

Guitar Amp Repair Guide

Although it is true that accurately calculating electronic circuits can involve complicated formulas, for the electronic hobbyist it is not necessary to perform at the level of an electrical engineer. With some basic knowledge it is possible for the hobbyist to design and build vacuum tube audio amplifiers that perform well. This book covers basic electronics related to vacuum tube amplifiers, an elementary guide for understanding and working with vacuum tube amplifier circuits. Sections cover electronic and audio information that are concise with many examples and

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illustrations. Vacuum tube amplifying circuits are explained in simple terms without complicated math. Math is primarily basic math and a few simple formulas all solvable with a standard calculator and presented with examples. A table of component values for the popular 12AX7 in various operating parameters simplifies amplifier stage design. The first section of the book contains more detailed technical basic electronic information. Sections two through four are more casual in presentation and include pertinent information from section one. Included in this book are eight project circuits with parts list and component layouts for a Buffer Line Amplifier with 25db gain, 6V6SE

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Monoblock Amplifier, Triode Balanced/Unbalanced Input, Tone Control Stage, Cathode Follower Output, and Turntable Pre-Amplifier. Also included are a 6V6SE Stereo Amplifier and Guitar Amplifier project circuits with component layouts.

Uses market research and analysis to provide values for vintage or collectible instruments, including information on more than eighteen hundred brands accompanied by eleven hundred photographs.

This unique manual explains how vacuum tubes (valves) work and how they are used in guitar amp circuits. Many examples of vintage & modern commercial amps serve as

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case studies to identify problems, fixes & improvements. With over 500+ photos and schematics, this practical book is a "must have" for guitar players, amplifier designers & builders!

This book is for the fans of guitar amplifiers and the history that lies behind them. Starting with early amp models like the Gibson EH-150 that was first used with Gibson 's EH-150 lap-steel guitar and later the Charlie Christian ES-150 guitar, it then delves into the development of Fender, Vox, and Orange amps, and goes right up to the modern boutique designers like Industrial, Dr. Z, Fargen and Fuchs. Also featured are such tube amp classics as the Seymour Duncan

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Convertible head, ahead of its time in offering tube-switching before THD Amps existed. Other amp designers profiled include: • Carvin • Danelectro/Silvertone • Engel • Epiphone • Premier • Roland • Seymour Duncan • And many, many more! Emmy Award-winning guitarist, composer, and producer Brian Tarquin takes on the unique subject matter of the electric guitar's sidekick and partner-in-crime to create this informative and enthralling reference guide. Interviews with various amp makers as well as players, and a foreword by Michael Molenda (Guitar Player magazine), will all bring the reader closer to those glowing tubes and tones. Guitar Amplifier Encyclopedia provides an

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expansive education on all the best amps' every nuance, and how they each changed the history of sound! Allworth Press, an imprint of Skyhorse Publishing, publishes a broad range of books on the visual and performing arts, with emphasis on the business of art. Our titles cover subjects such as graphic design, theater, branding, fine art, photography, interior design, writing, acting, film, how to start careers, business and legal forms, business practices, and more. While we don't aspire to publish a New York Times bestseller or a national bestseller, we are deeply committed to quality books that help creative professionals succeed and thrive. We often publish in areas overlooked by other

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publishers and welcome the author whose expertise can help our audience of readers.

How to Hot Rod Your Fender Amp

A Table-Format of Problems and Solutions

The Tube Amp Book

Design and Construction of Tube Guitar Amplifiers

Guitarist's Guide to Maintenance & Repair

Holy Grail of Vintage Guitars

A complete yet easy-to-understand technical description of tube guitar amplifiers, intended for musicians and amplifier designers and builders.

Most musicians would like to understand how their

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amplifiers work. For reason to either get a better tone, explain that tone to their serviceman, prevent an amplifier from failing on stage, perform a quick-fix on the job, do their own maintenance, maybe even start their own repair or custom amp business. This book is intended to provide an actual Workbook that can be opened up on your workbench and used to study, service, or modify tube amps. The book is laid out in a "cadence" of schematic on top, with the appropriate layout underneath. This allows you to see both drawings at the same time. It also means that some pages are intentionally left blank, so as to

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not break the "cadence." These pages can be used for note taking. After all, this book is meant to be used. Contained in the chapters are reference pages for Jensen Speakers, Fender Transformers, and Accutronics Reverbs.

Presents a history of Fender guitars from the 1940s to the present day, including serial numbers and chronological listings of models and feature changes.

Newly revised and updated, this do-it-yourself primer for owning and maintaining an electric guitar covers a vast array of essential information, including

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choosing the right guitar, personalizing and improving on a "factory setup," basic guitar electronics, troubleshooting and much more.

