

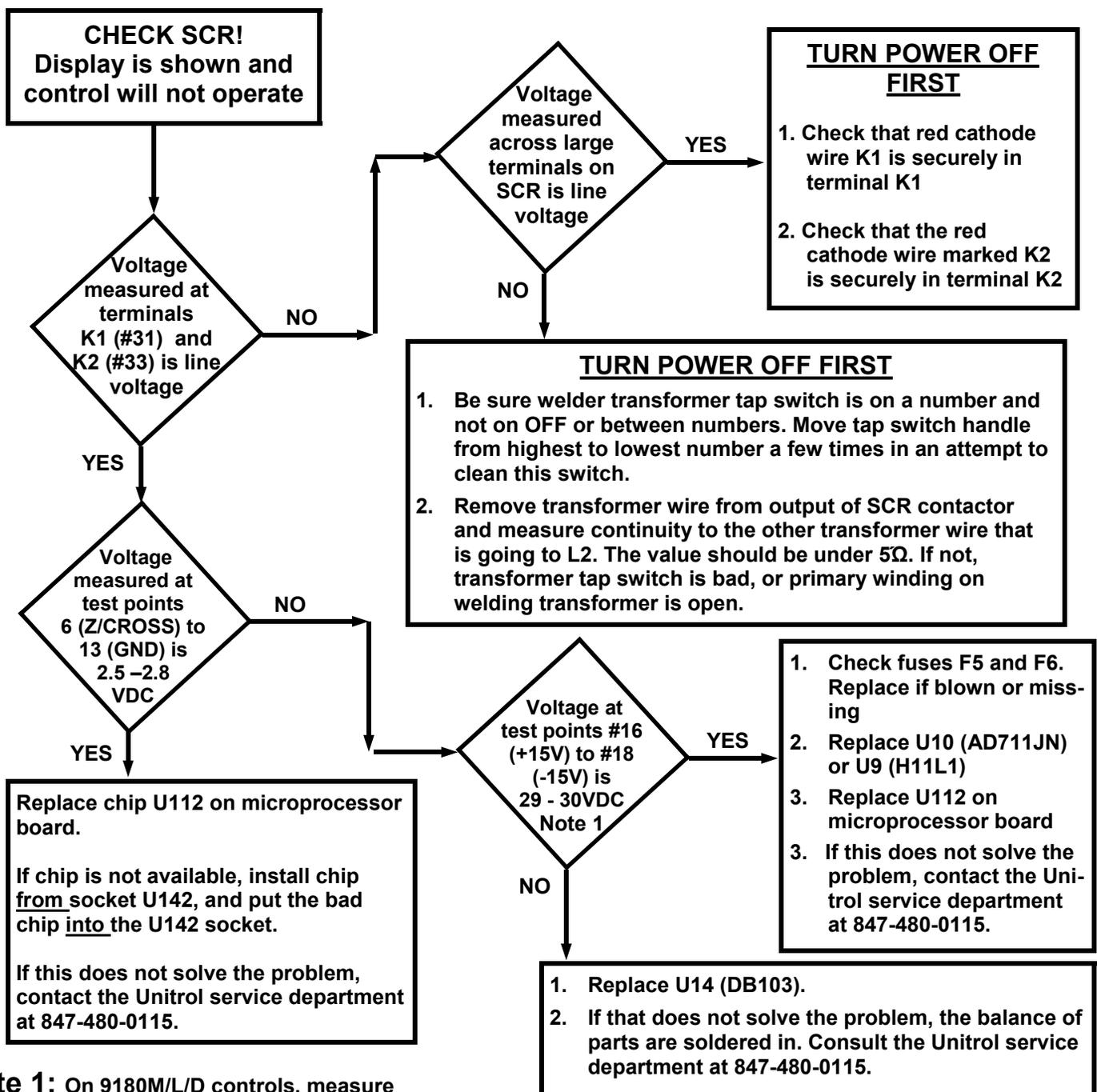
TROUBLE SHOOTING “CHECK SCR” DIAGNOSTIC ON UNITROL 9180 SERIES SOLUTION CONTROLS

HOW SYSTEM WORKS: The SOLUTION-2 control gets it's line voltage synchronization by monitoring voltage across the SCR contactor. Without this precise signal, the control will not operate properly or not operate at all.

CHECK SCR: This display will be shown when the microprocessor is not getting this synchronization signal. The control will not operate in any way when this fault is displayed.

TROUBLE SHOOTING: Follow the flow chart below to identify the problem. **Before starting, check to be sure that the ribbon cable between boards on 9180M, 9180L, and 9180D is pushed in on both ends, and that the cable to the remote console on 9180 controls is fully seated on the back of the remote and the back of the power supply board.**

Measurements are made on back of the power supply/IO board unless otherwise noted.



Note 1: On 9180M/L/D controls, measure +15V to -15V on left side of C13 to left side of C15.