



**WARNING!**

**1.877.FASTOYS**

TRINITY RACING DOES NOT TAKE RESPONSIBILITY FOR DAMAGES THAT MAY OCCUR DURING OPERATION OF YOUR VEHICLE UNDER IMPROPER JET SETTINGS. IT IS THE FINAL RESPONSIBILITY OF THE OWNER/RIDER TO ADJUST JETTING TO SPECIFIC RIDING CONDITIONS AND ELEVATION BEFORE RIDING.

**PLEASE FOLLOW ALL OF THESE INSTRUCTIONS CAREFULLY.**

## **LT R450 EFI INSTRUCTIONS**

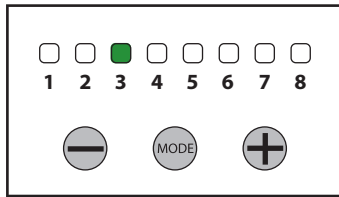
### **Installation Instructions**

1. Remove front plastics, remove gas tank, remove the positive lead on battery, and unplug connection on fuel injector.
2. The Stage IV controller can be mounted in numerous places such as underneath the seat, on top of fuel tank, etc. Where you place it depends on personal preference. Where you choose to mount the unit, be sure all leads are kept clear of any sharp or hot objects, or areas that could result in long term wear. Mount your controller and route the wires as described below.
3. The Stage IV controller has three leads. Attach the single black wire to the negative side of the battery. Plug the large black connector with the blue insert into the fuel injection system and plug the small black connector into the connector you removed from the injector in step 1. Re-attach the positive lead on the battery and install the fuel tank. Double check all connections.
4. Turn the key on and allow the engine to cycle without starting the bike. Completely open the throttle three times and then turn off the key.
5. Start the ATV and in approximately four seconds the lights on the Stage IV controller will be visible. With a proper install, you should see lights going from side to side on the controller. This will last approximately eight seconds and then will stop. After lights have stopped going side to side, you will notice a great light on the left side of the controller. When you rev the motor, lights will increase across the controller and even change colors.
6. Double check all fasteners and re-install front plastics.
7. The Stage IV controller has been programmed for ultimate performance when using Trinity Racing's Stage IV exhaust system and Powerflow intake system on an otherwise stock engine. Different products, modifications, or other conditions may require additional adjustments. Please refer to Basic Tuning Adjustments and all final fuel adjustments are the customer's responsibility.
8. You are now ready to ride! Enjoy your new Stage IV fuel management controller!

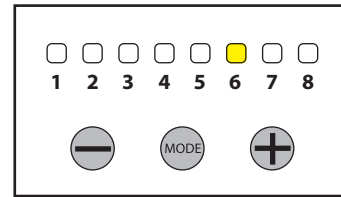
### **Basic Tuning Adjustments**

1. The following instructions are for basic fuel tuning. Modes 1, 2, & 3 are allowing adjustments to increase and decrease the amount of fuel the engine needs. Modes 4 & 5 are for advanced tuning only. **DO NOT** change modes 4 & 5 when doing basic tuning!
2. To help understand how these modes work, you can think of them as if you were working with a carburetor.
3. Remember each time you push the MODE button you will be advancing to the next mode. Push the MODE button once and you are now in mode 1, push the MODE button again and you are now in mode 2 and so on. You only need to be concerned with modes 1, 2 & 3 for basic tuning. Modes 4 & 5 are for advanced tuning **ONLY**.
4. If you need to go back to the settings that were pre programmed when you purchased the controller, just look at the picture in each mode, the colored square represents where the settings were when you purchased the controller.
5. Looking at the controller you will see eight lights with numbers under them, this is what you need to look at when changing settings. The #1 light on the controller represents the leanest setting.

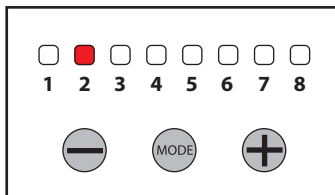
6. Mode 1 green light represents idle & cruise adjustment (i.e. pilot jet). To adjust this setting push the MODE button once and then push the plus or minus buttons to adjust fuel as needed.



7. Mode 2 yellow light represents an additional amount of fuel added during acceleration (i.e. needle position). To adjust this setting, push MODE twice and then push the plus or minus buttons to adjust fuel as needed.



8. Mode 3 red light represents more fuel being added during full throttle (i.e. main jet). To adjust this setting push the MODE button three times and then push the plus or minus buttons to adjust fuel as needed.

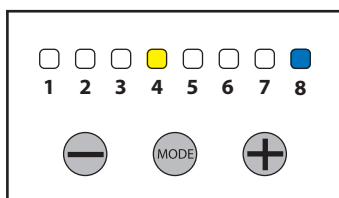


9. If you are confident about your tuning skills and feel you need to adjust other parameters, see Advanced Tuning.

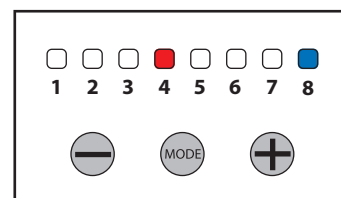
## Advanced Tuning Adjustments

1. Advance tuning has two modes in which to adjust. They are called mode 4 and mode 5. In basic tuning, you are changing the amount of fuel that the engine receives, but with advance tuning, you will be changing when the fuel will be available. In each mode you can adjust how soon the fuel delivery occurs.

2. Mode 4 yellow light and blue light represent when the fuel delivery is available during partial throttle acceleration. To adjust this setting, push the MODE button four times and then push the plus or minus buttons to adjust fuel as needed. Only the yellow light will be changing.



3. Mode 5 red lights and blue light represent when the fuel delivery is available during full throttle acceleration. To adjust this setting, push the MODE button five times and then push the plus or minus buttons to adjust fuel as needed. Only the red lights will be changing.



**THANK YOU FOR YOUR BUSINESS. HAVE A FUN AND SAFE RIDE!**

TRINITY RACING • 9242 HYSSOP DRIVE, RANCHO CUCAMONGA, CA. 91730  
WWW.TRINITYRACING.COM • 909.373.1337 • INF@TRINITYRACING.COM