

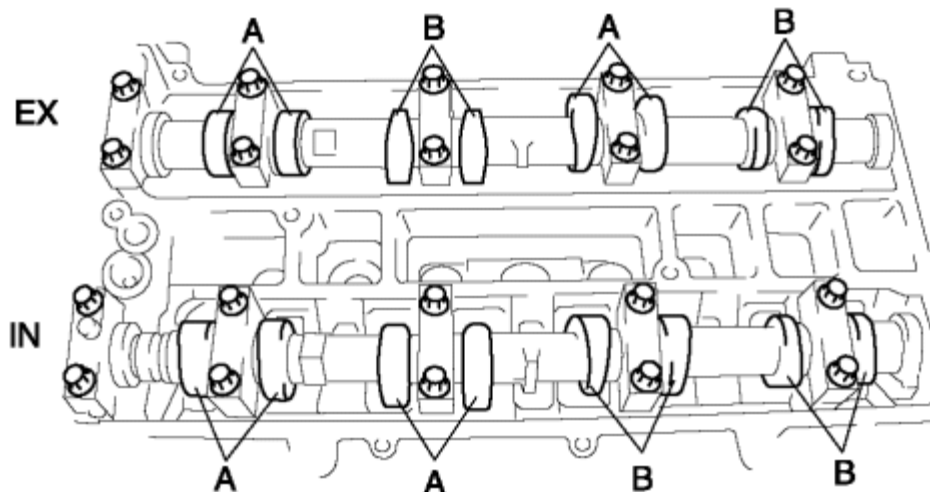
2012 - Mazda6 - Engine

VALVE CLEARANCE INSPECTION [MZR 2.5]

1. Disconnect the negative battery cable.
2. Remove the plug hole plate. (See [PLUG HOLE PLATE REMOVAL/ INSTALLATION \[MZR 2.5\]](#).)
3. Remove the ignition coils. (See [IGNITION COIL REMOVAL/ INSTALLATION \[MZR 2.5\]](#).)
4. Remove the ventilation hose. (See [INTAKE-AIR SYSTEM REMOVAL/ INSTALLATION \[MZR 2.5\]](#).)
5. Disconnect the camshaft position (CMP) sensor connector.
6. Disconnect the oil control valve (OCV) connector.
7. Remove the cylinder head cover. (See [TIMING CHAIN REMOVAL/ INSTALLATION \[MZR 2.5\]](#).)
8. Set the front mudguard (RH) out of the way. (See [FRONT MUDGUARD REMOVAL/ INSTALLATION](#).)
9. Remove the splash shield (RH).
10. Measure the valve clearance.

NOTE:

- Make sure to note down the measured values for choosing the suitable replacement tappets.
- a. Turn the crankshaft clockwise so that the No.1 piston is at TDC of the compression stroke.
 - b. Measure the valve clearance at A in the figure.
- If the valve clearance is out of the standard value, adjust it. (See [VALVE CLEARANCE ADJUSTMENT \[MZR 2.5\]](#).)



Valve clearance [Engine cold]

- IN: 0.22—0.28 mm {0.009—0.011 in}
- EX: 0.27—0.33 mm {0.011—0.012 in}

c. Turn the crankshaft **360°** clockwise so that the No.4 piston is at TDC of the compression stroke.

d. Measure the valve clearance at B in the figure.

- If the valve clearance is out of the standard value, adjust it. (See [VALVE CLEARANCE ADJUSTMENT \[MZR 2.5\]](#).)

Valve clearance [Engine cold]

- IN: 0.22—0.28 mm {0.009—0.011 in}
- EX: 0.27—0.33 mm {0.011—0.012 in}

11. Install the splash shield (RH).

12. Install the front mudguard (RH). (See [FRONT MUDGUARD REMOVAL/ INSTALLATION](#).)

13. Install the cylinder head cover. (See [TIMING CHAIN REMOVAL/ INSTALLATION \[MZR 2.5\]](#).)

14. Connect the OCV connector.

15. Connect the CMP sensor connector.

16. Install the ventilation hose. (See [INTAKE-AIR SYSTEM REMOVAL/ INSTALLATION \[MZR 2.5\]](#).)

17. Install the ignition coils. (See [IGNITION COIL REMOVAL/ INSTALLATION \[MZR 2.5\]](#).)

18. Install the plug hole plate. (See [PLUG HOLE PLATE REMOVAL/ INSTALLATION \[MZR 2.5\]](#).)

19. Connect the negative battery cable.

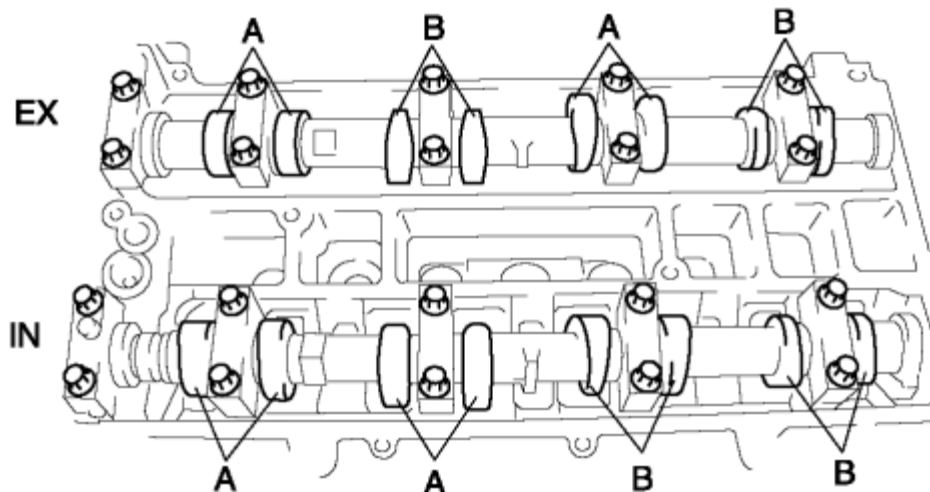
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