

AX43/Seahawk 40/PC43 (TC9106B-PLL)

'Rough' Alignment Procedure

PLL: A. TP1, Ch. 40, TX; adjust L5 for 3.5VDC.

B. TP2 (R10), Ch. 40, RX; adjust L6 for max scope indication.

RECEIVE: A. Adjust for max audio using Sig Gen at Ch. 20; L1, L2, L3, and L4.

B. VR1 - RX Mtr., VR2 - Sq Rng.

TRANSMIT: A. Peak for max RF at Ch. 20; L7, L8, L9, and L12.

B. VR3 - TX Mtr.

\* \* \* \* \* WEATHER SECTION - RX ALIGNMENT \* \* \* \* \*

A. WX mode to WX3; scope and counter to TP201. Adjust L202 for max scope indication, then adjust CCW two (2) rotations. Freq. should be 50.593MHz ( +/- 2KHz).

B. WX1; check for 50.618MHz.

C. WX2; check for 50.568MHz.

D. WX3, Sig Gen to Ant Jack with 162.475MHz, scope to TP202.

E. Adjust L203, L204, L205 and L207 for max scope indication.

F. VR201 full turn CW, adjust L208 for max audio.

G. VR201, adjust for no audio signal.

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AX44/PC66 (TC9106BP-PLL)

'Rough' Alignment Procedure

PLL: A. TP2 (Pin 7, IC3), TX, Ch. 40; adjust L15 for 3.0VDC.

B. TP3 (secondary of L16), TX, Ch. 40; adjust L16 for max scope indication.

RECEIVE: A. Peak for max audio using Sig Gen at Ch. 20; L1, L2, L3, L4, L5, L6, and L7.

B. Set Sig Gen output level to 0.4<sub>m</sub>V.; adjust VR2 for 2V audio.

C. VR4 - Sq Rng., VR1 - S Mtr.

TRANSMIT: A. Peak for max RF at Ch. 20; L17, L18, L10, and L14.

B. VR5 - AMC (defeat is C70), VR3 - TX Mtr.