



Service Bulletin

American Honda Motor Co., Inc.

2002 CBR954RR Product Update Campaign Steering Stem and Bearings

American Honda's Motorcycle Division is conducting a Product Update Campaign to replace the steering stem components on the 2002 model year CBR954RR. Replacement components are being made available to enhance handling during high speed use such as closed-course competition on a racetrack.

AFFECTED UNITS

2002 CBR954RR models as follows:

49 state:

JH2SC500*2M000001 to JH2SC500*2M008723

CA model:

JH2SC501*2M000001 to JH2SC501*2M001587

Follow the UPDATE and IDENTIFICATION procedures in this bulletin.

CUSTOMER NOTIFICATION

American Honda is sending a letter to owners of all 2002 model year CBR954RRs, informing them that they are entitled to receive this update at no cost. They will be instructed to call and make an appointment to have the update performed. For your reference, the text of the customer letter is reproduced on page 5 of this bulletin.

INSPECTION

Before you begin the update, check for a punch mark at the beginning of the VIN on the steering head area of the frame (see the IDENTIFICATION section on page 3).

If there is a punch mark, the unit has been updated and no further action is necessary.

If there is no punch mark, follow the UPDATE PROCEDURE.

UPDATE PROCEDURE

1. Remove the steering head bearings and races from the frame (Service Manual, pages 13-26 through 13-31).
Make sure to use the USA only tools and procedures on page 13-30.
2. Install the steering head bearing outer races using *only* the special tools listed below:
Important: Do not use installer attachments A and B from the bearing removal procedure.

Tools:

- Main bearing driver attachment,
T/N: 07946-ME90200
- Fork seal driver weight,
T/N: 07947-KA50100
- Oil seal driver,
T/N: 07965-MA60000
- Installer shaft,
T/N: 07VMF-KZ30200
- Attachment - 42 mm x 47 mm,
T/N: 07746-0010300
- Attachment - 52 mm x 55 mm,
T/N: 07746-0010400
- Steering stem socket,
T/N: 07916-3710100
- Spring Scale,

(Order through Honda Tool and Equipment Program, ph: (888) 424-6857)

T/N: SAM-IN-12MRP

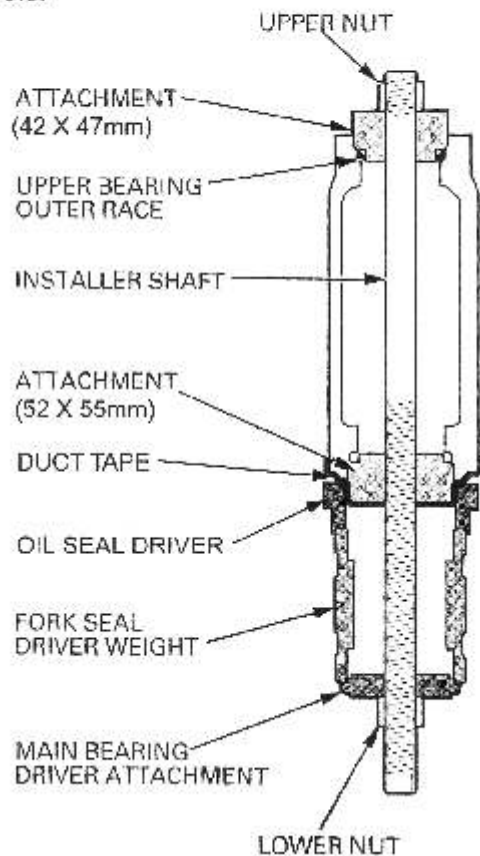
CUSTOMER INFORMATION: The information in this bulletin is intended for use only by skilled technicians who have the proper tools, equipment, and training to correctly and safely maintain your Honda. These procedures should not be attempted by do-it-yourselfers, and you should not assume this bulletin applies to your Honda, or that your Honda has the condition described. To determine whether this information applies, contact an authorized Honda dealer.

3. Install a new upper bearing outer race with the special tools as shown. While holding the installer shaft with a wrench, turn the lower nut gradually until the race is fully seated.

NOTICE

Make sure the upper attachment (42 mm x 47 mm) is centered over the upper bearing outer race as you tighten the tool assembly. Failure to properly center the attachment may damage the frame or bearing race.

