



How to Clean an Electric Valve for Air Horns

This guide shows how to clean an electric valve for air horns.

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INTRODUCTION

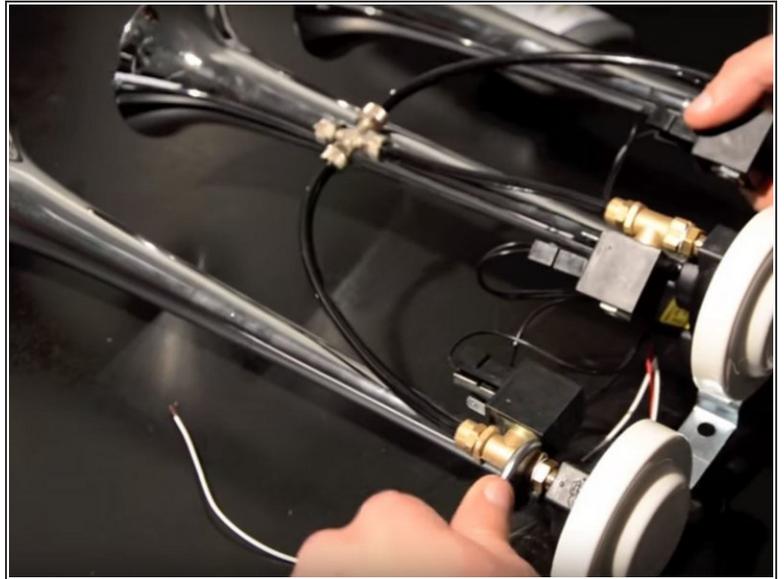
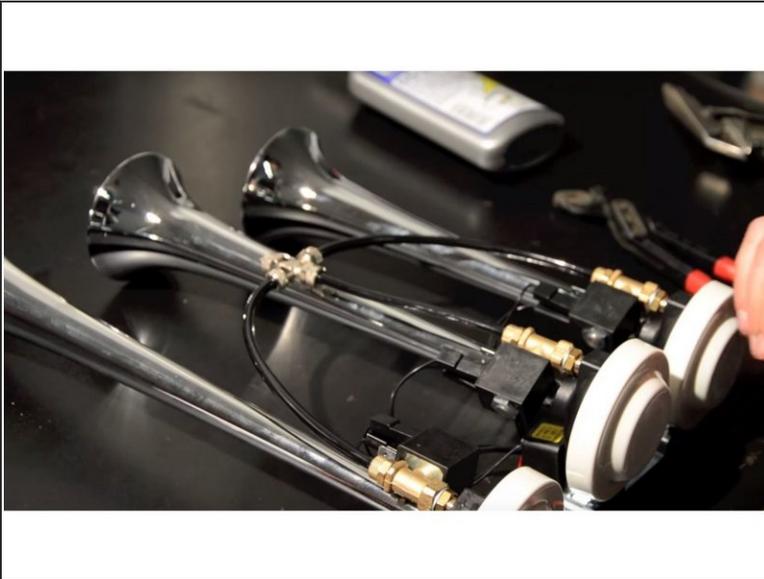
This example is done on a MARCO P1/2-E but applies to any horn that needs an electric valve to operate. These valves need periodic cleaning due to dirt in the pressure system.

[Manufacturer Website](#)

TOOLS:

