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Component Search:

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Conversion Calculator

1998 Honda Civic EX Sedan L4-1590cc 1.6L SOHC (VTEC) MFI

Vehicle Level → Engine, Cooling and Exhaust → Exhaust System → Catalytic Converter → Technical Service Bulletins → All Technical Service Bulletins → Engine Controls - MIL ON/DTC P0420/Engine Ping ←

Engine Controls - MIL ON/DTC P0420/Engine Ping

Notes

05-027

September 19, 2008

Applies To:

1996-00 Civic DX, LX, EX - ALL

MIL Is On With DTC P0420 or Engine Ping Under Load

(Supersedes 05-027, dated May 20, 2008, to update the information marked by black bars and shown with asterisks.)

SYMPTOM

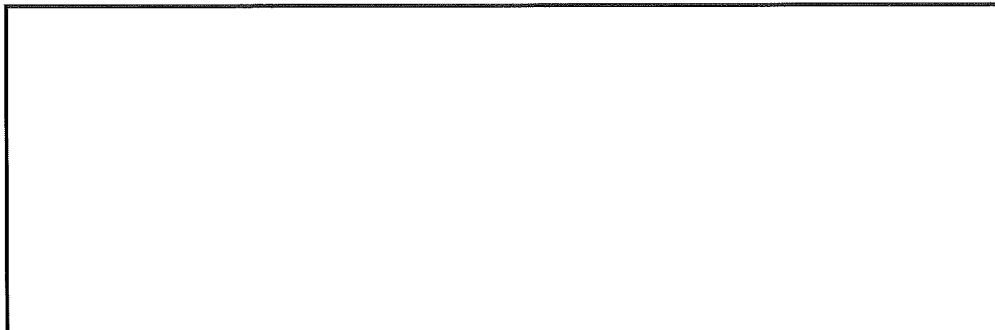
MIL is on with DTC P0420 (catalyst system efficiency below threshold) or the engine pings under load. DTC P0301 (No. 1 cylinder misfire detected), P0302 (No. 2 cylinder misfire detected), P0303 (No. 3 cylinder misfire detected), or P0304 (No. 4 cylinder misfire detected), may also be set.

PROBABLE CAUSE

Poor connections at the igniter terminals.

CORRECTIVE ACTION

Crimp the wires from the distributor subassembly, and install a new catalytic converter if code P0420 is stored in the PCM/ECM.



Manifold Converter (1996-98 Models):
 P/N 18160-P2E-A12, H/C 6146294

Exhaust Manifold Gasket (1996-00 DX/LX):
 P/N 18115-P2A-003, H/C 4838793

Exhaust Pipe Gasket:
 P/N 18212-SF4-000, H/C 2691681

Exhaust Flexible Gasket (Except EX & Si):
 P/N 18229-S01-X01, H/C 4802500

Exhaust Flexible Gasket (EX):
 P/N 18229-S01-X11, H/C 4802518

Pre-Chamber Gasket (EX):
 P/N 18393-SH3-S00, H/C 3228806

Manifold Converter (1999-00 DX/LX Models):
 P/N 18160-P2E-A22, H/C 6149611

Converter (AEE360) (1996-98 EX Models):
 P/N 18160-P2R-A50, H/C 4810412

Converter (EX Model):
 P/N 18160-P2P-A00, H/C 5999420

Distributor Housing (1996-98 Models):
 P/N 30105-P2E-A01, H/C 4789467

Distributor Housing (1999-00 Models):
 P/N 30105-P2E-A12, H/C 8006371

Distributor O-Ring:
 P/N 30110-PA1-732, H/C 1126457

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PARTS INFORMATION

Crimper with Die Set:
 P/N 07AAE-S04A120, H/C 8015851

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TOOL INFORMATION



OP#	Description	FRT
117001	Remove the distributor, and crimp the wire terminals. NOTE: Submit this claim separately; can combine with Op# 123503.	0.7
311135	Replace the catalytic converter. NOTE: Submit this claim separately.	0.5
123503	Clear the codes with the HDS.	0.3

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WARRANTY CLAIM INFORMATION

In warranty:

The normal warranty applies.

