



Uncontrolled Document
For Guidance Only
SERVICE SHEET
Number 2

TEST AND REPAIR OF THE POWER PACK CHARGER

(PART NO. PORPR1702)

The chargers for the PORPR-1000 & 1700 are inter-changeable, but only the one manufactured by SINO-AMERICAN may be repairable. *Fig. 2*

Fig.1 Non Repairable

Fig.2 Repairable



A charger will either be working, or not working. The voltage output of a good charger should be 17 volts. An easy way to check the output is to connect it to the *Power Pack* and observe the charging light. The light should come on and stay on. Leave the charger connected for at least 10 seconds to ensure the light stays lit.

If the light does not stay lit for 10 seconds:-

1. Inspect the leads. Look for any breaks and signs of corrosion around the plug/socket.
2. If OK, check the charger using a meter set to the Ω (Ohms) scale. Connect it across the live and neutral of the mains power plug and read the resistance. A charger working correctly should give a reading of approx. 100 Ω .
3. If no reading can be recorded. Check the mains plug fuse. If the fuse is OK, then the fault is definitely on the charger itself and is not repairable, so a new charger will be required.
4. If a reading of approx. 100 Ω on a *Sino-American* charger was detected, then the fuse inside the charger will have blown which can be replaced, as described below.

1) Using a *Snap On* box spanner (*STM44*) remove the 4 x 4mm bolts from the base of the charger and separate the body.

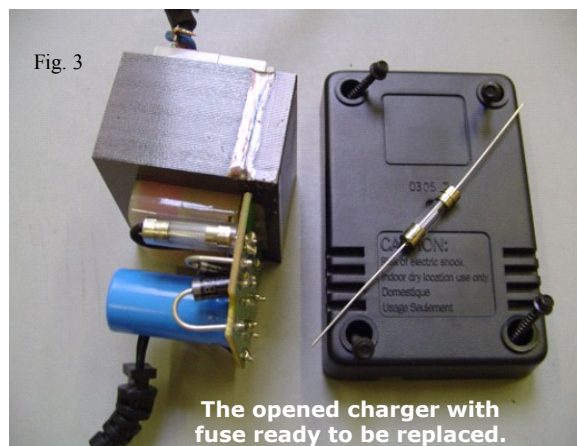
2) Ease the charger and leads from the base to gain access to the rear of the printed circuit board.

3) With a soldering iron, remove the glass fuse and replace it with a new fuse available from the *Portable Power* Service Dep't.

4) Reassemble the charger.

5) Test the unit by connecting it to the *Power Pack* and ensure the charging light comes on and stays on.

In the event this action does not cure the problem, there may be a fault on the *Power Pack*. (See *Service Sheet No. 3 Fault 2*)



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