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so many fake sites. this is the first one which worked! Many thanks

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14-10 ENGINE MECHANICAL - VALVE CLEARANCE (1NZ-FE/2NZ-FE)

VALVE CLEARANCE (1NZ-FE/2NZ-FE)

ADJUSTMENT

1. REMOVE CYLINDER HEAD COVER NO.2(W/ VVT-I) [12212 / 1204]
2. SEPARATE ENGINE WIRE
3. REMOVE IGNITION COIL NO.1 [25500 / 2501]
4. REMOVE VENTILATION HOSE [12261 / 1201]
5. REMOVE VENTILATION HOSE NO.2 [12262 / 1201]
6. REMOVE CYLINDER HEAD COVER SUB-ASSY [12001 / 1204]
7. REMOVE ENGINE UNDER COVER RH [52443C]

INSPECT VALVE CLEARANCE

HINT: Inspect and adjust the valve clearance when the engine is cold.

(a) Set No. 1 cylinder to TDC/compression.

- (1) Turn the crankshaft damper, and align its groove with timing mark "0" of the chain cover.
- (2) Check that both timing marks on the camshaft timing sprocket and valve timing controller assembly are facing right up as shown in the illustration.

HINT: If not, turn the crankshaft 1 revolution (360°) and align the marks as above.

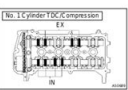

(b) Check only the valves indicated.

- (1) Using a feeler gauge, measure the clearance between the valve lifter and camshaft.

Valve clearance (CAM):
Intake 0.15 - 0.25 mm (0.006 - 0.010 in.)
Exhaust 0.25 - 0.35 mm (0.010 - 0.014 in.)

- (2) Record the out-of-specification valve clearance measurements. They will be used later to determine the required replacement/adjusting shim.
- (3) Turn the crankshaft 1 revolution (360°) and align its groove with the timing mark "0" of the chain cover.

CONTINUED



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