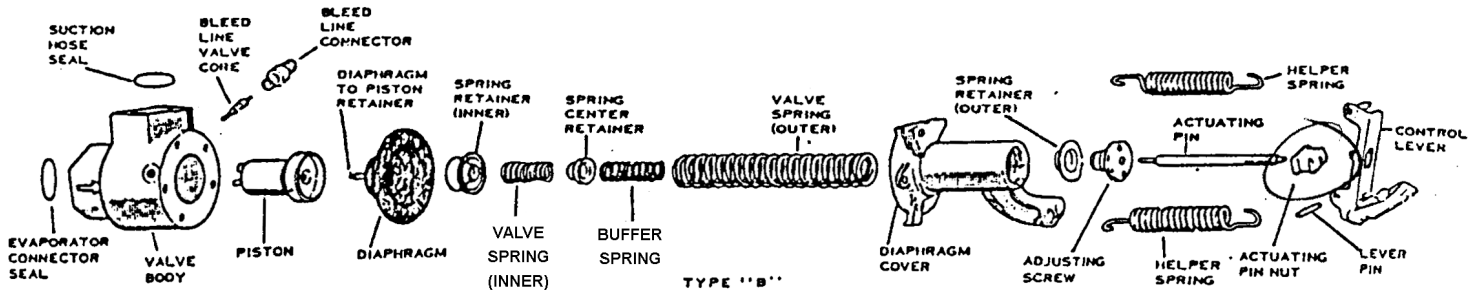


INSTRUCTIONS FOR REPAIRING THE SUCTION THROTTLE VALVE



A. REMOVAL

1. Disconnect suction hose and bleed line.
2. Disconnect unit from evaporator line and remove from vehicle.

B. DISASSEMBLY

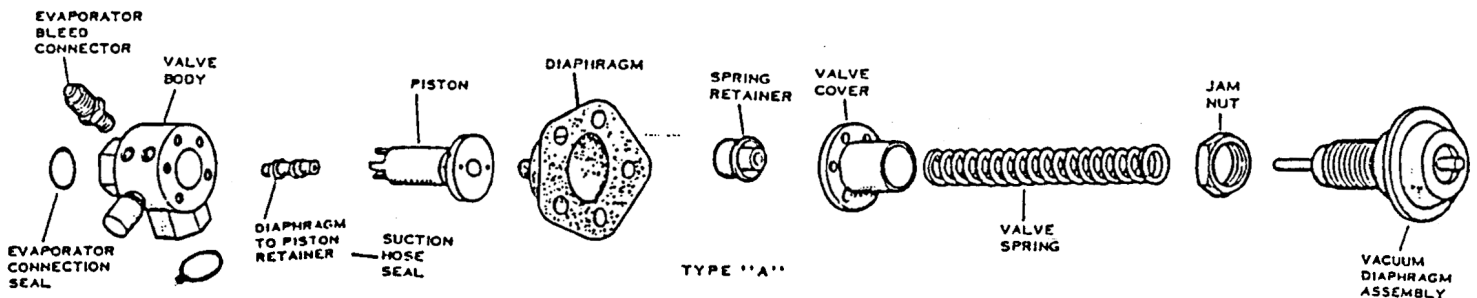
1. Disconnect helper springs.
2. Remove control lever, adjusting nut, and actuating pin.
3. Remove adjusting screw from diaphragm cover. **CAUTION**—The adjusting screw is under tension.
4. Remove diaphragm cover from valve body.
5. Remove outer spring retainer, outer valve spring, buffer spring, center spring retainer, inner valve spring, and inner spring retainer.
6. Remove piston and diaphragm assembly. Disassemble by pressing out piston to diaphragm retainer.

C. REASSEMBLY

1. Clean valve body and components with an approved cleaning solution. Blow valve body passages dry with Freon gas.
2. Assemble new diaphragm to piston. Put one end of retainer in top of diaphragm and press other end into piston.
3. Complete reassembly in reverse order of disassembly.
4. Use the new capillary tube and fitting seals as insurance against a leak developing at these connections.

D. SPECIAL NOTES

1. Cleanliness and elimination of moisture in an air conditioning system is of utmost importance. Disassemble and assemble in a clean and dry area. A little care is protection against creating dissatisfied customers.



A. REMOVAL

1. Disconnect the suction hose and equalizer line.
2. Disconnect unit from evaporator line and remove from vehicle.

B. DISASSEMBLY

1. Loosen jam nut and remove diaphragm assembly. **CAUTION**—The diaphragm assembly is under tension.
2. Remove valve spring and spring retainer from diaphragm cover.
3. Remove diaphragm cover from valve body.
4. Remove diaphragm and piston assembly.
5. Disassemble diaphragm and piston assembly by pressing out diaphragm to piston retainer.

C. REASSEMBLY

1. Clean valve body and components with an approved cleaning solution. Blow valve body passages dry with Freon gas.
2. Assemble new diaphragm to piston. Put one end of retainer in top of diaphragm and press other end into piston.
3. Complete reassembly in reverse order of disassembly.
4. Use the new capillary tube and fitting seals as insurance against a leak developing at these connections.

D. SPECIAL NOTES

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