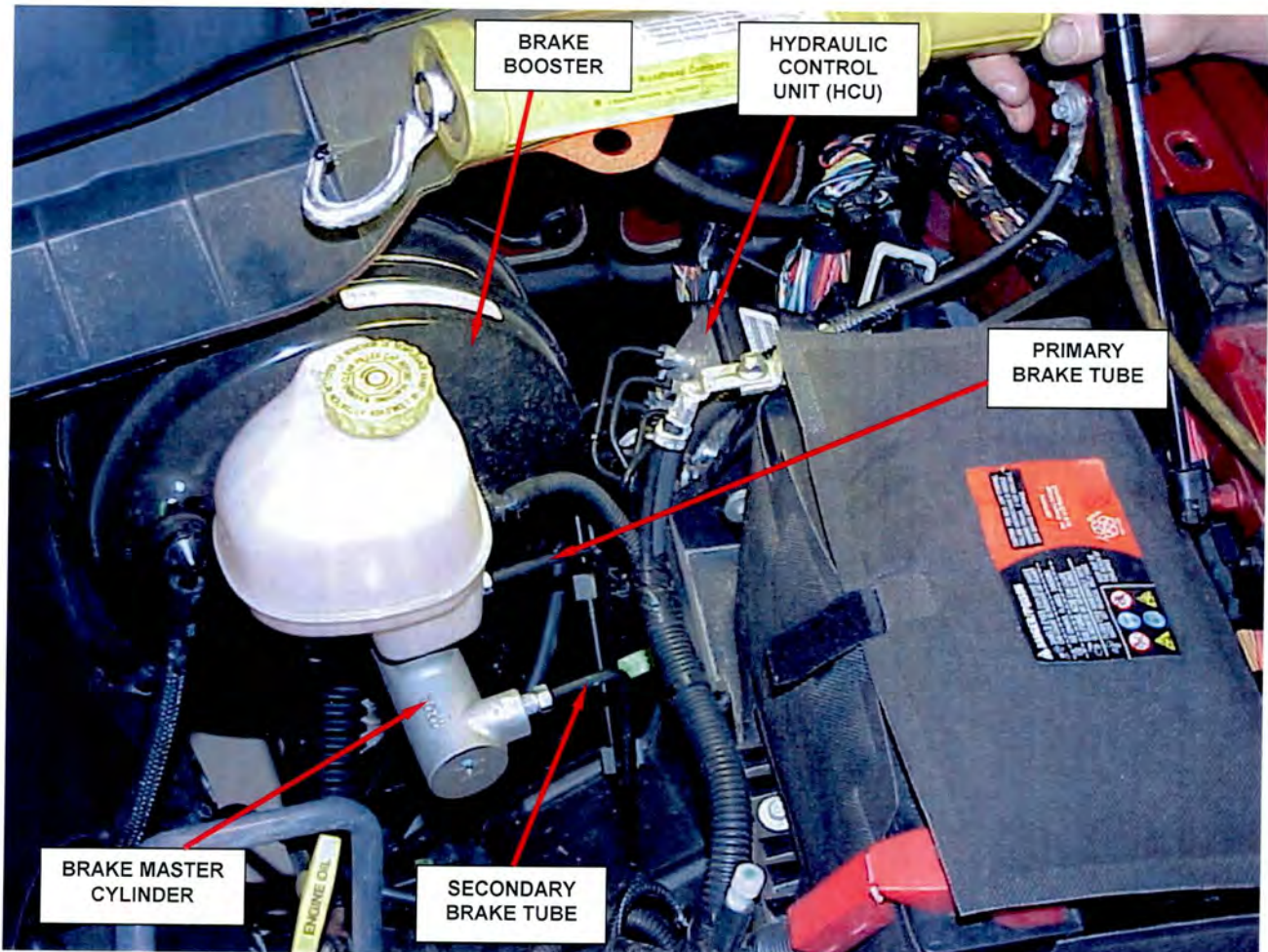


Figure 1 – Component Location

Service Procedure (Continued)

