

SAFETY RECALL

2003-2004 ST1300/A

Linked Braking System (LBS) Proportional Control Valve (PCV) Leakage

American Honda is conducting a Safety Recall to inspect the Linked Braking System (LBS) proportional control valve (PCV) on affected 2003-2004 ST1300/A models.

The PCV could develop a leak. Over time, the leak could result in a total loss of brake fluid in the rear brake system. If the motorcycle continues to be used after a leak occurs, the rear brake would eventually become inoperative. In the worst case, a loss of rear brake force may cause a crash without warning.

All affected units will have the PCV inspected and replaced as required.

AFFECTED UNITS

2003 ST1300

JH2SC511*3M100902 thru JH2SC511*3M101443

2003 ST1300A

JH2SC514*3M100002 thru JH2SC514*3M100798

2004 ST1300

JH2SC510*4M200001 thru JH2SC510*4M201352

2004 ST1300A

JH2SC513*4M200001 thru JH2SC513*4M200808

(*) denotes check digit.

CUSTOMER NOTIFICATION

American Honda is sending a letter to owners of all affected 2003-2004 ST1300/A models, advising them to take their motorcycle to a Honda motorcycle dealer to have the Safety Recall procedure performed.

Your assistance is needed to ensure your ST1300/A customers are informed of this Safety Recall. A copy of the customer letter is reproduced on page 5 of this Service Bulletin.

DEALER INVENTORY

According to federal law, these units cannot be sold until they are repaired. Refer to the REPAIR PROCEDURE section of this Service Bulletin.

INSPECTION/REPAIR VERIFICATION

Before you begin the inspection/repair procedure, check if the inspection/repair has been performed on the unit. See the IDENTIFICATION section of this Service Bulletin for more details.

- If there is a punch mark on the VIN plate, the unit has been inspected/repared and no further action is required.

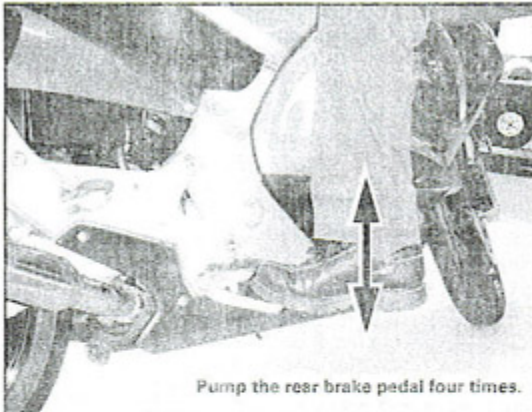
- If there is no punch mark on the VIN plate, the unit has not been inspected/repaired, and you must proceed to the INSPECTION/REPAIR PROCEDURE section of this Service Bulletin.

NOTE: Verification of the repair can also be found in the *Dealer Responsibility Report* and on *iN*. If you have any questions about repair verification, please contact your DSM or TechLine at (800) 421-1900 before proceeding.

INSPECTION/REPAIR PROCEDURE

Before beginning these procedures, place the motorcycle on a firm, level surface where it will not be disturbed.

1. Pump the rear brake pedal four times.
 - If the brake pedal feels spongy, bleed the brake system per the Service Manual. After verifying proper brake system operation, proceed to step 2 below.
 - If the brake pedal does not feel spongy, proceed to step 2 below.



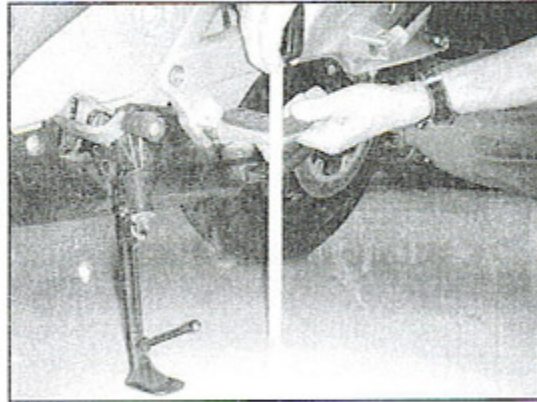
2. Place the motorcycle on its side stand, with the handlebars in the **full left position**. Lock the handlebars.
3. Measure the height from the ground to the top of the **left metal footpeg surface**.

