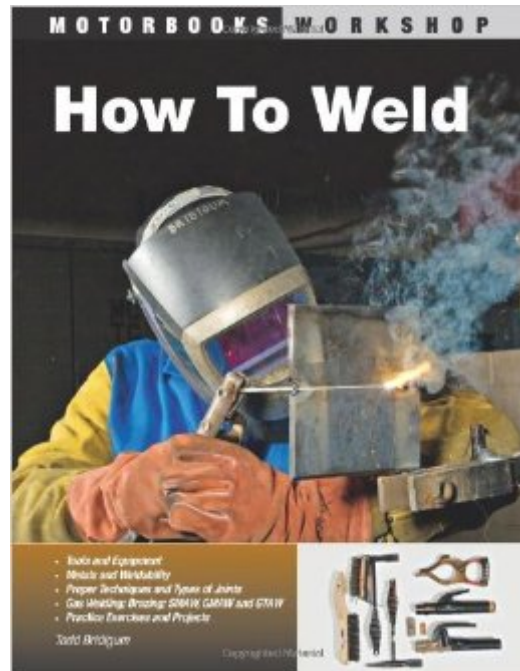


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# How To Weld (Motorbooks Workshop)



## Synopsis

Welding is a skill that any do-it-yourself enthusiast needs in his arsenal. It'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 won'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

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## Customer Reviews

I am new to welding and have consulted a number of instructional books, and "How to Weld" is, by far, the best of the consumer books I've found. The organization, descriptions, illustrations, and photos are great. Where other books skimp on details, the author provides clear, concise, detailed information. Most of the books I've read have surprisingly little specific information when it gets to actually laying down welds: so much text is usually spent with the (important) preamble of safety and description of the mechanics of getting ready to weld, that only a few pages are actually devoted to welding for any given method. "How to Weld" has far more content in all areas than the

other books in this class--each section is larger, has more illustration, and shows many examples. One reason the content is so much greater is that this is a large format book (8 1/2 x 11 inches) with a smaller font while many other books are smaller format with large fonts (and few illustrations, often no color at all). Pros: Layout is great: each section [e.g. gas welding, brazing, SMAW (stick), GMAW (MIG), GTAW (TIG), etc] has it's own color-coded tab, so it's easy to navigate to the section of interest. A picture is worth a thousand words, and this book probably has several hundred full color photos of all aspects of the processes. Illustrations from the American Welding Society (one of the welding certification agencies) are used to clearly show the characteristics of good and bad welds. The author has a very effective and informative writing style. He not only describes "how" but also "why" such that the reader can understand the rationale for doing something in a particular way.

I am new to welding. It's something I've wanted to do for quite some time but I just finally got around to tackling it. The first book I bought was The Welders Handbook. I read it cover to cover. It was OK, but left me wanting. After reading the reviews here I ordered How To Weld. I wish I had read this book first! Todd Bridigum does an excellent job of organizing the information. The book builds knowledge in layers. Todd discusses not only the obligatory safety items (which he still manages to keep interesting), but also different types of metal that you may find at the yard, how they are sold (sheet, linear foot, pound, etc), tools useful in metal fabrication, joint designs and positions, and brazing and soldering to top it off. This isn't just a book on welding, it's really an introduction to metal! When I first decided to learn to weld I just wanted to be able to put two pieces of metal together and have them not come apart. After reading Todd's book I have so much more appreciation for certified welders and the jobs they do. This book will teach you the finer points of developing a good weld without trying to make you a certified welder. It strikes an excellent balance between a cursory overview of welding and a full technical manual. This is exactly what every home/hobbyist welder wants. After giving a full lecture on all the different types of welding and the geometry of the weld (with tons of great color photos and drawings) , Todd sets up detailed welding exercises specific to each type of welding technology - accompanied by yet more pictures. This is some excellent instruction! There are also plenty of sidebars with excellent, more technical, information that will keep this book useful as a reference for years to come as well.

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