

# **Operation & Instruction Manual**

for the

## **BRAKE FREE**

### **Brake Ice Breaker**

**PATENT PENDING**

**Take the time to read and fully understand  
this manual before using this tool**



**IMPROPER USE OF THIS TOOL MAY CAUSE  
DEATH, SERIOUS INJURY OR EQUIPMENT DAMAGE**

**THIS TOOL IS DESIGNED SPECIFICALLY FOR RELEASING FROZEN BRAKES  
DO NOT USE IT AS A PRY BAR, HAMMER, ETC.**

**SAVE THIS MANUAL FOR FUTURE REFERENCE**



**KEEP IN A SAFE PLACE**

## **SAFETY PRECAUTIONS**

**When using this tool, all safety precautions should always be followed to reduce the risks of personal injury, death and/or damage to equipment and property.**

1. Take the time to read and fully understand this manual prior to using the Brake Free tool. If you do not completely and fully understand, do not use this tool.
2. Wear all proper apparel - Do not wear loose clothing, neckties, jewellery or long hair which may get caught in moving parts.
3. Wear all the necessary industry approved Personal Protective Equipment.  
(Safety eyewear, hard hat, non-slip steel toed boots, gloves, etc.)
4. Do **NOT** attempt to use this tool while vehicle is in motion.
5. Immobilize the truck or trailer with suitable wheel chocking before using this tool.
6. Never use this tool in an explosive atmosphere as it may generate sparking which could possibly ignite flammable liquids, dusts or fumes.
7. Operate in a safe work environment.
8. Keep children, bystanders and pets away from work area when using this tool.
9. Stay alert and focused. Do not use this tool while under the influence of fatigue, alcohol or drugs.
10. Do not over reach. Keep footing and balance at all times.

## **TOOL CARE & MAINTENANCE**

With basic care this tool should last a lifetime. Store in a safe, clean and dry space. Store with quick pin in place. Keep guide tube free of dirt and grime. When not in use for an extended period of time, apply a thin spray of dry graphite lubricant to the inside of the guide tube to keep the impact bar moving freely without resistance. If handle is going to be retained on tool at all times and not removed when stored, it is a good idea to use a thread locking component to keep it tight and firmly secured in place.

## **LIMITED WARRANTY**

This product is under manufacturer's limited warranty for any defects for (90 days) from date of purchase. Please retain receipt as proof of purchase.

Do not use this tool for any application or job that it was not designed for. It is not a hammer or pry bar.

This warranty does not apply where the tool has been misused, abused or improperly stored or maintained, alterations have been made to the tool or any repairs have been made or attempted by others.

In no event, shall the manufacturer be liable for any indirect, incidental or consequential damage from the sale or use of this product. This disclaimer applies both during and after the terms of this warranty.

Retain this manual for all of its contents (the safety warnings and precautions, care and maintenance instructions, operating instructions and procedures).

Warning label must not be removed or covered. If warning label is damaged, missing or lost, contact manufacturer for replacement label.

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# INSTRUCTIONS - OPERATING PROCEDURES

It is extremely important that you always analyze all aspects of your application due to the variety of operating conditions and variance in different types of rims and equipment when using this product.

1. Follow all safety precautions and company protocol when using this tool.
2. When releasing froze up truck brakes, put truck in gear, shut off engine and disengage parking brake. When releasing trailer brakes, be sure that 5th wheel is locked, truck brakes are on and trailer brakes are off.
3. Always immobilize the truck or trailer with suitable wheel chocking before beginning the operating procedures.
4. Locate valve stems on both rims. Choose a rim hole without a valve stem. On dual steel rims be sure tool will not be making contact with either of the valve stems.
5. Be sure that handle, weight and impact bar are tight.
6. Insert tool so the impact tip makes direct contact with the face of the brake drum. Be sure it is the RIGHT WAY correct position (figures 1 & 2 on next page). NOT wedged between the brake drum and rim as in WRONG WAY illustrations (see figures 5 & 6 on next page)
7. Check for position of protective rubber sleeve making sure it is in correct position to protect the outer rim where the guide tube comes in contact with.
8. Remove quick pin from guide tube and impact bar assembly.
9. Align tool with center of axle. (see figure 3 on next page)
10. Hold outer guide tube firmly with one hand while applying a slight outward pressure, keeping hand behind flange of handle. Be aware of possible pinch point between impact weight and guide tube.
11. Drawback handle/impact bar up to approximately 10 to 12 inches.
12. With a swift inward motion, create the impacting contact to the brake drum. Repeat if necessary. In severe cases, using the tool to make impact to the top of the drum may also be required.
13. Re-install quick pin, remove and store tool in a safe dry place. Always store with quick pin in position.
14. Always be sure to check that froze up brake has been released and wheels are turning before driving. To help prevent the broke up ice from building up under the brake shoe, work unit back and forth a few times.

