


 Applies To: **See VEHICLES AFFECTED**
**March 19, 2008**

## Safety Recall: Rear ABS Wheel Speed Sensor and O-Ring Inspection

(Supersedes 07-055, dated September 20, 2007, to update the information marked by the black bars)

### BACKGROUND

During assembly, some wheel speed 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.

### VEHICLES AFFECTED

2006 Civic 2-door:

From VIN 2HGFG1...6H500009 thru  
2HGFG1...6H584624

2006 Civic 2-door Si:

From VIN 2HGFG2.5.6H700004 thru  
2HGFG2.5.6H713846

2006 Civic 4-door:

From VIN 1HGFA1...6L000001 thru  
1HGFA1...6L154107  
2HGFA1...6H500005 thru  
2HGFA1...6H528911

2006 Civic GX (CNG):

From VIN 1HGFA4...6L000027 thru  
1HGFA4...6L000356

2007 Civic 2-door:

From VIN 2HGFG1...7H500001 thru  
2HGFG1...7H539744

2007 Civic 2-door Si:

From VIN 2HGFG2.5.7H700001 thru  
2HGFG2.5.7H706051

2007 Civic 4-door:

From VIN 1HGFA1...7L000001 thru  
1HGFA1...7L107641  
2HGFA1...7H500001 thru  
2HGFA1...7H502258

2007 Civic 4-door Si:

From VIN 2HGFA5...7H700001 thru  
2HGFA5...7H707417

2007 Civic GX (CNG):

From VIN 1HGFA4...7L000002 thru  
1HGFA4...7L000721

### CUSTOMER NOTIFICATION

All owners of affected vehicles will be sent a notification of this campaign. An example of the customer notification is at the end of this service bulletin.

Before beginning work, verify vehicle eligibility by checking at least one of these items:

- The customer has a notification letter.
- The vehicle is shown as eligible on a VIN status inquiry.

In addition to these verification items, check for a punch mark below the seventh character of the engine compartment VIN. A punch mark in that location means the ABS wheel speed sensor and O-ring have been inspected and, if necessary, replaced.

Some vehicles affected by this campaign may be in your new vehicle inventory. **According to federal law, these vehicles cannot be sold or leased until they are repaired.** To see if a vehicle is affected by this campaign, do a VIN status inquiry before selling it.

### CORRECTIVE ACTION

Inspect both rear ABS wheel speed sensors and their O-rings.

- If an ABS wheel sensor O-ring is damaged, replace **only** the O-ring and the hub bearing unit on that side.
- If an ABS wheel sensor is damaged, replace the sensor and the hub bearing unit on that side.

### PARTS INFORMATION

Rear Hub Bearing Unit:

Disc brakes – P/N 42200-SNA-A51, H/C 8048787  
Drum brakes – P/N 42200-SNA-952, H/C 8058869

ABS Wheel Speed Sensor O-ring:

P/N 57477-SNE-A01, H/C 8813537

Rear ABS Wheel Speed Sensor:

Driver's side – P/N 57475-SNE-A01, H/C 8051187  
Passenger's side –  
P/N 57470-SNE-A01, H/C 8051179

NOTE: Damage to the ABS wheel sensors is rare. Order them **only** when needed.

### REQUIRED SPECIAL TOOLS

Guide Pin Tool - T/N 07AAG-SVBA100

## WARRANTY CLAIM INFORMATION

OP#	Description	FRT
413505	Inspect both rear ABS wheel speed sensors and O-rings.	0.3
G	Add to replace one rear ABS wheel speed sensor O-ring and rear hub bearing unit.	0.6
H	Add to replace both rear wheel ABS wheel sensor O-rings and rear hub bearing units.	1.2
J	Add to replace one rear ABS wheel speed sensor assembly and rear hub bearing unit.	0.7
K	Add to replace both rear ABS wheel speed sensor assemblies and rear hub bearing units.	1.4

Failed Part: P/N 42200-SNA-A51  
H/C 8048787

Defect Code: 5FX00

Symptom Code: Q5600

Skill Level: Repair Technician

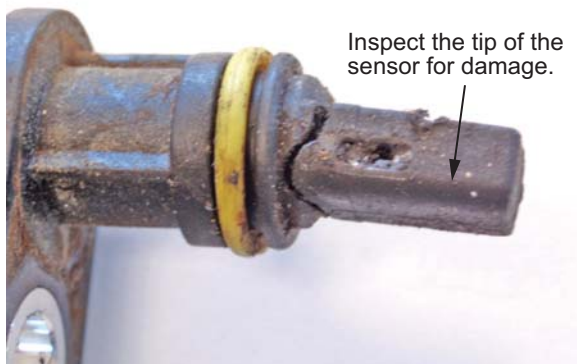
### REPAIR PROCEDURE

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 for damage.

