

2007-08 ENGINE PERFORMANCE

Intake Air System - TL

COMPONENT LOCATION INDEX

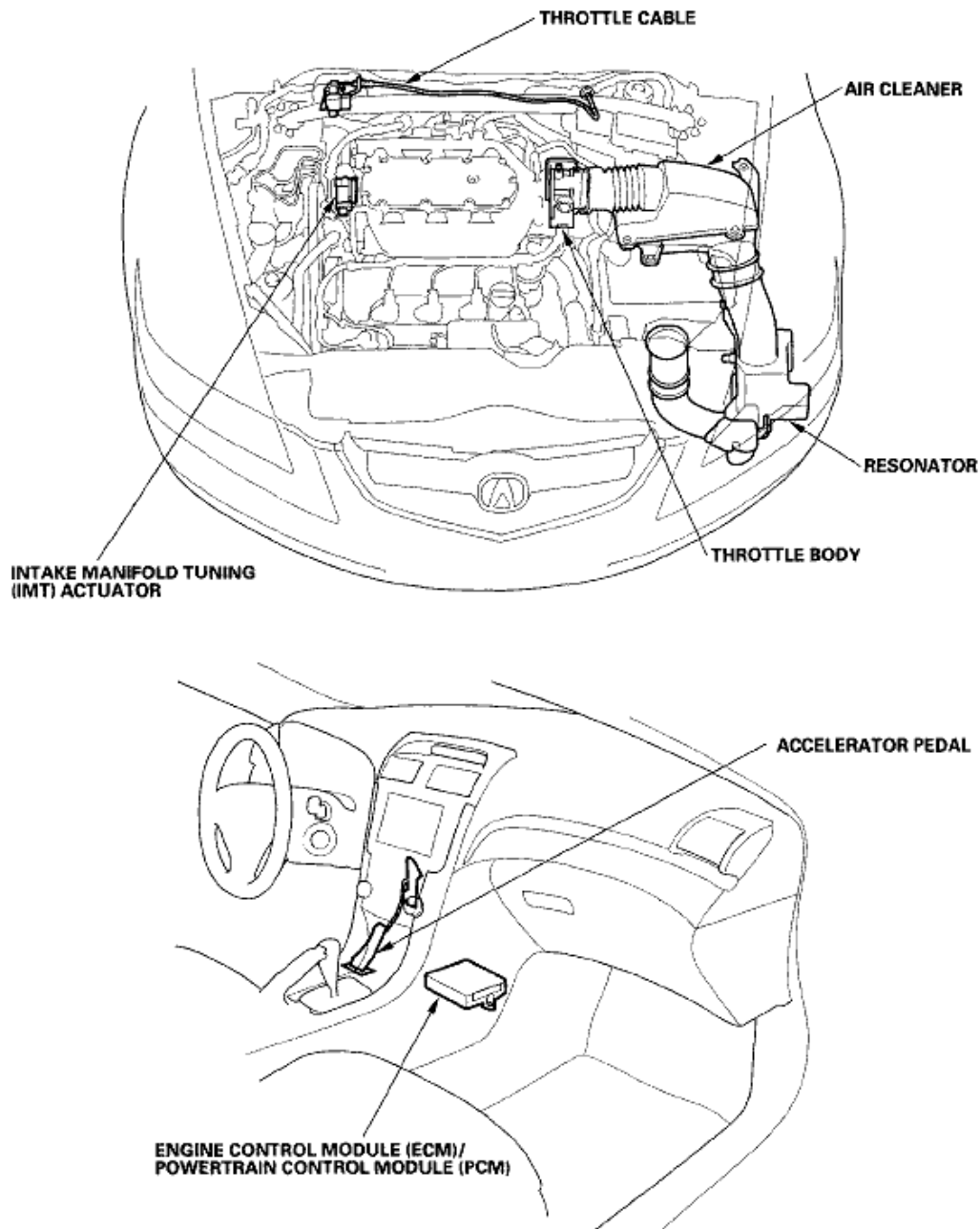


Fig. 1: Identifying Intake Air System Component Location

Courtesy of AMERICAN HONDA MOTOR CO., INC.

DTC TROUBLESHOOTING

DTC P1077: IMT VALVE STUCK IN HIGH RPM POSITION

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 above 4,000 rpm.
4. Check the IMT VALVE CMD in the DATA LIST with the HDS.

Is OPEN indicated?

YES -Go to step 5.

NO -Go to step 34.

5. Check the IMT VALVE SW in the DATA LIST with the HDS.

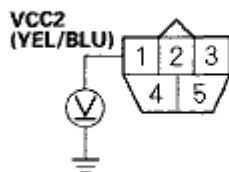
Is CLOSED indicated?

YES -Go to step 6.

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

6. Let the engine idle, then turn the ignition switch OFF.
7. Disconnect the IMT actuator 5P connector.
8. Turn the ignition switch ON (II).
9. Measure voltage between IMT actuator 5P connector terminal No. 1 and body ground.

IMT ACTUATOR 5P CONNECTOR



Wire side of female terminals

Fig. 2: Measuring Voltage Between IMT Actuator 5P Connector Terminal No. 1 And Body Ground

Courtesy of AMERICAN HONDA MOTOR CO., INC.

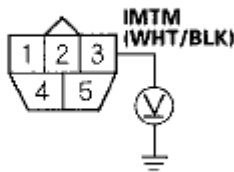
Is thereabout 5 V?

YES -Go to step 10.

NO -Repair open in the wire between the ECM/PCM (C14) and the IMT actuator, then go to step 27.

10. Measure voltage between IMT actuator 5P connector terminal No. 3 and body ground.

IMT ACTUATOR 5P CONNECTOR



Wire side of female terminals

Fig. 3: Measuring Voltage Between IMT Actuator 5P Connector Terminal No. 3 And Body Ground

Courtesy of AMERICAN HONDA MOTOR CO., INC.

