**BULLETIN DE SERVICE**

**HONDA**

**SERVICE BULLETIN**

| MODEL/YEAR<br>MODÈLE /ANNÉE | DATE OF ISSUE<br>DATE EN VIGUEUR | BULLETIN NUMBER<br>NUMÉRO DU BULLETIN |
|---|---|---|
| ***2006-07<br>CIVIC*** | ***SEPT. 11, 2007*** | ***VIII-9-07*** |

## *SAFETY RECALL: REAR ABS WHEEL SPEED SENSOR & O-RING INSPECTION*

During manufacturing of some 2006-2007 Civics, a rear ABS wheel speed sensor may have been improperly installed, damaging the O-ring. This can allow water to enter the rear knuckle / hub bearing unit and corrode the hub bearing, which may result in bearing noise or seizure. To correct the problem, use the repair procedure below to *inspect both rear ABS wheel speed sensors and their O-rings*. If an ABS wheel speed sensor or O-ring is damaged, replace the damaged part and the hub bearing unit on that wheel.

**AFFECTED VEHICLES:**

2006 Civic 2 door……*from* 2HGFG1***6H000002….. …. *up to* 2HGFG1***6H016186
2006 Civic 2 door Si…….. *from* 2HGFG215*6H100001…. …..*up to* 2HGFG215*6H101548
2006 Civic 4 door……*from* 2HGFA1***6H000001……..*up to* 2HGFA1***6H039749
2007 Civic 2 door……*from* 2HGFG1***7H000001….. …..*up to* 2HGFG1***7H006541
2007 Civic 2 door Si…….. *from* 2HGFG215*7H100001……..*up to* 2HGFG215*7H100452
2007 Civic 4 door……*from* 2HGFA1***7H000001……..*up to* 2HGFA1***7H021722

*Be sure to perform a **VIN 'Owner Name and Address Inquiry'*** prior to performing any work under this recall. If the vehicle **does not** appear with campaign code **K69** on the ***'Owner Name and Address Inquiry'***, it is not affected by this recall, or the recall has already been completed.

**CUSTOMER NOTIFICATION:**

All owners of affected vehicles will be sent a notification of this Safety Recall. An example of the letter is provided at the end of this Service Bulletin.

**REPAIR PROCEDURE:**

1. Raise the vehicle on a lift.
2. Remove the rear wheels.
3. Remove both rear ABS wheel speed sensors.
4. Inspect the rear ABS wheel speed sensors ***and*** **their O-rings**.

**Examples of damaged O-rings**

**Cut O-ring** **Pinched O-ring**

**Example of good O-ring & good sensor**

A. If the rear ABS wheel speed sensors have any physical damage to the casing, disconnect the sensor assembly, and discard, connect a new sensor (but do not reinstall) and replace the corresponding rear hub bearing unit(s) referring to page 18-34 (vehicles with disc brakes) or 18-36 (vehicles with drum brakes) of the *2006–2007 Civic Service Manual,* or

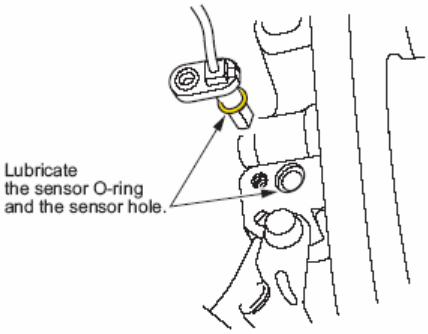
- In eBiz under **SERVICE INFORMATION**, select the following sequence:
  - ✓ **Service Manuals/Bulletins**
  - ✓ **Service Manual**
  - ✓ **2006-07**
  - ✓ **Civic**
  - ✓ **Suspension**
  - ✓ **Rear Suspension**
  - ✓ **Knuckle/Hub Bearing Unit Replacement**

  Then go to step 5.

B. If the rear ABS wheel speed sensors **O-rings** are damaged (cut, torn, pinched, or flattened), replace the O-ring (but do not reinstall) and the corresponding rear hub bearing unit(s), refer to page 18-34 (vehicles with disc brakes) or 18-36 (with drum brakes) of the *2006–2007 Civic Service Manual* (see above). Then go to step 5.

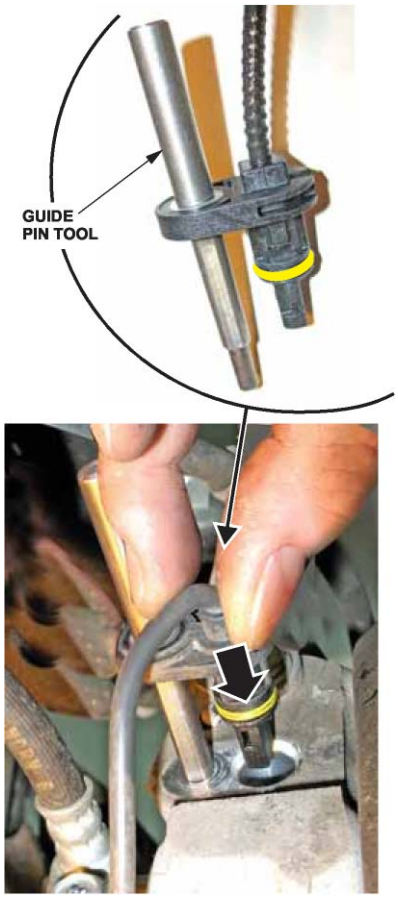
C. If the rear ABS wheel speed sensors and their O-rings are OK, go to step 5.

