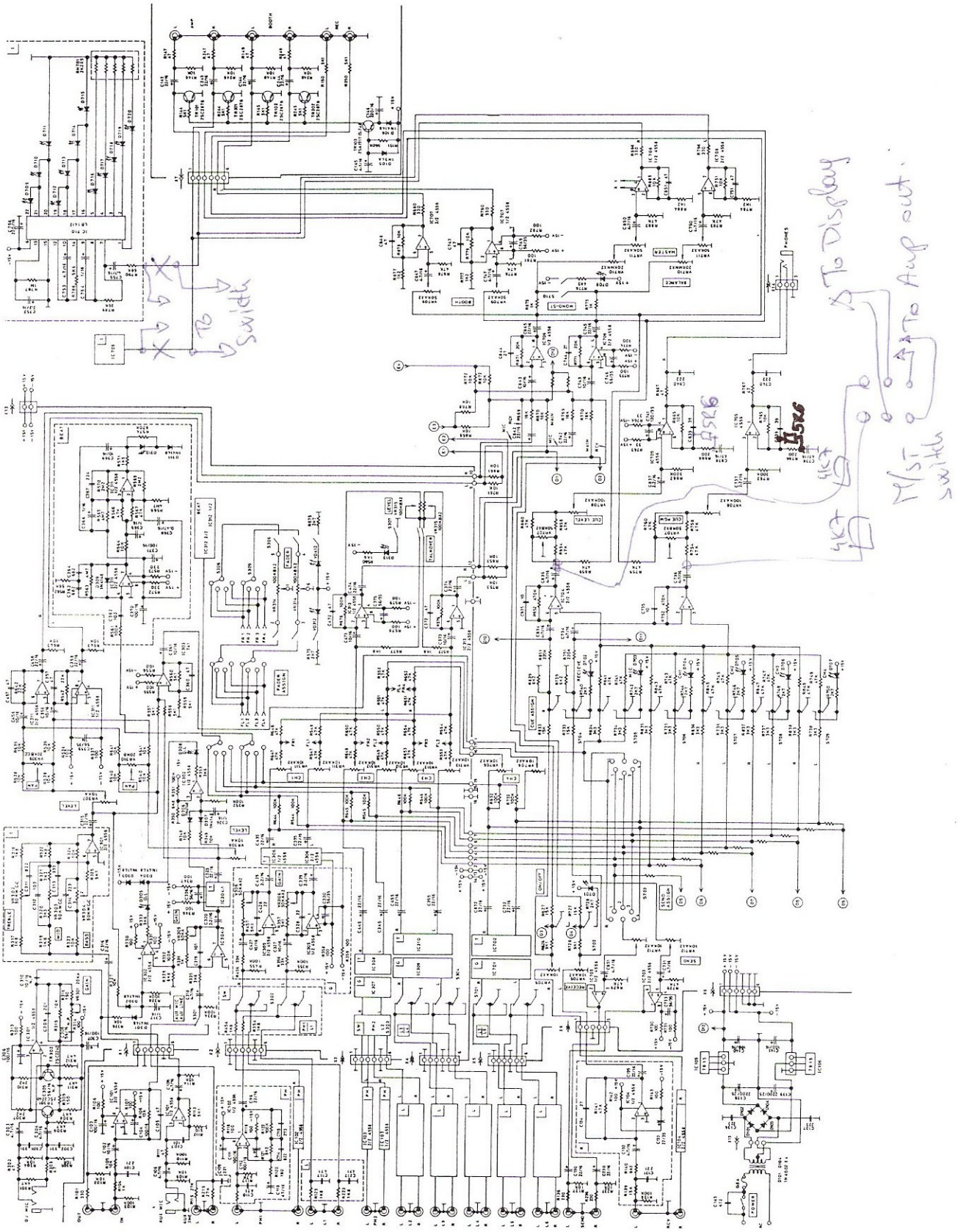PS-747 SCHEMATIC DIAGRAM