

# PGM-FI System

## DTC Troubleshooting (cont'd)

### DTC P0335: CKP Sensor No Signal

NOTE: Before you troubleshoot, record all freeze data and any on-board snapshot, and review the general troubleshooting information (see page 11-3).

1. Turn the ignition switch ON (II).
2. Clear the DTC with the HDS.
3. Start the engine.
4. Check for Temporary DTCs or DTCs with the HDS.

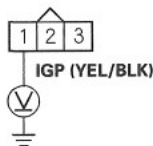
*Is DTC P0335 indicated?*

**YES**—Go to step 5.

**NO**—Intermittent failure, the system is OK at this time. Check for poor connections or loose terminals at the CKP sensor and the ECM/PCM. ■

5. Turn the ignition switch OFF.
6. Disconnect the CKP sensor 3P connector.
7. Turn the ignition switch ON (II).
8. Measure voltage between CKP sensor 3P connector terminal No. 1 and body ground.

CKP SENSOR 3P CONNECTOR



Wire side of female terminals

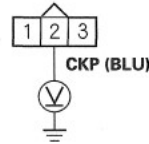
*Is there battery voltage?*

**YES**—Go to step 9.

**NO**—Repair open in the wire between the CKP sensor and PGM-FI main relay 1 (FI MAIN), then go to step 19.

9. Measure voltage between CKP sensor 3P connector terminal No. 2 and body ground.

CKP SENSOR 3P CONNECTOR



Wire side of female terminals

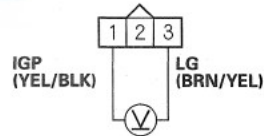
*Is there about 5 V?*

**YES**—Go to step 10.

**NO**—Go to step 11.

10. Measure voltage between CKP sensor 3P connector terminals No. 1 and No. 3.

CKP SENSOR 3P CONNECTOR



Wire side of female terminals

*Is there battery voltage?*

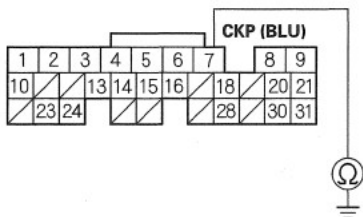
**YES**—Go to step 17.

**NO**—Repair open in the wire between the CKP sensor and G101, then go to step 19.



11. Turn the ignition switch OFF.
12. Jump the SCS line with the HDS.
13. Disconnect ECM/PCM connector A (31P).
14. Check for continuity between ECM/PCM connector terminal A7 and body ground.

ECM/PCM CONNECTOR A (31P)



Wire side of female terminals

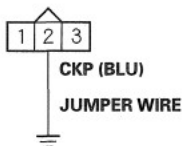
*Is there continuity?*

**YES**—Repair short in the wire between the ECM/PCM (A7) and the CKP sensor, then go to step 19.

**NO**—Go to step 15.

15. Connect CKP sensor 3P connector terminal No. 2 to body ground with a jumper wire.

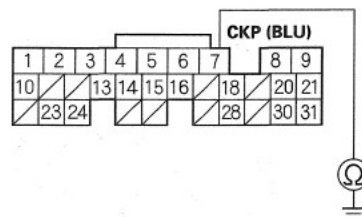
CKP SENSOR 3P CONNECTOR



Wire side of female terminals

16. Check for continuity between ECM/PCM connector terminal A7 and body ground.

ECM/PCM CONNECTOR A (31P)



Wire side of female terminals

*Is there continuity?*

**YES**—Go to step 26.

**NO**—Repair open in the wire between the ECM/PCM (A7) and the CKP sensor, then go to step 19.

17. Turn the ignition switch OFF.
18. Replace the CKP sensor (see page 11-194).
19. Reconnect all connectors.
20. Turn the ignition switch ON (II).
21. Reset the ECM/PCM with the HDS.
22. Clear the CKP pattern with the HDS.
23. Do the ECM/PCM idle learn procedure (see page 11-268).
24. Do the CKP pattern learn procedure (see page 11-4).
25. Check for Temporary DTCs or DTCs with the HDS.

*Is DTC P0335 indicated?*

**YES**—Check for poor connections or loose terminals at the CKP sensor and the ECM/PCM, then go to step 1.

**NO**—Troubleshooting is complete. If any other Temporary DTCs or DTCs are indicated, go to the indicated DTC's troubleshooting. ■

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# PGM-FI System

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## DTC Troubleshooting (cont'd)

26. Reconnect all connectors.
27. Update the ECM/PCM if it does not have the latest software (see page 11-7), or substitute a known-good ECM/PCM (see page 11-8).
28. Check for Temporary DTCs or DTCs with the HDS.

*Is DTC P0335 indicated?*

**YES**—Check for poor connections or loose terminals at the CKP sensor and the ECM/PCM. If the ECM/PCM was updated, substitute a known-good ECM/PCM (see page 11-8), then recheck. If the ECM/PCM was substituted, go to step 1.

**NO**—If the ECM/PCM was updated, troubleshooting is complete. If the ECM/PCM was substituted, replace the original ECM/PCM (see page 11-197). If any other Temporary DTCs or DTCs are indicated, go to the indicated DTC's troubleshooting. ■

