

Applies To: **See VEHICLES AFFECTED****April 12, 2008**

Transmission Grinds When Shifting Into 3rd Gear, Pops Out of 3rd Gear, or Is Hard to Shift Into 3rd Gear

SYMPTOM

The 6-speed manual transmission grinds when shifting into 3rd gear, pops out of 3rd gear, or is hard to shift into 3rd gear.

NOTE: These symptoms can be intermittent and sometimes more noticeable in colder climates.

PROBABLE CAUSE

The transmission has a faulty 3rd gear synchronizer or 3-4 shift sleeve.

CORRECTIVE ACTION

Replace the 3rd gear set.

VEHICLES AFFECTED

2003–07 Accord V6 with M/T: ALL

2008 Accord V6 with M/T 2-Door:

From VIN 1HGCS218.8A000001
thru 1HGCS218.8A003478

2006–07 Civic Si 2-Door: ALL

2008 Civic Si 2-Door:

From VIN 2HGFG215.8H700001
thru 2HGFG215.8H701973

2007 Civic Si 4-Door: ALL

2008 Civic Si 4-Door:

From VIN 2HGFA555.8H700001
thru 2HGFA555.8H702465

PARTS INFORMATION

3rd Gear Set (2006–08 Civic Si):

P/N 23444-PNS-316, H/C 8833824

3rd Gear Set (2003–08 Accord V6):

P/N 23444-RDE-315, H/C 8824252

Liquid Gasket (as needed):

P/N 08718-0012, H/C 7978257

Grease (as needed):

P/N 08798-9002, H/C 3720984

Additional Hardware

NOTE: The following parts must be replaced when replacing the third gear set.

2003–07 Accord

Bolt, Flange (10 x 16) (1 required):

P/N 95701-10016-08, H/C 2534550

Bolt, Flange (10 x 30) (4 required):

P/N 90163-SDB-A00, H/C 7151368

Bolt, Flange (10 x 34) (4 required):

P/N 90170-SDA-A01, H/C 7178767

Bolt, Flange (10 x 35) (2 required):

P/N 90163-SDA-A01, H/C 7151350

Bolt, Flange (10 x 40) (1 required):

P/N 90165-SDB-A00, H/C 7224090

Bolt, Flange (10 x 62) (1 required):

P/N 90169-SDA-A01, H/C 7151434

Bolt, Flange (10 x 68) (1 required):

P/N 90164-SDB-A00, H/C 7151384

Bolt, Flange (10 x 70) (2 required):

P/N 90189-SDA-A00, H/C 7223480

Bolt, Flange (12 x 33) (2 required):

P/N 90186-SDA-A00, H/C 7257504

Bolt, Flange (12 x 75) (2 required):

P/N 90396-S5A-010, H/C 8440992

Bolt, Flange (14 x 135) (2 required):

P/N 90176-SDA-A00, H/C 7151483

Bolt, Flange (14 x 150) (2 required):

P/N 90177-SDA-A00, H/C 7151491

Gasket, Exhaust Pipe (2 required):

P/N 18212-SA7-003, H/C 1462290

Gasket, Pre-Chamber (1 required):

P/N 18393-SDB-A00, H/C 7245194

Nut, Self-Locking (10 mm) (9 required):

P/N 90212-SA5-003, H/C 1169812

O-Ring (16 x 2.1) (2 required):

P/N 91309-PX4-003, H/C 3301793

O-Ring (29.7 x 2.4) (1 required):

P/N 91307-PR8-005, H/C 3557063

O-Ring (37.7 x 3.5) (1 required):

