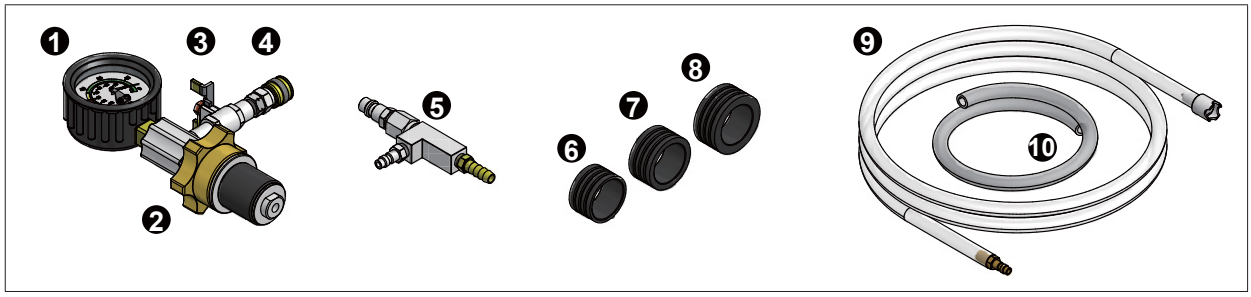
43012
COOLING SYSTEM VACUUM PURGE AND REFILL KIT

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

1.	Vacuum Gauge (43013-001-G)	0 - 30 inHg
2.	Sealing Collar	Turn clockwise to expand rubber
3.	Valve	To control air and coolant flow
4.	Quick Coupling	For connecting vacuum pump and coolant hose
5.	Venturi Style Vacuum	To connect with an air compressor to create vacuum
6.	Rubber Bushing - small (43012-35)	OD 35 mm × ID 30 mm
7.	Rubber Bushing - medium (43012-39)	OD 39 mm × ID 30 mm
8.	Rubber Bushing - large (43012-44)	OD 44 mm × ID 30 mm
9.	Coolant Hose	Ø 0.5” × 47” long (Ø13 mm × 1,200 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


Fig. 1

1. Drain the coolant from the radiator.
2. 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


Fig. 2

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