

SuperStar 3900 (High Band)

Things to check before applying power.

Serial no. 200341, out of the box:

Surprise! - NO, transmit, receive, the meter light worked?

Found following bad: TR41, 2SA473 - Open? Replaced with 2SA490,  
(2SA473, 10W/3A; 2SA490, 25W/3A). Direct ECG replacement is ECG153.

Other discrepancies noted were LARGE White insulators on the driver and final, (same as the Excalibur SSB).

TP9 was bent over, checked on etch side and solder joint broken (one side) - removed, straightened, replaced.

J21 pushed over near D73. C81 was cut out of the chassis; piece of wire lead left hanging; removed it before it shorted out TR49.

REVIEW the SuperStar 3600/Excalibur SSB (pg. 24) for other items to check. See board layout 'A, B, and C' as these and other parts are in the circuit. No component numbers are listed on PCB.

---

---

HAM INTERNATIONAL UK, Md1. 120FM

Alignment/Frequency Modification

VR1-TX Mtr.; VR2-Sq Rng.; VR3-RX Mtr.; VR10-FM Insertion;  
VR11-High Pwr AMC; VR12-Mid Pwr AMC; VR13-Low Pwr AMC;  
VR14-Mid RF Pwr Level; VR15-Low RF Pwr Level.  
TX Peak: L8, L9, L10, L12, L15, and L16.  
RX Peak: L18, L19, L20, L22, L23, and L24.

Xtals X2, X3, and X4 may be removed and replaced with any in chart below for different frequencies/range. (\*)in unit at present time...

<u>Frequency Range</u>	<u>Xtal Fo.</u>	<u>Frequency Range</u>	<u>Xtal Fo.</u>
29.665-30.105 .....	18.06	26.515-26.955 .....	14.91
29.215-29.655 .....	17.61	26.065-26.505 .....	14.46
28.765-29.205 .....	17.16	25.615-26.055 .....	14.01
28.315-28.755 .....	16.71	25.165-25.605 .....	13.56
27.865-28.305 .....	16.26*	24.715-25.155 .....	13.11
27.415-27.855 .....	15.81*	24.265-24.705 .....	12.66
26.965-27.405 .....	15.36*	23.815-24.245 .....	12.21

This is not to say unit will operate at all these Fo ranges, but should give no problems within a 1.3MHz bandwidth.