

# Viper 50 70 90 & 90R Charging Test Check List

1. Check battery charge.

Voltage should be 12.0—13.0 volts if voltage is less than 12.0 charge the battery for 2-3 hours with trickle charger. Retest battery voltage after charging. If voltage remains below 12.0 the battery should be replaced.

2. If battery voltage is within the range stated above check the following.

Disconnect positive lead (Red) from battery  
Set ignition switch to off position.  
Test positive battery lead to positive battery terminal for current draw. If there is a voltage draw continue  
Disconnect the LED leads at harness.  
Re-test for current draw at battery.  
If voltage draw drops to zero replace the LED assembly.

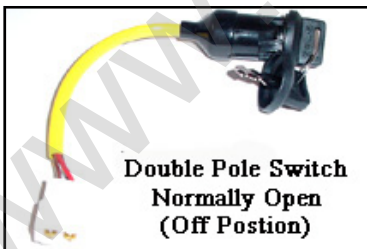
If draw remains

### Brake Switch and Brake Light



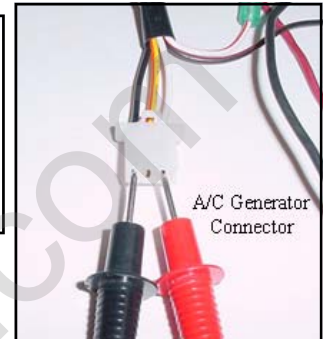
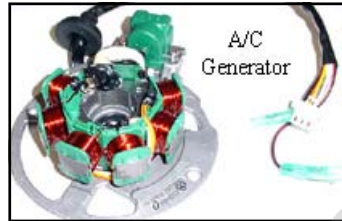
Check left hand brake switch for proper operation.  
Does brake light remain on?  
Test operation of switch by disconnecting switch leads at the harness.  
If brake light go off, replace the brake switch.

### Ignition Switch



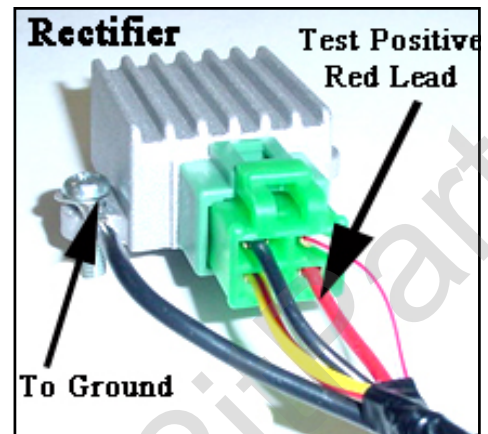
Turn ignition switch to off position Test across red and brown leads with multi-meter. If meter show current flow or closed circuit replace the switch.

### A/C Generator Test



### A/C Voltage test

Using Multi Meter, connect positive lead to white wire and negative lead to black wire at the connector. Turn ignition switch on, lock parking brake in on position and engine run switch to the on position. Press starter switch to start the engine. Voltage reading should be 13.5—15.0 volts at engine idle. If volt is below 12.0 volts replace generator.



### Voltage rectifier.

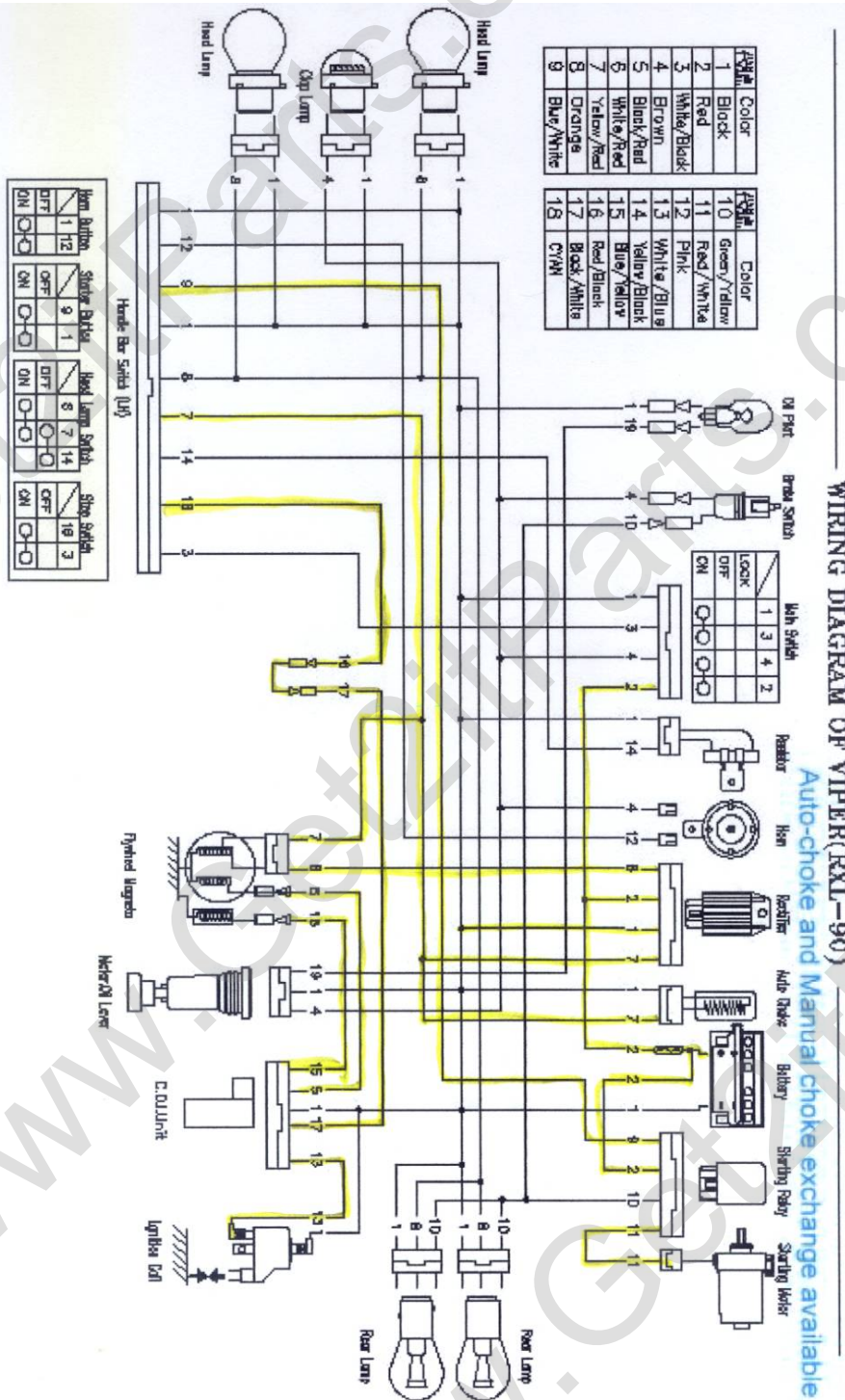
With the engine still running at idle, test the voltage from the Voltage rectifier by probing the red wire to ground. Voltage should be between 13.5—15.0 volts if voltage is below 12.0 volts replace the voltage Rectifier.

