

**APPLICATIONS:** Yamaha  
XS500/750/850/1100 and  
other models

## Wiring Code

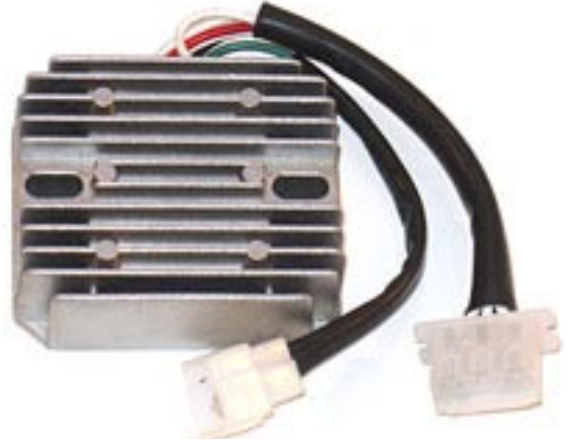
RED: Positive, BLACK: Ground  
WHITE: Phase input from stator  
BROWN: Voltage sensing input from ignition switch  
GREEN: Switched ground output for the field of the alternator

## Installation

Note: Six way block connector female pins, three way block connector male pins (only two pins used) This unit replaces both the original rectifier and the (mechanical) regulator. Remove the rectifier, and plug in the six way block connector. Remove the regulator and plug the block connector in the original regulator plug. Mount the part in a suitable location. Grounding the housing is unnecessary, the black wire in the block connector takes care of that.

Carefully unplug all block connectors from existing wiring harness. Unscrew mounting bolts from defective regulator rectifier. Be sure to retain the bolts.

Locate the new part into position and fasten with previously removed bolts. Carefully plug together block connectors into existing wiring harness. Make sure you have seated all connectors snugly.

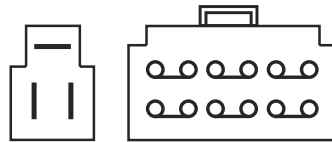


Complete by making sure that all wiring is tucked away and will not rub the frame. If necessary use a few tie wraps to secure the wiring harness.

## NOTE: If you need to modify the connector

It does not matter which regulator rectifier yellow wire connects to which yellow wire coming from the stator. The output from each is the same.

*Note: Due to part improvements and redesigns, your part may look different from what is shown.*



**ESR310 Connectors**

## Troubleshooting

**If the charging system is still not working:** *Before calling technical support at ElectroSport, perform a few basic tests:* 1) Re-check the connections, Be sure that you have used quality crimp connections. Twisting wires together or taping wires will not work. 2) Download ElectroSport's comprehensive FAULT-FINDING CHART from the technical area at <http://www.electrosport.com>

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