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# Installation Instructions

This guide covers the following Item Numbers:

## Standard Models

*Congratulations, you have made a wise decision. Thank you for purchasing our product.*

## Electric Fan Installation Guide

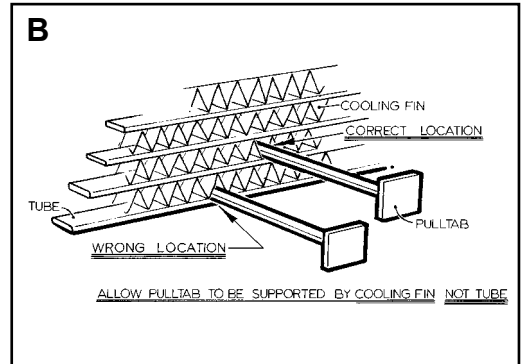
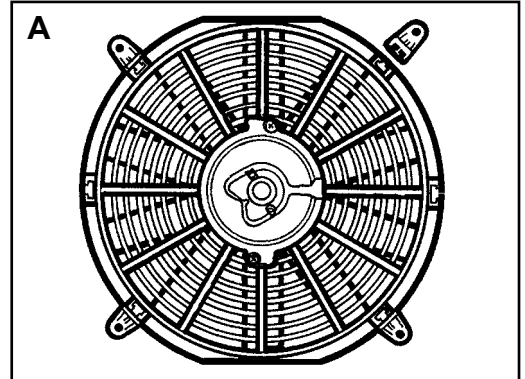
**IMPORTANT! READ ALL INSTRUCTIONS BEFORE BEGINNING INSTALLATION.**

Your new electric fan may be installed in front of the radiator and/or air conditioning condenser coil or behind the radiator. Review the various installation methods to determine the correct location and procedure for your car. Be sure to measure the mounting location for proper clearance of your new electric fan. Leave a minimum of 1" (25mm) clearance from all moving engine parts.

### STANDARD (Puller & Pusher)

If used as a "pusher" installation, the fan is about 80% efficient. When used as an auxilliary cooling fan added to an OEM fan installation, position the auxilliary fan in front of the hottest area of the radiator core. Select a location that does not block high speed airflow through the radiator core. To convert to a pusher fan, reverse the motor wires, reversing the rotation of the fan blade. The mounting feet supplied should be pressed or taped in-place before mounting the fan assembly. If the mounting feet are loose, or metal mounting straps are used, it is strongly advised to glue the feet in place with a quality plastic epoxy or use small sheet metal screws to wedge them in place. Attach the fan assembly to the radiator with the nylon ties and buttons supplied with the system. For cross-flow radiators, allow the nylon ties to be supported by the fins, NOT the cooling tubes, see illustration B. **For off-road vehicles, see note below.** Wire according to instructions provided with your wiring system. Be sure to fuse fan. A 25 or 30 amp fuse is recommended. Verify that the air flow is flowing in the correct direction.

**CAUTION:** Before driving vehicle, be sure to re-check for tightness ALL nuts, bolts, screws, clips and setscrews!! Leave a minimum of 1" (25mm) clearance between electric fan and any moving parts. **NOTE: If the electric fan is to be installed on an off-road or 4WD vehicle, a direct metal mounting strap system is strongly advised.**



U.S. Patent Number 4,617,702

## Accessories Available

Part No.	Description
104	Metal Mounting System (Four metal straps)
105	Universal Mounting System (Nylon tie mounts)
19001	Wiring System 185°F Thermal Switch (Tie wrap mount)
19005	Wiring System 185°F Threaded Thermal Switch (1/2" NPT w/mount)
19007	Wiring System 185°F Threaded Thermal Switch (1/2" NPT screw-in)
18902	Heavy Duty 30-Amp Wiring System for Dual Fans
18905	Adjustable Thermal Switch System (Probe Type)
18907	Adjustable Thermal Switch System (Threaded Type, 1/2" NPT screw-in))

For additional accessories or replacement parts  
visit [www.perma-cool.com](http://www.perma-cool.com)