Original.

Understanding Tube Amplifiers and Getting Great Sounds

Tube Guitar Amplifier Essentials

A Tech to the Stars Tells How to Maintain Your Axe like a Pro

The Complete Guide

Electric Guitar Amplifier Handbook

Guild Guitars

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Guitar amp troubleshooting & repair, test & measurements, building (construction) of vacuum tube guitar amplifiers, it's all here. Dozens of tried & tested designs are featured, using both less common but great sounding tubes and much loved favorites such as EL84, 6V6, 6L6, EL34, and 7027A. A real treat for amp designers & DIY builders!

This book of amp schematics was assembled with service and repair in mind. I have always had a very deep respect for the design and performance that tube amps produce. Let's face it, guitar tube amps don't always get the respect that they deserve. Tube

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amplifiers have always worked hard and should be looked at as a major part of your sound as they inspire you to dig deep into your playing. If you feel somewhat the same way I do about tube amps, then you know each amplifier has their own characteristics and tone. I hope you can use this educational information to understand how tube amps are designed and how they work.

Gorgeously illustrated and authoritatively written, Fender 75 Years is the officially licensed celebration of the legendary brand's landmark anniversary, covering all of Fender's iconic guitars, amps, and

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basses.

(Book). For over two decades, Gerald Weber has answered hundreds of tube amp related questions in advice columns in major guitar magazines. Sound Advice is a complete collection of Gerald's works and will help you better understand, maintain and maximize the most important tone factor in electric guitar the tube amp.

Introduction to Guitar Tone & Effects

Fender 75 Years

Guitar Amplifier Encyclopedia

Designing Valve Preamps for Guitar and Bass,

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Second Edition

*The Complete Guide to Guitar and Amp
Maintenance*

Tube Guitar Amplifiers Volume 2

(Guitar Educational). An essential manual for getting the best sounds from electric guitars, amplifiers, effect pedals and digital processors! This book/CD pack features easy-to-follow instructions, with more than 75 photos, to teach the basics of guitar tone and effects. The accompanying CD provides audio

examples. Readers will learn: anatomy of the electric guitar; controlling the electric guitar; getting a good clean tone; overdrive, distortion and fuzz; using equalizers; compressors and limiters; noise reduction; modulation effects; reverb and delay; octavers and harmonizers; special effects; multi-effect processors; amp & effect modeling; getting a good tone through your PC; stylistic guitar tones; famous effected guitarists; and much more!

(Guitar Educational). Doug Redler has been a guitar tech to the Black Crowes, k.d. lang, the Dixie Chicks, the B-52s, Paul Simon, Goo Goo Dolls, Counting Crows, Peter Gabriel, and many other stars. He's seen it all, and knows what to do when it comes to keeping guitars and amps healthy. In this book, he reveals his trade secrets so that anyone with some mechanical ability can maintain their own gear. Co-authored by Hal Leonard guitar historian Dave Rubin, this book

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covers: guitar tech toolbox, proper stringing techniques, evaluating the guitar neck, setting the action, adjusting the pickups, basic bass guitar set-up, tales from the road, humidity and acoustic guitars, amp care and maintenance, and more!

Covers set-up, maintenance, tuners, acoustic adjustments, nut replacement, fret dressing, refretting, guitar electronics, finish application and repair, and useful tools

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Covers set-up, maintenance, tuners, acoustic adjustments, nut replacement, fret dressing, refretting, guitar electronics, finish application and repair, and useful tools.

Library of Vintage Tube Amps (A-F)

Audio Power Amplifier Design

How to Repair, Modify & Build Guitar Amps

The Official Vintage Guitar Magazine Price Guide

Guitar Amps and Their Problems

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Dave Funk's Tube Amp Workbook

This guidebook shows owners and dreamers the basics of getting the best sound possible out of their Fender amp with simple and advanced modifications. These include essential and fundamental tips like selecting tubes, capacitors, pots, and other electronic equipment, as well as biasing and setting up your amp. It also covers great hot-rodding enhancements to give you the tone of the pros at your fingertips, such as making one channel into an overdrive channel, modifying tone controls, making one channel

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either a Marshall or Vox channel (changing preamp and tone arrangement—not a permanent, destructive mod), building splitter boxes to run two amps simultaneously, creating splitter speaker setups within one amp, building the perfect gig amp (something light and portable, but with big sound, like an early Mesa Boogie), and more.

