

March 5, 2019

Version 1

2016-18 Civic 1.5L: Software Update with A/C Control Unit Replacement; DTC P0300, P0301, P0302, P0303, P0304, or P0172

AFFECTED VEHICLES

Year	Model	Trim	VIN Range
2016-18	Civic	ALL with 1.5L Engine	ALL - With DPSM Approval

BACKGROUND

Under certain circumstances, the vehicle may experience driveability issues, which may result in DTCs P0300 (random misfire detected), P0301 (No. 1 cylinder misfire detected), P0302 (No. 2 cylinder misfire detected), P0303 (No. 3 cylinder misfire detected), P0304 (No. 4 cylinder misfire detected), or P0172 (fuel system too rich) to set.

NOTE

Repair an affected vehicle using this service bulletin only if the vehicle otherwise would be covered by S/B 18-137, *Product Update: 2016-18 Civic: Software and A/C Control Unit Update, DTC P0300, P0301, P0302, P0303, P0304, or P0172* and the repairing dealership is located outside of the following cold-weather states: Alaska, Connecticut, Iowa, Illinois, Indiana, Massachusetts, Maine, Michigan, Minnesota, Montana, North Dakota, Nebraska, New Hampshire, New Jersey, New York, Ohio, Pennsylvania, Rhode Island, South Dakota, Vermont, Wisconsin.

CORRECTIVE ACTION

Reset the maintenance minder, replace only the engine oil without replacing the oil filter, and replace the A/C control unit. Clear any DTC's and update the PGM-FI and TCM software with the latest version. Reset the throttle position learned values and do the PCM idle learn procedure.

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.

WARRANTY CLAIM INFORMATION

DPSM Authorization is required prior to beginning repairs.

Use this warranty information if your dealership participates in the bulk oil program.

Operation Number	Description	Flat Rate Time	Defect Code	Symptom Code	Template ID	Failed Part Number
1245B4	Reset the maintenance minder. Update the PGM-FI and TCM software. Replace the engine oil, the A/C control unit, and do the throttle position reset and PCM idle learn procedure. (Non Dual Zone A/C unit)	0.8 hr	6DV00	B3P00	A19027A	37805-5BA-A51

Operation Number	Description	Flat Rate Time	Defect Code	Symptom Code	Template ID	Failed Part Number
1245B4	Reset the maintenance minder. Update the PGM-FI and TCM software. Replace the engine oil, the A/C control unit, and do the throttle position reset and PCM idle learn procedure. (Dual Zone A/C unit)	0.8 hr	6DV00	B3P00	A19027B	37805-5BA-A51

Skill Level: Repair Technician

Use this warranty information **if your dealership does not participate in the bulk oil program.**

Operation Number	Description	Flat Rate Time	Defect Code	Symptom Code	Template ID	Failed Part Number
1245B4	Reset the maintenance minder. Update the PGM-FI and TCM software. Replace the engine oil, the A/C control unit, and do the throttle position reset and PCM idle learn procedure. (Non Dual Zone A/C unit)	0.8 hr	6DV00	B3P00	A19027C	37805-5BA-A51

Operation Number	Description	Flat Rate Time	Defect Code	Symptom Code	Template ID	Failed Part Number
1245B4	Reset the maintenance minder. Update the PGM-FI and TCM software. Replace the engine oil, the A/C control unit, and do the throttle position reset and PCM idle learn procedure. (Dual Zone A/C unit)	0.8 hr	6DV00	B3P00	A19027D	37805-5BA-A51

Skill Level: Repair Technician

PARTS INFORMATION

Part Name	Part Number	Quantity
Drain Plug Washer (14 mm)	94109-14000	1
Auto Air Conditioner CPU Assembly (A/C control unit) (Automatic Climate Control)	79610-TBA-A51	1
Auto Air Conditioner CPU Assembly (A/C control unit) (Dual-Zone Automatic Climate Control)	79610-TBC-A51	1

MATERIAL INFORMATION

Part Name	Part Number	Quantity
0W-20 (Bulk Oil Participants) (Gallons)	FS020-BAS-N0L	1
0W-20 (Non-Bulk Oil Participants) (Quarts)	08798-9063	4

SOFTWARE INFORMATION

NOTE

Unnecessary or incorrect repairs resulting from a failure to update the i-HDS are not covered under warranty.

i-HDS Software Version: **1.004.064 or later**

J2534 Software Information:

- PC Application Version **1.1.0.6 or later**
- Database update **27-DEC-2018 or later**

Before beginning the repair, make sure that both the i-HDS and J2534 software are updated as listed above.

Do only the update listed in this service bulletin.

To update the software, you must use the MVCI or the DST-i interface in conjunction with the J2534 Rewrite PC application on the i-HDS.

For more information about updating the i-HDS, the MVCI, and vehicle systems, refer to service bulletin 01-023, *Updating Control Units/Modules*.

