

VTEC/VTC

DTC Troubleshooting (cont'd)

DTC P1009: VTC Advance Malfunction

NOTE:

- Before you troubleshoot, record all freeze data and any on-board snapshot, and review the general troubleshooting information (see page 11-3).
- If DTC P0341 is stored at the same time as DTC P1009, troubleshoot DTC P1009 first, then recheck for DTC P0341.

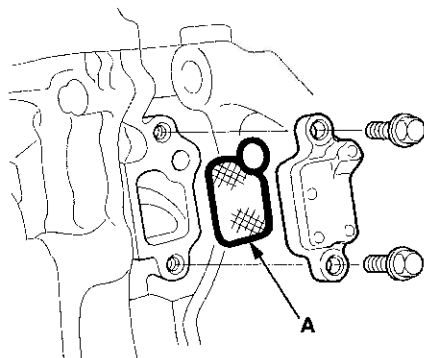
1. Turn the ignition switch to ON (II).
2. Clear the DTC with the HDS.
3. Start the engine.
4. Check for Pending or Confirmed DTCs with the HDS.

Is DTC P1009 indicated?

YES—Go to step 5.

NO—Intermittent failure, the system is OK at this time. ■

5. Turn the ignition switch to LOCK (0).
6. Remove the auto-tensioner (see page 4-31).
7. Remove the VTC strainer (A), and check it for clogging.



Is the strainer OK?

YES—Go to step 8.

NO—Clean the VTC strainer, replace the engine oil filter and the engine oil, then go to step 10.

8. Test the VTC oil control solenoid valve (see page 11-273).

Is the valve OK?

YES—Go to step 9.

NO—Replace the VTC oil control solenoid valve (see page 11-273), then go to step 10.

9. Inspect the VTC actuator (see page 6-8).

Is the actuator OK?

YES—Check the VTC system oil passages, then go to step 10.

NO—Replace the VTC actuator (see page 6-30), then go to step 10.

10. Turn the ignition switch to ON (II).
11. Reset the ECM/PCM with the HDS.
12. Do the ECM/PCM idle learn procedure (see page 11-293).
13. Do the CKP pattern clear/CKP pattern learn procedure (see page 11-5).
14. Check for Pending or Confirmed DTCs with the HDS.

Is DTC P1009 indicated?

YES—Check the oil passages at the VTC system, then go to step 1.

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