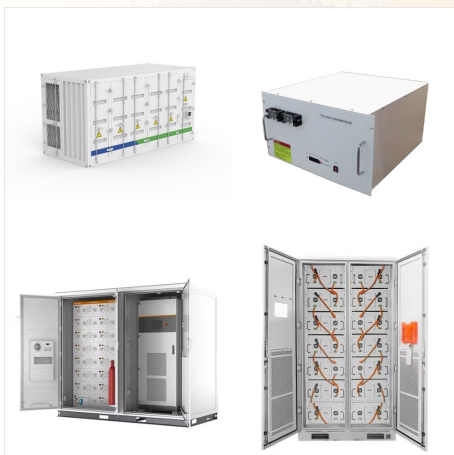




The Tung-Sol 12AX7 Preamp vacuum Tubes have a big, warm & musical sound that can help to improve the tone of any musical instrument or any Hi-Fi amp. Welcome to TubeDepot Javascript must be enabled to use this site.



Improved reissue of the Vintage NOS Tung Sol 12AX7. Compare with similar items. This Item. Tung-Sol 12AX7. Recommendations. Three Pack of JJ ECC82 / 12AU7 Preamp Vacuum Tube. dummy. Sovtek 12AX7LPS Vacuum Tube (Original Version) dummy. Electro-Harmonix 12AX7, Balanced Triodes. dummy. Tung-Sol 12AX7, Matched Quad. Try again! ???



I'm typically inclined to use the Sovtek 12AX7LPS for the phase-inverter (for any amp, that is), however I notice that Doc currently uses/recommends the Tung-Sol 12AX7 in the Remedy, which is distinctly different from almost every other amp on Doc's menu--for most of which he uses/recommends the tried & true Sovtek LPS for the P.I. So

# TUNG SOL 12AX7 IN PHASE INVERTER



My Z-28 came with a Tung Sol 12ax7 (that's what it is labeled) even though Dr Z's website and the tube chart in the amp say it should be a 5751. What tube do you use in the phase inverter? Route 66, Z-28, Carmen Ghia, MAZ 8, Z-Plus, Jetta, Z-Wreck Jr, Z-28 MKII, Z Verb 14 Guitars, 4 cabinets and 102 pedals (including a Z-Drive) brayks Z



The Phase inverter! Many people think that V1 (the first gain stage) is the most important tube in an amp. These generally used a 12AX7 in the phase inverter. There are many other differences in these amps but I will stick to the PI (phase inverter). These days there's one Tung Sol and three EH12ax7"s. Sounds open & crisp, to my ears.



ECC83-HARMA STR BALANCED Harma Valves  
Special balanced item with matched sections for use in phase inverter position, ECC83/  
12AX7A-TUNG SOL RI Tung-Sol RI The Tung sol  
ECC83/12AX7 is a remake of the classic American designed 12AX7 from the early 1960s. The valve displays a

# TUNG SOL 12AX7 IN PHASE INVERTER



The Sovtek line of tubes including Electro Harmonix, Tung Sol, Mullard, etc cannot handle high voltages on the cathode, that is why those tubes are a no no in cathode follower circuits. A cathodyne Phase inverter as stated above also has high voltages on the cathodes similar to cathode followers.

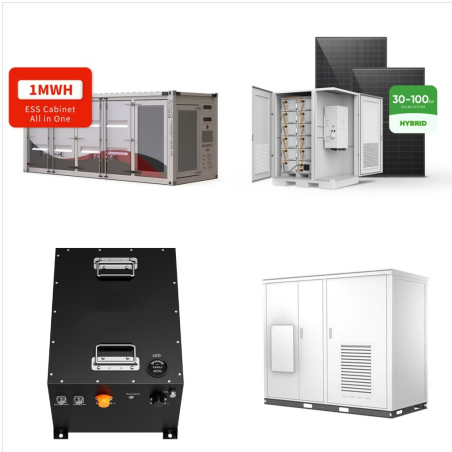


someone gave me a Russian gold lion and I'll be damned if it doesn't look the same inside and sounds about the same as Sovtek LPS I have. Both sound good to me in v1 with nice bass response. If you don't like it they make good phase inverters too I'm not sure but the tung sol 5751 I have looks really really similar in the inside too.

