

## KTM 2 STROKE 2005-2007 300/380 EXC/MXC

### INSTALL STATOR AND REGULATOR RECTIFIER:

For use only with KTM stock stator:

- (PN:54839204000) STATOR KOKUSAN 2K-3 2005

For use with Trail Tech flywheels:

- (PN:6320-26) -4 oz. lightweight flywheel
- (PN:6320-35) Similar to stock weight flywheel

**Step 1) Remove seat and fuel tank from bike.**

**Step 2) Remove stock stator from bike.**

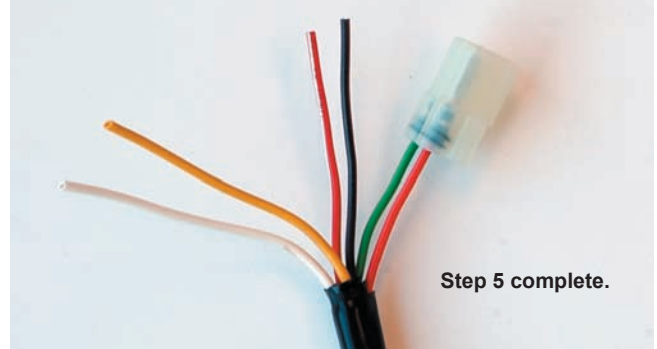
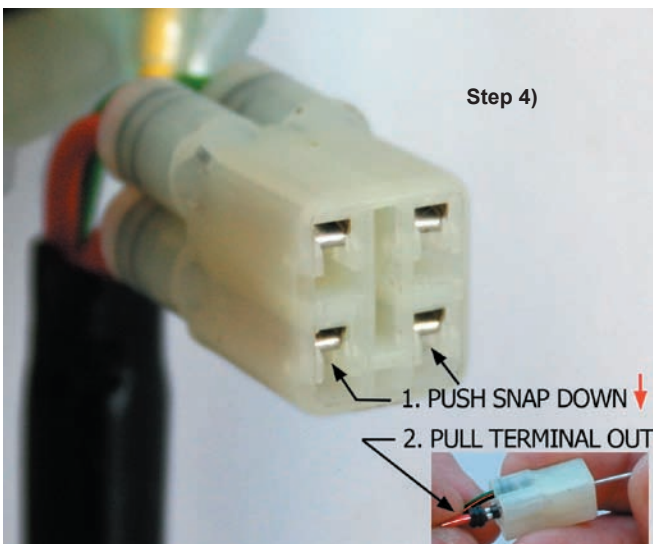
**Step 3) Unbolt stock stator from backing plate:**

*Two strokes require stock stator backing plate and ignition trigger shown to be reused during the installation of the Trail Tech stator.*

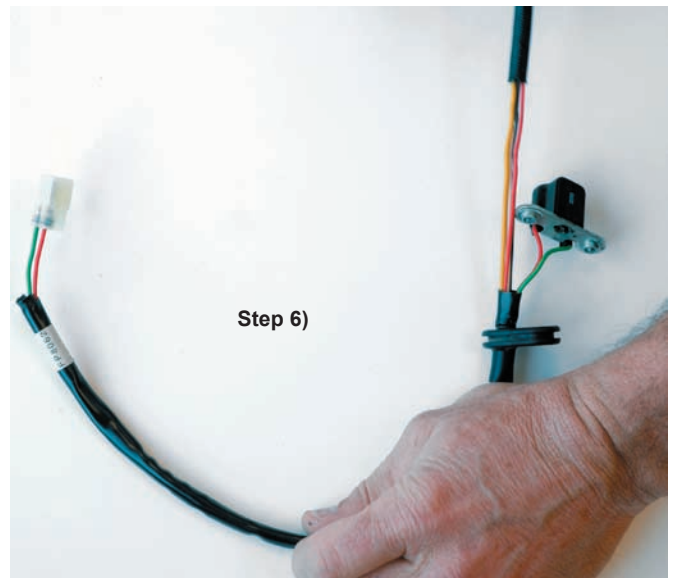


**Step 4) Prepare backing plate to receive Trail Tech stator:**

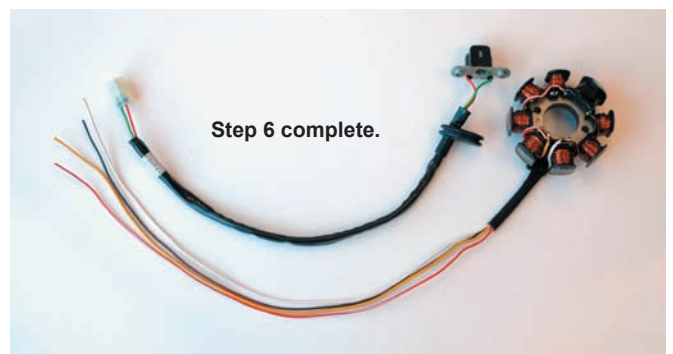
**Do not cut or release green or red ignition trigger wires.** Release red/white and black/red terminals from clear connector on stock stator with a paper clip.