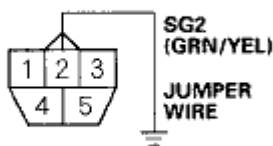
Is there about 5 V?

YES -Go to step 11.

NO -Go to step 16.

11. Turn the ignition switch OFF.
12. Jump the SCS line with the HDS.
13. Disconnect ECM/PCM connector C (22P).
14. Connect IMT actuator 5P connector terminal No. 2 to body ground with a jumper wire.

IMT ACTUATOR 5P CONNECTOR

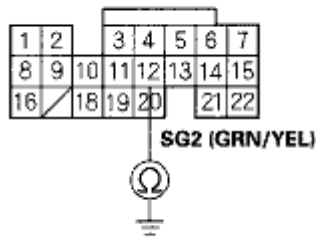


Wire side of female terminals

Fig. 4: Connecting IMT Actuator 5P Connector Terminal No. 2 To Body Ground With Jumper Wire

Courtesy of AMERICAN HONDA MOTOR CO., INC.

15. Check for continuity between ECM/PCM connector terminal C12 and body ground.

ECM/PCM CONNECTOR C (22P)

Wire side of female terminals

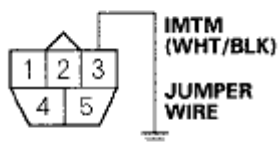
Fig. 5: Checking Continuity Between ECM/PCM Connector Terminal C12 And Body Ground
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES -Go to step 19.

NO -Repair open in the wire between the ECM/PCM (C12) and the IMT actuator, then go to step 27.

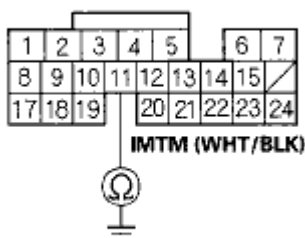
16. Disconnect ECM/PCM connector B (24P).
17. Connect IMT actuator 5P connector terminal No. 3 to body ground with a jumper wire.

IMT ACTUATOR 5P CONNECTOR

Wire side of female terminals

Fig. 6: Connecting IMT Actuator 5P Connector Terminal No. 3 To Body Ground With Jumper Wire
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

18. Check for continuity between ECM/PCM connector terminal B11 and body ground.

ECM/PCM CONNECTOR B (24P)

Wire side of female terminals

Fig. 7: Checking Continuity Between ECM/PCM Connector Terminal B11 And Body Ground

Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES -Go to step 35.

NO -Repair open in the wire between the ECM/PCM (B11) and the IMT actuator, then go to step 27.

19. Check for continuity between ECM/PCM connector terminal B4 and body ground.

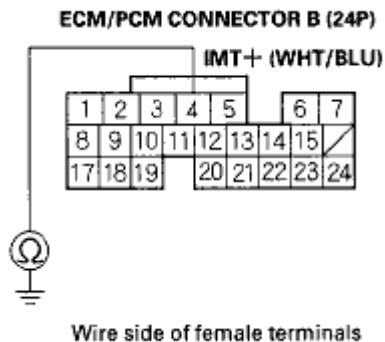


Fig. 8: Checking Continuity Between ECM/PCM Connector Terminal B4 And Body Ground
Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES -Repair short in the wire between the ECM/PCM (B4) and the IMT actuator, then go to step 27.

NO -Go to step 20.

20. Connect IMT actuator 5P connector terminal No. 5 to body ground with a jumper wire.

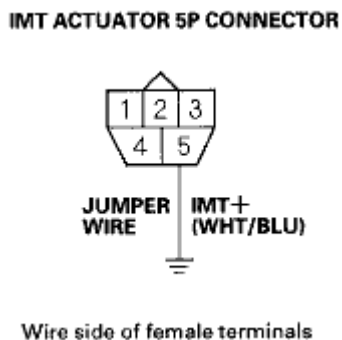


Fig. 9: Connecting IMT Actuator 5P Connector Terminal No. 5 To Body Ground With Jumper Wire
Courtesy of AMERICAN HONDA MOTOR CO., INC.

21. Check for continuity between ECM/PCM connector terminal B4 and body ground.

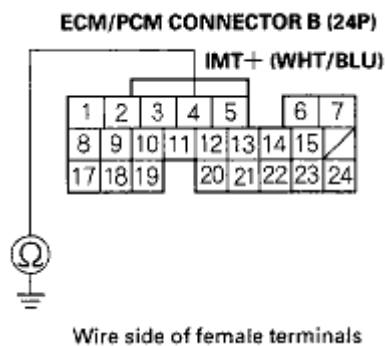


Fig. 10: Checking Continuity Between ECM/PCM Connector Terminal B4 And Body Ground
Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES -Go to step 22.

NO -Repair open in the wire between the ECM/PCM (B4) and the IMT actuator, then go to step 27.

22. Check for continuity between ECM/PCM connector terminal B3 and body ground.

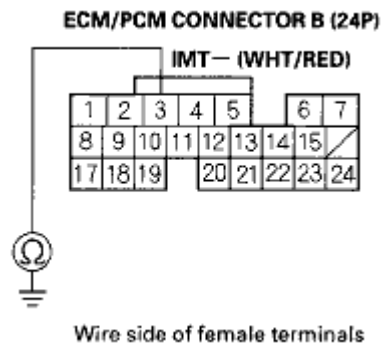


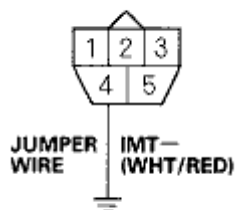
Fig. 11: Checking Continuity Between ECM/PCM Connector Terminal B3 And Body Ground
Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES -Repair short in the wire between the ECM/PCM (B3) and the IMT actuator, then go to step 27.

NO -Go to step 23.