Standard Length: 242 mm or greater

- If the height is **less than 242 mm**, adjust the height to the standard length by plac-

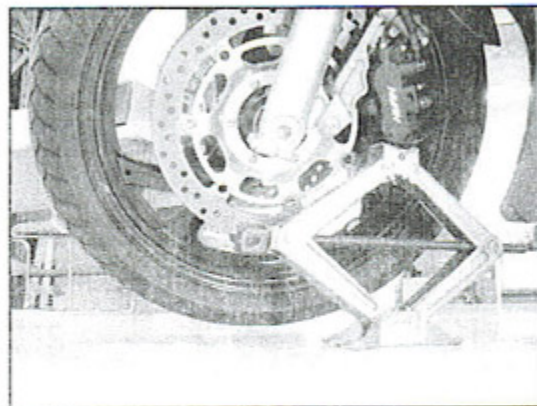
ing a suitable object under the side stand. After adjusting the height, proceed to step 4 below.

- If the height is **242 mm or greater**, proceed to step 4 below.



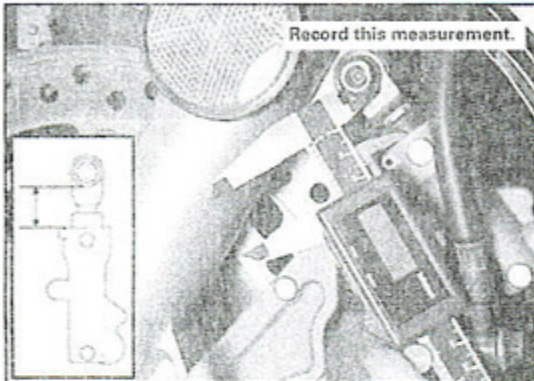
4. Place a scissor jack directly under the left front brake caliper as shown. To avoid damage to the caliper, place a protective piece of rubber (such as a piece of inner tube) between the caliper and the jack.

Wind up the jack until the front wheel is approximately 15 mm off the ground.

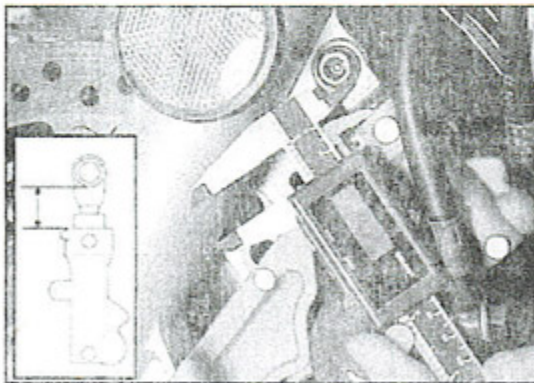


5. Measure the distance from the secondary master cylinder piston mounting bolt to the edge of the secondary master cylinder body (rod length of the secondary master cylinder). **Record this measurement.**

- If the measured length is **13.8 mm**, replace the PCV per the Service Manual. (This length indicates the unit's secondary master cylinder is fully stroked, which means there is no hydraulic brake pressure acting on the PCV.) After replacing the PCV, proceed to the IDENTIFICATION section of this Service Bulletin.
- If the measured length is **longer than 13.8 mm**, proceed to step 6 below.



6. Wait 30 minutes. Do not disturb the motorcycle in any way during this time.



7. Measure the distance again from the secondary master cylinder piston mounting bolt to the edge of the secondary master cylinder body (rod length of the secondary master cylinder).

- If the measurement has **decreased more than 1 mm** from the measurement you recorded, proceed to step 8 below.
 - If the measurement is within **1 mm** of the measurement you recorded, the PCV is OK. Proceed to the IDENTIFICATION section of this Service Bulletin.
8. Check the PCV for leakage.
- If the PCV is leaking, replace the PCV per the Service Manual procedure. After replacing the PCV, proceed to the IDENTIFICATION section of this Service Bulletin.
 - If the PCV is not leaking, you must diagnose the brake system problem before proceeding.

After you have diagnosed and repaired the brake system, proceed to the IDENTIFICATION section of this Service Bulletin.

NOTE: Any brake system problem not related to the PCV that is found while performing this Service Bulletin is not covered by this Safety Recall. If the motorcycle's original factory warranty is still in effect or under HPP, file a normal warranty claim. If the unit is outside its factory warranty period or HPP coverage, contact TechLine for goodwill consideration.

IDENTIFICATION

9. Verify proper front and rear brake operation before riding by **pumping the front brake lever and rear brake pedal**.

Make a punch mark in front of the first character of the VIN as shown. The VIN is located on the right side of the steering stem.

Make punch mark here.

