

August 19, 2025

Version 1

Misfire No. 4 Cylinder (DTC P0304)

APPLIES TO

Year	Model	Trim Level	VIN Range
2017-21	Civic	TYPE R	ALL

SYMPTOM

The MIL comes on with stored DTC P0304, No. 4 Cylinder Misfire detected.

POSSIBLE CAUSE

Water could enter the hood scoop and accumulate down inside the no. 4 spark plug hole. This can corrode the ignition coil, plug tube, and spark plug, leading to a misfire to the no. 4 cylinder. If a misfire is detected, DTC P0304 is stored.

Honda has redesigned the cylinder head cover that will divert water away from the no. 4 spark plug hole and ignition coil if any water should enter through the hood scoop.

CORRECTIVE ACTION

Inspect the no. 4 cylinder spark plug base for water accumulation and/or corrosion around the spark plug tube.

- If corrosion or water is found, replace the cylinder head cover, spark plug, and ignition coil.
- If corrosion on the plug tube is excessive (12 mm or more), photo submission of excessive rust corrosion is required.
- If no water or corrosion is found, this service bulletin does not apply. Continue with normal troubleshooting.

WARRANTY CLAIM INFORMATION

Operation Number	Description	Flat Rate Time	Defect Code	Symptom Code	Template ID	Failed Part Number
1100B2	Repair Procedure A: Inspect #4 ignition coil, spark plug & plug tube. Clean plug tube and reinstall the cylinder cover. (Includes DTC clear)	1.4hr	00801	03203	A25062A	10003-RPY-G01
1105E1	Repair Procedure B: Replace cylinder head (includes inspection, DTC clear, idle learn & photos)	13.6hr	00801	03203	A25062B	

NOTE: For Repair Procedure B, photo submission of excessive rust corrosion/hole(s)/crack(s) on the plug tube is required. Provide photos of the VIN plate and the damaged plug tube. Photos should be clear and in focus, or the claim may be subject to a debit.

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.

PARTS INFORMATION

Repair Procedure A (cylinder head cover, ignition coil, and spark plug replacement)

Part Name	Part Number	Quantity
Cover Assy., Cylinder Head	12310-5BA-A01	1
Rubber set, Breather	17136-5BF-A00	1
O-ring (10.2 x 1.8)	91307-RCA-A01	1
O-ring (14.8 x 1.8) (NOK)	91308-RCA-A01	1
Coil Assy., Plug Top (Ignition Coil)	30520-59B-023	1
Spark plug (ILZKAR8H8S) (NGK)	12290-59B-003	1

Repair Procedure B (cylinder head remove and replace)

Part Name	Part Number	Quantity
Cover Assy., Cylinder Head	12310-5BA-A01	1
Rubber Set, Breather	17136-5BF-A00	1
O-ring (10.2 x 1.8)	91307-RCA-A01	1
O-ring (14.8 x 1.8) (NOK)	91308-RCA-A01	1
Coil Assy., Plug Top (Ignition Coil)	30520-59B-023	1
Spark plug (ILZKAR8H8S) (NGK)	12290-59B-003	1
Nut, Self-Lock (10 mm)	90012-59B-004	4
Gasket Kit, Cyl. Head	06110-RPY-G02	1
Gasket, Turbocharger Pipe	19524-RPY-G01	1
Pipe Set, Fuel Joint	16012-RPY-315	1
Bolt, Socket (6 x 20)	96600-06020-18	2
Pipe, Fuel Feed	16013-RPY-305	1
Clip, Injector	16451-RPY-G01	4
O-ring	91310-RPY-G01	4
Disk, Supporting	91312-RPY-G01	4
Washer, Sealing (20 mm)	12209-PR3-000	2
General Assy., Cylinder Head	10003-RPY-G01	1

REQUIRED MATERIALS

Procedure A

Part Name	Part Number	Quantity
Hondabond HT	08718-0004	1 (services 20 vehicles)
Burgandy colored abrasive pad	commercially available	1

