

Items Supplied >

- 1 – POWRPRO™ Fuel Injection Module
- 4 – Zip Ties 4"
- 3 – Zip Ties 6"
- 1 – Zip Tie 8"
- 1 – Velcro Strip

Application(s) >

HARLEY V-ROD 2012-2013

Instruction Manual >

692-1618AT

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

1. Lift rider seat up, to gain access to radiator reservoir area.
2. Remove simulated tank shroud by turning Dzus fastener and lifting tank cover up from rear and pulling rearward to expose air box and wire looms. Remove left front decorative frame cover to expose wire harnesses between frame rails.
3. Place Powrpro Tuner™ (PPT) 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 male PPT connector labeled "FRONT" on the black sheathing to the front female H.D. connector. Plug the other PPT male connector into the stock rear female H.D. connector. Then plug the female PPT connector labeled "FRONT" on the black wire sheath onto the front stock H.D. injector. Plug the other PPT female connector onto the rear injector. Tuck all connectors neatly under injectors. Route harness next to water pump hose and along existing harness on frame rail. Pull slack out of harness leaving a little extra near injector connectors. Secure harness to water pump hose using (1) 8 inch zip tie and along right upper frame rail towards seat, using (3) 4 inch zip ties to existing harness.
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 behind the overflow tank and disconnect, see Figure 3. The shorter PPT 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 long front oxygen sensor harness along the upper left frame rail next to existing harnesses and continue forward under connectors which were exposed under the cover removed in Step 3. Remove the buttonhead socket screw from the bottom of the left radiator shroud to allow shroud to be pulled outward, Figure 4, to expose the light gray front O₂ sensor connectors. Continue routing harness down next to vacuum line and then outward towards left radiator shroud, see Figure 5. Disengage connectors and mate corresponding male and female connectors from motorcycle to PPT, see Figure 6. Tuck the connectors back between the frame rail and shroud neatly.

*** Cobra® recommends you always wear a helmet while riding. Please never operate your motorcycle while under the influence of alcohol and/or drugs. Enjoy the new look of your motorcycle and please ride safely.**

6. Install (3) 6" zip ties to secure front O₂ sensor harness to existing wire loom along left upper frame rail. Use (1) 4" zip tie to secure harness to vacuum line. Reinstall buttonhead socket screw at bottom of left radiator shroud. Use blue medium strength thread locker to ensure screw stays tight.
7. Remove hex nut securing plastic shroud near seat cable, see Figure 1. Place ground terminal on stud and tighten nut securely.
8. Remove the backing from the Velcro and attach the Powrpro Tuner to the frame cross member as shown in Figure 1.
9. Verify the wire connections; turn on the ignition and watch the C over V logo, confirm that the LED blinks several times then turns off. If you do not see any blinking, 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, clutch is in and handle bar engine switch is set to run (where applicable). Start the bike and the C over V logo should remain solid red, which confirms the unit is fully functioning. If it flashes while the bike is running, turn off the bike and recheck that all harness connections (injectors, ground wire, and O₂ sensors when applicable) have been properly made. Re-verify by turning ignition on while watching for flashing LED, prior to starting. Start and confirm LED remains ON solid red. **NOTE:** Make sure ignition is turned off before attempting to change any PPT harness connections.
10. Reinstall left decorative frame cover removed in Step 2, and tighten screws securely.
11. Reinstall the simulated fuel tank cover and tighten Dzus fastener. Lower the seat and be sure all hardware is tightened to factory specifications.

TROUBLE SHOOTING: If you have any problems refer to Step 9 in the main body of the instructions.

