

cps[®] **AUTOMOTIVE**

A/C Valve Core Removal Tool Kit

Part Number: TLVC5



OWNER'S MANUAL (English)

For more information or updates, visit www.cpsproducts.com

FOR USE BY QUALIFIED PERSONNEL ONLY

OVERVIEW

The **CPS® Automotive A/C Valve Core Removal Tool Kit** is designed to remove and install the valve core on automotive A/C valve bodies. The kit has a built-in ball valve to retain charge and allow access to A/C system for replacing valve cores without discharging the system, speeding recovery and recharging large systems. It's designed for R-134a and R-1234YF systems. It allows the user to change valve cores while under pressure with minimal refrigerant loss.

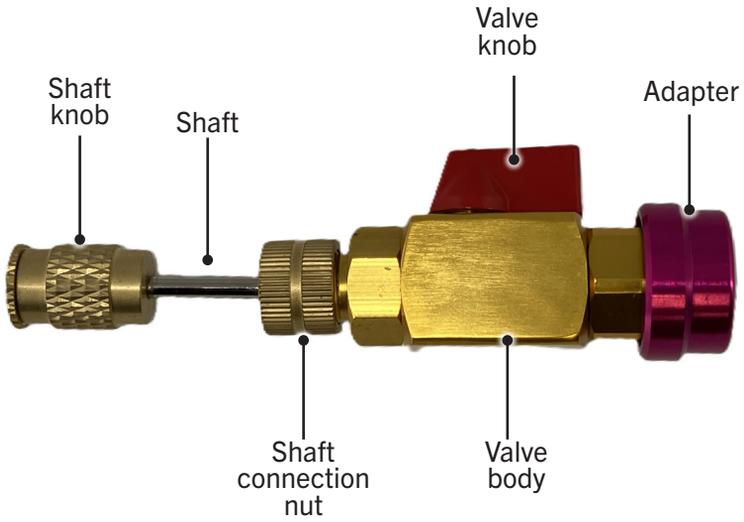
KEY FEATURES

- Designed for use of servicing valve cores in R-134a and R-1234YF systems
- Universal valve core remover/installer various connections
- Access and change valve cores while the A/C system is still filled with refrigerant
- Ball valve design and thread remover lets the user block off the system while changing the valves cores, allowing for minimal refrigerant loss

PARTS

- R-134a Quick Disconnect (High-side)
- R-134a Quick Disconnect (Low-side)
- R-1234yf Quick Disconnect (High-side)
- R-1234yf Quick Disconnect (Low-side)
- Valve Body
- Standard Valve Core Control Stem
- GM Large Bore Core Control Stem
- JRA Valve Core Control Stem
- 8mm Valve Core Control Stem
- 10mm Valve Core Control Stem

LAYOUT



GENERAL SAFETY INSTRUCTIONS

- Use caution when removing valve cores from a system
- Always use personal safety equipment (safety glasses, gloves etc.)
- Do not disassemble this tool or modify it in any way
- Do not use tools if damaged
- Do not place hands near any pinch points on the tool
- For use by qualified personnel only

INSTRUCTIONS

Tool Configuration

1. Select correct adapter and shaft according to vehicle compatibility. There are two sets of adapters. There are five different shafts.
2. Connect the adapter and shaft to the valve body. Tighten all connections to avoid refrigerant leakage.

Valve Core Removal

1. Open the Valve Knob on the valve body. The shaft will go through the valve body.
2. Connect the adapter to the service port of the car.
3. Push the shaft toward the service port. Carefully rotate the shaft until the tip of the shaft engages the body of the valve core.
4. Rotate the shaft counterclockwise to loosen the valve core.

WARNING: MAKE SURE THE SHAFT CONNECTION NUT DOES NOT START TO TURN AS YOU ARE TURNING THE SHAFT. THIS COULD CAUSE THE SHAFT CONNECTION NUT TO LOOSEN AND REFRIGERANT TO LEAK OUT!

5. Pull the shaft out all the way, and then CLOSE THE VALVE.
6. Loosen and remove the shaft connection nut from the valve body.
7. Remove the damaged valve core.

INSTRUCTIONS (continued)

Valve Core Installation

1. Insert the new valve core onto the tip of the shaft.
2. Tighten the shaft connection nut to the valve body.
3. Open the valve knob.
4. Push the shaft forward and turn the shaft clockwise to insert the valve core.
5. Once the valve core is in place, pull the shaft back and turn the valve knob to the closed position.
6. Remove the shaft from the valve body.
7. **SLOWLY** open the valve knob to assure the valve core is in place. If the valve is in place, the pressure in the tool will dissipate quickly. If the valve core is not in place, quickly close the valve and try again.
8. Remove the adapter and valve body from the car.

WARRANTY

CPS Products, Inc. guarantees that all products are free of manufacturing and material defects to the original owner for one year from the date of purchase. If the equipment should fail during the guarantee period, it will be repaired or replaced (at our option) at no charge. This guarantee does not apply to equipment that has been altered, misused or solely in need of field service maintenance. All repaired equipment will carry an independent 90- day warranty. This repair policy does not include equipment that is determined to be beyond economical repair.



WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov

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