Procedure B

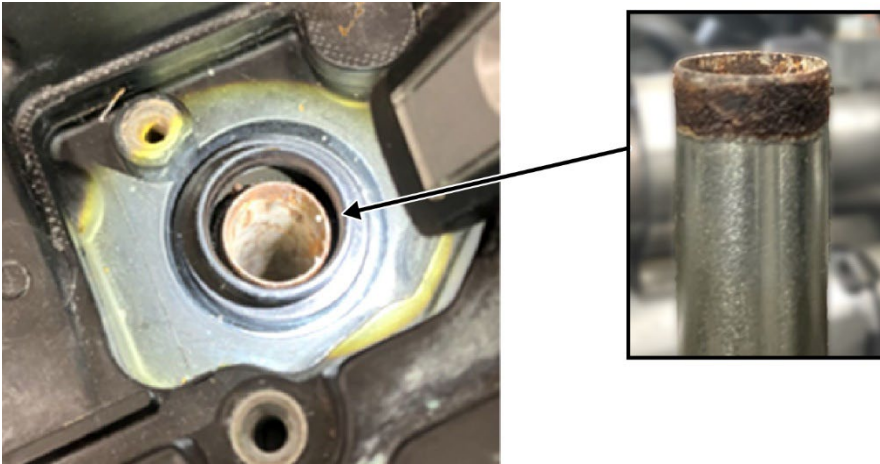
Part Name	Part Number	Quantity
Hondabond HT	08718-0004	1
Honda Long-Life Antifreeze/Coolant Type 2	0L999-9011	3 gallons

TOOL INFORMATION

Tool Name	Part Number	Quantity
Guide, Valve Cover (Set)	07AAG-RPYA100	1

INSPECTION PROCEDURE

1. Connect HDS to the DLC. ([Click HERE](#))
2. Verify DTC P0304 is stored.
3. Remove the engine cover and remove the no. 4 ignition coil. ([Click HERE](#))
4. Inspect cylinder no. 4 spark plug tube, remove any residual water from the plug tube area.
5. Remove cylinder no. 4 spark plug and inspect for any corrosion on the plug.
6. Remove the remaining ignition coils.
7. Remove the cylinder head cover. ([Click HERE](#))
8. Inspect cylinder no. 4 ignition coil, plug tube, and spark plug of residual water and corrosion.



Are there any signs of water and/or corrosion on the ignition coil, plug tube, or spark plug?

Yes – Go to step 9.

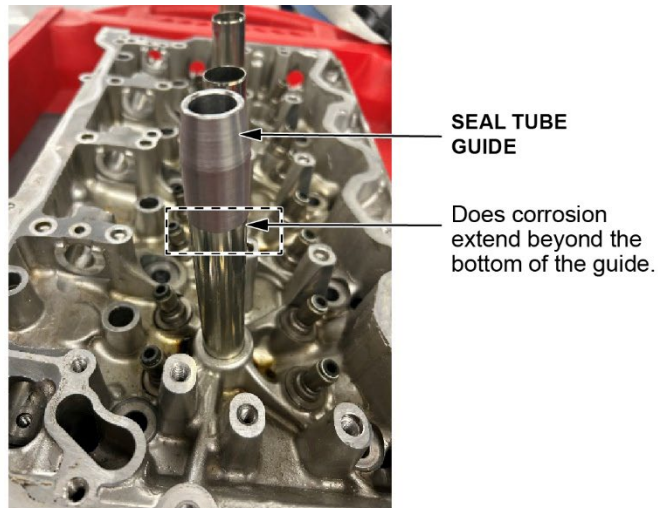
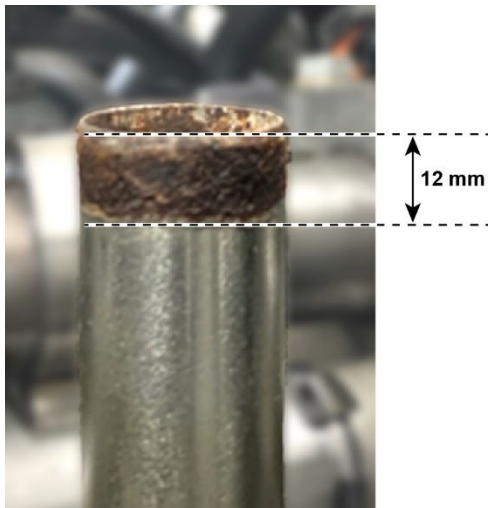
No – This bulletin **does not apply**, continue with normal troubleshooting.

