



45

Hand Crafted Tube Guitar Amplifier

VVT Amps

520 University Dr.
Waldorf, MD 20602
240-222-3830

www.vvtamps.com

Important Information:

1. Please read all of the information contained in this document.
2. **HUM** - Some hum or amplified noise is normal. As the volume is increased some amplified noise may be noticeable and will be more apparent in a small quiet room. Additionally, tubes have inherent noise as do resistors. However, excessive hum (noise) can be caused by electronic devices located near the amp or on the same circuit such as neon signs, fridges, fluorescent lights, computers, light dimmers, aquarium pumps, etc. Hum can vary with different outlets, rooms or buildings.
3. Do not operate this amp without a speaker load.
4. This amp is equipped with a 2A thermal circuit breaker instead of a fuse. If a problem develops with the amp, the circuit breaker will open and the amp will not operate until the circuit breaker is re-set. The circuit breaker is located on the bottom of the amp chassis behind the rectifier tube. After re-setting the circuit breaker, if the amp does not operate or continues to pop the breaker, the amp needs service.

CAUTION

RISK OF ELECTRIC SHOCK

WARNING: This guitar amplifier contains lethal HIGH VOLTAGE. To avoid risk of injury or death from electric shock, do not open the enclosure or remove the back cover from the amplifier. Refer all service work to qualified personnel.

WARNING: This amplifier contains Vacuum Tubes. Vacuum tubes are heated to produce electrical currents and they get HOT. Touching this surface could result in bodily injury. To reduce the risk of injury from a hot component, allow the surface to cool before touching. DO NOT touch or attempt to remove vacuum tubes until they have had time to cool.

IMPORTANT! FOR YOUR PROTECTION, PLEASE READ THE FOLLOWING:

WATER AND MOISTURE: This amplifier should not be used near water (near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc). Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.

POWER SOURCES: The amplifier should only be connected to a 120VAC household power source.

GROUNDING OR POLARIZATION: Precautions should be taken so that the grounding or polarization is not defeated. Do not remove the ground from the power cord.

POWER CORD PROTECTION: Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the amplifier.

SERVICING: You should not attempt to service this amp beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

FUSING: Your amplifier is equipped with a thermal circuit breaker located on the bottom of the chassis behind the rectifier tube.

MAINTAINING YOUR AMPLIFIER

1. Conductive foreign objects could produce a short circuit that could cause fire, electric shock, or damage to your amplifier. Avoid spilling liquids or allowing any other foreign matter inside the unit. The panel of your unit can be wiped from time to time with a dry or slightly damp cloth in order to remove dust and bring back the new look. As with all electronic equipment, avoid prolonged use in caustic environments (salt air). If used in such an environment, be sure the amplifier is adequately protected.

2. Your amp was designed for an 8 Ohm speaker load. The speaker load is reflected back to the primary of the output transformer and output tubes. **DO NOT** operate this amplifier with any speaker load other than that specified. **DO NOT** operate this amp without a speaker load. Failure to follow these instructions could seriously damage your amp and may void any warranty.

3. The vacuum tubes in your amplifier are not solid state devices. They do, and will wear out over time. The life expectancy of the tubes depends on the amount of time you use your amplifier. If you replace your tubes they should be replaced with the same type as originally installed. VVT Amps only guarantees tubes originally installed/delivered with the amplifier.

4. The tolex fabric covering the cabinet should be cleaned periodically with a soft damp cloth. Make sure that the amp is turned off and unplugged before cleaning the cabinet. **Do NOT** use spray cleaners as overspray may cause corrosion of the faceplate, chassis, or electrical components. Avoid prolonged exposure to sunlight. Do not allow the amplifier to get wet. Don't set your drink on it either. Use care when moving or storing the amp; the tolex could rip or tear. Accidental damage to the cabinet or tolex is not covered by your warranty.

USING YOUR AMPLIFIER

1. **POWER** Switch: In the ON position Applies AC power to the transformer. In the OFF position removes power from the transformer.
2. **STANDBY** Switch: In the OFF position, the STANDBY Switch allows AC voltage to the tube filaments but stops DC voltages to the tubes. When you turn the amp on, allow the tubes to warm up 10 or 15 seconds before placing the STANDBY switch in the ON position. The amp will not operate unless the STANDBY switch is in the ON position.
3. **INPUT** Jack: Guitar input
4. **BRIGHT** Switch: Down – Normal; Up – Bright
5. **JUMP** Switch: Down – Normal; Up jumpers both channels
6. **VOLUME** Control: Controls the gain of the preamp and volume of the guitar or instruments plugged into the INPUT Jack. When the JUMP Switch is up this controls the volume of gain stages.
7. **BUMP** Switch: Adds a fixed amount of gain.
8. **TONE** Controls: Treble, Middle, Bass.\
9. **MASTER VOLUME**: When switched on, this controls the overall volume of the amplifier. If the MV is switch off it is removed from the circuit and is non-functional.
9. **PRESENCE** Control: Adjusts the perceived frequency response of the output stage.

