

Items Supplied >

- 1 – Fi2000R Fuel Injection Module
- 1 – Zip Tie 6"
- 1 – Velcro Strip

Application(s) >

Suzuki C50 (49 State Models) 2009

Instruction Manual >

92-1827AT

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ATTENTION: THIS Fi2000 MODULE IS NOT TO BE SOLD OR USED IN THE STATE OF CALIFORNIA FOR ON HIGHWAY USE. CALIFORNIA APPLICATIONS MUST USE PART #: 92-1827-CL-50 WITH TWO O₂ SENSORS.

Read all instructions carefully and completely before installing your new Fi2000R module. It is recommended that a qualified mechanic or technician install this product.

1. Remove both seats; remove the instrument bezel. Next, be sure that the fuel tank is low on fuel. Remove the fuel tank by removing the bolts and lifting the tank enough to gain access to the 4 pin brown wire connector and dry brake fuel line. Unplug the wire connector by pressing the tab inwards. Disconnect the dry brake fuel line by depressing the two gray tabs. Remove the fuel tank.
2. Temporarily position the Fi2000 module by the battery, and route the wire harness forward into the notch in plastic cover, see Figure 1. Continue routing the harness under the frame at the rear of the fuel tank, and continue it up past the left side of the throttle body assembly.
3. Locate the MAP sensor on the left side of the air intake boot. Slide the steel sensor mount out of the intake boot to allow access to the front fuel injector, underneath the boot, see Figure 2.
4. Disconnect the stock front injector connector by pressing on the tab at the rear of the connector. On the Fi2000 harness locate the longer set of connectors. Now connect the female Fi2000 matching connector to the injector and then connect the stock female connector to the corresponding male Fi2000 connector. Reinstall the map sensor. Route the Fi2000 harness so that it is fixed in the retaining hook near the air intake boot, to keep the harness clear of the throttle linkage, see Figure 2.
5. Locate the rear injector on the throttle body housing disconnect it and mate the corresponding male connector from the rear portion of the Fi2000 harness to it, see Figure 3. Mate the Female Fi2000 connector onto the injector. When finished, make sure the wire harness does not foul any throttle cable linkage. Install the zip tie to secure the harness as shown in Figure 1. Reinstall the fuel tank by reconnecting the brown four-pin connector and dry brake fuel line to the fuel tank.
6. Connect the Fi2000 ground wire (black), to the negative post of the battery and attach the Fi2000 module to the top of the plastic panel with the supplied Velcro, see Figure 1. Before reinstalling the seats verify all connections are made properly.
7. Verify the wire connections; turn on the ignition and watch the Fi2000 LED 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 Fi2000 logo should remain solid red, which confirm 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 Fi2000 harness connections.

*** 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.**

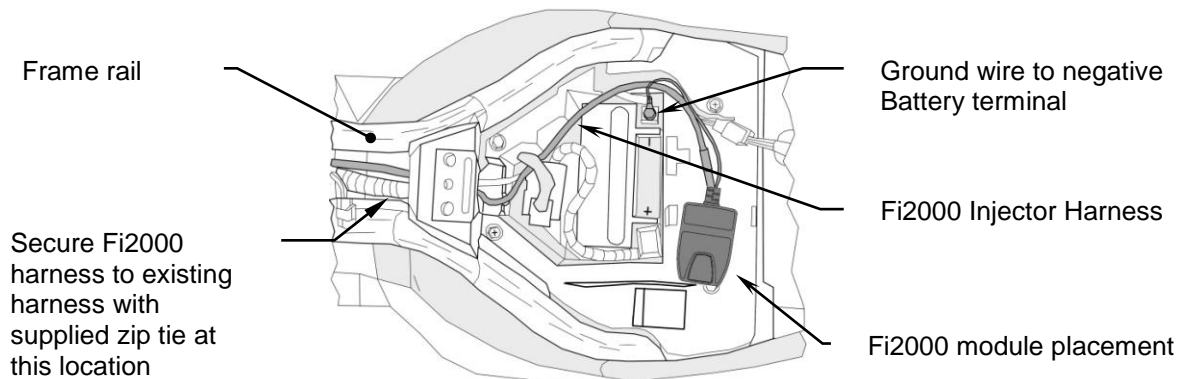


FIGURE 1

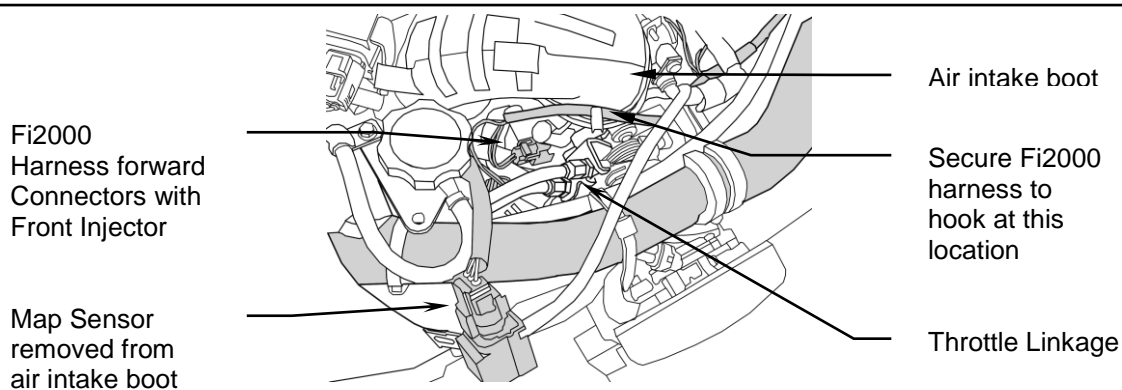


FIGURE 2

(Fuel tank removed for access to injector connector locations)

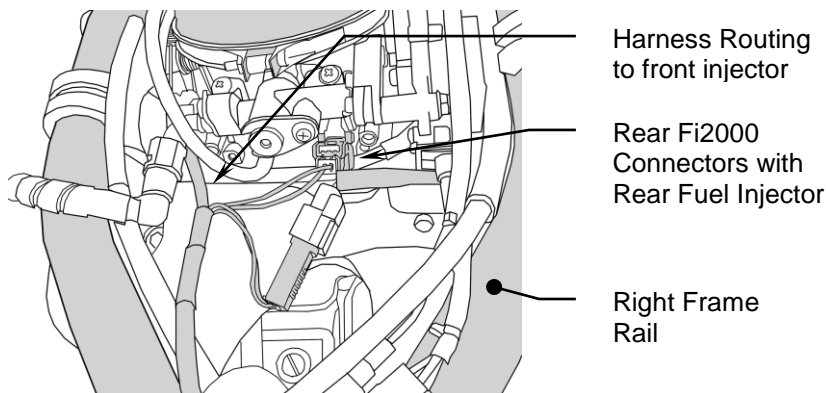


FIGURE 3

(Fuel tank removed for access to injector connector locations)