INSTRUCTION MANUAL & PARTS BREAKDOWN

11044

OTR-3000 Giant Tire Bead Breaker

25 Ton, 6” Stroke

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SAFETY TIPS

INTRODUCTION

This manual includes information on operating and maintaining the OTR-3000 Giant Tire Bead Breaker. It is your responsibility to operate and maintain this unit in a manner that will result in the safest working conditions possible. AME Intl. can not be held responsible for damage or injury resulting from unsafe use of this product, lack of maintenance or incorrect product and system application.

GENERAL

- Read all warning labels and instructions. Operating instructions must be understood before using equipment.
- To avoid serious personal injury, always wear proper protective gear, such as safety glasses, hard hats, gloves and steel toe shoes when using hydraulic equipment.
- Bead Breakers should only be operated by trained and competent personnel. Work with the following organization for training and instruction in safe tire handling: Tire Industry Association—www.tireindustry.org
- Bead Breakers produce an incredible amount of force. If a bead breaker slips while under pressure, it can be propelled several meters and severely injure personnel in the trajectory zone. Always attach the tool securely to the wheel or rim and stand well back when operating hydraulic tools.

SYSTEM COMPONENTS

- Check each component before you set up your hydraulic Bead Breaker.
- Do not use damaged or worn components. Turn them in for repair or replacement.

HYDRAULIC COUPLINGS AND HOSES

- Ensure couplings are fully engaged, thread connections must be securely tightened and leak free. Never use excessive tightening force that may distort the fittings or strip the thread profile.
- Never attempt to disconnect hydraulic hose under pressure.
- Do not carry or drag equipment by a connected hydraulic hose.
- Do not drop sharp or heavy objects on hose.
- Avoid sharp bends and kinks when routing hydraulic hose.
- Applying pressure to damaged hoses or couplers may cause it to rupture.
- Never hold a hydraulic hose while pressurized.

MAINTENANCE

- Only fill pump to manufacturer specifications, and only fill when connected cylinder is fully retracted.

SAFETY TIPS

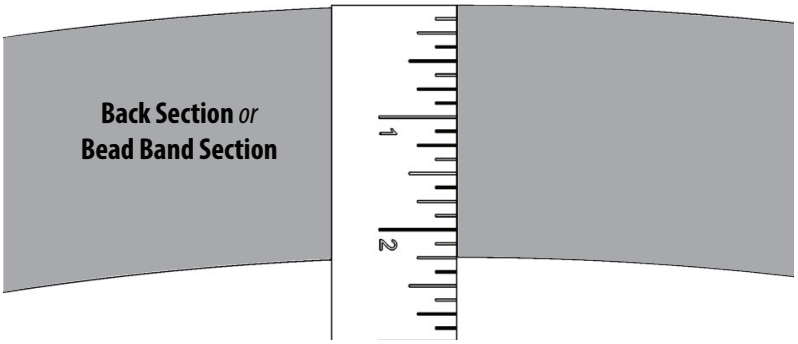
SPECIFICATIONS

The OTR-3000 Giant Tire Bead Breaker tool is designed to prevent the tool from 'kicking out' and causing injury making them the strongest, safest and most stable in the industry. The sold grip and rigidity provided by the custom jaws, breaks the tire bead from the back section or bead band of the rim without damaging the tire or rim components.

JAW SELECTION

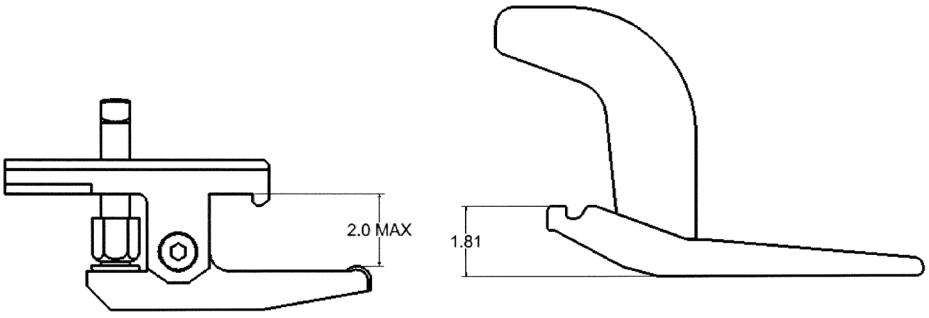
Each Bead Breaker kit is supplied with a Universal Jaw kit containing a fixed upper jaw and two removable lower jaws. Before using the tool, be sure to select the appropriate jaw based on the thickness of the back section or bead band section as detailed below and on the following page.