9. Place a clean shop towel around the bottom of the no. 4 spark plug tube, then clean the excessive rust and corrosion from the spark plug tube using a burgundy colored abrasive pad.
10. After cleaning the rust and corrosion:
 - Check the spark plug tube for small holes and/or cracks
 - Place the seal guide on to the no. 4 spark plug tube

Does the corrosion on the no. 4 spark plug tube exceed 12 mm or extend beyond the bottom of the seal tube guide?
Are there small holes and/or cracking in the tube?

Yes – Take a photo of the spark plug tube corrosion/hole(s)/crack(s), then proceed to **Repair Procedure B**.

No – Go to **Repair Procedure A**.

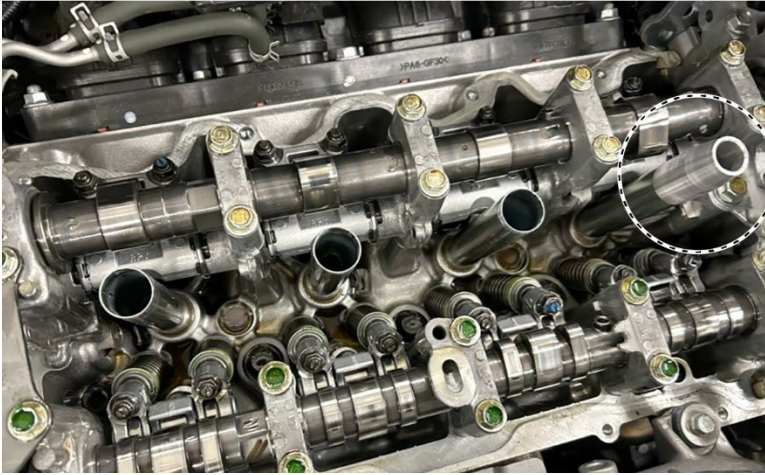


REPAIR PROCEDURE A

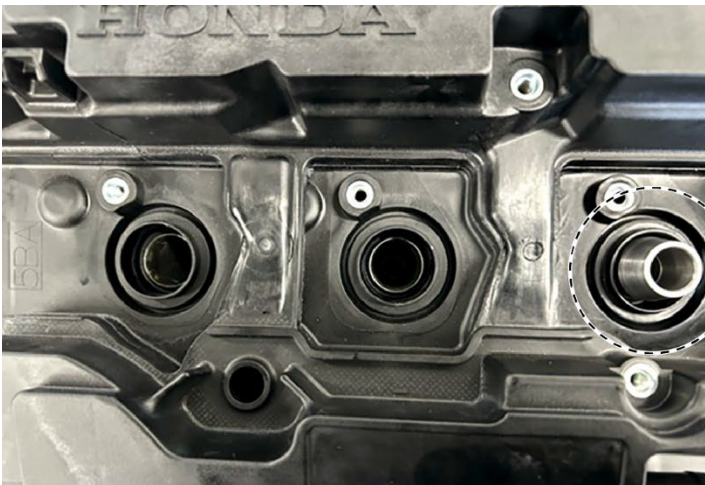
New Cylinder Head Cover, Ignition Coil, and Spark Plug Replacement

1. Install the seal tube guide tool on top of the clean no. 4 cylinder plug tube.

NOTE: Make sure the tapered end of the seal tube guide tool is pointing up.



2. Apply a light coat of fresh engine oil to the new head cover plug seal, then carefully slide the head cover over the seal tube guide and onto the cylinder head.



3. Set the seal tube setter tool in the head cover and on top of the seal tube guide. Make sure the plug tube is properly set in the cylinder head cover.



4. Remove the seal tube setter tool, then remove the seal guide from the cylinder head cover.
5. Install a new spark plug to the no. 4 cylinder, then install all 4 ignition coils. ([Click HERE](#))
6. Install the cylinder head cover bolts, and any remaining parts in the reverse order of removal. ([Click HERE](#))
7. Perform all clear DTCs.

REPAIR PROCEDURE B

Cylinder Head Replacement with New Cylinder Head Cover

 **CAUTION**

[Please carefully read "Precaution for Handling Sodium-Filled Valves" and follow the instructions as the exhaust valves contain metal sodium.](#)

NOTE: **Before starting this repair**, make sure the spark plug tube was photographed with corrosion measurement exceeding 12 mm.

1. Follow the procedure to remove and install the cylinder head. ([Click HERE](#))