

# 2012 SOFTAIL

## 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

- Flathead Screwdriver
- Less than 1 hour



2012 Harley-Davidson®  
Delphi® Fuel Injected Softail Models

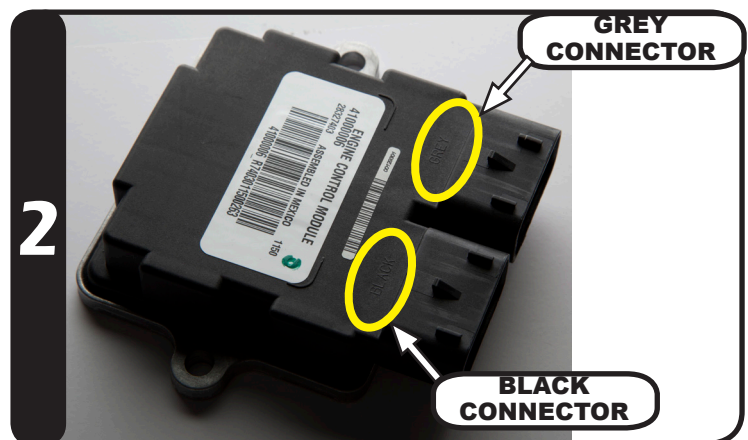
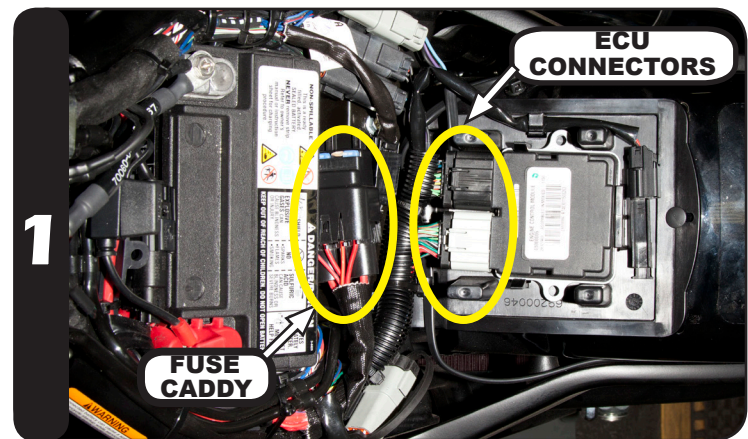
INSTALLATION INSTRUCTIONS FOR P/N 61017

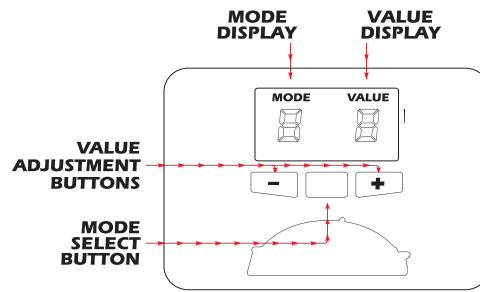
**INTRODUCTION:** Congratulations on your purchase of the Fuelpak Fuel Management System for fuel injected Harley-Davidson® motorcycles. Please take the time to read the entire instruction manual before attempting to install. DO NOT adjust the Fuelpak until you have thoroughly read the instruction manual 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).

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

1. Be sure the handlebar and main switch are in the off position during the installation process. Failure to do so will cause the "Check Engine" light to be set.
2. Remove seat. Slide the main fuse caddy towards the left side of the bike and remove from tab. Fuse caddy will be relocated.
3. Slide Data Port Plug rearward and remove from tab. Plug will be relocated.
4. Locate and disconnect the black and grey 18-pin connectors from the ECU. **FIG 1**
5. When looking at the ECU with connectors towards the ground, connect the Fuelpak Black connector to the left side of the ECU. Connect Fuelpak Grey connector to the right side of the ECU. NOTE: Do NOT force the connector on to ECU. If the connector does not slide smoothly on to the ECU verify the correct connector is being installed in the correct location. The ECU is labeled Black and Grey. **FIG 2**
6. Connect OEM Black and Grey connector to the Fuelpak Black and Grey connectors.
7. Arrange connectors, main fuse caddy, and data port plug with the Fuelpak on top of the battery as shown in **FIG 3**.
8. You are now ready to setup your Fuelpak.





## ENTERING VALUES

1. Remove Fuelpak snap cover by sliding tabs over the unit.
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 Setting Reference chart 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 49 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 49 modes, press the mode select button to move to mode 50. Fully twist open the throttle and return to idle position to calibrate the Fuelpak to your bike.**
6. Move to mode 52 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 52 is verified.
7. Turn power off, wait one second then turn power back on. Verify all modes then turn power off.
8. Reinstall snap cover.
9. Reinstall seat. NOTE: Seat has rubber bumper on bottom, check clearance between Fuelpak and rubber bumper during seat installation.
10. You are now ready to ride.

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

### TECH SUPPORT

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|---|---|
| 1. Turn off main and handlebar switches then verify all connectors are fully seated.        | 4. Check harness for cuts, scrapes or abrasions.  |
| 2. Be sure setting values are correct for your application.                                 | 5. Make sure the battery is fully charged and the charging system is operating correctly. |
| 3. With the engine running, verify the value in mode 52 changes when you twist the throttle | 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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