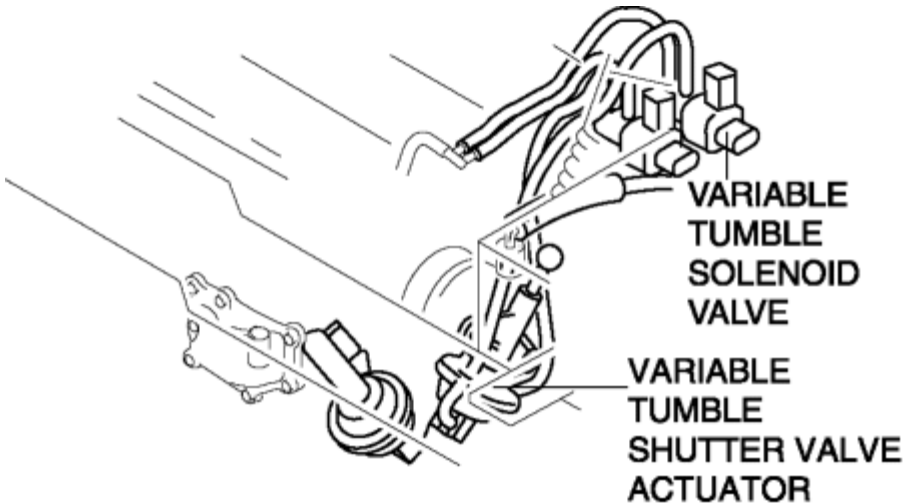


2012 - Mazda6 - Engine

VARIABLE TUMBLE SHUTTER VALVE ACTUATOR INSPECTION [MZR 2.5]

- 1. Remove the air hose. (See [INTAKE-AIR SYSTEM REMOVAL/ INSTALLATION \[MZR 2.5\]](#).)
- 2. Disconnect the vacuum hose from the variable tumble shutter valve actuator.



- 3. Connect a vacuum pump to the variable tumble shutter valve actuator.
- 4. Apply vacuum and verify that the rod moves.

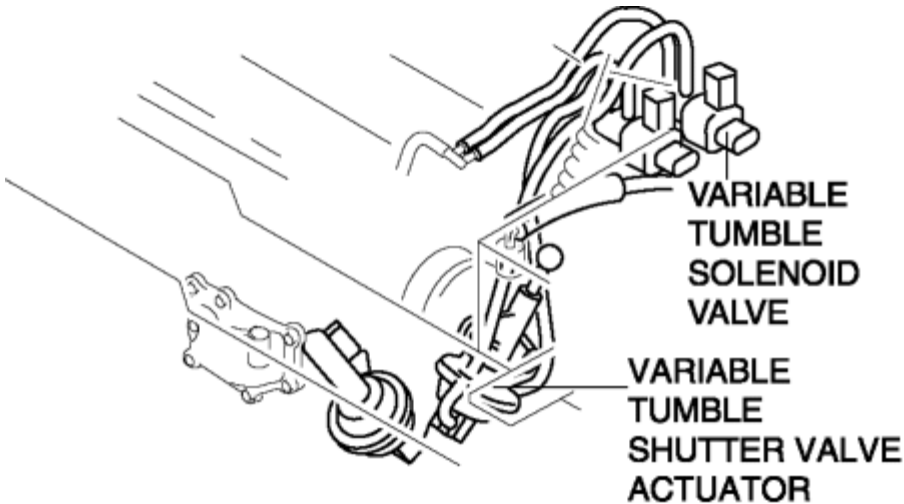
Vacuum kPa {mmHg, inHg}	Rod movement
Below -2.7 {-20, -0.8}	No operate
Above -33.4 {-251, -9.86}	Fully pulled

- If the rod does not move, replace the intake manifold. (See [INTAKE-AIR SYSTEM REMOVAL/ INSTALLATION \[MZR 2.5\]](#).)

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