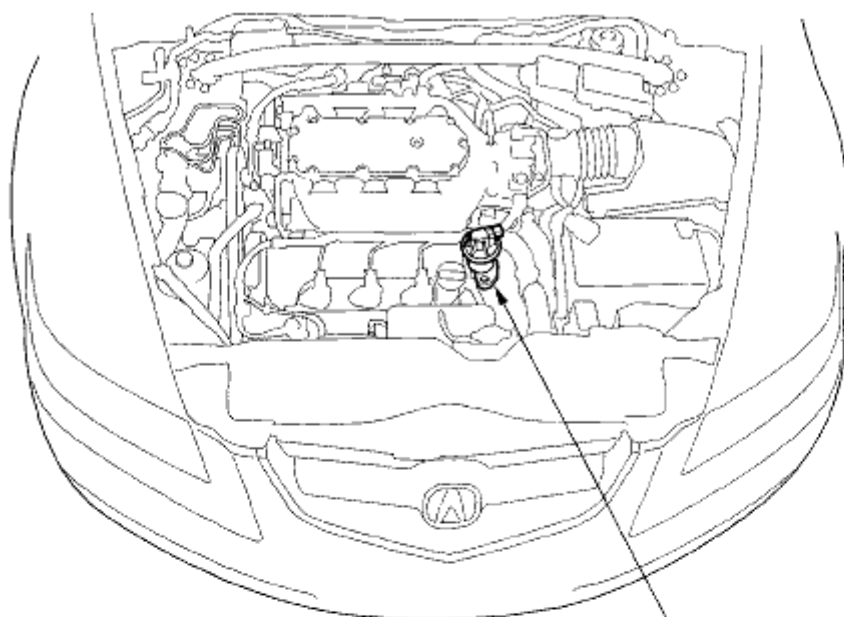


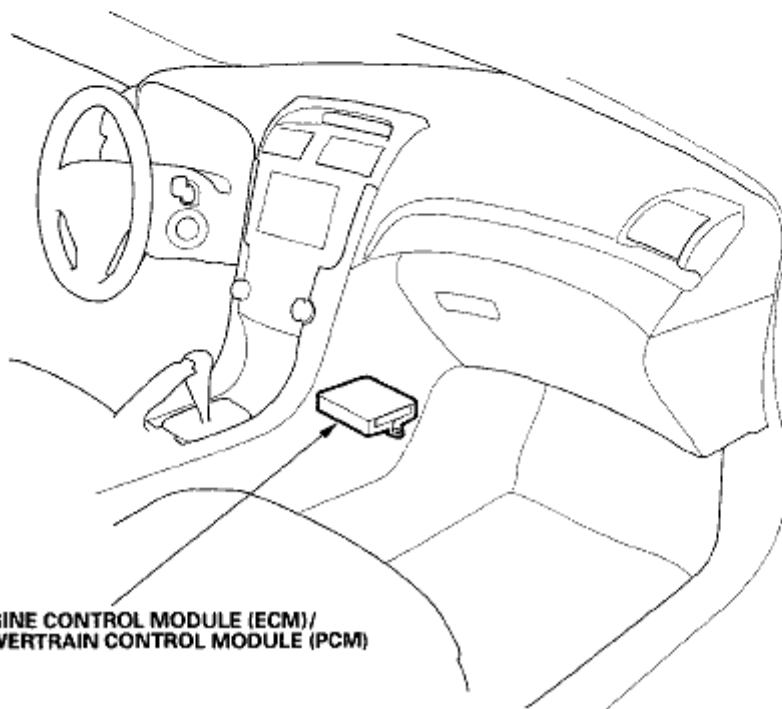
2007-08 ENGINE PERFORMANCE

EGR System - TL

COMPONENT LOCATION INDEX



EXHAUST GAS RECIRCULATION (EGR) VALVE



ENGINE CONTROL MODULE (ECM)/
POWERTRAIN CONTROL MODULE (PCM)

Fig. 1: Identifying EGR System Components Location
Courtesy of AMERICAN HONDA MOTOR CO., INC.

DTC TROUBLESHOOTING

DTC P0401: EGR INSUFFICIENT FLOW

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

1. Turn the ignition switch ON (II).
2. Clear the DTC with the HDS.
3. Start the engine. Hold the engine speed at 3,000 rpm without load (in Park or neutral) until the radiator fan comes on, then let it idle.
4. Do the EGR TEST in the INSPECTION MENU with the HDS.

