

3 KHz filter for Drake R-4C, R-7, TR-7

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Sharp AM filter now available! Ideal for SWLing. Cuts QRM!

Unexcelled under heavy broadcast interference.

Can be utilized in any mode in R-7 or TR-7. Its wide SSB bandwidth ideal for giving critical audio reports.

Easy to use:

- Plugs directly into the R-4C AM filter socket.
- Mounts directly on R-7 or TR-7 boards.
- Mounts directly on 7-SP processor board in place of CD-1.6K/8.

A must for the serious broadcast DXer. Recommended in 1980 World Radio TV Handbook, page 555.

3 kHz at -6 dB. 5.4 kHz at -60 dB. 8-poles.

CF-3K/8 for R-4C, or, CD-3K/8 for R-7, TR-7: \$80.00.

Optional two AM filter relay switch kit for R-4C: \$40.00.

Money back if not satisfied. Shipping U.S.A. \$3.00. Overseas air \$6.00.

FS-4 interface circuit

Tired of connecting the FS-4 injection cable each time you need general coverage, and then disconnecting it when you are through? Automatic relay switching controlled by FS-4 power switch provides the answer. Injection switch kit, \$25.00.

R-4C T-7C update modification

In later-vintage receivers, noise bandwidth of the third mixer, V-4, is reduced by switching to a high-Q tap on T-7C when the mode switch is in CW 0.5 or 0.25. This adjustment is quite sharp, and should be checked periodically in either of the two narrow CW positions.

When Drake first started using the new T-7C transformer, several dB of loss occurred in the two narrowest CW positions. This problem was later eliminated by replacing with RG-174/U the high-capacitance white-jacketed, color-coded audio cable from T-7C to the mode switch. C-49 (390 pF) was then increased to 430 pF. C-49 can be replaced, or an additional 39 pF capacitor can be soldered across the two T-7C terminals nearest its PC board.

R-4C - the ultimate in bandwidth optimization

Sherwood and Drake team up to provide:

AM: 6 kHz, 4 kHz, 3 kHz, 2 kHz.

SSB: 2.4 kHz, 2.0 kHz, 1.5 kHz. CW: 1500 Hz, 600 Hz, 500 Hz, 250 Hz, 125 Hz.

Full-line r-4c filters now available

AM: CF-6K /8, CF-4K/8, CF-3K/8 8-pole plugin filters: \$80.00.

SSB: See our CF-2K/16 sixteen pole filter on previous page.

CW: CF-500/8 and CF-250/8 8-pole accessory plugin filters: \$80.00.

TL442 product detector component update

We are now recommending two minor modifications to our original TL442 product detector circuit. The jumper wire used in place of C83 should be replaced with a 1200-ohm resistor to provide the correct frequency response. Also, some sets may need a 500-uF decoupling capacitor at pin 2 of the TL442 and a 470-ohm resistor to reduce hum if the new regulator circuit is not used. Otherwise, a 100-uF capacitor and 100ohm resistor will be adequate.

R-4C PTO output circuit change

R-4Cs starting about serial number 25,000 had the PTO output pinetwork capacitor, C119, changed from 390 pF to 620 pF. In some sets this change reduced first-mixer injection to the point that gain and sensitivity were significantly reduced. When using the SSB filter, the preselector peak on 10 meters, with no antenna connected, was reduced to as low as 2 dB. The preselect or noise peak, as measured with a voltmeter connected to the anti-vox jack, should be at least 6 dB. Change 0119, located on the front-panel end of the audio-amplifier board, back to a 390-pF mica if a poor peak exists in your set after normal alignment procedures have been followed.