43012 **COOLING SYSTEM VACUUM PURGE AND REFILL KIT**

FEATURES

- Refill new coolant by creating a vacuum in the cooling system
- No need to undergo time-consuming air bleeding after refilling new coolant
- Sealing collar with three rubber bushings offers a wide application for many radiator filler necks
- Minimizes the risk of engine overheating
- The fill rate = 1.5 gallons/min at full vacuum (26 inHg)

SPECIFICATIONS

2.

Vacuum Gauge 1. (43013-001-G)

Sealing Collar

Turn clockwise to expand rubber

Valve To control air and coolant flow 3.

Quick Coupling For connecting vacuum pump 4.

and coolant hose

0 - 30 inHg

Venturi Style Vacuum To connect with an air 5.

compressor to create vacuum

Rubber Bushing - small 6.

(43012-35)

0D 35 mm × ID 30 mm

Rubber Bushing - medium OD 39 mm × ID 30 mm 7.

(43012-39)

Rubber Bushing - large 8.

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0D 44 mm \times ID 30 mm

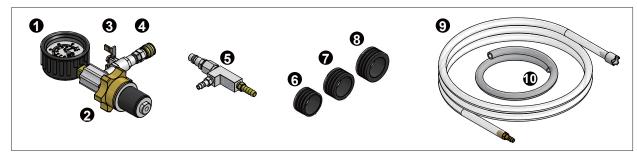
Coolant Hose \emptyset 0.5" \times 47" long 9.

 $(\emptyset 13 \text{ mm} \times 1,200 \text{ mm})$ in length

10. Drain Hose For draining residual fluid in

the tool















CAUTION

- Always read instructions carefully before using the tool
- Ensure the working area has adequate lighting
- Keep children and unauthorized persons away from the working area
- Keep work area clean, dry and free from unrelated materials
- DO NOT allow untrained persons to use this tool kit
- Always wear eye protection that meets OSHA and ANSI Z87.1 standards
- Always wear gloves when working with the tool



- Always wear ear protection
- Disposal: Customers should follow local regulations to handle used/wasted parts

INSTRUCTIONS CREATE A VACUUM

- 1. Drain the coolant from the radiator.
- Select a suitable sized rubber bushing and fit it to the lower part of the tool. Insert the tool into the radiator filler neck. Turn the sealing collar to make a seal between the tool and the radiator filler neck.
- 3. Connect the vacuum pump to the quick coupling.
- 4. Connect the drain hose to the vacuum pump in case there is residual fluid inside the system.
- 5. Connect shop air to the vacuum pump.
- 6. Turn the valve on to create a vacuum in the radiator (Fig. 1).
- 7. Turn the valve off when the gauge reading falls is between 20 24 inHg.
- 8. Disconnect the shop air from the vacuum pump.

REFILL COOLANT

- 1. Disconnect the vacuum pump from the quick coupling.
- 2. Connect the coolant hose to the quick coupling.
- 3. Put the other end of the coolant hose in a pre-mixed coolant container.
 - **NOTE:** Make sure there is enough coolant to fill the cooling system. **NOTE:** Make sure the hose end is always submerged by the coolant.
- 4. Turn the valve on to transfer the coolant into the cooling system (Fig. 2).
- 5. Turn the valve off when the gauge reading is 0 inHg.
- 6. Remove the tool from the cooling system.
- 7. Clean the tool prior to storage.





[⚠] WARNING: This product can expose you to chemicals including Di (2-ethylhexyl) phthalate, lead and lead compounds, 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

