

READ ALL INSTRUCTIONS BEFORE BEGINNING INSTALLATION

NOTICE:

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

TOOLS NEEDED

- #1 Phillips Screwdriver
- 5 mm Allen Wrench
- 10 mm Socket Wrench
- Less than 1 hour



**Yamaha Raider
Fuel Injected Models**

INSTALLATION INSTRUCTIONS FOR P/N 65007

INTRODUCTION: Congratulations on your purchase of the Fuelpak Fuel Management System for fuel injected Yamaha Roadliner / Stratoliner motorcycles. 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.

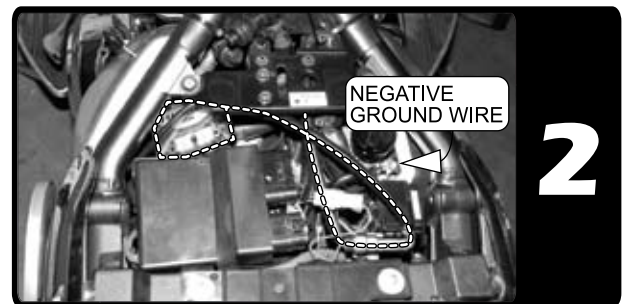
SUMMARY: To achieve the optimum performance from your application, it is recommended that you install a high performance air filter in conjunction with this unit. The Fuelpak will be installed in-line the factory injector wiring harness and the throttle position sensor. The Fuelpak will be tucked under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

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

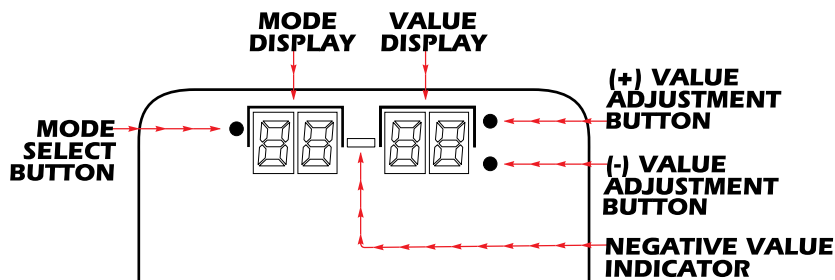
FUEL INJECTION MANAGEMENT SYSTEM

INSTALLATION INSTRUCTIONS

1. Be sure the main switch is in the off position during the installation process. Failure to do this will cause the "check engine" light to be set.
2. Remove seat exposing the Electronic Control Unit (ECU) and battery.
3. Remove the right side coil cover by removing two allen screws and gently pulling.
4. Disconnect the 6 pin factory connector behind the ignition coils. (Fig 1)
5. Connect Fuelpak 6 pin connectors in-line with factory connectors.
6. Disconnect 3 pin factory connectors behind the ignition coils and connect Fuelpak 3 pin connectors in-line with factory connectors.
7. Route Fuelpak harness up to battery area and reinstall coil side cover.
8. Connect Fuelpak black wire to negative ground wire. (Fig 2)
9. Locate factory 2 pin connector with brown and black wires. Disconnect empty connector and attach Fuelpak red wire connector.
10. Connect Fuelpak 10 pin connector to Fuelpak harness.
11. You are now ready to set-up your Fuelpak.



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 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 and handlebar switches 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