23. Connect IMT actuator 5P connector terminal No. 4 to body ground with a jumper wire.

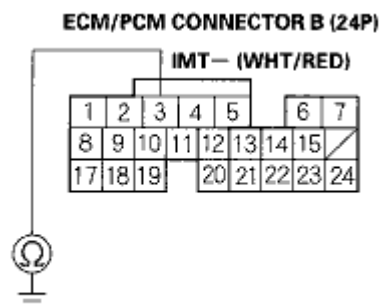
IMT ACTUATOR 5P CONNECTOR

Wire side of female terminals

Fig. 12: Connecting IMT Actuator 5P Connector Terminal No. 4 To Body Ground With Jumper Wire

Courtesy of AMERICAN HONDA MOTOR CO., INC.

24. Check for continuity between ECM/PCM connector terminal B3 and body ground.



Wire side of female terminals

Fig. 13: Checking Continuity Between ECM/PCM Connector Terminal B3 And Body Ground

Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES -Go to step 25.

NO -Repair open in the wire between the ECM/PCM (B3) and the IMT actuator, go to step 27.

25. Remove the IMT actuator (see **IMT ACTUATOR REPLACEMENT**).
 26. Move the IMT valve by hand.

Does it move smoothly?

YES -Substitute a known-good IMT actuator (see **IMT ACTUATOR REPLACEMENT**), then go to step 27 and recheck. If DTC P1078 is not indicated, replace the IMT actuator (see **IMT ACTUATOR REPLACEMENT**), then go to step 27. If DTC P1078 is indicated, then go to step 34.

NO -Remove the engine cover (see step 1 on **INTAKE MANIFOLD REMOVAL AND INSTALLATION**), and repair the stuck valve. If necessary, replace the intake manifold (see **INTAKE MANIFOLD REMOVAL AND INSTALLATION**), then go to step 27.

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 4,000 rpm for 10 seconds, then let it idle.
32. Check for Temporary DTCs or DTCs with the HDS.

Is DTC P1078 indicated?

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

NO -Go to step 33.

33. Monitor the OBD STATUS for DTC P1077 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 32, go to the **INDICATED DTCS TROUBLESHOOTING**.

NO -If the screen indicates FAILED, check for poor connections or loose terminals at the IMT actuator and the ECM/PCM, then go to step 1. If the screen indicates NOT COMPLETED, go to step 31.

34. Turn the ignition switch OFF.
35. Reconnect all connectors.
36. 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**).
37. Start the engine, and let it idle without load (in Park or neutral) until the radiator fan comes on.
38. Hold the engine speed at 4,000 rpm for 10 seconds, then let it idle.
39. Check for Temporary DTCs or DTCs with the HDS.

Is DTC P1078 indicated?

YES -Check for poor connections or loose terminals at the IMT actuator 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 37. If the ECM/PCM was substituted, go to step 1.

NO -Go to step 40.

40. Monitor the OBD STATUS for DTC P1078 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 39, go to the **INDICATED DTCS TROUBLESHOOTING**.

NO -If the screen indicates FAILED, check for poor connections or loose terminals at the IMT actuator 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 37. If the ECM/PCM was substituted, go to step 1. If the screen indicates NOT COMPLETED, go to step 37.

DTC P1078: IMT VALVE STUCK IN LOW RPM POSITION

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, and let it idle.
4. Check the IMT VALVE CMD is CLOSED in the DATA LIST with the HDS.

Is CLOSE indicated?

YES -Go to step 5.

NO -Go to step 31.

5. Check the IMT VALVE SW in the DATA LIST with the HDS.

Is OPEN indicated?

YES -Go to step 6.

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

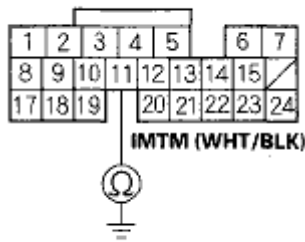
6. Turn the ignition switch OFF.
7. Disconnect the IMT actuator 5P connector.
8. Turn the ignition switch ON (II).
9. Check the IMT VALVE SW in the DATA LIST with the HDS.

Is CLOSED indicated?

YES -Go to step 14.

NO -Go to step 10.

10. Turn the ignition switch OFF.
11. Jump the SCS line with the HDS.
12. Disconnect ECM/PCM connector B (24P).
13. Check for continuity between ECM/PCM connector terminal B11 and body ground.

ECM/PCM CONNECTOR B (24P)

Wire side of female terminals

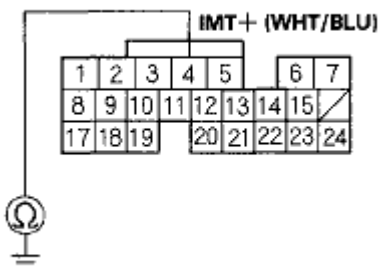
Fig. 14: Checking Continuity Between ECM/PCM Connector Terminal B11 And Body Ground
Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES -Repair short in the wire between the ECM/PCM (B11) and the IMT actuator, then go to step 25.

NO -Go to step 31.

14. Turn the ignition switch OFF.
15. Jump the SCS line with the HDS.
16. Disconnect ECM/PCM connector B (24P).
17. Check for continuity between ECM/PCM connector terminal B4 and body ground.

ECM/PCM CONNECTOR B (24P)

Wire side of female terminals

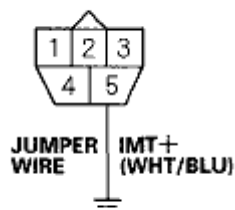
Fig. 15: Checking Continuity Between ECM/PCM Connector Terminal B4 And Body Ground
Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES -Repair short in the wire between the ECM/PCM (B4) and the IMT actuator, then go to step 25.

NO -Go to step 18.

18. Connect IMT actuator 5P connector terminal No. 5 to body ground with a jumper wire.

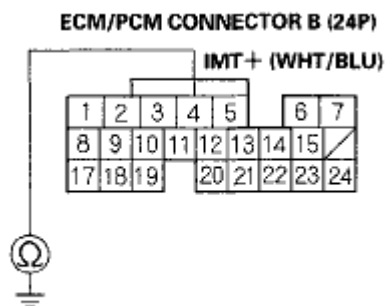
IMT ACTUATOR 5P CONNECTOR

Wire side of female terminals

Fig. 16: Connecting IMT Actuator 5P Connector Terminal No. 5 To Body Ground With Jumper Wire

Courtesy of AMERICAN HONDA MOTOR CO., INC.

