

## 43013 VACUUM-TYPE COOLING SYSTEM FILLER KIT

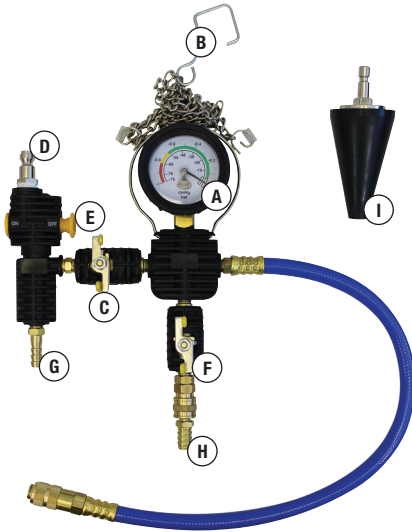
### FEATURES:

- Significantly shortens time for refilling new coolant by creating a vacuum in the cooling system
- No need to undergo the time-consuming air bleeding
- Minimizes the risks of engine overheating

### SAFETY WARNING AND PRECAUTIONS:



- Never change coolant when it is hot
- Wear goggles and gloves during operation



### PRODUCT PARTS:

- A. Gauge
- B. Hook
- C. Air Valve
- D. Air Connector
- E. Air Switch
- F. Coolant Valve
- G. Exhaust Connector
- H. Coolant Hose Connector
- I. Universal Radiator Adapter

### OPERATING INSTRUCTIONS:

#### CREATE A VACUUM

1. Drain coolant from the radiator.
2. Hook the gauge underneath the car's hood.
3. Connect an air line to Air Connector (D).
4. Connect the proper adapter or use the Universal Radiator Adapter (I) provided onto the radiator filler neck (as in Figure 1).
5. Toggle the Air Switch (E) to the ON position and open the Air Valve (C), while Coolant Valve (F) remains off, to create a vacuum in the cooling system (as in Figure 2).



FIGURE 1

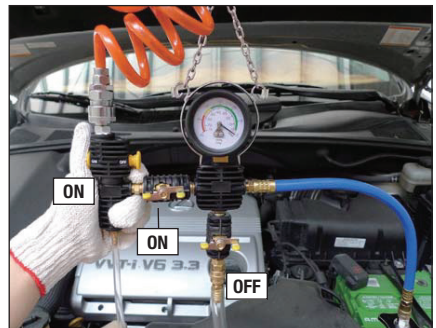
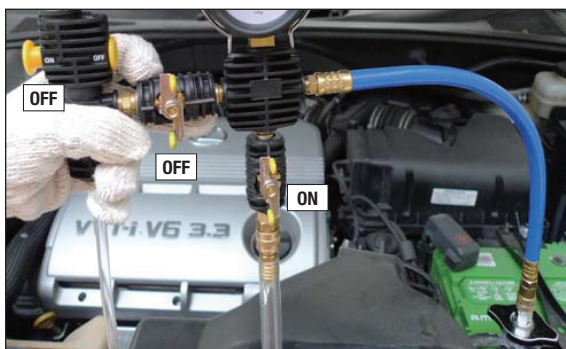


FIGURE 2

6. When the pressure falls into the range between -50 and -60 cmHg (-20 and -25 inHg), close the Air Valve (C) and toggle the Air Switch (E) to the OFF position.
7. Leave the gauge on the radiator for approximately 10 minutes to check if there are leaks in the cooling system before refilling new coolant.

#### **REFILL NEW COOLANT**

8. Connect the Coolant Hose to the Coolant Hose Connector (H).
9. Put the other end of the hose into a container filled with pre-mixed new coolant.
10. Open the Coolant Valve (F) (while the Air Valve (C) is closed and the Air Switch (E) remains OFF), coolant will flow into the radiator immediately (as in Figure 3).
11. The refilling process is completed when the gauge reads zero.
12. Before putting the gauge back to the case, remove the residual coolant in the gauge.



**FIGURE 3**

**⚠ WARNING:** This product can expose you to chemicals including lead and Di (2-ethylhexyl) phthalate, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

**For parts or service contact the service department: 1-888-825-6989**