#### GOOD, UNDAMAGED SENSOR:



#### EXAMPLE OF DAMAGED SENSOR:



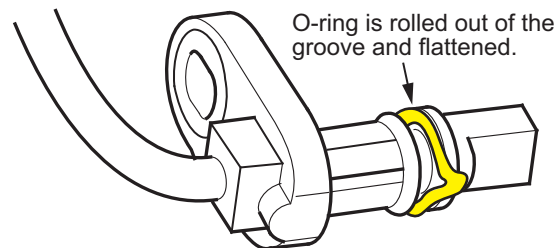
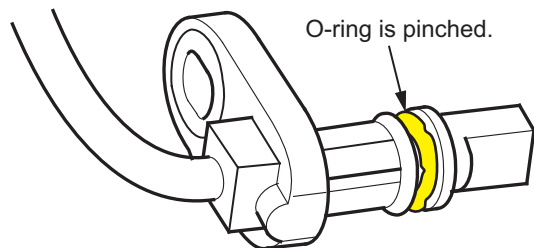
If the tip of a sensor has any damage, do this:

- Replace the corresponding rear hub bearing unit(s):
  - Refer to page 18-34 (with disc brakes) or 18-35 (with drum brakes) of the *2006–2008 Civic Service Manual*, or
  - Online, enter keyword **HUB**, then select **Rear Knuckle/Hub Bearing Unit Replacement** from the list.
- Remove the damaged sensor, and connect the new sensor to the wire harness.
- Go to step 6 to install the new ABS wheel speed sensor.

If the tips of the sensors are OK, go to step 5.

5. Inspect the ABS wheel speed sensor O-rings:

#### DAMAGED O-RINGS:

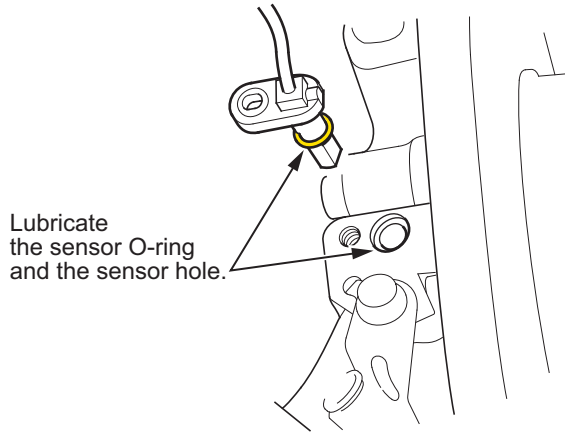


If a sensor O-ring is pinched or damaged, do this:

- Replace the corresponding rear hub bearing unit(s):
  - Refer to page 18-34 (with disc brakes) or 18-35 (with drum brakes) of the *2006–2008 Civic Service Manual*, or
  - Online, enter keyword **HUB**, then select **Rear Knuckle/Hub Bearing Unit Replacement** from the list.
- Replace the damaged O-ring on the original sensor.
- Go to step 6 to reinstall the original ABS wheel speed sensor.

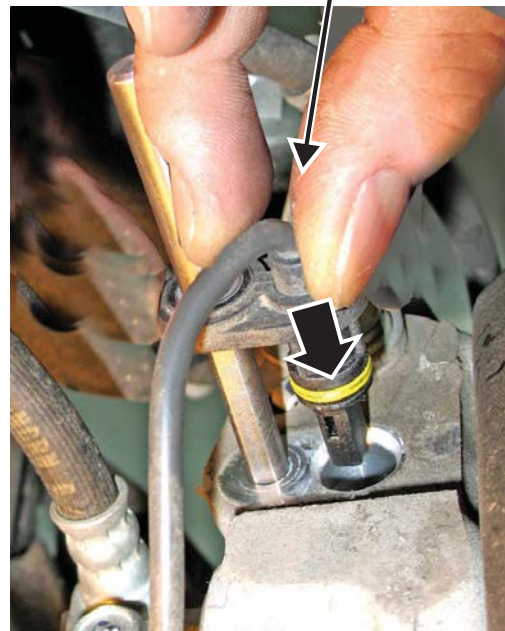
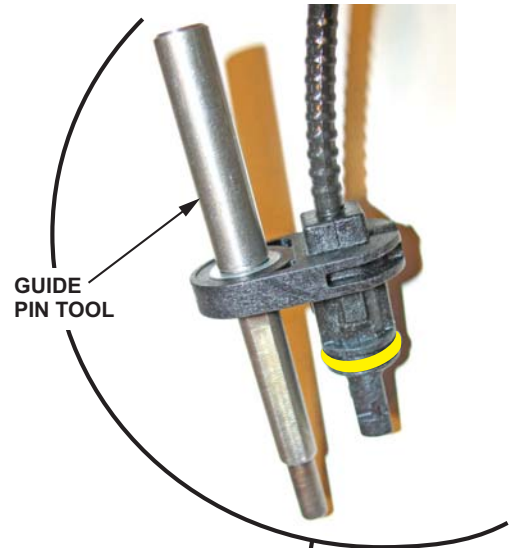
If the O-rings are OK, go to step 6.