19. Check for continuity between ECM/PCM connector terminal B4 and body ground.



Wire side of female terminals

Fig. 17: Checking Continuity Between ECM/PCM Connector Terminal B4 And Body Ground

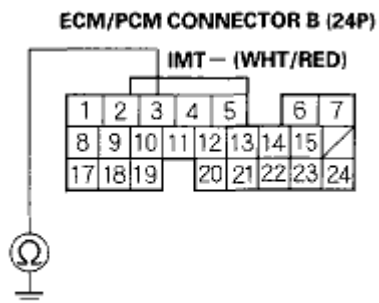
Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES -Go to step 20.

NO -Repair open in the wire between the ECM/PCM (B4) and the IMT actuator, then go to step 25.

20. Check for continuity between ECM/PCM connector terminal B3 and body ground.



Wire side of female terminals

Fig. 18: Checking Continuity Between ECM/PCM Connector Terminal B3 And Body Ground

Courtesy of AMERICAN HONDA MOTOR CO., INC.

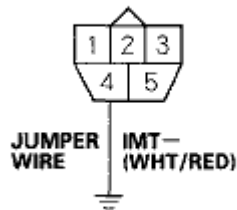
Is there continuity?

YES -Repair short in the wire between the ECM/PCM (B3) and the IMT actuator, then go to step 25.

NO -Go to step 21.

21. Connect IMT actuator 5P connector terminal No. 4 to body ground with a jumper wire.

IMT ACTUATOR 5P CONNECTOR



Wire side of female terminals

Fig. 19: Connecting IMT Actuator 5P Connector Terminal No. 4 To Body Ground With Jumper Wire

Courtesy of AMERICAN HONDA MOTOR CO., INC.

22. Check for continuity between ECM/PCM connector terminal B3 and body ground.

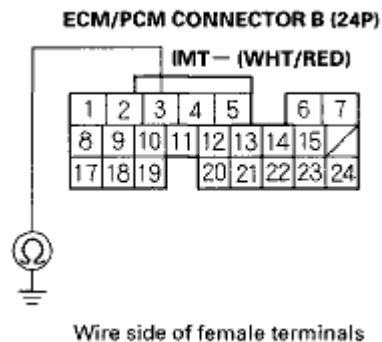


Fig. 20: Checking Continuity Between ECM/PCM Connector Terminal B3 And Body Ground

Is there continuity?

YES -Go to step 23.

NO -Repair open in the wire between the ECM/PCM (B3) and the IMT actuator, then go to step 25.

23. Remove the IMT actuator (see **IMT ACTUATOR REPLACEMENT**).
24. Move the IMT valve by hand.

Does it move smoothly?

YES -Substitute a known-good IMT actuator (see **IMT ACTUATOR REPLACEMENT**), then go

to step 25 and recheck. If DTC P1077 is not indicated, replace the IMT actuator (see **IMT ACTUATOR REPLACEMENT**), then go to step 25. If DTC P1077 is indicated, go to step 31.

NO -Remove the engine cover (see step 1 on **INTAKE MANIFOLD REMOVAL AND INSTALLATION**), and repair the stuck valve. If necessary, replace the intake manifold (see **INTAKE MANIFOLD REMOVAL AND INSTALLATION**), then go to step 25.

25. Reconnect all connectors.
26. Turn the ignition switch ON (II).
27. Reset the ECM/PCM with the HDS.
28. Do the ECM/PCM idle learn procedure (see **ECM/PCM IDLE LEARN PROCEDURE**).
29. Check for Temporary DTCs or DTCs with the HDS.

Is DTC P1077 indicated?

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

NO -Go to step 30.

30. Monitor the OBD STATUS for DTC P1077 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 29, go to the **INDICATED DTCs TROUBLESHOOTING**.

NO -If the screen indicates FAILED, check for poor connections or loose terminals at the IMT actuator and the ECM/PCM, then go to step 1. If the screen indicates NOT COMPLETED, keep idling until a result comes on.

31. Reconnect all connectors.
32. 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**).
33. Start the engine, and let it idle without load (in Park or neutral) until the radiator fan comes on, then let it idle.
34. Check for Temporary DTCs or DTCs with the HDS.

Is DTC P1077 indicated?

YES -Check for poor connections or loose terminals at the IMT actuator 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 33. If the ECM/PCM was substituted, go to step 1.

NO -Go to step 35.

35. Monitor the OBD STATUS for DTC P1077 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 34, go to the **INDICATED DTCS TROUBLESHOOTING**.

NO -If the screen indicates FAILED, check for poor connections or loose terminals at the IMT actuator 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 33. If the ECM/PCM was substituted, go to step 1. If the screen indicates NOT COMPLETED, keep idling until a result comes on.

THROTTLE BODY TEST

CARBON ACCUMULATION CHECK

NOTE: If the malfunction indicator lamp (MIL) has been reported on, check for diagnostic trouble codes (DTCs).

1. Connect the HDS to the data link connector (DLC) (A) located under the driver's side of the dashboard.

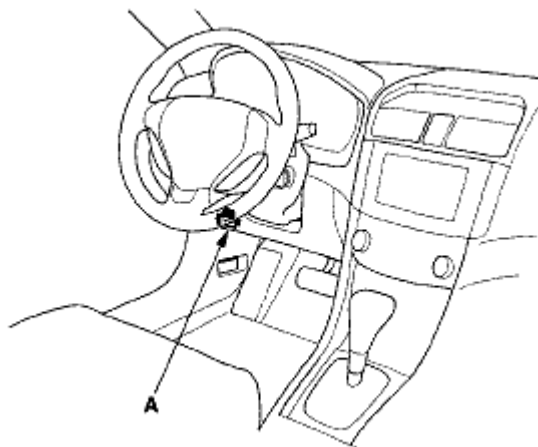


Fig. 21: Identifying Data Link Connector
Courtesy of AMERICAN HONDA MOTOR CO., INC.