This book is essential for audio power amplifier designers and engineers for one simple reason...it enables you as a professional to develop reliable, high-performance circuits. The

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Author Douglas Self covers the major issues of distortion and linearity, power supplies, overload, DC-protection and reactive loading. He also tackles unusual forms of compensation and distortion produced by capacitors and fuses. This completely updated fifth edition includes four NEW chapters including one on The XD Principle, invented by the author, and used by Cambridge Audio. Crosstalk, power amplifier input systems, and microcontrollers in amplifiers are also now discussed in this fifth edition, making this book a must-have for audio power

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amplifier professionals and audiophiles. (Book). From the author of Amps! comes an essential survival guide for every guitar player and amp owner. Packed with concise, clearly written tips on troubleshooting and repairs, this guide teaches the secrets of maintenance and fixing it yourself, with straightforward, step-by-step instructions using simple, affordable, readily available tools. The book focuses on the most commonly performed procedures, and contains over 150 photos and insider information from technicians, engineers, and roadies.

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Compilation of mostly tube amp repair tickets during years of service. The best use of this book would be to look up the make and model of a particular amp and see what kind of problems we have seen. It is written with terms a technician should understand.

Everything You Wanted to Ask about Vacuum Tube Guitar Amplifiers

Great Tube Amps and Guitar Mods.

Tube Guitar Amplifiers Volume 1

A Complete Guide for the Curious Musician

Complete Guide to Vintage Tube Amplifiers

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Volume 1 - Fender

The Guitar Amp Handbook

Designing Tube Preamps for Guitar and Bass is the most comprehensive guide to the design of tube-based preamplifiers for musical instrument use, in a single volume. From the input to the phase inverter this book discusses in detail the inner workings and practical design of every part of a conventional guitar preamp, including the use of triodes, pentodes, tone controls, effects loops and

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much more. This second edition is fully revised and includes four new chapters covering noise, signal switching, topology, and grounding. Aimed at intermediate-level hobbyists and circuit designers, it explores how to manipulate distortion and maximise performance for the perfect tone. With easy-to-read explanations, minimal math and over 250 diagrams and figures, it is an essential handbook for any tube amp enthusiast! This comprehensive book on audio power amplifier design will appeal to members of

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the professional audio engineering community as well as the student and enthusiast. Designing Audio Power Amplifiers begins with power amplifier design basics that a novice can understand and moves all the way through to in-depth design techniques for very sophisticated audiophiles and professional audio power amplifiers. This book is the single best source of knowledge for anyone who wishes to design audio power amplifiers. It also provides a detailed introduction to nearly all aspects of analog circuit design,

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making it an effective educational text. Develop and hone your audio amplifier design skills with in-depth coverage of these and other topics: Basic and advanced audio power amplifier design Low-noise amplifier design Static and dynamic crossover distortion demystified Understanding negative feedback and the controversy surrounding it Advanced NFB compensation techniques, including TPC and TMC Sophisticated DC servo design MOSFET power amplifiers and error correction Audio measurements and instrumentation

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Overlooked sources of distortion SPICE simulation for audio amplifiers, including a tutorial on LTspice SPICE transistor modeling, including the VDMOS model for power MOSFETs Thermal design and the use of ThermalTrak(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power amplifiers Switch-mode power supplies (SMPS). design Static and dynamic crossover distortion demystified Understanding negative feedback and the controversy surrounding it Advanced NFB

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compensation techniques, including TPC and TMC Sophisticated DC servo design MOSFET power amplifiers and error correction Audio measurements and instrumentation Overlooked sources of distortion SPICE simulation for audio amplifiers, including a tutorial on LTspice SPICE transistor modeling, including the VDMOS model for power MOSFETs Thermal design and the use of ThermalTrak(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power amplifiers Switch-mode power supplies

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(SMPS). the use of ThermalTrak(tm) transistors Four chapters on class D amplifiers, including measurement techniques Professional power amplifiers Switch-mode power supplies (SMPS). THE TUBE AMP BOOK WITH AUDIO ONLINE ERRATA SHEET ADDED.

(Guitar). The Moderne is an electric guitar designed by Gibson in 1957 alongside the Flying V and Explorer as part of a stylistically advanced line. Sources claim that Gibson made a handful of prototypes, but an original has yet to

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surface. The Moderne was eventually put into production in 1982. Because of their very limited production and forward design, Modernes are highly sought by collectors. Here is the story, explained in interviews and photos, of this curious development associated with the golden era of guitar making.