Is the result OK?

YES -Go to step 5.

NO -Go to step 7.

5. Test-drive under these conditions:
 - Engine coolant temperature (ECT SENSOR 1) above 158°F (70°C)
 - M/T in 4th gear (A/T in D position)
 - Drive at a steady speed between 55-75 mph (88-120 km/ h) for at least 10 seconds.
 - During the drive, decelerate (with the throttle fully closed) for 5 seconds
6. Monitor the OBD STATUS for DTC P0401 in the DTCs MENU with the HDS.

Does the screen indicate FAILED?

YES -Remove the engine cover (see step 1 on INTAKE MANIFOLD REMOVAL AND INSTALLATION), and clean the intake manifold, and EGR port passages inside the EGR valve with throttle plate and induction cleaner, then go to step 9.

NO -If the screen indicates PASSED, intermittent failure, the system is OK at this time. Check for poor connections or loose terminals at the EGR valve and the ECM/PCM. If the screen indicates EXECUTING, keep driving until a result comes on. If the screen indicates OUT OF CONDITION, go to step 5 and recheck.

7. Turn the ignition switch OFF.
8. Replace the EGR valve (see EGR VALVE REPLACEMENT).
9. Turn the ignition switch ON (II).
10. Reset the ECM/PCM with the HDS.
11. Do the ECM/PCM idle learn procedure (see ECM/PCM IDLE LEARN PROCEDURE).
12. Test-drive under these conditions:
 - Engine coolant temperature (ECT SENSOR 1) above 158°F (70°C)
 - M/T in 4th gear (A/T in D position)

- Drive at a steady speed between 55-75 mph (88-120 km/h) for at least 10 seconds.
- During the drive, decelerate (with the throttle fully closed) for 5 seconds

13. Check for Temporary DTCs or DTCs with the HDS.

Is DTC P0401 indicated?

YES -Check for poor connections or loose terminals at the EGR valve and the ECM/PCM. If the connections and terminals are OK, go to step 15.

NO -Go to step 14.

14. Monitor the OBD STATUS for DTC P0401 in the DTCs MENU with the HDS.

Does the screen indicate PASSED?

YES -Troubleshooting is complete. If any other Temporary DTCs or DTCs were indicated in step 13, go to the indicated DTC's troubleshooting.

NO -If the screen indicates FAILED, check for poor connections or loose terminals at the EGR valve and the ECM/PCM go to step 1. If the screen indicates EXECUTING, keep driving until a result comes on. If the screen indicates OUT OF CONDITION, go to step 12.

15. Update the ECM/PCM if it does not have the latest software (see **UPDATING THE ECM/PCM**), or substitute a known-good ECM/PCM (see **SUBSTITUTING THE ECM/PCM**).

16. Test-drive under these conditions:

- Engine coolant temperature (ECT SENSOR 1) above 158°F (70°C)
- M/T in 4th gear (A/T in D position)
- Drive at a steady speed between 55-75 mph (88-120 km/h) for at least 10 seconds.
- During the drive, decelerate (with the throttle fully closed) for 5 seconds

17. Check for Temporary DTCs or DTCs with the HDS.

Is DTC P0401 indicated?

YES -Check for poor connections or loose terminals at the EGR valve and the ECM/PCM. If the ECM/PCM was updated, substitute a known-good ECM/PCM (see **SUBSTITUTING THE ECM/PCM**), then go to step 16. If the ECM/PCM was substituted, go to step 1.

NO -Go to step 18.

18. Monitor the OBD STATUS for DTC P0401 in the DTCs MENU with the HDS.

Does the screen indicate PASSED?

YES -If the ECM/PCM was updated, troubleshooting is complete. If the ECM/PCM was substituted, replace the original ECM/PCM (see **ECM/PCM REPLACEMENT**). If any other Temporary DTCs or DTCs were indicated in step 17, go to the indicated DTC's troubleshooting.

NO -If the screen indicates FAILED, check for poor connections or loose terminals at the EGR valve

and the ECM/PCM. If the ECM/PCM was updated, substitute a known-good ECM/PCM (see **SUBSTITUTING THE ECM/PCM**), then go to step 16. If the ECM/PCM was substituted, go to step 1. If the screen indicates EXECUTING, keep driving until a result comes on. If the screen indicates OUT OF CONDITION, go to step 16.

