



**Equipment Supply Company**



# Instruction Manual

Combi Style Aluminum Bead Breaker

ESCO #40801



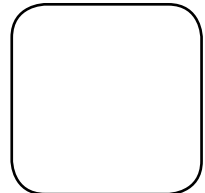
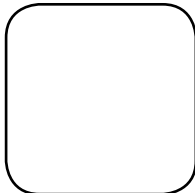
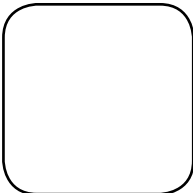
**CAUTION:**

THIS PRODUCT, AS WELL AS ALL TIRE TOOLS, SHOULD NEVER BE USED BY PERSONS UNLESS THEY HAVE BEEN TRAINED PROPERLY ACCORDING TO OSHA REGULATIONS 29CFR 1910.177 ENTITLED "SERVICING SINGLE-PIECE & MULTIPIECE RIM WHEELS".

FOR THE SAFE USE OF THIS PRODUCT, PLEASE READ INSTRUCTIONS. FAILURE TO DO SO CAN LEAD TO A VOID IN WARRANTY OR SERIOUS INJURY. PLEASE USE THIS TOOL AND OTHER TIRE SERVICE TOOLS WITH THE UPMOST SAFETY PRECAUTIONS.

**CAUTION**

Before using the product, carefully read the instructions manual and all stickers and warnings noted on the product. This is necessary to avoid injury to the operator and damage to the product.



## Product Description

The ESCO Combi Style Aluminum Bead Breaker [Model #40801] is a lightweight aluminum designed construction that separates the inside and outside beads of OTR tires from 3-piece wheel assembly with Caterpillar Rims 25" to 57".

## Product Specifications

**Ram Tonnage:** 10 Tons | 20,000 lbs.

**Rim Sizes:** 25" - 57" | 635 - 1448mm

**Stroke:** 2.75" | 70mm

**Length:** 17" | 432mm

**Height:** 13" | 330mm

**Width:** 3.5" | 89mm

**Weight:** 19 lbs. | 8.5 kg



## **MAINTENANCE & INSPECTION:**

- Visual inspection shall be made before each use of the tool, checking for cracks, cracked welds and missing and/or damaged parts. Any stand that appears to be damaged in any way should be removed from service immediately.
- Because of the potential hazards associated with the misuse of equipment of this type, no modifications should be made of the product without consent from manufacturer.

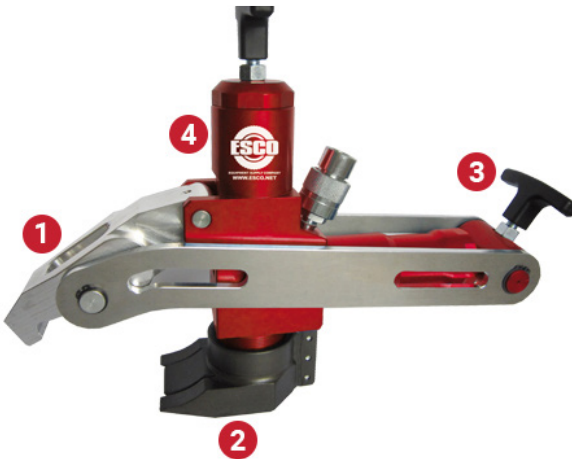
## **OPERATION:**

- To operate the tool, the operator **MUST** be a trained tire technician and must know how to demount and mount tires on tire rims using correct procedures.
- A qualified technician is available by ESCO to answer any questions regarding applications and proper use of the tool.
- Improper use of the tool for which it is designed for may void warranty.

## **BEFORE USE:**

- Before use of this tool please verify that the application of this tool is compatible. For more information about this tool or any other tools from ESCO, Please call (800) 352-9852 or email [info@esco.net](mailto:info@esco.net).
- Assemble product according to parts breakdown and assembly provided.
- Read the entire operation manual including warnings before any use of this tool.
- Always inspect the tool before use to ensure it is working properly. If there is any damage, **DO NOT** put into service. Contact the manufacturer or an authorized distributor of ESCO product and parts for replacement parts or consultation.

## PRODUCT DETAILS:



1. Hook clamping jaw
2. Redesigned Replaceable Pushing Foot
3. T-handle
4. Lightweight aluminum construction

## INSTRUCTIONS:

- Before use of this tool always check all components. All components must be in perfect condition, there must be no oil leaks, dents, or marks on the tool.
- The pump-control system assembly must be declared conforming, otherwise the tool cannot be used.
- For the connections, use hoses in new and undamaged conditions, with a perspective sleeve and suitable fittings.
- Connect the equipment to an oil-hydraulic system with adequate control systems and with a maximum pressure not higher than 700 bar.

