TROUBLESHOOTING

BATTERY IS DAMAGED OR WEAK

Remove the battery (page 16-5).
Check the battery condition using the recommended battery tester.

RECOMMENDED BATTERY TESTER:
BM-210 or BATTERY MATE or equivalent

Incorrect → • Faulty battery

Correct ↓

Install the battery (page 16-5).
Check the battery current leakage (Leak test; page 16-7).

Incorrect → Disconnect the regulator/rectifier connector and recheck the battery current leakage.

Correct → • Faulty regulator/rectifier

Incorrect → • Shorted wire harness
• Faulty ignition switch

Correct ↓

Check the alternator charging coil (page 16-7).

STANDARD: 0.1 – 1.0 Ω (20 °C/68 °F)

Incorrect → • Faulty charging coil

Correct ↓

Measure and record the battery voltage using a digital multimeter (page 16-5).
Start the engine.
Measure the charging voltage (page 16-6).
Compare the measurement to result of the following calculation.

STANDARD:
Measured battery voltage < Masured charging voltage < 15.5 V

Correct → • Faulty battery

Incorrect ↓