

Items Supplied >

- 1 – Powrpro Black Fuel Injection Module
- 2 – Zip Ties 6"
- 1 – Zip Tie 8"
- 1 – Velcro Strip

Application(s) >

HARLEY V-ROD VRSCA/B/R 2008 - 2011

Instruction Manual >

92-1613B

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Read all instructions carefully and completely before installing your new POWRPRO module. It is recommended that a qualified mechanic or technician install this product.

1. Flip up seat, to gain access to radiator reservoir area.
2. Remove Dzus fastener to remove simulated fuel tank cover, over airbox housing. Depending on which model V-Rod is being worked on, the front shrouds covering the upper front frame section may also need to be removed.
3. Place Fi2000 in under-seat area, run fuel injector connector harness up right side frame rail between top right frame rail, and radiator overflow tank, see Figure 1. At the rear of the airbox, route the harness below the airbox, and downward next to the inner radiator hose. Unplug both stock fuel injector connectors, on the front and rear injectors between the engine cylinders, see Figure 2. These are disconnected, by depressing the metal springs that are on the end of each female connector. The stock female connectors are marked "F" and "R", noting which connector goes to the front and rear injector, be sure to pay attention to this. Now connect the longer male Fi2000 connector to the front female H.D. connector. Plug shorter Fi2000 male connector into the stock rear female H.D. connector. Then plug the longer female Fi2000 connector onto the front stock H.D. injector. Plug the shorter Fi2000 female connector onto the rear injector. Each injector connector pair should rest underneath each respective injector.
4. Locate the rear oxygen sensor connector and follow the harness up to the under-seat area behind the radiator overflow tank. Pull the stock connectors up from below the overflow tank and disconnect, see Figure 1. The shorter Fi2000 Oxygen sensor harness with male and female connectors will plug into each of these stock male and female connectors. Tuck the connectors back underneath the bracket behind the radiator overflow tank.
5. Route the front oxygen sensor harness along the right upper frame rail as was previously done with the fuel injector connector harness. Continue routing the harness forward along the frame rail past the radiator overflow tank, and up past the airbox. Route the harness in front of the airbox, and over the top of the airbox intake snorkel, behind the headstay. Remove the left front frame/tank cover to gain access to the electrical connections above the front cylinderhead; removal of this cover may vary depending on which model V-Rod is having the module installed on it. Route the front Fi2000 O₂ sensor harness from the headstay area, down towards, the left front frame rail, and continue routing the harness along the inside of the frame rail towards the radiator and left footpeg mounting boss. Now locate the front oxygen sensor on the front headpipe, and trace the oxygen sensor harness back to the connectors tucked between the left front frame rail and plastic radiator shroud, see Figure 3.

Continued to next page!

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5. Continued: Pull these connectors out, and disconnect them. Plug the corresponding Fi2000 connectors into each of the stock male and female connectors, and tuck the connectors back in between the frame rail and plastic shroud. Zip tie harness to left front frame rail to secure harness, see Figure 4, and reinstall the frame tank cover previously removed.
6. Route ground wire from Fi2000 module along fuel injector harness to left rear side of rear cylinder head, remove bolt from valve cover, and place through wire eyelet and reinstall bolt, being sure to torque to factory specifications.
7. Remove the backing from the Velcro and attach the Fi2000 to the frame cross member as shown in Figure 1.
8. Ziptie the Fi2000 Fuel injector and Oxygen sensor harness to the existing harness along the upper right frame rail and radiator overflow tank.
9. Verify that the module has power and connections have been made correctly; watch the clear window on the FI housing and turn "ON" the key ignition and set the handlebar run switch to "ON", confirm that the Red LED turns on. On some models the Red light will turn off after 4-5 seconds as the fuel pump cycles off, which is OK. If you do not see a Red light, it may be necessary to wait for the alarm to reset (if applicable) and try again. Also confirm the side stand is up, bike is in neutral, and clutch is in. Start the bike and confirm the LED remains on solid Red. **NOTE:** Make sure ignition is turned off before attempting to change any Fi2000 harness connections if no Red light is seen. For access to the Blue Tooth Tuning App on the module, please download the Fi2000 App to your smart device, Android 4.3 & later or Apple iOS 5.0 & later operating systems. Once the app is installed, make sure the motorcycle is in neutral and start the engine, use the connect button within the app and the Blue light on the Fi module window will light up during pairing connection and remain solid Blue while paired and connected with respective Android or Apple Device. Once the app has been used and settings saved and disconnected through the app, the Blue light will turn off, and the PowrPro Black will be ready for continued service on the motorcycle.
10. Reinstall the simulated fuel tank cover and tighten Dzus fastener. Lower the seat and be sure all hardware is tightened to factory specifications.