5. Remove the primary and secondary brake tubes as an assembly.
CAUTION: Use extreme care not to allow brake fluid to spill while removing the brake tubes.
6. Place the secondary brake tube into position.
7. Connect the secondary brake tube to the HCU. Hand tighten the tube nut.
8. Connect the secondary brake tube to the master cylinder. Hand tighten the tube nut.
9. Tighten the secondary brake tube nut at the master cylinder to 170 in. lbs. (19 N·m).
10. Place the primary brake tube into position.
11. Connect the primary brake tube to the HCU. Hand tighten the tube nut.
12. Connect the primary brake tube to the master cylinder. Hand tighten the tube nut.
13. Tighten the primary brake tube nut at the master cylinder to 170 in. lbs. (19 N·m).
14. Transfer the two brake tube retainers from the original brake tubes to the replacement brake tubes.
15. Discard the two original brake tubes.
16. Tighten both the primary and secondary brake tube nuts at the HCU until snug.
17. Remove the brake pedal prop rod.

Service Procedure (Continued)

18. Bleed the brake system using the following procedure:
 - a. Fill the master cylinder reservoir with DOT 3 brake fluid.
 - b. Have an assistant pump the brake pedal several times and then press and hold the brake pedal down.
 - c. While the assistant is holding the brake pedal down, loosen the primary HCU brake tube nut $\frac{1}{4}$ turn for two seconds and then retighten the tube nut.
 - d. Repeat Steps 18a through 18c until all air has been removed from the system.
 - e. Repeat Steps 18a through 18d for the secondary HCU brake tube nut.
19. After both circuits have been bled, tighten the HCU brake tube nuts to 170 in. lbs. (19 N·m).
20. Check brake fluid level and add DOT 3 brake fluid as required.
21. Verify that there are no brake fluid leaks and that the brakes operate properly.
22. Connect the negative battery cable.

Service Procedure**B. JK (Jeep Wrangler LHD) Brake Tube Replacement**

1. Open the hood and disconnect the negative battery cable.
2. 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 tubes from the master cylinder to the Hydraulic Control Unit (HCU).

3. Disconnect the primary brake tube at the master cylinder (Figure 2).
4. Disconnect the primary brake tube at the HCU (Figure 2).

