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Hammarlund hq-129x manual pdf

Alvin Bernard, N4In4q@juno.com Pete Markavage, WA2CWA, Handman pmarkavage@juno.com Both of these companies can supply copies that rival the look of the original. Contact them for details and prices. MODEL TRIVIAL INFO: 'DATES' ARE , FIRST - DATES ADVERTISED Hammarlund/Roberts How to build a five-tube receiver 1925: photo on the page PICS Hammarlund/Roberts How to build a Hi-th receiver with the addition of 1926 Hammarlund/Roberts Construction Manual Custom-Built Hi-1927 The Comet Series ran from 4/1932 - 2/1935 Comet Pro 2nd edition of Crystal Pro Comet Pro 3rd Edition AVC Pro Comet Pro 4th Edition Xtal/AVC Pro Four 20 and Four 11 Transmitter and Modulator. . . 5/1947 - 11/1947... corresponding receiver H-129X HC-10 5/1957 - 7/1959 DOWNLOAD 1.5MB H-66 NEVER MADE, NO PROTO-TYPE, 540KH' - 30 MHZ LITTLE H-88-PROTO-TYPE ONLY, WIDELY ADVERTISED THO'. 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The first ads proclaim the H-129 to be essentially the same as the H-120, but has several improvements and modifications. The prototype H-129X, similar to the modified H-120X, appeared in November 1945 in a full-page ad for Radio News (p. 24). The first photograph of the HG-129, taken the following month (December 1945, p. 24). Note that the ad makes it obvious that the price corresponds to the model number. Post-war inflation forced the initial price of \$129 plus \$10.50 for a presenter in an allied Radio News ad in February 1946 (left) to increase to \$173.25 with the Speaker in an Allied advertisement in December 1946 (right). An overview article discussing the noise limit scheme can be found in the journal FTA, June 1946. The H-129X is a solid well-designed radio that intentionally separates bands, including the AM broadcasting group, so that amateur radio sections of shortwave bands will be favored. A special assembly of the tuning cover with 6 sections of the tuning cover and 9 sections of the lid was developed especially for the receiver. The stripes are marked with ham ranges of 80 to 10 meters high. Very simple fly wheels weighted dual control settings and the mechanics of the H-129X are among the easiest to use and have about the least reaction of any receiver connection I have experienced. No cords or springs for stretching and The build quality and electronic design of the H-129X make it one of the best in the era for money (at least if bought before that 28% price increase!) except for those wimpy handles the vast majority of H-129X receivers I've seen have tuning handles replaced and often RF and get audio control handles as well. The owners of the H-129X have replaced the handles with larger ones, heavy ones for a more durable feel. Even the pre-war H-120X handles are more significant than the H-129X. Aside from perhaps for a modified cosmetic post-war look and feel probably on the designer's recommendation of the front panel, I always wondered why Hammarlund went with light wimpy handles. Hamfest conditions I repaired a couple of these sets a few years ago. This example appeared at the ham radio swapmeet. He was in a rough state, especially his office, which was two tone green and rust. The chassis didn't look much better. It came with a speaker in the same green and rust color with the speaker cone destroyed. I suggested to the seller that the radio showed promise because the front panel was in decent condition and would clean up well, but although I like the H-129X, I told him that I really didn't need another one. He's back with: You can get it for --- dollars. I said, Oh, you're twisting my hand. You know, I can't leave it here at such a low price. So in the trunk of my car, he went. I suspect he may have been subjected to hamfest wise cracks about the state of the radio. The repair scheme can be found on the EB5AGV website at this link. The guide can be found on the BAMA website. See my homepage here. This set came with a broken power fork. This was not a problem since I planned to replace the power cord anyway with a new three-wire cord. I powered up the set slowly, but the electrolytic would not reform. In fact, it started to heat up, pointing to a serious leak. I replaced it with a new old electrolytic stock that tested fine and reformed almost immediately. The original cover had three sections out of 10 MFD and a low-voltage cathode bypass section. The replacement had four sections of 20 MFDs and was about the same size. Control over russia's profits is not working as it should. Deoxyte didn't help. When I opened it, I found a broken spiral wire inside that connects the moving contact to the central terminal. Holding wires in the proper place on a moving contact solve this problem. I noticed that the volume on the set was pretty low, although the S-meter read full-blown on strong signals. There are only three tubes in the detector and an audio chain. The 6V6 and 6SN7 were in good condition. The problem turned out to be a very weak 6H6, a problem I had only experienced once before. Replacing it has brought the volume level to expectations. H-129X with some of the parts that replaced I replaced all the capacitors 0.02, most of which used in high-voltage applications, such as screen bypass covers. I also replaced several resistors including one that was hacked into two. I left some of the 0.05 MFD original caps in the set. They are used as bypass caps in low-voltage cathode circuits where steam mego leak will have