

TERMS OF LIMITED WARRANTY

Warranty: Products manufactured by Five Star Manufacturing are warranted for one year from date of sale to the original consumer against defects in workmanship and materials providing the installation and use of these products are in accordance with the manufacturer's instructions and applications. The manufacturer's only obligation shall be to repair or replace at manufacturer's option the product provided it is returned transportation prepaid to the factory within one year from date of sale to original consumer. Defects or failures due to normal wear, incorrect installation, improper voltage, improper usage, improper alterations, or handling, accident, misuse, abuse, neglect, mishandling, misapplication, improper or extraordinary use, inconsistent use with any instruction or recommendation issued by the manufacturer or by any other condition beyond our control, as to any and all of which the manufacturer will be the sole judge, are specifically excluded from this warranty. This may also have implied warranty rights which vary from state to state. No other liability of any kind, arising from the use of the product, whether defective or not, is assumed.

The foregoing limited warranty is exclusive and in lieu of all other warranties, whether written or oral, expressed, implied, or statutory.

No implied warranty of merchantability or fitness for a particular purpose shall apply. The limited warranty contained herein does not extend to incidental or consequential damages resulting from the use of this product, or arising out of a breach of this warranty.

Replacement and Repair Policy

- 1) In returning heater for replacement or repair, include all the information possible as to what may have caused the trouble. Check the extension cord. In some cases it has been faulty. All returned heaters must be labeled and identified with warranty tags
- 2) Service charges will be made on units which:
 - A) Were burned in air (operated without heating element being immersed in water or coolant).
 - B) Failed due to restricted circulation, improper installation, air pockets in hose lines, or dirty cooling system.
 - C) Are damaged through no fault of the manufacturer.
 - D) Failed due to installation on other than recommended vehicles.
 - E) Are not defective.
- 3) Five Star Manufacturing cannot and does not refund labor
- 4) Before returning any item to Five Star, obtain RGA # from the company.

Important...Caution

To obtain satisfactory results from your external type engine heater, please read the following information carefully.

Do not use a Kat's engine heater when using a 100% solution of anti-freeze. After the heater has been installed according to instructions, have your service station or garage check your anti-freeze solution. On permanent type ante-freeze, a solution too strong as well as too weak will freeze. If your coolant freezes or congeals, it will stop the flow of liquid through the heater housing and hoses and cause the heater to burn out. Our heater guarantee is void when this happens or when there is evidence of inadequate coolant.

To obtain maximum protection from freezing, consult your antifreeze manufacturer's recommendations.

Five Star manufacturing reserves the right to make any changes to the design or appearance it deems necessary to any of its products at anytime without notification, and these changes will not obligate Five Star to replace or change any previously manufactured products.

INSTALLATION INSTRUCTIONS FOR LOWER RADIATOR HOSE HEATERS

Warning

This unit is to be used to heat engine coolant only. If used to heat any other liquid, particularly petroleum products; it may result in an explosion and or a fire.

Outside of heater will achieve very high temperatures; it could burn the skin if touched. Keep all combustible materials at least 1 foot from heater. The heater is sold as a complete unit. Do not attempt to service unit.

Caution

Check application guide before installing heater. This is not a universal heater. It is designed to work in listed applications only.

Using any sealer or any additive to the coolant could shorten the life of the heater.

Do not use on flexible wire reinforced radiator hose.

Installation Procedures

- 1) Drain and clean cooling system.
- 2) Cut and remove 1" section from radiator hose at a point closest to the water pump until it will accept the heater. Make certain that the heater has a rise toward the water pump.
- 3) Install the heater with the cap down at the 5-7 o'clock position and the element is pointing toward the engine block. The thermostat is in the cap and it must read the water temperature to work properly.
- 4) Run cord through grill and secure, making sure it is clear of all moving or heated parts.
- 5) Check manufacturer's instructions on mix of antifreeze. Do not use more than 60% antifreeze. Refill cooling system, start engine, and check for leaks.
- 6) Before energizing heater all air must be bled out of the system by running the engine until internal thermostat opens. Continue to run engine for 30 minutes to eliminate all air pockets.
- 7) Connect to properly grounded power source to check heater operation.

Trouble Shooting

If circuit breaker trips 1) make sure that the hose heater clamps are tight and there is no leakage from the hose to the heater. 2) If the heater is plugged into a GFI outlet try a non GFI outlet. GFI outlets detects leakage from the extension cord the connections of the cords and or the heater. It could be any or all of them. 3) Check the circuit breaker and the total amperage draw on the entire circuit.

Five Star Manufacturing
1004 Central Ave
Springfield, TN 37172
1-888-872-7278