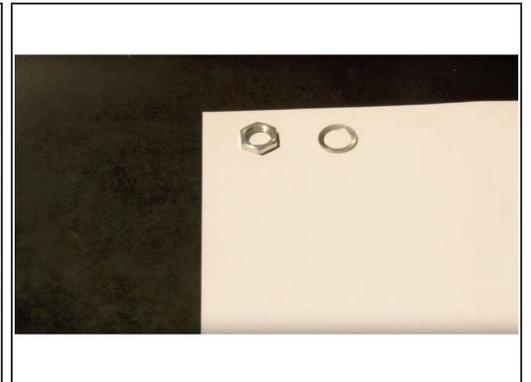
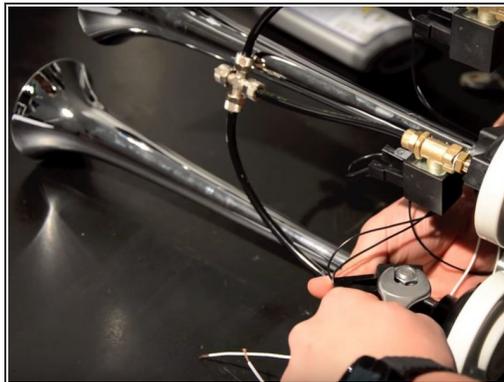
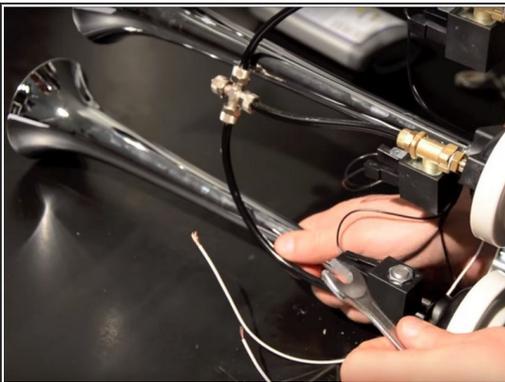
- [Threadlocker](#) (1)
 - [14 mm Socket Wrench](#) (1)
 - [Compressed Air](#) (1)
 - [Rib Joint Pliers](#) (1)
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Step 1 — Rotate the valve to have easier access



- Use the socket wrench to rotate the valve.

Step 2 — Unscrew the fixing nut



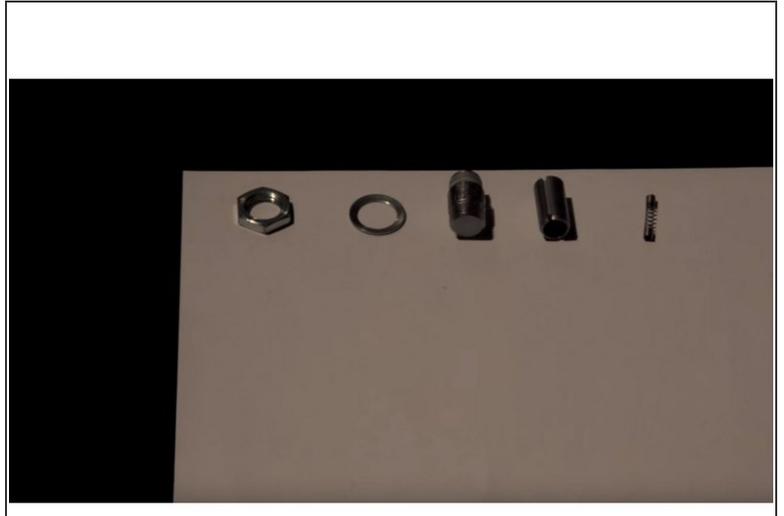
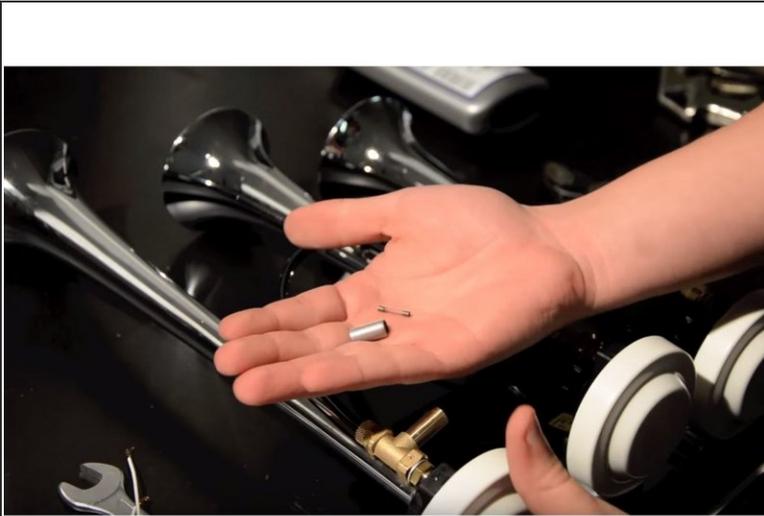
- Unscrew the fixing nut using the wrench.
- Don't lose the pieces: put them in order in a safe place. A good example is a white sheet of paper.

