

# PERFORMANCE ANALYSIS COMPANY

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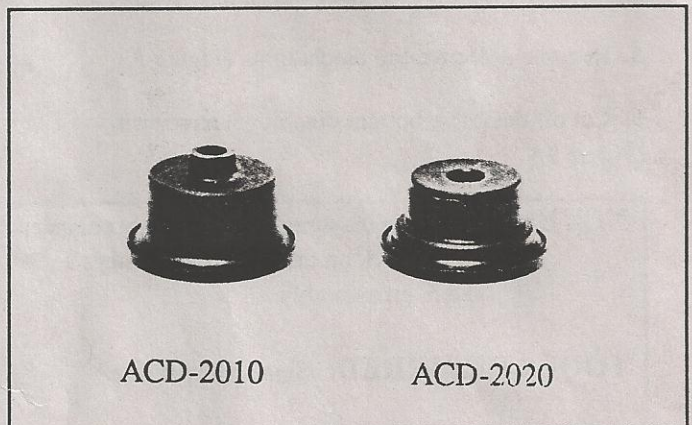
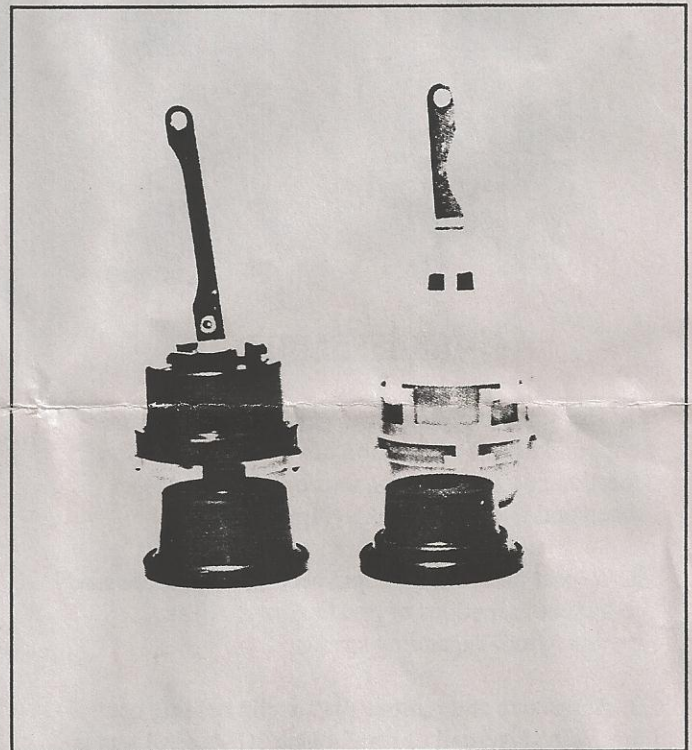
Introducing

## AC-DI™ AIR CONDITIONING VACUUM DIAPHRAGM REPLACEMENT UNITS

Designed for the repair of both Single and Double A.C. Vacuum Climate Control Elements.

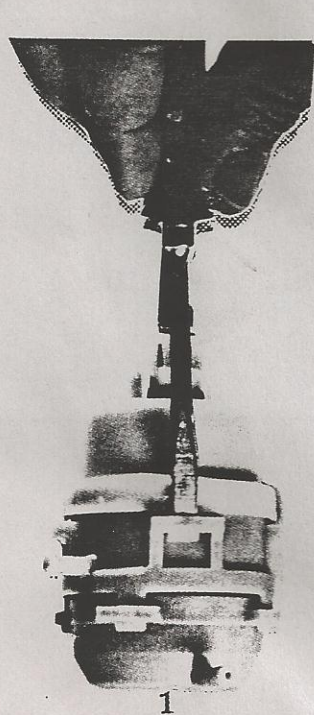


AC-DI™ exclusive plastic retainer cup - locks in bottom diaphragm and protects it from abrasion by metal spring.



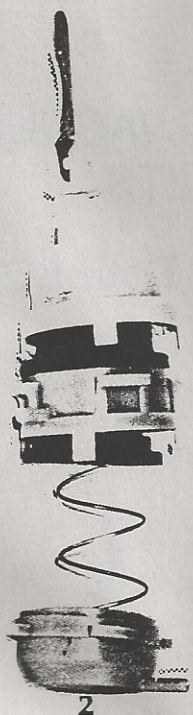
- Repair A/C vacuum actuators instead of replacing them.
- Fit A/C actuators for most Mercedes-Benz models 1972 to 1985.
- Repair single or double diaphragm actuators.
- Long lasting - constructed of ozone-resistant Neoprene rubber.
- **RECOMMENDATION** - Keep one of each style on hand for easy repair.

