



■ Applies To: **2001 Civic EX** – From VIN JHMES2...1S000001 thru JHMES2...1S001375  
– From VIN 2HGES2...1H500001 thru 2HGES2...1H535885  
– From VIN 1HGES2...1L000001 thru 1HGES2...1L040006  
– From VIN 1HGEM2...1L000001 thru 1HGEM2...1L028506

**October 2, 2001**

## MIL Is On With DTC P1361 or P1362 (Supersedes 01-083, dated September 4, 2001)

### SYMPTOM

MIL is on, and DTC P1361 (TDC sensor intermittent interruption) or P1362 (TDC sensor no signal) is set, or the engine makes a rattling noise.

### PROBABLE CAUSE

Excessive end play in the camshaft.

### CORRECTIVE ACTION

Replace the cylinder head assembly.

### PARTS INFORMATION

Cylinder Head Assembly:  
P/N 10003-PMR-A00, H/C 6449599  
Head Gasket: P/N 12251-PLC-004, H/C 6450621  
TDC Sensor: P/N 37840-PLC-006, H/C 6468961  
Valve Cover Gasket:  
P/N 12341-PLC-000, H/C 6450654  
Timing Belt Cover: P/N 11821-PLM-000, H/C 6450548  
Cover: P/N 11840-PLM-000, H/C 6450589  
Intake Manifold Gasket:  
P/N 17055-PLD-004, H/C 6451140  
Rear Water Passage Gasket:  
P/N 19411-PLC-003, H/C 6452098  
Water Pipe "B" O-ring:  
P/N 91314-634-000, H/C 0559427

### REQUIRED MATERIALS

Honda All Season Antifreeze/Coolant Type 2:  
P/N 08C50-C321S01, H/C 3922614

### WARRANTY CLAIM INFORMATION

**In warranty:** The normal warranty applies.

Operation Number: 110108

Flat Rate Time: 4.8 hours

Failed Part: P/N 10003-PMR-A00  
H/C 6449599

Defect Code: 005

Contention Code: D99

Template ID: 01-083A

Skill Level: Repair Technician

**Out of warranty:** Any repair performed after warranty expiration may be eligible for goodwill consideration by the District Service Manager or your Zone Office. You must request consideration, and get a decision, before starting work.

### DIAGNOSIS

Remove the valve cover. Check the camshaft for excessive end play. The maximum allowable amount of end play is 0.5 mm (0.02 inch)(see page 6-40 of the 2001-02 Civic Service Manual).

- If the end play is more than 0.5 mm (0.02 inch), go to REPAIR PROCEDURE.
- If the end play is less than 0.5 mm (0.02 inch), proceed with normal troubleshooting.

### REPAIR PROCEDURE

1. Remove the cylinder head (see page 6-30 of the 2001-02 Civic Service Manual), and discard it.
2. Inspect the TDC sensor and the timing belt covers for damage (see page 6-57 of the service manual). Replace any damaged parts.
3. Install the new cylinder head (see page 6-50 of the service manual).
4. Check the engine oil level; add oil if necessary.

5. Do the Idle Learn Procedure:
  - Make sure all electrical items (A/C, audio unit, defogger, lights, etc.) are turned off, then start the engine.
  - Let the engine reach its normal operating temperature (the cooling fan cycle twice).
  - Let the engine idle (throttle fully closed and with all electrical items off) for 10 minutes.
6. If you are working on a 2001 Civic 2-door EX, do the Cruise Control Learn Procedure.
  - Drive the vehicle, and set the cruise control above 40 miles per hour.
  - Continue driving the vehicle for 5 to 10 minutes.

NOTE: You can use a smog/chassis dynamometer to do this step instead of driving the vehicle. Do not do this step with the vehicle on a lift.