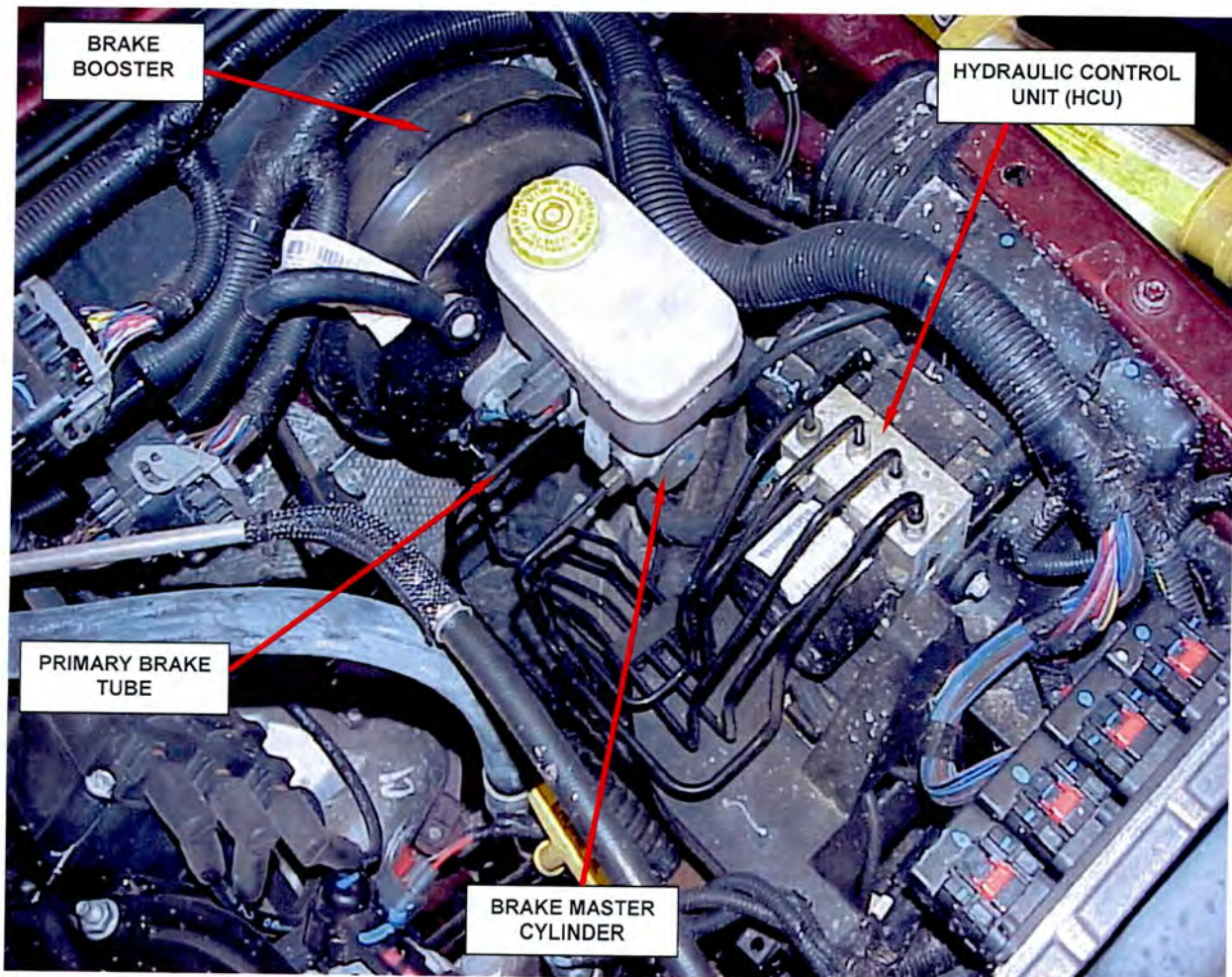


Figure 2 – Component Location

Service Procedure (Continued)

5. Remove the primary brake tube from the vehicle.

CAUTION: Use extreme care not to allow brake fluid to spill while removing the brake tube.

6. Discard the old brake tube.

7. Place the new primary brake tube into position.

8. Connect the primary brake tube nut to the HCU. Hand tighten the tube nut.

9. Connect the primary brake tube nut to the master cylinder. Hand tighten the tube nut.

10. Tighten the primary brake tube nut at the master cylinder to 170 in. lbs. (19 N·m).

11. Tighten the primary brake tube nut at the HCU until snug.

12. Remove the brake pedal prop rod.

13. Bleed the brake system using the following procedure:

a. Fill the master cylinder reservoir with DOT 3 brake fluid.

b. Have an assistant pump the brake pedal several times and then press and hold the brake pedal down.

c. While the assistant is holding the brake pedal down, loosen the primary HCU brake tube nut $\frac{1}{4}$ turn for two seconds and then retighten the tube nut.

d. Repeat Steps 18a through 18c until all air has been removed from the system.

14. After the primary circuit has been bled, tighten the HCU brake tube nut to 170 in. lbs. (19 N·m).

15. Check brake fluid level and add DOT 3 brake fluid as required.

16. Verify that there are no brake fluid leaks and that the brakes operate properly.

17. Connect the negative battery cable.

Service Procedure**C. JK (Jeep Wrangler RHD) Brake Tube Replacement**

1. Open the hood and disconnect the negative battery cable.
2. 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 tubes from the master cylinder to the Hydraulic Control Unit (HCU).

3. Disconnect the brake fluid level switch at the brake fluid reservoir.
4. Disconnect the primary brake tube at the master cylinder (Figure 3).
5. Disconnect the primary brake tube at the HCU (Figure 3).