MEASURE THICKNESS OF BACK SECTION / BEAD BAND SECTION



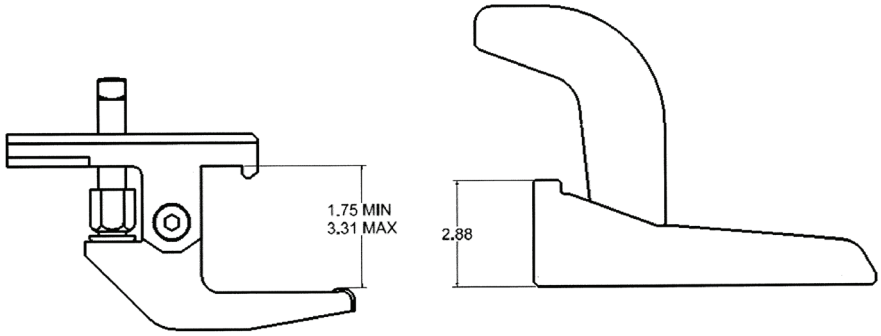
SELECT LOWER JAW BASED ON MEASURED THICKNESS

- 785-000-0066 for back sections and bead bands 2.0" (51mm) or less.
  [Bead band pictured below]



JAW SELECTION

- 785-000-0067 for back sections and bead bands 1.75" (45mm) through 3.31" (84mm). [Bead band pictured below]



WARNING

Both jaws MUST be setup using identical parts. Mismatching jaw pairs may cause premature failure of the bead breaker jaw and/or Bead Breaker, possibly resulting in serious injury or death. Use of an OTR-3000 Giant Tire Bead Breaker jaw outside of its stated thickness range may cause premature failure of the bead breaker jaw and/or Bead Breaker, possibly resulting in serious injury or death.

POSITIONING & OPERATION

STEP ONE

Connect the Giant Tire Bead Breaker to the suitable hydraulic pump. [Minimum capacity of 10,000 psi]

STEP TWO

Install the Giant Tire Bead Breaker on to the bead seat band or back section with compatible lip, groove, or pocket.

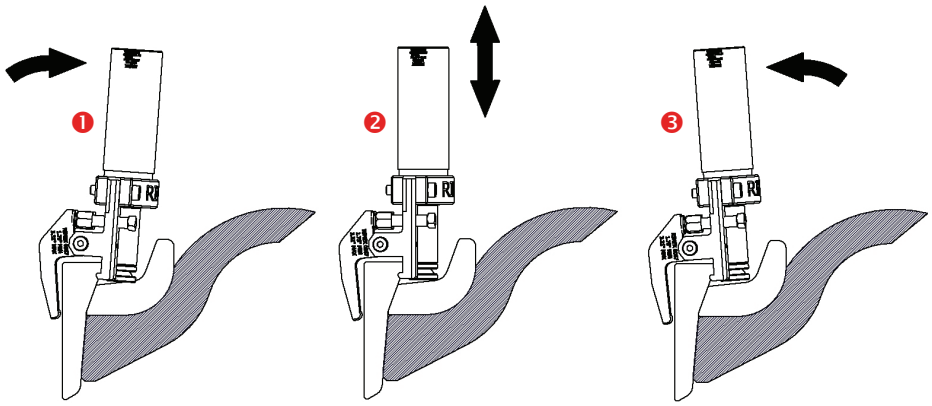
STEP THREE

Extend cylinder until extension contacts side ring face and evenly adjust both jaw set screws until breaker has a slight forward tilt. *refer* ❶

STEP FOUR

Slowly apply pressure until the bead breaker is square and upright. *refer* ❷

If the Giant Tire Bead Breaker tilts past the upright position remove the pressure immediately and reset both jaw set screws to correct the alignment. *refer* ❸