Failed Part: P/N 30130-P06-006
H/C 4317988

Defect Code: 06401

Symptom Code: 03205

Skill Level: Repair Technician

Out of warranty:

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

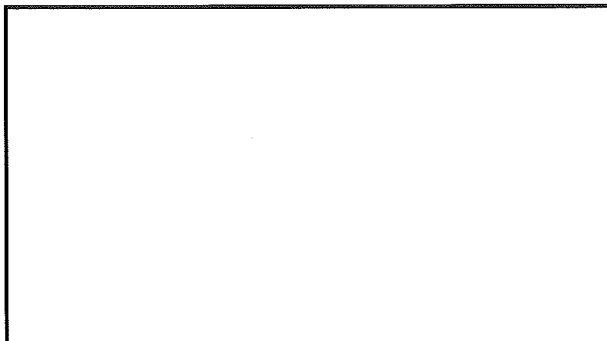
REPAIR PROCEDURE

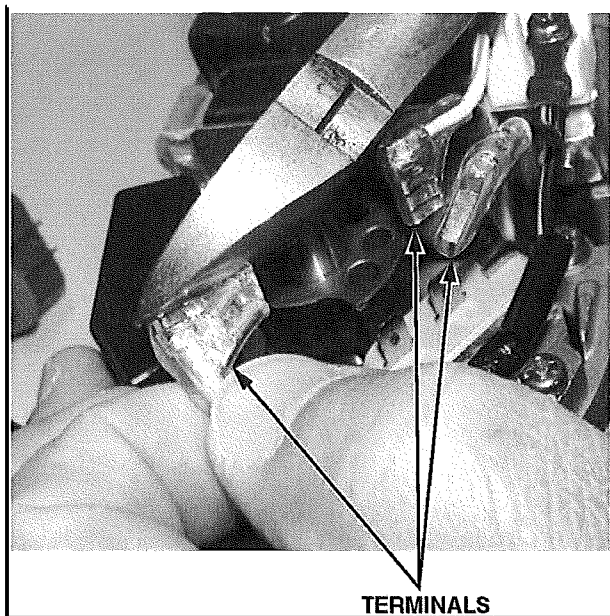
1. Remove the distributor assembly from the vehicle:

^ Refer to 1996-2000 Civic Service Manual, or

^ Online, enter keyword DISTRIBUTOR, and select Distributor Replacement from the list.

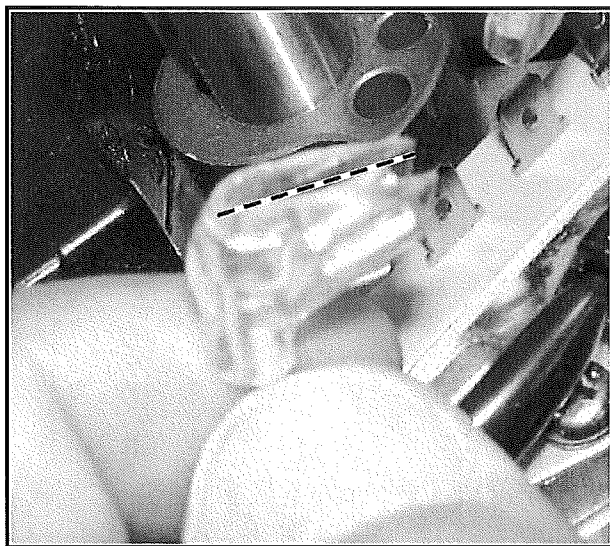
2. Remove the distributor cap, the rotor, and the cover.





