

**June 21, 2017**

06705 Version 2

**CVT Makes a Grinding Noise on Hot Restart**

Supersedes 17-003, dated March 22, 2017, to revise the information highlighted in yellow

**AFFECTED VEHICLES**

Year	Model	Trim	VIN Range
2016	Civic	1.5L with CVT	ALL
2017	Civic 5-Door KA	1.5L with CVT	SHHFK7H..HU200101 thru SHHFK7H..HU210272
2017	Civic 5-Door KL	1.5L with CVT	SHHFK7H..HU400101 thru SHHFK7H..HU407146

**REVISION SUMMARY**

Under PARTS INFORMATION, the part numbers are now listed individually instead of kit form.

**SYMPTOM**

Under a very specific hot restart, the customer may complain the vehicle makes a grinding or pump noise for about 2 seconds. Some may also describe it as a starter noise.

**POSSIBLE CAUSE**

A pressure control valve is vibrating in the CVT lower valve body on a hot restart.

NOTE: This noise does not impact function or reliability. Honda has an updated lower valve body to eliminate the noise.

**CORRECTIVE ACTION**

Do the Verification Sequence to try and create the noise. If the noise can be duplicated, install the updated lower valve body.

**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

Part Name	Part Number	Quantity
Oil Pan Gasket	21814-RJ2-003	1
Valve Body Assembly	27000-5X9-014	1
Transmission Magnet	25422-RJ2-003	2
Gasket (10 mm)	90471-59C-000	1
Drain Plug Washer (18 mm)	90471-PX4-000	1
O-Ring (14.8 x 1.8 mm)	91308-PW4-003	1
O-Ring (14.8 x 1.8 mm)	91308-RCA-A01	4
O-Ring (8.8 x 1.9 mm) (ARAI)	91308-REJ-W01	2
O-Ring (7.7 x 1.9 mm) (NOK)	91311-PA9-004	8
O-Ring (11 x 1.9 mm) (NOK)	91314-PW4-003	2

## REQUIRED MATERIALS

Part Name	Part Number	Quantity
Honda Genuine HCF-2 CVT Fluid	08200-HCF2	7 qts

## WARRANTY CLAIM INFORMATION

The normal warranty applies.

Operation Number	Description	Flat Rate Time	Defect Code	Symptom Code	Template ID	Failed Part Number
2321K2	Replace the lower valve body in the CVT.	1.5 hrs	03214	04201	17-003B	27000-5X9-004

Skill Level: Repair Technician

## DIAGNOSIS

You may or may not be able to duplicate the customer's complaint due to it taking a very specific hot soak to get the noise to occur. Use the Verification Sequence to duplicate the noise, and compare it to the audio clip included in this bulletin.

### Verification Sequence

1. Connect the i-HDS and go to the A/T Data List.
2. Do the stall test for 5 seconds.
3. Idle the engine for 10 seconds.
4. Repeat steps 1 and 2 until the CVT fluid reaches 176°F (80°C).
5. Shut off the vehicle for 45 minutes. (After 45 minutes the CVT fluid temperature should be 140-149°F [60-65°C]).
6. Restart the vehicle and check for the noise.
  - If the noise is the same as the one in the audio clip, go to REPAIR PROCEDURE.
  - If the noise cannot be duplicated or is not the same as the audio clip, continue with normal troubleshooting.

## CVT GRINDING NOISE



## REPAIR PROCEDURE

1. Replace the lower valve body. Refer to the service information.
2. Fill the transmission with **6.1 US qts (5.8 L)** of HCF-2 CVT.

NOTE: Always use Honda Genuine HCF-2 CVT fluid. Using the wrong type of fluid may damage the transmission.
3. Recheck the fluid level. Refer to the transmission fluid (HCF-2) level check procedure in the service information.

NOTE: Make sure the CVT is filled to the proper level. If it is not, the transmission may experience poor performance and belt damage.
4. Reset the Maintenance Minder.
  - If the Maintenance Minder required a CVT fluid replacement, reset the Maintenance Minder using the gauge.
  - If the Maintenance Minder did not require a CVT fluid replacement, reset the Maintenance Minder using the i-HDS.

### Resetting Individual Maintenance Items with the i-HDS

1. Turn the ignition to ON.
2. Make sure the i-HDS communicates with the vehicle and the PCM. If it does not communicate, troubleshoot the DLC circuit.
3. Select **BODY ELECTRIC**.
4. Select **GAUGES**.
5. Select **ADJUSTMENT**.
6. Select **MAINTENANCE INFORMATION**.
7. Select **MAINTENANCE MINDER**.
8. Select the individual maintenance item you wish to reset.

END