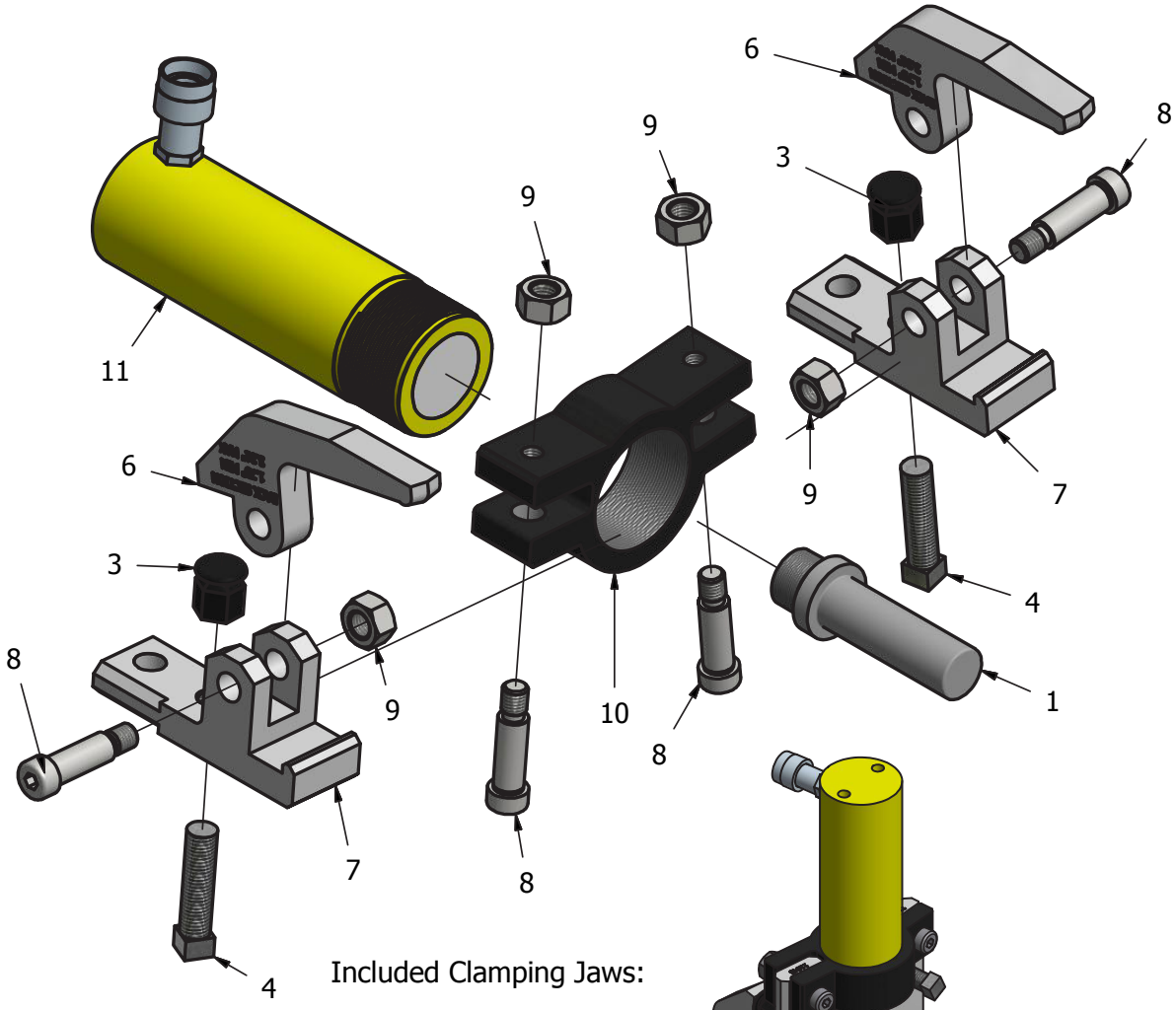


STEP FIVE

Once correct alignment is achieved apply hydraulic force until the tire breaks free of the bead seat.

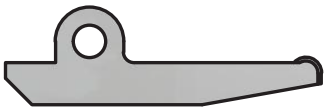
Multiple pushes may be required to break the bead. If the bead fails to break, release the pressure, move the bead breaker 45 to 90 degrees around the wheel, reset, and repeat the bead breaking operation.

PARTS LIST



Included Clamping Jaws:

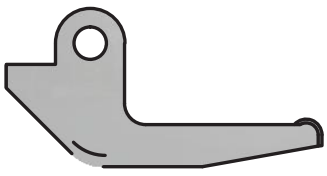
Clamping Jaw 2.0" Max

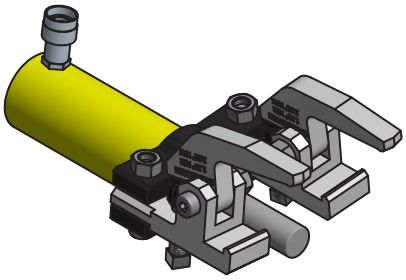


Optional Extension:

11044-002

Clamping Jaw 3.31" Max





PARTS LIST

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	11044-001	Bead Breaker Extension
2	1	11044-002	Bead Breaker Extension (Optional)
3	2	11046-001	Swivel Pad
4	2	11046-002	Screw
5	2	11046-003	Clamping Jaw Back Section: 2.0" Max
6	2	11046-004	Clamping Jaw Back Section: 1.75" Min 3.31" Max
7	2	11046-005	Rim Gutter Arm
8	4	11046-006	3/4" Shoulder x 2" x 5/8 - 11 Screw
9	4	11046-007	Hex Nut
10	1	11047	Bead Breaker Frame
11	1	13100	Cylinder, 25T 6" Stroke

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