

[POWER] [COMMANDER III]

CERTIFIED **USB**

1997-2004 BMW R1100S

Installation Instructions

Parts List

- 1 Power Commander
- 1 USB Cable
- 1 CD-ROM
- 1 Installation Guide
- 1 Power Adapter
- 2 Power Commander Decals
- 2 Dynojet Decals
- 2 Velcro® Strip
- 1 Alcohol Swab
- 1 O2 Sensor
- 5 Zip ties



The ignition MUST be turned OFF before installation!

You can also download the Power Commander software and latest maps from our web site at:

www.powercommander.com

Optional
Gauge

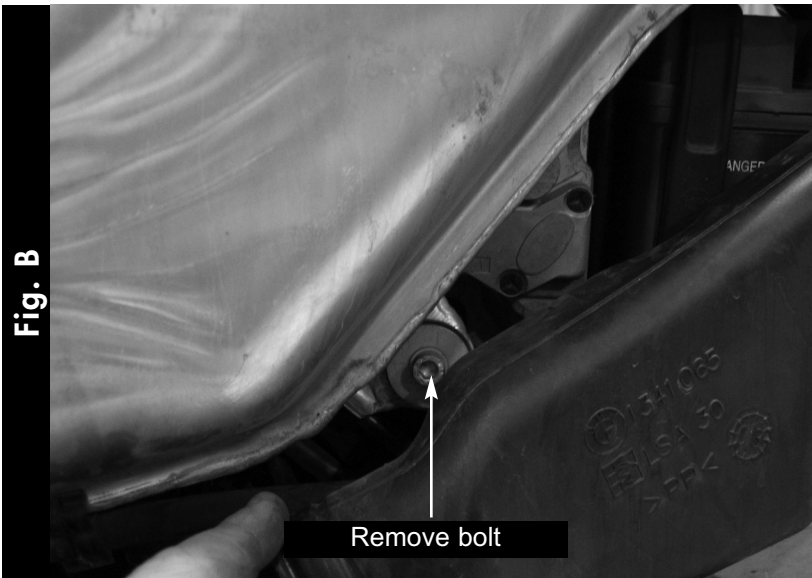
PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION

Fig. A



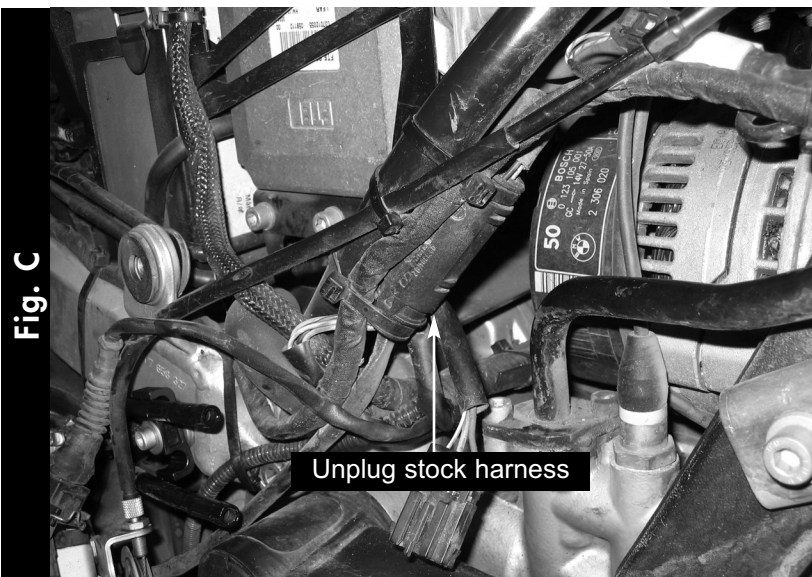
- 1 Remove the seat.
- 2 Remove the left and right hand fairing.
- 3 Remove the bolt that holds the intake snorkel to frame on the left hand side of the bike (Fig. A).

Fig. B



- 4 Remove the fuel tank by removing the two bolts on either side (Fig. B).

Fig. C



- 5 Unplug the stock O2 sensor from the wiring harness (Fig. C). Cut the lower zip tie to unplug. This connection is located on the right hand side of the bike.

