

Chapter 1 : Antique Radio Forums - View topic - Knight B Tube Tester basic questions/calibration

tube tester condensed instruction manual, all pertinent data includes; operating instructions, calibration, wiring diagrams, parts list & schematic Re-Mastered reprint, comb bound with card stock cover.

Found records in Search of Tubes Asylum. I can give you a little history on Knight. What is this knight worth? I say, restore it, Most Knight equipment has good sound, and look good. Anyone have a schematic for Knight KU45 One member tried to help me out but the schematic was for a Knight KU45A. Knight integrated amp Knight made a number of models of integrated amps. Have you looked in on the Knight bulletin board??? Knight Hi-Fi 10 watt amplifier 9. The Sams Photofact index lists both model number and catalog number Available cheap on eBay and does simple emission testing. I rely on in-circuit operation otherwise. Dyna Output Transformers 8. That's why they are cloned. I still believe the Eico and the Knight were superior overall. Look what a used Eico hf87 brings and a Knight Tube testing settings for Knight tester 8. Measuring true Gm with Knight B? Bench RAT true transconductance tube tester which I often use. What I think is the most important measure for me, is to get a reasonable precise transconductance Gm value of the Cost wise, it's about the same. What puzzles me is the Eico and the Knight was much more amplifier and they were both 18 and 27 dollars less money and these amps are all 3 the same vintage and Posted by Mista T on , Knight integrated amp 8. Ebay does care about buyers confidence 8. Thanks, Rick Knight r It looked a lot like an ST It was clean and quite. Knight KGB tube tester 8. Tokyo Tube Festival - September 8. Did you run across anything especially interesting? Cathode emission drops with age and use, as does transconductance, though not necessarily proportionately. And of course, is of If I need more testing than that, I test in the actual circuit. Knight Hi-Fi 10 watt amplifier 8. Where would I find the model number? I looked all over the chassis since I knew it would help. My biggest worry is the preamp section. Yes, lots of room to mess around there: Knight KN Info needed please. Help with Knight KGB tube tester 8. The manual does not list the 6DJ8. Is there a way to test this tube in this tester? The mate to the Knight KB85 amp 8. I have a pair of them upgraded with piors and new filter caps and el37 mullards and they are stunning in everyway. I ever had was a Knight-Kit Integrated amp. At the same price, I can choose between Bogen rp60 receiver and Knight KN integrate amp Can you give advice? Please Recommend Budget Tube Tester 8. In the "old" days I have seen many Knight branded tubes, that I think are Mullards. Posted by Dwight St on , Mine has a silver face, I think there was an electronically identical unit with a gold tone face. Anybody got a sch Here are the three budget priced amps of yesteryear 7. Look at the difference in the amps side by side. Diode and Knight - Eico similarites? What is the diode you mean connected to? I assembled the amp. You ought to have a performer there. Chassis has lots of room I just won top bid on ebay for my first tube amp ever. Did I do OK? It uses 6 12AX7 1 5AR4 an It appears identical except for one extra switch on the front which I believe is for AM phase. Power transformer numbers are: Two old Tube Amps Need Info 7. Need Supplemental Data for Knight B! I just got my Knight B tester. It has the roll charts, but it is missing the supplemental data book! I am having a hell of a time finding one of these. Would anyone have a copy of it or Anyone know tube testers?? It enables you to find out whether the tube conducts to the cathode of the tube. The more valuable and useful type of tester is the mutual conductance tester. Knight KB KB85 tube amp assembly manual 7. Schematic Knight KU Receiver 7. The unit has output tubes. Even just a proper tube layout would be great because when I received the unit there is no tube lay The rectifier tube just about complete I was about to start in on the s and 6GH8As, and could not find either listed on the original rolling ch Hmmm I agree 6. I don't like it or the Fisher X and even tho I have seen them go for or so it was for the transformers. As I look at my amp collection more and more like my Knight kb I have a few testers. A cheap tube tester that is reasonably accurate in some areas is the la Knight tube tester help Please.. I have an old Knight From what I was able to ascertain on the web, it's a model so Allied Radio had an electronics catalog about as big as a Sears Roebuck catalog. They not only sold their brand but about every other brand of electronics as Knight KN schematic wanted 6. I did a little bit of work replaced a bad bias resistor and replaced the old coupling caps in the output section with orange drops A way to get a manual 6. Now you know where yours went The data I have: Then the instructions tel The diode

cathode connects to the junction of a 47K and the wiper of a 1. How hot is too hot for a transformer to run?

