



311 #1 Industrial Way - Fallbrook, CA 92028 - USA
Phone: (760) 731-1200 Fax: (760) 731-1284
E-mail: tech@baronscustom.com
Website: www.baronscustom.com

Big Air Kit Yamaha Warrior BA-2050WR

Please read **ALL** of the instructions **BEFORE** beginning this installation.

CAUTION: *We strongly recommend that a qualified Yamaha technician install this kit.*

Parts List:

(1)-Coil Relocation Plate, (2) K&N intake air filters, (2) Unifilter crankcase vent filters,
(2) 3/4" wellnuts, (2) 3/8-16 x 1" hex bolt, (2) 3/8" washers,
(13) M6 x 20mm cap-head screws, (12) M6 nyloc nuts, (1) 7/16" E-clip,
13" of 3/8" hose

Please ensure your kit contains all of these items prior to installation!

- Remove fuel tank.
- Remove left side chrome "air scoop" cover; remove right side air filter box, then remove air silencer box above throttle bodies.
- Cover open throttle bodies to protect from items falling into engine.
- Label each sensor, electrical connector, and hose for later reconnection. Sensors on right side of air silencer box are intake manifold pressure sensors for front and rear cylinders - mark these **IMP-front** and **IMP-rear**. Make sure to mark the sensor, the connector *and* the hose. The sensor on the left side is air box pressure sensor - mark it **AP**. Be sure to mark this connector also - it has no hose connected to it.
- Disconnect spark plug wires from the spark plugs.
- Disconnect wires leading to coils - mark for later reconnection.
- Remove coils from the coil bracket - mark coils **front** and **rear**.
- Disconnect wire connector from linear control valve. (LCV)
- Disconnect hose from the center of the linear control valve (LCV). Mark and remove hoses that go to each throttle body, noting front and rear.
- Remove bracket from LCV.
- Remove air temp sensor from front of air silencer box.
- Attach temp sensor to center hole on new Relocation Plate. Secure from top with supplied 7/16" e-clip. Refer to **figure #2**
- Attach front and rear coils to bottom of Relocation Plate. Secure with supplied M6 screws and nuts.
- Attach LCV to bottom of Relocation Plate as shown in **figure #1**.
- Attach rear cylinder IMP sensor to Relocation Plate as shown in **figure #2**.
- Place supplied wellnuts into frame, and place Relocation Plate between wellnuts with tabs pointed up. Loosely secure with supplied 3/8" bolts and washers. Refer to **figure #3** - now the Relocation Plate may be pivoted to gain access to the connections.
- Attach the front IMP sensor and AP sensor to the Relocation Plate.
- Attach hoses from front and rear cylinders to linear control valve (LCV) that you marked and removed earlier.
- Attach hoses to IMPs. Extend and/or shorten hoses to front and rear manifolds as necessary using previously removed hoses.
- Connect electrical plugs to sensors and LCV.
- Secure front of Coil Relocation Bracket with supplied M6 screw. Tighten wellnuts in frame.
- Install individual K&N air filters to each throttle body.
- Attach supplied hose to center connector on LCV, and then attach one Unifilter crankcase vent to the other end. Zip-tie filter anywhere below frame rails.
- Attach remaining Unifilter to crank vent and zip-tie below frame rail.

We recommend the use of a Dynojet Power Commander III module with installation of this Big Air Kit. Installation and use of this kit without a Power Commander may cause engine damage!

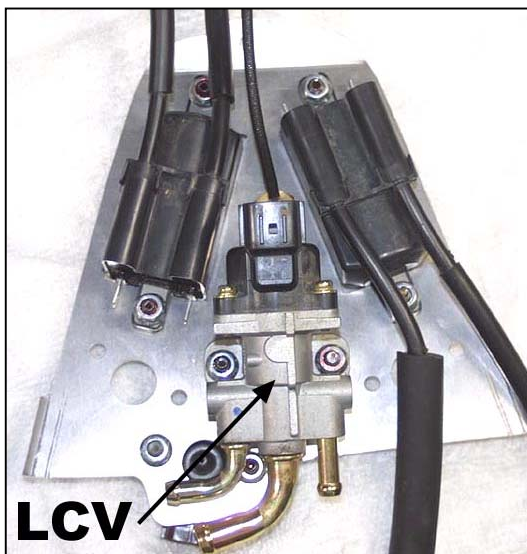


Figure 1

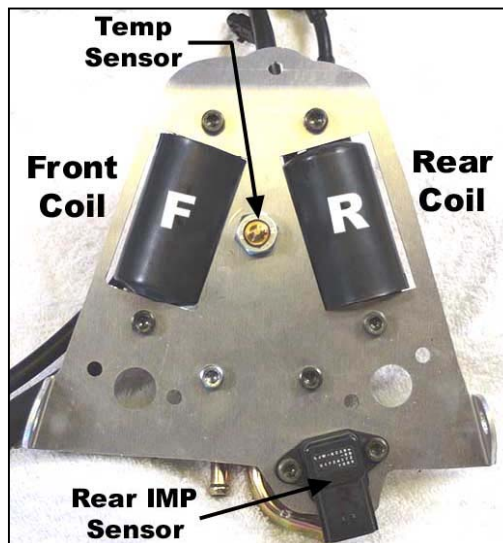


Figure 2



Figure 3

Our install guides provide a basic outline on the proper installation of our products. Further tuning and/or fitment may be required. Baron bears no responsibility on installation costs associated with this product.

© 2002 Baron Custom Accessories

Revision 2.0 1/03