Fi2000®

23801 E. La Palma Ave., Yorba Linda, Ca 92887 Ph. 714.692.8180, Fax. 714.692.5016

Items Supplied >

- 1 Fi2000 FUEL INJECTION MODULE
- 1 6" ZIP TIE NARROW #18 TEST
- 1 VELCRO STRIP

Application(s) >

HONDA SHADOW RS 750 2010-2013

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|----|---|--|--|--|--|--|
| | Read all instructions carefully and completely before installing your new Fi2000 module. It is recommended that a qualified mechanic or technician install this product. Before installing the Fi2000 it is recommended that the gas tank be low on fuel. | | | | | |
| 1. | . Remove the M6 bolts securing the main seat and remove seat. Remove the left side cover to allow access for the Fi2000 harness routing. | | | | | |
| 2. | . Remove the bolt securing the rear of the tank and prop the tank up at the rear for extra access to fuel injectors. | | | | | |
| 3. | . Place the Fi2000 in the under seat area and route the harness forward under the front seat mount, see Figure 1. Route up the center frame tube toward injectors along the left side. | | | | | |
| 4. | . Disconnect air recirculation hose to gain access to stock fuel injectors, see Figure 2. | | | | | |
| 5. | 5. Note which stock injector connectors belong to front and rear injectors. Disconnect the stock injector connector from the front cylinder and connect the longer female Fi2000 connector to that injector – connect corresponding male Fi2000 connector to stock female connector (removed from front cylinder). See Figure 3. Note: (Angled needle nose pliers will aid in removing stock connectors.) | | | | | |
| 6. | Disconnect the stock injector connector from the rear cylinder and connect the shorter female Fi2000 connector to that injector – connect corresponding male Fi2000 connector to stock female connector (removed from rear cylinder injector), see Figure 3. Make sure all connectors are fully engaged and seated. | | | | | |
| 7. | Reconnect air recirculation hose. Pull slack out of harness and pull excess slack to rear of harness. | | | | | |
| 8. | Remove the Phillips screw attaching cover over battery. Lift cover rearward to access battery terminals. Attach the black ground cable to the NEGATIVE post of the battery. See Figure 1. Close battery box cover and install Phillips screw. Install supplied zip tie to harness in location shown. | | | | | |
| 9. | Velcro the Fi2000 box on top of the frame rail behind the battery box cover and verify your | | | | | |

9. Velcro the Fi2000 box on top of the frame rail behind the battery box cover and verify your connections. Remove the door from the Fi2000 box to expose the LED lights and pot settings. Verify the wire connections by (1) turning on the ignition while watching the 3 LEDs, confirm that all 3 LEDs light up and remain on. If you don't see lights, make sure the sidestand is up, bike is in neutral, clutch is in and handlebar engine switch is set to run. If you still have no lights, re-check that all connectors are fully engaged and the ground wire is connected correctly. (2) After achieving a steady light from all three LED's, start the motorcycle; the green light should now be the only LED on. If all three LED's are still on after start up, verify you have attached the injector connectors correctly. Reattach the access door when finished. Note: Make sure the ignition is turned off before changing any connection.

* 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.

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|--|--|--|--|---|
|). On | ction Manual > nce all connections have been w install seat and make sure all b | | ank into proper position | Ū |
| 1. Re AE Th ex Bo | sinstall left side cover. DVANCED TUNING the Fi2000 has the ability to effic haust systems. It comes pre-so th dyno testing and on-road ex ttings for drivability and power. | iently tune the EFI system et from the factory for p | tem on your motorcycle toopular brand name full | exhaust systems. |
| are gre sy: alte | ot all slip-on mufflers flow exactle e made with street baffles, othe eater variation in construction, f stem on your motorcycle to any ering the base settings supplied ep and help you achieve succes | features and performar (of these exhausts by d with your Fi2000. The | ition baffles. Full exhaus nce. The Fi2000 has the applying a logical and sy | t systems offer even ability to tune the EFI /stematic approach to |
| | ** Only attem | pt adjustments on a f | ully warmed motor ** | |
| Start with the base setting in Figure 4 if a full exhaust system is installed. If a full exhaust syst is installed in combination with a Cobra PowrFlo[™] Air Intake System the same setting will be adequate, please visit: <u>www.cobrausa.com</u> for system details. Refer to Step 2 if the stock exhaust is installed or a slip-on muffler is being used to determine the proper pot settings. Adj and test only ONE adjustment pot at a time until you are happy with the result. | | | | |
| Start with the left hand or green light pot. This adjustment works either from idle or above idle (varies with bike) to a R.P.M. of about 5000 (also varies with bike) while the bike is driven at a steady throttle or slowly increasing throttle. This is the cruise range and is where the emissions leanness creates issues like choppy on-off throttle application, surging, and backfiring on trailing throttle. | | | | |
| 3. | Turn this pot back to zero, an this range. Do this test a few t | | | e best performance ir |
| 4. The middle or yellow pot is an engine load- triggered fuel adding adjustment. A rapid increase of the throttle at any R.P.M. will add additional fuel and as long as that predetermined load is present, fuel will continue. As engine loads increase in higher gears the acceleration fuel will state on longer and be more effective. Starting with the base setting, test ride the motorcycle in 4 th or 5 th gear and perform moderately fast roll-on throttle from a repeating standard R.P.M. or speed. Increase the pot one position at a time and stop as soon as you don't feel any improvement. | | | | |
| 5. | The right hand or red pot is for and power delivery. This pot is a minimum R.P.M. and a pred straightaway on a racetrack of systems of high quality constr over our base settings. Also, create need for higher fuel se Camshaft changes or major a | is similar to the main je determined amount of or an inertia dyno are th ruction increase flow cl air filters specifically de etting. Try an additional | t in a carburetor. It will ta engine load to initiate thi ne best places to set this naracteristics and may ir esigned for higher than s one-position pot setting | ake a combination of s fuel. The pot. Full exhaust crease fuel demands tock airflow can at a time. |
| | create a greater demand on t adjust for. | | | |
| | OUBLE SHOOTING | | | |



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