



COOLING SYSTEM REFILL KIT

OPERATOR'S MANUAL



NEED HELP?

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Don't forget to register your product!

Get to Know Your Cooling System Refill Kit

This ARES Cooling System Refill Kit includes everything you need to quickly and easily test for leaks in your vehicle's cooling system and refill the coolant, so you can keep your car running smoothly. Thanks to its comprehensive set of adapters, our set is compatible with nearly every vehicle on the market, so whether you're a diy-er or a professional, this kit has you covered.

Set Includes:

- Apparatus for performing leakage tests and coolant refills
- Clear hose
- Tapered universal cone adapter
- 3pc. Bushings
- Convenient storage case



Directions:

Read these instructions carefully before using this Cooling System Refill Kit.

1. Drain cooling system.
2. After draining, ensure that the system is sealed.
3. Choose the proper adapter and bushing combination for your radiator or expansion tank, making sure of a snug fit.
4. Install the air fitting (not included) you need to the refill tool. Make sure the air supply valve is closed at a 90 degree position from fitting. Then install the air supply hose.
5. Place the coolant supply hose into a container holding a properly diluted coolant mixture. Make sure the supply line valve is in closed position (90 degrees from supply line). Note: It is helpful to have a container at the same height as the fill point or above. You may also need to clamp off the overflow hose to seal the system.
6. Install the refill tool, making sure you have a snug fit. Now open the air supply valve and begin drawing vacuum. As vacuum is starting to build, open your coolant supply line so that coolant fills the hose just to the refill tool to prime the hose, removing any air.
7. Continue to pull vacuum on the system. If vacuum is not being created, you have a leak in the system. Once the proper amount of vacuum is created (at least 22-24 on the gauge), shut off the air supply line, and make sure vacuum holds steady for at least 30 seconds to ensure there are no leaks.
8. Now that the air has been purged from the system, open the coolant supply line and refill the system until zero vacuum is shown on the gauge. Now your system has been filled. You may have to add additional coolant to top off the system.
9. Reinstall the cap and run the vehicle with the heater on until proper operating temp is reached, making sure all the air is out and the vehicle is operating at the proper temperature.



Maintenance and Safety:

1. Always store this Cooling System Refill Kit in its carrying case in a well-protected area where it will not be exposed to inclement weather, corrosive vapors, abrasive dust, or any other harmful elements.
2. Keep this Cooling System Refill Kit clean for better and safer performance.
3. Use safety equipment. Eye protection should be worn at all times when operating this tool. Use ANSI approved safety glasses. Everyday eyeglasses are NOT safety glasses. Dust mask, non-skid safety shoes, hard hat or hearing protection should be used in appropriate conditions.
4. Keep away from flammables. Do not attempt to operate this tool near flammable materials or combustibles. Failure to comply may cause serious injury or death
5. Before use, read and understand all warnings, safety precautions, and instructions as outlined in the vehicle manufacturer's service manual. It is beyond the scope of this manual to properly describe the correct procedure and test data for each vehicle.
6. Always perform vehicle service in a properly ventilated area. Never run an engine without proper ventilation for its exhaust. Stop work and take necessary steps to improve ventilation in the work area if you develop momentary eye, nose, or throat irritation as this indicates inadequate ventilation.



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You are backed by the ARES Tool Performance Assurance!

ARES TOOL warrants this product to be free from defects in materials and workmanship under normal use and service. A defective product may be returned for a free replacement within 90 days from the date of purchase, provide that product is returned immediately after discovery of defect. This warranty shall be valid only when proof of purchase (receipt) showing the date of purchase accompanies the defective product.

Exclusions:

These warranties exclude blades, bits, punches, dies, bulbs, fuses, batteries, and other consumables which must be replaced under normal use and service. These warranties shall not apply to any product or part which is used for a purpose for which it is not designed, or which has been repaired or altered in any way so as to affect adversely its performance or reliability, nor shall these warranties apply to any product or part which is subject to misuse, neglect, accident, or wear/tear incident to normal use and service.