

EQUIPMENT	SPECIFICATION/ MANUFACTURER	ITEM No
Sinclair Spectrum Mains Adaptor	Cambridge Computer	1
Z88 Cased Unit Test Fixtures	Cambridge Computer	2
Special Test Box (with separate power supply)	Cambridge Computer	3
Test Card Connector for SKT2	Cambridge Computer	4
Test Card Connector for SKT3	Cambridge Computer	5
Test Card Connector for SKT4	Cambridge Computer	6
Test Card for Peripheral Expansion Connector	Cambridge Computer	7
RS232 Termination Connector	Cambridge Computer	8
Standard RAM Pack	-	9
Special Modified 32K RAM Pack	Local modification	10
128K EPROM Test Program Pack	Cambridge Computer	11
240 V Variable Transformer (with flying mains socket attached)	Local Purchase	12
Adaptor Test Box	Cambridge Computer/ Local manufacturer	13

## 2.2 Preparation for Test

### 2.2.1 Before commencing the test verify the following:

- (a) A gap exists between the case and the Reset switch.
- (b) The Flap switch button is depressed and released when the flap is opened and closed.
- (c) The adaptor is connected to the mains and its jack plug is inserted in the test box.
- (d) The two banana fly leads from the test box are connected to the test fixture.

## 2.3 Test Functions

- 2.3.1 The system test exercises all the Z88 functions and by use of screen prompts progresses through six defined states. The software test is followed by a comprehensive test of all power functions, including current drain in the operational and coma states and a check of the 'supercap' operation.

## 2.4 Procedure

- 2.4.1 Set Switch B on the test fixture to position 2 (jack).
- 2.4.2 Connect up the test rig as shown in Figure 3.1.