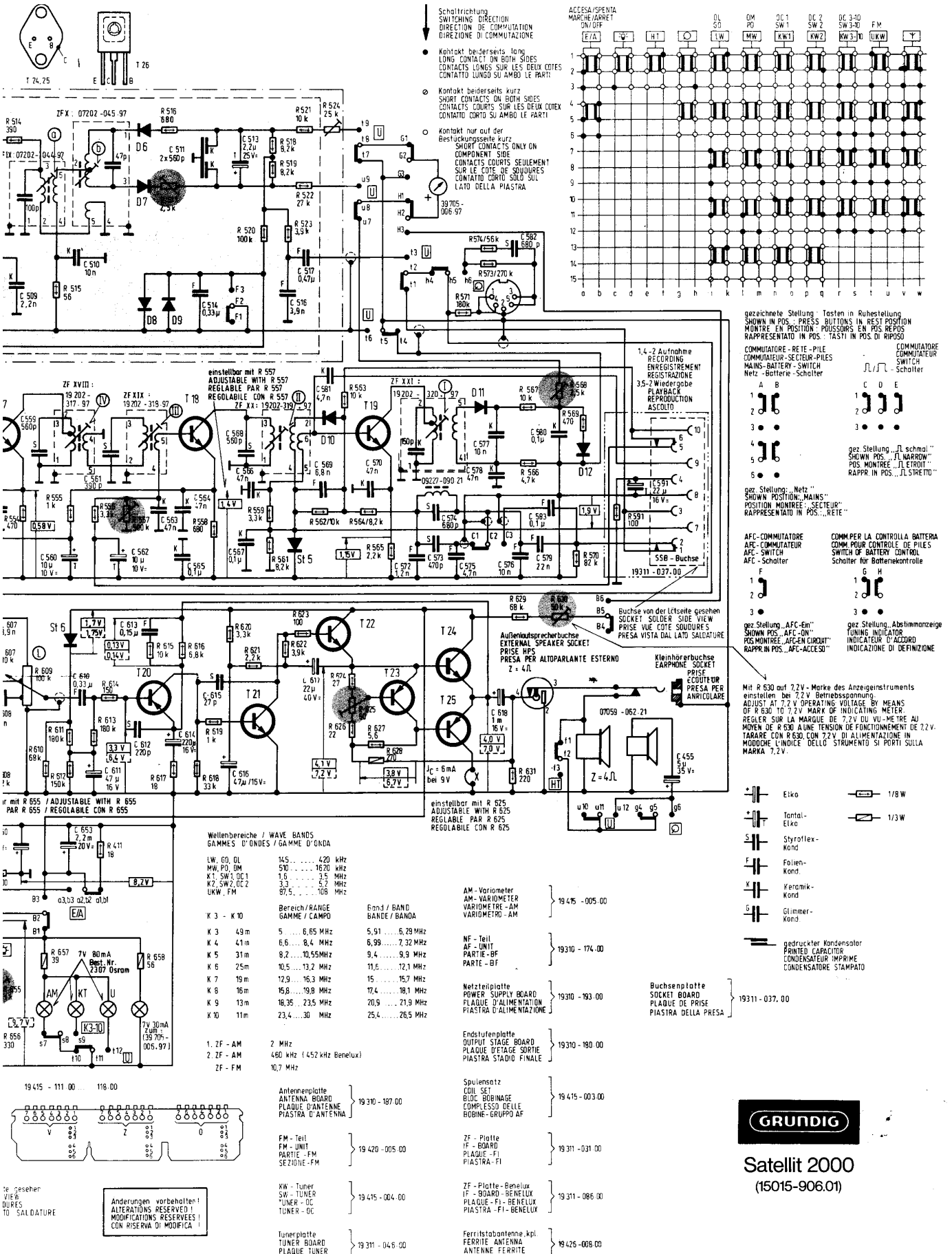for www.radiomuseum.org