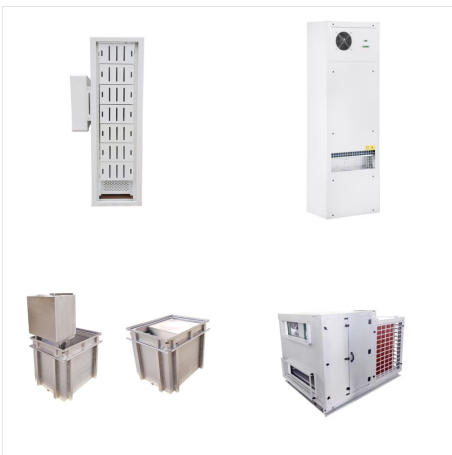


I ordered a matching triad of 2) Tung Sol 12AX7's gold pins and 1) Electro- Harmonix 12AX7 gold pins. I put the EH in V1 position and the Tung sol's in V2 & V3 position. The Electro-Harmonix is a well balanced tube and help tame the Tung Sol's High gain sound down the right amount. Hi's Mid's Lo's all there with a Tung Sol Punch.

# TUNG SOL 12AX7 IN PHASE INVERTER



If it's going to be pushed hard I really like Tung Sol. I have a pair of their vintage black plates in the phase splitter spots on my 500c and they will go forever and barely drift (for tubes). For normal applications I love the 60s Mullards. With ???



The Chinese 8 and 9 generation 12ax7 and JJ 12ax7"s( which are darker) will hold up better in the cathode follower and phase inverter section of the circuit due to the higher voltages being applied to the plates of the tubes.



Summary: Great choice for phase inverter position. The Review ??? Tung-Sol 12AX7 March 10, 2016; Fashion Week ??? Runway Worthy Headphones February 19, 2016; Guitar Effects Pedals ??? Tips On Setting Up Your Signal Chain February 16, 2016; Triode Roundup: Seven "Common Man" 300B Tubes Compared January 26, 2016;

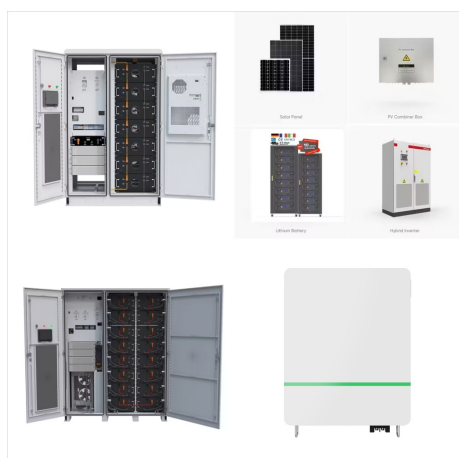
# TUNG SOL 12AX7 IN PHASE INVERTER



The gain factor (100) will be the same. There's no lower gain 12ax7 tube. A 5751 will "bias up" the same as a 12ax7 but has a gain factor of 70. That may work. Different brands of 12ax7's will sound different in the phase inverter spot.



tung-sol double triode miniature type unipotential cathodes 12ax7 bottom view small button 9 p in base series 12.6 volts 150 ma. heater parallel 6.5 volts or dc for 12.6 volt operation apply heater voltage between and 15. for 6.3 volt operation apply heater voltage between 19 and pins and connected together. any mounting position



Vintage US-made Tung-Sol 12AX7 came in at least three different distinct versions - two gray-plate, and one older black-plate. The gray-plate versions are not my preference over many other long-plate 12AX7 (Ken-Rad, Sylvania lbp & sbp, Raytheon b-p, several RCA, CBS lgp, Mullard lp, Valvo lp, La Radiotechnique lp, Sonotone lp, etc.) - but still



# TUNG SOL 12AX7 IN PHASE INVERTER



Tung-Sol 12AX7: Quantity: 4 Type: Matched Quad: \$90: Read Full Review Below: 7. Sovtek 12AX7LPS: Quantity: 2 Type: Matched Pair: \$45: Read Full Review Below: 8. Mullard 12AX7/CV4004  
The 12AU7 is also commonly used in a specific part of an amp, which is known as the phase inverter section. This vacuum tube is perfectly suited to this, as it



Here is more information on different preamp tubes.  
ECC83 - European designation for 12AX7 12AX7 -  
The 12AX7 is a high-mu twin triode which operates in typical service as a class A amplifier, in the preamp stages of high fidelity, musical instrument, and public address amps, as well as professional line and microphone preamps, and many other audio ???



