ENGINE ECU (European Spec.)

ED026–02

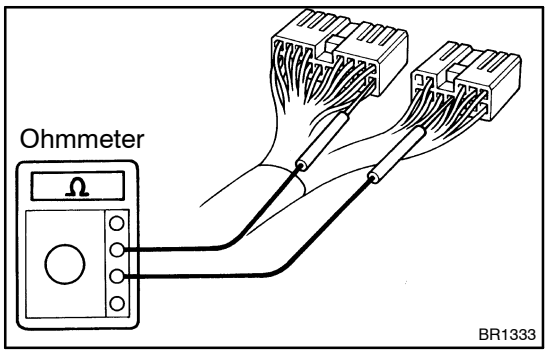
INSPECTION

HINT:

The ECD circuit can be checked by measuring the resistance and voltage at the wiring connectors of the engine ECU.

1. **REMOVE ENGINE ECU FROM VEHICLE BODY**
2. **INSPECT VOLTAGE OF ENGINE ECU**
   (See page DI–18)
3. **INSPECT RESISTANCE OF ECD CIRCUITRY**

Terminals	Condition	STD resistance (Ω)
LU+A ↔ +B	–	15 – 30
LU–A ↔ +B	–	15 – 30
LU+B ↔ +B	–	15 – 30
LU–B ↔ +B	–	15 – 30
THA ↔ E2	Intake air temp. 20°C (68°F)	2.0 – 3.0 k
THF ↔ E2	Fuel temp. 20°C (68°F)	2.0 – 3.0 k
THW ↔ E2	Coolant temp. 80°C (176°F)	0.2 – 0.4 k
TDC+ ↔ TDC–	Cold (–10°C (14°F) to 50°C (122°F))	19 – 32
TDC+ ↔ TDC–	Hot (50°C (122°F) to 100°C (212°F))	24 – 37
NE+ ↔ NE–	–	205 – 255
TCV ↔ +B	–	10 – 16
EGR ↔ +B	–	11 – 18
EGRC ↔ +B	25°C (77°F)	30 – 40
PA ↔ +B	25°C (77°F)	30 – 40
SVR ↔ +B	–	60 – 80
IREL ↔ E01	–	4 – 8
MREL ↔ E01	–	60 – 80
SCV ↔ +B	–	30 – 40



(a) Turn the ignition switch OFF.
(b) Disconnect the 4 connectors from the engine ECU.
(c) Measure the resistance between each terminal of the wiring connectors.

NOTICE:

- **Do not touch the engine ECU terminals.**
- **The tester probe should be inserted in the wiring connector from the wiring side**