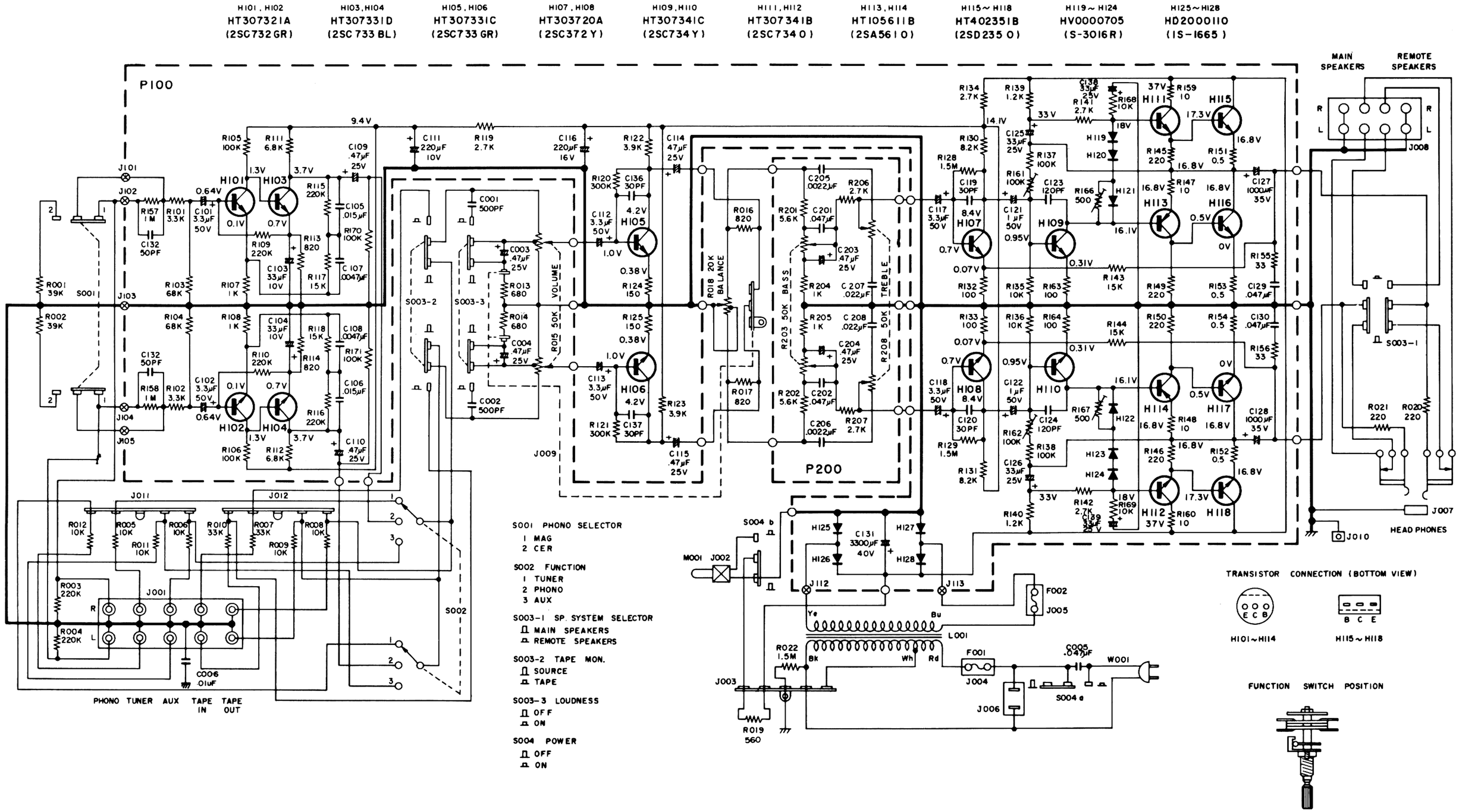A-245 SCHEMATIC DIAGRAM