

### READ ALL INSTRUCTIONS BEFORE BEGINNING INSTALLATION

#### NOTICE:

Fuelpak is intended for racing or off-highway use only, and is not legal for sale or use in California on pollution-controlled vehicles.

#### TOOLS NEEDED

- #2 Phillips Screwdriver
- 2mm Allen Wrench
- 10 & 12mm Socket Wrench
- Pliers
- Less than 1 hour



**Yamaha Road Star Warrior  
Fuel Injected Models**

**INSTALLATION INSTRUCTIONS FOR P/N 65005**

**INTRODUCTION:** Congratulations on your purchase of the Fuelpak Fuel Management System for fuel injected Yamaha Road Star Warrior motorcycle. Please take the time to read the entire instruction manual before attempting to install. **DO NOT** adjust the Fuelpak until you have thoroughly read the instruction manual and the unit is fully installed. If you have questions, please call (562) 921-0071.

**SUMMARY:** To achieve the optimum performance from your application, it is recommended that you install a high performance air filter in conjunction with this unit. The Fuelpak will be installed in-line the factory injector wiring harness and the throttle position sensor. The Fuelpak will be tucked under the seat next to the tool tray.

**PLEASE NOTE: FUELPAK USE REQUIRES A HIGH PERFORMANCE AIR FILTER.**

# FUEL INJECTION MANAGEMENT SYSTEM

## INSTALLATION INSTRUCTIONS

1. Remove seat and fuel tank.
2. Remove airbox and left airbox cover. We highly recommend you consult the factory service manual for proper removal of airbox.
3. Route wiring harness under frame bracket towards airbox. (Fig 1)
4. Unplug stock black connector for fuel injectors. (Fig 2)
5. Plug Fuelpak 4-pin connectors in-line with the connectors from step 4.
6. Unplug the TPS connector and attach T-tap connector to the center wire (yellow). (Fig 3)
7. Route the Fuelpak violet wire to T-tap. (Fig 4)
8. Reattach the TPS connector.
9. Route black wire to the front of engine and down to the horn. (Fig 5)
10. Disconnect the factory black/white wire from horn. Plug Fuelpak into horn and plug Fuelpak black/white wire to Fuelpak connector.
11. Route black and green wires to battery negative.
12. Attach Fuelpak to Fuelpak harness and mount under seat as shown. (Fig 6)
13. Before reassembling the bike, make sure handlebar switch is in the engine-not-running position and turn the key on. Fuelpak should light up. Sound the horn. If Fuelpak turns off when the horn is sounded, recheck the black wire connection on the horn and that it is connected to the correct wire from the factory harness.
14. Follow the service manual to reinstall the airbox and gas tank.



**1**



**2**



**3**



**4**

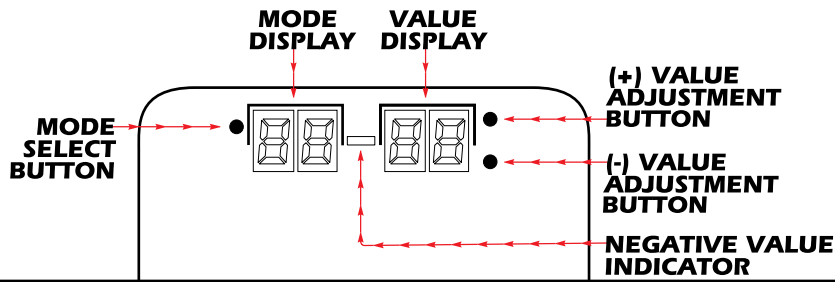


**5**



**6**

## HOW IT WORKS



## ENTERING VALUES

1. Remove Fuelpak clear case cover by removing all four screws, **save hardware**.
2. Turn on **main** power with key, but do not start engine. Fuelpak display should light up, if not, turn power off and verify the connectors are fully seated.
3. Refer to Fuelpak Setting Reference to locate the Setting Values specific to your bike and exhaust system. If you do not find your setting, visit [fuelpakfi.com](http://fuelpakfi.com) or call tech support at (562) 921-0071.
4. Starting with mode 1 selected, press the value (+) or the value (-) buttons to input the correct value as indicated in your Setting Value. After entering your first value, press the mode select button to move to mode 2 and enter the value. Continue until you have entered the value for each of the first 18 mode positions. Each time the value (+) is pressed, the value increases by one number. Each time the value (-) is pressed, the value decreases by one number. (Please refer to the "How It Works" section directly above if you have questions about this step.)
5. **As the next procedure, after you have entered in your values for the first 18 modes, press the mode select button to move to mode 19. Fully twist open the throttle and return to idle position to calibrate the Fuelpak to your bike.**
6. By pressing the mode select button twice, move to mode 21 and verify that it reads "0" with the throttle closed, "50" at approximately half-throttle and "99" when fully opened; if not, repeat step 5. Do not proceed to step 7 until mode 21 is verified.
7. Enter any other mode values as required for your application.
8. Turn off power.
9. Reinstall clear cover, tuck Fuelpak under seat area and reinstall seat.
10. You are now ready to ride.

## IN THE EVENT OF A MALFUNCTION, PLEASE CHECK THE FOLLOWING

## TECH SUPPORT

1. Turn off main switch then verify all connectors are fully seated.
2. Be sure setting values are correct for your application.
3. Verify throttle calibration, step 5 in Entering Values.
4. Check harness for cuts, scrapes or abrasions.
5. Make sure the battery is fully charged and the charging system is operating correctly.
6. Call technical support at (562) 921-0071

## WARRANTY INFORMATION

**WARRANTY:** Your Fuelpak unit is warranted against defects in materials and workmanship for the period of 90 days from the original retail purchase. In the event of an alleged defect in material or workmanship, Fuelpak's responsibility is strictly limited to repair or replace the defective product. Fuelpak shall not be responsible for (a) labor, transportation, or other incidental charges; (b) consequential or other damages incurred by use of any product. Fuelpak offers no other warranty beyond this limited warranty. This limited warranty does not apply to products which have been (a) modified or altered in any way; (b) subjected to adverse conditions, such as misuse, neglect, accident, improper installation

or adjustment, contaminants, corrosion, or faulty repair; or (c) used in applications other than those recommended by Fuelpak. To initiate a warranty process, the consumer must first call technical support to receive a return authorization number. The product must be returned to Fuelpak complete with a dated receipt and a return authorization number.

Fuelpak  
 Attn: Warranty Claims  
 13861 Rosecrans Avenue  
 Santa Fe Springs, CA 90670  
 (562) 921-0071