

1. Measure the voltage at the control unit terminals.

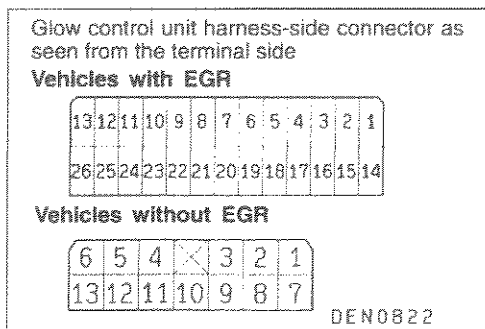
NOTE

1. Inspect with the control unit connector connected.
2. When measuring the voltage, connect the control unit terminal (26) (terminal (10) for vehicles without EGR) to the earth.

Terminal Voltage Reference Table

Inspection terminal	Inspection item	Inspection condition	Standard value	
5 13*	Engine coolant temperature sensor (Engine coolant temperature detection)	Ignition switch "ON" → "OFF"	Engine coolant temperature: -20°C	4.3–4.5 V
			Engine coolant temperature: 0°C	3.7–3.9 V
			Engine coolant temperature: 20°C	2.8–3.0 V
			Engine coolant temperature: 40°C	1.9–2.1 V
			Engine coolant temperature: 80°C	0.5–0.7 V
12 2*	Ignition switch (power supply)	Ignition switch "OFF" → "START"	8 V or more	
14 7*	Glow plug relay (glow time control)	Ignition switch "OFF" → "ON" Engine coolant temperature: 40°C (104°F) or less (Pre-glow function inspection)	9–12 V 0–0.5 V after approx. 8 sec. (when engine coolant temperature is 20°C)	
17 3*	Glow indicator lamp	Ignition switch "OFF" → "ON" Engine coolant temperature: 40°C (104°F) or less	0–1 V 11–13 V after approx. 1 sec. (when engine coolant temperature is 20°C)	
23 6*	Alternator charging signal ("L" terminal)	Ignition switch "OFF" → "ON"	1–4 V	
		Engine is idling	11 V or more	
26 10*	Earth	–	–	

\*: indicates vehicles without EGR



2. Remove the control unit connector and check the continuity between the harness-side connector terminals.

Inspection terminal	Inspection item	Continuity (resistance value)
14–26 7–10*	Glow plug relay	Continuity (approx. 3 Ω)

\*: indicates vehicles without EGR