



ADVISORY LEVEL: General Info

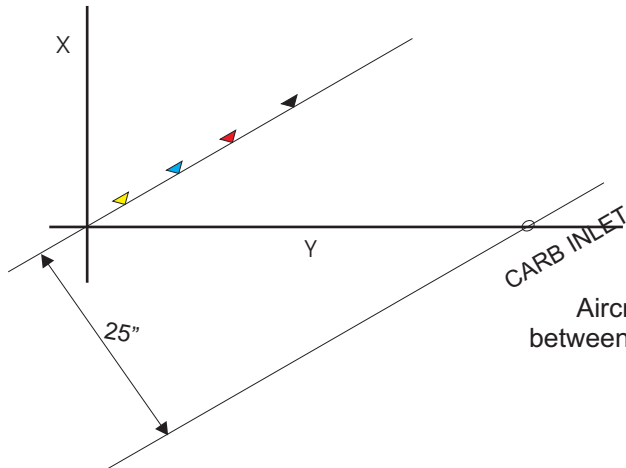
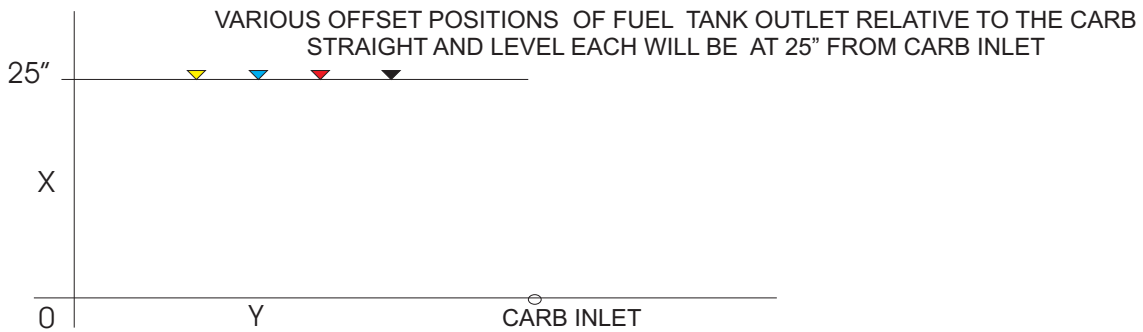
DESCRIPTION: Fuel Gravity Feed To Bing Carb

ENGINE TYPE: R2800 & R3600

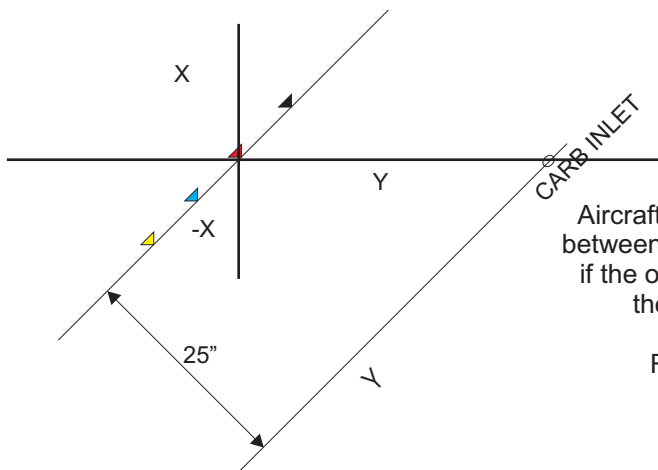
Using Gravity to Feed Fuel to the Bing Carb.

Rotec Radials are equipped with a positive pressure diaphragm fuel pump. However some elect to use gravity feed of fuel to the Bing Carb. In such instances users should be aware of the possibility of starving the carb. The diagrams serve to illustrate that an allowance for climb conditions needs consideration.

In this instance the positive pressure is provided by 25" head at level - the larger this figure and the smaller the offset between the outlet of the fuel tank and the carb inlet the better.



Aircraft climbs at 30 degrees - the distance between the fuel out-let point and carb reduces but all are still positive in pressure.



Aircraft climbs at 45 degrees - the distance between the fuel out-let point and carb shows if the outlet is at the yellow or blue position the + pressure becomes negative starving the carb. Red position is barely positive. Black position is still OK