

## Regulator/Rectifier Inspection

### • Wire Harness Inspection

Disconnect the 6P(WHITE) and 3P(WHITE) regulator/rectifier connectors.

Check the connectors for loose or corroded terminals.

Item	Terminals	Specification
Battery charging line	Red/White (+) and ground (-)	Battery voltage should register.
Ground line	Green and ground	Continuity exist.

### Regulator/rectifier Unit Inspection

If the circuits on the wire harness side are normal and there are no loose connections at the connector, inspect the regulator/rectifier unit by measuring the resistance between the terminals.

#### NOTE

- You will get false readings if the probes touch your fingers.
- Use the specified multimeters. Using other equipment may not allow you to obtain the correct results.
- This is due to the characteristic of semiconductors, which have different resistance values depending on the applied voltage.

#### Specific Multimeters:

- 07411-0020000 (KOWA Digital type)
- 07308-0020001 (SANWA Analogue type)
- TH-5H (KOWA Analogue type)

- Select the following range:

SANWA: k $\Omega$

KOWA:  $\times 100$  (Digital type: CDI $\Omega$ , R $\times 100$ )

- An old battery stored in the multimeter could cause inaccurate readings. Check the battery if the multimeter resistance is incorrect.
- When using the KOWA multimeter, remember that all readings should be multiplied by 100.

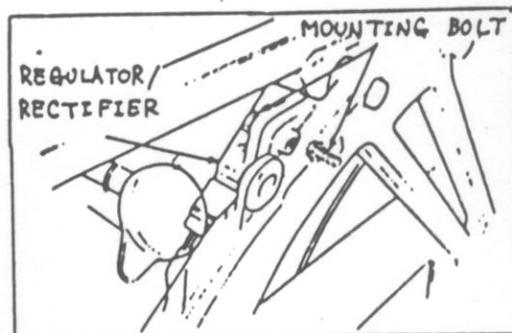
Replace the regulator/rectifier unit if the resistance value between the terminals is abnormal.

## Alternator Inspection

Measure the resistance between the yellow wire terminals of the alternator 3P connector main harness side.

Standard: 0.1-1.0  $\Omega$  (20°C/ 68° F)

Make sure that there is no continuity between the yellow terminals and ground.



Multimeter	SANWA	k $\Omega$ range
	KOWA	R $\times 100 \Omega$

#### Resistance

Unit: k $\Omega$

Tester Probe (+) Tester Probe (-)	Red/White	Green	Yellow	Yellow	Yellow
Red/White	~	~	~	~	~
Yellow	1-20	0.5-10	0.5-10	0.5-10	0.5-10
Yellow	0.5-10	~	~	~	~
Yellow	0.5-10	~	~	~	~
Yellow	0.5-10	~	~	~	~

