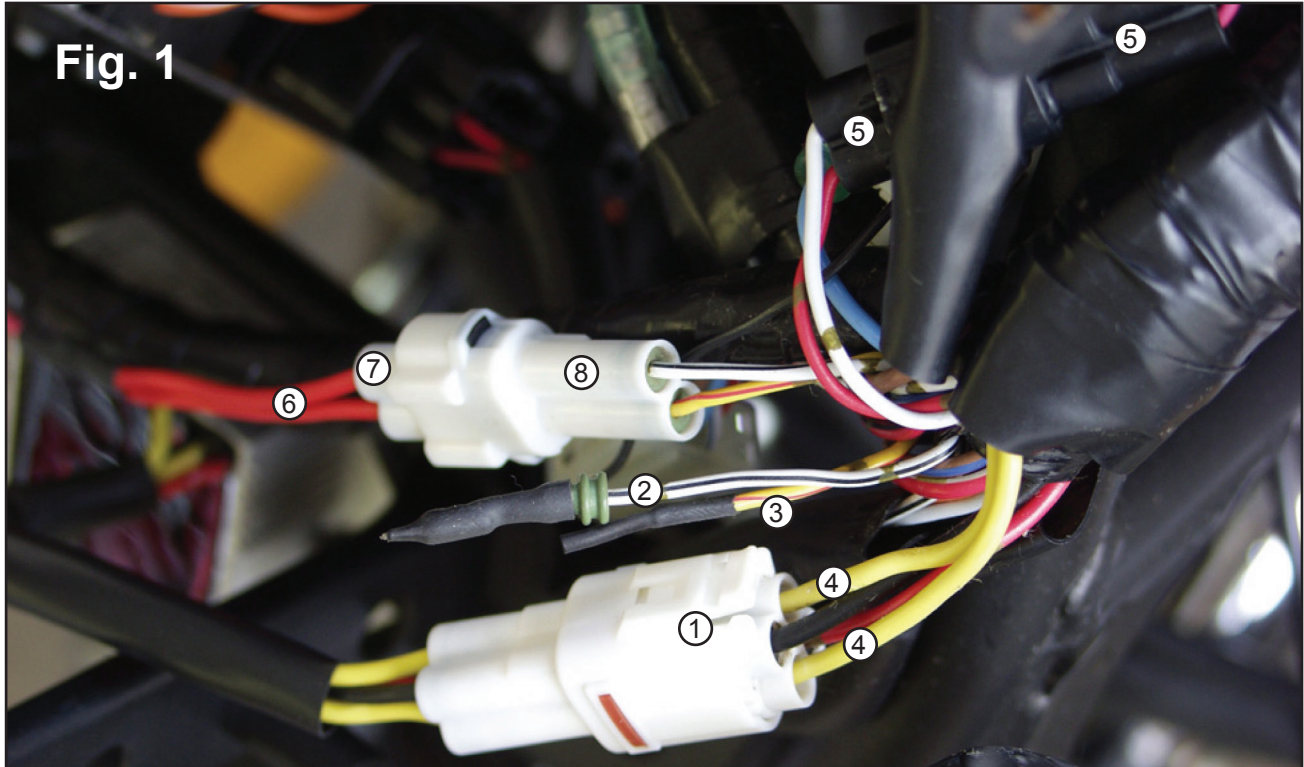# TRAIL TECH

YFZ450 STATOR WIRING GUIDE

FINISHED INSTALLATION PICTURE:

Fig. 1

Step 1: Remove the Body Panels. Remove the seat, the plastic gas tank cover and the front plastic body cover. Make sure not to damage the indicator lights while removing the front cover.

Step 2: Disconnect the Battery. Disconnect the Battery before continuing. *Failure to do so may cause stator damage.*

Step 3: Replace stator. Remove the stock stator from the sidecase and replace it with the new Trail Tech stator. Make sure to re-tighten the case bolts to specification.

Step 4: Install Trail Tech Regulator/Rectifier. Remove the stock regulator/rectifier and replace it with the Trail Tech regulator/rectifier (plugs into same connector on the bike.)

Step 5: Remove 2 and 3 from 1. Release their pins and remove them from 1. Seal off 2 and 3, they are not required. *See reverse side of page for guide on releasing connector pins.*
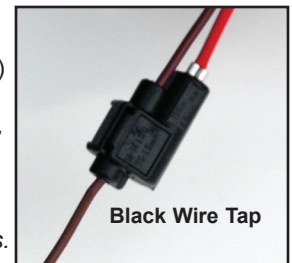
Step 6: Snap 4 and 4 into 1. Connect provided 3" yellow jumper wires to stock connector 1.

Step 7: Connect jumpers to Stator. Bullet connectors (4 and 4) have been pre-crimped to match the bullet connectors on the stator. Connect them.

Step 8: Connect 5. Plug in the 2-Pin Modular Plug from the Trail Tech Stator to the wire harness.

Step 9: Connect 6 to Power.
• Connect black wire tap (provided) to Brown wire on Key Switch. *Note: Connect to solid brown wire, not brown wire with blue stripe.*
• Plug power Jumper (6) to black wire tap. *Note: This connection is made on back of Key Switch Wires.*

Black Wire Tap
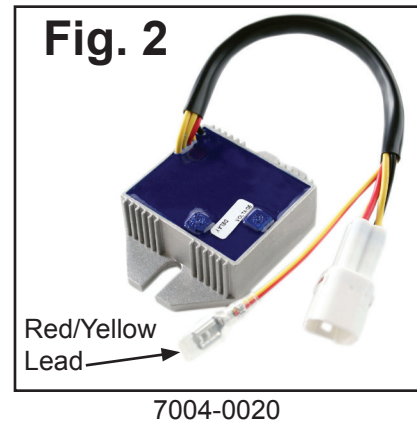
Step 10: Plug 7 into 8.