Fig. D



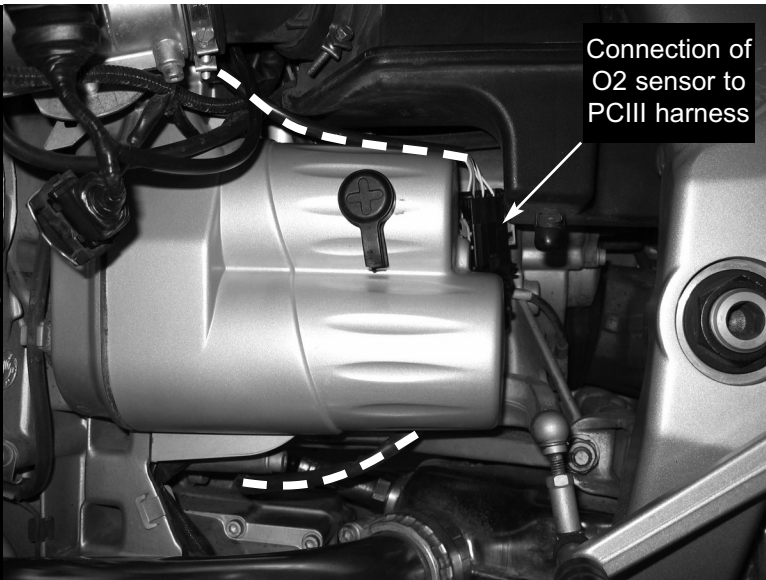
6 Remove the stock O2 sensor from the exhaust (Fig. D). The sensor is best accessed from the left hand side of the bike.

This sensor will no longer be used.

7 Install the Dynojet Wide Band Sensor into the stock exhaust. Route the harness to the left hand side of the bike.

Note: On certain exhausts it may be necessary to relieve the opening in the exhaust to adapt the Dynojet sensor.

