

OIL JET VALVE [SKYACTIV-D 2.2]

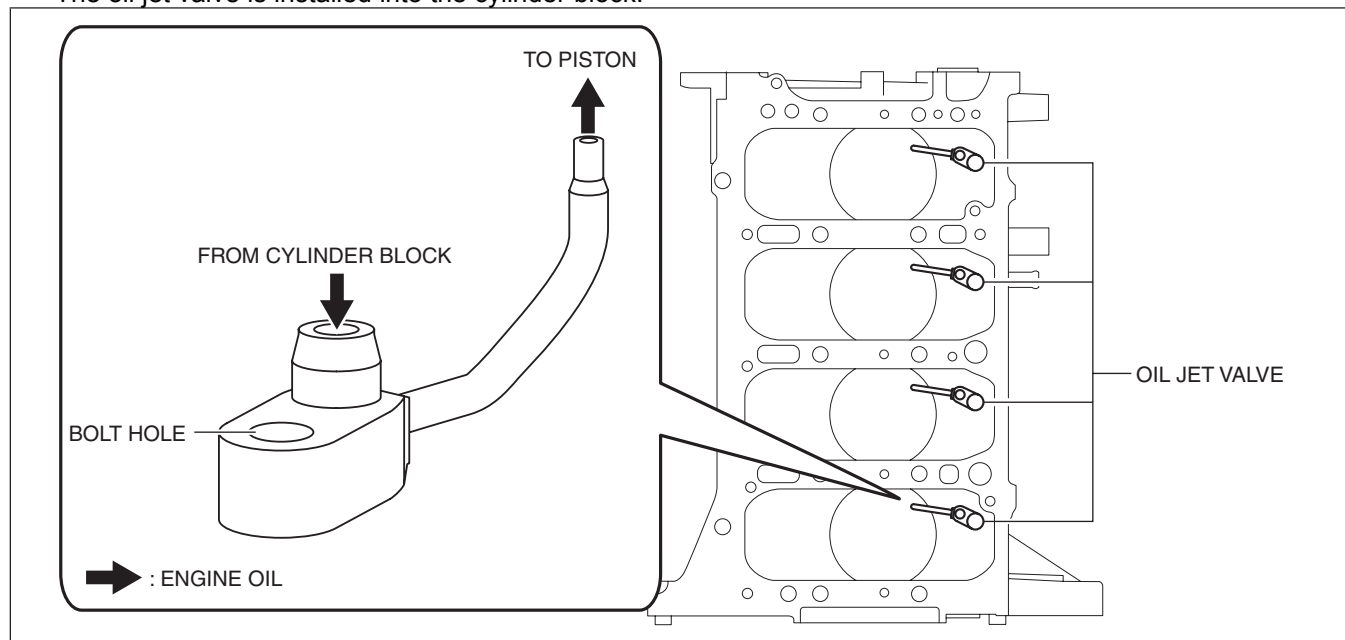
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Purpose, Function

- The oil jet valve injects engine oil on the back of the piston to cool the piston.

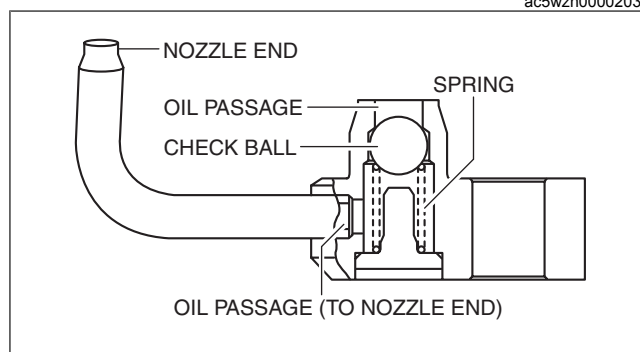
Construction

- The oil jet valve is installed into the cylinder block.



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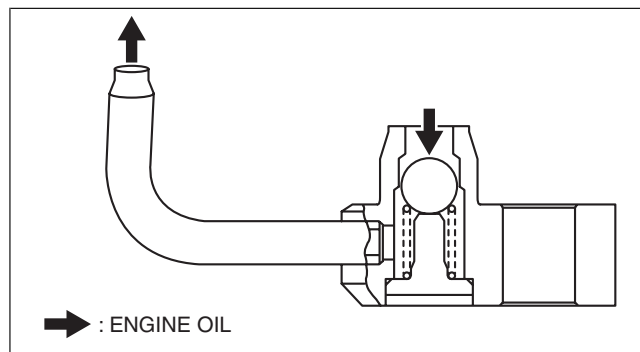
- The oil jet valve is built into the check ball and spring.



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Operation

- When the oil pressure applied to the check ball exceeds the spring force, the check ball and spring are pressed down.
- The oil passage is opened to the nozzle and engine oil is injected to the back side of the piston.
- When the oil pressure applied to the check ball is lower than the spring force, the spring presses up the check ball.



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4. The oil passage to the nozzle is closed and the injection of engine oil stops.

