Carb Passage Testing

Carb Passage Testing with Mighty Vac

The carbs must be completely disassembled and ultrasonically cleaned.

Once you have ultrasonically cleaned and rinsed the carbs, you need to verify all the passages are open.

Some of the passages are checked with vacuum using a Mityvac and tubing. The rest are checked by blowing compressed air through them and verifying it comes out the other end of the passage.

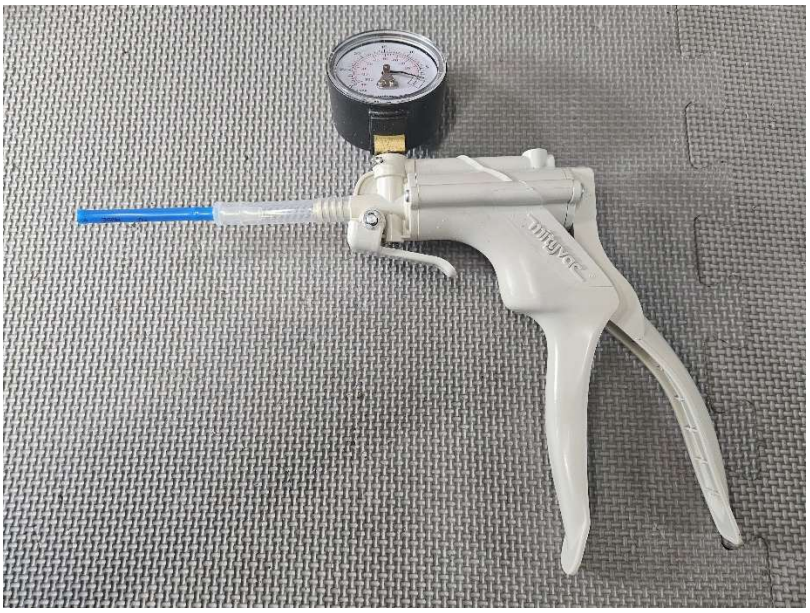
NEVER blow compressed air or spray carb cleaner through the carbs before removing the Air Cut Valves and CV diaphragms. You may destroy the rubber parts. To replace all the ACVs and diaphragms with new parts will cost over $1000.

Items Needed:

- Test Tubing Kit from Valkyrie Carbs and Custom
- A Mityvac tool
- Cleaned carb bodies

Leak Test of Test tubing and Mityvac

1. Connect the clear Test Tubing tube to your Mityvac.

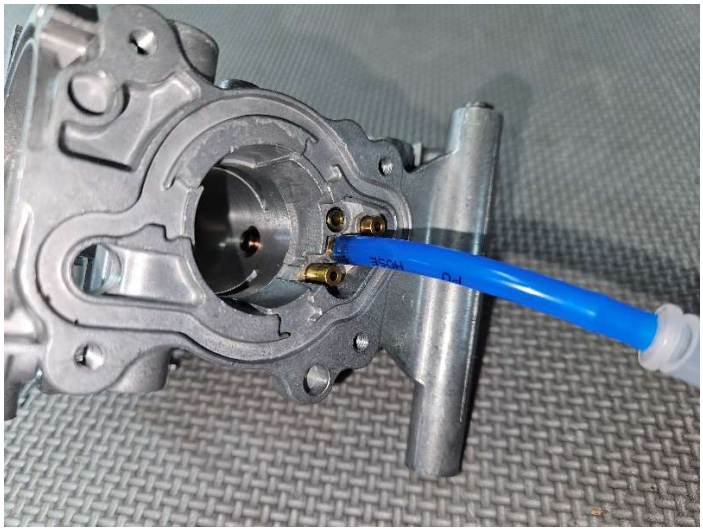


2. Cover the end of the tubing and draw a vacuum greater than 16 in HG.
3. Verify the Mityvac & tubing will hold the vacuum.

Carb Passage Testing

Test Setup

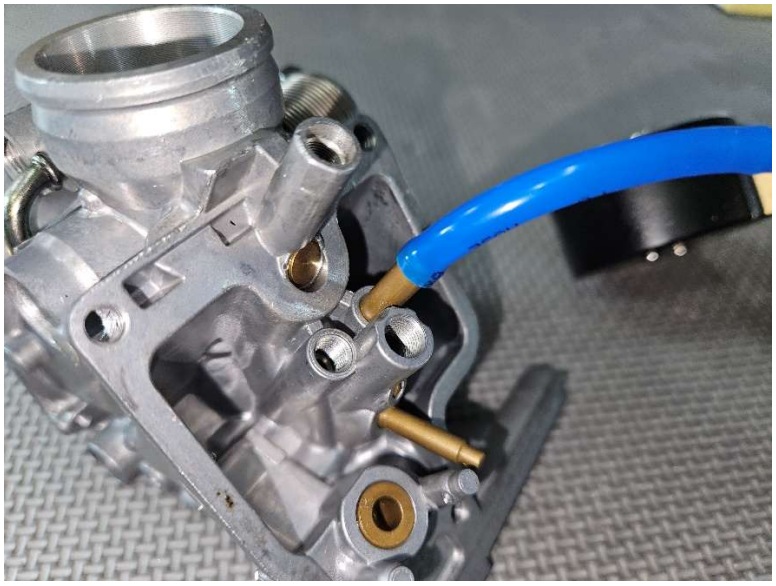
1. Connect the blue tube to one of the three raised brass tubes under the Air Horn.



2. Pump the Mityvac and verify it does not hold vacuum; indicating the passage is not blocked.
3. Repeat for the other two raised tubes.

NOTE: The flush mounted brass tube is checked with compressed air by blowing into the ACV nose port and verifying the air exits around the outside of the flush brass tube.

4. Connect the brass tube in the carb bowl.



5. Pump the Mityvac and verify it does not hold vacuum; indicating the passage is not blocked.

Note: If any of the tubes is blocked or partially blocked it will require further cleaning to function correctly.

Carb Passage Testing with Compressed Air

After successfully performing the Carb Passage Testing with Mighty Vac, check the rest of the passages with compressed air.

Items Needed:

- Cleaned carb bodies
- Safety glasses
- An air nozzle for your air compressor

1. Blow air through each passage and verify you have it exiting out the other end of the passage.

END OF PROCEDURE

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