DTC P0404: EGR VALVE CIRCUIT RANGE/ PERFORMANCE PROBLEM

NOTE: Before you troubleshoot, record all freeze data and any on-board snapshot, and review the general troubleshooting information (see **GENERAL TROUBLESHOOTING INFORMATION**).

1. Turn the ignition switch ON (II).
2. Clear the DTC with the HDS.
3. Start the engine. Hold the engine speed at 3,000 rpm without load (in Park or neutral) until the radiator fan comes on, then let it idle.
4. Do the EGR TEST in the INSPECTION MENU with the HDS.

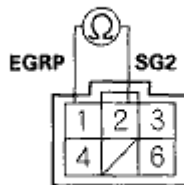
Is the result OK?

YES -Intermittent failure, the system is OK at this time. Clean any carbon build-up on the EGR valve with throttle plate and induction cleaner.

NO -Go to step 5.

5. Turn the ignition switch OFF.
6. Disconnect the EGR valve 6P connector.
7. At the EGR valve side, measure resistance between EGR valve 6P connector terminals No. 1 and No. 2.

EGR VALVE 6P CONNECTOR



Terminal side of male terminals

Fig. 2: Measuring Resistance Between EGR Valve 6P Connector Terminals No. 1 And No. 2
Courtesy of AMERICAN HONDA MOTOR CO., INC.

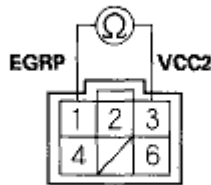
Is there 100 kohms or more?

YES -Go to step 26.

NO -Go to step 8.

8. At the EGR valve side; measure resistance between EGR valve 6P connector terminals No. 1 and No. 3.

EGR VALVE 6P CONNECTOR



Terminal side of male terminals

Fig. 3: Measuring Resistance Between EGR Valve 6P Connector Terminals No. 1 And No. 3
Courtesy of AMERICAN HONDA MOTOR CO., INC.

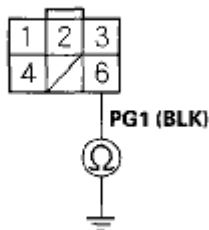
Is there 100 kohms or more?

YES -Go to step 26.

NO -Go to step 9.

9. Check for continuity between EGR valve 6P connector terminal No. 6 and body ground.

EGR VALVE 6P CONNECTOR



Wire side of female terminals

Fig. 4: Checking Continuity Between EGR Valve 6P Connector Terminal No. 6 And Body Ground
Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES -Go to step 10.

NO -Repair open in the wire between the EGR valve and G101, then go to step 27.

10. Jump the SCS line with the HDS.
11. Disconnect ECM/PCM connector B (24P).
12. Check for continuity between ECM/PCM connector terminal B5 and body ground.

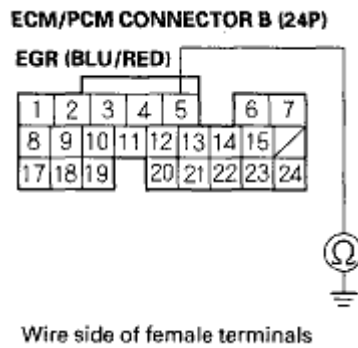


Fig. 5: Checking Continuity Between ECM/PCM Connector Terminal B5 And Body Ground
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES -Repair short in the wire between the ECM/PCM (B5) and the EGR valve, then go to step 27.

NO -Go to step 13.

13. Connect EGR valve 6P connector terminal No. 4 to body ground with a jumper wire.

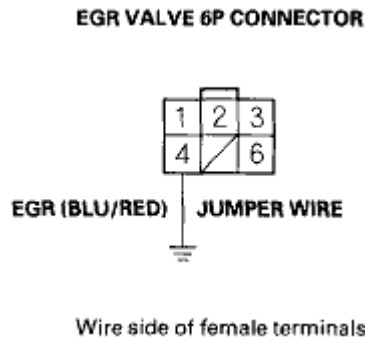


Fig. 6: Connecting EGR Valve 6P Connector Terminal No. 4 To Body Ground With Jumper Wire
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

14. Check for continuity between ECM/PCM connector terminal B5 and body ground.

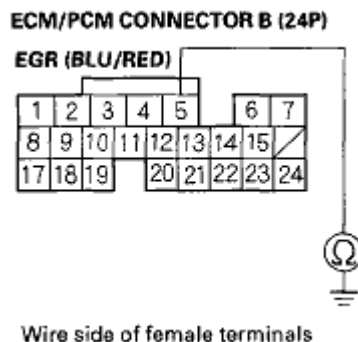


Fig. 7: Checking Continuity Between ECM/PCM Connector Terminal B5 And Body Ground
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES -Go to step 15.