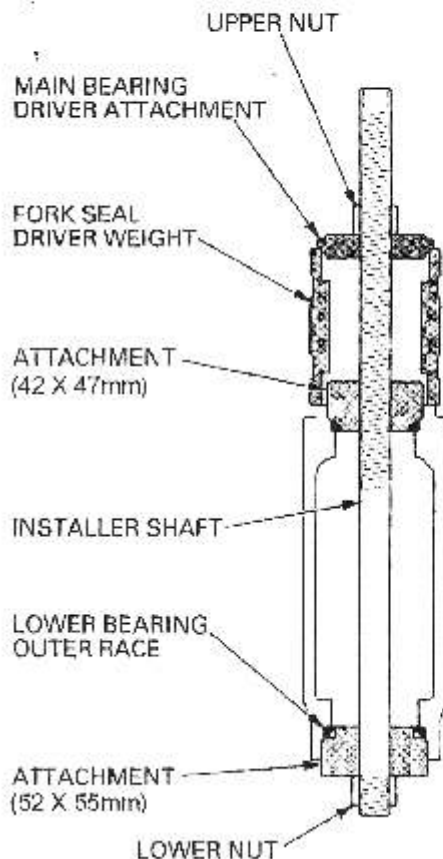
Tip: Use a piece of duct tape to capture the bottom attachment (52 mm x 55 mm) into the frame while you finish assembling the special tools.



4. Install a new lower bearing outer race with the special tools as shown. While holding the installer shaft with a wrench, turn the lower nut gradually until the race is fully seated.

NOTICE

Make sure the lower attachment (52 mm x 55 mm) is centered under the lower bearing outer race as you tighten the tool assembly. Failure to properly center the attachment may damage the frame or bearing race.



5. Apply wheel bearing grease to the upper and lower bearings and bearing races.
6. Install the lower bearing on the new steering stem.
7. Insert the new steering stem into the steering head.
8. Install the upper bearing, inner race and dust seal.
9. Apply oil to the bearing adjustment nut threads. Install and tighten the stem bearing adjusting nut to the *initial* torque.

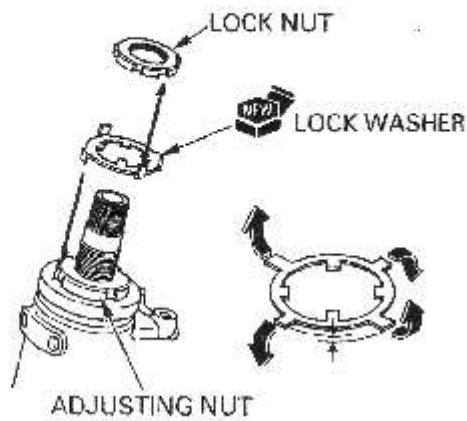
Torque: 33 N·m (3.4 kgf·m, 24 lbf·ft)

10. Move the steering stem left to right, lock to lock, five times to seat the bearings. Make sure the steering stem moves smoothly, without play or binding; then loosen the bearing adjusting nut.
11. Retighten the bearing adjusting nut to the specified torque. After torquing, check that the steering stem moves freely without play or binding.

Torque: 33 N·m (3.4 kgf·m, 24 lbf·ft)

12. Install the new lock washer on the steering stem. Align the tabs of the lock washer with the slots in the adjusting nut and bend two opposite tabs down into the slots.
13. Install and finger tighten the lock nut. Hold the adjusting nut and further tighten the lock nut within 1/4 turn, enough to align its slots with the lock washer tabs.

Bend the lock washer tabs up into the lock nut slots.

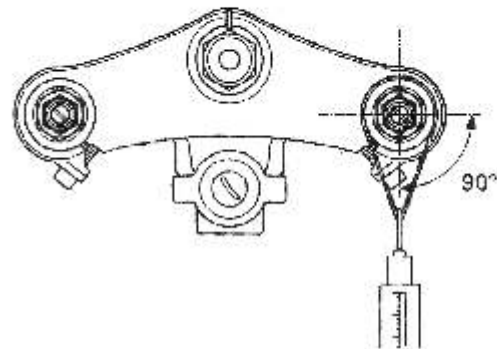


14. Install the following:
 - handlebar (Service Manual page 13-6)
 - fork legs (Service Manual page 13-25)
15. Install the top bridge and steering stem nut. Tighten the steering stem nut to the specified torque.

