



## Checking Valve Clearance

### ■ IMPORTANT

- Valve clearance must be checked and adjusted when engine is cold.

- Remove the cylinder head cover and the glow plugs.
- Align the "1TC" mark (1) on the flywheel and alignment mark (2) on the rear end plate so that the No. 1 piston comes to the compression top dead center.
- Check the following valve clearance marked with "★" using a feeler gauge.
- If the clearance is not within the factory specifications, adjust with the adjusting screw.
- Then turn the flywheel 6.28 rad (360 °), and align the "1TC" mark (1) on the flywheel and alignment mark (3) on the rear end plate so that the No. 1 piston comes to the overlap position.
- Check the following valve clearance marked with "☆" using a feeler gauge.
- If the clearance is not within the factory specifications, adjust with the adjusting screw.

Number of cylinders Valve arrangement  Adjustable cylinder location of piston	Intake valve	Exhaust valve
No. 1	★	★
No. 2	☆	★
No. 3	★	☆

★ : When No. 1 piston is at the compression top dead center position, valve clearance is adjustable.

☆ : When No. 1 piston is at the overlap position, valve clearance is adjustable.

Intake and exhaust valve clearance (cold)	Factory spec.	0.145 to 0.185 mm 0.00571 to 0.00728 in.
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### ■ NOTE

- The sequence of cylinder numbers is given as No. 1, No. 2 and No. 3 starting from the gear case side.
- After adjusting the valve clearance, secure the adjusting screw with the lock nut.

- (1) "1TC" Mark  
(2) Alignment Mark

A : Gear Case Side

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