Year/Model	Emission Code	Software System	Program ID (or later)	Program P/N (or later)
2016 Civic (EX with CVT 2-Door, 4-Door)	KA	PGM-FI	AAA580	37805-5AA-A58
		TCM	CGA080	28101-5CG-A08
2016 Civic (Touring with CVT 2-Door, 4-Door)	KA	PGM-FI	AAA680	37805-5AA-A68
		TCM	CGA080	28101-5CG-A08
2016 Civic (EX with CVT 2-Door, 4-Door)	KL	PGM-FI	AAL590	37805-5AA-L59
		TCM	CGA080	28101-5CG-A08
2016 Civic (Touring with CVT 2-Door, 4-Door)	KL	PGM-FI	AAL690	37805-5AA-L69
		TCM	CGA080	28101-5CG-A08
2017 Civic (EX with M/T 2-Door, 4-Door)	KA	PGM-FI	AAA070	37805-5AA-A07
2017 Civic (EX with CVT 2-Door, 4-Door)	KA	PGM-FI	AAA580	37805-5AA-A58
		TCM	CGA080	28101-5CG-A08
2017 Civic (EX with CVT 2-Door, 4-Door)	KL	PGM-FI	AAL590	37805-5AA-L59
		TCM	CGA080	28101-5CG-A08
2017 Civic (Touring with CVT 2-Door, 4-Door)	KA	PGM-FI	AAA680	37805-5AA-A68
		TCM	CGA080	28101-5CG-A08
2017 Civic (Touring with CVT 2-Door, 4-Door)	KL	PGM-FI	AAL690	37805-5AA-L69
		TCM	CGA080	28101-5CG-A08
2017 Civic (Si 2-Door, 4-Door)	KA	PGM-FI	AMA050	37805-5AM-A05
2017 Civic (LX with M/T 5-Door)	KA	PGM-FI	ANA040	37805-5AN-A04

Year/Model	Emission Code	Software System	Program ID (or later)	Program P/N (or later)
2017 Civic (LX with CVT 5-Door)	KA	PGM-FI	ANA540	37805-5AN-A54
		TCM	CKA040	28101-5CK-A04
2017 Civic (LX w/Honda Sensing 5-Door)	KA	PGM-FI	ANA750	37805-5AN-A75
		TCM	CKA150	28101-5CK-A15
2017 Civic (LX with CVT 5-Door)	KL	PGM-FI	ANL540	37805-5AN-L54
		TCM	CKA040	28101-5CK-A04
2017 Civic (EX, EX-L 5-Door)	KL	PGM-FI	AN9540	37805-5AN-954
		TCM	CKA040	28101-5CK-A04
2017 Civic (EX, EX-L 5-Door)	KA	PGM-FI	ANB540	37805-5AN-B54
		TCM	CKA040	28101-5CK-A04
2017 Civic (Sport with M/T 5-Door)	KA	PGM-FI	ANA150	37805-5AN-A15
2017 Civic (Sport with CVT 5-Door)	KA	PGM-FI	ANA640	37805-5AN-A64
		TCM	CKC040	28101-5CK-C04
2017 Civic (Sport with CVT 5-Door)	KL	PGM-FI	ANL640	37805-5AN-L64
		TCM	CKC040	28101-5CK-C04
2017 Civic (Sport Touring 5-Door)	KA	PGM-FI	ANA850	37805-5AN-A85
		TCM	CKC150	28101-5CK-C15
2018 Civic (Si 2-Door, 4-Door)	KA	PGM-FI	AMA050	37805-5AM-A05
2018 Civic (EX 2-Door) (EX-T 4-Door) (M/T)	KA	PGM-FI	AAA110	37805-5AA-A11
2018 Civic (EX 2-Door) (EX-T 4-Door)	KA	PGM-FI	AAA720	37805-5AA-A72
		TCM	GCA820	28101-5GC-A82
2018 Civic (EX 2-Door) (EX-T 4-Door)	KL	PGM-FI	AAL720	37805-5AA-L72
		TCM	GCA820	28101-5GC-A82
2018 Civic (Touring 2-Door) (EX-T w/ Honda Sensing 4-Door)	KA	PGM-FI	AAA820	37805-5AA-A82
		TCM	GCA820	28101-5GC-A82
2018 Civic (Touring 2-Door) (EX-T w/ Honda Sensing 4-Door)	KL	PGM-FI	AAL820	37805-5AA-L82
		TCM	GCA820	28101-5GC-A82
2018 Civic (EX-A with CVT 4-Door)	KA	PGM-FI	BAA510	37805-5BA-A51
		TCM	GCA820	28101-5GC-A82

