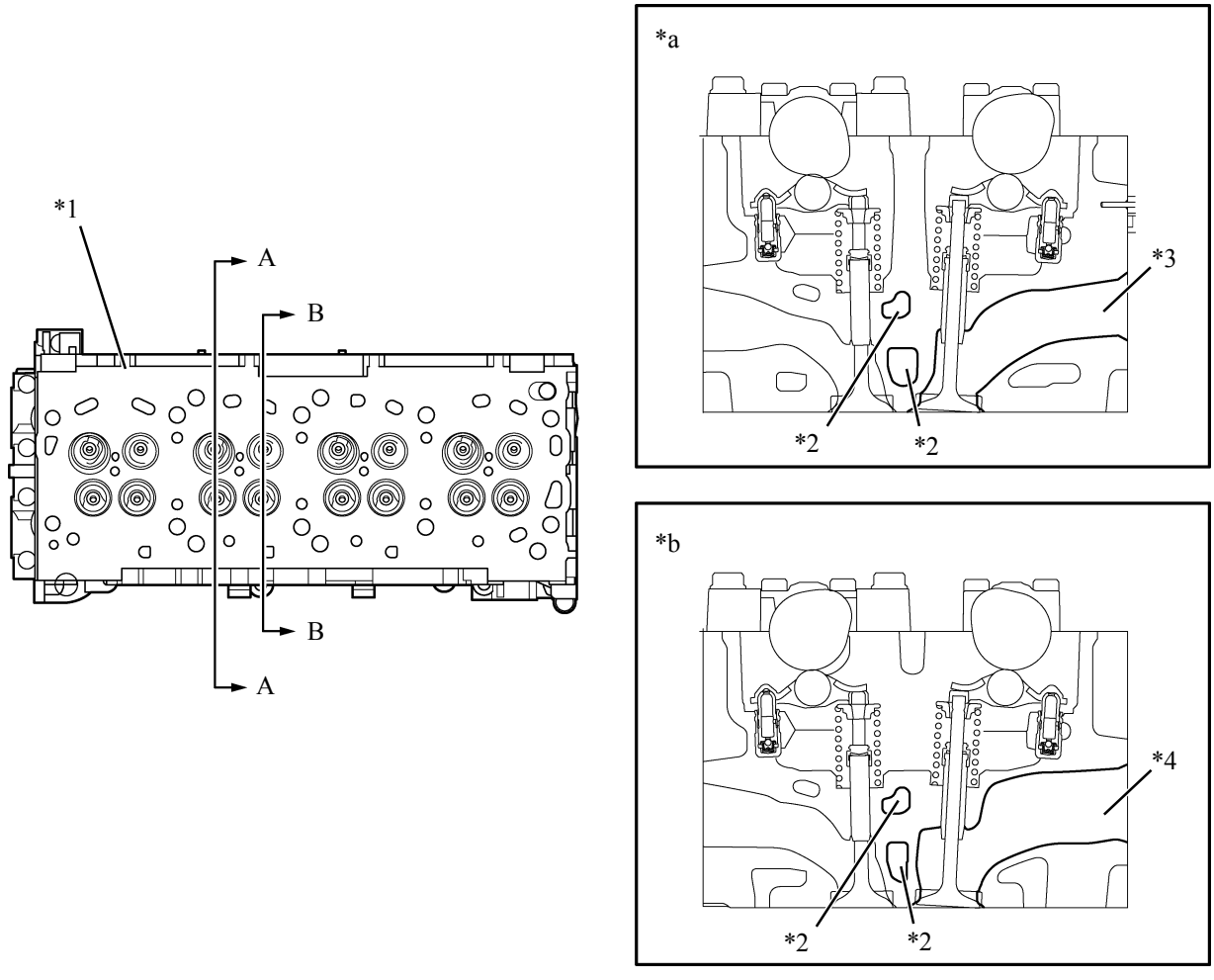
■ CYLINDER HEAD

1. Construction

- The cylinder head sub-assembly is made of aluminum alloy.
- The injector assembly is located in the center of the combustion chamber in order to improve engine performance and to achieve clean emissions.
- A tangential port and a helical port are used. These intake ports are used for stimulating combustion by producing strong swirling airflow and high flow volume.
- The position and shape of the 2 intake ports are optimized to improve engine performance and fuel economy, as well as produce clean emissions.
- A vertical 2-stage construction is used for the water jacket. By having coolant flow and collect in the water jacket on the lower side, combustion chamber cooling and capacity are both optimized to achieve early engine warm-up and improve reliability and fuel economy.
- A glow plug assembly is placed between the intake ports of each cylinder to ensure startability.



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Text in Illustration

*1	Cylinder Head Sub-assembly	*2	Water Jacket
*3	Tangential Port	*4	Helical Port
*a	A- A Cross Section	*b	B - B Cross Section