NO -Repair open in the wire between the ECM/PCM (B5) and the EGR valve, then go to step 27.

15. Remove the EGR valve (see **EGR VALVE REPLACEMENT**).
16. Clean the intake manifold EGR port and the passage inside the EGR valve with throttle plate and induction cleaner.
17. Install the EGR valve (see **EGR VALVE REPLACEMENT**).
18. Reconnect the EGR valve 6P connector.
19. Reconnect ECM/PCM connector B (24P).
20. Turn the ignition switch ON (II).
21. Reset the ECM/PCM with the HDS.
22. Do the ECM/PCM idle learn procedure (see **ECM/PCM IDLE LEARN PROCEDURE**).
23. Start the engine. Hold the engine speed at 3,000 rpm without load (in Park or neutral) until the radiator fan comes on, then let it idle.
24. Do the EGR TEST in the INSPECTION MENU with the HDS.

Is the result OK?

YES -Go to step 33.

NO -Go to step 25.

25. Turn the ignition switch OFF.
26. Replace the EGR valve (see **EGR VALVE REPLACEMENT**).
27. Reconnect all connectors.
28. Turn the ignition switch ON (II).
29. Reset the ECM/PCM with the HDS.
30. Do the ECM/PCM idle learn procedure (see **ECM/PCM IDLE LEARN PROCEDURE**).
31. Start the engine. Hold the engine speed at 3,000 rpm without load (in Park or neutral) until the radiator fan comes on, then let it idle.
32. Do the EGR TEST in the INSPECTION MENU with the HDS.
33. Check for Temporary DTCs or DTCs with the HDS.

Is DTC P0404 indicated?

YES -Check for poor connections or loose terminals at the EGR valve and the ECM/PCM. If the connections and terminals are OK, go to step 35.

NO -Go to step 34.

34. Monitor the OBD STATUS for DTC P0404 in the DTCs MENU with the HDS.

Does the screen indicate PASSED?

YES -Troubleshooting is complete. If any other Temporary DTCs or DTCs were indicated in step 33, go to the indicated DTCs troubleshooting.

NO -If the screen indicates FAILED, check for poor connections or loose terminals at the EGR valve and the ECM/PCM, then go to step 1. If the screen indicates EXECUTING, keep driving until a result comes on. If the screen indicates OUT OF CONDITION, go to step 31.

35. Update the ECM/PCM if it does not have the latest software (see **UPDATING THE ECM/PCM**), or substitute a known-good ECM/PCM (see **SUBSTITUTING THE ECM/PCM**).
36. Start the engine. Hold the engine speed at 3,000 rpm without load (in Park or neutral) until the radiator fan comes on, then let it idle.
37. Do the EGR TEST in the INSPECTION MENU with the HDS.
38. Check for Temporary DTCs or DTCs with the HDS.

Is DTC P0404 indicated?

YES -Check for poor connections or loose terminals at the EGR valve and the ECM/PCM. If the ECM/PCM was updated, substitute a known-good ECM/PCM (see **SUBSTITUTING THE ECM/PCM**), then go to step 36. If the ECM/PCM was substituted, go to step 1.

NO -Go to step 39.

39. Monitor the OBD STATUS for DTC P0404 in the DTCs MENU with the HDS.

Does the screen indicate PASSED?

YES -If the ECM/PCM was updated, troubleshooting is complete. If the ECM/PCM was substituted, replace the original ECM/PCM (see **ECM/PCM REPLACEMENT**). If any other Temporary DTCs or DTCs were indicated in step 38, go to the indicated DTCs troubleshooting.

NO -If the screen indicates FAILED, check for poor connections or loose terminals at the EGR valve and the ECM/PCM. If the ECM/PCM was updated, substitute a known-good ECM/PCM (see **SUBSTITUTING THE ECM/PCM**), then go to step 36. If the ECM/PCM was substituted, go to step 1. If the screen indicates EXECUTING, keep driving until a result comes on. If the screen indicates OUT OF CONDITION, go to step 36.

