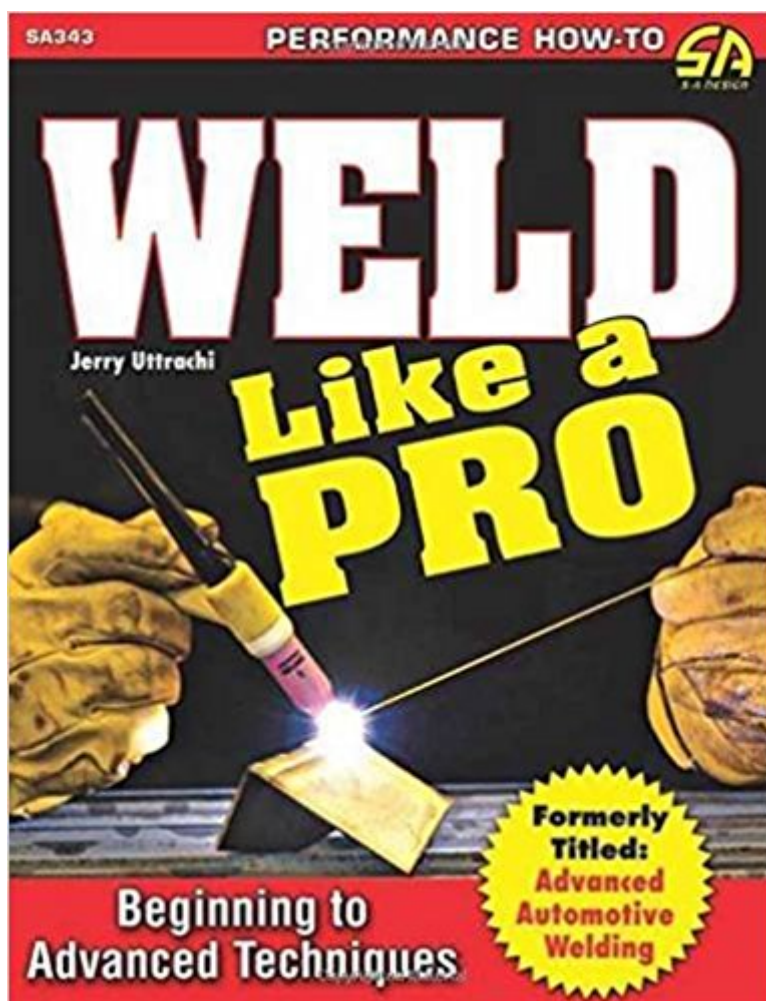


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# Weld Like A Pro: Beginning To Advanced Techniques



## Synopsis

Welding is an art and skill that's essential for automotive fabrication, repair, and vehicle upgrades. It is also an important skill for countless household projects and industries. Some books show basic welding techniques with steel and cast iron. But this isn't your run-of-the-mill introductory welding book. In this revised edition of the previous title, *Advanced Automotive Welding*, Jerry Utrachi, past president of the American Welding Society, shows you how to perform basic welding procedures with steel and cast iron. He also reveals advanced welding techniques and the use of aluminum, titanium, magnesium, stainless steel, and other specialty materials. Projects and techniques focus on automotive applications but they can also be used for welding a bicycle frame, a steel grill, and other everyday fixes. TIG, oxyacetylene, arc, and wire-feed welding processes are detailed, with special coverage on stick and MIG processes. Welding butt and V-joints is explained as well as welding more complex joints, including J- and U-joints. Step-by-step instruction gives you the necessary information to tackle and complete almost any welding job. Popular automotive projects, such as welding an electric fuel pump into an aluminum tank, repairing chrome-moly suspension arms, and welding in floorpans are thoroughly covered. And when it comes to repairing household items, specific projects such as repairing and modifying the steel tubing on an exercise machine, repairing the frame for a decorative bench, and more are covered. Whether you're new to welding, a veteran welder working with special materials, or involved in a special project, you will find indispensable information within the pages of this book. This book is a 2015 International Automotive Media Competition (IAMC) Silver Medal Winner.

## Book Information

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## Customer Reviews

"This is a recommended read for all vintage racers. Whether employing a shop for race prep or doing your own fabrication on race cars, trailer or other, it is useful to read this book." (Dan Davis Victory Lane 2015-11-01) Silver Medal Winner (2015 IAMC Award Winner 2016-08-03)

Welding is an essential skill for the classic car restorer and enthusiast fabricator because almost all high-performance and collector cars need welding repair or restoration work. Welding automotive components, body parts, and other pieces requires specific equipment and specialized skills. With this book, you can make the transition from welding simple joints to welding J-, U-, and other complex joints. In addition, you will be able to weld aluminum, chrome-moly, stainless steel, carbon steel, titanium, and magnesium. American Welding Society past president and welding expert author Jerry Utrachi reveals all major welding processes and techniques, so you can weld to repair and fabricate with advanced materials. TIG, MIG, oxyacetylene, and stick welding techniques are illustrated for a wide range of automotive applications, so you can complete advanced chassis, body, and engine welding projects. MIG is by far the most popular welding process, and as such, MIG welding techniques, including spray arc, short arc, and pulsed arc, are shown and discussed in great detail. Using the techniques revealed in this book, you will be able to fabricate many body, structural, and functional automotive components. Automotive-related welding projects include constructing and installing a roll cage, welding subframe connectors onto a chassis, repairing an aluminum frame, welding in a floorpan, and many others. Additional projects include adding features to an exercise machine, building an automatic gate closure, and mending a metal weather vane. Regardless of your skill level, this book will help you improve your abilities and complete more advanced projects.

good book

Fiance loved this book. I got him this book and then welding machine and he hasn't stopped welding new things

Great Book

Good book enjoyed it

nice book

Excellent book, should be a required prerequisite for any welding class. Well organized, covers the basics perfectly.

Interesting book, lots of information of different methods of welding. But.....For those taking Welding 160 (Prof Roberts), I advise you to avoid buying this book because it is missing a chapter called "Thermal Cutting" which is part of a homework assignment and that chapter is removed from this updated book.

I have been building and fabricating hot rods and kit cars for some time now. And these projects always involve welding. I know there are a lot of books out there on the subject, but this book, *Weld Like A Pro*, by Jerry Utrachi is by far one of the best on the market. From the forward all the way through the book, he covers everything in depth. Every page is packed with pertinent information and reinforced with photos and drawings that graphically demonstrate what he is explaining. I actually think anyone that is serious about this should have two copies of this book, one for the reference library and one for the work bench. When I first learned to weld with my Dad, all we had was stick welding. Although it is not used as much anymore, I was pleased to see a chapter devoted to this because in many applications this is still a good choice, especially for heavier materials. This book really is the complete package in that it is written for the beginner who is starting out, and it quickly picks up speed and covers the advanced welding techniques as well. I like the fact that there is no fluff, it's just a great how-to book, that doubles as a reference manual. And the low price is terrific.

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