



Equipment Supply Company



Instruction Manual

MEGABITE BEAD WEDGES

Model(s) #20436,20437



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.

SAFETY PRECAUTIONS

- Always wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Ensure the tire is fully deflated before attempting to break the bead.
- Use only with proper tire service tools. Never use makeshift tools or excessive force.
- Keep hands and fingers away from the bead area during operation.
- Work in a clean, stable environment free from unnecessary obstructions.
- All persons using tools and accessories should be properly trained in accordance with industry standards. Improper use may result in injury or damage to equipment.



WARNING:

- The MegaBite Bead Wedges are designed for single-piece and three-piece wheels only. Do NOT use them on multi-piece, split-rim, or specialty wheel configurations.
- Use only with appropriate tire service tools and bead-breaking equipment. Improper tools may cause damage or injury.
- Do not use excessive force or hammer the wedge into place.
- Selecting the wrong MegaBite model for your application may result in improper bead breaking. Always verify tire and wheel specifications before use.

TROUBLESHOOTING**ISSUE**

- Bead reseating before full separation.
- Excessive resistance when inserting wedge.
- Wedge slipping during use.

POSSIBLE CAUSE

- No wedge or incorrect wedge size used.
- Insufficient bead separation.
- Surface contamination or improper placement.

SOLUTION

- Ensure proper MegaBite model is inserted after initial bead break.
- Reapply bead breaker to create enough clearance .
- Clean wedge and ensure it is properly positioned before use .

PRODUCT OVERVIEW

The **MegaBite Bead Wedges** are designed to hold the tire bead down while breaking the bead at multiple locations around the wheel. By preventing the bead from reseating, they reduce stress on both the tire and the bead breaker tool, ensuring a safer and more efficient process.

Compatible with **single-piece and three-piece wheel bead breakers**, the MegaBite Bead Wedges help technicians work the bead off the wheel while minimizing strain on hydraulic tools and reducing the risk of damage.

GAP SIZES: 0.4 inches (10mm) to 1.2 inches (30mm), depending on the MegaBite model used.

KEY FEATURES

- ✓ **Lightweight Aluminum Construction** – Durable yet easy to handle for long-term use.
- ✓ **Precision Markings** – Clearly marked gap sizes for quick and easy reference.
- ✓ **Toothed Grip Design** – Provides better traction on the tire, preventing slippage during use.



USAGE INSTRUCTIONS :

Step 1: Breaking the Tire Bead

1. **Deflate the Tire Completely** – Remove the valve core to ensure no remaining air pressure.
2. **Position the Bead Breaker** – Align the bead-breaking tool against the tire sidewall.
3. **Apply Pressure Gradually** – Activate the bead breaker, working the bead off the wheel in a controlled manner.



Step 2: Installing the MegaBite Bead Wedge

1. **Insert MegaBite After Initial Bead Break** – Once a section of the bead is separated, insert the MegaBite Bead Wedge into the gap between the tire and wheel flange.
2. **Position Wedges Around the Bead Breaker** –
 - Place the MegaBite wedges in strategic locations **as you continue breaking the bead around the wheel.**
 - This ensures the bead remains separated, preventing reseating and reducing stress on both the bead and the hydraulic tool.



Step 3: Completing the Bead Separation

1. **Continue Moving the Bead Breaker Around the Wheel** – Work systematically, placing additional MegaBite wedges as needed.
2. **Repeat on Opposite Side (if necessary)** – If fully removing the tire, repeat the process on the other side of the wheel.

Post-Use Guidelines

- **Inspect the Wedges** – Check for any damage or excessive wear after each use. Replace if necessary.
- **Store Properly** – Keep MegaBite Bead Wedges in a clean, dry place to ensure longevity.
- **Clean After Use** – Wipe off any debris or lubricant residue before storage.



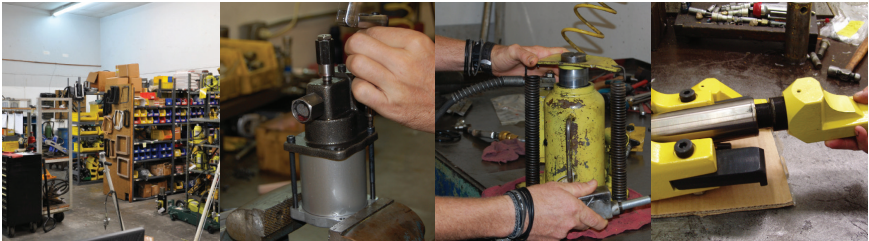


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If you have a bead breaker, ram, or hydraulic pump that needs repair, ESCO fixes your product with factory parts and guarantees the repair. In addition to servicing ESCO brand products, we also repair CP, IMT, Elrick, Branick, Goodyear, FEC, Ame Int.,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

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CONTACT INFO:

www.esco.net - 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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