P/N 91305-PN4-003, H/C 4906079

Oil Seal (28 x 43 x 7) (1 required):
P/N 91216-PG1-005, H/C 2373389

Oil Seal (35 x 54 x 8) (1 required):
P/N 91206-P0Z-005, H/C 5618947

Oil Seal (40 x 56 x 9) (1 required):
P/N 91205-P0X-005, H/C 5368659

Pin, Split (2.0 x 35) (2 required):
P/N 94201-20350, H/C 0058388

Set-Ring (28 x 2.0) (1 required):
P/N 44319-SE0-000, H/C 2144764

Set-Ring (30 x 2.2) (1 required):
P/N 44319-S1K-300, H/C 5967773

Washer (6 mm) (1 required):
P/N 90442-397-000, H/C 0687616

Washer (14 mm) (1 required):
P/N 94109-14000, H/C 0171876

Washer (20 mm) (1 required):
P/N 94109-20000, H/C 0251728

2008 Accord

Bolt, Flange (10 x 30) (4 required):
P/N 90163-SDB-A00, H/C 7151368

Bolt, Flange (10 x 34) (4 required):
P/N 90170-SDA-A01, H/C 7178767

Bolt, Flange (10 x 35) (2 required):
P/N 90163-SDA-A01, H/C 7151350

Bolt, Flange (10 x 45) (1 required):
P/N 90163-SZ3-000, H/C 4977591

Bolt, Flange (10 x 62) (1 required):
P/N 90169-SDA-A01, H/C 7151434

Bolt, Flange (10 x 65) (1 required):
P/N 90176-S3Y-000, H/C 6352504

Bolt, Flange (12 x 25) (2 required):
P/N 95701-12025-08, H/C 2488542

Bolt, Flange (12 x 33) (2 required):
P/N 90186-SDA-A00, H/C 7257504

Bolt, Flange (12 x 40) (3 required):
P/N 90167-TA0-A00, H/C 8659724

Bolt, Flange (12 x 50) (6 required):
P/N 90162-TA0-A00, H/C 8672560

Bolt, Flange (12 x 75) (2 required):
P/N 90396-S5A-010, H/C 8440992

Bolt, Flange (12 x 100) (4 required):
P/N 90164-SAA-000, H/C 7028236

Bolt, Flange (14 x 135) (2 required):
P/N 90176-SDA-A00, H/C 7151483

Bolt, Flange (14 x 150) (2 required):
P/N 90177-SDA-A00, H/C 7151491

O-Ring (16 x 2.1) (2 required):
P/N 91309-PX4-003, H/C 3301793

O-Ring (29.7 x 2.4) (1 required):
P/N 91307-PR8-005, H/C 3557063

O-Ring (37.7 x 3.5) (1 required):
P/N 91305-PN4-003, H/C 4906079

Oil Seal (28 x 43 x 7) (1 required):
P/N 91216-PG1-005, H/C 2373389

Oil Seal (35 x 54 x 8) (1 required):
P/N 91206-P0Z-005, H/C 5618947

Oil Seal (40 x 56 x 9) (1 required):
P/N 91205-P0X-005, H/C 5368659

Nut (10 mm) (9 required):
P/N 90212-SA5-003, H/C 1169812

Nut, Flange (10 mm) (2 required):
P/N 90371-S87-A00, H/C 5454723

Nut, Flange (12 mm) (2 required):
P/N 90371-SEF-000, H/C 8178535

Pin, Split (3.0 x 22) (2 required):
P/N 94201-30220, H/C 0262204

Set-Ring (30 x 2.2) (1 required):
P/N 44319-SD4-010, H/C 2931145

Set-Ring (30 x 2.2) (1 required):
P/N 44319-S1K-300, H/C 5967773

Washer (6 mm) (1 required):
P/N 90442-397-000, H/C 0687616

Washer (14 mm) (1 required):
P/N 94109-14000, H/C 0171876

Washer (20 mm) (1 required):
P/N 94109-20000, H/C 0251728

Civic

Bolt, Flange (12 x 18) (2 required):
P/N 90018-SNA-010, H/C 8076713

Bolt, Flange (12 x 25) (2 required):
P/N 90182-S2H-000, H/C 6956080

Bolt, Flange (12 x 35) (4 required):
P/N 90168-S5A-000, H/C 6462972

Bolt, Flange (12 x 64) (3 required):
P/N 90166-ST7-000, H/C 4258711

Bolt, Flange (12 x 88) (1 required):
P/N 90167-S5A-010, H/C 6540512

Bolt, Flange (14 x 107) (1 required):