NOTE: This test can also be done by checking the voltage across the battery terminals.



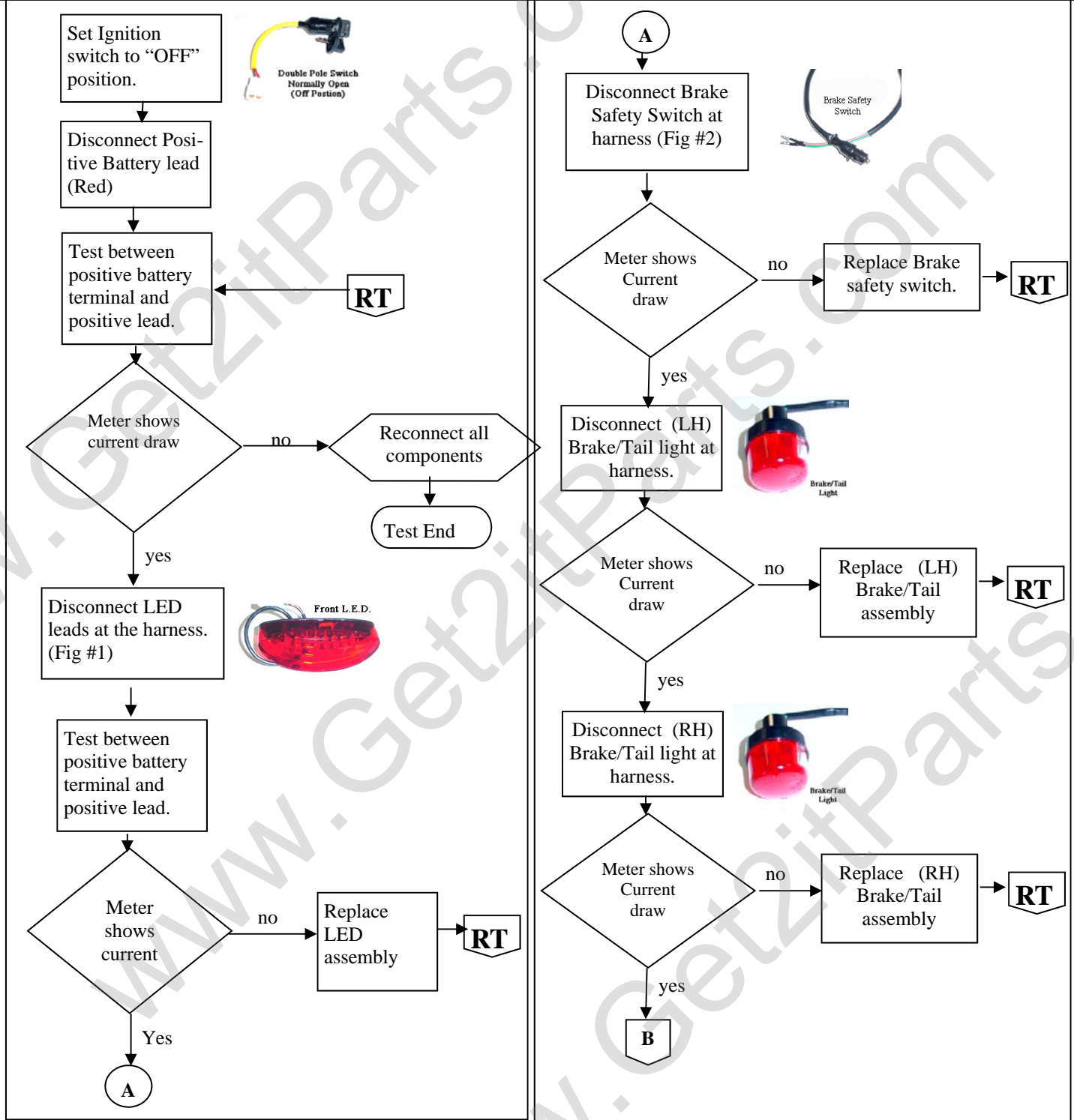
SCL-0001  
01/10/2004

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