



Carburetor Idle Adjustment

Carburetor's were used in vehicles up until around 1990 to mix air and fuel for combustion in the cylinders. Making sure that they are functioning equally maximizes engine efficiency.

Written By: Noah



INTRODUCTION

In this guide, you will be instructed on how to adjust and synchronize the output of the two carburetors.

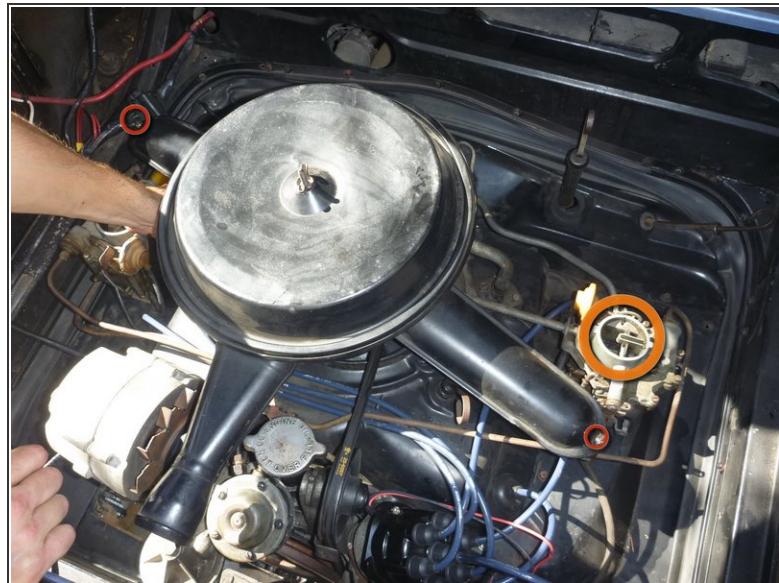
TOOLS:

- 3/8" Wrench (1)

PARTS:

- Carburetor Synchronization Tool (1)
- Flathead Screwdriver (1)
- Standard Wrench Set (1)

Step 1 — Carburetor Idle Adjustment



- Use a 3/8 socket wrench to loosen the retaining bolts on the air cleaner.
- Rotate the air cleaner so that the throats of both carburetors are clear. Now you will be able to adjust them.
- Start the engine

Step 2



- Allow time for the engine to warm up completely
- Attach carburetor synchronization tool to one of the carburetors
- Observe the relative reading, and remember it.
- This reading is a measurement of the airflow speed

Step 3



- Set the synchronization device on the other carburetor.
- Using a Flathead screw-driver, twist the idle speed screw in to raise the flow, and out to lower it.
- Recheck both carburetors and adjust as needed to get the flow as equal as possible.

Step 4



- Now, the idle mixture screws must be adjusted.
 - **(i)** It is important that when the screws are adjusted they are adjusted the same amount in the same direction.
- Turn both screws in, or out an 1/8 or a turn at a time until the fastest idle speed is achieved.

⚠ Before proceeding with this step you should have already checked your [ignition timing](#), if you have not do it now, and then continue from here.

Step 5



- Finally, raise or lower the idle speed screws until the idle speed is about 550 RPM
- ***i*** Once more, it is important to adjust the screws the same amount.
- Rotate the air cleaner back to its original position, and re-tighten the 3/8 nuts on the retainers

Congratulations, your Corvair should now idle properly. If the Carburetors are still not operating properly, then the linkage is not synchronized, or they are in need of repair or rebuild. (A linkage adjustment and rebuild guide will be made soon!)