



# SAFETY GUIDELINES / DEFINITIONS

This instruction manual is intended for your benefit. Please read and follow the safety, installation, maintenance and troubleshooting steps described within to ensure your safety and satisfaction. The contents of this instruction manual are based upon the latest product information available at the time of publication. The manufacturer reserves the right to make product changes at any time without notice.

**▲ WARNING:** Read and understand this entire instruction manual before attempting to assemble, install, operate or maintain this product. Failure to comply with the instructions may result in serious personal injury and/or property damage!

## SPECIFICATIONS

Input Voltage .....120VDC  
Rated Current ..... 13A  
Mounting Holes ..... (2) 5/32 in. Diameter  
Power Cord .....84" L w/15A in-line blade fuse

**Specifications are subject to change without notice.**

## IMPORTANT SAFETY INFORMATION

**▲ WARNING:**  
**READ, UNDERSTAND AND FOLLOW ALL INSTRUCTIONS AND WARNINGS BEFORE OPERATING THIS PRODUCT. FAILURE TO DO SO MAY RESULT IN PERSONAL INJURY AND/OR PROPERTY DAMAGE AND WILL VOID WARRANTY.**

1. This product is not a toy. Do not allow children to play with or near this item.
2. Do not leave Defroster plugged in while starting vehicle or while vehicle's engine is off. Low voltage during these circumstances will increase heat in the wiring and may blow the fusible link in the receptacle or another fuse.
3. Check vehicle manual to ensure the 12V auxiliary power outlet is rated at 15 amps or greater. Do not use a socket extension or pigtail to operate this Defroster.
4. Risk of Burns! Keep children and pets away from this unit while it is hot. Do not place hands or feet near the vent.
5. Replace the fuse only with another 15 amp fuse of the same type.
6. Only use this Defroster for up to 20 minutes at a time.
7. Keep this product dry.
8. Do not operate other 12VDC appliances at the same time as the Defroster.
9. Do not leave the Defroster unattended when it is plugged in. Unplug the Defroster before leaving the vehicle.
10. Use as intended only.
11. Inspect before every use; do not use if parts are loose or damaged. Do not use the Defroster if either Switch does not turn it on or off.
12. Maintain product labels and nameplates. These carry important safety information. If unreadable or missing, contact Performance Tool for a replacement.

**WARNING:** The cord of this product contains lead and/or di (2-ethylhexyl) phthalate (DEHP), chemicals known to the State of California to cause cancer, and birth defects or other reproductive harm. Wash hands after handling. (California Health & Safety Code § 25249.5, et seq.)

**WARNING:** This product and its packaging contain a chemical known to the State of California to cause cancer, birth defects, or other reproductive harm.

## CONTROLS



## OPERATION

**▲ NOTICE:** To prevent blowing a fusible link on the receptacle, only use with 12V auxiliary power outlet.

1. Place the Power Switch and the LED Switch in their O (off) positions. Plug into a 15A rated 12V auxiliary power outlet **ONLY**.

**Note:** This Defroster can burn out lighter sockets.

2. Mount on dashboard, or hold over windshield for spot defrosting. Use for up to 20 minutes, and then shut off for at least 5 minutes.

3. The Defroster can be removed from the Mounting Base. By holding the Handle the Defroster can be moved around as needed.

4. The LED Switch turns the lights on/off.

5. To select either the fan only or the Defroster and fan, press the Power Switch to the setting as marked. Toggle the Power Switch to the center position to turn off these functions.

**▲ WARNING!** Do not operate longer than 20 minutes at one time, allow defroster to cool completely after use.

6. Unplug the defroster before leaving the vehicle.

**▲ WARNING! TO PREVENT FIRE: Replace fuse only with fuse of same type and rating.**



1. Pull the Fuse out of the Fuse Holder. If the wire inside the Fuse is broken the Fuse needs to be replaced, otherwise insert the Fuse back into the Holder and proceed to the next step.