In my TopHat Embassy one-off, I run an NOS RCA 12AX7 in V1, Ei ECC83 Long Plate in V2, balanced NOS RCA 12AX7 in V3 and a perfectly balanced NOS Grommes (Siemens) ECC83/12AX7 medium plate in the PI slot. I'm running 4 new issue Tung Sol 6V6s in the amp and it sounds stunning. Articulate and quiet as a mouse.

# TUNG SOL 12AX7 IN PHASE INVERTER



Perfect for phase inverter in a guitar amp or for use in Hi-Fi amps ; Will have test readings written on the box ; New Gain Matched Trio (3) Tung-Sol Reissue 12AX7 ECC83 Tubes - Authorized Dealer. \$80.00 \$ 80. 00. Get it as soon as Monday, Nov 11. Only 2 left in stock ???



Tung Sol 12AX7 re-issues for driver/phase inverter. I rely on Jim McShane to test and match them (if matching is needed). Jun 29, 2019 #3 Very few re issue 12ax7's will function in the Fisher phase inverter section correctly, hence the phase inverter mod that has been developed so any brand 12ax7 can be used. I have used tung sol's and

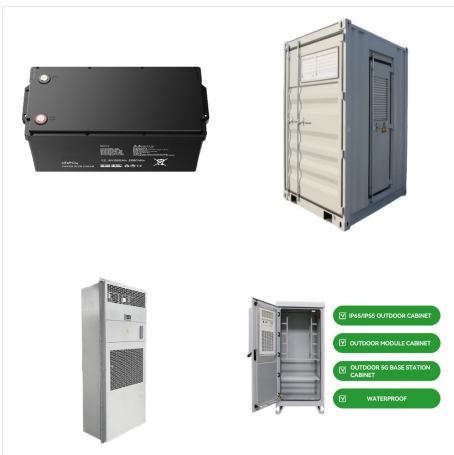


Today I substituted the JJ 12AT7 in the preamp for the Tung-sol 12AX7 preamp tubes in V1,V4. The V2,V3 preamp tubes are Tung-sol 12AU7 and the power tubes are Tung-sol EL34B. In guitar amps, it is commonly use as a phase inverter. I did not know quiet what to expect tone wise from this tube and was pleasantly surprised.

# TUNG SOL 12AX7 IN PHASE INVERTER



I recently swapped the phase inverter on my bassman clone for a CV4024 (12AT7) instead of the 12AX7. What a lovely warm tone. Slight drop in volume but worth the sacrifice. Anyone else tried this? Current Tube lineup is V1 CV4024, V2 JJ 12AX7S, V3 CV4024. 2 x TAD 6L6GC-STR RCA Blackplate replicas. Got a 6072 (12AT7) on order for V1 and hoping for ???



A lot depends on what you actually use the two sides of the tube to do. For driving a reverb or a tremelo, probably not so important. For a phase inverter, it is more important that the two halves be closely matched in output, whereas for preamp tubes, it is more important that they not be microphonic, especially in a combo, while a variance in output form one side to the ???



Tung Sol JTL 12AX7 grey plate, square getter in phase inverter section V12, V13 RCA 12AT7 black plate in multiplexer V102 Tung Sol 6AU6 square getter from the 1950s sounds about the same as the Telefunken. Bought a NOS quad of Tung Sol 6AU6 for \$13.00 Yes, the IF tubes do affect the FM sonics.



# TUNG SOL 12AX7 IN PHASE INVERTER



The Tung Sol 12AX7 preamp tube has the gain and drive of a Chinese 12AX7 and the pure tone of a Mullard or Brimar." According to the manufacturer, this Tungsol 12AX7 is the Ultimate 12AX7. Big, warm, and musical. High Gain, ultra-low microphonics, ???



Telefunken 12AX7 smooth plate. No experience with ribbed plate, but read about the same as smooth plate. Clear, detailed & musical. Adds the "rock" to rock & roll- a complete tube that falls in the center of different flavors. Tung Sol 12AX7 tall grey or black plate. Slightly less warm than Telefunken, warmer than Brimar & very clear sounding.