

ALTERNATOR REGULATOR INSPECTION OF ALTERNATOR REGULATOR

1. DISCONNECT REGULATOR CONNECTOR
2. REMOVE TWO MOUNTING BOLTS AND REGULATOR

3. INSPECT POINT SURFACES FOR BURN OR DAMAGE
If defective, replace the regulator.

4. MEASURE RESISTANCE BETWEEN TERMINALS

- (a) Using an ohmmeter, measure the resistance between terminals IG and F.

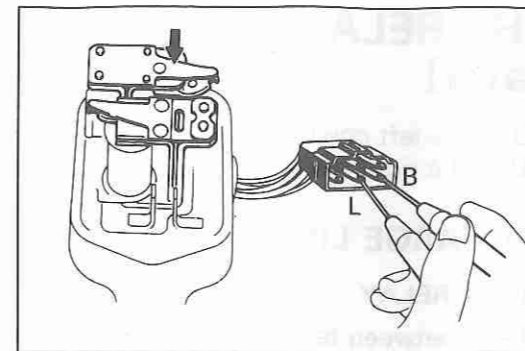
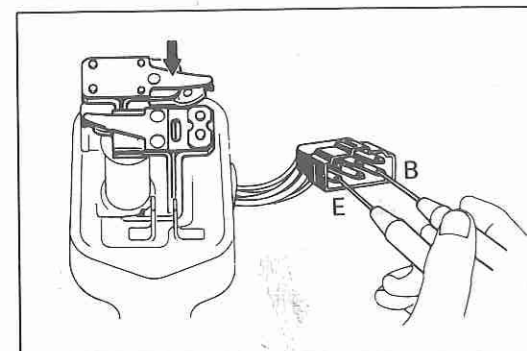
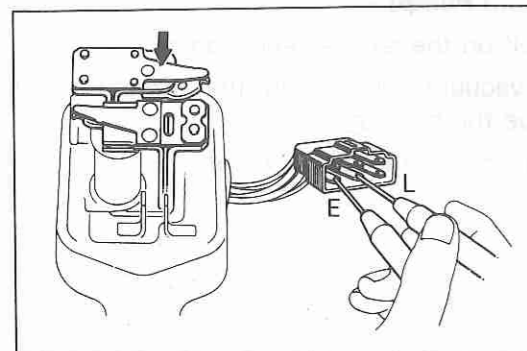
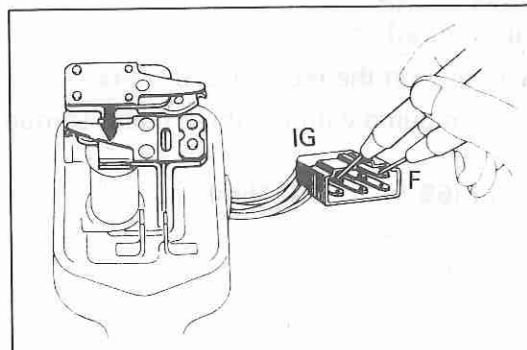
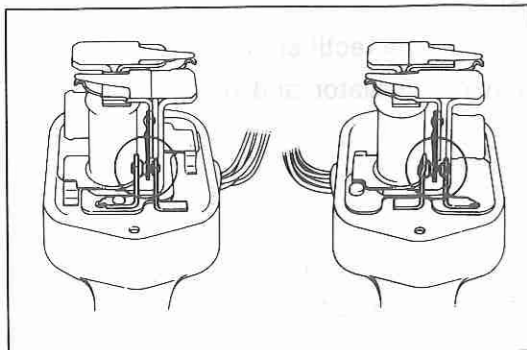
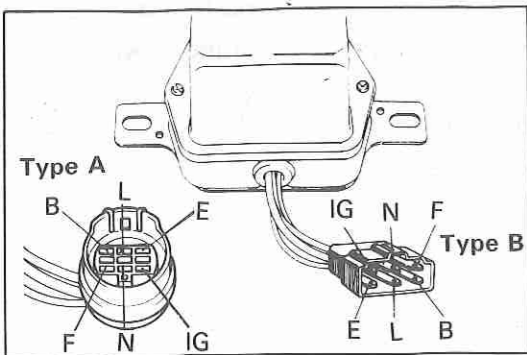
Resistance (voltage regulator):
At rest 0 Ω
Pulled in Approx. 11 Ω

- (b) Using an ohmmeter, measure the resistance between terminals L and E.

Resistance (voltage relay):
At rest 0 Ω
Pulled in Approx. 100 Ω

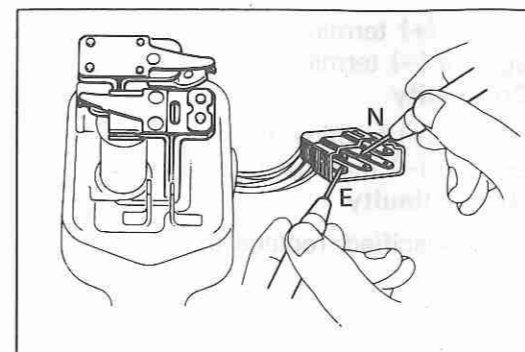
- (c) Using an ohmmeter, measure the resistance between terminals B and E.

Resistance (voltage relay):
At rest Infinity
Pulled in Approx. 100 Ω



- (d) Using an ohmmeter, measure the resistance between terminals B and L.

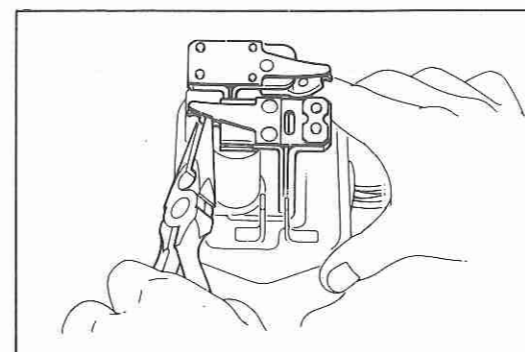
Resistance (voltage relay):
At rest Infinity
Pulled in 0 Ω



- (e) Using an ohmmeter, measure the resistance between terminals N and E.

Resistance: Approx. 24 Ω

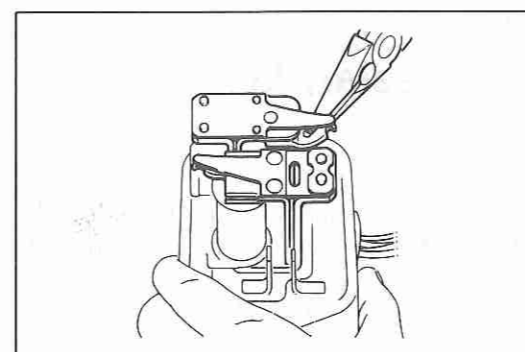
If any of the above checks are not as specified, replace the alternator regulator.



VOLTAGE ADJUSTMENT OF ALTERNATOR REGULATOR

1. TO ADJUST VOLTAGE REGULATOR, BEND REGULATOR ADJUSTING ARM

Regulating voltage: 13.8 – 14.8 V



2. TO ADJUST VOLTAGE RELAY, BEND RELAY ADJUSTING ARM

Relay actuating voltage: 4.0 – 5.8 V