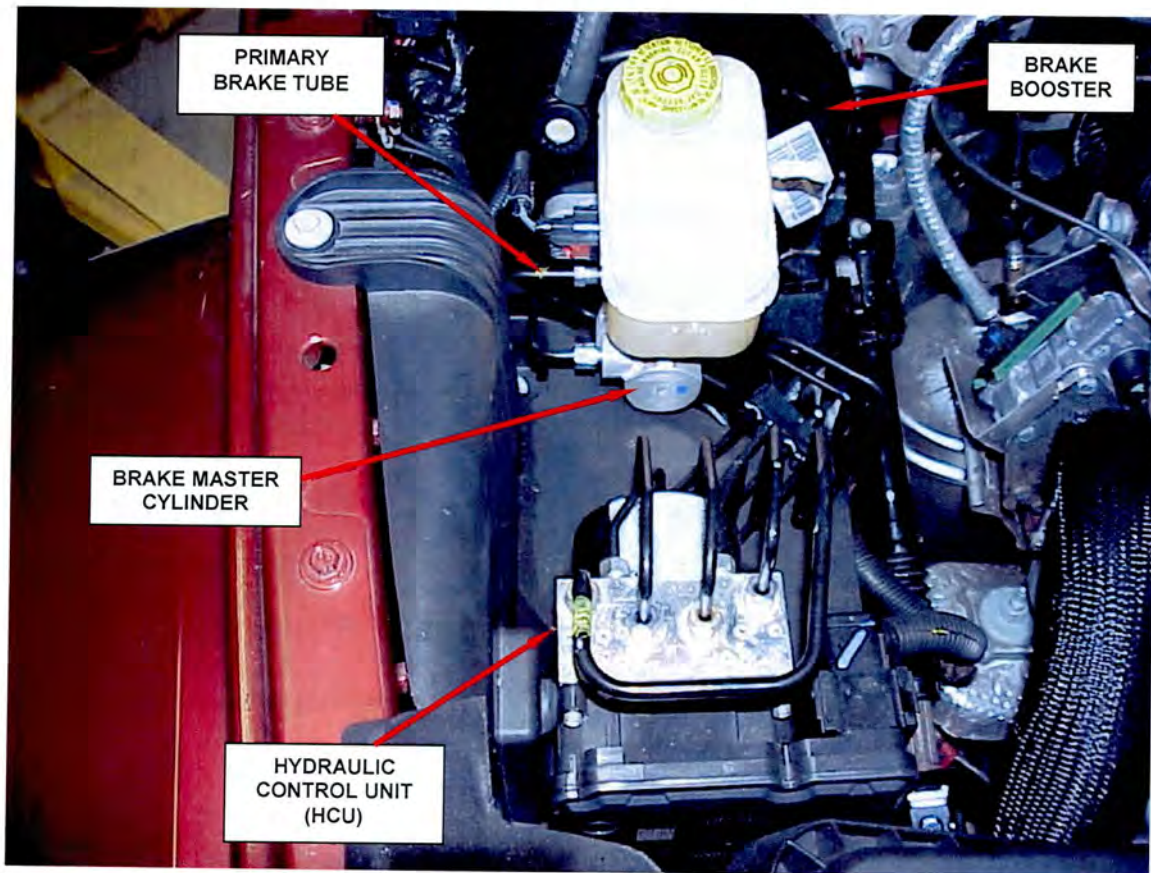


Figure 3 – Component Location

Service Procedure (Continued)

6. Remove the primary brake tube from the vehicle.

CAUTION: Use extreme care not to allow brake fluid to spill while removing the brake tube.

