

# ***The Brake Releaser<sup>®</sup>***



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## PRODUCT INTRODUCTION

The Brake Releaser<sup>®</sup> by Milton<sup>®</sup> is a tool that utilizes de-icing fluid to release frozen brake lines and to pre-treat brake lines in cold weather. The tool is ONLY to be used while the TRUCK IS STATIONARY. **NEVER DRIVE WHEN THE BRAKE RELEASER<sup>®</sup> IS IN PLACE.** Always remove and store The Brake Releaser<sup>®</sup> before driving. See 'Important Safety Instructions' section of this manual for more information.

The Brake Releaser<sup>®</sup> by Milton<sup>®</sup> is designed to dissolve the ice crystals resulting from moisture build up in cold weather conditions that form in the brake airline system of semi-trailer units. The tool can work to both release frozen brake lines and to pre-treat trailers to help reduce the risk of frozen brakes. The Brake Releaser<sup>®</sup> is designed to allow for servicing trailers, dump trucks, flatbeds, and chassis; all depending on your current needs. All applications are completed when the trailer is stationary, as the failure to remove and store The Brake Releaser<sup>®</sup> before driving could result in injury or death.




Thank you for purchasing this Milton<sup>®</sup> product.


*Please read and save these instructions. Read carefully before attempting to assemble, install, operate or maintain the product described. Protect yourself and others by observing all safety information. Failure to comply with instructions could result in personal injury, death, and/or property damage! Retain instructions for future reference.*

### **NOTICE: Information that requires special attention**


This manual contains information that is very important to know and understand. This information is provided for SAFETY and to PREVENT EQUIPMENT PROBLEMS. To help recognize this information, observe the following symbols.



**WARNING** indicates a potentially hazardous situation which, if not avoided, **COULD** result in death or serious injury.



**CAUTION** indicates a potentially hazardous situation which, if not avoided, **MAY** result in minor, moderate, or severe injury.



**FLAMMABLE** indicates a potentially hazardous situation which, if not avoided, could combine with other factors or in itself, could result in death or serious injury to you or others.

## GENERAL SAFETY INFORMATION



**Read and understand the contents of this manual before using this product**  
**Protective eyewear and gloves are recommended while using this product**  
**Do NOT exceed the rated working pressure of The Brake Releaser<sup>®</sup>**

## CONFIGURATIONS

2800S-KIT	
The Brake Releaser® Standard Kit	
1	The Brake Releaser® Unit
1	45° Outlet
1	Straight Outlet
1	Instruction Manual

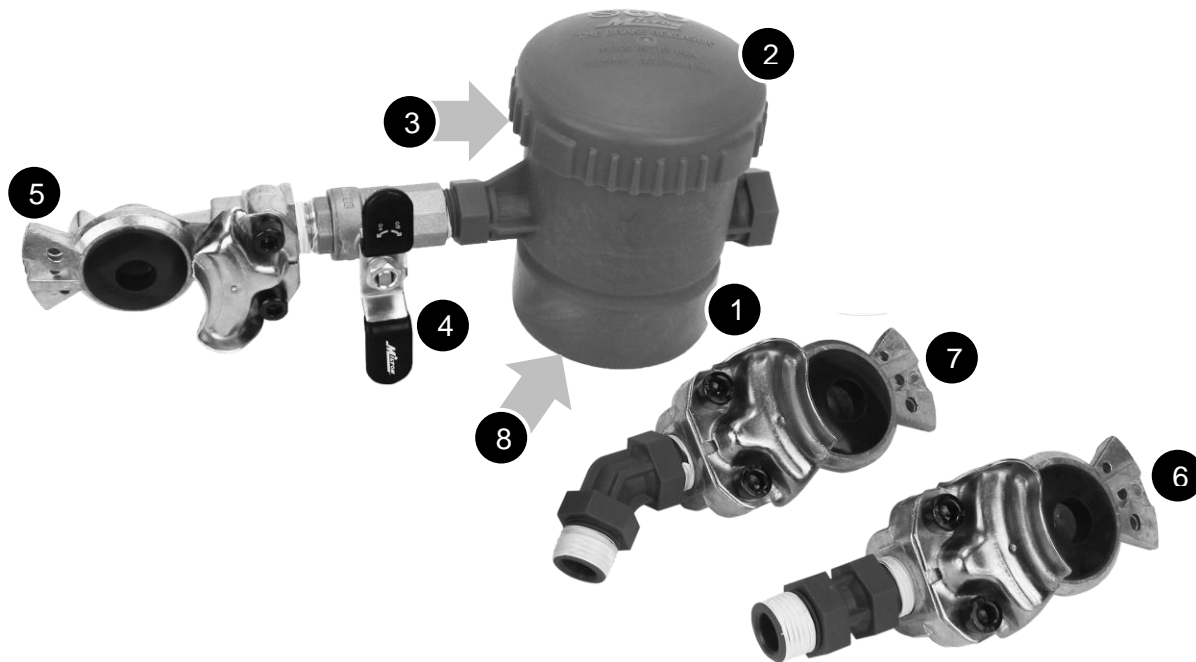
2810A-KIT	
The Brake Releaser® Kit w/ Accessories	
1	The Brake Releaser® Unit
1	45° Outlet
1	Straight Outlet
1	Instruction Manual
1	Safety Glasses
1	Safety Gloves
1	Carrying Bag

