

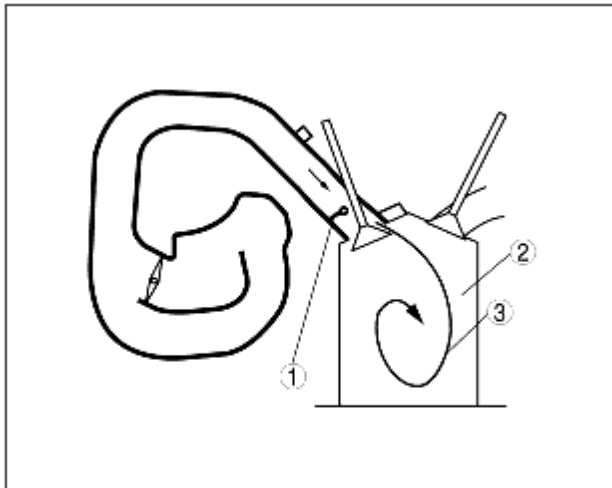
## VARIABLE TUMBLE SYSTEM OPERATION [ZJ, Z6]

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**Engine speed approx. 3,250 rpm or more and engine coolant temperature approx. 60°C {140°F} and less (variable tumble shutter valve is closed)**

• The variable tumble shutter valve closes according to operation of the variable tumble shutter valve actuator. At this time, the intake air passage is narrower than normal, and the intake airflow speed increases together with the creation of a powerful air tumble in the combustion chamber.



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1	Variable tumble shutter valve (closed)
2	Combustion chamber
3	Air tumble