

Items Supplied >

- 1 – POWRPRO Fuel Injection Module
- 9 – Zip Ties 4"
- 2 – Zip Tie 8"
- 1 – Velcro Patch

Application(s) >

HARLEY SOFTAIL 18-23
All models: 107 / 114 Cubic Inch
FXDRS/ FXFB/ FXFBS/ FXBB/ FXBR/ FLDE/
FLFB/ FLFBS/ FLHC/ FLHCS/ FLSB/ FLSL

Instruction Manual >

92-1632B

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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.

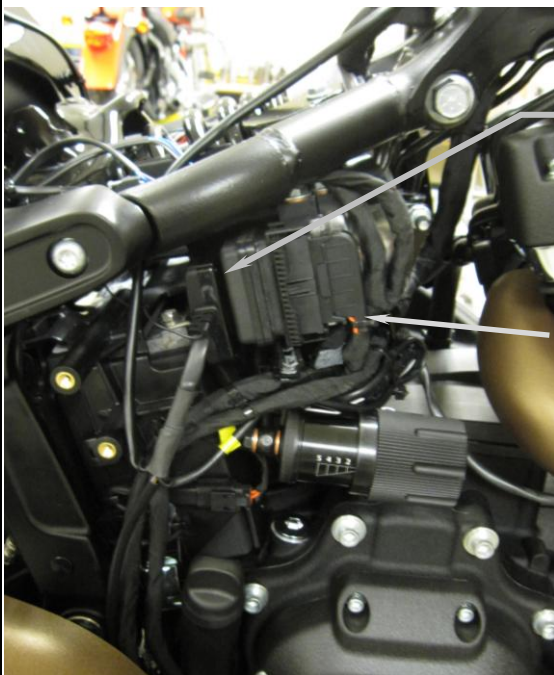
1. Remove the seat and rear fuel tank mounting bolt. Loosen front mounting bolt and prop the rear of the fuel tank up approximately 4 inches with a small block.
2. Remove right side cover over ABS control module and battery. Place Powrpro (Fi) control module between ABS control module if equipped and battery, Figure 1. If no ABS module is present place in front of battery, Figure 2.
3. Route injector connectors between the front and right side of the shock and right upper frame tube. Pull connectors through area between shock bolt and frame. Continue harness forward along right side of frame backbone and oil lines, Figure 3.
4. Locate front and rear engine fuel injector connectors. Press tab on stock female connectors and pull connectors off, be sure to note which one is front and rear, see Figure 4. Depress the clip on the connector and pull the connector free and move it out of the way. **Note:** A pair of needle nose pliers and a long flat blade screwdriver helps with this job. Attach the pair of Powrpro module's injector plugs labeled "FRONT" to the front injector, make sure it seats all the way on injector with a "click." Take the original female HD connector and insert the corresponding male Powrpro connector into it. Be sure the connectors fully seat into each other see Figure 4.
5. Repeat installing Powrpro connectors on rear HD fuel injector being sure the female connector seats on injector and mating connectors are properly mated and seated, see Figure 4.
6. Use (4) small 4" zipties to secure Powrpro harness to oil lines along right side of upper frame and near stock injector harness underneath tank, see Figure 5. Lower fuel tank back down and reinstall rear tank bolt. Secure to factory torque. Tighten front tank bolt securely also.
7. Route front oxygen sensor harness (the longest supplied harness with one pair of black connectors) down along right side of battery along existing cables and lower right frame tube. Continue routing along lower right frame tube and between clutch cable and existing wire harnesses, Figure 6. Route Powrpro oxygen sensor connectors to front oxygen sensor on front exhaust headpipe near front master cylinder.
8. Disconnect front oxygen sensor connector by depressing tab on female connector and sliding forward toward front tire. Mate the corresponding male and female stock connectors and Powrpro connectors. Be sure connectors fully seat when pressed together. Leave a little excess harness slack in Fi harness in O₂ sensor area. Ziptie Fi harness to existing harnesses along lower right frame tube starting from front to rear. Secure in (5) places along entire length traced back to battery area. See Figure 6/7 for ziptie locations.
9. Locate rear O₂ sensor adjacent to battery, Figure 8 for non-ABS bikes, Figure 9 for ABS bikes. Depress clip on O₂ sensor connector and remove. Mate corresponding Powrpro and stock HD connectors together. Be sure connectors fully seat together.

Continued to next page!

