



Applies To: 1988 – 95 Civic – All, except VTEC

November 10, 1997

Head Gasket Leaks

(Supersedes 97-047, dated September 29, 1997)

PROBLEM

The head gasket leaks oil externally or allows coolant into the combustion chambers.

CORRECTIVE ACTION

Install the new-style cylinder head gasket **and** the new head bolts in the Cylinder Gasket Kit listed under PARTS INFORMATION. Use the cylinder head bolt torque sequence described in this bulletin.

PARTS INFORMATION

Cylinder Gasket Kit: H/C ***0031

Kit includes:

Cylinder Head Gasket (new-style):
P/N 12251-P01-004, H/C 4489530

Cylinder Head Bolts
(10 required, use with new-style gasket):
P/N 90005-PM3-004, H/C 2894988

WARRANTY CLAIM INFORMATION

In warranty: The normal warranty applies.

OP #	Description	FRT	Template ID
110130	Replace cylinder head gasket – vehicles <i>without power steering</i> (includes engine oil and filter change)	2.8	97-047A
110092	Test-drive	0.3	
110130B	Replace cylinder head gasket – vehicles <i>with power steering</i> (includes engine oil and filter change)	3.0	97-047B
110092	Test-drive	0.3	

Failed part: P/N 12251-PM5-S02
H/C 4032470

Defect code: 060

Contention code: B06

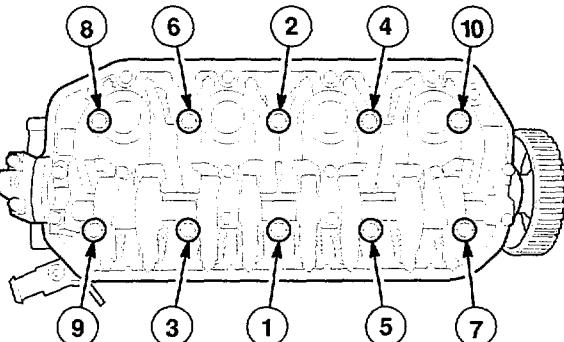
Skill level: Repair Technician

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.

Index • 049182

REPAIR PROCEDURE

1. Remove the cylinder head. (See *Cylinder Head Removal* in section 6 of the appropriate service manual.)
2. Carefully remove all gasket material from the head and the block with gasket solvent and a heavy duty scraper. The head and block mating surfaces must be clean, flat, and smooth for the new head gasket to seal properly.
NOTE: Do not use power tools or abrasives to remove the gasket material; they would damage the head and block surfaces, causing the new head gasket to leak.
3. Before the gasket solvent dries, rinse any pieces of the gasket from the coolant passages in the head and block with water. You must remove all of the gasket material to prevent engine overheating.
4. Install the cylinder head with a new gasket. Do not use any gasket sealers.
5. Apply engine oil to the threads and washers of the new cylinder bolts. Install the bolts, and torque them in the sequence and steps shown below. Do not use the head bolt tightening steps in the service manual.



Cylinder head bolt torque sequence

- Step 1. Tighten all 10 bolts to 20 N·m (14 lb-ft).
- Step 2. Tighten all 10 bolts to 49 N·m (36 lb-ft).
- Step 3. Tighten all 10 bolts to 67 N·m (49 lb-ft).
- Step 4. Tighten bolts 1 and 2 to 67 N·m (49 lb-ft).
6. Reinstall the parts you removed to replace the head gasket. (See *Cylinder Head Installation* in section 6 of the appropriate service manual.)
7. Test-drive the vehicle, and check for external oil leaks.