5. Lubricate the ABS wheel speed sensor O-ring and the sensor hole in the knuckle with multi-purpose grease.




6. Insert the guide pin tool into the ABS wheel speed sensor bolt hole until the shoulder of the tool contacts the ABS wheel speed sensor bracket.

   **NOTE:** To prevent O-ring damage, the ABS wheel speed sensor **must** be installed with the guide pin tool.

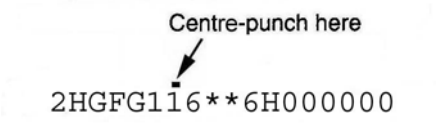



7. Insert the ABS wheel speed sensor and the guide pin into the knuckle assembly.

   **NOTE:** To ensure proper alignment when pushing the ABS wheel speed sensor into the knuckle housing, do not hold the sensor bracket during installation; hold the sensor wire.

8. Gently push and pull the ABS wheel speed sensor in and out to make sure the O-ring is rolling properly in its groove. While you're doing this, make sure the sensor doesn't come out of the knuckle assembly. If the rolling effort is too high, remove the ABS wheel speed sensor and start the installation process over again.
9. Remove the guide pin tool.
10. Reinstall the bolt, and torque it to **9.8 N•m (7.2 ft-lb).**
11. Repeat steps 5 thru 10 to install the other rear ABS wheel speed sensor.
12. Install the rear wheels, and lower the vehicle.

13. Centre-punch a completion mark above the 7th character of the engine compartment VIN.




**PARTS INFORMATION:**

| *Part Number* | *Description* | *Qty* |
|---|---|---|
| 42200-SNA-952 | Wheel bearing (drum) | 1 |
| 42200-SNA-A51 | Wheel bearing (disc) | 1 |
| 57477-SNE-A01 | 'O' ring | 1 |
| 57470-SNE-A01 | Sensor, ABS R/S | 1 |
| 57475-SNE-A01 | Sensor, ABS L/S | 1 |
| Commercially Available | Grease, multi-purpose (FRT includes allowance) | |

**NOTE:** An automatic parts allocation will be shipped to each dealer for each of the first three (3) part numbers.

**TOOLS INFORMATION:**

| *Part Number* | *Description* | *Qty* |
|---|---|---|
| 07AAG-SVBA100 | Insert tool, ABS Sensor | 1 |

**NOTE:** This tool will be allocated to each dealer.

**WARRANTY INFORMATION:**

Use the following information to complete the warranty claim:

| ***Labour Operation Number*** | ***Description*** | ***Flat Rate Time*** |
|---|---|---|
| 413505 | Inspect both left & right side rear wheel ABS speed sensor and O-rings | 0.3 hr |
| A | Add to replace the rear ABS wheel speed sensor (1 side only) | 0.2 hr |
| B | Add to replace the rear ABS wheel speed sensor (both sides) | 0.4 hr |
| C | Add to replace the rear ABS wheel speed sensor 'O' ring (1 side only) | 0.1 hr |
| D | Add to replace the rear ABS wheel speed sensor 'O' ring (both sides) | 0.2 hr |
| E | Add to replace the rear wheel bearing (1 side only) | 0.5 hr |
| F | Add to replace the rear wheel bearing (both sides) | 1.0 hr |

Defective P/N : 42200-SNA-A51

Defect Code : 5FX

Contention Code : **K69**

**CUSTOMER NOTIFICATION:**
Example of a customer letter.


Sept. 2007

**Safety Recall: Rear Wheel Bearing**

Dear Honda Civic Owner:

We are sending this letter to notify you of a Safety Recall affecting your vehicle.

***What is the problem?***

In certain 2006-07 model year Civic vehicles equipped with the anti-lock brake systems (ABS), the ABS module uses wheel speed sensors located on each wheel hub assembly. Some wheel sensors may have been improperly installed and do not seal the hub assembly. Water may enter the hub assembly and damage the wheel bearing. In areas where road salt is used, the wheel bearings may corrode which may cause the wheel to separate and fall off, increasing the risk of a crash.

***What should you do?***

Contact your Honda dealer to schedule an appointment to have your vehicle inspected and if required, repaired at a convenient time for you. This will also allow your dealer to give you an idea how long they will require your vehicle – usually less than a day – to perform the inspection and possible repair. The dealer will inspect and if required, repair your vehicle *free of charge*.

***Who to contact if you experience problems:***

If the dealer fails or is unable to make the necessary repairs free of charge, you may contact Honda Canada's Customer Relations Department at the telephone number or address below.

If you need assistance with locating a Honda dealer, please contact Honda Canada's Customer Relations Department at the telephone number or address below, or visit our website at www.honda.ca.

***What to do if our information is incorrect:***

This notice was mailed to you according to the most current information we have available. If you no longer own this vehicle, or some information in this notice is incorrect, please fill out and return the included postage paid *Information Change Card* or forward this notice to the new owner if possible.

Thank you for your co-operation. We apologize for any inconvenience this may cause you.

Sincerely,

Jim Miller
Executive Vice-President
Automobile Division

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