7. Discard the old brake tube.

8. Place the new primary brake tube into position.

9. Connect the primary brake tube nut to the HCU. Hand tighten the tube nut.

10. Connect the primary brake tube nut to the master cylinder. Hand tighten the tube nut.

11. Tighten the primary brake tube nut at the master cylinder to 170 in. lbs. (19 N·m).

12. Connect the brake fluid level switch at the brake fluid reservoir.

13. Tighten the primary brake tube nut at the HCU until snug.

14. Remove the brake pedal prop rod.

15. Bleed the brake system using the following procedure:

a. Fill the master cylinder reservoir with DOT 3 brake fluid.

b. Have an assistant pump the brake pedal several times and then press and hold the brake pedal down.

c. While the assistant is holding the brake pedal down, loosen the primary HCU brake tube nut $\frac{1}{4}$ turn for two seconds and then retighten the tube nut.

16. After the primary circuit has been bled, tighten the HCU brake tube nut to 170 in. lbs. (19 N·m).

17. Check brake fluid level and add DOT 3 brake fluid as required.

18. Verify that there are no brake fluid leaks and that the brakes operate properly.

19. Connect the negative battery cable.

Service Procedure**D. KA (Dodge Nitro) Brake Tube Replacement**

1. Open the hood and disconnect the negative battery cable.
2. 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 tubes from the master cylinder to the Hydraulic Control Unit (HCU).

3. Disconnect the brake fluid level switch at the brake fluid reservoir.
4. Disconnect the primary brake tube at the master cylinder (Figure 4).
5. Disconnect the primary brake tube at the HCU (Figure 4).

