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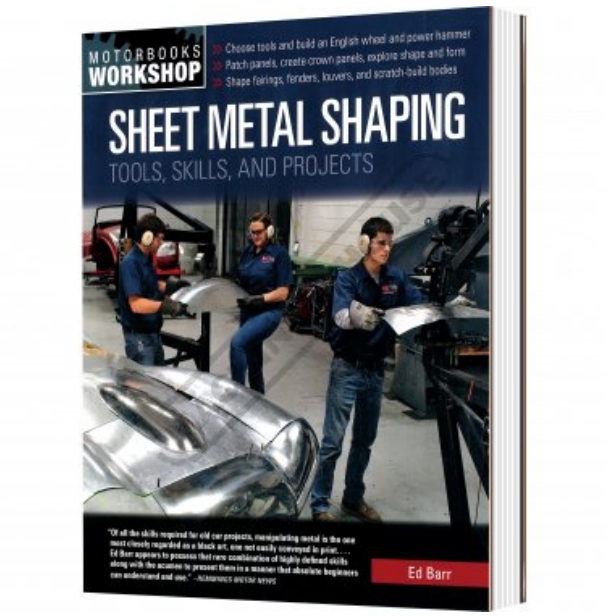
Product Brochure For L3457

L3457 - Sheet Metal Shaping Book - Tools, Skills & Projects

240 Colour Pages
For Gearheads from Automotive Restoration Author & Professor Ed Barr, Barr Demystifies This Black Art with Information on Tools, Basic Skills & 14 Customizable Projects



On Sale

Ex GST	Inc GST
~~$69.00~~	~~$75.90~~
$50.00	$55.00

ORDER CODE:	L3457
Title:	Sheet Metal Shaping Book & Tools, Skills & Projects
Number of pages (No.):	240

Description

Whether you want to create custom or replacement parts or build an entire automobile body, this metalworking course for gearheads from best-selling automotive restoration author and professor Ed Barr will take you as far as your interests reach. Barr demystifies this seemingly black art with information on tools and basic skills and 14 customizable projects, fully illustrated with step-by-step color photography.

"Choose Tools & build an english wheel & power hammer"
"Patch panels, create crown panels, explore shape & form"
"Shape fairings, fenders, louvers & scratch-build bodies"

First, you'll learn how to assemble your ideal toolkit, as well as how to build a power hammer and an English wheel. In the process, Barr will help you make informed choices based on available space and budget. Once you're all set up, he addresses the concepts of shape and form.

The projects are presented in a way that you can easily apply them to their own vehicles, whatever they may be. Barr also takes the time to show how the projects can be accomplished with different available tools. As you go, you'll gain the skills and confidence for tackling the increasingly complex cases presented. Work your way up to building a fender utilizing the wheeling machine you built earlier; then move on to building a Model T speedster body and an Indy car, and later a challenging 1934 Plymouth fender. The book even includes common “goofs” and how to avoid and, if necessary, correct them.

Written in an engaging and approachable style, Sheet Metal Shaping serves equally well as a useful supplement to Barr’s previous Professional Sheet Metal Fabrication or as a must-have standalone volume for any fabricator’s library.

"Of all the skills required for old car projects, manipulating metal is the one most closely regarded as black art, one not easily conveyed in print...
Ed barr appears to possess the rare combination of highly defined skills along with the acumen to present them in a manner that absolute beginners can understand and use."

About the Author:

Ed Barr, best-selling author of Professional Sheet Metal Fabrication, teaches welding and sheet metal restoration in the Technology Department at McPherson College in McPherson, Kansas. Barr has been restoring cars and creating metal sculpture since he was a teenager. Barr graduated from the University of the South in 1991 and pursued a career in art museum administration after receiving an MA degree from the University of Kansas. Barr then served as director of the Mulvane Art Museum at Washburn University in Topeka, Kansas. Barr earned a BS degree in automotive restoration technology from McPherson College and subsequently worked at Vintage Restorations Ltd. in Union Bridge, Maryland, where he restored British cars. He resides in McPherson, Kansas.

CHAPTER 01 - THE PEASANT'S TOOLKIT
- The Stump

- Tucking Tool
- Wire Edging Tool
- Spoon
- Other Useful Tools

CHAPTER 02 - BUILDING YOUR OWN ENGLISH WHEEL
- The Design
- List Of Materials
- The Build Stage 1 To 11

CHAPTER 03 - BUILDING A POWER HAMMER FROM A KIT
- Preparing For The Build
- List Of Materials
- The Build Stage 1 - To 12
- Tips For Adding A Second Set Of Arms

CHAPTER 04 - INTRODUCTION TO SHAPE & FORM
- Distinguishing Between Shape & Form
- A Little Thickness Change Means A Lot

CHAPTER 05 - THE LOW CROWN PANEL
- Sweep Explained
- Building A Simple Buck For THe Low Crown Panel
- Making A Low Crown Panel With Hand Tools
- Making A Low Crown Panel With A Wheeling Machine
- Making A Low Crown Panel With A Power Hammer

CHAPTER 06 - THE HIGH CROWN PANEL
- Buck Building Tip
- Getting To Work
- A Stroll Down Easy Street: The Aluminium Cycle Fender

CHAPTER 07 - THE REVERSE CURVE PANEL
- Building A Simple Buck For The Reverse Curve Panel
- Conquering The Reverse Curve Panel With An English Wheel
- When Too Much Is Just Right: The Power Hammer Reverse Curve

