



How To Replace A New Radiator Properly

Thank you for purchasing a new Performance Radiator. At Performance Radiator we believe in top-quality radiators, which meet or exceed the original equipment in both performance and durability. Every radiator is **leak tested** not once but **twice**. Even a tiny leak will never leave our plant so you can be sure of the quality we deliver.

Because the majority of premature failures of radiators can often be traced back to improper flush and refill the cooling system, we recommend that you follow below general procedures when replacing a new radiator.

A thorough flush will eliminate most of the corrosive contaminants in the coolant, and a new premium antifreeze refill will give a full protection to a new radiator against corrosion. When you perform both flush and refill, you minimize the possibility of corrosion and hence maximize the longevity of the new radiator. **Failure to do so** will not only **void Performance Radiator's warranty** but also create a hassle for you when the radiator fails prematurely. Even a **small amount of old coolant** in the cooling system can **lead to such failure**¹.

1. As much as half the coolant volume may be left inside the engine block if draining alone is performed.

FLUSH

1. Allow system to cool completely.² Removing the cap and drain the coolant into a suitable container. **Remember coolant is a hazardous waste and must be disposed of properly.**³
2. Disconnect hoses and transmission lines and remove the radiator. Then remove the thermostat and reinstall the thermostat housing and hose.



3. Connect water hose or preferably flushing gun to the radiator inlet hose (engine outlet) Continue to flush until the water coming out becomes clear.
4. Flush the coolant recovery bottle and hose.
5. Install new thermostat in the thermostat housing.
6. Install a new radiator and connect all hoses and lines.

2. Always use caution when removing the cap as the system is very hot and can cause injury.

3. Dispose of hazardous waste in approved disposal facility.

REFILL



7. Fill the system with top-quality antifreeze like Performance Radiator Antifreeze and distilled water⁴ mixture. 50%/50% antifreeze/water ratio is best but no more than 70%/30%.
8. Run the engine at fast idle until the thermostat opens. Then top up radiator and coolant recovery bottle with the mixture until full.

4. Although distilled water is slightly more expensive than tap water, it is still an inexpensive guarantee to the longevity of the new radiator.

If you feel you can't perform these procedures, please have a professional radiator installers do it for you.

For questions and comment, please call Dennis Irving 1-800-348-7330 or e-mail: denirv@performanceradiator.com

Quality... There is a difference!

Flush and refill procedures vary based on vehicle type, the most common procedures are presented here. Performance Radiator reserves the right to determine the effectiveness of other procedures. We do not assume any liability related to the procedure presented here.