

Carb Bowl & Drain Screw Leak Test

Carb Bowl & Drain Screw Leak Test Procedure

Items Needed:

- Super Lube Silicone Oil for O-ring and gasket lubrication.
- Test Tubing Kit. From Valkyrie Carbs and Custom.
- Carb Bowl Leak Test Plate. From Valkyrie Carbs and Custom.
- A Mityvac tool.
- Drain screw O-ring from the All Balls Kit.
- Bowl Gasket from the All Balls Kit.
- Straight Slotted screwdriver.



Procedure

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 a vacuum.

Carb Drain Screw Leak Test

1. Lubricate the drain screw O-ring.
2. Install the O-ring on the drain screw.
3. Install the drain screw in the Carb Bowl.
4. Connect the Mityvac and tube to the drain port.
5. Draw a vacuum above 16 in HG.

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6. Verify the vacuum holds steady.
7. Open the drain screw ¼ turn to release vacuum.

Carb Bowl Gasket Leak Test

1. Lubricate the carb bowl gasket.
2. Install the carb bowl gasket on the carb bowl.
3. Place the Bowl Leak Test Plate on top of the carb bowl gasket.
4. Draw a vacuum greater than 16 in HG.
5. Verify the vacuum holds.
6. Release the vacuum.
7. Remove the test plate.
8. Close the drain screw.
9. Draw a vacuum greater than 16 in HG and verify it holds.
10. Release the vacuum.
11. Install the carb bowl on the carb.

NOTE:

- If the drain screw leaks remove it and use a chop stick to burnish the surface where the O-ring contacts.
- If the bowl gasket leaks re-clean the gasket groove. Ensure there are no pieces of the glue the factory uses left on the sealing surface. A plastic golf tee works well to clean the groove.
Do Not use metal tools that will scratch the sealing surface.

END OF PROCEDURE

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