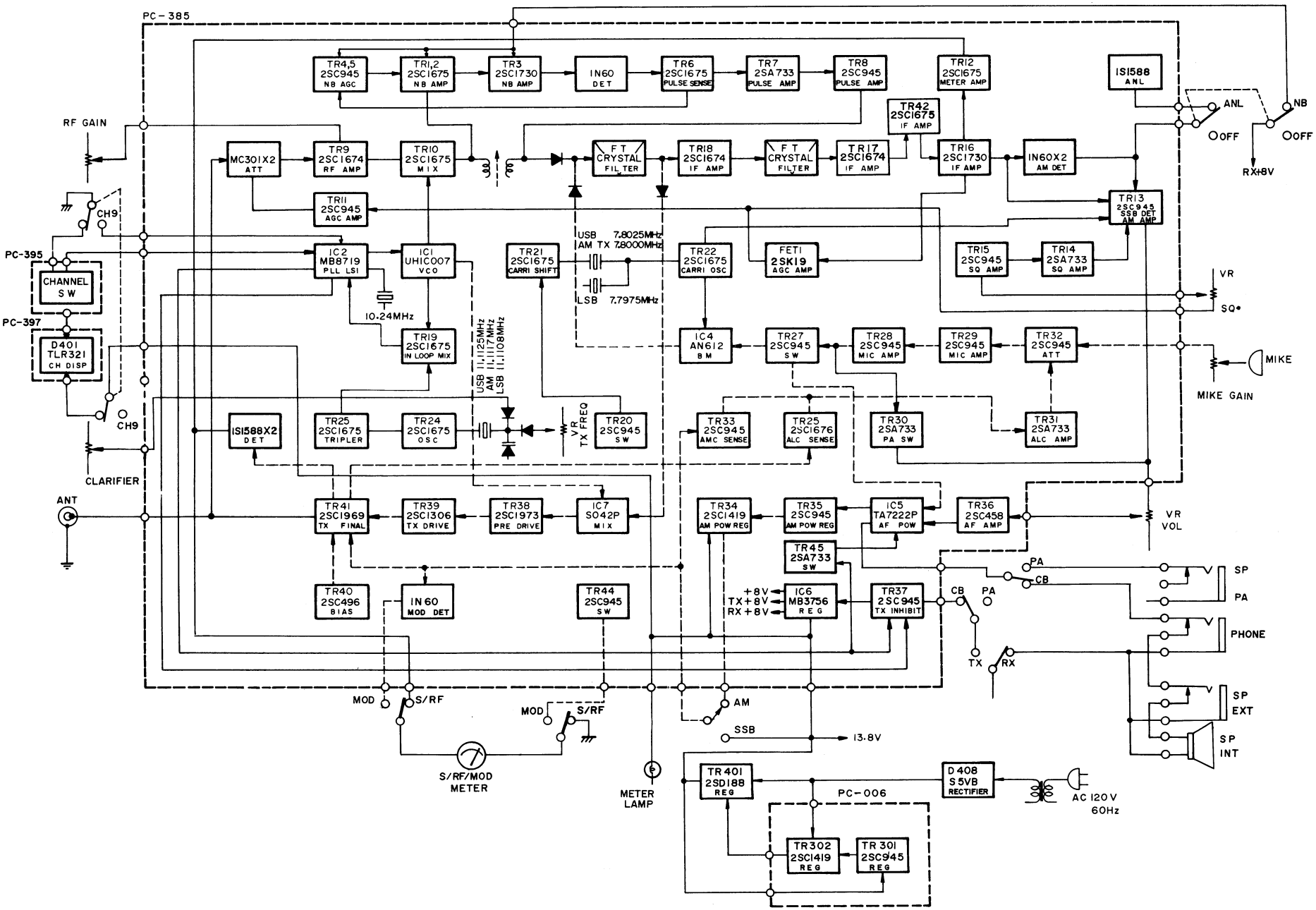BLOCK DIAGRAM FOR WASHINGTON