Retaining C-ring removal tool.

Assembly bush.

Rod guide*

Back-up ring**

O-ring**

Back-up ring**

Rod seal**

Plug 1/8"G

Valve retaining screw 1/8"G*

Not self contained version

One way valve*

Cod. 39BMLS01500A

Multi device for charging, discharging and adjust gas pressure.

Cod. 59KNIPEX

Multipurpose clamp with spouts.

Cod. 49TB005 (LS5000A;LS4200A)

Reassembly guiding tube for the bushing + reassembly positioning tube for the retaining C-ring.

Cod. 58E05

Retaining C-ring removal tool.

Cod. 39PM02A

Table manual press for an easy assembly of piston-rod, assembled bushing and retaining C-ring.

Cod. 58CC05

Key with plugs to remove the rod top cap.

Cod. 39FPG

Special Springs gas detector special made to check possible gas leakage.
I. DISCHARGING.

1. Remove the protective screw cap from the charging hole (40LS...) by using the hex key (49TB...) and the clamp (49TNC)... 4. Open the charging bottle main.

2. Thread the charging device (DAPPN) and the Y-hose (47G1/8) from the charging hole (40LS...) by using the manual press (58CE05). 5. Open the charging bottle main.

3. Be sure the pressure is completely exhausted pressing down the piston shoulder. Then unwind the hose from the charging hole. 6. Release the dll-ring on the inner ring for an easy removal.

II. ONE WAY VALVE

A. Cut off of the cylinder to leave the y-hose unchanged and C-ring after operation #6.

1. Align the anti scratch nylon eye of the one way valve with the one way valve body.

2. Hang and remove the one way valve from the control panel by using the proper tool (40HEV).. 3. Hang and remove the one way valve from the control panel by using the proper tool (40HEV).

B. Charge the one way valve to a volume of 5 ml. 4. Hang and remove the one way valve from the control panel by using the proper tool (40HEV). 5. Hang and remove the one way valve from the control panel by using the proper tool (40HEV).

C. Output the valve retaining screw by using the new key (40GK20). 6. Output the valve retaining screw by using the new key (40GK20). 7. Output the valve retaining screw by using the new key (40GK20).

D. Keep the spring in the guiding tube. 8. Keep the spring in the guiding tube. 9. Keep the spring in the guiding tube.

V. CLEANING AND INSPECTION.

A. Carefully check and clean the cylinder body. If the cylinder body shows any damage or wear it must not be used again and replaced it with a new one.

1. Cut off of piston-rod, bushing and replace it with a new one. 2. Carefully check and clean the cylinder body. If the cylinder body shows any damage or wear it must not be used again and replaced it with a new one.

B. Carefully check and clean the piston-rod. If the piston-rod shows any damage, wear or scratch do not use it again.

1. Thread the discarging device (DAPPN) and the charging device (DMPCVA) into the assembly guiding tube (47G1/8) by using the manual press (58CE05).

C. Do not exceed the maximum indicated for each cylinder model.

1. Be sure the retaining C-ring is the right size. Carefully verify the tube is correctly positioned. 2. Be sure the retaining C-ring is the right size. Carefully verify the tube is correctly positioned.

II. RETAINING C-RING REMOVAL.

A. Cut the cylinder to leave the y-hose unchanged and C-ring after operation #6.

1. Cut the cylinder to leave the y-hose unchanged and C-ring after operation #6.

B. Clamp the y-hose into a self-centering chuck in a vice.

1. Clamp the y-hose into a self-centering chuck in a vice.

C. Output the valve retaining screw by using the new key (40GK20).

1. Output the valve retaining screw by using the new key (40GK20).

D. Output the valve retaining screw by using the new key (40GK20).

VII. PISTON-ROD AND BUSHING REASSEMBLY.

A. Use Special Springs gas detector to check leaks on the body.

1. Use Special Springs gas detector to check leaks on the body.

B. Use the Special Springs gas detector to check leaks on the body.

1. Use the Special Springs gas detector to check leaks on the body.

C. Charge the system to desired pressure can be easly adjusted by using the hex key (49HEV).

1. Charge the system to desired pressure can be easly adjusted by using the hex key (49HEV).

B. Adjust the required charging pressure by using the special Special Springs charging device (DMA) threaded in the charging hole and proceed to fill the gas in the desired pressure. 2. Adjust the required charging pressure by using the special Special Springs charging device (DMA) threaded in the charging hole and proceed to fill the gas in the desired pressure. 3. Adjust the required charging pressure by using the special Special Springs charging device (DMA) threaded in the charging hole and proceed to fill the gas in the desired pressure.

D. When charging directly through the bottle valves. 4. When charging directly through the bottle valves.

1. When charging directly through the bottle valves.

B. After threading the T-handle M8 (59VU) into the rod head threaded hole, pull completely the unit piston-rod and bushing.

1. After threading the T-handle M8 (59VU) into the rod head threaded hole, pull completely the unit piston-rod and bushing.

C. Select and assemble the desired retaining ring for the piston-rod bushing. Usually the gauge on the right displays the set charging pressure. 2. Select and assemble the desired retaining ring for the piston-rod bushing. Usually the gauge on the right displays the set charging pressure.

D. Preserve the valve retaining screw for reassembly.

1. Preserve the valve retaining screw for reassembly.

A. Preserve the screw cap from reassembly.

1. Preserve the screw cap from reassembly.

B. Preserve the O-ring on the assembled bushing.

1. Preserve the O-ring on the assembled bushing.

C. Preserve them for reassembly.

1. Preserve them for reassembly.

X. PRESSURE ADJUSTING.

A. When required the adjusting pressure can be easly adjusted by using the manual press (58CE05). 2. When required the adjusting pressure can be easly adjusted by using the manual press (58CE05).

B. Use Special Springs gas detector to check leaks on the body.

1. Use Special Springs gas detector to check leaks on the body.

C. Use Special Springs gas detector to check leaks on the body.

1. Use Special Springs gas detector to check leaks on the body.

D. Use Special Springs gas detector to check leaks on the body.

1. Use Special Springs gas detector to check leaks on the body.

E. Use the Special Springs gas detector to check leaks on the body.

1. Use the Special Springs gas detector to check leaks on the body.

D. Use the Special Springs gas detector to check leaks on the body.

1. Use the Special Springs gas detector to check leaks on the body.

C. Use the Special Springs gas detector to check leaks on the body.

1. Use the Special Springs gas detector to check leaks on the body.