## APPLICATION

Use the glad hand connection with the straight outlet for applications using flatbeds, dump trucks and chassis.

Use the glad hand connection with the 45° angled outlet for applications using vans or reefers.

#	Description	#	Description
1	Main Reservoir (Bowl)	5	Tractor-Side Glad Hand
2	Reservoir Lid (Lid)	6	Trailer-Side Straight Double Sided Threaded Coupling (Straight Outlet) attached to Glad Hand
3	Lid Gasket	7	Trailer-Side 45° Angled Double Sided Threaded Coupling (45 Degree Outlet) attached to Glad Hand
4	Ball Control Valve	8	Safety Relief Valve



Some components of The Brake Releaser® are provided pre-assembled. Pieces may be connected with thread sealing/thread locking products. Disassembling the unit may cause damage to the parts. See section “Replacement Parts and Customer Service” of manual for replacement parts information.

To assemble The Brake Releaser®:

1. Place main reservoir (bowl) in hand so that the “Milton” logo faces you. If bowl says “Back Side” turn bowl around so the “Milton®” logo faces you
2. Verify bowl orientation so ‘Tractor’ arrow faces left and ‘Trailer’ arrow faces right
3. Select straight outlet glad hand connection or 45° outlet glad hand connection and attach it to bowl. (See section “Application” of manual for choosing correct outlet). Attach connection to bowl by twisting with hands to determine correct locking position. If outlet can be secured tightly with wrench, do so, with thread sealing tape as needed and continue to next step. If outlet threads do not screw into bowl securely, unscrew outlet and use additional Teflon tape to obtain correct thickness for locking position.
4. Screw on Reservoir Lid (2) securely by hand. DO NOT overtighten Reservoir Lid (2), and NEVER use a wrench. (NOTE: the double helix design of lid may require reverse action to engage threads properly)

Note: Reservoir lid is a double helix design to ensure a proper seal can be maintained during operation. To attach lid, a half turn backwards is required

Note: Upon completion of assembly, read all other instructions prior to usage



## GENERAL NOTES

When using this product, basic precautions should always be followed, including the following:

1. Read all instructions before using the product
2. Never drive when The Brake Releaser® is in place - always remove and store The Brake Releaser® before driving - failure could result in injury or death
3. Be aware of your surroundings. Always use device in safe place
4. Follow all safety codes as well as the Occupational Safety and Health Act (OSHA) and state Department of Transportation regulations
5. Ensure device is operating properly before each use. DO NOT remove or modify any part of the unit
6. Know how to stop this product and bleed pressure. Be thoroughly familiar with the controls prior to first use.
7. Stay alert - watch what you are doing
8. Do not operate the product when fatigued or under the influence of alcohol or drugs
9. Keep operation area clear of all persons
10. Do not overreach or stand on unstable support. Keep good footing and balance at all times
11. Follow the maintenance instructions specified in the manual
12. Always use Z87+ high impact safety glasses when using the unit
13. This product uses deicing fluid which has chemicals that are known to be dangerous. Read and become familiar with all manufacturer safety requirements for deicing fluid
14. Never use parts that are not compatible with this product

NOTE: For pressures less than 2 PSI, the gauge will not power on automatically. Manual power on should be used.

