

Disconnect battery earth terminal before commencing any work.

Air filter removal

Disconnect engine breather hose

Remove air filter plenum chamber from carburettor

Automatic choke disconnection

Ensure engine is cold, release excess pressure by loosening the expansion chamber cap

Disconnect the water hoses from the carburettor, either temporarily join or clamp the hose ends to prevent coolant loss.

Distributor disconnection

Disconnect the distributor vacuum advance pipe from the carburettor

Electrical disconnection

Disconnect the wire to the automatic choke, insulate and tie back as no longer required.

Disconnect the wire to the idle cut-off solenoid, insulate and tie back as no longer required.

Disconnect the wire to the heater capsule, insulate and tie back as no longer required.

Accelerator cable disconnection

Disconnect the cable from the quadrant wheel.

Remove the 2 bolts holding the cable support bracket to the manifold, retain bolts and remove bracket, retain for use later. Discard quadrant wheel and link rod to carburettor.

Fuel line disconnection

Disconnect fuel supply pipe, cap or clamp to temporarily seal off

Disconnect fuel return pipe, cap or clamp to temporarily seal off

Removal of Pierburg carburettor

Remove the carburettor by unscrewing the 3 nuts located within the carburettor top casting, remove heat spacer and any gaskets.

Remove the 3 studs from the manifold by using locking nuts or a stud extractor.

Make sure all traces of old gasket are removed and manifold surface is clean prior to installation of new carburettor.

Installation of adaptor plate and cable support

Fit new cable mounting bracket support plate to manifold using supplied M6 screws and spring washer.

Fit the original cable support bracket to the new support plate using the original fixings.

Fitting the manifold adaptor

Place lower gasket (3 hole) on the manifold, place manifold adaptor plate over gasket and use the 3 Allan cap screws , we advise using Loctite, to secure the adaptor in place.

Again using Loctite, fit the 4 off M8 studs to the adaptor plate.

Preparing the carburettor.

Note: - If a low pressure electric fuel pump is to be fitted the return pipe does not need to be fitted to the carburettor, but the existing rubber fuel return pipe will need to be capped off and secured safely away from heat and moving parts

Remove the brass blanking cap opposite the fuel feed pipe, retain aluminium washer. Fit supplied return union re-using the aluminium washer.

Remove the U shaped lever on the operating spindle buy first bending the tab on the lock washer, then undo the nut.

Fit the new lever to the spindle as shown in the picture.



Re-fit the locking washer and nut. Tighten the nut by hand and then 1 additional flat with a spanner, bend locking washer tab to lock nut in place.

Fit the cable holder/ball joint to the lever in position as shown, its position may have to be changed once the cable is fitted and operated.

Fitting of the carburettor

Place the carburettor base gasket over the adaptor studs, fit the carburettor over the studs with the lever connection adjacent to the cable bracket.

Using the 4 x plain washers and nuts tighten the carb down evenly.

Throttle cable connection

Refit the cable outer to the retaining bracket, cut the cable close to the original nipple, then feed the inner cable into the new cable holder and clamp using the outer screw. The cable tension will need to be checked and adjusted to make sure that full spindle operation of $\frac{1}{4}$ turn can be achieved using the accelerator pedal. The length of the cable holder and position of the ball joint may need to be changed to get the correct travel. Once the correct travel has been obtained, tighten the locking nut on the cable holder.

Reconnection of pipework.

RE-connect the coolant pipes to the thermostat housing, and clamp securely. Top-up the coolant system if necessary and check for leaks.

Connect the fuel feed pipe to the fuel union, and the return to the newly fitted return union. Clamp securely.

Air filter fitting.

If supplied assembled remove the clips holding the top and bottom plates together and separate the top and element from the base. Fit the supplied breather elbow to the base plate using the securing nut to lock in place.

Place the supplied gasket over the carburettor followed by the base plate and secure the using the 4 bolts and washers supplied.

Re-connect the engine breather hose to the plastic elbow.

Re-fit the element and top cover, securing with the clips provided.

Final checks & starting.

Check the coolant and fuel hoses for leaks, if none are found re-connect the battery earth wire.

Initial starting of the engine may take a few turns of the engine to allow the carburettor to fill with fuel, this is normal.