

What is a solid-state guitar amp?

In the case of era guitar amps "solid-state" boils down to ordinary bipolar transistors, and the odd 741 op-amp - FET's and Darlington "super-transistors" had yet to make any impact. PNP transistors also still tended to be a bit fragile, so the majority of amps are one arrangement; NPN quasi-comp's.

Can a transistor amp be repaired without fireworks?

Don't Panic- you will still have the mains under the chassis to keep you awake, and transistor amps can be repaired without fireworks as long as you take care of a few things. Assuming that we are confronted with a solid-state amp on the bench, and all we know about it is that it is "faulty" in some way, how do we go about bringing it back to health?

Can era solid state preamp performance be improved?

Certainly there are many cases where era solid state preamp performance can now be much improved, particularly with respect to residual noise floor and crossover distortion.

How do I know if my amp is broken?

If an amp is only broken on one channel, you can measure the good side, read up to see what things are meant to do, understand a given thingy, then compare that to the bad side and hopefully see where the problem is. This will limit the current (glowing brightly in the presence of a short) and save fuses, resistors and other parts of your amp.

Why is a solid-state output stage a bad op-amp?

This is because the typical solid-state output stage is a fully DC-coupled loop around six (or many more) devices. In many respects it is a bloody big op-amp on steroids, capable of ripping its own arms off. If only one of those devices is faulty there is a very high chance of galloping silicon cancer when power is applied.

Do valve amps have DC coupling?

In valve amps we very rarely find DC coupling and only have to cope with AC instability, but DC coupling between stages is very common throughout solid-state amps, both pre and main amps. So any fault that throws off the DC conditions tends to be reflected pretty drastically around the loop.

The amazing durability of 60's & 70's solid state amps. ... SMPS (switch mode power supplies) considerably less reliable and run components much harder and hotter. ...

Turn the mute function off and on and see if it effects the output offset. The first suspects are C302 (LR) and C306 (LR) which are DC blocking caps for the power amp, ...

Effects: 24 (5 simultaneously), 14 x Preamps, 4 x Power Amps, 8 x Speaker Cabs: \$320: Read Full Review Below: Here Are The Best Solid State Amps. 1. Boss Katana MkII 100 (Best Value) Shop on Sweetwater.

Check ...

Sunn Solid state amp not repairable? Thread starter TFM94; Start date Jun 25, 2023; Tags ... I found a music store in a neighboring city that has a tech who can fix solid state ...

A lot of modern solid state amps use quite specialised components that cant be repaired so i wondered if there was any mileage in building a hand wired solid state amp? Or ...

This compact yet powerful combo consists of a 180w amp head and a meticulously matched 2 x 10" Bass cab. Its classic design pays homage to the iconic PA columns of yesteryears, capturing that timeless aesthetic while ...

The maximum wattage setting (15 watts) bypasses the 6L6 in order to create an option for pure solid state rectification if desired. The power ranges from 1/2 a watt to 15 watts making this an incredibly versatile amplifier for studio or stage!

Guitar Amps; Maintenance, Troubleshooting & Repair; Summer Fund Drive:C'mon guys lets show some support! If this site has helped you an you haven't recently donated ...

Is there some cutoff point where the components deteriorate from age or too many hours of use? Are some makes worse than others? As I own some 1980s Yamaha solid state ...

We offer service for most makes and models of tube and solid state guitar and bass amplifiers and analog effects pedals. digital and modeling amps and effects are often not repairable at ...

SS amps are safer to work on than valve amps because the supply voltages used are (normally/mostly) low enough not to be shock hazard (this isn't true in some high power and rack amps), but can still produce some ...

The first big (300wpc) power amp I built is still running (left on) 24/7 in a church for their PA, 37 years later. The only thing that has died is the neon in the power switch. I built it ...

The Abm models you can consider the flag ship, Class A/B solid state power amp (old school heavy type), Big, loud and versatile. ... Very easily and cheaply repairable by ashdown themselves. Loads and loads of pros use ...

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Problem with my unit is strange one. Sometimes it will power cycle when turn on, sometimes will not, then it could play normal for like 2 hrs., then would power cycle on and off ...

Guys who mostly work on tube amps generally are not qualified to repair solid state amps because they often have no idea how they work. It's great to hear that it's generally fixable. There are a few more amp repair places in ...

As to what's wrong with this amp, he wrote: &quot;There is several failures, in power amplifier and driving section for the signal to power amplifier.&quot; Reactions: J M Fahey, Artman, S-Bigbottom and 12 others

While I don't think this is unusual, I would say the most amps of either SS/tube nature are pretty reliable. Other than tubes themselves, the main components that age are the ...

elflord1973 I am just trying to use an amp that I can sit down and play with guitar direct to the input when I feel like it, or on stage with a setup that isn't very complicated. I'd ...

Power amps give power to passive speakers. They are near the end of a signal chain and come in two forms: either as solid-state units or with tubes. The former is superior in terms of reliability, though the latter sounds ...

Web: <https://www.bardzyndzalek.olsztyn.pl>