DTC P0406: EGR VALVE POSITION SENSOR CIRCUIT HIGH VOLTAGE

NOTE: Before you troubleshoot, record all freeze data and any on-board snapshot, and review the general troubleshooting information (see **GENERAL TROUBLESHOOTING INFORMATION**).

1. Turn the ignition switch ON (II).
2. Check the EGR VLS in the DATA LIST with the HDS.

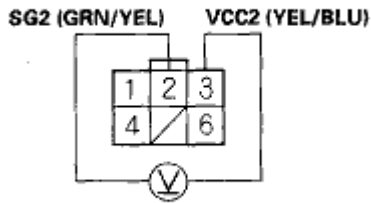
Is 4.88 V or higher indicated?

YES -Go to step 3.

NO -Intermittent failure, the system is OK at this time. Check for poor connections or loose terminals at the EGR valve and the ECM/PCM.

3. Turn the ignition switch OFF.
4. Disconnect the EGR valve 6P connector.
5. Turn the ignition switch ON (II).
6. Measure voltage between EGR valve 6P connector terminals No. 2 and No. 3.

EGR VALVE 6P CONNECTOR



Wire side of female terminals

Fig. 8: Measuring Voltage Between EGR Valve 6P Connector Terminals No. 2 And No. 3
Courtesy of AMERICAN HONDA MOTOR CO., INC.

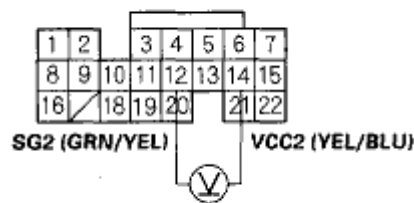
Is there about 5 V?

YES -Go to step 8.

NO -Go to step 7.

7. Measure voltage between ECM/PCM connector terminals C14 and C12.

ECM/PCM CONNECTOR C (22P)



Wire side of female terminals

Fig. 9: Measuring Voltage Between ECM/PCM Connector Terminals C14 And C12
Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there about 5 V?

YES -Repair open in the wire between the EGR valve and the ECM/PCM (C12), then go to step 10.

NO -Go to step 14.

8. Turn the ignition switch OFF.

9. Replace the EGR valve (see **EGR VALVE REPLACEMENT**).
10. Turn the ignition switch ON (II).
11. Reset the ECM/PCM with the HDS.
12. Do the ECM/PCM idle learn procedure (see **ECM/PCM IDLE LEARN PROCEDURE**).
13. Check for Temporary DTCs or DTCs with the HDS.

Is DTC P0406 indicated?

YES -Check for poor connections or loose terminals at the EGR valve 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 DTCs troubleshooting.

14. Turn the ignition switch OFF.
15. Reconnect all connectors.
16. Update the ECM/PCM if it does not have the latest software (see **UPDATING THE ECM/PCM**), or substitute a known-good ECM/PCM (see **SUBSTITUTING THE ECM/PCM**).
17. Check for Temporary DTCs or DTCs with the HDS.

Is DTC P0406 indicated?

YES -Check for poor connections or loose terminals at the EGR valve and the ECM/PCM. If the ECM/PCM was updated, substitute a known-good ECM /PCM (see **SUBSTITUTING THE ECM/PCM**), 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 **ECM/PCM REPLACEMENT**). If any other Temporary DTCs or DTCs are indicated DTCs troubleshooting.

DTC P2413: EGR SYSTEM MALFUNCTION

NOTE: **Before you troubleshoot, record all freeze data and any on-board snapshot, and review the general troubleshooting information (see **GENERAL TROUBLESHOOTING INFORMATION**).**

1. Turn the ignition switch ON (II).
2. Clear the DTC with the HDS.
3. Start the engine. Hold the engine speed at 3,000 rpm without load (in Park or neutral) until the radiator fan comes on, then let it idle.
4. Do the EGR TEST in the INSPECTION MENU with the HDS.

Is the result OK?

YES -Intermittent failure, the system is OK at this time. Check for poor connections or loose terminals at the EGR valve and the ECM/PCM.

NO -Go to step 5.

5. Turn the ignition switch OFF.
6. Turn the ignition switch ON (II).
7. Check the EGR VLS in the DATA LIST with the HDS.

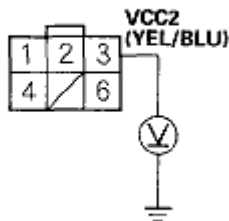
Is about 0 V indicated?