Torque: 103 N·m (10.5 kgf·m, 76 lbf·ft)

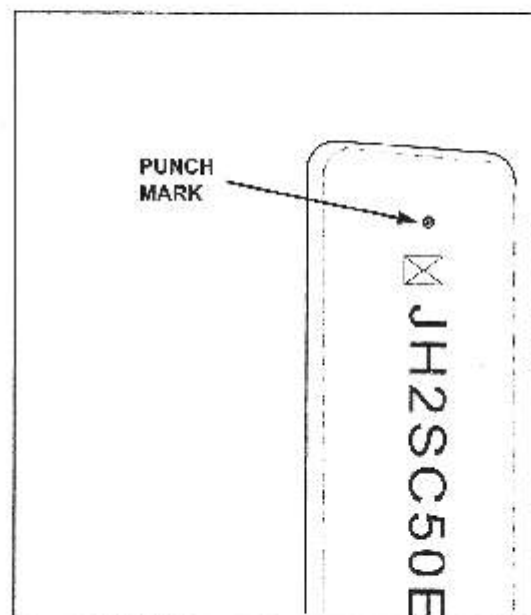
16. Install the following:
 - front brake lines and calipers (if removed)
 - front wheel (Service Manual page 13-14)
 - front fender (Service Manual page 2-14)
 - upper cowl (Service Manual page 2-6)

17. Check the steering head bearing preload:
 - Jack and support the front wheel off the ground.
 - Position the steering to the straight ahead position.
 - Hook a spring scale (T/N: **SAM-IN-12MRP**) to the fork tube as shown and measure the amount of force required to deflect the steering from the straight ahead position.
 - The force should be within 19-23 N (1.9 - 2.3 kgf). If the reading does not fall within the range, lower the front wheel to the ground and adjust the steering bearing adjusting nut.



IDENTIFICATION

Make a punch mark at the beginning of the VIN on the frame as shown. This will indicate that the Product Update has been performed on this unit.



**CBR954RR #1
MAY 2002**

PARTS INFORMATION

You do not need to order this kit. Initial parts kits will be automatically allocated by American Honda based on the number of units invoiced to your dealership. You will be notified when kits are available for open ordering.

Steering Stem and Bearing Kit:

P/N 04100-MCJ-305

H/C 7200983

(this kit includes all parts necessary to perform this Product Update)

- Steering stem sub assembly
P/N: 53219-MCJ-751
- Upper head pipe bearing
P/N: 91015-KT8-005
- Steering stem adjust nut
P/N: 53220-MW0-000
- Steering stem lock nut
P/N: 90302-425-830
- Lock washer
P/N: 90506-425-830
- Steering stem flange nut
P/N: 90304-MJ4-670

WARRANTY INFORMATION

This Product Update Campaign will end on June 3, 2004.

Normal warranty claim submission requirements apply. Submit one warranty claim per unit with the following information only:

Template: L57A

Hours: 1.5

Parts: 04100-MCJ-305

TEXT OF CUSTOMER LETTER

June 2002

Dear 2002 CBR954RR Owner:

RE: Product Update Campaign

American Honda's Motorcycle Division is conducting a Product Update Campaign to replace the steering stem components on 2002 model year CBR954RR's. Our records indicate that you own one of these motorcycles.

Replacement components are now available to enhance handling during high-speed use such as closed-course competition on a racetrack.

If you use your motorcycle at high-speeds, such as closed-course competition use, please contact your nearest authorized Honda motorcycle dealer and make an appointment to have the steering stem components replaced. The dealer will replace the parts at no cost to you. Please plan to leave your motorcycle at the dealer for at least half a day to allow for dealer scheduling.

This Product Update Campaign ends June 3, 2004. You must have your CBR954RR updated prior to this date; after this date your motorcycle will no longer be eligible to have this update performed free of charge.

If you have moved or no longer own your 2002 CBR954RR, please take a moment to complete and mail the enclosed Information Change Card so we can update our records.

If you have questions about this campaign, please call Motorcycle Customer Service at (310) 532-9811.

We apologize for any inconvenience this may cause you.

Thank you for your CBR954RR purchase.

Sincerely,

**American Honda Motor Co., Inc.
Motorcycle Division**