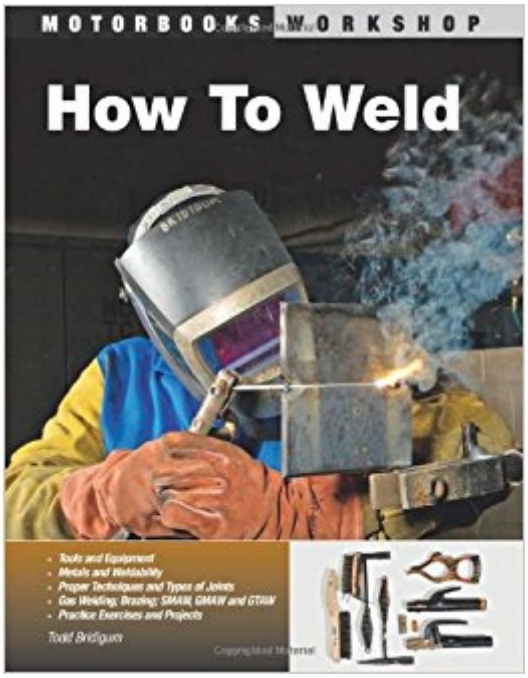
How To Weld (Motorbooks Workshop)



Synopsis

Welding is a skill that any do-it-yourself enthusiast needs in his arsenal. Itâ ™s only when you can join metal that you can properly repair and create. This book is the perfect introduction for neophytes and an excellent refresher for veteran welders, a work so comprehensive and so complete that most readers wonâ ™t need any further instruction.How to Weld starts with a brief history of welding, an overview of the different types of welding, and a thorough discussion of safety practices. Longtime welding instructor Todd Bridigum describes various tools and types of metals, as well as techniques and types of joints. Bridigum discusses gas, stick, wire-feed (MIG and TIG), even brazing, completing each section with a series of exercises that fully illustrate the skills he has covered.

Book Information

Series: Motorbooks Workshop

Paperback: 208 pages

Publisher: Motorbooks; 1st edition (August 25, 2008)

Language: English

ISBN-10: 076033174X

ISBN-13: 978-0760331743

Product Dimensions: 8.4 x 0.6 x 10.8 inches

Shipping Weight: 1.8 pounds (View shipping rates and policies)

Average Customer Review: 4.7 out of 5 stars 193 customer reviews

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Customer Reviews

Todd Bridigum is a welding instructor at Minneapolis Community Technical College. He lives in Minneapolis, Minnesota.

First let me say that I was (am) a true novice at welding. I recently received an oxy/acetylene torch for my birthday and had no idea how to use it properly. I was burning/melting everything, I didn’t know how (or what) to set the gas/O2 at. I had no idea about the relationship to metal/torch tip size/welding rod size(type)/gas settings. Truthfully, before reading this book I almost hated gas

welding/brazing and now I love it. Excellent descriptions, pictures/illustrations and references from "official" welding books (AWS) and courses. You can tell that the author is a experienced instructor as things are explained clearly and the transition from basic, intermediate to "advanced" is easily understood. This book is a great read for anyone getting into any type of welding. I can only speak from experience on the gas welding chapters for now but I assume the remaining subjects/chapters are of equal quality. A must have!!!

So I had a nice mig welder at my last job, and at my new job, just a lousy $150 flux wire jobs. I couldn't get a good weld. I looked in this book about 5 times for advice. The 5th, I found "if there is slag, you must drag." No more trying to push slag beads.

This book has it all with clear photos and illustrations for several methods of welding. I've got a few other books but this one I would put at the top. The author is very clear in what he's trying to convey to the reader on the correct ways to weld. He shows examples of poor welds to help you identify what you are doing wrong and how to correct your work. There's great exercises to help build your technique. I'm primarily interested in Wire feed welding now and its been 20yrs since I've last welded at all with a stick and this book helps out tremendously. It is a great read for experienced and novice welders in my opinion and the next best thing to sitting in a refresher class.

If you want to teach yourself how to weld, this book and the videos on You Tube are the way to do it.This book covers Gas, MIG, TIG, Stick, Brazing, etc. The MIG section is extremely good and the main section I studied since I just bought a MIG welder and had no idea how to use it.Lotsa pics of how to angle the gun, stickout, where to put your hands, etc. Things ya just don't know if you've never done it. Plenty of pics of good and bad welds and how to do it right. Exercises for practice are outlined at the end of the chapter.The only thing missing is a little more info on the machines, their features and how to buy the right one, but you can find that anywhere.Get this book for the pics. A pic is worth a 1000 words.

So one of the biggest things for me is to learn what I am doing wrong. On that subject, with regards to the Mig welding section, this book let me down. There are two small, and essentially useless pictures, that demonstrate what different problems look like. They are both of the same item, taken from above and very poorly labeled. It is very rare that I become so frustrated that I throw a book in utter disgust... this book was thrown. I had to get onto the internet to find one of the MANY simple

line drawings that show me exactly what I was doing wrong. I prefer to have something physical to look at, so I'll keep this book but will add printouts of the helpful items I found online.

Great book , lots of helpful info and pictures about all kind of welding . I have been reading it a little at a time and found out that I didn't know as much as I thought I did.

This is a great, practical reference that demystifies some of the details of welding in its various forms. Well written, logically laid out and goes to a level of detail beyond the basics without being comlicated. It also helps significantly in explaining the benefits and shortcomings of the various welding methods for the manual welder. I am probably being greedy in my demands but I owuld like to have seen a development into some of the techniques for using or building your own jig or frame. I have done oxy and arc welding in the past and even with that experience this book brought new information to my knowledge base. Well worth the money and I am confident it will become a well used reference into the future.

I went to Cal Poly at San Luis Obispo, Ca. and had 9 quarter unites of gas, mig,and tig welding. But I did that in 1959-1960 time. Worked as a Mechanical Engineer for 40 years. Had a project at home that required a lot of welding so in I went and started welding. Used the book to review what I did back in collage and after a few test welds produced a good weld. Yes this is a good book.

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