YES -Go to step 8.

NO -Go to step 19.

8. Turn the ignition switch OFF.
9. Disconnect the EGR valve 6P connector.
10. Turn the ignition switch ON (II).
11. Measure voltage between EGR valve 6P connector terminal No. 3 and body ground.

EGR VALVE 6P CONNECTOR



Wire side of female terminals

Fig. 10: Measuring Voltage Between EGR Valve 6P Connector Terminal No. 3 And Body Ground

Courtesy of AMERICAN HONDA MOTOR CO., INC.

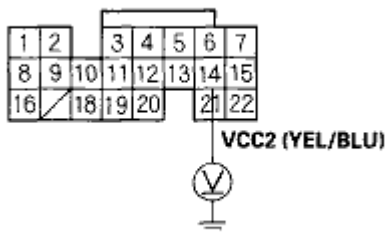
Is there about 5 V?

YES -Go to step 13.

NO -Go to step 12.

12. Measure voltage between ECM/PCM connector terminal C14 and body ground.

ECM/PCM CONNECTOR C (22P)



Wire side of female terminals

Fig. 11: Measuring Voltage Between ECM/PCM Connector Terminal C14 And Body Ground
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

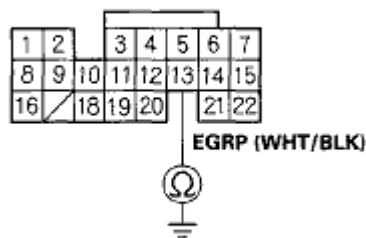
Is there about 5 V?

YES -Repair open in the wire between the EGR valve and the ECM/PCM (C14), then go to step 44.

NO -Go to step 51.

13. Turn the ignition switch OFF.
14. Jump the SCS line with the HDS.
15. Disconnect ECM/PCM connector C (22P).
16. Check for continuity between ECM/PCM connector terminal C13 and body ground.

ECM/PCM CONNECTOR C (22P)



Wire side of female terminals

Fig. 12: Checking Continuity Between ECM/PCM Connector Terminal C13 And Body Ground
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

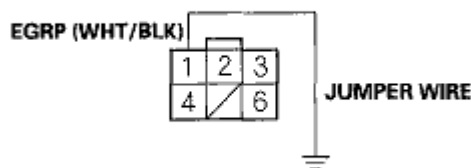
Is there continuity?

YES -Repair short in the wire between the ECM/PCM (C13) and the EGR valve, then go to step 44.

NO -Go to step 17.

17. Connect EGR valve 6P connector terminal No. 1 to body ground with a jumper wire.

EGR VALVE 6P CONNECTOR

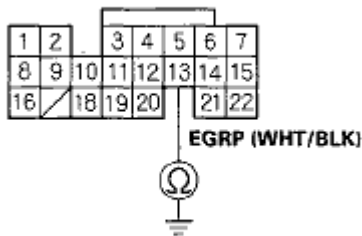


Wire side of female terminals

Fig. 13: Connecting EGR Valve 6P Connector Terminal No. 1 To Body Ground With Jumper Wire
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

18. Check for continuity between ECM/PCM connector terminal C13 and body ground.

ECM/PCM CONNECTOR C (22P)



Wire side of female terminals

Fig. 14: Checking Continuity Between ECM/PCM Connector Terminal C13 And Body Ground
Courtesy of AMERICAN HONDA MOTOR CO., INC.

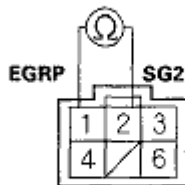
Is there continuity?

YES -Go to step 19.

NO -Repair open in the wire between the ECM/PCM (C13) and the EGR valve, then go to step 44.

19. Turn the ignition switch OFF.
 20. If not already done, disconnect the EGR valve 6P connector.
 21. At the EGR valve side, measure resistance between EGR valve 6P connector terminals No. 1 and No. 2.

EGR VALVE 6P CONNECTOR



Terminal side of male terminals

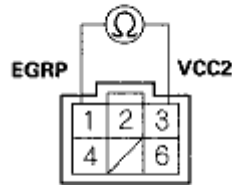
Fig. 15: Measuring Resistance Between EGR Valve 6P Connector Terminals No. 1 And No. 2
Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there 100 kohms or more?

YES -Go to step 43.

NO -Go to step 22.

