

R744 SERVICE KIT

Safety instructions: Make sure to always wear safety protections when you are working with refrigerant R744. Please note that this tool is for specialized and trained staff only.

- > Take the set 8885100176
- > Connect the LP coupler 8885400373 to the low pressure side of the hose and the HP 8885400374 to the high pressure side of the hose
- > Connect the adapter 8885400051 3/8-1/4 to the middle connection vac port of the manifold
- > Use the adapter 8885400035 on the 8885400051 in case you are using a R134a machine to create vacuum (dismount Schrader valve if installed)
- > Use the adapter 4440500008 on the 8885400051 in case you are using a R1234yf machine to create vacuum (dismount Schrader valve if installed)
- > Follow the car manufacturing instructions to open the electronic valves of the R744 system

- > Close all valves of the manifold



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-> Connect the LP and HP couplers to the car



-> Open LP and HP valves on the car (couplers)

-> Open LP valve on the manifold

-> Open very slowly the RE valve on the manifold and release the gas

-> Wait until both scales of the manifold are at zero



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-> Connect the HP side of the A/C service machine with the manifold in order to create a vacuum



-> Connect the manifold hose with the R744 bottle by using the adapter

-> Place the R744 bottle on the scale

-> Keep the valve of the bottle closed

-> Open the VAC and RE valve on the manifold

-> Turn on the machine for 30 minutes to create a vacuum in the A/C system



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- > Close all valves of the manifold
- > Disconnect the hose of the machine from the manifold (VAC port)
- > Disconnect the HP connection from the car (filling only via LP)



- > Open the valve of the R744 bottle
- > Set scale to zero
- > Slowly open the RE valve of the manifold in order to fill the A/C system with the needed amount (in our example we need to fill 420 g, see sticker)
- > Close the LP valve of the manifold when the filling is completed
- > Close the bottle valve
- > Remove the LP coupler from the car
- > Release the rest pressure from the manifold via the vacuum port by opening LP+HP

