

# **TTR Ignition Systems**

## Installation Instructions for the FZR Voltage Regulator / Rectifier Adaptor Harness

1. Inspect the adaptor harness, ensuring that no wires are obviously damaged or loose.
2. Ensure the bike ignition switch is OFF.
3. Remove the rider's seat and the left tail panel.
4. Disconnect the Battery Negative (Black) cable from the battery.
5. Unplug the existing 4-pin connector from the existing 4-pin VRR.
6. Unbolt and remove the existing 4-pin VRR.
7. Tape off the Black ground wire originally secured near or under the upper mounting bolt of the 4-pin VRR. It is no longer used.
8. Mount the new 5- or 6-pin VRR in the desired location. Some mounting fabrication and adaptation may be necessary.
9. Plug the 4-pin connector of the adaptor into the stock harness; plug the 6-pin connector of the adaptor into the VRR.
10. Run the Black VRR Ground wire on the adaptor harness back to the Ground Bus on the frame or engine. This is located below and beside the battery on the frame, and can be located by following the Battery Negative cable down to this point.
11. Remove the bus bolt, cleaning away any accumulated dirt or corrosion.
12. Replace the bus bolt, securing both the Battery Negative cable and the VRR Ground cable together on the bolt.
13. Reconnect the Battery Negative cable to the battery.
14. Start the engine and measure the voltage across the battery terminals. It should read between 13.5 and 15.3 vdc at 5000 rpm, depending on the model of VRR installed.
15. Replace the left tail panel and rider's seat.
16. Ride!