Chapter 2 : Knight A tube tester

Manual for Accurate Instrument Model Tube Tester + Supplements. \$ Knight VMT Radio /TV Vacuum Tube Testor Allied Radio Corp. CAN BE CONVERTED TO PDF) ALL LAMPS/INDICATORS WORK AND SO DO.

Your tube tester is often the first test instrument that you reach for when diagnosing problems in tube gear. All tube testers are a compromise in functionality, compromise in accuracy, and none are perfect. No models test for all tube characteristics. Not even the tube manufacturers themselves had test equipment that could detect all bad tubes, or verify all good tubes, or test for all tube characteristics. Tube testers do a very good job in this role. However, many people do not use a tube tester properly, do not interpret the results correctly, or have unreasonable expectations of them. Other people have developed poor workflow habits that need to be improved. While each tube tester has different capabilities and therefore different operating instructions, here are my thoughts regarding tubes, testing, and all tube testers in general. In the article, the author Walter Swontek argues that a primary value in having a tube tester was as a tube-selling aid. Swontek also correctly observes that a tube tester should be looked upon as a fact-indicating device "not as a judge. The results must be interpreted and judged, no different than you would with a voltmeter or other test equipment. Actually, in real life, very few things are definitely good or clearly-and-undeniably bad. He puts the tube tester on a pedestal as a tin god or supreme judge of all tubes. His tube worries are over! All goes well for a while, and the novice is a rabid tester of tubes. His faith is implicit. He supports the tester ardently in discussions with more experienced technicians. The, one fatal day, the tube tester misses a bad tube. The bad tube is reinserted in the set and troubleshooting begins. All bad parts are replaced; everything is tested. The stubborn symptoms refuse to disappear. The technician becomes a nervous wreck. Finally, the help of a more experienced friend is sought. The friend swaps tubes and presto, the trouble is cleared. His friend just laughs with that horrible, superior air. Swontek could hardly have known how prescient his words would be. Everyday on chat forums, you find fanboys of this-or-that-model tube tester, discussing their tin god as the arbiter of tube testing excellence, but without themselves having any real expertise regarding the technicalities of its test circuit, the strengths or weaknesses of their model and the weaknesses are many, nor any real knowledge of how tubes work. Finally, Swontek also agrees that the Shorts test is of far more value than the emission or transconductance test.

Chapter 3 : My Knight Tube Tester â€“ Jimmy's Junkyard

A friend dropped off this Knight B tube tester that wasn't working properly. Can I get it working properly?

Jan Sun 20, 4: Jun Fri 19, 6: Long Island The Knight B is a product of the s, and as such, one would expect the resistors to be more stable than older carbon resistors, which wandered all over the lot. When you say the resistors are out of spec, are you including their tolerances? The lone capacitor is a 0. It does not affect meter readings one way or the other. But it is important to have a shorts test that works! Gas in tubes is a bigger subject than can be covered in one post. It is a symptom that has multiple causes. The basic idea is that if gas has gotten into a tube somehow, it will cause grid current to flow once the gas has ionized. Other defects can cause grid current as well, which is what makes it so tricky. But the Knight B is one of the few emission testers that really does test for gas, and displays the results on its meter. Try it in circuit to verify. What I usually do with tubes that test bad on emission, but pass the shorts and gas tests, is to replace them with known good tubes temporarily. This way, I know the lack of emission in the tubes is not responsible for the circuit malfunction I am trying to troubleshoot. Once the circuit is fixed, I go back and try the low emission tubes again. If the circuit continues to operate with no discernable difference in performance, I leave them. This should take care of any variations in transformer voltage due to different tube heater requirements. A little dimming of the pilot lights is normal, but flickering is not. Probably the line voltage adjust rheostat is a little dirty.

