

Items Supplied >

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

Application(s) >

HARLEY SPORTSTER XL1200V "72"
2012 - 2013

Instruction Manual >

92-1621B

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. Remove the seat, secured by philips screw and 1/2" hex bolt from under rear fender along with left side cover, (first pull top of cover outward, then bottom of cover will rest on hinge). Remove the bolt at the rear of the fuel tank and prop the tank up as high as possible without striking the front of it on triple clamp.
2. Locate the factory connector on each fuel injector. Squeeze on both sides to pull them away from the injectors.
3. Velcro the Fi2000 module to the side of the battery so that the module housing is no higher than the top of the battery, see Figure 1.
4. Feed the Fi2000 wire harness up along the left side of the frame, resting in the plastic main harness guide so the connectors end up in the injector area. The fuel injectors can rotate on their base, rotate them towards the left side, (towards the horn), as far as they will go to allow Fi2000 connector to fit on injector. Do not force them any further then they will rotate.
5. Using the Fi2000 injector harness labeled front, mate the Fi2000 female connector onto the front fuel injection connector, (it will look a little different then the stock female Harley connector.) Plug the male Fi2000 connector into the original female Harley connector. Repeat using the other pair of connectors for the rear injector. Make sure to keep the correct orientation for the front and rear injectors and connector harnesses, see Figure 2.
6. Now install the oxygen sensor harnesses. Locate the rear O₂ connector that is directly in front of the battery on the left hand side. Remove screw securing the plastic cover and pull it forward to release the stock O₂ connectors from the snap in the panel. Pull the stock connectors apart by lifting up on the tang on the shorter connector. Plug the corresponding Fi2000 connectors from the shorter harness into the Harley connectors. Clip the Harley connector back onto its original mounting spot, along with the additional set of connectors, and four pin connector and harness coming from rear of fuel tank see Figure 1. Re-secure with stock screw.
7. Now route the longer O₂ harness up along the upper frame rail next to the injector harness from Step 4, and forward to the left front frame down tube. Locate the front O₂ sensor connectors clipped to the left front frame rail and continue the front Fi2000 O₂ harness to here, see Figure 3. Unplug the factory connection and plug the corresponding Fi2000 connectors into the matching Harley connectors. Use the factory U-clip to hold the connections to the frame down tube. Ziptie the O₂ harness along the frame rail and behind the tank with 8 inch zipties. Attach the ground wire to the ground lug on the backside of the primary chain case area.
8. 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.
9. Re-install the seat and left side cover, use supplied 6" ziptie to secure top of side cover to main frame rail.

DISCLAIMER: NOT LEGAL FOR SALE OR USE IN CALIFORNIA ON ANY POLLUTION CONTROLLED MOTOR VEHICLES. Tech Support <https://fi2000.com>

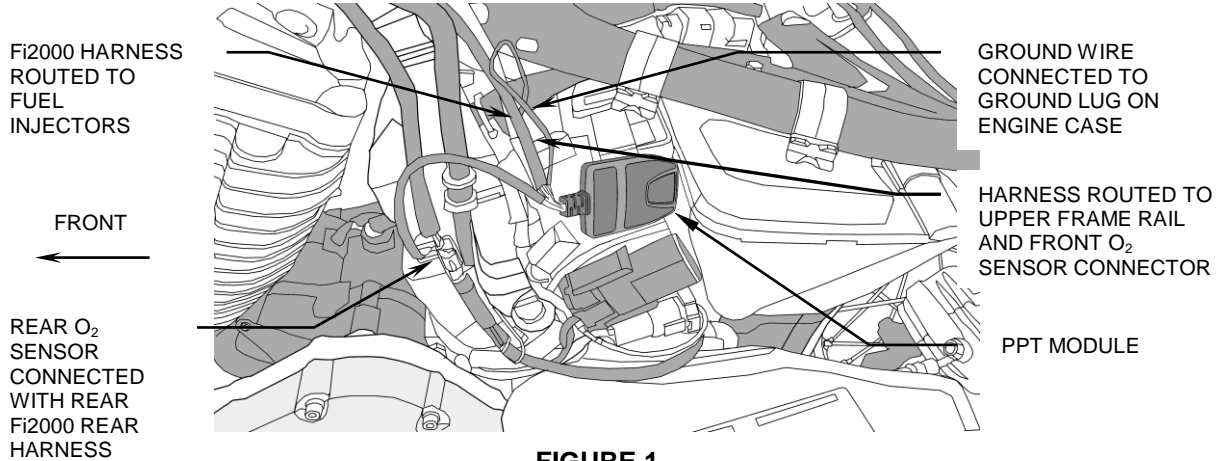


FIGURE 1

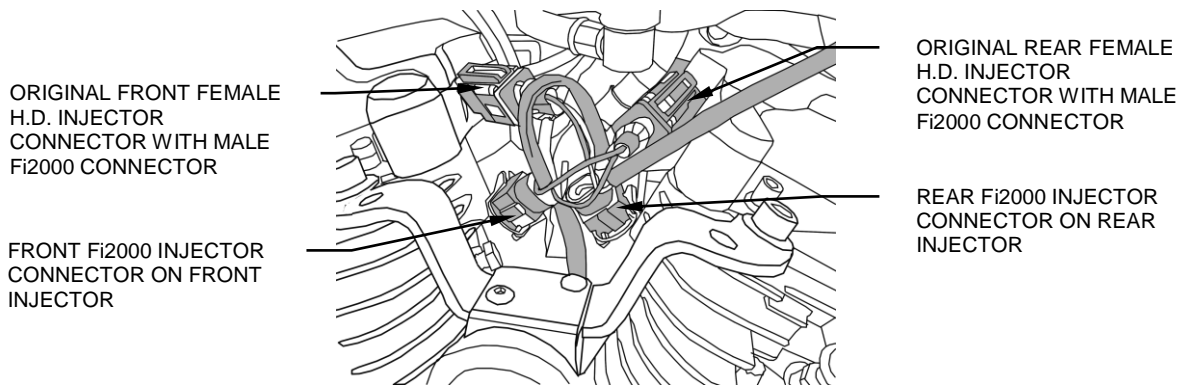


FIGURE 2

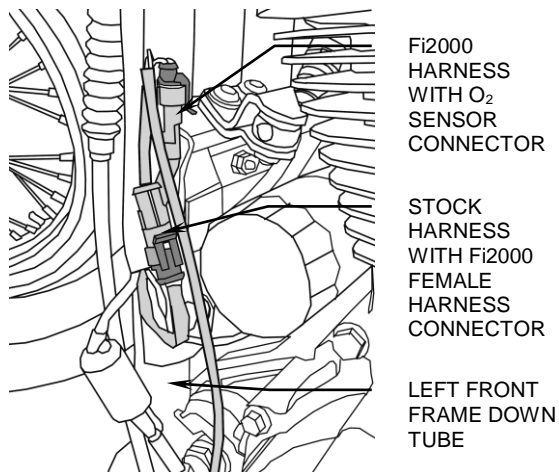


FIGURE 3