NOTE: It is best used at the bottom hole of a rim, however it can be used in other angles as long as it aligns with center of axle.

**For further instructions by video demonstration, please go to [www.brakeicebreaker.com](http://www.brakeicebreaker.com)**

## WARNING

The warnings, cautions and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.



### Instructions for Using Tool:

The illustrations below are of an inside wheel with the rim cut out to show the right and wrong way of inserting the tool through holes in the rims and the proper alignment of the tool with the center of the axle. Be sure the impact tip is up against the edge of the brake drum, keeping tool away from tire valve stems.

## RIGHT WAY

Fig. 1 - Direction contact to bottom face of drum

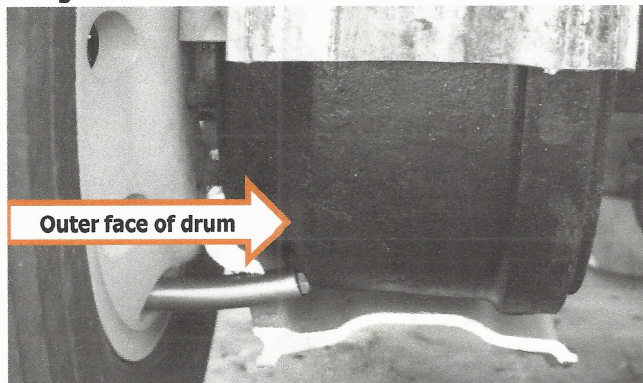


Fig. 2 - Direct contact to top face of drum



Fig. 3 - Correctly aligned with the center of axle

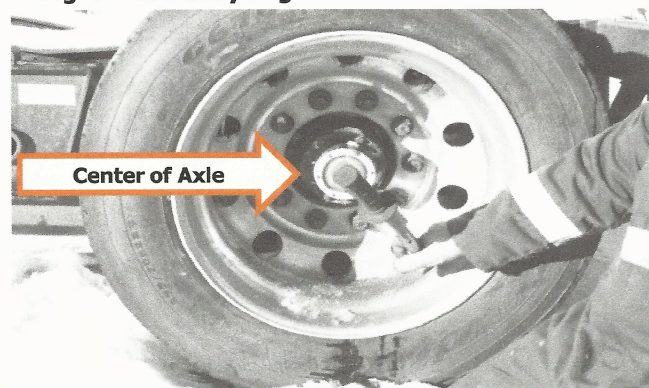
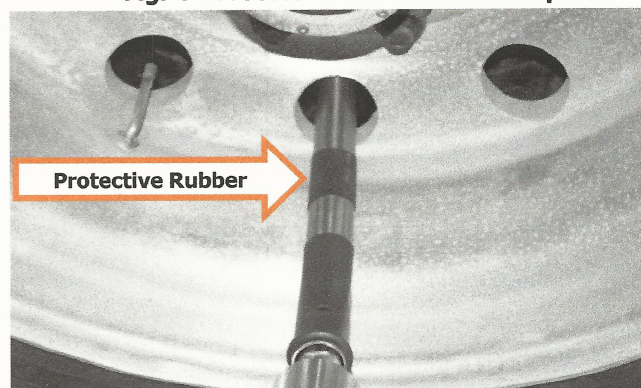


