

## PGM-FI Main Relay (how it works and how to test for faults)

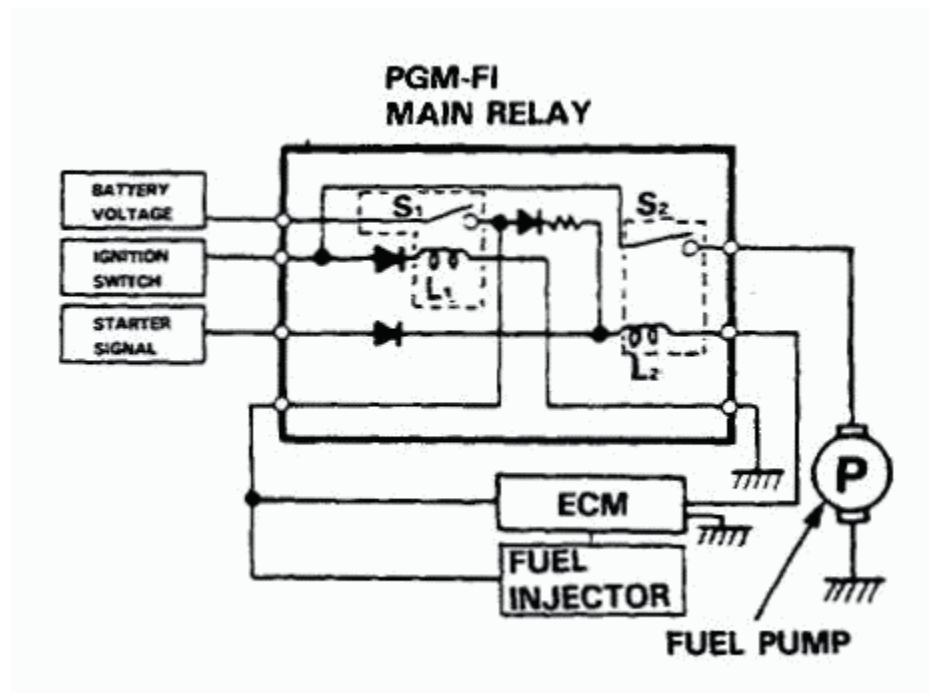
### Description

The PGM-FI main relay actually contains two individual relays.

This relay is located at the left side (LHD) or right side (RHD) of the cowl.

One relay is energized whenever the ignition is on which supplies the battery voltage to the ECM, power to the fuel injectors, and power for the second relay.

The second relay is energized for 2 seconds when the ignition is switched on, and when the engine is running, to supply power to the fuel pump.

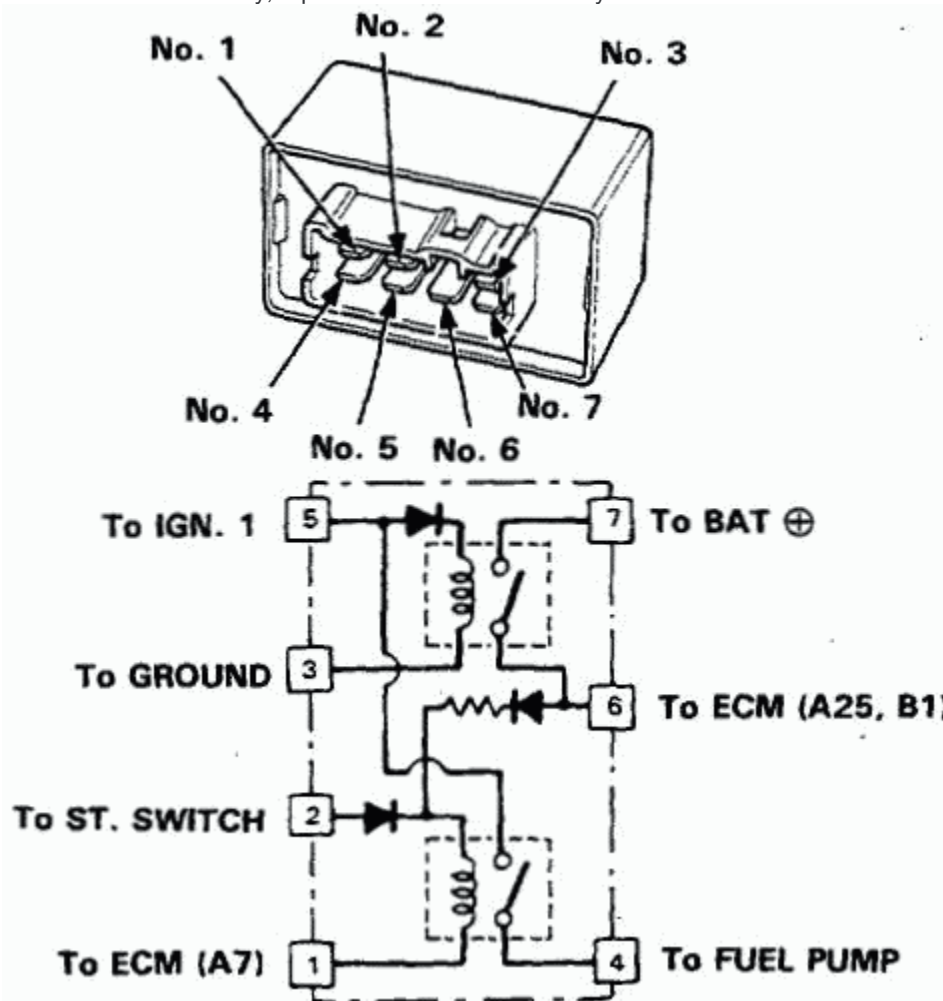


### Relay Testing

NOTE: If the car starts and continues to run, the PGMFI main relay is OK.

1. Remove the PGM-F1 main relay.
  2. Attach the battery positive terminal to the No. 2 terminal and the battery negative terminal to the No. 1 terminal of the PGM-Fi main relay. Then check for continuity between the No. 5 terminal and No. 4 terminal of the PGM-FI main relay.
- If there is continuity, go on to step 3.

- If there is no continuity, replace the PGM-FI main relay and retest.



3. Attach the battery positive terminal to the No. 5 terminal and the battery negative terminal to the No. 3 terminal of the PGM-FI main relay. Then check that there is continuity between the No. 7 terminal and No.6 terminal of the PGM-FI main relay.

- If there is continuity, go on to step 4.
- If there is no continuity, replace the PGM-FI main relay and retest.

4. Attach the battery positive terminal to the No. 6 terminal and the battery negative terminal to the No. 1 terminal of the PGM-FI main relay. Then check that there is continuity between the No. 5 terminal and No. 4 terminal of the PGM-FI main relay.

- If there is continuity, the PGM-FI main relay is OK.
- If there is no continuity, replace the PGM-FI main relay and retest.

**Source:**

[http://www.hondaworld.ru/manuals/civic95-97\\_11-89.htm](http://www.hondaworld.ru/manuals/civic95-97_11-89.htm)

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