

## RECEIVER TROUBLESHOOTING:

### LINE FAULT

#### TYPICAL LINE VOLTAGES:

- On-Hook Voltage = 48-50VDC
- Off-Hook Voltage = 6-10VDC
- Ring Voltage = 98-110VDC Pulsating
- Voltage Threshold is 25VDC

#### STEPS TO TAKE WHEN A LINE FAULT OCCURS:

- Hit 'SYSTEM TEST' to see if the fault clears; If Not...
- Check the phone line for proper voltage and polarity at the block (Tip is +)
- Check the phone line for proper voltage and polarity at the Filter Box.
- Check the phone line for proper voltage and polarity at 685
- Check for proper voltage at the line card
- If all voltage checks are correct, move the affected line card to a different slot to see if fault clears. If so, 685 may have a bad slot; if not, reverse Tip and Ring. If fault still exists Replace the Line card (685-8)
- If the voltage is correct at the incoming block but not after the filter box, run a direct pair from the block to the 685, bypassing the filter box. If fault clears, replace the filter box (LF465).
- If the voltage is correct after the filter box but not at the line card, send 685 in for repair.