



# Installation Instructions SuperCooler Cooling System

Part Numbers 70266, 70273, 70274, 70265, 70272

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This B&M Universal SuperCooler is designed to assist in cooling your automatic transmission fluid or engine oil during sustained high speed driving, pulling heavy loads, mountain driving, racing and in recreational vehicles. The cooler will guard against excessive overheating. This cooler kit can be installed in a few hours by carefully following these directions. A minimum of mechanical ability and tools are necessary for a successful installation. Read these instructions first to familiarize yourself with the parts and procedures. When installing your B&M Universal Super Cooler, there are some other B&M products that you may wish to consider:

**1. B&M Black-out Transmission Temperature Gauge.** (Part No. 80330) The B&M Black-out Transmission Temperature Gauge combines B&M accuracy with eye-catching looks. When switched off, the gauge appears black and blank. However, when switched on, the backlit gauge face reveals a vivid 270° sweep indicating a transmission's temperature.

**2. B&M Black-out Water Temperature Gauge.** (Part No. 80331) Simi-

lar to Black-out Transmission Temperature gauge, the B&M Black-out Water Temperature Gauge shares the same cutting-edge technology in accuracy and appearance. Vital to an engine's life, the water temperature must be monitored and kept controlled. B&M's Black-out Gauge will do just that, all in one stylish package.

**3. B&M Transmission Temperature Gauge.** (Part No. 80212) The B&M Temperature Gauge is accurate and dependable, and an economical safeguard against transmission overheating, the leading cause of automatic transmission failure.

**4. B&M Deep Transmission Oil Pans.** B&M offers the most complete line of deep pans. Deep pans provide an additional 3 to 4 quarts of oil capacity which significantly increases the amount of heat the oil can remove. B&M offers pans in both stamped chrome plate steel and in cast aluminum for most popular domestic transmissions.

**5. B&M Trick Shift Fluid:** A blend of foam inhibitors, extreme pressure agents and shift improvers give this fluid the maximum protection capability against heat and wear, while

delivering the fastest possible shifts available for a fluid change. You literally "Pour in Performance." Available in plastic quart bottles and comes as a synthetic.

## INTRODUCTION

The cooling system is comprised of a plate-fin oil-to-air cooler. All channels are turbulized to increase efficiency. The inlet-outlet fittings are 1/2" female NPT. Check your parts list to make sure you have all the parts to your cooler system. If you do not have the parts listed, contact your B&M dealer immediately.

## INSTALLATION

Caution: The cooler must be installed so that it is at least 1 inch away from the radiator fan, 1/8 inch away from the radiator, 2 inches away from the hood, wheelwell or firewall and 6 inches away from the exhaust manifold, pipe or header.

**STEP 1.** Decide on the best mounting position for your cooler. (See Figure 1 for mounting positions) Do not attach the B&M Universal SuperCooler System to the chassis

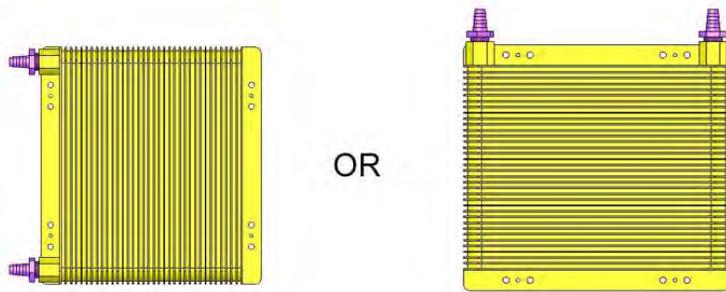


Figure 1

or frame rails that may flex during vehicle operation. This may result in leaks or oil cooler failure. Rubber isolation mounts are recommended for long service life. Remove the shipping covers from the fittings on the cooler.

**CAUTION:** to avoid damaging the oil cooler and possibly voiding its warranty, use a back-up wrench around the inlet/outlet ports on the cooler when tightening hose fittings. (See Figure 2) Excessive torque applied to the cooler without the use of a back-up wrench will create cracks

and leaks in the connections of the cooler.

Also, before installing the fitting into the 1/2" cooler ports, be certain to use an intermediate lubricating material between the threads such as liquid teflon, anti-seize compound, or teflon tape. Installing aluminum fittings into the cooler ports without any lubricating material will damage the threads on the cooler and the fittings.

**STEP 2.** Verify that the cooler is in a spot in which it can receive proper airflow.

**STEP 3.** After installation, check oil levels and fill as necessary. For engine oil, start the engine and allow it to idle for a few minutes. Turn the engine off and then after a few minutes, check the oil level again and fill as required but do not overfill as this will cause foaming. For automatic transmission oil, apply the parking brake, start the engine and place the shifter in the neutral position. The automatic transmission fluid level must be checked with the engine running and the fluid hot. Add the fluid as required but do not overfill as this will cause foaming and overheating.

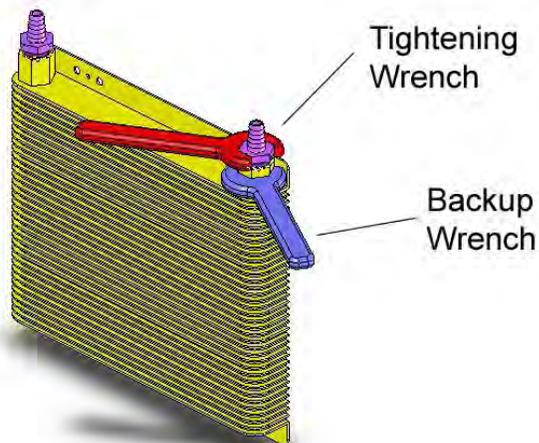
**STEP 4.** Check all of the hoses and fittings for leaks. secure the hoses so that they won't be damaged by road debris or other hazards. **RE-CHECK PERIODICALLY.**

### Parts Included

1 - B&M SuperCooler

### Questions?

For questions and concerns, call the B&M Technical Support line at 818-882-6422. One of the knowledgeable representatives will attend to your questions.



**NOTE:** Use thread lubricant on threads when installing fittings

Figure 2