

# Dual 34mm Solex Carbs for T-4

This carburetor kit is supplied with one left side carburetor and one right side carburetor. The fuel inlet ports face outward. The carburetors are equipped with electric chokes. The choke elements must be supplied with 12 volts to operate. The electrical power to the chokes must be connected to switched "ignition on" power to prevent battery discharge. A vacuum cap is supplied to close the distributor vacuum port if a mechanical advance distributor is used.

The kit is supplied with rubber fuel line, a fuel line 'T' and clamps. Cut the fuel line to length, install the 'T' and connect to the Fuel pump. Use a fuel filter between the fuel pump and the carburetors. Solex carburetors are designed to run with 3 1/2 lbs. of fuel pressure. Excessive pressure will cause the inlet valves to leak excess fuel.

Install the balance tube between the intake manifolds. Brass barbed fittings and clamps are supplied in the kit. Brass plugs are supplied to close the remaining ports in the intake manifolds. The balance tube aids in smoothing idle and low speed engine response.

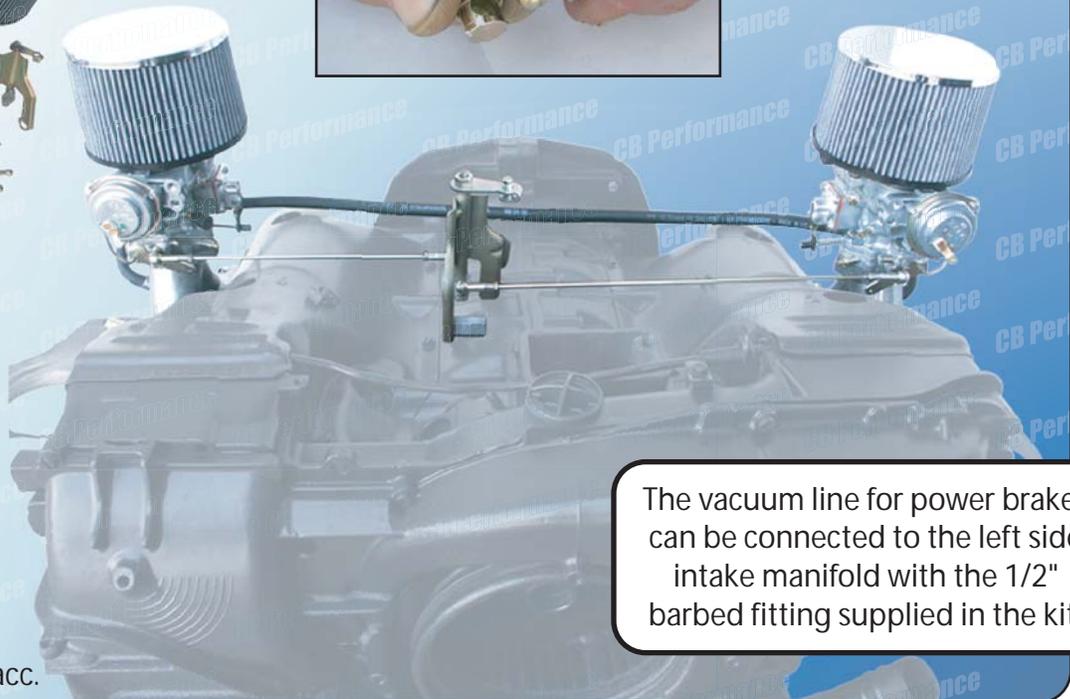
The throttle linkage is a direct pull bell crank design. The ball ends snap over the balls mounted on the carburetor throttle levers, and on the bell crank. Your T-4 bell crank linkage has an adapter nut pre-installed on it to create the correct offset for the linkage. It uses the existing case bolts for mounting directly to the case. Rotating the bell crank pushes the throttles open. The bell crank mounts directly to the engine case as shown. To mount the ball ends just pull back on the spring loaded collar and slip the end over the ball. The length of the rods are adjusted by removing a ball end from the ball and rotating the end. To synchronize the carbs, we recommend using a flow meter (#6534). Synchronizing the carbs is best done with the linkage disconnected from the carbs. Once the carbs are in sync, and the idle speed is correct, adjust the length of the linkage rods until the ball ends fit over the balls without pulling on the carb arm. After you have completed the synchronizing process, check your linkage to make sure you are getting full throttle and tighten the ball end lock nuts. Also make sure that both carb arms hit the stops at the same time and adjust linkage if necessary. We recommend setting the idle mixture screws at 2 turns out from the bottom as a general starting position.



## This kit

## Contains:

- 2 Air Cleaners
- 1 Balance Tube
- 1 Fuel Line
- 1 Fuel Line "T"
- 2 Manifolds
- 1 Solex Linkage Kit
- 2 Solex Carburetors
- 1 Bag with Gaskets, Plugs, Nuts, Washers, and other acc.



The vacuum line for power brakes can be connected to the left side intake manifold with the 1/2" barbed fitting supplied in the kit.

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