

# Charging System

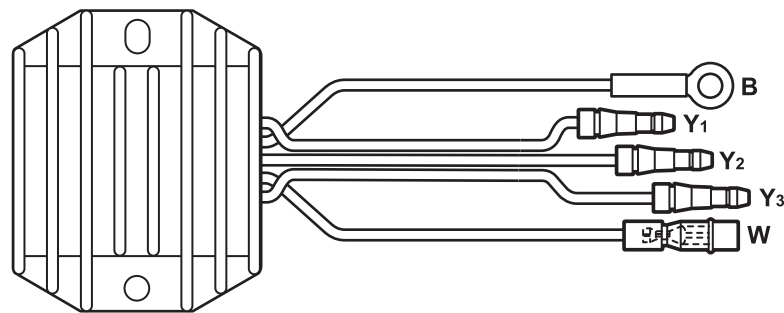
## Service Instructions

### Rectifier / Regulator Inspection (All models)

CENDK1121B06011

Recommended tester for inspection has been changed.  
Inspect the rectifier/regulator in the following procedures:

- 1) Remove the rectifier/regulator.  
Refer to “Rectifier / Regulator Removal and Installation” in related manual.
- 2) Measure voltage between leads in the combinations shown.  
If measurement exceeds specification, replace rectifier/regulator.



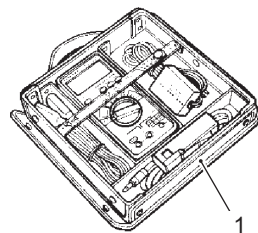
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### Special tool

 : 09900-25008 (Multi circuit tester set)

### Tester knob indication

Diode test (  )



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1. Multi circuit tester set

Unit: V

		Tester probe (+)				
		W	B	Y1	Y2	Y3
Tester probe (-)	W	—	0.4 – 0.8	0.3 – 0.6	0.3 – 0.6	0.3 – 0.6
	B	*	—	*	*	*
	Y1	*	0.3 – 0.6	—	*	*
	Y2	*	0.3 – 0.6	*	—	*
	Y3	*	0.3 – 0.6	*	*	—

\*: 1.4 V or more (Tester’s battery voltage.)

### NOTE

If the tester reads 1.4 V or below when the tester probes are not connected, replace its battery.

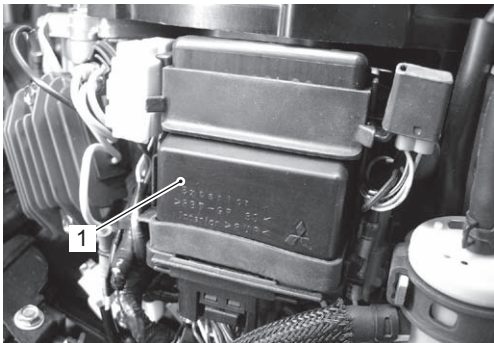
- 3) Install the rectifier/regulator.

**Main Relay Inspection (Remote Control Model)**

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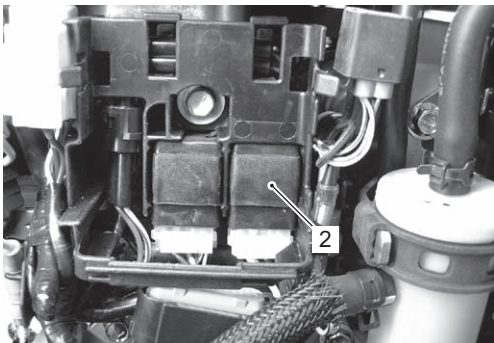
Inspect the main relay using the following procedures:

- 1) Disconnect lead wire connector from ECM (1), then remove ECM.



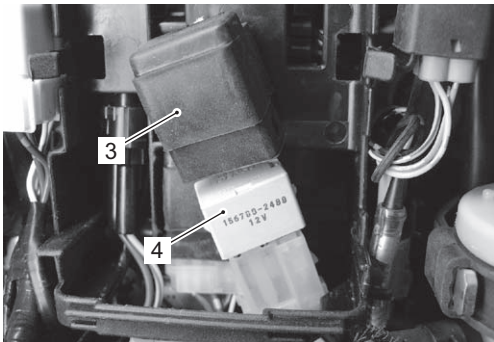
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- 2) Pull out the main relay and relay cover (2) from electric parts holder.



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- 3) Remove the relay cover (3), then disconnect the main relay (4) from the lead wire connector.



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- 4) Check continuity between terminal (5) and (6) each time 12 V power supply is applied to terminal (7) and (8).  
Connect the positive (+) lead to terminal (8), and negative (-) lead to terminal (7).

**NOTICE**

If the 12 V power supply wire is connected to wrong terminal or touched to each other, the power supply wire, tester may be damaged.

Be careful not to touch 12 V power supply wires to each other or with other terminals.

**Special tool**

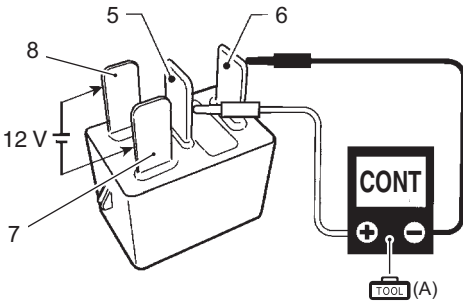
**TOOL** : 09930-99320 (Digital tester)

**Tester knob indication**

Continuity (  $\bullet$  ) )

**Main relay function**

	Continuity
12 V power applied	Yes
12 V power not applied	No



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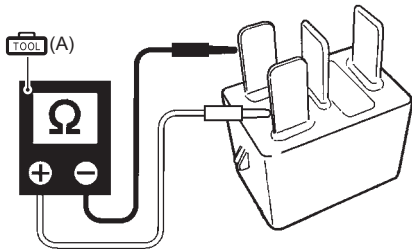
- 5) Measure the resistance between relay terminals (7) and (8).  
If out of specification, replace main relay.

**Tester knob indication**

Resistance ( $\Omega$ )

**Main relay solenoid coil resistance**

Standard: 145 – 190  $\Omega$



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- 6) Reinstall parts removed earlier.