22. At the EGR valve side, measure resistance between EGR valve 6P connector terminals No. 1 and No. 3.

EGR VALVE 6P CONNECTOR

Terminal side of male terminals

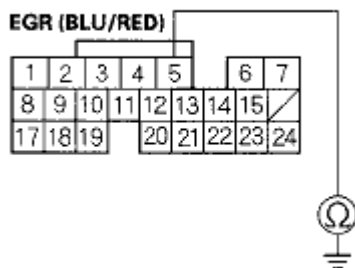
Fig. 16: Measuring Resistance Between EGR Valve 6P Connector Terminals No. 1 And No. 3
Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there 100 kohms or more?

YES -Go to step 43.

NO -Go to step 23.

23. If not already done, jump the SCS line with the HDS.
24. If not already done, disconnect ECM/PCM connector B (24P).
25. Check for continuity between ECM/PCM connector terminal B5 and body ground.

ECM/PCM CONNECTOR B (24P)

Wire side of female terminals

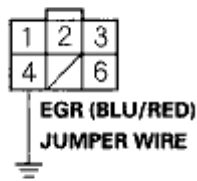
Fig. 17: Checking Continuity Between ECM/PCM Connector Terminal B5 And Body Ground
Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES -Repair short in the wire between the ECM/PCM (B5) and the EGR valve, then go to step 44.

NO -Go to step 26.

26. Connect EGR valve 6P connector terminal No. 4 to body ground with a jumper wire.

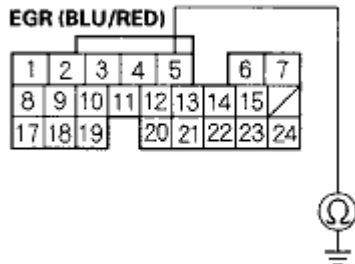
EGR VALVE 6P CONNECTOR

Wire side of female terminals

Fig. 18: Connecting EGR Valve 6P Connector Terminal No. 4 To Body Ground With Jumper Wire

Courtesy of AMERICAN HONDA MOTOR CO., INC.

27. Check for continuity between ECM/PCM connector terminal B5 and body ground.

ECM/PCM CONNECTOR B (24P)

Wire side of female terminals

Fig. 19: Checking Continuity Between ECM/PCM Connector Terminal B5 And Body Ground

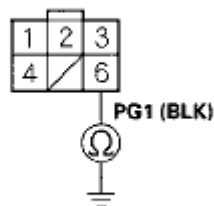
Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES -Go to step 28.

NO -Repair open in the wire between the ECM/PCM (B5) and the EGR valve, then go to step 44.

28. Remove the jumper wire from the EGR valve 6P connector.
29. Check for continuity between EGR valve 6P connector terminal No. 6 and body ground.

EGR VALVE 6P CONNECTOR

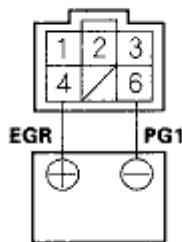
Wire side of female terminals

Fig. 20: Checking Continuity Between EGR Valve 6P Connector Terminal No. 6 And Body

Ground**Courtesy of AMERICAN HONDA MOTOR CO., INC.***Is there continuity?***YES** -Go to step 30.**NO** -Repair open in the wire between the EGR valve and G101, then go to step 44.

30. Reconnect ECM/PCM connector B (24P).

31. Connect the battery positive terminal to EGR valve 6P connector terminal No. 4 with a jumper wire.

EGR VALVE 6P CONNECTOR

Terminal side of male terminals

Fig. 21: Connecting Battery Positive Terminal To EGR Valve 6P Connector Terminal No. 4 With Jumper Wire**Courtesy of AMERICAN HONDA MOTOR CO., INC.**

32. Start the engine and let it idle, then connect the battery negative terminal to EGR valve 6P connector terminal No. 6 with a jumper wire.

*Does the engine stall or run rough?***YES** -Go to step 51.**NO** -Go to step 33.

33. Turn the ignition switch OFF.

34. Remove the EGR valve (see **EGR VALVE REPLACEMENT**).

35. Clean the intake manifold EGR port and the passage inside the EGR valve with throttle plate and induction cleaner.

36. Install the EGR valve (see **EGR VALVE REPLACEMENT**).

37. Reconnect the EGR valve 6P connector.

38. Turn the ignition switch ON (II).

39. Reset the ECM/PCM with the HDS.

40. Do the ECM/PCM idle learn procedure (see **ECM/PCM IDLE LEARN PROCEDURE**).

41. Do the EGR TEST in the INSPECTION MENU with the HDS.

Is the result OK?

