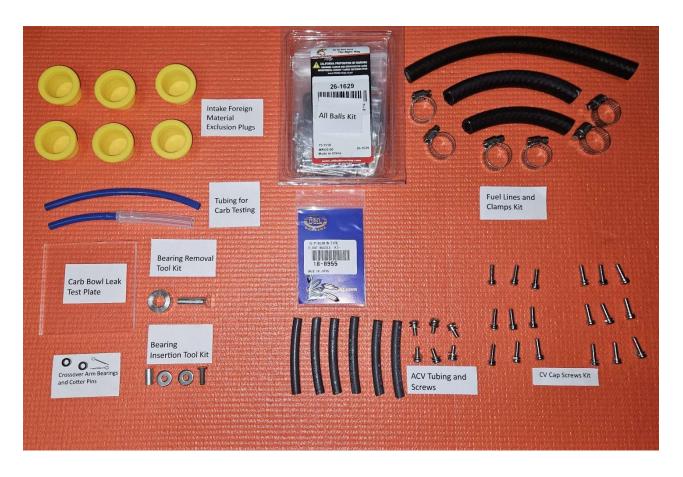
Notes on the Carb Kits



The Enhanced Carb Kit with Tools & All Balls Carb Rebuild Kit Contains:

- The All Balls Carb Rebuild kit
- Enhanced carb kit additional 43 parts
- K&L Float Bowl Needle Valves.
- Foreign Material Exclusion Plugs for the Intakes when the carbs are removed.
- Test Tubing Kit
- Bowl Leak Test Plate
- Bearing Removal Tool Kit
- Bearing Insertion Tool Kit

New Carb parts - 167 total

All Balls Carb Rebuild Kit -118 parts

- ACV nose O-rings ___6
- Air Cut Valve jets O-rings ___12
- Air Horn Gaskets 6
- Air Rail Tee O-rings ___4

- Air Rail Tube O-rings 4
- Bowl Drain Screw O-rings 6
- Bowl gaskets 6
- Bowl screws 18
- Fuel rail tee O-rings 4
- Fuel rail tube O-rings 4
- Main Needle Holder O-rings 6
- Main needles 6
- Pilot screws, springs, washers, orings
 24
- Slow and main jets. 35/100 (stock) 12

K&L Float Bowl Needle Valves – 6 parts

Additional New Parts Added to Carb Rebuild Kit – 43 parts

- Air Cut Valve Screws__6
- Air Cut Valve Tubing__6
- Crossover arm bearings__2
- Crossover arm cotter pins__2
- CV Cap Screws 18
- Fuel line clamps__6
- Fuel Lines__3
- 1. The All Balls carb kit includes 18 green screws that are for the chrome carb CV diaphragm covers. Use the 18 chrome CV Cap screws from the kit I included, unless you prefer green!
- 2. The bowl float needle valves included in the All Balls kit do not set the floats at the proper level. Throw them away and use the K&L float bowl needle valves.
- 3. The All Balls bag with the screws also has springs and washers for the Pilot valves.
- 4. I supply new screws for the Air Cut Valves (ACVs) in the ACV Tubing and Screws Kit. The originals screws are not supposed to be reused.
- 5. The All Balls O-rings and gaskets all come in one bag and are unmarked. Reference the document "All Balls O-rings and Gaskets" for sorting them.
- 6. I use Super Lube Multi-Purpose Synthetic Oil to lubricate the rubber gaskets and O-rings.
- 7. DO NOT spray carb cleaner into the carbs with the CV diaphragms, and/or the ACVs installed you may ruin the rubber parts. The ACVs cost about \$80 each, and the slider diaphragms cost about \$100 each. It would cost over \$1000 to replace them all.

- 8. I highly recommend using an ultrasonic cleaner to clean the carbs after **complete** disassembly. I include the Carb Inspection and disassembly report I use when rebuilding customer carbs. You may find it helpful.
- 9. Reference the following documents for details on rebuilding and inspecting the carbs. They are available for download in the "Download" section of our website www.valkyriecarbsandcustom.com.
 - Air Cut Valve Testing
 - All Balls O-rings and Gaskets
 - Bowl & Drain Screw Leak Test
 - Crossover Arm Bearing Test & Replacement
 - Installing the All Balls ACV O-rings
 - Carb-Passage Testing
 - Carb-Rebuild Inspection and Disassembly Report





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