2. Turn the ignition switch ON (II).
3. Make sure the HDS communicates with the ECM/PCM. If it does not, go to the DLC circuit troubleshooting (see **DLC CIRCUIT TROUBLESHOOTING (PART 2)**).
4. 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.
5. Check the REL TP SENSOR in the DATA LIST with the HDS. The reading should be below 2.46 deg. If it is not, clean the throttle body (see **THROTTLE BODY CLEANING**).

THROTTLE POSITION LEARNING CHECK

NOTE: If the malfunction indicator lamp (MIL) has been reported on, check for diagnostic trouble codes (DTCs).

1. Connect the HDS to the data link connector (DLC) (A) located under the driver's side of the dashboard.

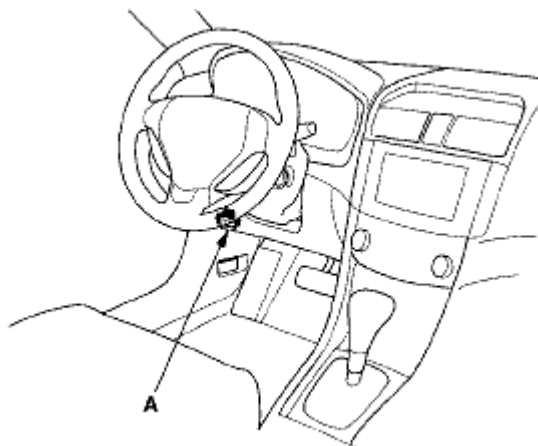


Fig. 22: Identifying Data Link Connector

Courtesy of AMERICAN HONDA MOTOR CO., INC.

2. Turn the ignition switch ON (II).
3. Make sure the HDS communicates with the ECM/PCM. If it does not, go to the DLC circuit troubleshooting (see **DLC CIRCUIT TROUBLESHOOTING (PART 2)**).
4. Select the INSPECTION MENU with the HDS.
5. Do the TP LEARNING CHECK in the ETCS TEST. If needed, clean the throttle body (see **THROTTLE BODY CLEANING**).

THROTTLE BODY CLEANING

CAUTION: Do not insert your fingers into the installed throttle body when you turn the ignition switch ON (II) or while the ignition switch is ON (II). If you do, you will seriously injure your fingers if the throttle valve is activated.

1. Check for damage to the air cleaner. If the air cleaner is damaged, replace it (see **THROTTLE BODY CLEANING**).
2. Remove the throttle body (see **THROTTLE BODY REMOVAL/INSTALLATION**).
3. Clean off the carbon from the throttle valve and inside the throttle body with a paper towel soaked in throttle plate and induction cleaner.

NOTE:

- Remove the throttle body to clean it.
- Be careful not to pinch your fingers.
- To avoid removing the molybdenum coating, do not clean the bearing area of the throttle shaft (A).
- Do not spray throttle plate and induction cleaner directly on the throttle body.
- Use Honda genuine throttle plate and induction cleaner.

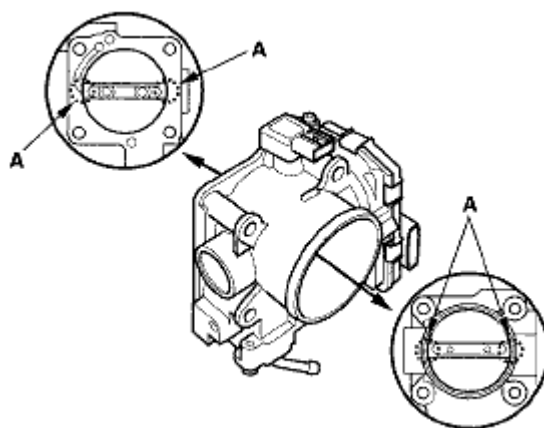


Fig. 23: Identifying Bearing Area Of Throttle Shaft
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

4. Install the throttle body (see **THROTTLE BODY REMOVAL/INSTALLATION**).
5. Reset the ECM/PCM with the HDS.
6. Turn the ignition switch ON (II), and wait 2 seconds.
7. Do the ECM/PCM idle learn procedure (see **ECM/PCM IDLE LEARN PROCEDURE**).

AIR CLEANER REMOVAL/INSTALLATION

1. Remove the bolts (A) and clamps (B).

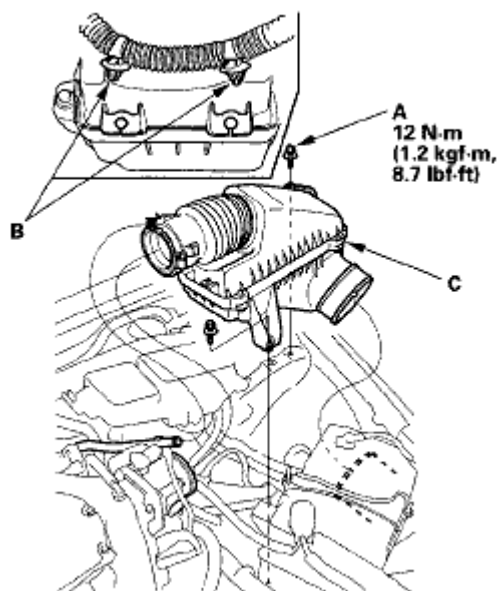


Fig. 24: Identifying Air Cleaner Bolts And Clamps With Torque Specifications
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