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



7. 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.

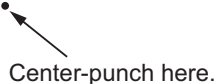


8. Insert the ABS wheel speed sensor and the guide pin into the knuckle assembly.

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.

9. Gently push and pull the ABS wheel speed sensor in and out to make sure the O-ring is sliding properly in its housing. While you're doing this, make sure the sensor doesn't come out of the knuckle assembly. If the sliding effort is too high, remove the ABS wheel speed sensor, inspect the O-ring for damage, and do the installation process again.
10. Remove the guide pin tool.
11. Reinstall the bolt, and torque it to **9.8 N·m (7.2 ft-lb)**.
12. Repeat steps 6 thru 11 to install the other rear ABS wheel speed sensor.
13. Install the rear wheels, and lower the vehicle.
14. Center-punch a completion mark below the seventh character of the engine compartment VIN:
  - Slide open the FRAME NUMBER door on the center cowl cover.
  - Use a long punch to reach the VIN.

**XHGXXXXXXXXHXXXXXX**



*Example of Customer Letter*

Spring 2008

**Safety Recall: ABS Wheel Sensor O-Ring Inspection**

Dear Civic Owner:

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act.

**What is the reason for this notice?**

Honda Motor Co., Ltd., has decided that a defect related to motor vehicle safety exists in certain 2006 and 2007 model year Civic vehicles. The anti-lock brake system (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 even more quickly, which may cause the wheel to separate and fall off, increasing the risk of a crash.

**What should you do?**

Call any authorized Honda dealer and make an appointment to have your vehicle repaired. The dealer will inspect and replace the rear ABS sensor and wheel bearing if needed. This work will be done, *free of charge*. Please plan to leave your vehicle at least half a day to allow the dealer flexibility in scheduling.

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

If you are not satisfied with the service you receive from your Honda dealer, you may write to:

American Honda Motor Co., Inc.  
 Honda Automobile Customer Service  
 Mail Stop 500-2N-7A  
 1919 Torrance Blvd.  
 Torrance, CA 90501-2746

If you believe that American Honda or the dealer has failed or is unable to remedy the defect in your vehicle, without charge, within a reasonable period of time (60 days from the date you first contact the dealer for a repair appointment), you may submit a complaint to:

Administrator  
 National Highway Traffic Safety Administration  
 1200 New Jersey Avenue, SE  
 Washington, DC 20590

You can also call the toll-free Safety Hotline at (888) 327-4236 (TTY [800] 424-9153), or go to [www.safercar.gov](http://www.safercar.gov).

**What to do if you feel this notice is in error.**

Our records show that you are the current owner or lessee of a 2006 or 2007 Civic involved in this campaign. If this is not the case, or the name/address information is not correct, please fill out and return the enclosed, postage-paid *Information Change Card*. We will then update our records.

**Lessor Information**

Federal law requires that any vehicle lessor receiving this recall notice must forward a copy of this notice to the lessee within 10 days.

**If you have questions.**

If you have any questions about this notice, or need assistance with locating a Honda dealer, please call Honda Automobile Customer Service at (800) 999-1009.

We apologize for any inconvenience this campaign may cause you.

Sincerely,

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

March 19, 2008

Dear Service Manager:

American Honda is expanding its safety recall campaign affecting 2006–07 model year Civic vehicles. On affected vehicles, a rear ABS wheel speed sensor may have been improperly installed and does 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.

**Repair Strategy**

The strategy is 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. Refer to Service Bulletin 07-055, *Safety Recall: Rear ABS Wheel Speed Sensor and O-Ring Inspection*.

**Customer Notification**

Customers of the expanded campaign will be sent a notification of this campaign the week of March 24.

To see if a vehicle is affected by this campaign, verify its eligibility by checking at least one of these items:

- The customer has a notification letter.
- The vehicle is shown as eligible on a VIN status inquiry.

**Parts Information**

Parts are available to order through normal ordering channels.

Sincerely,

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