## DANGEROUS PRACTICES



### RISK OF INJECTION OR SEVERE INJURY

- This unit uses high pressure. Keep clear of The Brake Releaser® when under pressure. Do not discharge pressure at persons or animals
- Never try to stop or deflect leaks or pressure with any body part
- Always make sure lid is in correct position and safely secured



### RISK OF EXPLOSIVE MATERIALS



- The Brake Releaser® uses deicing fluid which is known to be flammable and explosive
- Do not allow cigarettes, or any other flame, or excessive heat to come in contact with or be near The Brake Releaser® unit
- Do not spray flammable liquids
- Always use outside and never use in areas containing dust, liquids, or vapors

#### NOTE:

- Use only deicing fluid specifically formulated to relief frozen brake lines on trucks. Always follow manufacturer's label recommendations for proper use of deicing fluids. Always protect eyes, skin, and respiratory system from deicing fluid
- For outdoor use only
- Clean and store product when not in use
- Remove device from installed position when not in attendance

## SERVICING OF A PRESSURIZED DEVICE

In a pressured product, altering the system to means of which it was not intended may jeopardize the safety and successful function of the product. No products to alter the pressure of this product should be added.

Servicing of a pressured product requires extreme care and knowledge of the system, and should be done by qualified service personnel.

Replacement parts for a pressurized device must be identical to the original parts. Parts may wear over time due to exposure to salt and environmental conditions.



Do not use pressure that exceeds the operation pressure of any of the parts (The Brake Releaser® apparatus, glad hands, control valves, hoses, etc.) in the pressurized system. Ensure all equipment and accessories are rated to withstand the maximum working pressure of the unit

## OPERATING INSTRUCTIONS

1. Put on safety gloves
2. Put on high impact-rated safety glasses
3. Remove The Brake Releaser® from the tractor job box/storage area
4. While truck is idling, let it run until you accumulate 120 or 125 psi in the brake storage tank (depends on your truck governor). Disengage air supply trailer valve and ensure the pressure to the supply line is zero  
NOTE: If service line is connected to trailer at this point of process, please disconnect glad hand from trailer
5. Connect The Brake Releaser® to red glad hand on emergency line of trailer. Follow directions on the Main Reservoir Bowl (1) which states "tractor" and "trailer" side mounting, and that the Ball Control Valve (4) is in the OFF (vertical) position

## OPERATION INSTRUCTIONS (cont.)

NOTE: Grasp unit by Trailer-Side Glad Hand (6 or 7) portion of The Brake Releaser® unit as to reduce strain on Main Reservoir (1) unit

6. Remove service line (red glad hand) from the tractor and connect it to The Brake Releaser® glad hand on the side marked "Tractor"  
NOTE: Grip unit by Tractor-Side Glad Hand (5) portion of The Brake Releaser® unit as to support the entire unit and to reduce strain on Main Reservoir (1)
7. Make sure all components are attached securely and that no air has been added to the system
8. Unscrew Reservoir Lid (2) and administer de-icing solution to fill Main Reservoir (1) bowl approximately halfway (typically 5 oz.). Filling the bowl to this level will allow the pressure to send the liquid sufficiently through the bowl and back to the brake lines
9. Ensure Lid Gasket (3) is seating completely within the Reservoir Lid (2)
10. Screw on Reservoir Lid (2) securely by hand. DO NOT overtighten Reservoir Lid (2), and NEVER use a wrench. (NOTE: the double helix design of lid may require reverse action to engage threads properly)
11. Slowly turn the Ball Control Valve (4) to the ON (horizontal) position to open the valve and to pressurize the Main Reservoir (1) bowl
12. Safely return to your cab and engage air supply trailer valve to apply pressure to The Brake Releaser® unit
13. When the overpressure valve makes a honking sound, disengage the air supply
14. Safely return to The Brake Releaser® unit that is still connected to tractor/trailer
15. Turn Ball Control Valve (4) to the OFF (vertical) position
16. Relieve the pressure of the unit by pulling the ring on the Safety Relief Valve (8) underneath the Main Reservoir (1) bowl to ensure zero PSI in bowl
17. Repeat Steps 8 thru 16 to ensure that enough liquid has reached the air lines
18. Slowly unscrew Reservoir Lid (2)
19. Safely disconnect The Brake Releaser® unit by reversing steps 5 and 6
20. Connect tractor's red glad hand to trailer
21. Sitting safely in your cab wait for 5 to 10 minutes while The Brake Releaser® unit works to melt the ice crystals that have formed in the airline system (time varies depending on specific outside temperature)
22. Verify if brakes have been released. If brakes have NOT been released, repeat entire procedure again to send more de-icing fluid through brake lines again
23. Remove, clean with a damp cloth, dry unit, and store in a safe place. When you reach a safe location, clean The Brake Releaser® per "Unit Cleaning" section of this manual (below). Store unit with Reservoir Lid (2) lightly attached to Main Reservoir (1) as to prevent Lid Gasket (3) from sticking to Main Reservoir (1) bowl