Fig. E

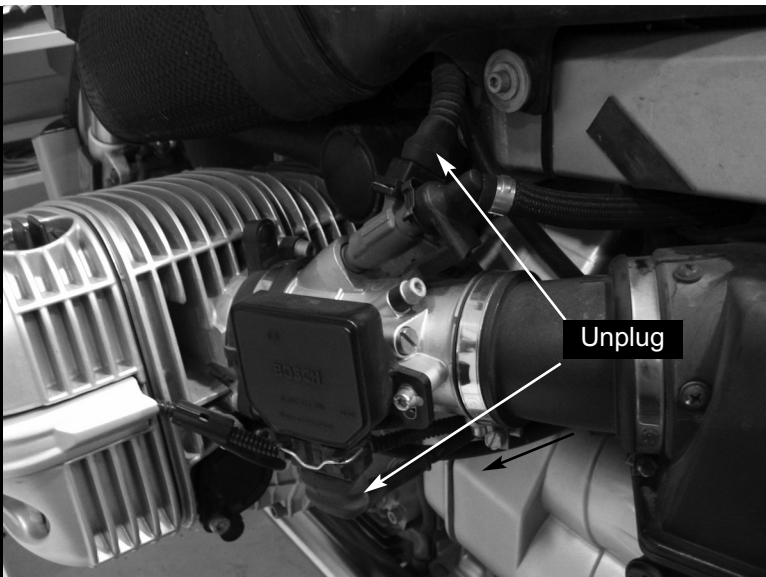


8 Lay the PCIII by the air box temporarily.

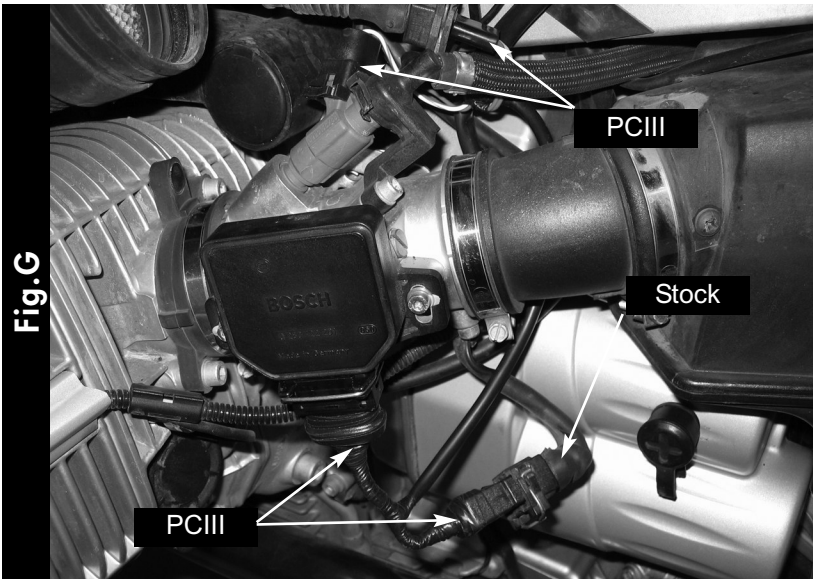
9 Route the side of the PCIII harness that has 3 sets of connectors to the left hand side of the bike.

10 Route the square 6 pin connector behind the intake tunnel and connect to the Dynojet Wide Band Sensor (Fig. E).

Fig. F

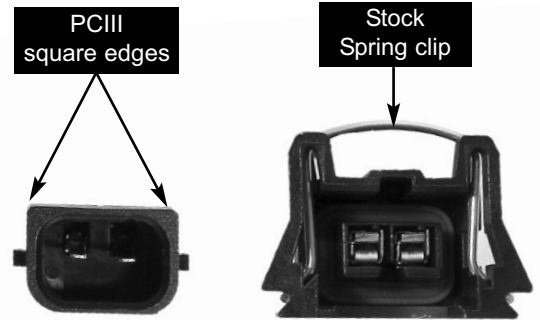


11 Unplug the stock wiring harness from the left hand injector and the Throttle Position Sensor (Fig. F).



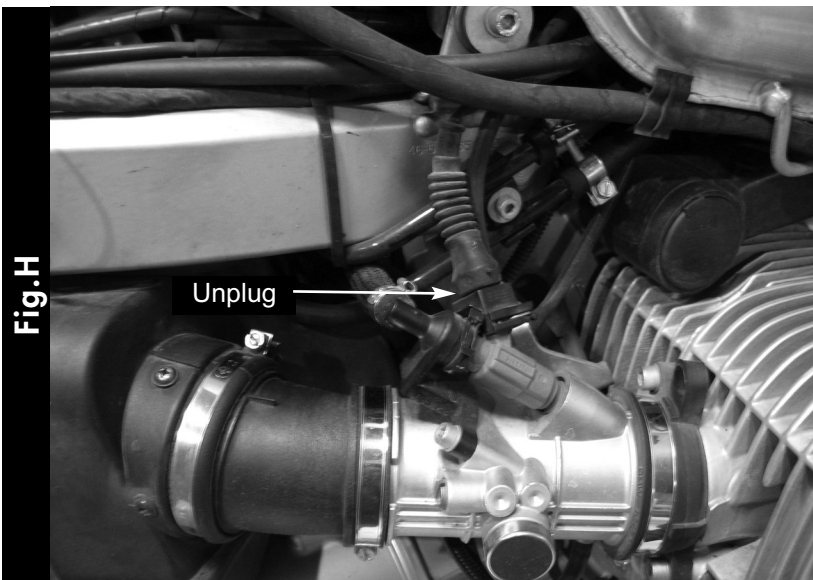
- 12 Plug the PCIII harness in-line of the throttle body and stock wiring harness (Fig.G).

Align the PCIII connector to the stock wiring harness as shown below. The square edges of the PCIII connector align with the spring clip side of the stock wiring harness



- 13 Plug the PCIII harness in-line of the TPS and stock wiring harness (Fig. G).