2. Remove the air cleaner (C).
3. Install the parts in the reverse order of removal.

AIR CLEANER ELEMENT INSPECTION/REPLACEMENT

1. Open the air cleaner housing cover (A), and remove the clamps (B).

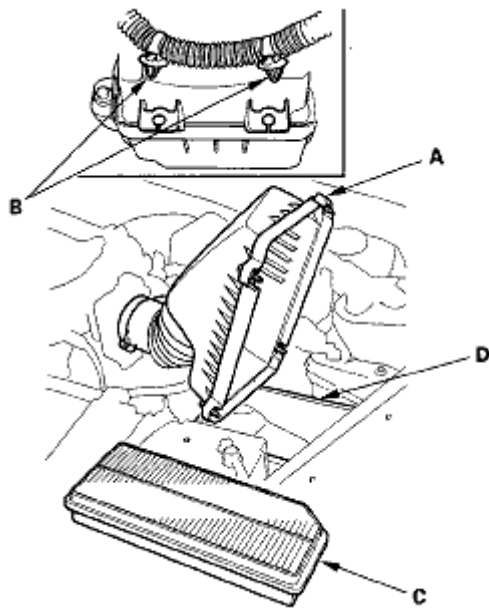


Fig. 25: Identifying Air Cleaner Housing Cover And Clamp
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

2. Remove the air cleaner element (C) from the air cleaner housing (D).
3. Check the air cleaner element for damage or clogging. If it is damaged or clogged, replace it.

NOTE: **Do not use compressed air to clean the air cleaner element.**

4. Clean and remove any debris from inside the air cleaner housing.
5. Install the parts in the reverse order of removal.
6. If the maintenance minder indicated air cleaner element replacement, reset the maintenance minder (see **MAINTENANCE MINDER**).

RESONATOR REMOVAL/INSTALLATION

1. Remove the cover (A) and duct (B).

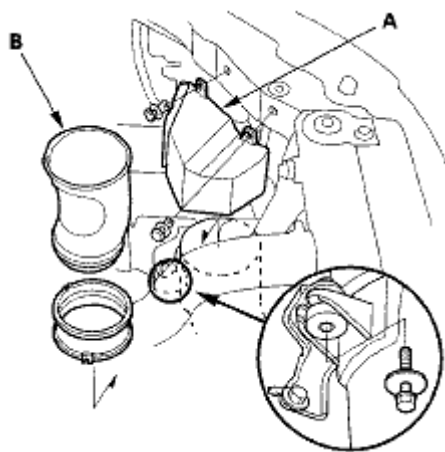


Fig. 26: Identifying Resonator Cover And Duct
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

2. Remove the front bumper (see **FRONT BUMPER REMOVAL/INSTALLATION**).
3. Center-punch each of the rivets (A), and drill their heads off with a 0.07 in (2 mm) drill bit (B).

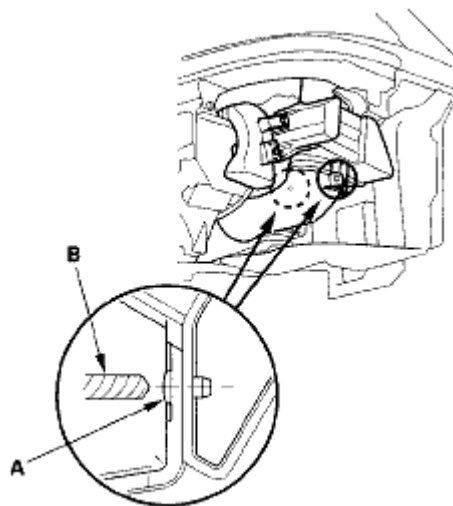


Fig. 27: Identifying Center-Punch Of Rivets
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

4. Remove the resonator (A).

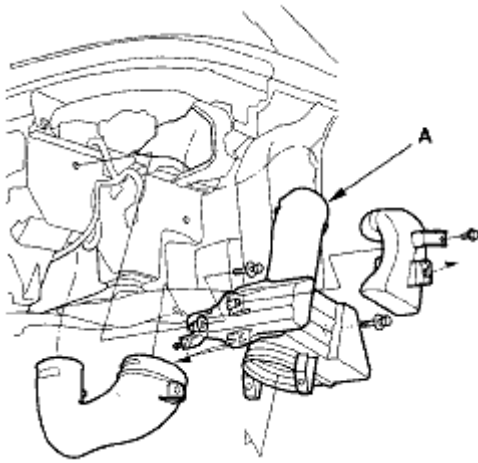


Fig. 28: Identifying Resonator

Courtesy of AMERICAN HONDA MOTOR CO., INC.

5. Install the resonator (A) with the rivets (B) firmly.

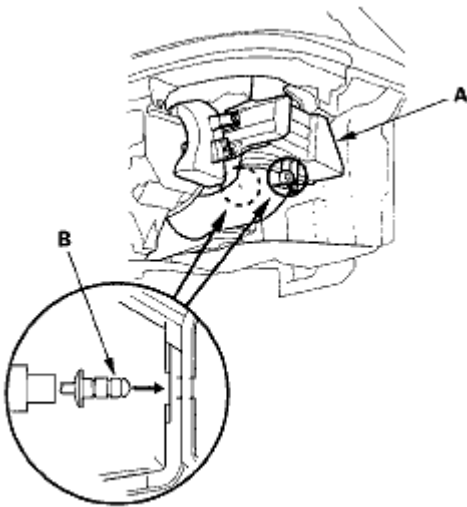


Fig. 29: Identifying Resonator With Rivets

Courtesy of AMERICAN HONDA MOTOR CO., INC.

6. Install the parts in the reverse order of removal.

IMT ACTUATOR REPLACEMENT

1. Remove the engine cover (see step 1 on **INTAKE MANIFOLD REMOVAL AND INSTALLATION**).
2. Disconnect the IMT actuator 5P connector (A).