Chapter 4 : Antique Radio Forums â€¢ View topic - Knight KGB tube tester, meter problem! & schematic ne

Knight-Kit Manuals. Looking for an old, out-of-print Knight-Kit manual? You've come to the right place.

All the testers compared favorably, certainly good enough for radio service work. No shorted elements were found with any of the test sets. The 12SG7 failed in all four checkers, while the 6F5 passed in all four checkers. The 35L6GT passed on the low side in three checkers, but got a marginal from the Eico. In general, the accuracy of an emission type service tester is only about 15 percent. The first class tests the ability of the cathode to emit electrons -- the emission tester. The second class tests tubes by giving an indication of how efficiently a tube operates as an amplifier -- the mutual conductance tester. The emission tester is a very simple design and tests total emission of the cathode by a DC test with the plate and all grids tied together. It is easy to use, inexpensive, and will locate weak or bad tubes quickly, about all you really need for radio repair work. One caveat here is that tube checkers vary in the type of tubes they will test. If your restoration work deals with radios from the early s, be sure the instrument you are considering will test the 4, 5, 6, or 7-pin tubes you need. The A does not test these older type tubes. An interior view of the A after restoration and the reworking of almost all solder connections was complete. Mutual conductance testers for the most part can be considered lab-type equipment, used to test quality, or the specification of new tubes. AC signals are applied to the tube under test which closely simulates actual operation conditions -- very useful if you intend to work on communications equipment. Mutual conductance tester cost runs into the hundreds of dollars. Helpful Testing Information Here are a few pointers that may improve your test results with a service type emissions tube checker: Allow tubes to warm up two to three minutes before testing. Test for leakage and shorts first. Stop the test if leakage or shorts are indicated. This will prevent test equipment damage. Tap the tube under test for leakage and shorts gently with your finger. This will reveal any loose elements. Unless directed otherwise by your manual, hold the test switch for about 15 seconds to allow the meter reading to stabilize. Summary For two dollars and a little work, I got a tube checker capable of testing about 1, tube types from the late s through the s. Although emission tube checkers only test for emission and shorts and not how the tube would function in a circuit, they are still a good choice for radio restoration. The majority of tube failures result from low cathode emission, open or shorted heaters. The emission tester is very effective in detecting these types of tube failures. Getting the most out of Vacuum Tubes. Howard Hood retired after 39 years as an electronic integrated systems mechanic for the Department of Defense. He began radio collecting in and specializes in wooden cabinet radios of the s and s.

Chapter 5 : Knight KGB - blog.quintoapp.com

The following tube tester manuals are available at any time. These are not simple photocopies. They are scanned into my computer, all of the stray lines, dots, etc. cleaned up and then printed on my Laserjet printer.

Chapter 6 : blog.quintoapp.com : Knight Manuals : Allied Radio Manuals : Knight-Kit Manuals

This is a knight tube tester for sale that is available for bidding now. Knight tube tester very good working condition. Got vintage knight - kit tube tester manuals.

Chapter 7 : Search of Tubes Asylum

Hey guys, I was wondering if anyone knew what model of tester this is and if anyone knew how to perform the gas and short test. I know how to do the emission test and the tester works good but no manual.

Chapter 8 : Knight Tube Tester A Equipment Allied Radio Corp.

DOWNLOAD PDF KNIGHT TUBE TESTER MANUAL

Hi, I have a Knight Tube Tester that does not have a model but looks like a series. Many of the tubes that I need to test are not listed on the roll chart or in the supplemental chart PDFs that I have found on the web.

Chapter 9 : KnightKit Test Equipment

*The Knight Kit A service-type tube tester by Allied Radio purchased at a Ham swap meet for two dollars. Restoration
The outside of the tester did not look too bad.*