

## 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

- #3 Straight Blade Screwdriver
- #1 Phillips Screwdriver
- 3/8" Socket
- 3/16" Allen Wrench
- Less than 1 hour



Harley-Davidson® Softail  
Delphi® Fuel Injected Models

INSTALLATION INSTRUCTIONS FOR P/N 61001

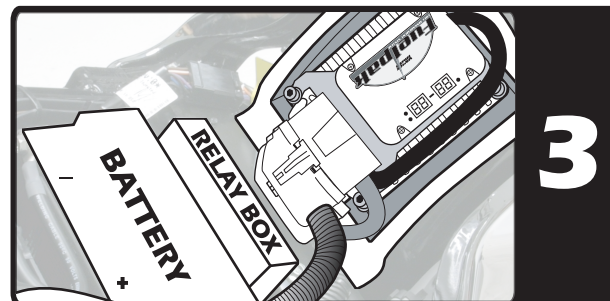
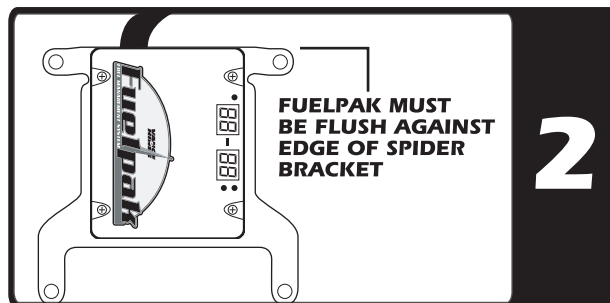
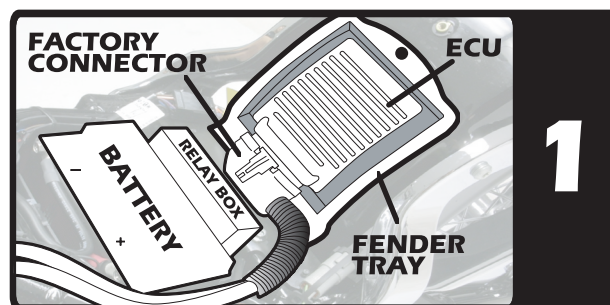
**INTRODUCTION:** Congratulations on your purchase of the Fuelpak Fuel Management System for fuel injected Harley-Davidson® motorcycles. Please take the time to read the entire instruction manual before attempting to install. DO NOT adjust the Fuelpak until you have thoroughly read the instruction manual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

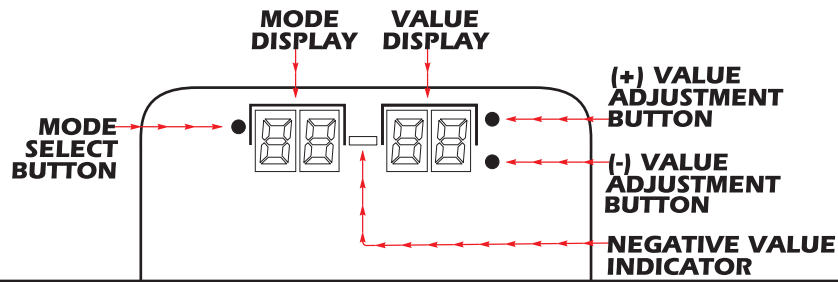
**SUMMARY:** To achieve the optimum performance from your application, it is recommended that you install a high performance air filter in conjunction with this unit. The Fuelpak will be installed between the factory wiring harness and the Electronic Control Unit (ECU). The Fuelpak will be mounted on top of the ECU by utilizing the black "spider" bracket supplied. To make room under the seat, the factory ECU mounting tray is replaced by a new Fuelpak mounting tray.

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

### INSTALLATION INSTRUCTIONS

1. Be sure the main and handlebar switches are in the off position during the installation process. Failure to do this will cause the "check engine" light to be set.
2. Remove seat by removing the one rear bolt and two side bolts, exposing the Electronic Control Unit (ECU) on rear fender. (Fig 1)
3. Remove all four (4) allen head screws securing the ECU to the fender tray, **save hardware**.
4. Disconnect the factory connector from the ECU by pressing the latch lever and pulling. Often, this connector can be very secure. Set ECU aside in a safe location.
5. Remove the stock fender tray by removing the rear plastic button and 2 front bolts, **save hardware**.
6. Install new fender tray using hardware from step 5.
7. Mount Fuelpak to spider bracket using the four supplied screws. Spider bracket legs should point down. A dab of anti-seize on each of the four screws will greatly aid insertion. (Fig 2)
8. The Fuelpak has two connectors; one black and one grey. Connect the Fuelpak black connector to the factory harness. Connect the Fuelpak grey connector to the factory ECU. Be sure both grey connectors are fully seated and latched.
9. Mount ECU and Fuelpak/Spider assembly to the new fender tray using the original four allen head screws, **do not over tighten**.
10. Arrange connectors to rest flat between the Fuelpak and relay box. (Fig 3)





## ENTERING VALUES

1. Remove Fuelpak clear case cover by removing all four screws, **save hardware**.
2. Turn on **main** power and **handlebar** switches, 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 Map Lookup from [www.fuelpakfi.com](http://www.fuelpakfi.com) to locate the Setting Values specific to your bike and exhaust system. If you do not find your setting reference online 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 power off, wait one second then turn power back on. Verify all modes then turn power off.
9. Reinstall clear cover.
10. Reinstall seat. Be sure front tab on seat slides into clip on frame. Tighten all three bolts.
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  
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