Step 3 — Unscrew the head of the valve



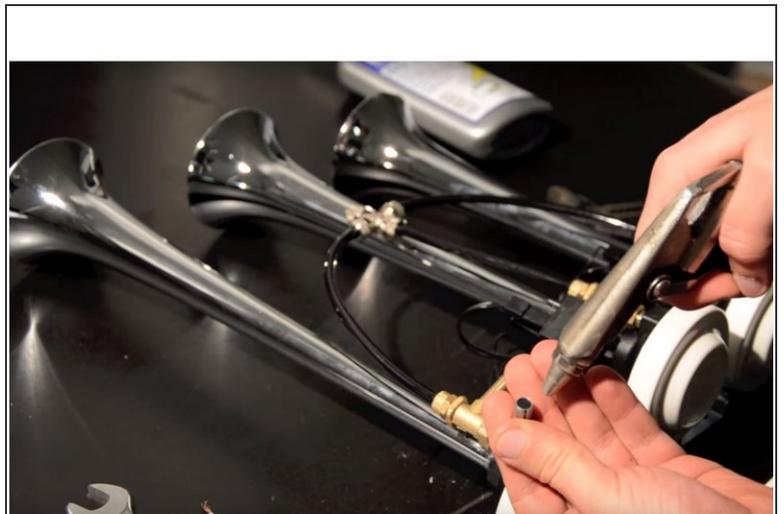
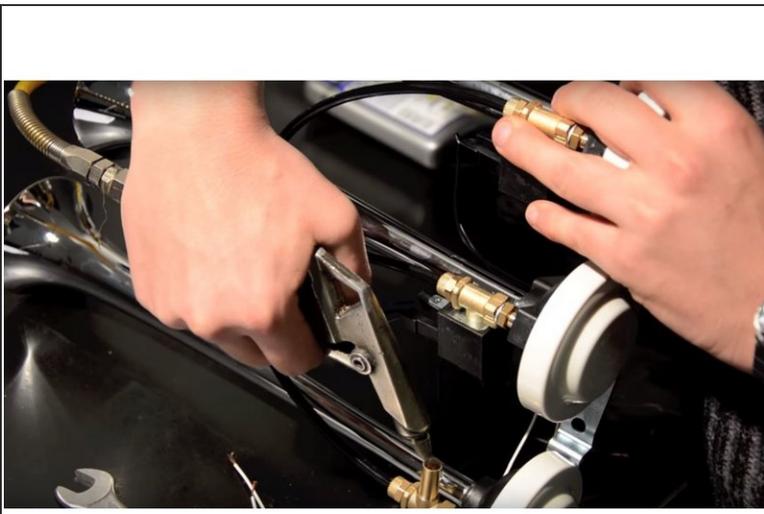
- Remove the solenoid (the black plastic box).
- Carefully unscrew the head of the valve: it could be hard to remove due to the threadlocker.
- Use the Rib Jonit plier and apply a counterclockwise rotation on it.
- Finish the unscrewing by hand.
- Don't lose the head: put it, again, in a safe place.