2. If the Defroster's Fuse was not blown, connect another 12VDC device to the 12V auxiliary power outlet to check it.

a. If the receptacle works, have the Defroster serviced by a qualified technician.

b. If the receptacle does not work, **DO NOT USE THIS DEFROSTER WITH THAT RECEPTACLE.** That receptacle is evidently not rated to 15A, as this Defroster requires.

**Note:** Check vehicle's service manual for instructions on repairing the receptacle. Likely failure points are the fusible link on the receptacle itself or the vehicle's fuse.

## MOUNTING INSTRUCTIONS

The Defroster's base can be mounted to a vehicle using mounting Screws or adhesive strip as desired. Mounting screws and adhesive strips are not included.

### Mounting with Screws

1. Make certain that the Power Cord is long enough to reach the 12V auxiliary power outlet from the mounting location.

2. Use the Mounting Base as a guide to mark two holes in the mounting location.

**▲ WARNING! TO PREVENT FIRE:** Verify that installation surface has no hidden wires or other components before drilling or driving screws.

3. Drill pilot holes in the desired surface slightly smaller in diameter than the shaft of the mounting screws. Mounting screws not included.

4. Align the holes in the Mounting Base with the drilled holes.

5. Mount the Mounting Base using mounting screws.

### Mounting with Adhesive Strip

1. Make certain that the Power Cord is long enough to reach the 12V auxiliary power outlet from the mounting location.

2. Wipe the Base with alcohol for a grease-free surface. Allow the alcohol to evaporate.

3. Peel off one face of the adhesive strip. Adhesive strip not included. Place the strip on the face of the Base and press down and hold for one minute to adhere.

4. Prepare the mounting surface on the car following the same procedure as indicated in step 2.

5. Peel the strip backing carefully and position the Base on the surface and press into place. Leave in place for an hour before use.

# MAINTENANCE

Procedures not specifically explained in this manual must be performed only by a qualified technician.

## **▲ TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION:**

Turn both switches to their “ from its outlet, and allow it to cool completely before performing any inspection, maintenance, or cleaning procedures.

## **▲ TO PREVENT SERIOUS INJURY FROM DEFROSTER FAILURE:**

Do not use damaged equipment. If abnormal noise or vibration occurs, have the problem corrected before further use.

1. BEFORE EACH USE, inspect the general condition of the Defroster. Check for:
  - loose hardware,
  - misalignment or binding of moving parts,
  - cracked or broken parts,
  - damaged electrical wiring, and
  - any other condition that may affect its safe operation.
2. AFTER USE, wipe external surfaces of the Defroster with clean cloth. Do not use flammable liquids or harsh detergents to clean the Defroster. Do not submerge in fluid.
3. Store the Defroster in a dry location out of direct sunlight. Keep the Defroster out of the reach of children.
4. Replace Fuse with the same type and rating only.

## 90 DAY LIMITED WARRANTY

PERFORMANCE TOOL® extends only the following warranties, and only to original retail purchasers. These warranties give specific legal rights except where prohibited by local law, the law of the State of Washington governs all warranties and all exclusions and limitations of warranties and remedies. There may be other rights which vary from state to state.

PERFORMANCE TOOL® warrants the product to be free from defects in materials and workmanship under normal use and service. A defective product may be returned for a free replacement within 90 days from the date of purchase, provided that product is returned to place of purchase immediately after discovery of defect. These warranties shall be valid only when a sales receipt showing the date of purchase accompanies the defective product or defective part(s) being returned.

These warranties exclude blades, bits, punches, dies, bulbs, fuses, hoses, and other consumables which must be replaced under normal use and service. These warranties shall not apply to any product or part which is used for a purpose for which it is not designed, or which has been repaired or altered in any way so as to affect adversely its performance or reliability, nor shall these warranties apply to any product or part which has been subject to misuse, neglect, accident or wear and tear incident to normal use and service.

PERFORMANCE TOOL® does not authorize any other person to make any warranty or to assume any liability in connection with its products.

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