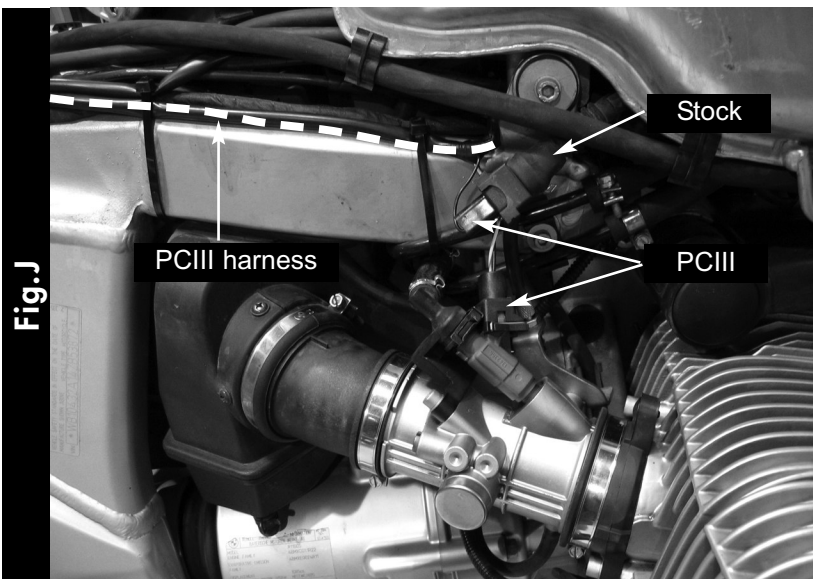
- 14 Unplug the stock wiring harness from the right hand injector (Fig.H).

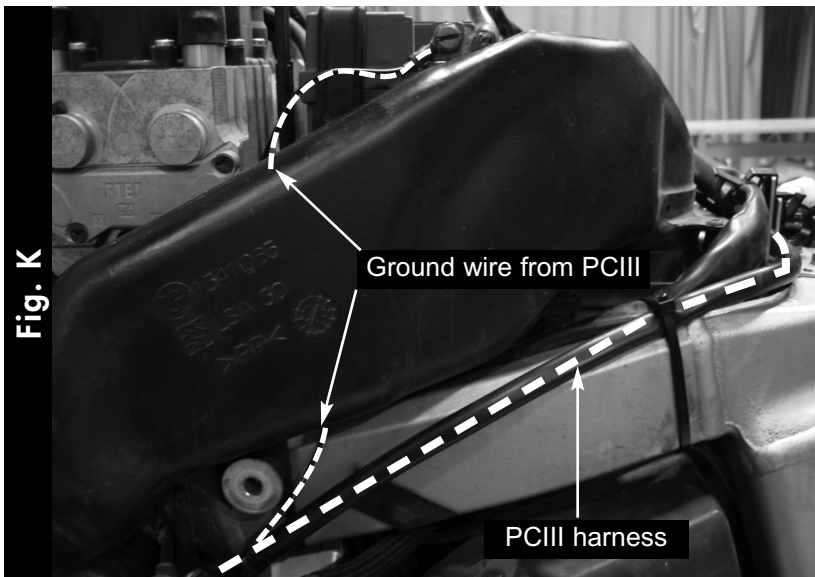


- 15 Plug the PCIII harness in-line of the stock injector and wiring harness (Fig. J).

- 16 Use the supplied zip ties to attach the PCIII harness to the frame.

- 17 Plug the round connector from the PCIII into the stock harness where you disconnected the stock O2 sensor in step 5. Zip tie the connector to the frame.





18 Attach the ground wire from the PCIII to the negative side of the battery (Fig. K).



19 Install the Power Commander to the backside of the battery (Fig. L). The supplied velcro can be used to secure the unit if necessary.

20 Use the supplied zip ties to secure the PCIII wiring harness to the frame as necessary. Make sure that the PCIII harness does not interfere with the throttle linkage.

21 Reinstall the fuel tank

Note: It is very easy for the throttle cables to be pulled out of the guides at the throttle bodies. Make sure to check that the throttle cables are seated properly before reinstalling the fuel tank.

Note: The white 4 pin connector on the PCIII harness is to hook up an optional Dynojet air/fuel gauge:

White face gauge: 76950409

Black face gauge: 76950408