

# Owner's Manual & Safety Instructions

Save This Manual Keep this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures. Write the product's serial number in the back of the manual near the assembly diagram (or month and year of purchase if product has no number). Keep this manual and the receipt in a safe and dry place for future reference.

REV 15e



ITEM 60525

## 12 VOLT AUTO **DEFROSTER** WITH **LIGHT**



**Only use with  
15 amp rated auxiliary  
power outlet.**

Visit our website at: <http://www.harborfreight.com>  
Email our technical support at: [productsupport@harborfreight.com](mailto:productsupport@harborfreight.com)

When unpacking, make sure that the product is intact and undamaged. If any parts are missing or broken, please call 1-888-866-5797 as soon as possible.

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### **⚠ WARNING**

**Read this material before using this product.  
Failure to do so can result in serious injury.  
SAVE THIS MANUAL.**

# Important Safety Information

## Mounting Precautions

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1. Mount the Defroster so that it is out of direct sunlight.
2. Do not mount the Defroster on upholstered seats or flammable surfaces.
3. Verify that installation surface has no hidden wires or other components before drilling or driving screws.
4. Wear ANSI-approved safety goggles during mounting.
5. Do not mount or use when tired or when under the influence of alcohol, drugs or medication.
6. Set up the Defroster in a level location that allows at least 2 inches of air space around the sides of the unit. Make sure nothing comes in contact with the Defroster.

## Use Precautions

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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. **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.*)
13. Maintain product labels and nameplates. These carry important safety information. If unreadable or missing, contact Harbor Freight Tools for a replacement.

# Mounting Instructions



Read the **ENTIRE IMPORTANT SAFETY INFORMATION** section at the beginning of this document including all text under subheadings therein before set up or use of this product.

The Defroster's base can be mounted to the vehicle using Mounting Screws (22) or can be mounted using the Adhesive Strip (21) as desired.

## Mounting with Screws

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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 (6) as a guide to mark two holes in the mounting location.
3. Drill pilot holes in the desired surface slightly smaller in diameter than the shaft of the Mounting Screws (22).
4. Align the holes in the Mounting Base (6) with the drilled holes.
5. Mount the Mounting Base (6) using Mounting Screws (22).

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

## Mounting with Adhesive Strip

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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 (6) with alcohol for a grease-free surface. Allow the alcohol to evaporate.
3. Peel off one face of the Adhesive Strip (21). Place the strip on the face of the Base (6) and press down and hold for one minute to adhere.
7. Prepare the mounting surface on the car following the same procedure as indicated in the above mentioned paragraph.
8. Peel the strip backing carefully and position the Base (6) on the surface and press into place. Leave in place for an hour before use.

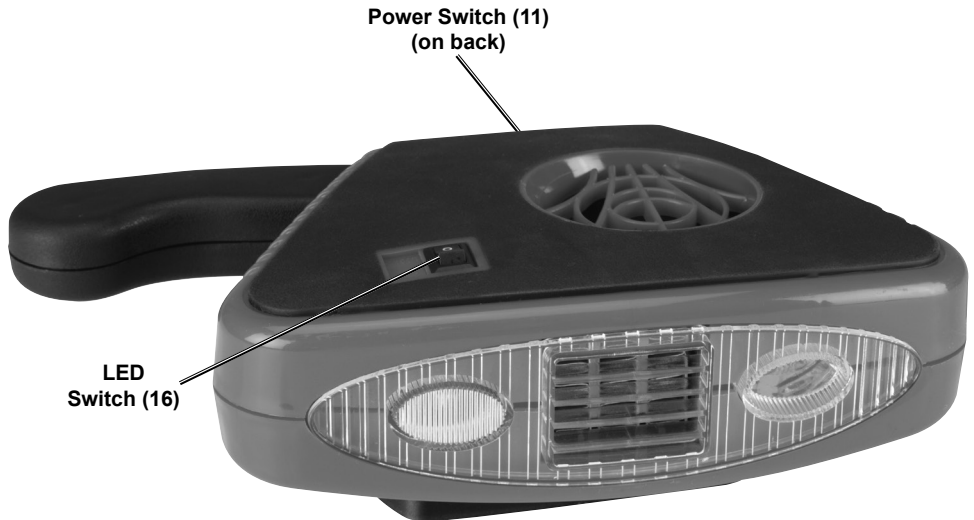
## Specifications

Power Source	12VDC, 13A
Mounting Holes	(2) 5/32" Diameter
Includes	12V Auxiliary Power Outlet Adapter with green power LED indicator
Power Cord	87" L with 15A in-line blade fuse

**Only use with 15A rated auxiliary power outlet.**

**Check vehicle manual.**

## Controls



# Operation Instructions

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

1. Place the Power Switch (11) and the LED Switch (16) in their O (off) positions. Plug into a 15A rated 12V auxiliary power outlet ONLY.

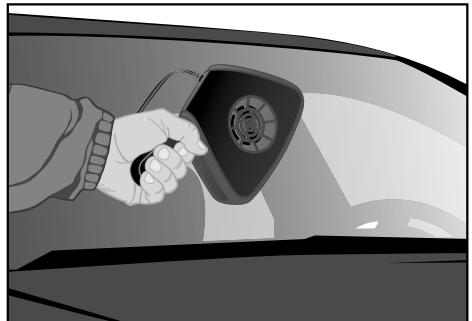
**Note:** This Defroster can burn out lighter sockets.

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 (6). By holding the Handle (4/5) the Defroster can be moved around as needed.
4. The LED Switch (16) turns the lights on/off.

5. To select either the fan only or the Defroster and fan, press the Power Switch (11) 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.



## If Defroster suddenly stops operating:

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

1. Pull the Fuse (12) out of the Fuse Holder (18). 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.

# Maintenance and Servicing



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

## **⚠ WARNING**

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

Turn both switches to their “off” position, unplug the Defroster 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.

### **Record Serial Number Here:**

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**Note:** If product has no serial number, record month and year of purchase instead.

**Note:** Some parts are listed and shown for illustration purposes only, and are not available individually as replacement parts.



## PLEASE READ THE FOLLOWING CAREFULLY

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