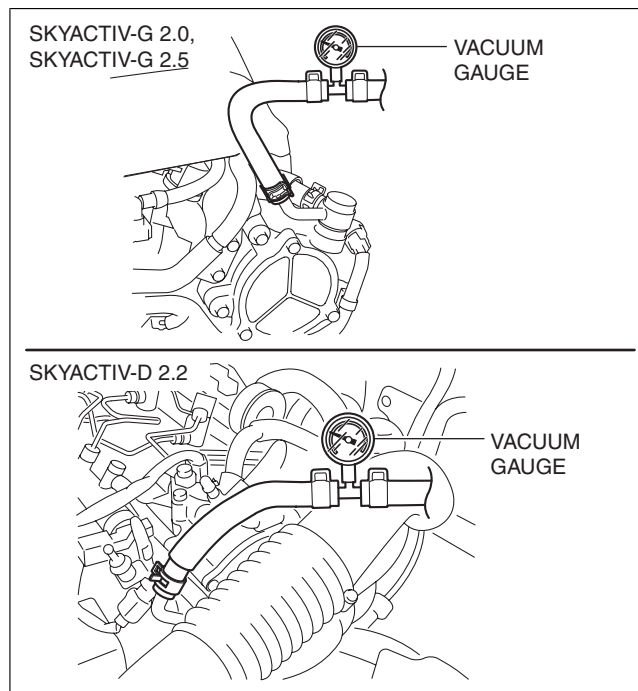


VACUUM PUMP INSPECTION

id041100811000

1. Remove the engine cover. (SKYACTIV-D 2.2) (See ENGINE COVER REMOVAL/INSTALLATION [SKYACTIV-D 2.2])
2. Pinch open the clamp using pliers and disconnect the vacuum hose from the vacuum pump. (See VACUUM HOSE REMOVAL/INSTALLATION.)
3. Install the vacuum gauge as shown in the figure, then check the vacuum.
4. Warm up the engine.
 - If the pressure is less than the specification, inspect for the following.
 - Malfunction of the vacuum pump
 - Shortage of the lubrication oil pressure



ac5wzw00006264

Vacuum pump vacuum specification (reference value)

Engine type	Measurement condition		Specification
	Engine speed	Change in vacuum amount	Period of time change in vacuum amount condition met
SKYACTIV-G 2.0, SKYACTIV-G 2.5 SKYACTIV-D 2.2	While idling (520—700 rpm (reference value))	From 60 kPa {450 mmHg, 18 inHg} to 67 kPa {503 mmHg, 20 inHg}	8 s or less
			9 s or less

Vacuum pump maximum vacuum specification (reference value)

Engine type	Measurement condition	Specification
SKYACTIV-G 2.0, SKYACTIV-G 2.5 SKYACTIV-D 2.2	While idling (no time designation)	93.3 kPa {700 mmHg, 27.6 inHg} or more

5. Install in the reverse order of the removal.