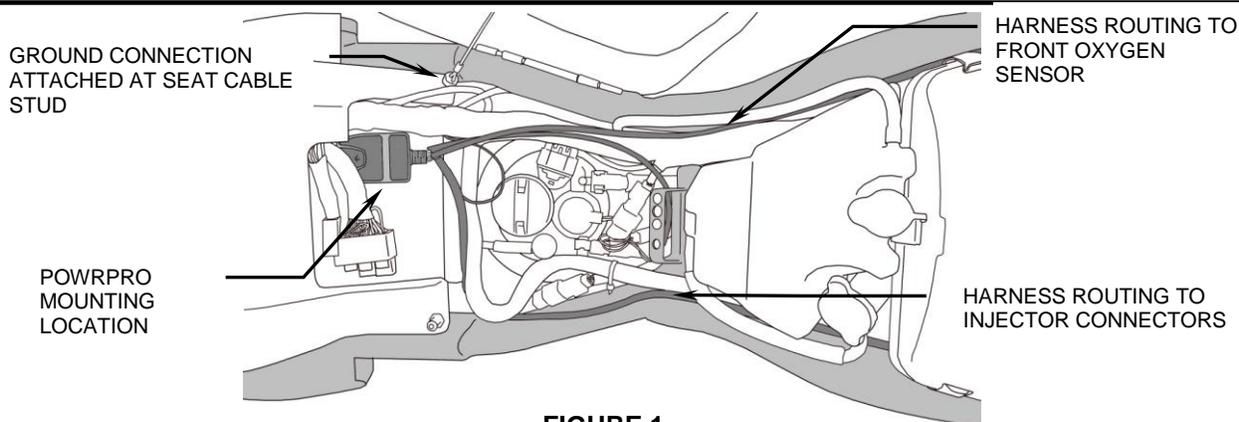


FIGURE 1

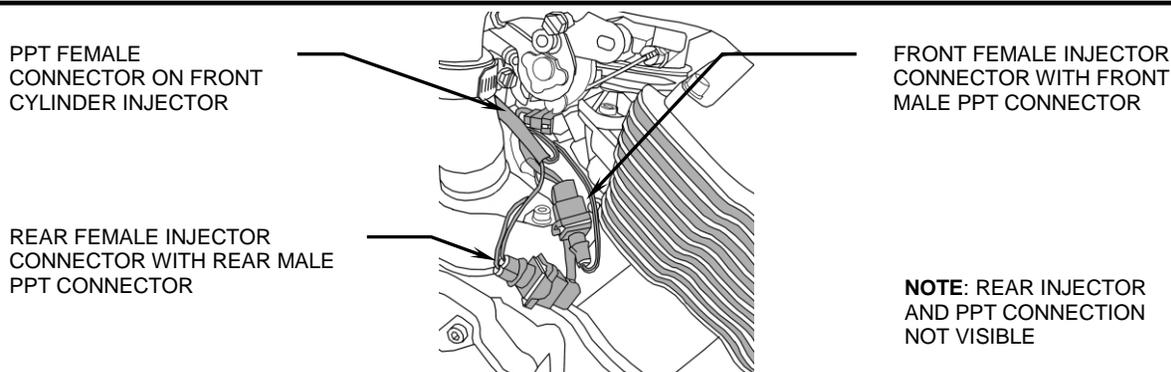


FIGURE 2

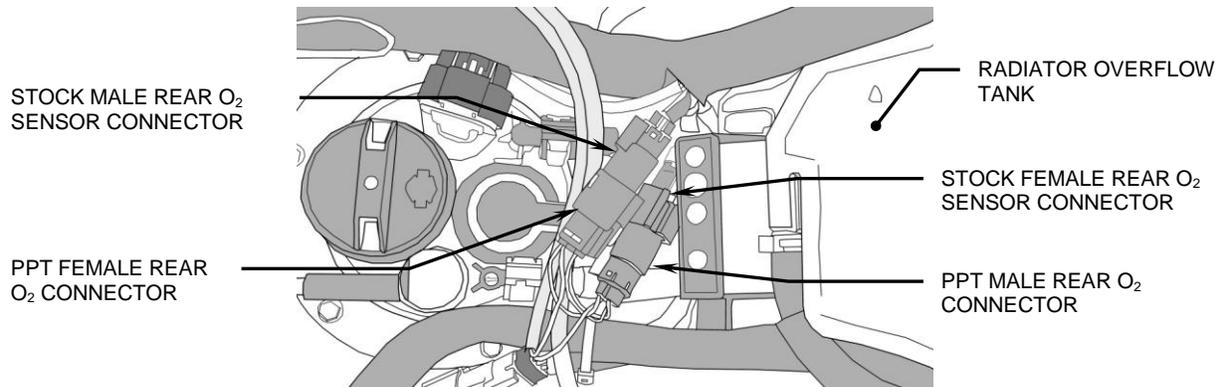


FIGURE 3

