Installing Carburettor Tips

Make sure you install your carburettors with a quality linkage.

Cheap linkages cause all kinds of issues including stick throttle unable to achieve full throttle and high idle speed.

Make sure you fit your side draught carbs with a soft mount kit.

Side draught carburettors need to be flexibly mounted using either a Thackeray washer or a cup and bobbin arrangement to set the pre load on the carb.

When tightening carburettors do this is evenly at opposite corners to avoid unevenly tightening one side and possibly damaging the carburettors.

Always fit your carburettors with a fuel pressure regulator.

We recommend a filter king with gauge provision.

1.5-2psi is adequate for most carburettor installations higher fuel pressures may cause the float bowls to over fill and result in fuel leaks.

Before trying to start your engine allow the fuel pump to fill the float bowls and check for leaks.

If your carburettors leak fuel via the pump jet or choke:

Check your fuel pressure.

Check the float needle valve has not stuck remove the carburettor top and move the float manually and check the needle valve moves.

Float heights even factory float height specifications may need adjustment to reduce the float travel.

With modern fuel blends and ethanol additives the fluid displacement of your fuel can be different to the 50 year old specification with leaded fuels.

If you have correct fuel pressure and the needle valves are free try closing the floats by a couple of mm.

Once installed your carburettors (if multiple carburettors) will need to be balanced to each other.

This is done with a vacuum gauge.

Once you have the balance set, idle and idle mixture we recommend final tuning is done on a rolling road.

This ensures the calibration and jet settings are correct for your application no two engines are the same.

Not finalising the tune could result in engine damage due to lean or rich points through the rev range.

Rolling road tuning is the only way to ensure the best performance from your carburettors.