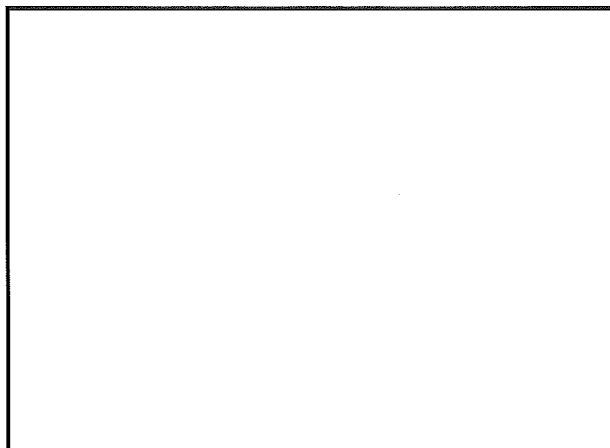
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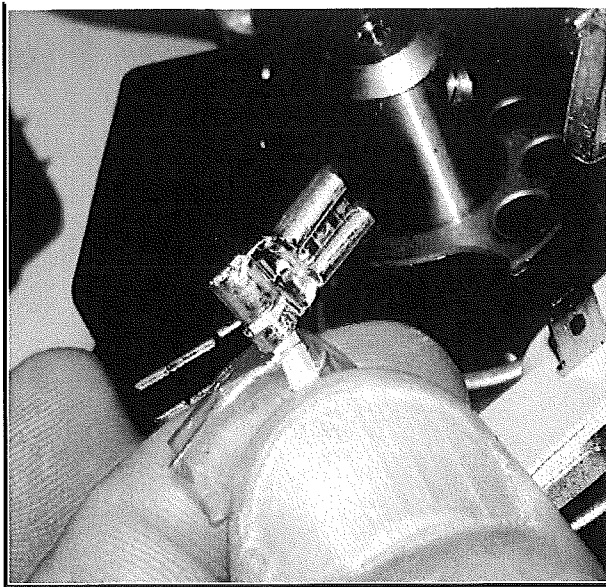
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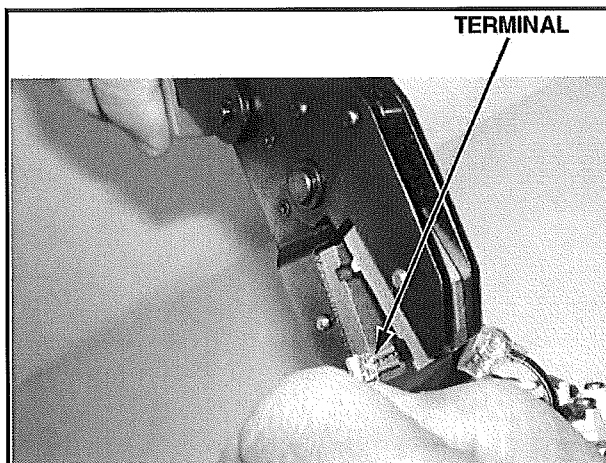


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3. Use a diagonal cutter to cut away the side of the terminal boot as shown, and slide the boot down the wire.

NOTE: Steps 4 thru 5 are done for each terminal shown, one at a time. Use caution not to twist or bend the terminals during removal. If you damage the terminals or the distributor, replace the distributor subassembly.



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4. Center the terminal in the opening of the crimping tool, and carefully crimp the terminal by closing the tool completely.
5. Slide the boot back down over the terminal. The open end will not cause a problem.
6. Repeat steps 4 and 5 for the other two terminals.
7. Reinstall the terminals. When reinstalling a terminal, do not insert it at an angle

or wiggle it from side to side. This can spread the terminal and cause a poor contact.

8. Reassemble the distributor, install a new O-ring, and install it in the vehicle.

NOTE: If the terminals or wires are damaged, replace the distributor housing with the appropriate part listed under PARTS INFORMATION.


9. Replace the catalytic converter if code P0420 was stored in the PCM/ECM.

^ See section 9 of the service manual, or

^ Online, enter keyword EXHAUST, and select Exhaust Manifold Removal and Installation from the list.

10. Start the vehicle. Check the ignition timing, and adjust it if necessary.

11. If the MIL was on, clear the code with the HDS.

	CUSTOMER INFORMATION: The information in this bulletin is intended for use only by skilled technicians who have the proper tools, equipment, and training to correctly and safely maintain your vehicle. These procedures should not be attempted by "do-it-yourselfers," and you should not assume this bulletin applies to your vehicle, or that your vehicle has the condition described. To determine whether this information applies, contact an authorized Honda automobile dealer.
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