

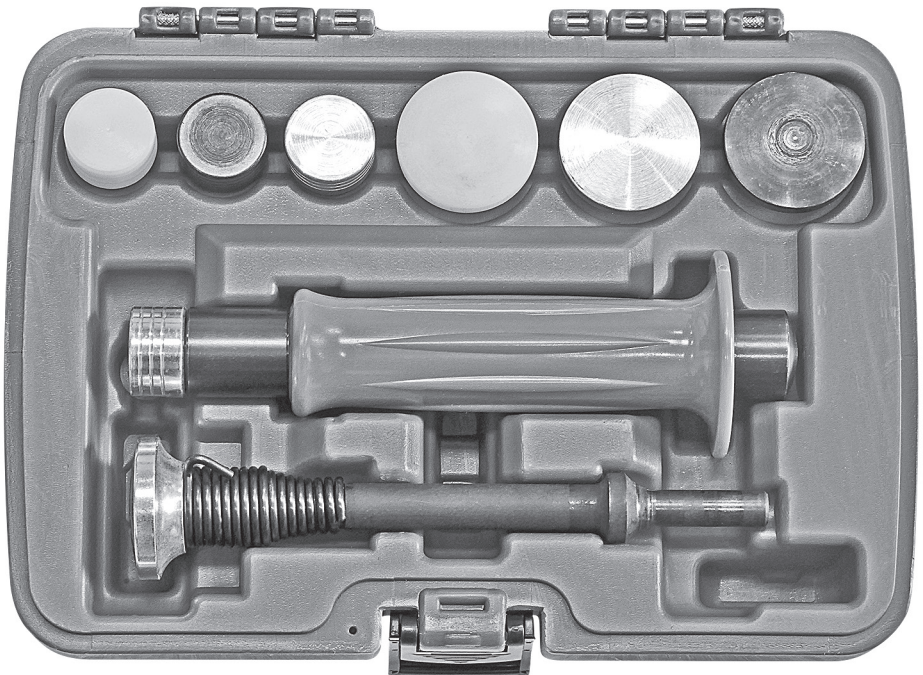
*Eastwood*<sup>®</sup>

DO THE JOB RIGHT.<sup>®</sup>

Item #16189

# INTERCHANGEABLE METAL FORMING KIT

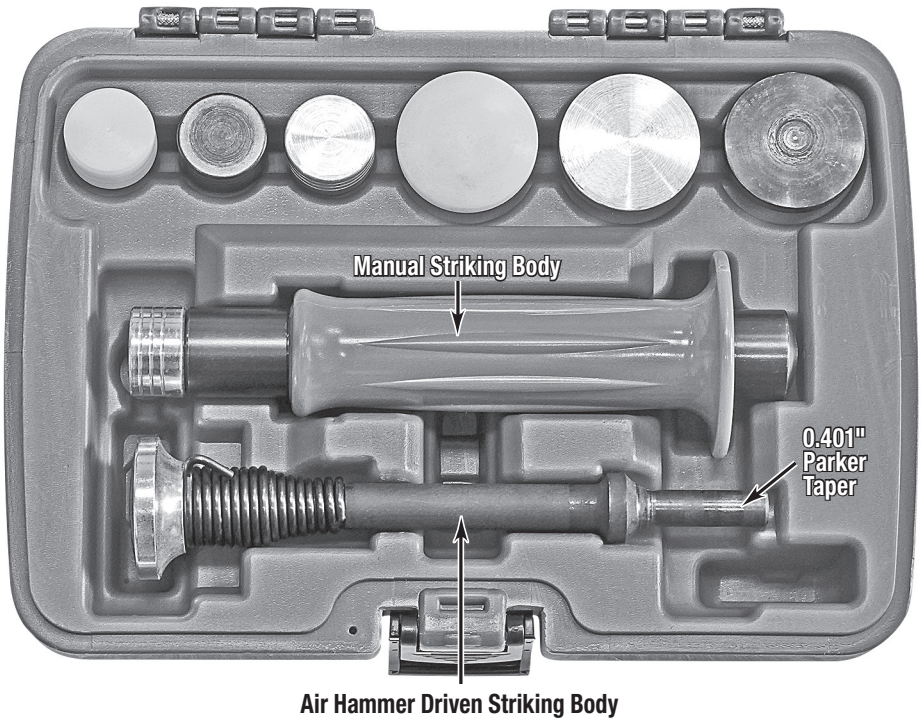
## INSTRUCTIONS



The 10 Piece **EASTWOOD INTERCHANGEABLE METAL FORMING KIT** is a heavy-duty, professional quality tool ruggedly designed for many years of reliable service. It features a quick-change design for efficient Forming Head changes. The air hammer-driven Striking Body fits any standard 0.401" Parker Taper air hammer and allows for fast, rough shaping of metal panels while the Manual Striking Body, with Vinyl Impact Absorbing Grip, provides a greater measure of control for finessing contours in metal.

