



Valve Clearance

1. Remove the cylinder head cover and the timing window cover on the flywheel housing and all glow plugs.
2. Turn the flywheel and align the 1 TC or 1.4 TC mark with the timing mark of window on the flywheel housing to position the 1st cylinder valves at the top dead center during compression.
3. Measure the clearance at the valves marked with ○ in the table below with a feeler gauge.
4. If the clearance is not within the factory specifications, turn the adjusting screw to adjust.
5. Turn the flywheel just one turn to position the 1st cylinder valves at the top dead center during overlap.
6. Measure the clearance at the valves marked with ● in the table below with a feeler gauge.
7. If the clearance is not within the factory specifications, adjust.

Cylinder No.	1		2		3	
Valve	IN.	EX.	IN.	EX.	IN.	EX.
Checking	○	○	●	○	○	●

Cylinder No.	1		2		3		4	
Valve	IN.	EX.	IN.	EX.	IN.	EX.	IN.	EX.
Checking	○	○	○	●	●	○	●	●

Valve clearance	Factory spec.	0.18 to 0.22 mm 0.0071 to 0.0087 in.
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