P/N 90161-SR3-000, H/C 3898210

Bolt, Flange (14 x 115) (4 required):
P/N 90175-S5A-000, H/C 6579585

Nut (12 mm) (2 required):
P/N 90215-SB0-003, H/C 1715499

Nut, Flange (12 mm) (2 required):
P/N 90371-SEF-000, H/C 8178535

Nut, Spindle (24 mm) (2 required):
P/N 90305-SD4-003, H/C 2399723

- O-Ring (16 x 2.1) (1 required):
P/N 91309-PX4-003, H/C 3301793
- Oil Seal (28 x 43 x 7) (1 required):
P/N 91216-PG1-005, H/C 2373389
- Oil Seal (35 x 58 x 8) (1 required):
P/N 91206-RCT-003, H/C 8262305
- Oil Seal (40 x 56 x 8) (1 required):
P/N 91205-PL3-B01, H/C 2842557
- Pin, Split (2.0 x 22) (2 required):
P/N 94201-20220, H/C 0058362
- Set-Ring (28 x 2.0) (2 required):
P/N 44319-SE0-000, H/C 2144764
- Washer, Drain Plug (12 mm) (3 required):
P/N 94109-12000, H/C 0171868
- Washer, Drain Plug (14 mm) (1 required):
P/N 94109-14000, H/C 0171876
- Washer, Drain Plug (20 mm) (1 required):
P/N 94109-20000, H/C 0251728

REQUIRED MATERIALS

- Honda Genuine M/T Fluid:
P/N 08798-9031, H/C 8429094
- Accord: 2.6 qt required
- Civic: 1.8 qt. required

WARRANTY CLAIM INFORMATION

In warranty: The normal warranty applies.

OP#	Description	FRT
213205	3rd gear set replacement (03–07 Accord)	8.4
	3rd gear set replacement (08 Accord)	8.7
	3rd gear set replacement (Civic Si)	8.2
I	Add for 03–07 Accord V6	1.2
M	Add for alignment	0.6

- Failed Part: P/N 23444-PNS-306
H/C 7407042
- Defect Code: 03214
- Symptom Code: 04101
- 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.

DIAGNOSIS

Drive a known-good vehicle under the same conditions as the customer’s complaint, and compare the shift quality. If the customer’s vehicle has noticeable shift quality problems, replace the 3rd gear set.

NOTE: It is not uncommon for there to be some resistance or notchiness when shifting into third gear.

REPAIR PROCEDURE

1. Remove the transmission:
 - Refer to Section 13 of the appropriate service manual, or
 - Online, enter keywords **MANUAL REMOVAL**, and select **Manual Transmission Removal (V6 engine M/T)** from the list.
2. Disassemble the transmission down to the mainshaft:
 - Refer to Section 13 of the appropriate service manual, or
 - Online, enter keywords **TRANSMISSION DISASSEMBLY**, and select **Manual Transmission Disassembly (V6 engine M/T)** from the list.
3. Replace the 3rd gear set:
 - Refer to Section 13 of the appropriate service manual, or
 - Online, enter keywords **M/T MAINSHAFT DIS**, and select **M/T Mainshaft Disassembly (V6 engine M/T)** from the list.
4. Reassemble the transmission:
 - Refer to Section 13 of the appropriate service manual, or
 - Online, enter keywords **TRANSMISSION REASSEMBLY**, and select **Manual Transmission Reassembly (V6 engine M/T)** from the list.
5. Reinstall the transmission:
 - Refer to Section 13 of the appropriate service manual, or
 - Online, enter keywords **MANUAL INSTALL**, and select **Manual Transmission Installation (V6 engine M/T)** from the list.