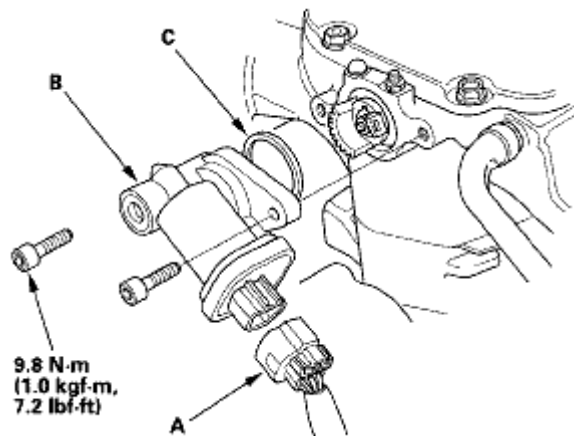


Fig. 30: Identifying IMT Actuator 5P Connector With Torque Specifications
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Remove the bolts and the IMT actuator (B).
4. Install the parts in the reverse order of removal with a new O-ring (C).

THROTTLE CABLE ADJUSTMENT

1. Remove the throttle cable cover (A).

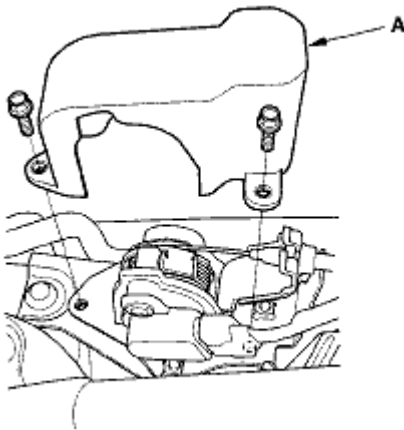


Fig. 31: Identifying Throttle Cable Cover
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

2. Check cable free play at the throttle linkage. Cable free play (A) should be 0.39-0.47 in. (10-12 mm).

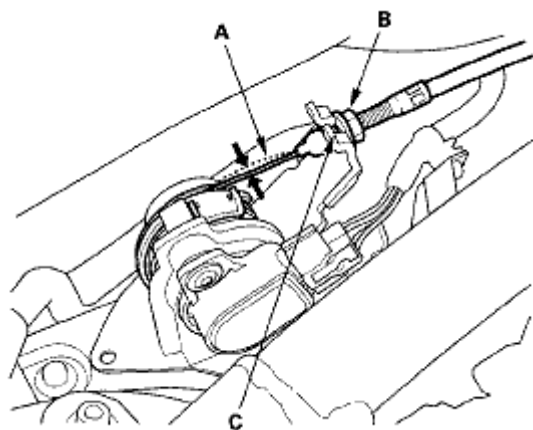


Fig. 32: Checking Cable Free Play At Throttle Linkage
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. If free play is not within spec (0.39-0.47 in., 10-12 mm), loosen the locknut (B), turn the adjusting nut (C) until the deflection is as specified, then retighten the locknut.
4. With the cable properly adjusted, check the throttle valve to be sure it goes to the full open stop when you push the accelerator pedal to the floor. Also check the throttle valve to be sure it returns to the idle position stop whenever you release the accelerator pedal.

THROTTLE CABLE REMOVAL/INSTALLATION

1. Remove the throttle cable cover (see **IMT ACTUATOR REPLACEMENT**).
2. Fully open the throttle linkage, then remove the throttle cable (A) from the throttle link (B).

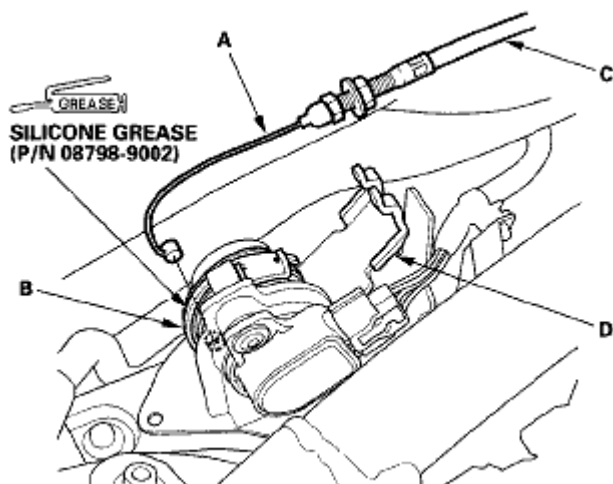


Fig. 33: Identifying Throttle Cable And Throttle Link
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Remove the cable housing (C) from the cable bracket (D).
4. Remove the throttle cable (A) from the accelerator pedal (B).

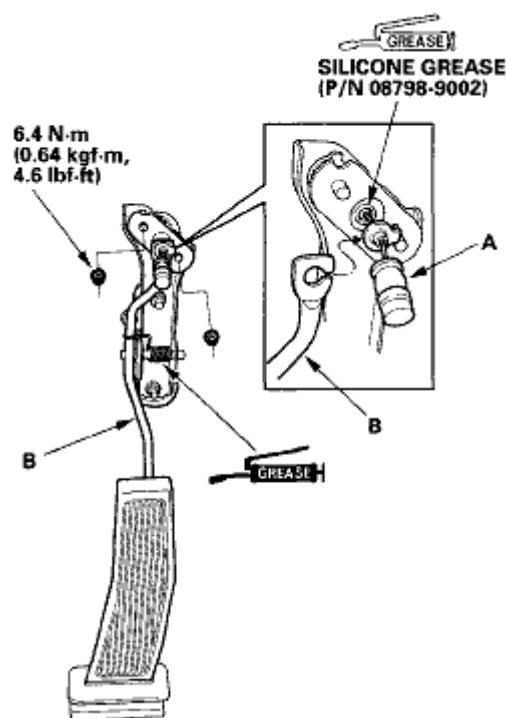


Fig. 34: Identifying Throttle Cable And Accelerator Pedal With Torque Specifications
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

5. Install the parts in the reverse order of removal.
6. Hold the cable, removing all slack from it.
7. Set the cable on the bracket (A). Adjust the adjusting nut (B) so that its free play is 0 mm.

