

FIELD COIL

Continuity test of the field coil

Unit: Ω

Item		Maintenance standard	Service limit	Remarks
Resistance	0202 152 0201 152	5.6 - 6.8	—	At 20°C (68°F)
	0201 222	5.0 - 7.0	—	

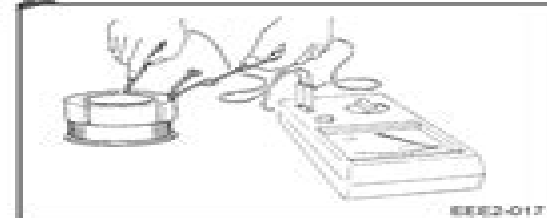
If there is no continuity, the field coil may be broken. Replace the field coil as an assembly.



EE-2-016

Insulation test of the field coil

Make sure there is no continuity. If there is continuity, the field coil may be shorted. Replace the field coil as an assembly.



EE-2-017

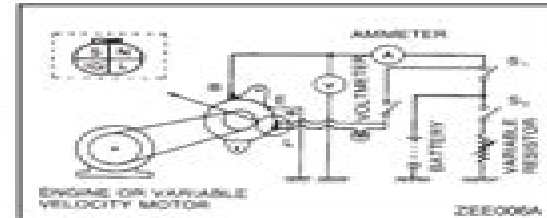
PERFORMANCE CHECK

NOTE

- Use leads with a cross-sectional area greater than 8 mm² (0.0124 sq in) and a length less than 2.5 m (8.2 ft) to connect the line between the alternator's B terminal and positive battery terminal, the E terminal and battery ground terminal, and the L terminal and battery ground terminal.
- Use switches with as small a contact resistance as possible in the circuit.
- Conduct performance test in areas where ambient temperature is maintained at 20°C (68°F).

Start-up revolution

1. Install the alternator on a vehicle or connect to a variable velocity motor and connect the leads as shown in the figure.
2. Turn switches SW1 and SW2 "ON", then gradually increase alternator speed.
3. When the voltmeter registers a voltage higher than the voltage when the alternator is stopped, turn switch SW1 "OFF".
4. While observing the voltmeter, increase alternator speed.
5. Read alternator speed (rpm) when the voltmeter registers 27 volts.



ZEE005A

Manual Nissan Diesel Ud Fe6

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