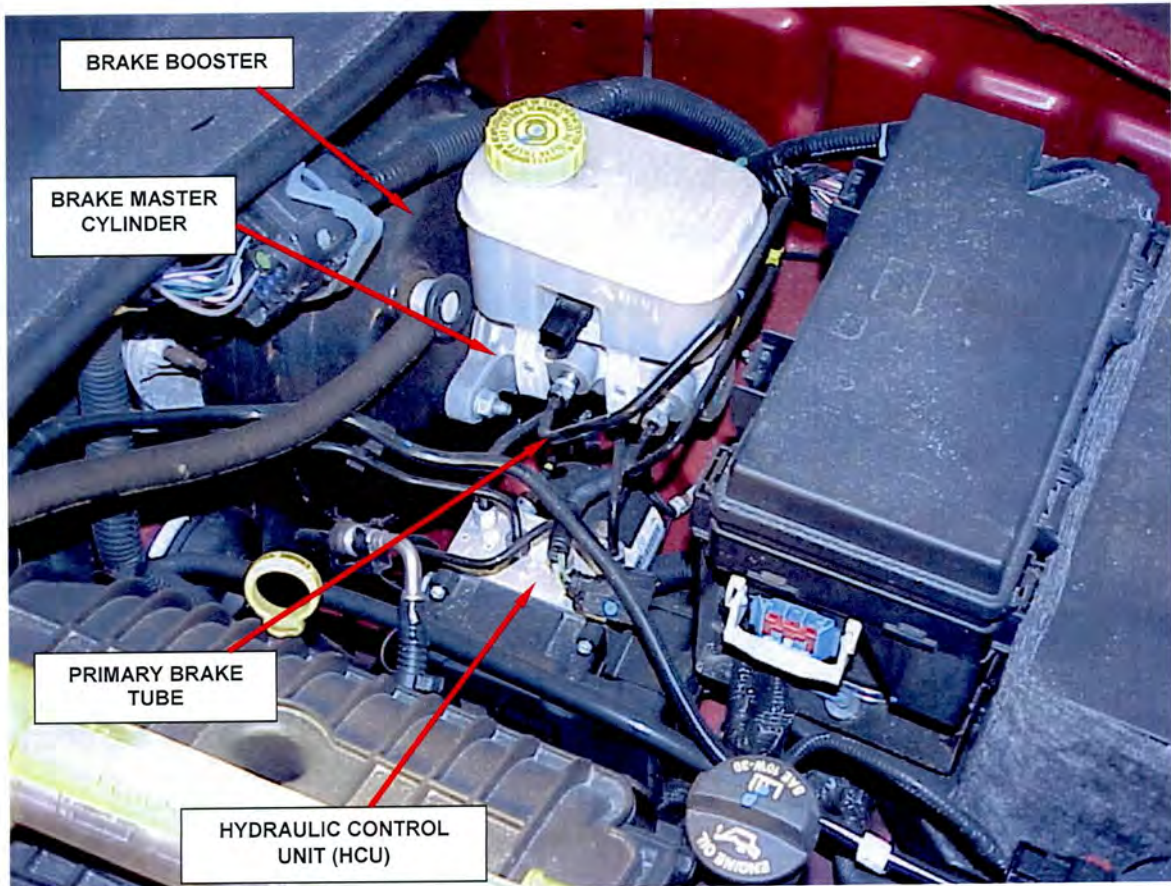


Figure 4 – Component Location

Service Procedure (Continued)

6. Remove the primary brake tube from the vehicle.
CAUTION: Use extreme care not to allow brake fluid to spill while removing the brake tube.
7. Discard the old brake tube.
8. Place the new primary brake tube into position.
9. Connect the primary brake tube nut to the HCU. Hand tighten the tube nut.
10. Connect the primary brake tube nut to the master cylinder. Hand tighten the tube nut.
11. Tighten the primary brake tube nut at the master cylinder to 170 in. lbs (19 N·m).
12. Connect the brake fluid level switch at the brake fluid reservoir.
13. Tighten the primary brake tube nut at the HCU until snug.
14. Remove the brake pedal prop rod.
15. Bleed the brake system using the following procedure:
 - a. Fill the master cylinder reservoir with DOT 3 brake fluid.
 - b. Have an assistant pump the brake pedal several times and then press and hold the brake pedal down.
 - c. While the assistant is holding the brake pedal down, loosen the primary HCU brake tube nut $\frac{1}{4}$ turn for two seconds and then retighten the tube nut.
16. After the primary circuit has been bled, tighten the HCU brake tube nut to 170 in. lbs. (19 N·m).
17. Check brake fluid level and add DOT 3 brake fluid as required.
18. Verify that there are no brake fluid leaks and that the brakes operate properly.
19. Connect the negative battery cable.

Service Procedure (Continued)**E. KK (Jeep Liberty) Brake Tube Replacement**

1. Open the hood and disconnect the negative battery cable.
2. 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 tubes from the master cylinder to the Hydraulic Control Unit (HCU).

3. Disconnect the brake fluid level switch at the brake fluid reservoir (Figure 5).
4. Disconnect the primary brake tube at the master cylinder (Figure 5).
5. Disconnect the primary brake tube at the HCU (Figure 5).

