









## REPAIRS & REPLACEMENT

Do not try to repair main card in actual system. Repair the card in laboratory by simulating actual condition. While replacing the components, observe the following.

1. When soldering avoids excessive heat, which may damage components.
2. Be careful while making all soldered joints as a poorly soldered joint can cause further trouble and is one of the most difficult faults to locate.
3. Do not damage leads of other components by pushing or pulling them Aside.
4. Maintain a log of all repairs and adjustments. Comprehensive notes and an accurate log make it possible to manage subsequent maintenance actions.

## MAINTENANCE

**GENERAL:** The DTMF BASED TELEPHONE has been designed for continuous reliable operation. However, following steps for periodic inspection are recommended:

## TROUBLE SHOOTING

In case there is any fault in the DTMF BASED TELEPHONE, it is preferable to test the system step by step as given below. It is desirable that basic principle of operation of the system should be kept in mind before doing any trouble shooting. A brief trouble shooting chart is given below.

### Jumper Setting

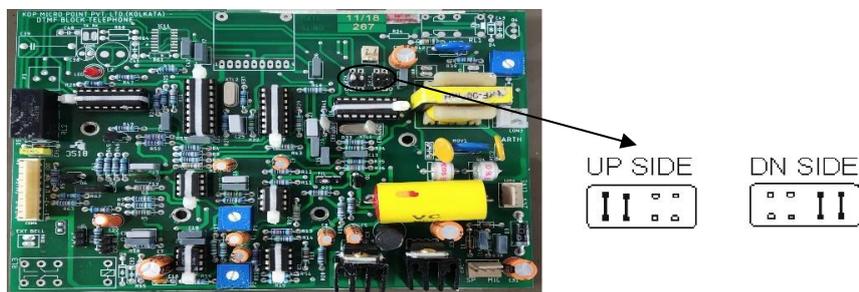


Fig 1.2

| Fault                            | Reason                       | Solution  |
|----------------------------------|------------------------------|---|
| Supply LED indicator not glowing | Supply voltage or fuse blown | Check supply connection, Supply voltage and fuse.   |
| Press to call switch not working | Switch connection or switch  | Check the switch & connection with DMM.             |
| Voice is not coming              | Jumper setting or 2W Line    | Check jumper setting (Fig 1.2) or combination wire. |