

Fitting Instructions

C2767 – Rubber Case Battery

Commissioning:

●For filling, use a battery grade dilute sulphuric acid of specific gravity 1.270-1.280 at 25°C conforming to BS3031 or better (N.B. contaminated acid with impurities can seriously damage the life of the battery, in some cases reducing this to a few days. Do not use acid from old batteries.)

●The temperature of the acid and the battery should both be room temperature in the range of 15-30°C.

●Fill each cell with the acid to a level of 8-15mm above the tops of the plates. Fill each cell one after the other and complete the filling in one operation.

●Leave the battery for 20-30 minutes and then measure the open-circuit voltage. If it is below 12.50V, charge the battery. If it is above 12.50V, adjust the acid levels to the correct operating levels with dilute sulphuric acid of specific gravity 1.270-1.280.

●Fit the normal vent plugs and terminal covers.

●Wash the battery with hot water and dry it.

●Performance checks on newly commissioned dry charged batteries using modern electronic digital testers using conductance technology are not recommended (examples are— testers supplied by Midtronics or Bosch). The results can be misleading until the battery has undergone some service use.

Electrolyte levels in service:

●Do not top up to the maximum levels a battery that needs charging, as levels rise on charging. However, if the levels are below the tops of the separators, top up with distilled or de-ionised until the separators are just covered.

●Adjust levels to the maximum levels only after the battery has stood for at least an hour after charging.

●Never overfill a battery as the acid may come out of the vent plugs when the battery is being charged.

Installing the battery:

●Fit and tighten the hold-down clamps. These should be tight enough to secure the battery and not allow it to move— DO NOT OVER TIGHTEN.

●Connect the live connector first to the correct battery terminal (usually the positive) after removing the terminal cap. DO NOT OVER TIGHTEN.

●Connect the earth connector to the other terminal after removing the terminal cap. DO NOT OVER TIGHTEN.

●Place both terminal caps on the old battery that has been removed from the vehicle to avoid the possibility of short circuits.

●Replace onto the new battery, any components that have been taken from the old battery such as exhaust tubes, vent elbows, terminal covers, removable hold-down strips (widgets) etc.

●The use of petroleum jelly (Vaseline) is not necessary on modern polypropylene batteries, but there is no disadvantage in smearing a small amount lightly on the terminals. This is still recommended for hard rubber batteries— do not use grease.