**Step 5) Cut terminals from ends of stock stator:** Cut the red/white, black/red, yellow and white wires on the stock stator about 1" from the connectors. **Do not cut or remove red or green ignition trigger wires.**



**Step 6) Remove cut stock stator wires from black casing, as shown. Discard stock stator.**

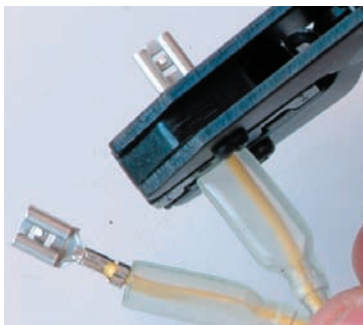


The backing plate is ready when it looks like the photo below.



**Step 6) Attach Trail Tech stator to stock backing plate.**

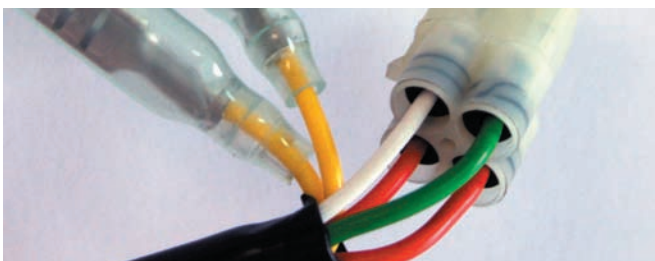
6-A. Bolt the Trail Tech stator to the stock backing plate.  
 6-B. Insert red, then white wires from Trail Tech stator into stock stator black wire casing one at a time. Use alcohol if necessary. Slide black bushing out of the way if the wires bind near bushing.



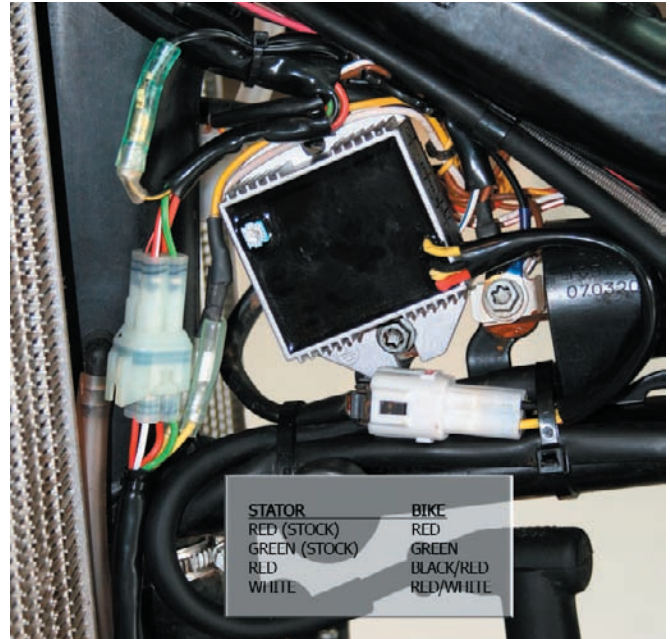
**Step 7) Slide one clear wire cover from the stock stator onto each of the new yellow wires.** Crimp the provided Trail Tech spade connectors onto the two yellow wires as shown.

**Step 8) Re-attach clear connector.**

There should be a red/black and a red/white wire coming from the stator. Solder them to the wire tips that were cut from the clear connector in step 3 (use about 1" length of wire, the goal is to add the terminals to the ends of the new wires). Use shrink-wrap to cover the solder joints. Snap the newly soldered wires' terminals into the clear connector.



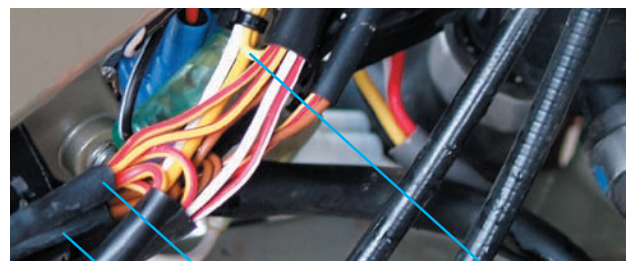
**Step 9) Complete the installation.** Install the Trail Tech stator assembly. Mount the Trail Tech regulator/rectifier and plug it in. Plug the clear connector from the stator into the stock wire harness. Reconnect yellow stator wires to stock location.



**Step 10) Connect to Battery.** If the motorcycle did not come stock with a battery, a wire must be run from the Trail Tech regulator/rectifier to the battery. Use a paper clip to remove the red wire terminal from the provided stub connector and clip it into the stock wire harness, as shown below. Then, connect the red stub to the positive(+) battery terminal (to connect the battery to the circuit.)



**Step 11) Connect light.** Add positive(+) lead from aftermarket light to red/yellow bundle and negative(-) lead to brown bundle. To use stock light, move small yellow wire shown to the red/yellow bundle. The yellow wire travels to stock headlight connector; moving it changes it from the AC side to the DC side.



Brown bundle Red/yellow bundle Small yellow wire