CHAPTER 08 - SCRATCH-BUILT FENDER
- Turning Two Panels Into One
- Adding A Crease

CHAPTER 09 - PATCH PANELPALOOZA
- Risk-Free Practice
- Sneaking Up On The Perfect Fit
- How To Heat Shrink
- Patch Panel Checklist
- Tips, Tricks & Other Sorcery

CHAPTER 10 - SHINY TRIM REPAIR
- Saving A Sad Side Spear
- Restoring The Bling To A Headlight Ring
- Pull-Through Dies
- Making Trim With A Reciprocating Machine

CHAPTER 11 - The NAYSLAYRR MODEL T SPEEDSTER
- Model T Special Considerations
- Solving The Hood-To-Cowl Conundrum
- Defining The Tail
- Building A SAmple Structure For The Body
- Exterior Sheet Metal
- Finishing The Tail
- Resolving The Top Edge Of The Cockpit
- Making Hood Straps

CHAPTER 12 - RE-CREATING AN INDY RACE CAR
- Building A Body Buck
- Starting On The Body Sheet Metal
- Crafting The Tail
- The Grille Shell
- Custom Sets
- Seat,Gas Tank & Body Supports
- Wrapping Up

CHAPTER 13 - BUILDING AN ALUMINIUM MOTORCYCLE FAIRING
- Stretching, Shrinking & Forming

CHAPTER 14 - BUILDING A PAIR OF EARLY CADILLAC FENDERS
- Building A Simple Buck
- Testing, Testing ...1,2,3
- Starting The Build
- Adding A Taillight Mount

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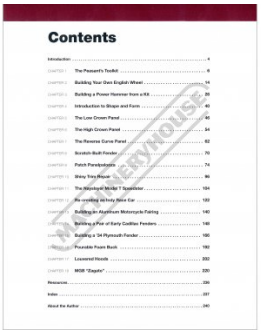
CHAPTER 15 - BUILDING A 1934 PLYMOUTH FENDER
- Making a Crown Panel Without A Buck
- Making The Beaded Fender Edge Without A Buck
- Preparing Paper Pattern & Getting Busy
- Panel Pitfalls
- The Second High Crown Panel
- Tackling The Reverse Curve
- Joining The Panels & Finishing The Edge

CHAPTER 16 - POURABLE FOAM BUCK
- Building An Inner Structure
- Testing The Foam Buck
- Making A High Crown Panel

CHAPTER 17- LOUVERED HOODS
- Low -Buck Model T Steel Hood
- Polishing Aluminium In Preparation For Louvers
- Pullmax Louvers

CHAPTER 18 - MGB "ZAGATO"
- Planning For Weld Seams
- Working Around Factory Detail
- Reverse Curve Panels
- Ready Made Hammer Forms
- Headlight Openings On Low Crown Panels
- Welding & Finishing

Specific Features



Contents

Chapter 1 - The Peasant's Toolkit

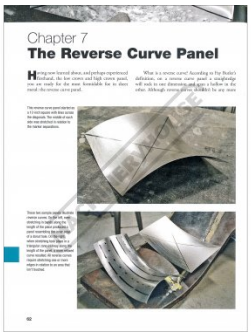
Chapter 2 - Building Your Own English Wheel

Chapter 3 - Building A Power Hammer From A Kit

Chapter 4 - Introduction To Shape And Form

Chapter 5 - The Low Crown Panel

Chapter 6 - The High Crown Panel



Chapter 7 - The Reverse Curve Panel

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Chapter 8 - Scratch Built Fender

Chapter 9 - Patch Panelpalooza

Chapter 10 - Shiny Trim Repair

Chapter 11 - The Nayslayer Model T Speedster

Chapter 12 - Re Creating An Indy Race Car

Chapter 13 - Building An Aluminum Motorcycle Fairing

Chapter 14 - Building A Pair Of Early Cadillac Fenders

Chapter 15 Building A 1934 Plymouth Fender

Chapter 16 - Pourable Foam Buck

Chapter 17 - Louvered Hoods

Chapter 18 - MGB Zagato

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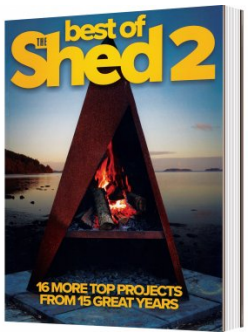
Recommended Accessories

CATM

Engineering, Workshop, Tools, Metal & Wood Machinery Catalogue

L3459

The Best Of The Shed 2



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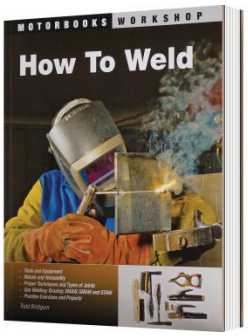

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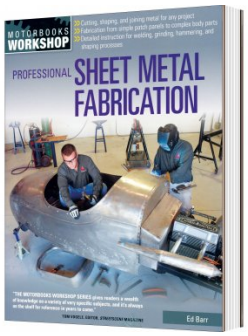

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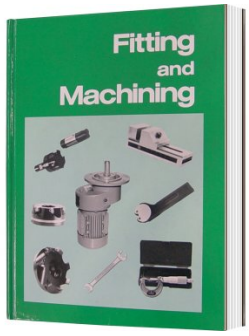

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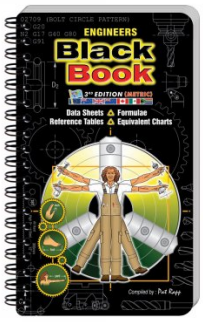

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