Modifying Your Amplifier for Magical Tone

A Modern Approach to Traditional Design

An Introduction to Scientific Guitar

Design

All about Vacuum Tube Guitar Amplifiers

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The Rough Guide to Guitar Classical Guitar Making

The Rough Guide to Guitar is a one-stop shop for all your guitar-related needs - whether you're buying, playing, gigging, recording or a complete beginner. Covering everything from the basics a new player needs to hints and tips for experienced guitarists, and even how to successfully start a band. Written by Dave Hunter, one of the world's leading guitar authors and contributor to Guitar Player and Vintage Guitar magazines, The Rough Guide to Guitar covers it all, in a language that players of all experiences and ages will understand and enjoy. From classic rock guitar sounds through to indie, punk and psychedelic, and from home recording methods to how to put

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a band together; The Rough Guide to Guitar is the guide for you.

"Renowned luthier John S. Bogdanovich crafted the project shown inside for his own personal use. The design he presents is simple but elegant and is a composite of ideas borrowed from several different guitars admired for their tonal qualities and aesthetic details. In close-up photographs Bogdanovich invites you to stand by his side and follow the entire process from start to finish. He offers guidance through every step, and explains every decision, from the arrangement of his workbench and the selection of the wood, to tuning and setting up the instrument. Bogdanovich also provides a choice of alternative methods and materials -- to help you find your own

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style of working, and to enable you to add your personal touches to your project. By the time your instrument is finished, you'll have acquired a world of knowledge, from the difference between quartersawn and flat-sawn wood to the pros and cons of lacquer versus French polish. You'll have mastered dozens of skills, including bending and aminating wood and cutting and seating wire frets. Best of all, you'll have a beautiful instrument, designed to your own specifications, that will give pleasure to everyone who hears it." -- Book jacket.

(Book). Explores all manufacturers and de-mystifys the inner workings of tube amps. All new material from the amp guru Gerald Weber. Tons of empirical data that de-mystify the inner

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workings of tube amps to help you get the most from your amps! You will learn how tube amps work, electronic concepts, how different types of tubes work, the anatomy of a gain stage, how to resurrect a dormant tube amp, how to do a cap job correctly, modifications to preserve your amp, how to voice an amp and tune the reverb, how to build an amp, recover a cabinet, re-grill a baffleboard, how to buy a vintage amp; and common wiring mistakes and idiosyncrasies found in vintage amps. And you get a couple of hundred pages of Questions and Answers sectioned off into Fender, Gibson, Marshall, Danelectro/Silvertone, Vox, Other American, Other British and Miscellaneous Topics. You will learn the six dreaded tone killers and how to avoid them, the top ten amp-

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tone tips, and how to fine-tune your entire amp setup. In short, you will have the knowledge needed to squeeze your amp's performance from lame to insane.

(Book). From the amp guru, and columnist for Vintage Guitar magazine, comes a future classic that features more than 60 easy-reading chapters de-mystifying the complex world of tube amplifiers. Over eight years in the making, it covers the basic knowledge and the practical steps to work on this type of amplifier, the preferred type of amp for millions of guitarists and technicians.

Troubleshooting and Repairing Audio Equipment

Moderne

How to Service Your Own Tube Amp

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An Essential Manual for Getting the Best Sounds from Electric Guitars, Amplifiers, Effect Pedals, and Digital Processors
Guitars Made by the Fender Company

Vacuum Tube Amplifier Basics

(Book). There's a huge amount of hype and mythology surrounding tube amplifiers in the guitar world. For years, experts have argued over the tiny details of exactly how they do what they do, and how their various components interact. What's undeniable is that, far more than being just a "loudness booster," the unique combination of tubes, capacitors, resistors, and transformers in

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these amps can contribute enormously to the quality of sound derived from any electric guitar. In this thorough and authoritative book, Dave Hunter cuts through the marketing hyperbole, and the blind faith, and supplies all the information you need to choose the right amp, and get the best from it. The book also features exclusively conducted, in-depth interviews with leading figures in the tube amp-building world including Ken Fischer, Mark Sampson, and Michael Zaitz and even provides full instructions on how to construct your own high-quality tube guitar amp from scratch.

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How to Service Your Own Tube AmpA Complete Guide for the Curious MusicianThe Complete Guide to Guitar and Amp MaintenanceHal Leonard Corporation

(Book). This owner's guide for electric guitarists and bassists features numerous tips on auditioning and buying a (bass) guitar, choosing new strings, maintenance and tuning, and other aspects that are unique to an electric guitar. This book also includes chapters on the history and the production of these instruments, as well as an index, a glossary, and the unique Interactive Tipcodes that allow you to hear online audio examples.

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The History and Technology of Plucked String Instruments

Manuel M. Ponce and the Guitar

The Book on Tube Amplifier Technology

Sound Advice from Gerald Weber

The Tube Amplifier Schematic Bible Volume 1