Step 4 — Remove piston and spring



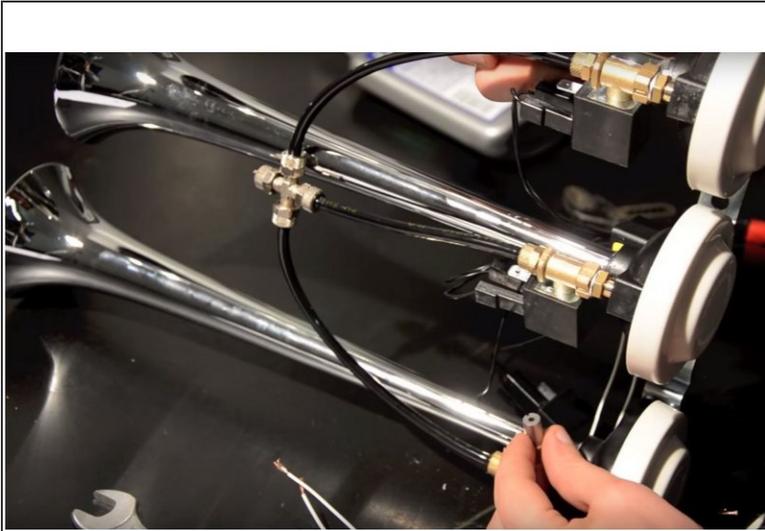
- Gently tilt the whole thing and the spring and piston should exit the valve.
- Inspect them for cleanliness and put them in a safe place.

Step 5 — Use compressed air to clean the valve



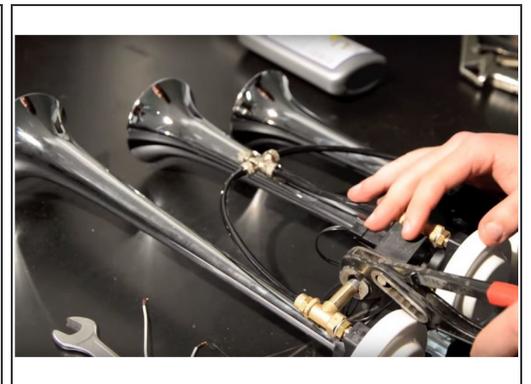
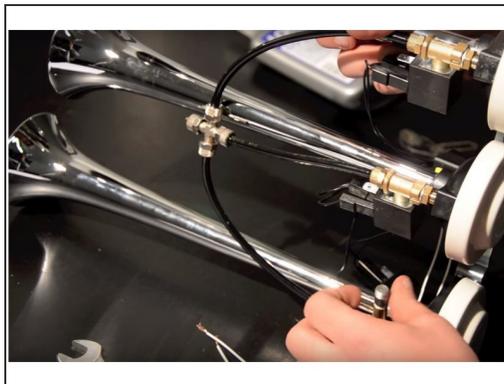
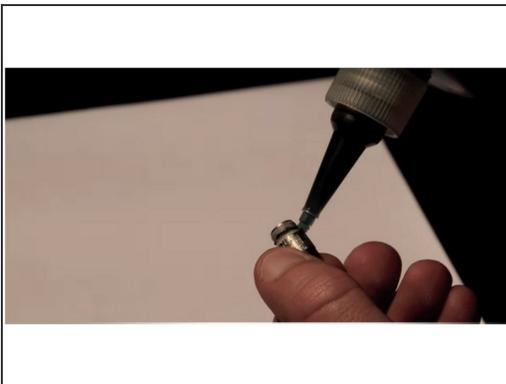
- Blow in the valve with compressed air to clean it
- Blow on the piston and other pieces, if dirty, as well.

Step 6 — Reassemble the valve



- Place the piston, first.
- Then put the spring in the piston's hole.

Step 7 — Insert the head of the valve



- Put some threadlocker on the thread
- **Don't exceed:** you may permanently damage the device!
- Screw the head on the valve.
- Use the plier to tighten valve's head: there's no need to tighten it too much.

Step 8 — Finish the job



- Insert the solenoid and put the washer on the top.
- Finally, screw the nut with the wrench.
- Set the valve back in place, using the wrench.

Keep your valves checked, if you want them to last longer!