



Installation Instructions for the OTB VooDoo Air Intake (111 and 116)

NOTE: The VooDoo air intake system flows significantly more air than the OEM air filter or other high performance air intakes. Make sure to have your bike tuned properly. Failure to do so WILL cause the motor to run lean and can cause engine damage. Do it right and get the most horsepower out of your motor. Tunes are available for the Dyno Jet PVCX or some dealers that do tuning.



1. Verify box contents

ONE Assembled VooDoo Air Intake
TWO Orings (black for 111 or brown for 116)
FOUR M6 - 1.0 x 60mm bolts

NOTE: Contact your dealer immediately if you are missing any components. As a side note, we chose to use metric bolts since your American built bike uses all metric bolts.



2. Remove your current air intake

Remove your stock air intake. There are two important things to note. One is to leave the brace in place. This supports the weight of the intake on the inlet tube. The second is to remove the rubber boot from the OEM intake that connects to the frame. Propping the gas tank up will help access to those bolts for removal. **NOTE:** If your brace does not look the one in the picture you will need to get a new brace from your dealer. The new style Chief released in 2021 has a large brace that is not compatible with the VooDoo.



3. Place the VooDoo back plate

Place the VooDoo back plate making sure to use the 2 Orings provided. One on the front and one on the back. Note the orientation of the back plate. This is important for the VooDoo to fit and function correctly. It also covers up the brace behind it.



4. Install the Throttle Body

CAUTION: Use a threadlocker (like Loctight®) to assure your bolts stay in place and don't come loose.

The throttle body will be bolted to the front of the back plate using the four bolts provided in the box. Use a threadlocker like blue loctight to secure the bolts. Torque the bolts to 88 inch pounds. Note the location and routing of the wire to the throttle body. Make sure the wire is not strained or pinched. With the throttle body located inside the VooDoo it allows it to sit back away from your knee and allows air to flow around it keeping it cooler.



5. Place the Heat Isolators

The Heat Ring has been replaced with black heat isolating spacers. There is one for each bolt. Place the heat Isolators between the back plate and the main body. (The same way it was assembled in the box) Bolt these two pieces together. The heat isolation spacers keep the main body from absorbing heat from the engine.

NOTE: This air intake is designed for off road racing. Venting an engine case breather tube to atmosphere is not the original design by the manufacturer and may not be legal for on road vehicles. Check with your local authority prior to installation to make sure the VooDoo is in compliance with local laws.



6. Install the Main Body

Install the main body as shown. There are four bolts that secure it to the back plate. The heat isolation ring is pinched between the main body and the back plate. Slightly rotating the main body left and right will allow it to seat into place. Check alignment to the throttle body opening to make sure there are no gaps.



7. Finish Up

Complete your installation with the filter and window. Use the black spacers on the bolts as they were originally installed to avoid crushing your air filter. Use a removable threadlocker. The airfilter is a dry media and can be cleaned with warm soapy water every 10,000 miles. More if more if needed.