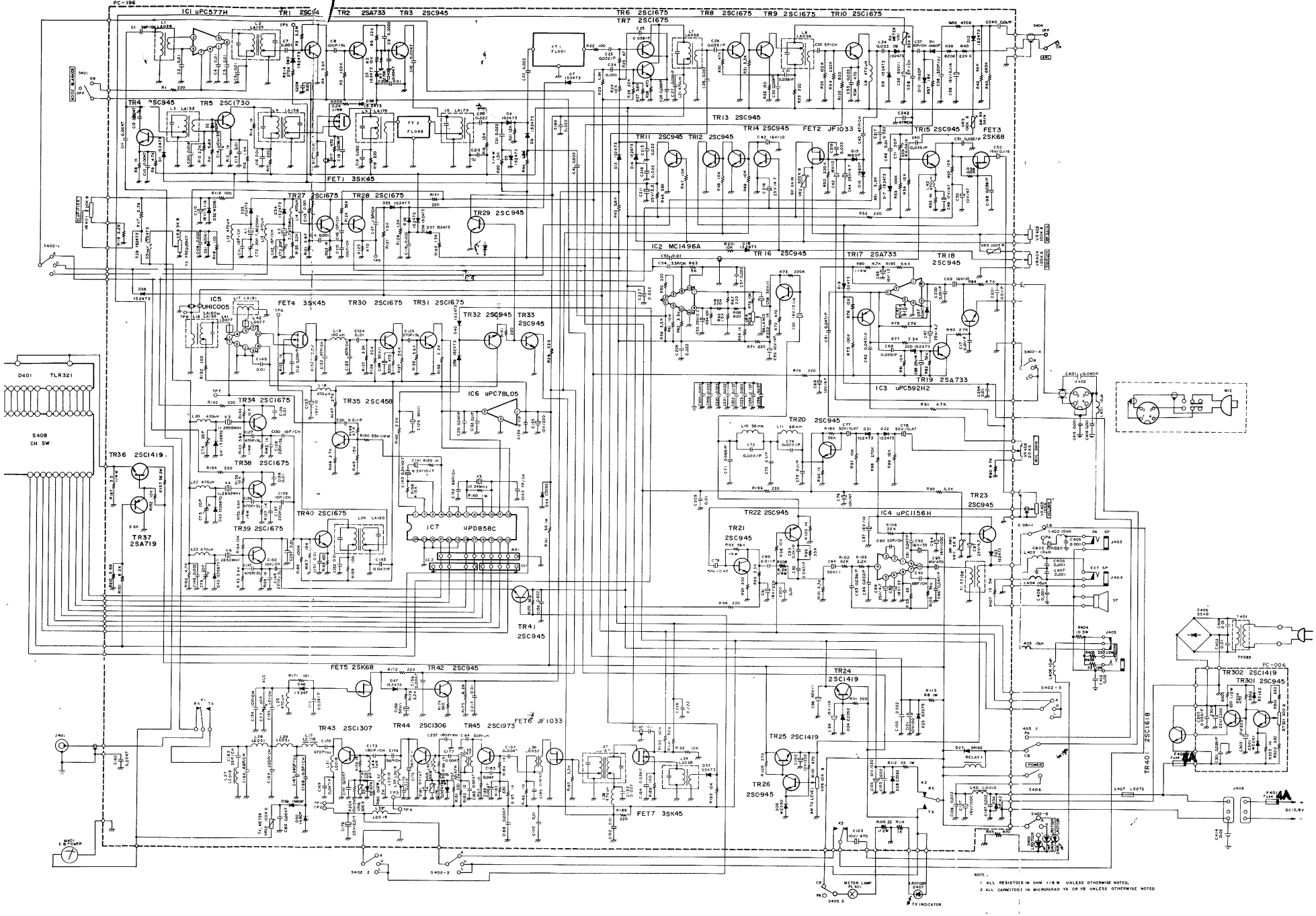CIRCUIT DIAGRAM FOR WASHINGTON