

VARIABLE VALVE TIMING ACTUATOR REMOVAL/INSTALLATION [ZJ, Z6]

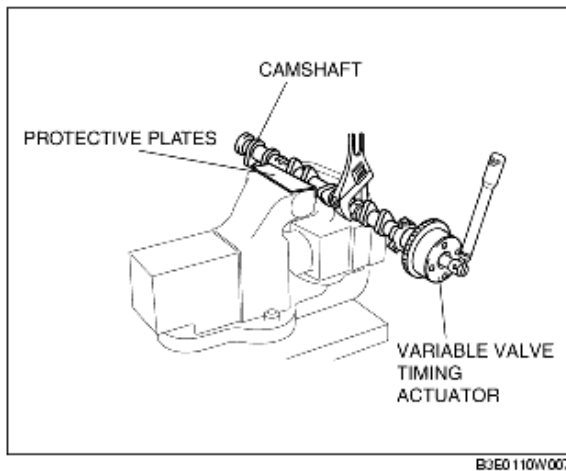
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Caution

- Remove the variable valve timing actuator as a single unit with the camshaft sprocket.

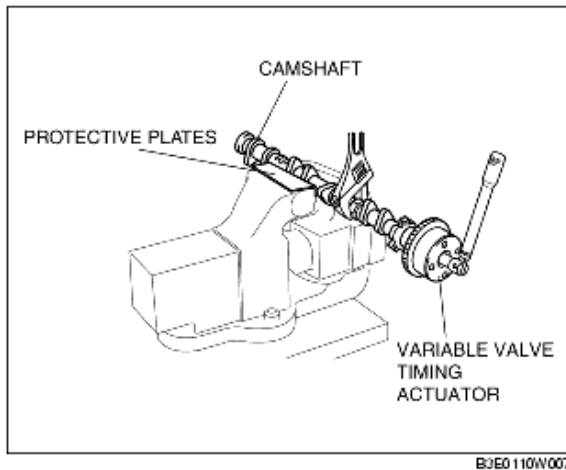
1. Remove the camshaft component according to steps 1 to 18 in the valve clearance adjustment. (See [VALVE CLEARANCE ADJUSTMENT \[ZJ, Z6\]](#).)

2. Secure the camshaft in a vise and fix the camshaft using a wrench on the cast hexagon as shown in the figure.



3. Loosen the variable valve timing actuator installation bolt, and then remove the variable valve timing actuator.

4. Fix the camshaft using a wrench on the cast hexagon as shown in the figure.



5. Tighten the variable valve timing actuator installation bolt.

Tightening torque
49.6-60.8 N·m {5.10-6.19 kgf·m, 36.6-44.8 ft·lb}

6. Install the camshaft component according to steps 21 to 37 in the valve clearance adjustment. (See [VALVE CLEARANCE ADJUSTMENT \[ZJ, Z6\]](#).)