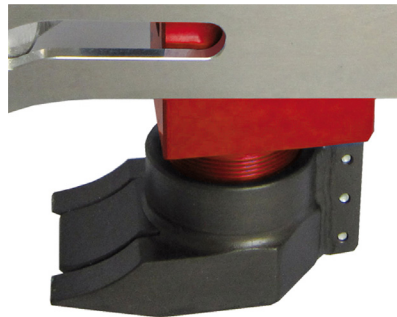
## INSTRUCTIONS: *(cont'd)*

### Bead Breaker Connection

- Connect the bead breaker to the single effect command circuit, with suitable control systems using the fittings provided.
- The system must operate at a pressure no higher than 700 bar with a flow rate no higher than 0.7 l/min.

### How To Remove The Bead

- Check that the hook is open and resting on the rim.
- Rest the bead breaker on the tire and push it under the rim.
- Operate the pump: The bead breaker will start to close the hook, which will then lock the rim and hold the bead breaker in place, which will push into the tire and detach it from the rim.
- When the rim has moved a few centimeters, insert a shim and then remove pressure from the bead breaker.
- Reposition the bead breaker at another point near the first and repeat the operation.



## INSTRUCTIONS: (cont'd)

### Precautions

- The tire must be completely deflated.
- Work only on tires that are locked in position and cannot rotate or turn, to avoid uncontrolled movement.
- Keep the bead breaker always perpendicular to the rim to avoid a bad operation.
- Hold the bead breaker up with one hand and **DO NOT** leave it hooked on. Any sudden movement of the rim ring can cause the tool to fall off the rim and drop to the ground.
- Wear strong gloves and boots with steel toe caps and keep other personnel at a safe distance of at least 6.5' | 2m.

### HANDLING AND STORAGE:

- The tool and its components must be handled and stored in an area protected from moisture and kept in temperatures between 50° F and 104° F.

### OTHER RELATED PRODUCTS BY ESCO



#70162

#10802

#10803

#10804





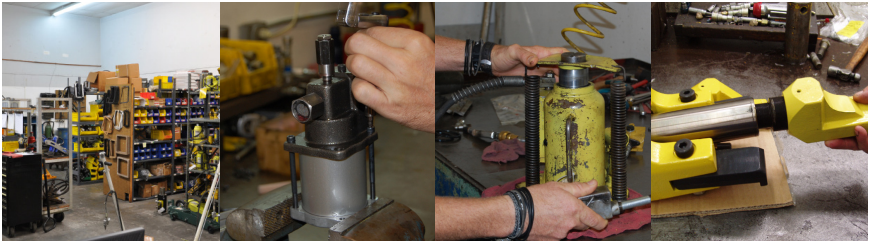


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## **GUARANTEED 1 Day Turnaround Service.**

**Received by ESCO - Repaired in 24 Hours - Returned to You!**

- ▶ ESCO will pick up product for repair/warranty at your location.
- ▶ ESCO will guarantee Repair/Service for 30 days.
- ▶ ESCO has rental tools available
- ▶ ESCO repairs IMT, FEC, Stellar, Blackhawk, OTC, Power Team, Ame Int., & Enerpac hydraulic pumps, bead breaker, and cylinders.
- ▶ Authorized ESCO Repair & Warranty Centers Located through the US & Canada. For more information contact your ESCO sales representative.
- ▶ Technical Support Over the Phone Available by Calling 1-800-352-9852



Prompt, reliable service after the sale is very important to ESCO. ESCO maintains an in-house repair facility in Brooksville, Florida. To insure that our customers have as little down-time as possible, we offer a 1 day turnaround service. Our factory repair service is equipped with all the tools and machinery needed to repair your equipment quickly and affordably. Our trained technicians are the best in the industry. Not only do we service our own products, but we also service our competitors' products.

In addition to ESCO's 30 years of providing quality repair service, ESCO has reached out and partnered with more than 50+ hydraulic repair facilities across the US & Canada, to deliver quality repair and timely return of products. Visit [www.esco.net](http://www.esco.net) or call 1.800.352.9852 to hear more about the newly added "Authorized ESCO Warranty & Repair Facilities" across the US.

If you have a bead breaker, ram, or hydraulic pump that needs repair, ESCO fixes your product with factory parts and guarantees the repair. In addition to servicing ESCO brand products, we also repair CP, IMT, Elrick, Branick, Goodyear, FEC, Ame Int., and Haltec lines of hydraulic bead breakers, rams, pumps, jacks, and many other hydraulic tire service equipment.

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# The Proper Tools To Keep Your Equipment **MOVING**



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## **CONTACT INFO:**

[www.esco.net](http://www.esco.net) - [info@esco.net](mailto:info@esco.net)

15270 Flight Path Drive

Brooksville, FL 34604

PH. 352.754.1117

Toll Free. 1.800.352.9852 (US, Canada Only)

Fax: 352.754.4508

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