



YAESU ELECTRONICS CORPORATION  
 6851 Waltham Way  
 P.O. Box 49  
 Paramount, California 90723  
 Telephone (213) 633-4007

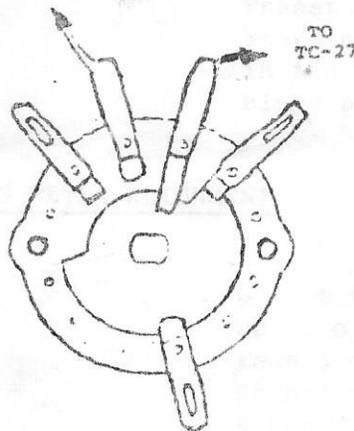
TWX: 910-346-7624  
 (YAESU USA PMNT)

# TECHNICAL BULLETIN

FT-101 SERIES NEUTRALIZATION  
 CIRCUIT UPDATE CA:205

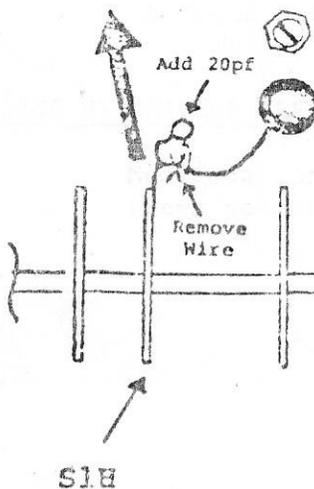
With the discontinuation of the 6JS6C tubes from the Toshiba and NEC product line, it is being found very desirable to use the domestic tubes found quite commonly here in the U.S. such as Sylvania, General Electric, and so on. With the inter-electrode capacitance characteristics of these tubes, the information below will ensure sufficient range of the neutralization capacitor (TC-27 in the FT-101 series) whereas the original circuit would not.

On the bottom side of the transceiver, locate the wire from the neutralization capacitor, TC-27, where it connects to bandswitch wafer S1H. Carefully un-solder and remove this wire from the wafer switch and add a 20pf 500V mica capacitor in series with this wire and re-connect it to the same point as it was removed on S1H.



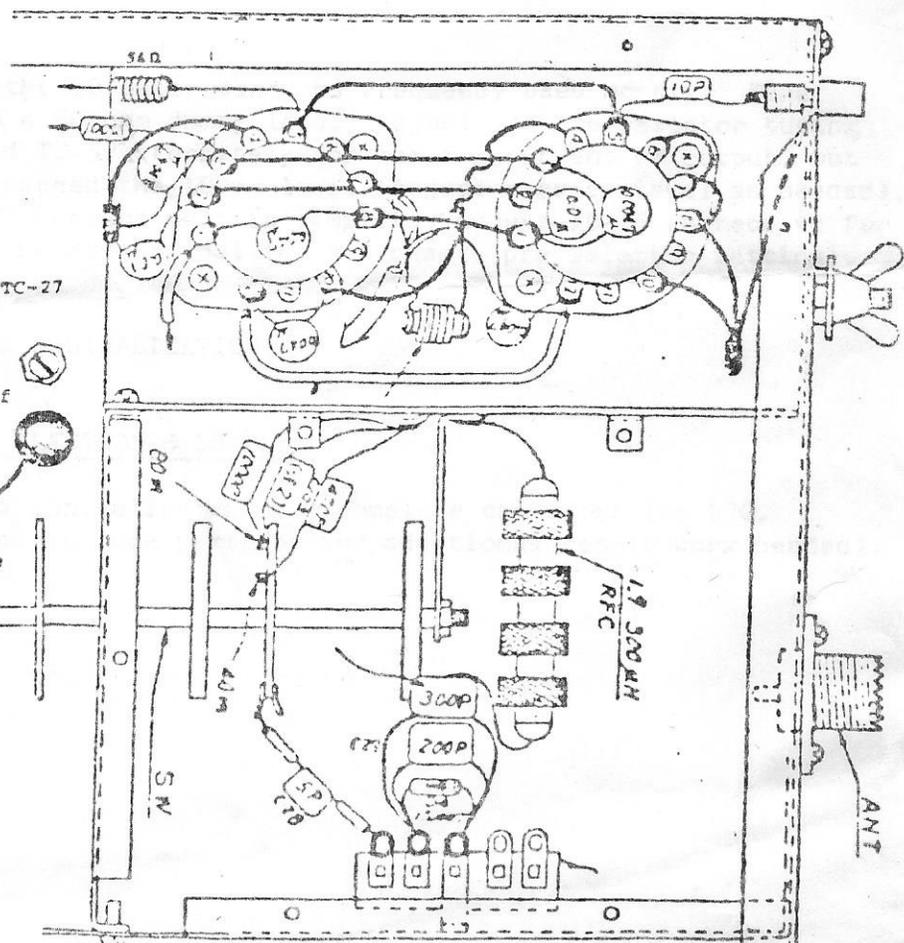
S1H VIEWED FROM THE BACK OF TRANSCEIVER

TC-27



9th Wafer from the front of transceiver

FT-101 SERIES CHASSIS  
 BOTTOM VIEW



TECHNICAL BULLETIN

YAESU FT-101 FINAL TUBE REPLACEMENT.

Japanese tubes 6JS6C are no longer available. The American tubes supplied will work properly with minor modification and re-alignment.

MODIFICATION: (Caution unplug FT-101 and discharge the high voltage circuits.)

Add the 20pf 500V mica capacitor as shown in the modification sheet attached. Alignment of the driver stage may be necessary.

ALIGNMENT OF DRIVER STAGE

Preset Neutralization Capacitor, TC-27, to 1/3 mesh, before starting alignment and neutralization. Follow alignment in the book except for 10 meter alignment. Do not adjust the slugs of the pre-selector rack.

10 METER ALIGNMENT

Select the 10 meter band and frequency used mostly. Tune up into a 50 ohm dummy load. Adjust the pre-selector tuning knob and TC-5 alternately for maximum current or output, but do not exceed the 100ma limit (Adjust carrier level as needed). After TC-5 adjustment is complete, adjust TC-15 in receive for maximum receive signal (do not change pre-selector setting).

RE-CHECK NEUTRALIZATION!

IF WORK DONE BY AMATEUR ELECTRONIC SUPPLY

Modification, alignment and complete check out for \$30.  
(Does not include parts or any additional repair work needed).