

6 DISASSEMBLING THE SCOPEMETER

6.1 GENERAL INFORMATION

Whenever the ScopeMeter needs repair and/or Hardware SCOPE Calibration Adjustments, the instrument must be disassembled.

NOTE: For replacement of components refer to section 7.2; for Hardware SCOPE Calibration Adjustments refer to section 5.6.1.

This section provides the required disassembling procedures. Both printed circuit boards removed from the instrument must be adequately protected against damage, and all normal precautions regarding the use of tools must be observed. During the disassembly process, make a careful note of all disconnected leads so that they can be reconnected to their correct terminals when you reassemble the instrument.

WARNING: Removing the instrument covers or removing parts, except those to which access can be gained by hand, is likely to expose live parts and accessible terminals may be live. To avoid electric shock, disconnect the instrument from all voltage sources and remove batteries before disassembling the instrument. If any adjustment, maintenance, or repair of the disassembled instrument under voltage is required, it shall be carried out only by qualified personnel using customary precautions against electric shock. Capacitors inside the instrument can hold their charge even if the instrument has been separated from all voltage sources and batteries have been removed.

6.2 DISASSEMBLY PROCEDURES

The following sections describe the disassembly process of the ScopeMeter in sequence (from fully assembled instrument to separate printed circuit boards and chassis parts). Start and end disassembly at the appropriate heading levels.

WARNING: To avoid electric shock, disconnect test leads, probes and power supply from any live source and from the ScopeMeter itself.