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10. Install Powrpro ground wire on negative battery post. Ziptie remaining extra harness to main harness and rear O₂ sensor connectors adjacent to battery area, use (2) 8 inch Zipties see Figure 8/9.
11. Verify that the module has power and connections have been made correctly. Watch the clear window on the Fi housing. Make sure key fob is near bike 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. This 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 Powrpro 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 with 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. Open the app and select the connect button. The Blue light on the Fi module window will light up during pairing connection and remain solid Blue while paired and connected. Once the app has been used and settings saved, select the disconnect button through the app to disconnect pairing. The Blue light will turn off, and the PowrPro Black will be ready for continued service on the motorcycle.
12. Remove the plastic backing from the supplied Velcro strip and apply to the back of the Fi housing. Remove the opposite side plastic backing on Velcro and leave Velcro pieces connected on rear of housing. Tuck the Powrpro housing down between battery and ABS module, see Figure 8 or on non-ABS models adjacent to starter and battery, see Figure 9. Be sure no wires are pinched or bound. Press housing on to desired installation location and be sure Velcro keeps it in place.
13. Reinstall right side cover, be sure bolts are secure. Install seat and attachment screws. Verify all fasteners have been tightened and all zipties have been properly trimmed.

TROUBLE SHOOTING: If you have any problems refer to Step 11 in the main body of the instructions.



FI MOUNTING LOCATION ON ABS MODELS

HARNESS ROUTING TO INJECTORS UP TOWARDS FRONT OF SHOCK

FI MOUNTING LOCATION ON NON-ABS MODELS

ABS EQUIPPED MODELS
FIGURE 1



NON ABS EQUIPPED MODELS
FIGURE 2



FIGURE 3

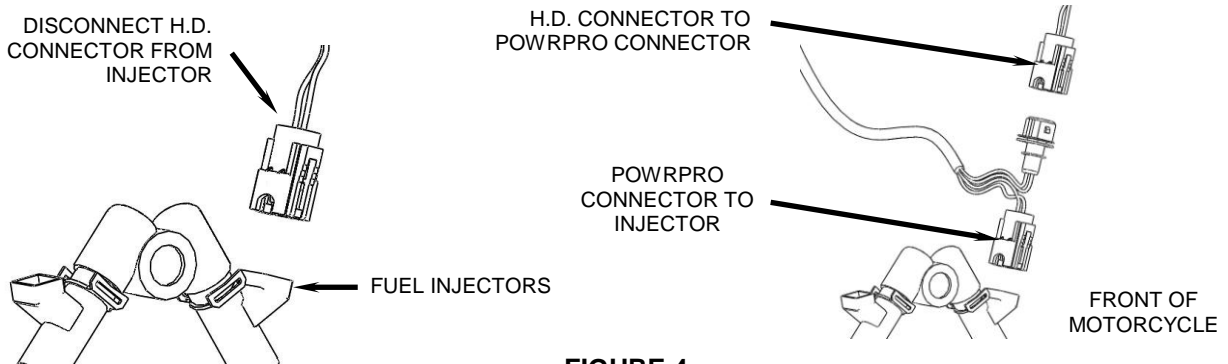


FIGURE 4

(REAR INJECTOR CONNECTORS NOT SHOWN)
(ACTUAL INJECTORS MAY VARY FROM PICTURE)



FIGURE 5



ROUTE FRONT O₂ HARNESS ALONG EXISTING WIRE HARNESS; ZIPTIE HARNESS TO EXISTING HARNESS WITH 4" ZIPTIES

FIGURE 6

ROUTE FRONT O₂ HARNESS ALONG FRAME TUBE AND ABOVE CLUTCH CABLE, SECURE TO EXISTING HARNESS WITH ZIPTIE



LOWER LEFT MOTORCYCLE FRAME TUBE

FIGURE 7



ABS EQUIPPED MODELS

FIGURE 8

STOCK REAR O₂ CONNECTORS SECURED WITH TWO 8" ZIPTIES. TRIM ZIPTIES ONCE SECURE

STOCK REAR O₂ CONNECTORS MATED WITH POWERPRO CONNECTORS



NON ABS EQUIPPED MODELS

FIGURE 9

STOCK REAR O₂ CONNECTORS SECURED WITH TWO 8" ZIPTIES. TRIM ZIPTIES ONCE SECURE

STOCK REAR O₂ CONNECTORS MATED WITH POWERPRO CONNECTORS

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