Year/Model	Emission Code	Software System	Program ID (or later)	Program P/N (or later)
2018 Civic (EX-A with CVT 4-Door)	KL	PGM-FI	BAL410	37805-5BA-L41
		TCM	GCA820	28101-5GC-A82
2018 Civic (EX w/ Honda Sensing with CVT 4-Door)	KA	PGM-FI	AJA620	37805-5AJ-A62
		TCM	GCA820	28101-5GC-A82
2018 Civic (EX w/ Honda Sensing with CVT 4-Door)	KL	PGM-FI	AJL620	37805-5AJ-L62
		TCM	GCA820	28101-5GC-A82
2018 Civic (EX Navigation with CVT 4-Door)	KA	PGM-FI	AJA520	37805-5AJ-A52
		TCM	GCA820	28101-5GC-A82
2018 Civic (EX Navigation with CVT 4-Door)	KL	PGM-FI	AJL520	37805-5AJ-L52
		TCM	GCA820	28101-5GC-A82
2018 Civic (LX with M/T 5-Door)	KA	PGM-FI	ANA040	37805-5AN-A04
2018 Civic (LX with CVT 5-Door)	KA	PGM-FI	ANA540	37805-5AN-A54
		TCM	CKA040	28101-5CK-A04
2018 Civic (LX with CVT 5-Door)	KL	PGM-FI	ANL540	37805-5AN-L54
		TCM	CKA040	28101-5CK-A04
2018 Civic (LX w/ Honda Sensing 5-Door)	KA	PGM-FI	ANA750	37805-5AN-A75
		TCM	CKA150	28101-5CK-A15
2018 Civic (LX w/ Honda Sensing 5-Door)	KL	PGM-FI	ANL750	37805-5AN-L75
		TCM	CKA150	28101-5CK-A15
2018 Civic (EX, EX-L 5-Door)	KA	PGM-FI	AN9540	37805-5AN-954
		TCM	CKA040	28101-5CK-A04
2018 Civic (EX, EX-L 5-Door)	KL	PGM-FI	ANB540	37805-5AN-B54
		TCM	CKA040	28101-5CK-A04
2018 Civic (EX w/ Honda Sensing 5-Door)	KA	PGM-FI	ANA950	37805-5AN-A95
		TCM	CKA150	28101-5CK-A15
2018 Civic (EX w/ Honda Sensing 5-Door)	KL	PGM-FI	ANL950	37805-5AN-L95
		TCM	CKA150	28101-5CK-A15
2018 Civic (Sport with M/T 5-Door)	KA	PGM-FI	ANA150	37805-5AN-A15
2018 Civic (Sport with CVT 5-Door)	KA	PGM-FI	ANA640	37805-5AN-A64
		TCM	CKC040	28101-5CK-C04

Year/Model	Emission Code	Software System	Program ID (or later)	Program P/N (or later)
2018 Civic (Sport with CVT 5-Door)	KL	PGM-FI	ANL640	37805-5AN-L64
		TCM	CKC040	28101-5CK-C04
2018 Civic (Sport Touring with CVT 5-Door)	KA	PGM-FI	ANA850	37805-5AN-A95
		TCM	CKC150	28101-5CK-C15
2018 Civic (Sport Touring with CVT 5-Door)	KL	PGM-FI	ANL850	37805-5AN-L85
		TCM	CKC150	28101-5CK-C15

REPAIR PROCEDURE

- Reset maintenance minder main code A. Refer to the service information.
- Drain and refill the engine oil. Do not replace the oil filter. (3.4 quarts)
- Connect the i-HDS and click on the **Body Electrical**. From there, select **HVAC** and open **Data List/Snapshot** to check if the A/C control unit has been replaced. One of three options will appear; **Not Complete**, **Completed**, or **Not Applicable**.
 - If it reads **Completed** or **Not Applicable**, skip to step 5.
 - If it reads **Not Complete**, go to step 4.
- Replace the climate control unit.
 - Remove the climate control unit and replace with the new unit. See service information for additional instructions.
 - Install all parts in reverse order.
 - Run the self-diagnostics procedure with the i-HDS to make sure there are no problems in the system.
- With the i-HDS, check to see if the PGM-FI and TCM software has been updated by using the J2534 rewrite application.
 - If they are up to date, the procedure is complete.
 - If not, go to step 6.
- Update the PGM-FI and TCM software using the i-HDS J2534 rewrite software with the MVCI or DST-i. Refer to Service Bulletin 01-023, *Updating Control Units/Modules*.

NOTES

- Connect a fully charged jumper battery and leave it connected during the entire procedure to maintain steady voltage.
- Never turn the ignition to OFF or ACCESSORY during the update. If there is a problem with the update, leave the ignition turned to ON.
- To prevent control unit damage, do not operate anything electrical (headlights, audio system, brakes, A/C power windows, door locks, etc.) during the update.
- Do not use the MongoosePro VCI tool.

7. Reset the throttle position learned values by referencing the throttle body removal and installation in the service information, then do the PCM idle learn procedure. Refer to service information for additional instructions.

NOTE

For more information on the PCM idle learn procedure, see the *Tech2Tech®* video, "A Look at PCM Idle Learn".

END