Fig. 4 - Protective rubber sleeve in place



## WRONG WAY

Fig. 5 - Bar wedged between bottom of rim & drum



Fig. 6 - Bar wedged between top of rim & drum

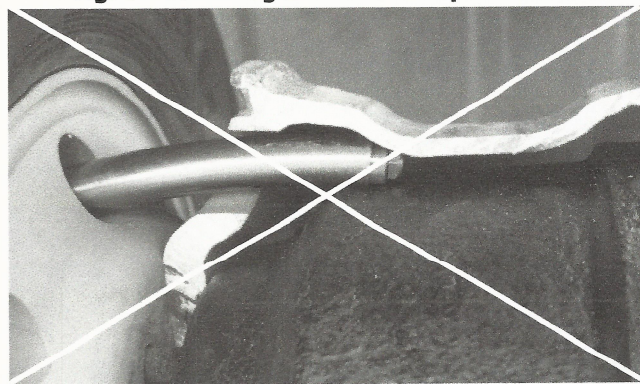


Fig. 7 - Not aligned correctly with center of axle

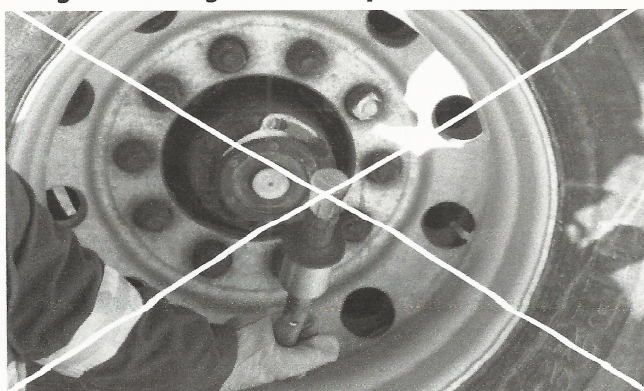
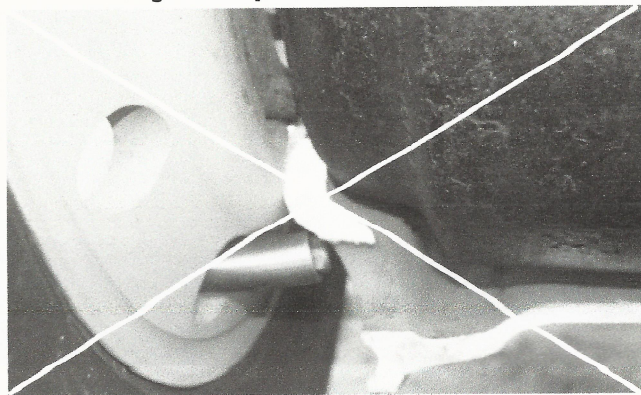
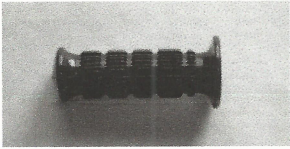
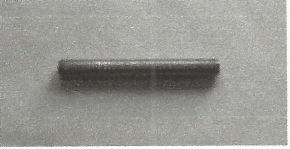
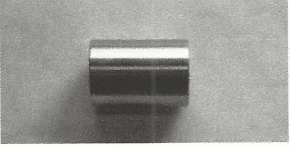
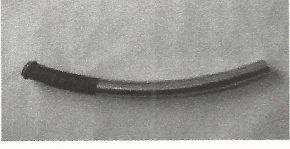
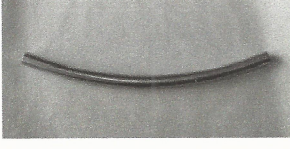

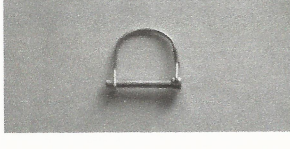
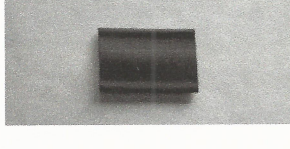
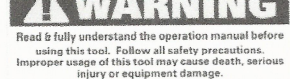


Fig. 8 - Impact bar incorrectly placed





## **PARTS LIST:**

<u>Figure</u>		<u>Part #</u>	<u>Description</u>
1		BF-0001BIB	Handle
2		BF-0002BIB	Stud
3		BF-0003BIB	Stainless Steel Weight
4		BF-0004BIB	Stainless Steel Guide Tube
5		BF-0005BIB	Stainless Steel Impact Bar
6		BF-0006BIB	Threaded Stainless Steel Impact Tip
7		BF-0007BIB	Quick Pin
8		BF-0008BIB	Guide Tube Protective Rubber Sleeve
9		BF-0009BIB	Warning Label