



TIRE SERVICE INTERNATIONAL

# HH-419 BEAD BREAKER

[buyTSI.com](http://buyTSI.com) - 800.223.4540



Optional ATV Adapter shown

**Read this manual before operating**

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# Overview

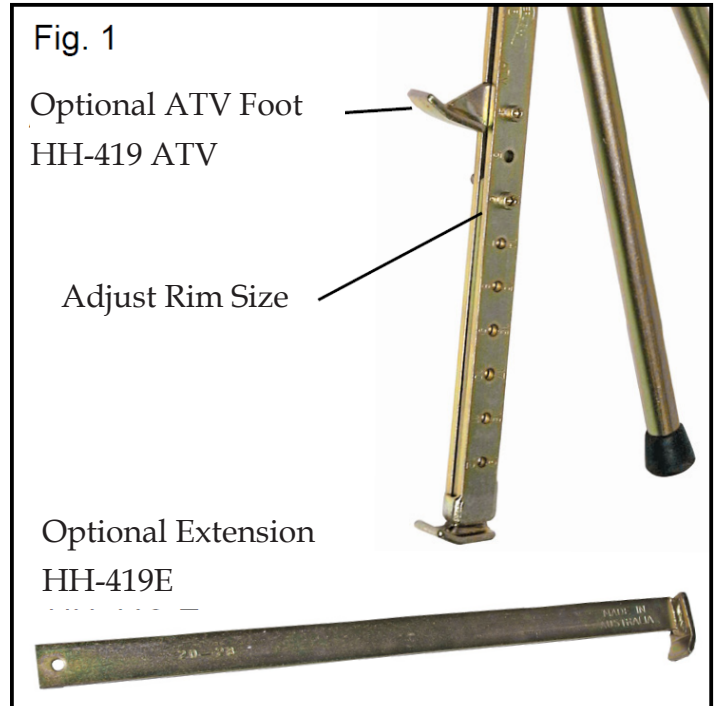
The HH-419 Bead Breaker is designed for use on all alloys, steel, painted or polished wheels and will not damage or scratch wheels when used properly. Completely adjustable, the HH-419 Bead breaker will work on all wheels with diameters of 13" to 19.5" including both safety and split type wheels. Optional extension available to extend up to 24.5". Excellent for use on 4X4's, trucks, cars, ATV's, garden equipment and trailers. Optional foot accessory can be used for ATV wheels with diameters of 4" to 12".

## Safety Precautions

- READ OPERATING INSTRUCTIONS BEFORE USING THE TOOL
- USE PROTECTIVE GEAR FOR EYES, EAR AND FEET.
- TOOL IS DESIGNED TO BE USED FOR THE PURPOSE OF TIRE BEAD BREAKING ONLY!
- DAMAGE TO THE TIRE WALL MAY OCCUR IF FULL PRESSURE IS APPLIED TO THE LONG HANDLE BEFORE THE JAWS ARE FORCED ALL THE WAY ON THE RIM AND ONTO THE TIRE BEAD.

## Operating Instruction Notes

- Remove all pressure from the tire by removing the valve core.
- Adjust HH-419 to correct rim size (13" - 19")
  - Optional (4" - 12") ATV foot accessory. Special care is needed for these tires because they have a very thin wall. Be sure to force jaws fully under the wall before applying pressure or damage to tire will result. It may help with the small tires to keep a pound or two pressure to help stiffen the wall
  - (20" - 25") with the optional extension leg (Part #HH-419-E)



# Operating Instruction Notes

- After deflating the tire with the valve core removed, center the unit on the wheel. Simultaneously apply pressure with your foot (to locate the foot tool against the rim) and with both hands on both tool handles.
- Keeping the two handles together, apply enough downward pressure to force jaws in and under the rim and tire wall. If needed, a rubber mallet may be used to drive the jaws down. If more force is needed, use a tire iron to separate the tire from the rim so the jaws can be inserted in the opening.



Optional ATV Foot shown

- Once the jaws are forced down all the way, keep outward pressure on the shorter handle, and operate the long handle outward, forcing the tire away from the rim. See arrow direction in Fig. 3.
- Repeat the steps around the tire until it is free.
- Turn the wheel over and repeat the procedure above.

Note: For dually rims, use the 4 or 5 setting to break the bead on the raised hub.



# California Proposition 65

California's Proposition 65 entitles California consumers to special warnings for products that contain chemicals known to the state of California to cause cancer and birth defects or other reproductive harm if those products expose consumers to such chemicals above certain threshold levels.

**WARNING:** Some of Tire Service International's products can expose you to chemicals including chromium compounds, which are known to the State of California to cause cancer, birth defects or other reproductive harm. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Your risk from exposure to these chemicals varies, depending on exposure time. To reduce your exposure, work in a well-ventilated area and with approved safety equipment, such as dust masks that are specially designed to filter out microscopic particles. Wash your hands after touching TSI's products.

## Warranty and Return Policy

Warranty & Workmanship you can depend on.

With over 30 years of manufacturing experience we maintain the ability to provide competitive prices while employing and manufacturing the majority of our products in the USA. Pride in our workmanship and standing behind each and every product is not just our claim but our uncompromising responsibility.

Tire Service International equipment is warranted to be free from defects in materials and workmanship for a period of one year from the date of original purchase to the original owner. Repair labor is warranted for 90 days from the date of original purchase. Bushings, blades, bearings and normal wear and tear are not covered under warranty. Careless handling, negligence, misuse, abuse, mutilation, improper operation, making unauthorized repairs, additions, and or alterations automatically cancel this warranty and relieves TSI of any obligation. Cheetah tanks claimed to be defective while under warranty will be evaluated at our manufacturing plant and either repaired if possible or exchanged and returned or credit issued to the customer account at our discretion. Damage resulting from dropping the tanks will not receive warranty consideration. Warranty parts need to be returned prepaid to the plant for credit. Any replacement parts shipped from the plant will be shipped at the customer's expense. Machines requiring warranty work must be brought to the manufacturing plant in 201 Chelsea Rd, Monticello, MN or to a repair facility authorized by TSI.

**!!WARNING!!** Goods returned without an RGA will be refused. A Returned Goods Authorization form must be obtained before returning any material or goods. All non-warranty returns will be subject to a 15% restocking fee plus any additional charges for reconditioning/repacking.

Visit [www.buyTSI.com](http://www.buyTSI.com) for any additional information. Also be sure to follow us on all the Socials, and subscribe to our YouTube channel for all our product videos.

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