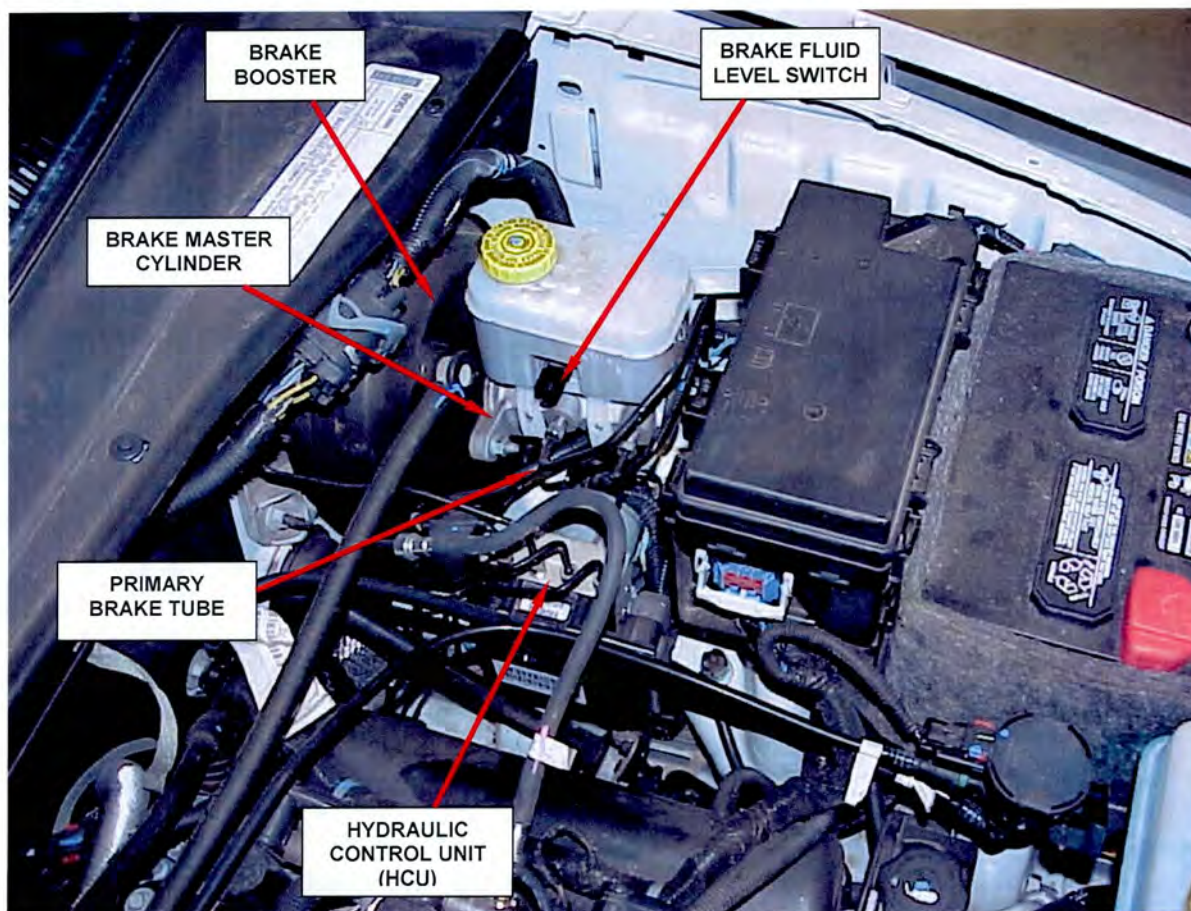


Figure 5 – Component Location

Service Procedure (Continued)

6. Remove the primary brake tube from the vehicle.
CAUTION: Use extreme care not to allow brake fluid to spill while removing the brake tube.
7. Discard the old brake tube.
8. Place the new primary brake tube into position.
9. Connect the primary brake tube nut to the HCU. Hand tighten the tube nut.
10. Connect the primary brake tube nut to the master cylinder. Hand tighten the tube nut.
11. Tighten the primary brake tube nut at the master cylinder to 170 in. lbs. (19 N·m).
12. Connect the brake fluid level switch at the brake fluid reservoir.
13. Tighten the primary brake tube nut at the HCU until snug.
14. Remove the brake pedal prop rod.
15. Bleed the brake system using the following procedure:
 - a. Fill the master cylinder reservoir with DOT 3 brake fluid.
 - b. Have an assistant pump the brake pedal several times and then press and hold the brake pedal down.
 - c. While the assistant is holding the brake pedal down, loosen the primary HCU brake tube nut $\frac{1}{4}$ turn for two seconds and then retighten the tube nut.
 - d. Repeat Steps 15a. through 15c. until all air is removed from the hydraulic circuit.
16. After the primary circuit has been bled, tighten the HCU brake tube nut to 170 in. lbs. (19 N·m).
17. Check brake fluid level and add DOT 3 brake fluid as required.
18. Verify that there are no brake fluid leaks and that the brakes operate properly.
19. Connect the negative battery cable.

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:

	Labor Operation Number	Time Allowance
Replace brake tube(s) and bleed brakes		
(DS) Ram Truck 1500	05-K1-51-82	0.5 hours
(JK) Jeep Wrangler (LHD)	05-K1-51-83	0.3 hours
(JK) Jeep Wrangler (RHD)	05-K1-51-84	0.3 hours
(KA) Dodge Nitro	05-K1-51-85	0.3 hours
(KK) Jeep Liberty	05-K1-51-86	0.3 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
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