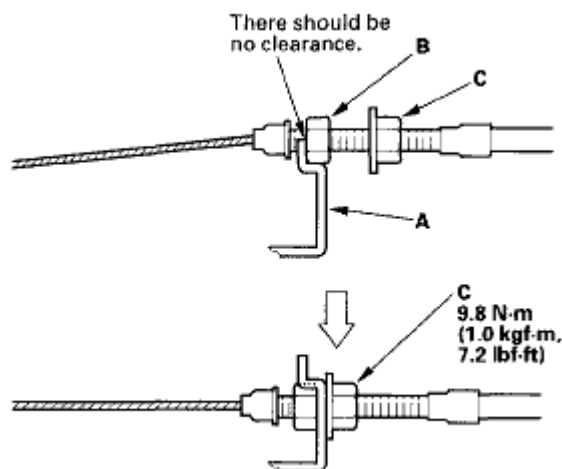


Fig. 35: Adjusting The Adjusting Nut With Torque Specifications
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

8. Position the adjusting nut on the other side of the bracket, then tighten the locknut (C).
9. With the cable properly adjusted, check the throttle link to be sure it opens fully when you push the accelerator pedal to the floor. Also check the throttle link to be sure it returns whenever you release the accelerator pedal.
10. Install the throttle cable cover.

ACCELERATOR PEDAL REPLACEMENT

1. Remove the throttle cable from the accelerator pedal (see step 4 on **THROTTLE CABLE REMOVAL/INSTALLATION**).
2. Remove the accelerator pedal bracket (A).

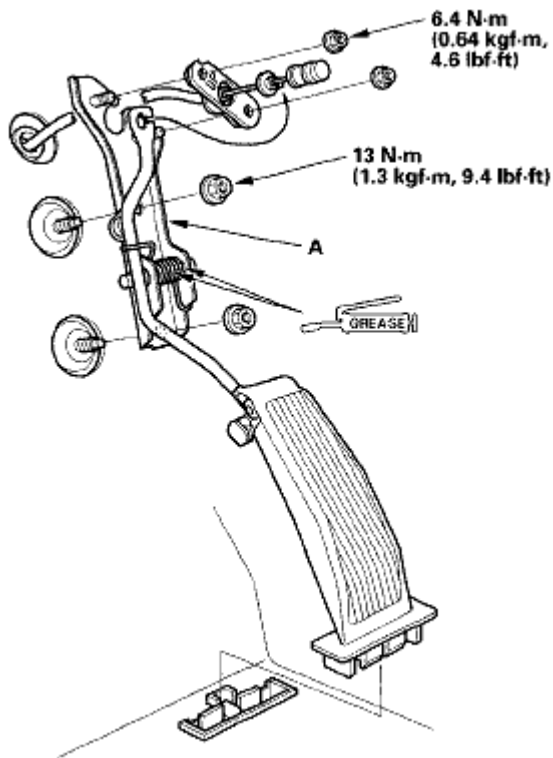


Fig. 36: Identifying Accelerator Pedal Bracket With Torque Specifications
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Install the parts in the reverse order of removal.

THROTTLE BODY REMOVAL/INSTALLATION

CAUTION: Do not insert your fingers into the installed throttle body when you turn the ignition switch ON (II) or while the ignition switch is ON (II). If you do, you will seriously injure your fingers if the throttle valve is activated.

NOTE: If you are replacing the throttle body, start at step 1. If you are removing the throttle body, start at step 4.

1. Connect the HDS while the engine is stopped.
2. Select the INSPECTION MENU with the HDS.
3. Do the TP POSITION CHECK in the ETCS TEST.
4. Turn the ignition switch OFF.
5. Disconnect the MAP sensor connector (A).

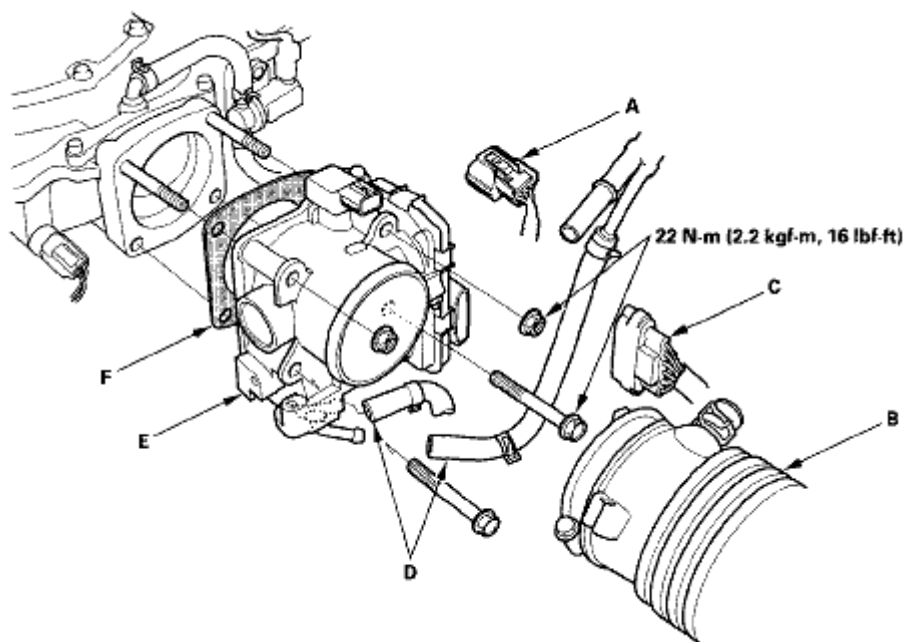


Fig. 37: Identifying Throttle Body Remove/Install Components With Torque Specifications
Courtesy of AMERICAN HONDA MOTOR CO., INC.

6. Remove the intake air duct (B).
7. Disconnect the throttle body connector (C).
8. Disconnect and plug the water bypass hoses (D).
9. Remove the throttle body (E).
10. Install the parts in the reverse order of removal with a new gasket (F).

NOTE:

- Do the ECM/PCM idle learn procedure (see ECM/PCM IDLE LEARN PROCEDURE) after the throttle body has been replaced.
- Refill the radiator with engine coolant (see COOLANT CHECK).