## UNIT CLEANING INSTRUCTIONS

1. Ensure brakes are released before storing unit
2. After unit is safely removed and original glad hand is reinstalled properly, safely dispose of any excess deicing fluid remaining in the bowl
3. When driver is in a safe environment, rinse the unit with clean water and wipe unit with a damp cloth to remove any deicing fluid, road salt, or other contaminants
4. Wipe clean with dry cloth and store in bag (if equipped)
5. Store unit with Reservoir Lid (2) lightly attached to Main Reservoir (1) as to prevent Lid Gasket (3) from sticking to Main Reservoir (1) bowl

## TROUBLESHOOTING

Review the following common occurrences which may occur while operating The Brake Releaser®, for problems not listed below, or for further clarification, contact customer service:

1. **Issue:** Reservoir Lid (2) cannot be removed from bowl after use  
**Resolution:** Relieve pressure from device by engaging Ball Control Valve (4) or releasing pressure in cab.
2. **Issue:** The Brake Releaser® unit leaks at Reservoir Lid (2)  
**Resolution:** Check to see Lid Gasket (3) is not torn, damaged or compromised, and is compressing properly. Also, check to see if top of Main Reservoir (1) bowl surface is smooth, and not damaged, and that Reservoir Lid (2) is tight
3. **Issue:** The Brake Releaser® device leaks at Ball Control Valve (4) or outlets  
**Resolution:** Part needs to be tightened with the use of Teflon tape and/or Loctite products

### THE BRAKE RELEASER® LIMITED WARRANTY

This product is under warranty to the original retail consumer against defects in material and workmanship for a period of 1 (one) year, from the date of retail purchase and is not transferable. Warranty covers replacement parts. This limited one year warranty applies only to products used in consumer applications and does not apply to rental or commercial applications. Use reasonable care in the operation and maintenance of The Brake Releaser® as described in the owner's manual.

### WARRANTY RETURNS

Items returned for warranty consideration must have a Returned Merchandise Authorization (RMA) number and proof of purchase. All unauthorized returns will be refused and shipped back to sender. Freight costs, if any, must be paid by the purchaser. Call **855-GO4-MILT (855-464-6458)** Monday through Friday 9:00 a.m. - 5:00 p.m. (Central Standard Time). Or E-Mail to: [sales@miltonindustries.com](mailto:sales@miltonindustries.com) 24 hours a day.

### REPLACEMENT PARTS AND CUSTOMER SERVICE

The Brake Releaser® was invented by a driver for the driver. At Milton Industries, Inc.® we strive for products that are maintained and used properly. For any questions on the use of the unit, selection of model types, or for general customer service, call **855-GO4-MILT (855-464-6458)** Monday through Saturday 9 AM to 5 PM or email [sales@miltonindustries.com](mailto:sales@miltonindustries.com).

## WARRANTY INFORMATION

Every Milton® product is subject to a limited warranty, to the original purchaser only, to be free from defects in material and workmanship. Subject to certain exceptions referenced herein, Milton Industries Inc.® will, at its option, replace or issue credit for a Milton® product which, after examination, is determined by Milton® to be defective in material or workmanship for a period of one (1) year after the date of purchase (certain Milton® products carry a limited warranty of up to 3 years as indicated on that product). Milton® customers must contact our Global Customer Service team to obtain an "RMA" (Returned Merchandise Authorization) form before sending any product back for credit or replacement. Return the product, copy of proof of purchase, and pre-approved "RMA" Number listed on the outside of the box to the Milton® factory (address listed below), freight prepaid and insured. This limited warranty does not apply to damage Milton® determines to be from repairs made or attempted by anyone other than Milton Industries, Inc.® authorized personnel, misuse, abuse, normal wear and tear, lack of maintenance, or accidents. Milton® products which have been damaged due to being dropped, with a cracked or broken housing are considered misuse versus normal wear and tear and NOT covered under the terms of this limited warranty. Product deemed in need of replacement due to being 'worn out' and/or due to the product having 'reached its end of life' from high use application that would 'wear out' the product within course of one (1) year or less is excluded and NOT covered under the terms of this limited warranty.

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