

CODE 16 - FUEL INJECTOR CIRCUIT (CIVIC STANDARD)**Engine Starts and Runs**

1. Remove hazard fuse in main fuse box for 10 seconds to reset ECU. Start engine and hold engine speed at 2000 RPM for one minute. Verify if "CHECK ENGINE" light is on and if trouble code(s) is present. If not, problem is intermittent. Drive vehicle and retest.
2. If "CHECK ENGINE" light is on and trouble code 16 is present, turn ignition off. Disconnect 2-wire connector from main injector. Measure resistance between injector terminals. If resistance is not within 0.6-1.6 ohms, replace injector. If resistance is as specified, connect voltmeter positive lead to main injector's Yellow/Black wire and voltmeter negative lead to ground.
3. Turn ignition on. If battery voltage is not present for 2 seconds, repair open in Yellow/Black wire between main injector and main relay. If battery voltage is present for 2 seconds, turn ignition off. Disconnect 2-wire connector from auxiliary injector.
4. Measure resistance between auxiliary injector terminals. If resistance is not 6-10 ohms, replace auxiliary injector. If resistance is as specified, connect voltmeter positive lead to Yellow/Black wire of auxiliary injector and voltmeter negative lead to ground.
5. Turn ignition on. Battery voltage should be present for 2 seconds. If not, repair open Yellow/Black wire between auxiliary injector and main relay. If battery voltage is present for 2 seconds, go to step 6).
6. Connect voltmeter positive lead to Yellow wire of auxiliary injector connector and negative voltmeter lead to ground. Reading should be approximately 10 volts. If okay, go to step 7). If not, repair open in Yellow wire between auxiliary injector and ECU terminal A3. If wire is okay, substitute a known good ECU and retest. If specified voltage is now present, replace original ECU.
7. Measure voltage between main injector Red wire and ground. If approximately 10 volts is present, substitute a known good ECU and retest. If specified voltage is now present, replace original ECU.
8. If from step 7), voltage is not as specified, repair open in Red wire between main injector and ECU terminals A5 and A7. If wire is okay, substitute a known good ECU and retest. If specified voltage is now present, replace original ECU.

Engine Will Not Start

1. Remove hazard fuse in main fuse box for 10 seconds to reset ECU. Crank engine for at least 15 seconds to reproduce trouble code in ECU memory. Verify if "CHECK ENGINE" light is on and if trouble code (s) is present. If not, perform SPARK test in **F - BASIC TESTING** article.
2. If "CHECK ENGINE" light is on and trouble Code 16 is present, turn ignition off. Disconnect 2-wire connector from auxiliary injector. Check resistance between the injector terminals. Resistance should be 6-10 ohms. If not, replace auxiliary injector.
3. If resistance was okay, turn ignition switch on. Measure voltage between auxiliary injector connector Yellow wire and ground. If about 10 volts is present, go to step 4). If not, repair open or short in Yellow wire between auxiliary injector and ECU terminals A1 and A3. If wire is okay, substitute a known good ECU and retest. If specified voltage is now available, replace original ECU.
4. Disconnect 2-wire connector from main injector. Measure voltage between main injector's Red wire and ground. If about 10 volts is present, go to step 5). If not, repair open or short in Red wire between main

injector and ECU terminals A5 and A7. If wire is okay, substitute a known good ECU and retest. If specified voltage is now present, replace original ECU.

5. Turn ignition off. Connect voltmeter positive lead to Yellow/Black wire of auxiliary injector and voltmeter negative lead to ground. Turn ignition on. If battery voltage is present for 2 seconds, substitute a known good ECU and retest. If specified voltage is now present, replace original ECU. If battery voltage is not present for 2 seconds, go to step 6).
6. Turn ignition off. Connect ECU test harness between ECU and ECU connector. See **Fig. 2**. Jumper ECU terminals A18, A12 and A14 to each other. Turn ignition on. Check for battery voltage at Yellow/Black wire of auxiliary injector connector.
7. If battery voltage is not present, check and repair open in Black/Yellow wire between auxiliary injector and main relay or Green/Black wire between main relay and ECU terminals A12 and A14. If wires are okay, replace main relay.
8. If battery voltage was present from step 6), repair Black wire between ground on thermostat housing and ECU terminals A2 and A4. If wire is okay, substitute a known good ECU and retest. If specified voltage is now present, replace original ECU.