

READ ALL INSTRUCTIONS BEFORE BEGINNING INSTALLATION

NOTICE:

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

TOOLS NEEDED

- 10 mm Socket or T-handle
- 4 mm Allen Key
- Less than 2 hours



Yamaha Raptor YMF700
Fuel Injected Models

INSTALLATION INSTRUCTIONS FOR P/N 74-802

INTRODUCTION: Congratulations on your purchase of the Fuelpak Fuel Management System for fuel injected Yamaha Raptor YMF700 ATV models. Please take the time to read the entire instruction manual before attempting to install. DO NOT adjust Fuelpak until you have thoroughly read the instruction manual and the unit is fully installed. If you have questions, please call Fuelpak technical support at (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. Fuelpak will be installed in-line with the factory injector wiring harness and the throttle position sensor. The unit will be mounted under the seat next to the tool compartment.

FUEL INJECTION MANAGEMENT SYSTEM

INSTALLATION INSTRUCTIONS

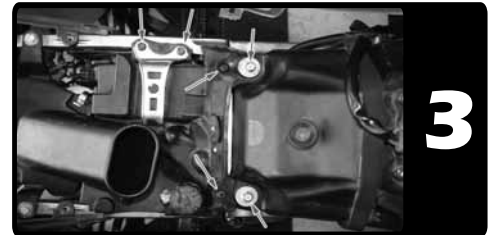
1. Be sure that key is in the off position then remove seat.
2. Referring to figures 1 and 2, remove (2) 4mm allen head bolts holding radiator cover to fuel tank cover, (2) push pins holding fuel tank cover to tank shrouds, (2) 10mm bolts holding tank shrouds to subframe, and (4) 10mm bolts holding airbox to subframe.
3. Remove fuel cap and tank cover. Reinstall fuel cap.
4. Referring to figure 3, remove (2) 10mm bolts at rear of fuel tank holding tank to frame, (2) push pins holding rubber splash guard, and (2) 10mm bolts on battery clamp.
5. Clean Fuelpak mounting location with alcohol and allow to dry. Referring to figure 4, mount Fuelpak in tool compartment using supplied Velcro, then route harness along subframe by gently pulling up on the airbox and sliding Fuelpak harness between airbox brackets and subframe. Attach Fuelpak harness to stock wiring harness with supplied zip ties.
6. Referring to figure 4 (splash guard transparent for clarity), remove battery clamp and pull back on splash guard. First remove (1) 10mm bolt on battery negative terminal, then remove (1) 10mm bolt on battery positive terminal. Route Fuelpak harness against left side of battery and underneath battery positive wire and battery clamp. Reinstall battery positive terminal. Add Fuelpak ground terminal to battery negative terminal and reinstall.
7. Gently pull up on back of fuel tank. For easier access, prop up tank or have an assistant hold it.
8. Remove stock gray injector plug and connect to black Fuelpak plug, connect gray Fuelpak plug to injector as shown in figure 5a. Ensure that a "click" is felt or heard.
9. Route purple wire under fuel rail and to the right of the throttle body as shown in figure 5a.
10. Pull rubber boot back from TPS plug and remove plug from throttle body.
11. Install T-tap to yellow TPS wire as shown in figure 5b. Route purple wire through back of boot and plug purple wire into T-tap (use dielectric grease). Slide TPS plug boot over T-tap and reinstall TPS plug.
12. Reinstallation is reverse of removal.
13. Ensure that Fuelpak harness is not pinched, routed against any sharp corners, or touching exhaust.



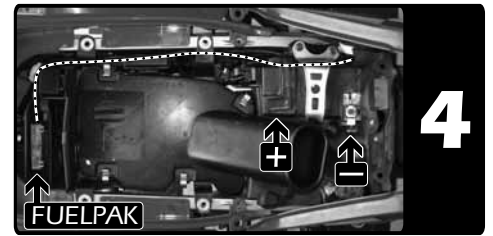
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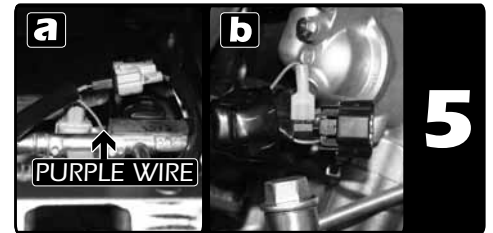
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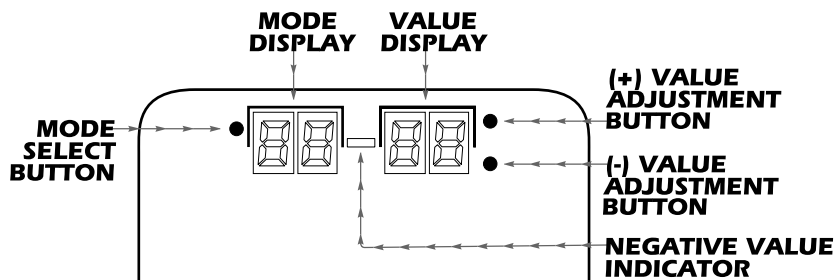


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HOW IT WORKS



ENTERING VALUES

1. Remove Fuelpak clear case cover by removing all four screws, **save hardware**.
2. Refer to Fuelpak Setting Reference to locate the Setting Values specific to your configuration. If you do not find your setting, visit fuelpakfi.com or call tech support at (562) 921-0071.
3. With run/kill switch in "run" position, 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.
4. Press thumb throttle to the full throttle position and release before Fuelpak turns off.
5. Start engine. By pressing the mode select button twice, move to mode 21 and verify that it reads between "0" and "10" with the throttle closed and increases gradually as you press on the throttle. If not, turn off engine and go back to step 2. Do not proceed to step 6 until mode 21 is verified.
6. Press mode select button to get to mode 1. 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.
7. Press mode button 5-times to move to mode 23. Enter any other mode values as required for your application.
8. Turn off power.
9. Reinstall clear case cover and mount as described
10. Reinstall seat.
11. 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