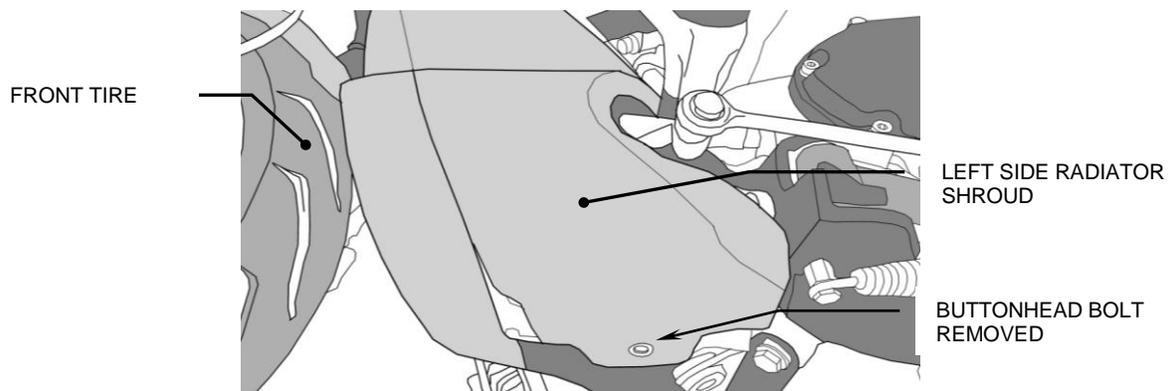


FIGURE 4

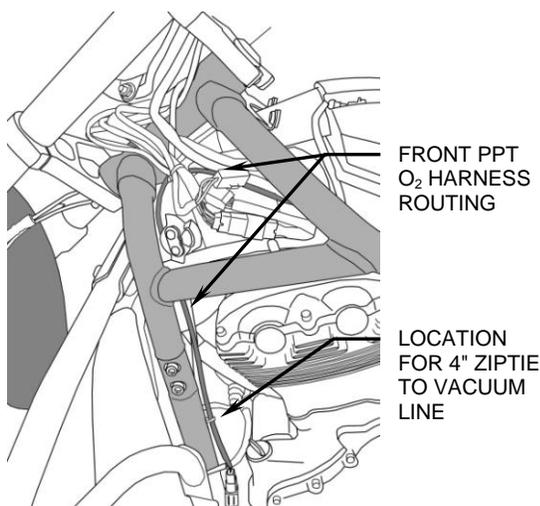


FIGURE 5

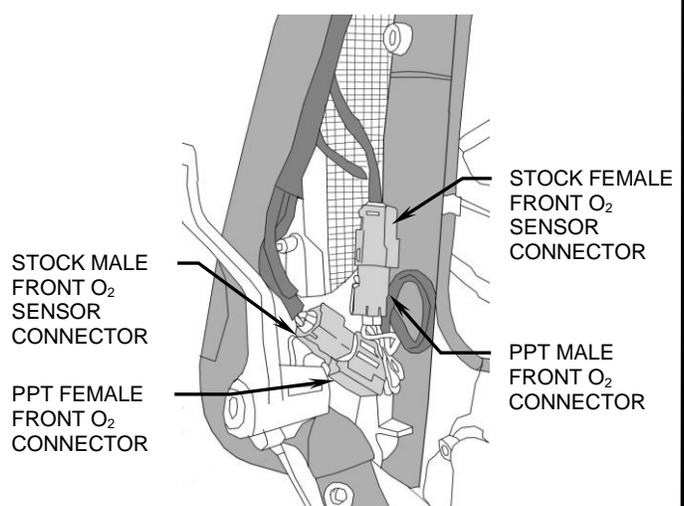


FIGURE 6