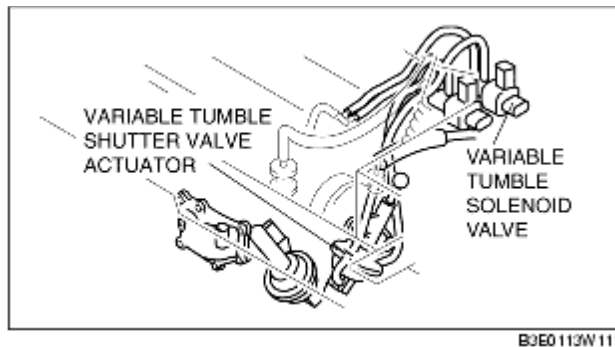


VARIABLE TUMBLE SHUTTER VALVE ACTUATOR INSPECTION [LF]

B3E011320130W06

1. Remove the air hose. (See [INTAKE-AIR SYSTEM REMOVAL/INSTALLATION \[LF\]](#).)
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.
 - If the rod dose not move, replace the intake manifold.

Vacuum kPa {mmHg, inHg}	Rod movement
Below -2.7 {-21, -0.9 }	No operate
Above -33.4 {-251, -9.89 }	Fully pulled