IF YOUR AMPLIFIER WILL NOT TURN ON

Check the power to the unit. Check for tripped household circuit breakers, unplugged extension cords or power-strip switches that may be turned off. Check the amps circuit breaker located behind the 5U4 Rectifier tube. If the breaker is popped, re-set the breaker and test your amp. If the circuit breaker continues to pop the amp need service. Also, check your input and speaker output cables.

VVT Amps wants you to be happy with your amp so, if there are certain tonal characteristics that you desire, we will assist you in those endeavors and make every effort to help you get your mojo. There are many options for capacitors, transformers, and speakers available at prices ranging from modest to outrageous. All of these components affect the tone of your amplifier. Let us know if we can help.

About VVT Amplifiers

VVT Amplifiers makes vintage and modern style tube guitar amplifiers available to those musicians who want great guitar tone . The VVT Amps workshop is located at:

520 University Dr.
Waldorf, MD 20602
(240) 222-3830

All VVT amps are built by hand. We also make cabinets and chassis for our custom amps. We use various sources for vintage reproduction cabinets and chassis that we believe offer the best durability, value, and style.

VVT Amps does not service solid state equipment of any brand

Nighthawk Amp

LIMITED WARRANTY

This amp is guaranteed against failure. Vacuum tubes are guaranteed for 60 DAYS from the date of purchase. If a tube fails within the 60 day period, VVT Amps will replace the tube at no charge. The speaker is guaranteed for ONE YEAR. All other electronic components are guaranteed for FIVE YEARS. VVT Amps will service your amplifier and supply all parts at no charge providing the unit is under warranty. Any shipping costs associated with repairs are your responsibility. VVT Amps DOES NOT PAY FOR PARTS OR SERVICE OTHER THAN OUR OWN. A COPY OF THE ORIGINAL SALES RECEIPT IS REQUIRED TO VERIFY YOUR WARRANTY. VVT Amps assumes no responsibility for external speakers or other equipment damaged by this guitar amplifier. This warranty does not cover, and no liability is assumed, for damage due to: natural disasters, accidents, abuse, loss of parts, lack of reasonable care, incorrect use, or failure to follow instructions. Accidental damage to the amplifier, cabinet, or Tolex is not covered. This warranty is in lieu of all other warranties, expressed or implied. No representative or person is authorized to represent or assume for VVT Amps any liability in connection with the sale or servicing of VVT Amp products. VVT Amps SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES. If service is required you may contact VVT Amps at 240-222-3830 or vvtamps@vvtamps.com. We will respond as soon as possible and make arrangements to repair your amplifier. If your unit is out of warranty, VVT Amps will repair your amplifier but you will be charged the current RATE for parts and labor.

Specifications:

Model Name	Nighthawk 45 – Guitar Amplifier		
Product Number	90999052192 (Combo); 90999052193 (Head)		
Model Number	072151-0022 (Combo); 072151-0023 (Head)		
Series	Nighthawk		
Type	All Tube Amp		
Audio Output	45 Watts into 8 ohms		
Output Impedance	8 ohms		
Speakers	1-15" Eminence 1518 - Combo Only		
Channels	Two Channels (Jumped)		
Features	100% Handmade Amplifier Solid Pine Cabinet, Heavy Duty Handle, Standby Switch, Extension Speaker Jack, Tube Rectifier		
Controls	Front Panel: Instrument Input Jack Bright Switch, Jump Switch, Volume, Bump Switch, Treble, Middle, Bass, Master Volume, Presence. On/Off, Standby Back Panel: (Chassis) Speaker Jack s 2A Circuit Breaker		
Covering	Emerald Textured Vinyl with Beige Grille Cloth		
Weight	45 lbs. (Combo); 29 lbs (Head)		
Dimensions	Height: "	(Combo)	(Head)
	Width:	20"	TBD
	Height:	20"	TBD
	Depth:	10"	TBD
Tube Complement	1 X 5AR4/GZ34 Rectifier Tube, 2 X JJ KT66 Output Tubes 3 X JJ ECC83/12AX7 Preamp/Phase Inverter		
Accessories	None		
Options	1X15 Extension Cabinet w/Eminence 1518 150W Speaker		
Introduced	5/2012		
Notice	Product Prices, Features And Specifications Are Subject To Change Without Notice		