## CONTENTS

- (1) Manual Striking Body with Vinyl Impact Absorbing Grip
- (1) Air Hammer Driven, Parker Taper Striking Body with Retaining Spring
- (1) 0.98" [2.5 cm] Diameter Aluminum, Flat Forming Head
- (1) 0.98" [2.5 cm] Diameter Brass, Flat Forming Head
- (1) 0.98" [2.5 cm] Diameter Steel, Flat Forming Head
- (1) 1.53" [3.9 cm] Diameter Aluminum, Radiused Forming Head
- (1) 1.53" [3.9 cm] Diameter Brass, Radiused Forming Head
- (1) 1.53" [3.9 cm] Diameter Steel, Radiused Forming Head
- (1) Plastic Blow Molded Storage Case



# SAFETY INFORMATION

The following explanations are displayed in this manual, on the labeling, and on all other information provided with this product:

## **⚠ DANGER**

DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.

## **⚠ WARNING**

WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

## **⚠ CAUTION**

CAUTION used with the safety alert symbol, indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

## **⚠ NOTICE**

NOTICE is used to address practices not related to personal injury.



## **⚠ READ INSTRUCTIONS**

- Thoroughly read and understand these product instructions before using this tool. Failure to follow all warnings can result in tool damage or serious physical injury.
- Keep these product instructions for future reference.

## **⚠ WARNING EYE INJURY HAZARD!**

- Striking metal surfaces can eject metal particles, dirt and debris at high velocity. Always wear ANSI approved eye protection when operating this tool.

## **⚠ WARNING HEARING DAMAGE HAZARD!**

- This tool when operated with a pneumatic tool emits high sound levels while operating. Use ANSI approved ear protection when operating.

## **⚠ CAUTION INJURY HAZARD!**

- This tool is designed to receive high-impact hammer blows. Keep fingers and hands away from striking areas when operating. Wear thick, well-fitting work gloves.
- This tool may eject sparks during use, which can ignite flammable materials or injure others nearby. Do not operate near flammable materials and keep all persons and pets away from the work area.
- Do not force tool when operated with a pneumatic hammer as the tool body can suddenly kick back causing severe hand or wrist injury. The Tool and Heads may fracture with excessive side force causing them to eject sharp pieces at high velocity.
- Always make sure the workpiece is securely clamped or anchored to avoid sudden movements which could result in injury.
- Frequently inspect condition of Tool and Heads. If cracks develop, discontinue tool use.

## **⚠ CAUTION VIBRATION INJURY HAZARD!**

- This tool will transmit vibration during use! Repeated exposure to vibration may cause physical injury.

# SET-UP AND OPERATION

## **SELECTION OF FORMING HEAD MATERIAL**

It is best to keep the Aluminum, Brass and Steel Forming Heads dedicated for use only on like materials as a small amount of each metal will become embedded in the Forming Head surface after extended use. For example: If a Steel head which has been used for working steel is then used for working aluminum, a certain amount of steel will become embedded in the surface of the aluminum thereby contaminating the material.

- **Aluminum Forming Heads** - Best used on working and forming aluminum.
- **Brass Forming Heads** – Best used on working and forming brass and copper.
- **Steel Forming Heads** – Best used on working and forming steel.
- **Plastic Forming Heads** – Most resilient surface excellent for final, gentle finessing of aluminum, copper and brass

## **SELECTION OF FORMING HEAD PROFILE**

The Radius profile Heads are best suited for forming domed and curved shapes in metal while the Flat profile Heads work well for smoothing larger, more expansive features.

## MANUAL STRIKING BODY

The Manual Striking Body is intended primarily for finer work and final finessing. It is designed to be struck with a hammer by placing the Forming Head against the workpiece, holding the Manual Striking Body firmly by the Vinyl Grip, then hitting the protruding striking end of the Manual Striking Body.

- Select the desired Forming Head, then thread it into the open end of the Manual Striking Body.
- Determine the shape to be created by defining the work area of a panel with a marker.
- Work the Forming Tool around the panel gradually shaping the entire area. Concentrating too much in one area will tend to rapidly induce work hardening.
- When work is completed, wipe the Forming Head thoroughly, unthread it from the Striking Body then place all components in the Storage Case.

### **CAUTION** INJURY HAZARD!

**Disconnect air supply from air tool (Not Included) to prevent accidental starting and potential injury while placing the Air Driven Impact bit in the bore of an air tool.**

## AIR HAMMER DRIVEN STRIKING BODY

The Air Hammer Driven, Parker Taper Striking Body works much faster, moving metal farther than the Manual Body. It is best used for rough shaping to be followed up by manual finessing.

- Insert the 0.401" Parker Taper shaft into the bore of the air hammer or rivet gun being used. (NOTE: Follow individual air tool instructions before using).
- Select the desired Forming Head, then thread it into the open end of the Air Hammer Driven Striking Body. NOTE: The Spring is in place to prevent loosening of the installed Forming Head from vibration and impact.
- Determine the shape to be created by defining the work area of a panel with a marker.
- Work the Forming Tool around the panel gradually shaping the entire area. Concentrating too much in one area will tend to rapidly induce work hardening.
- When work is completed, wipe the Forming Head thoroughly, unthread it from the Striking Body, remove Striking Body from air tool, then place all components in the Storage Case.





---

**If you have any questions about the use of this product, please contact**

The Eastwood Technical Assistance Service Department: 800.343.9353 >> email: [techelp@eastwood.com](mailto:techelp@eastwood.com)

PDF version of this manual is available at [eastwood.com](http://eastwood.com)

The Eastwood Company 263 Shoemaker Road, Pottstown, PA 19464, USA

800.343.9353 [eastwood.com](http://eastwood.com)