



Noise From Under the Dashboard While Driving Between 81 and 90 km/h

SYMPTOM

A buzzing, growling, pinging, humming, fluttering, grinding, or rattling noise coming from under the dashboard while driving between 81 and 90 km/h. You can hear this noise while driving at a steady speed or when lightly accelerating with the torque converter in lock-up.

PROBABLE CAUSE

A resonance from the engine compartment is transmitted through the shift cable into the passenger compartment.

CORRECTIVE ACTION

Replace the PCM with the appropriate countermeasured part. The countermeasured PCM reduces the probability of engine resonance.

PARTS INFORMATION

Powertrain Control Module (PCM) (2000 Model):
P/N 37820-P8F-306

Powertrain Control Module (PCM) (2001 Model):
P/N 37820-P8F-406

WARRANTY CLAIM INFORMATION

In warranty: The normal warranty applies.

OP#	Description	FRT
218092	Test-drive the vehicle	0.3
218113	Replace the PCM	0.4

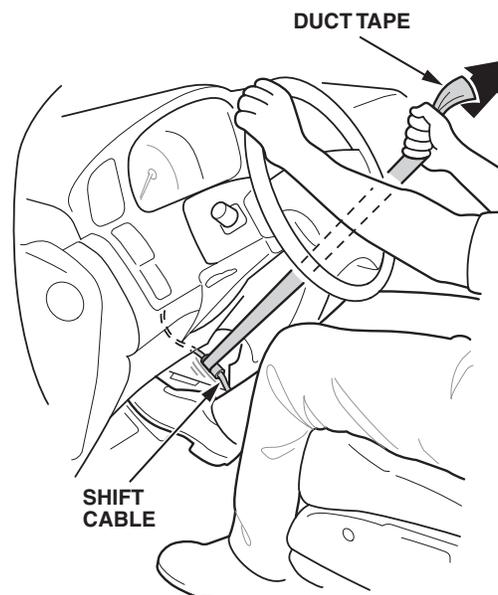
Failed Part: 2000 Model - P/N 37820-P8F-A62
2001 Model - P/N 37820-P8F-A64

Defect Code: 042

Contention Code: B07

DIAGNOSIS

1. Locate the shift cable under the dashboard.
2. Wrap a length of duct tape around the shift cable so you have about 61 centimeters of tape extending from the cable. Make sure you can safely pull on the tape while driving.



3. Test-drive the vehicle to duplicate your customer's complaint. When you hear the noise from under the dashboard, pull on the tape to move the cable, and listen carefully for any change in pitch or loudness. Repeat this several times.
 - If the noise changes in pitch or loudness when you move the cable, remove the tape from the cable, and go to **REPAIR PROCEDURE**.
 - If there is no change in pitch or loudness when you move the cable, look for other possible causes of the noise, and repair as needed.

REPAIR PROCEDURE

Preparation

You need these items:

- A programmed ignition key for the vehicle
- The PGM Tester with the 4MB Immobilizer Rewrite Program Card with version 7.2 or later software

OR

The PGM Tester with SN300S or later software on an 8MB program card

NOTE: Make sure the batteries in the PGM Tester are fully charged. Also, make sure the PGM Tester's setup (current date and Market Destination) is correct before you use it.

- The five-character second password for the program card

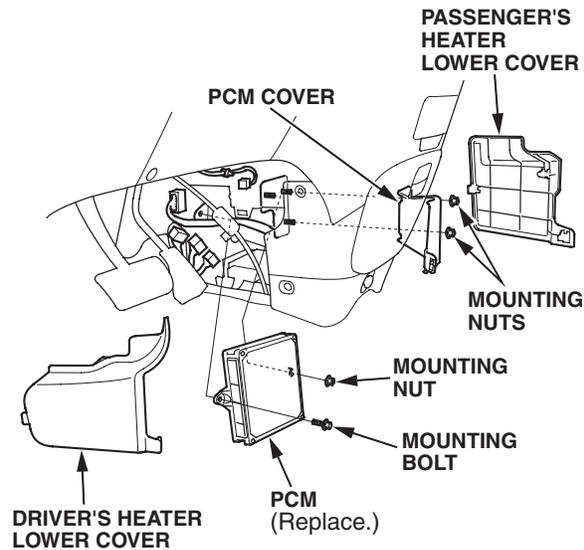
NOTE: Refer to the confidential handout distributed by Export Service Operations. If you do not have this handout, call Export Service at **1-310-783-3095** or **1-310-783-3136**. *The second password changes after every 15 entries.*

Downloading From the Original PCM

1. Connect the PGM Tester to the 16P data link connector (DLC).
2. Insert the programmed ignition key into the ignition switch, and turn the switch to ON (II).
3. From the SYSTEM SELECT screen, select 5: IMMOBI.
4. From the TEST MODE MENU-IMM screen, select 3: REPLACE BY 1 KEY.
5. Follow the screen prompts on the PGM Tester. (All immobilizer key transponder codes are automatically downloaded from the original PCM to the PGM Tester.) During this download process, make sure the ignition switch stays ON (II) and the PGM Tester stays connected.
6. When the downloading is complete, turn the ignition switch to LOCK (0).

Replacing the PCM

1. Pull back the carpet. Remove the driver's and passenger's heater lower covers to access the PCM.



2. Remove the PCM cover (two nuts).
3. Remove the PCM mounting nut and bolt.
4. Unplug the harness connectors from the PCM, and remove the PCM.
5. Plug the harness connectors into the new PCM.
6. Install the new PCM. Torque the mounting nut and bolt to 12 N·m (8.7 lb-ft).
7. Reinstall the PCM cover.
8. Reinstall the driver's and passenger's heater lower covers.

Uploading to the New PCM/Verifying the Repair

1. Turn the ignition switch to ON (II). Keep following the screen prompts on the PGM Tester. (All the transponder codes are automatically uploaded to the new PCM.)
2. When the uploading is complete, turn the ignition switch to LOCK (0), and disconnect the PGM Tester.
3. Start the engine to make sure the new PCM has been properly rewritten.