no impact on the circuit. The radio even has a 0.05 cover through the audio secondary (through the 6 ohm speaker line). I couldn't think of any logical reason to replace it. Leaving some of the original caps in the chosen low impedance, the low voltage ground holds only a little original chassis lower appearance. One of the two (non-original) tuning handles has its handle-handle broken. I found a suitable pen in boxe de junque. Plastic feeds (tuning windows with central lines) are yellowed and crazy, so the dials can no longer be visible clearly. Cleaning and polishing does not solve the problem. I made a replacement for the pair. The original PM speaker has been replaced by another of similar vintage. Deoxidized on the controls and tube pins, lubricating some moving parts, and obviously some paint completed the repair. The alignment of the H-129X, like all radios with a crystalline filter in the IF circuit, should have it IF aligned to crystalline frequency, even if the crystal is not ideal on the preferred IF, in this case 455 KHz. Note that the full IF alignment in accordance with Hammarlund requires a sweep of the generator and scope to adjust the lane passage. With the crystal filter turned on, I used an unaltered signal and carefully watched the S-metro to pass the signal. The tuning dial was at the bottom of the broadcasting strip, as suggested by Hammarlund's instructions on alignment. I shortened the output of the signal generator so that with maximum RF gain, I could still see the S-meter signal but not overload the IF circuit. While watching the S-meter, I tuned a little up the dial to see if any changes would occur. Without changes in the S-meter readings, I was sure that the receiver only responds to the signal in the IF circuit at crystalline frequency. Taking note of the frequency displayed on my counter, I touched the IF circuit to this parameter. Most of the adjustments were already or very close. Only one adjustment was a quarter turn or so of the peak. I'll go back to the S-F alignment at a later date with a quality sweep generator. I then leveled the RF section. The large easy-to-reach section of the RF H-129X makes this part one of the easiest to align among communication receivers. The receiver can be easily installed with excellent set accuracy. The only question I encountered was the 30 MHz setting on the highest band. I had two signals of roughly the same strength. One of them was oscillator setting, which was the frequency IF higher than 30 MHz, and another frequency IF below 30. Which one to use? I returned to the low side of the highest high and tried to adjust the oscillator coils to the tuned frequency plus IF. It won't align that high. Conclusion, the correct essiler setting for the highest band is the IF frequency under the dial setting. The receiver has a modification that connects a thin coaxial piece from the converter plate to the back of the coaxial connector. Since this modification will be useful for connecting the panadaptor, I left it in. I suspect that may have also been the intention of the original owner. Performance I've never been disappointed with properly running the H-129X. In fact, I would like one when I first listened to shortwave and ham bands as a child. SSB and CW on lower ham bands, as well as international shortwave broadcasts are easy to set up. The receiver is stable enough after heating partly because of the voltage regulator tube. Correct RF alignment can make the setting pretty accurate. In addition, the H-129X and its older brother H-120X are perfectly connected to the DX-ing ether group if connected to the floor of a decent antenna. The radio is conservatively built and should give many more years of good service. The headquarters of the 129X was followed by the headquarters of the 140 and then the headquarters of the 150. All of them are excellent sets, but are limited by a single-conversion design. Later the great Hammarlunds went to double conversion for the upper bands. Previous H-129X receivers as noted, this is not my first H-129X. I repaired these other H-129X receivers a few years ago. They have appeared on my site since the time when small photos were the norm. The round handles are original. The white stripes in the tuning handle groove are probably not original. I left white lines because I like the look. The far left and bottom right of the pointer handles are also original. Other pointer handles are similar to the originals. Note that all front markings on this H-129X, as shown above, are in white. The earlier panel style was called Hammarlund and the H-129X in red-orange with all the other front white markings. The front panel of the H-129X pictured below is an older two-tone style. The two large settings pens on the receiver below are not original. All other pens are original. The third variation had the name Hammarlund and the model number in black. This December 1946 radio cover photo clearly shows the number of the H-129X on the panel in red and orange. The photo shows a radio collected at the Hammarlund factory. Because of this picture, I assume that the red-orange color is the oldest version. Here's a link to Jim Hanlon's excellent review of headquarters-129X in the Old Timer bulletin. 1998, updated 5-5-11 zenith 5G500 and 6G501M Universal 3-way portable with Wavemagnet antenna previous elements on the bench. Go back to the BA Pix homepage. </</</ hammarlund hq-129x manual pdf

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