

Variable Valve Timing Actuator: Testing and Inspection

INSPECTION

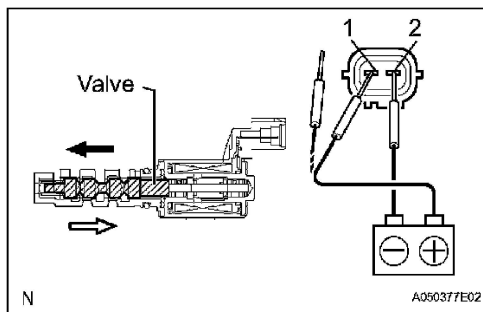
1. INSPECT CAMSHAFT TIMING OIL CONTROL VALVE ASSEMBLY

- a. Measure the resistance of the oil control valve.

Standard resistance: **6.9 to 7.9 Ohms at 20 degrees C (68 degrees F)**

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

- b. Inspect the operation.



Specified condition

Condition	Specified Condition
Battery positive (+) voltage is applied	Valve moves in black arrow direction shown in illustration
Battery positive (+) voltage is cut off	Valve moves in white arrow direction shown in illustration

1. Connect the battery positive (+) lead to terminal 1 and negative (-) lead to terminal 2, and inspect the movement of the valve.

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

NOTE: Confirm that the valve moves freely and is not stuck in any position.

HINT: Foreign objects in the oil can cause subtle pressure leaks in the valve. The pressure leaks will cause the cam to advance. This condition will usually set a DTC.