Step 11: Finishing Up: Zip-Tie wire bundle to frame or tuck it in. Reconnect Battery. Replace the front body cover (remember to reconnect the indicator lights), gas tank cover and seat.

Wire Numbering Key:
1 – White modular plug (from regulator/rectifier)
2 – White w/black stripe (from wire harness)
3 – Yellow w/red stripe (from wire harness)
4 – Two yellow connector wires (provided)
5 – Black modular plug (from stator / from wire harness)
6 – 12 Volts DC power jumper for CDI and lights (provided)
7 – Power jumper connector (provided)
8 – Stock wire harness connector (to CDI and lights)
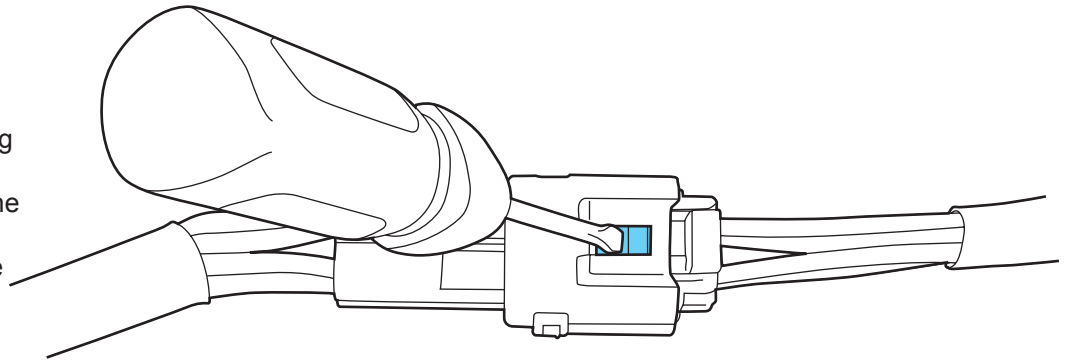
TRAIL TECH

YFZ450 STATOR WIRING GUIDE

Note: The SR-8500 stator kit will be provided with a new 7004-0020 Regulator Rectifier (Fig. 2.) The new Reg/Rec includes a lead not outlined in (Fig. 1) shown on the front side of the instruction sheet. This Red/Yellow lead can be used to power any after market accessory during motor operation. This 12VDC output will only be delivered during motor operation which triggers the relay circuit. You can also adjust the relay to allow the accessory to stay on for 30-45 seconds after the motor is shut off. This wire is not required to complete the installation of the SR-8500 kit.
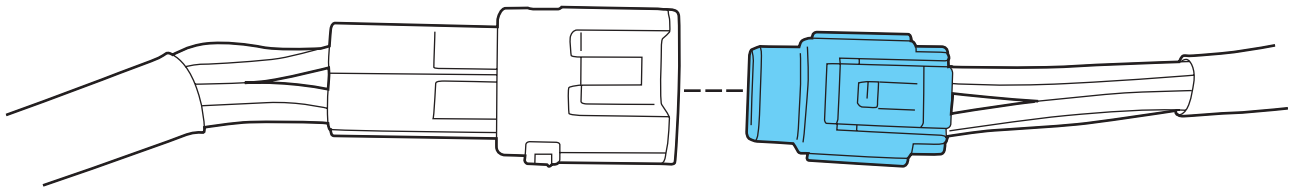
Fig. 2

Red/Yellow Lead →

7004-0020

GUIDE ON RELEASING CONNECTOR PINS:

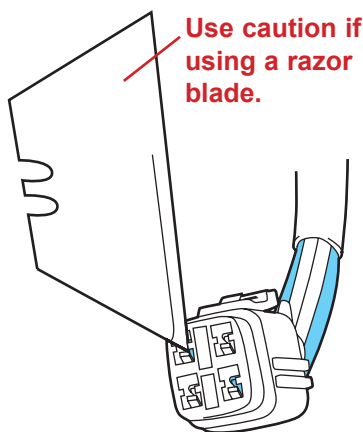**See Step 5 on Reverse Side of Page.**

Step 5-A: Find the white 4-pin connector connecting the regulator/rectifier to the stock wiring harness. Use a screw driver to push down on the locking tab which holds male connector to female connector.
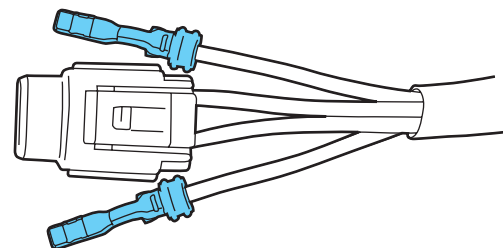
Step 5-B: While depressing the locking tab, separate the two connectors. Try not to pull on the wires.

Step 5-C: Release the terminals. Use a thin tool (a jewelers pick, razor blade, or small screwdriver.) Use the tool to flip up the locking tab that secures the terminals inside the connector. Gently pull on the wire while holding the lock tab up to remove the wire from the connector.

Use caution if using a razor blade.

Release the pins for the white/black wire and the yellow/red wire. Do not release the red or black wires. Use shrink-wrap on the exposed terminals so they do not cause a short.

Step 5-E: Continue to step 6.