

CAMSHAFT TIMING OIL CONTROL VALVE ASSEMBLY

ON-VEHICLE INSPECTION

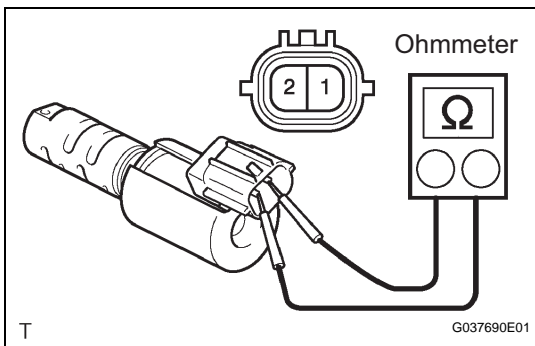
1. INSPECT CAMSHAFT TIMING OIL CONTROL VALVE ASSEMBLY

- (a) Check the operation.
 - (1) Connect the intelligent tester to the DLC3.
 - (2) Turn the ignition switch to ON.
 - (3) Turn the intelligent tester ON.
 - (4) Start the engine and warm it up.
 - (5) Select the following menu items: DIAGNOSIS / ENHANCED OBD II / ACTIVE TEST / VVT CTRL B1.
 - (6) Operate the OCV using the hand-held tester, then check the engine speed.

Standard

Tester Operation	Specified Condition
OCV OFF	Normal engine speed
OCV ON	Rough idling engine stalls

If the operation is not specified, check the camshaft timing oil control valve, wire harness and ECM.



INSPECTION

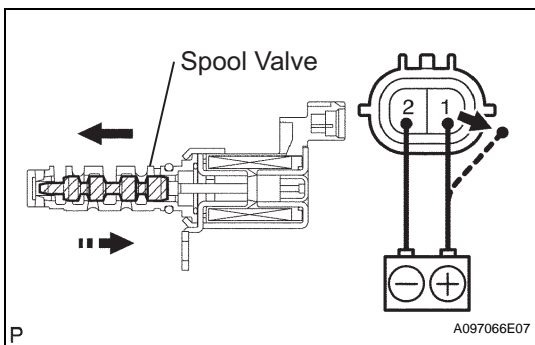
1. INSPECT CAMSHAFT TIMING OIL CONTROL VALVE ASSEMBLY

- (a) Check the resistance.
 - (1) Using an ohmmeter, measure the resistance between the terminals.

Standard

Tester Connection	Specified Condition
1 (+B) - 2 (GND)	6.9 to 7.9 kΩ at 20°C (68°F)

If the result is not as specified, replace the camshaft timing oil control valve.



- (b) Check the operation.
 - (1) Apply battery voltage across the terminals, and check that the spool valve operates.

NOTICE:

Check that the spool valve is not stuck.

HINT:

The spool valve may not return if foreign objects are caught in it. This may cause subtle pressure leakage to the advance side, and a DTC may be set.