

***Installation Instructions for 51225***  
**Cooling System Refiller and Air Evacuation Kit**



**1-800-345-4545 [jeps.com](http://jeps.com)**

# Parts List



Figure	Description	Quantity	Figure	Description	Quantity
1.	Adapter Assembly	1	5.	Adapter: 42 mm	1
2.	Venturi Assembly	1	6.	Adapter: 40 mm	1
3.	Adapter: Tapered	1	7.	Adapter: 35 mm	1
4.	Adapter: 45 mm	1	8.	Adapter: 31 mm	1

## Operation

Prior to using your Cooling System Refiller and Air Evacuation Kit, check your vehicle's manual to see if there is a specific process. Below is a general guide.

**Note:** For best results, your vehicle's cooling system should be completely drained prior to starting this process. Check manufacturer suggestions on how much coolant is required to make sure you have enough on hand.

**Note:** Depending on the vehicle, it may be necessary to clamp shut overflow hoses in order to create vacuum.

1. Before starting, make sure the engine is cool. This reduces the risk of injury.
2. Place adapter assembly's pickup line into a container of coolant.
3. Select the appropriate adapter (3-8) that snugly fits your radiator or expansion tank.
4. Slide selected adapter onto the bottom of the adapter assembly (1).
5. Place assembly into radiator/ expansion tank neck and turn the expansion knob clockwise until you have a secure fit. This is necessary to prevent leaks.
6. Make sure all three valves are closed on both the adapter assembly and venturi assembly (2).
7. Connect the venturi assembly to the adapter assembly using the quick release coupler.
8. Connect compressed air line to the venturi assembly. *Not included with this kit.*
9. Open air valves on venturi assembly and adapter assembly. Leave valve for coolant pickup closed. At this point you should see the gauge starting to register vacuum in the system.
10. Once the cooling system has achieved full pressurization, at least -24 on the gauge, close the air valve on the adapter assembly and venturi assembly. Disconnect compressed air line.
11. Let sit for 20 seconds, if the gauge has not moved, the system is holding pressure and there are no leaks.
12. Make sure the pickup tube is in the coolant and open coolant valve on the adapter assembly. The clear tube will let you gauge progress.

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## Operation Contd.

- This process works best if the coolant supply is situated at the same height as the cooling system refiller unit.
  - **Do not allow the pickup tube to come out of the coolant during this step. If it does, you will need to repeat the entire process.**
13. Once the pressure gauge has reached 0 your cooling system is full.
  14. Loosen expansion knob, counter-clockwise, on adapter assembly and remove from radiator/coolant tank.
  15. Once the adapter assembly has been removed, fill radiator/coolant reservoir to the proper level.
  16. Put radiator/coolant cap back on and test drive car.



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