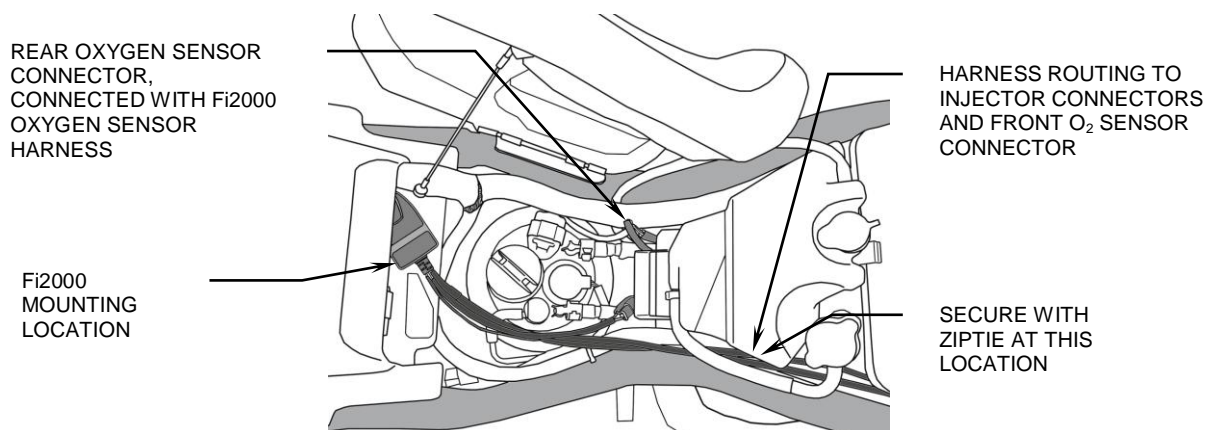


FIGURE 1

LONGER Fi2000 FEMALE CONNECTOR ON FRONT CYLINDER INJECTOR

NOTE: REAR INJECTOR AND Fi2000 CONNECTION NOT VISIBLE

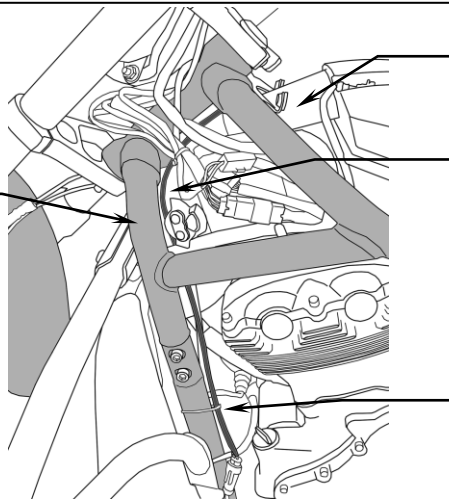
REAR FEMALE INJECTOR CONNECTOR WITH SHORTER MALE Fi2000 CONNECTORS



FRONT FEMALE INJECTOR CONNECTOR WITH LONGER MALE Fi2000 CONNECTOR

FIGURE 2

LEFT FRONT FRAME RAIL



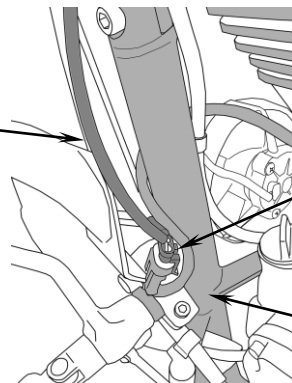
AIR INTAKE SNORKEL

FRONT Fi2000 OXYGEN SENSOR HARNESS ROUTING

SECURE HARNESS WITH 8" ZIP TIE AT THIS LOCATION

FIGURE 3

FRONT Fi2000 OXYGEN SENSOR HARNESS



Fi2000 O₂ MALE CONNECTOR WITH FEMALE O₂ CONNECTOR

LEFT FRONT FRAME RAIL

FIGURE 4

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