YES -Go to step 49.

NO -Go to step 42.

42. Turn the ignition switch OFF.
43. Replace the EGR valve (see **EGR VALVE REPLACEMENT**).
44. Reconnect all connectors.
45. Turn the ignition switch ON (II).
46. Reset the ECM/PCM with the HDS.
47. Do the ECM/PCM idle learn procedure (see **ECM/PCM IDLE LEARN PROCEDURE**).
48. Do the EGR TEST in the INSPECTION MENU with the HDS.
49. Check for Temporary DTCs or DTCs with the HDS.

Is DTC P2413 indicated?

YES -Check for poor connections or loose terminals at the EGR valve and the ECM/PCM, then go to step 1.

NO -Go to step 50.

50. Monitor the OBD STATUS for DTC P2413 in the DTCs MENU with the HDS.

Does the screen indicate PASSED?

YES -Troubleshooting is complete. If any other Temporary DTCs or DTCs were indicated in step 49, go to the indicated DTCs troubleshooting.

NO -If the screen indicates FAILED, check for poor connections or loose terminals at the EGR valve and the ECM/PCM, then go to step 1. If the screen indicates EXECUTING, keep idling until a result comes on. If the screen indicates OUT OF CONDITION, go to step 48.

51. Turn the ignition switch OFF.
52. Reconnect all connectors.
53. Update the ECM/PCM if it does not have the latest software (see **UPDATING THE ECM/PCM**), or substitute a known-good ECM/PCM (see **SUBSTITUTING THE ECM/PCM**).
54. Do the EGR TEST in the INSPECTION MENU with the HDS.
55. Check for Temporary DTCs or DTCs with the HDS.

Is DTC P2413 indicated?

YES -Check for poor connections or loose terminals at the EGR valve and the ECM/PCM. If the ECM/PCM was updated, substitute a known-good ECM/PCM (see **SUBSTITUTING THE ECM/PCM**), then go to step 54. If the ECM/PCM was substituted, go to step 1.

NO -Go to step 56.

56. Monitor the OBD STATUS for DTC P2413 in the DTCs MENU with the HDS.

Does the screen indicate PASSED?

YES -If the ECM/PCM was updated, troubleshooting is complete. If the ECM/PCM was substituted, replace the original ECM/PCM (see **ECM/PCM REPLACEMENT**). If any other Temporary DTCs or DTCs were indicated in step 55, go to the indicated DTCs troubleshooting.

NO -If the screen indicates FAILED, check for poor connections or loose terminals at the EGR valve and the ECM/PCM. If the ECM/PCM was updated, substitute a known-good ECM/PCM (see **SUBSTITUTING THE ECM/PCM**), then go to step 54. If the ECM/PCM was substituted, go to step 1. If the screen indicates EXECUTING, keep idling until a result comes on. If the screen indicates OUT OF CONDITION, go to step 54.

EGR VALVE REPLACEMENT

1. Remove the engine cover (see step 1 on **INTAKE MANIFOLD REMOVAL AND INSTALLATION**).
2. Disconnect EGR valve 6P connector (A).

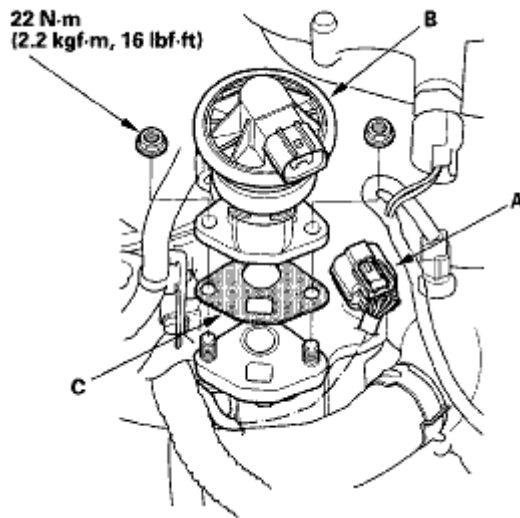


Fig. 22: Identifying EGR Valve 6P Connector With Torque Specifications
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Remove the EGR valve (B).
4. Install the parts in the reverse order of removal with a new gasket (C).