

Toyota Venza 2009-2012 Workshop Manual

(a) Make sure that the No. 1 valve rocker arm sub-assembly is installed as shown in the illustration.

Text in Illustration

*1	Valve Rocker Arm
*2	Lock Adjuster
*3	Valve Stem
*4	Valve Stem Cap

(b) Apply seal packing in a continuous line as shown in the illustration.

Seal packing:
Toyota Genuine Seal Packing Black, Three Bond 1207B or equivalent
Seal diameter:
2.5 to 4.5 mm (0.100 to 0.177 in.)

NOTES:

- Remove any oil from the contact surface.
- Install the camshaft housing sub-assembly **immediately**.
- Do not start the engine for at least 2 hours after applying.

(c) Install the camshaft housing sub-assembly fit and tighten the 12 bolts in the order shown in the illustration.

Torque: 20 N·m (15.7 lb-ft)

NOTES:

- When installing the camshaft housing fit, it is necessary to rotate the camshaft as shown in the illustration.
- If the camshaft is not in the correct position, these parts may result in damage due to contact between the pistons and valves. If a camshaft is rotated with a piston at TDC, valve contact will occur.
- If any of the bolts are loosened during installation, remove the camshaft housing sub-assembly fit, clean the installation surfaces, and reapply seal packing.
- If the camshaft housing sub-assembly fit is removed because any of the bolts are loosened during installation.



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