

RADIATOR INSTALLATION TIPS & GUIDE

TO ENSURE LONG-LASTING, HIGH-QUALITY RESULTS FROM YOUR RADIATOR, PLEASE FOLLOW THESE TIPS & GUIDELINES:

**WARNING - NEVER OPEN A RADIATOR CAP WHEN THE ENGINE COOLANT IS HOT!
OPENING A HOT COOLING SYSTEM WILL RESULT IN SEVERE INJURY!**

The only safe way to open a radiator cap is by waiting until the engine is cold and has not been operated for several hours.

HIGH PERFORMANCE RADIATOR

You are adding a high performance radiator to your cooling system. While this radiator may closely resemble an OEM radiator, the dimensions, especially the thickness of the radiator will likely be greater.

RADIATOR INSTALLATION TIPS

Please consult with your retailer to review your plan for mounting the radiator and source any specialty items required for installation.

Installation may require mounting brackets. Depending on the model radiator, they may be included, may need to be fabricated, or purchased separately. You may also need a new fan shroud and different radiator hoses to properly fit in your vehicle.

If you feel that the installation would be better served by a professional, your retailer may recommend a reputable mechanic in your area.

COOLING SYSTEM

Care and thought should be given to implement your assembly of cooling system components. Review your selection of water pump drive pulley, thermostats, fans, shrouds, pressure cap, and coolant lines with your retailer to be certain that your selection will provide effective cooling with your new radiator.

FANS AND SHROUDS

Depending on your vehicle, you may consider either an engine driven or electric fan. With either option, a fan shroud is highly recommended. This will help direct airflow through your radiator, resulting in better cooling. Your retailer can help you select a fan and shroud that is right for your application.

NOTE: Electric fans should not be attached directly to the radiator core, as damage to the radiator will likely occur and may void any warranty. It is recommended that any electric fan be mounted securely to a fan shroud or bracket kit.

ENGINE COOLANT

Antifreeze coolant mixed with distilled water is recommended for all applications. Choose coolant specificity compatible with aluminum radiators and follow the manufacturer's recommended mixture (typically 50/50). Aluminum radiator construction requires the correct coolant chemistry and maintenance to ensure long life.

NOTE: Some vehicles have the radiator lower than the engine. This requires a different filling procedure than described below. Please refer to owners/maintenance manual, or consult with your retailer if you are unsure of the correct filling procedure for your vehicle.

FILLING:

1. Use proper safety equipment: gloves, glasses, etc.
2. Make sure engine and cooling system are cold.
3. Flush cooling system completely. Check all cooling components for failures (thermostat, pressure cap, hoses). Installing a new radiator is the ideal time to replace old components.
4. Use a premium coolant mixed with distilled water as described above to maximize corrosion resistance.
5. Loosely put the radiator cap on; **DO NOT** twist on tightly. Start vehicle.
6. Run vehicle until radiator hose is hot. Coolant may overflow out of the filler neck. When the level drops, add more fluid.
7. Replace cap and tighten.