# A.C. DI™ - INSTALLATION INSTRUCTIONS

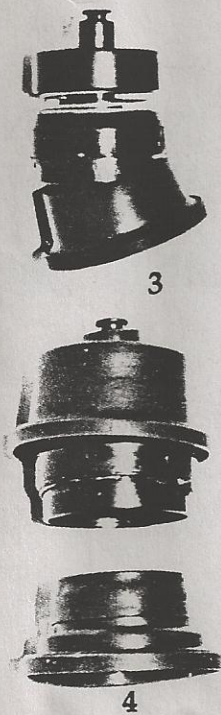


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## DISASSEMBLY

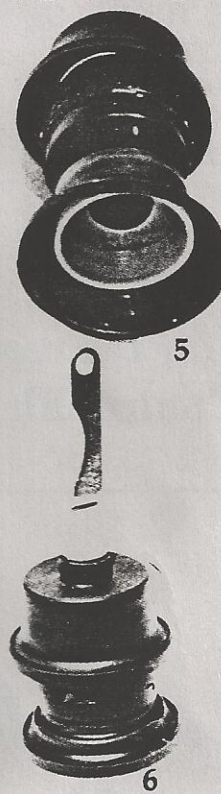


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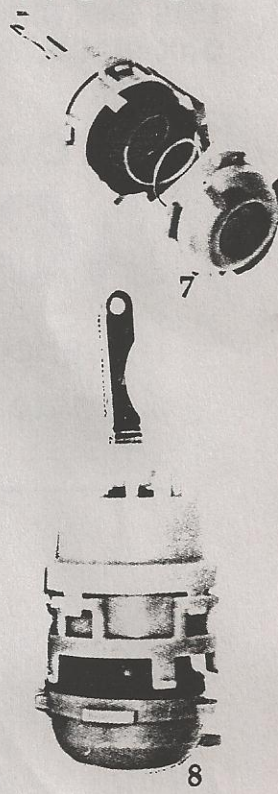
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## ASSEMBLY



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1. Use small screwdriver to gently depress retainer clips and lift off top portion of vacuum pod. (Note location of vacuum ports, to properly orient them when pod is reassembled.) (Figure 1.)
2. Repeat process on bottom section of pod. Be sure to hold both sections of pod to slowly release pressure from expanding spring.
3. Snap open and remove plastic clip holding control arm with fingernail or small blade. (If control arm is riveted on - no removal is required.) (Figure 2.)
4. Remove bottom pod section and spring. (Figure 3.)
5. Remove defective top diaphragm. (Figure 3.)
6. Cut off defective bottom diaphragm as shown. (Figure 3.)

**NOTE:** On single diaphragm pods, follow only steps 1., 3. and 5. on disassembly and steps 1., 3. and 5. on assembly.

**TOOLS REQUIRED:** Small screwdriver

**TIME REQUIRED:** Approximately 5 - 7 minutes

1. Replace top diaphragm. If control arm is riveted in place, slide new diaphragm over control arm. (Figure 4.)
2. Insert new bottom diaphragm with retainer cup into bottom cavity. Push on retainer cup until diaphragm is completely seated in bottom of cavity. (Figure 4. & 5.)
3. Snap plastic clip holding control arm on top of top diaphragm. (Figure 6.)
4. Slide middle pod section over bottom diaphragm. (Figure 7.)
5. Completely seat top diaphragm on pod recess. Put on top pod section and push together to lock clips. (Figure 7.)  
*\* NOTE: When replacing only top diaphragm, pulling a vacuum on bottom diaphragm will assist reassembly.*
6. Replace spring and bottom pod section. Rotate spring counter-clockwise until seated in bottom of retainer cup. (Figure 7.)
7. Hold control arm firmly with one hand while pushing pod sections together. Be sure bottom diaphragm is completely seated on bottom pod recess. Rotate bottom pod to align clips and vacuum port in proper position. Push pod sections together and lock clips. (Figure 8.)

8. Check all clips to make certain they are tightly closed and locked.