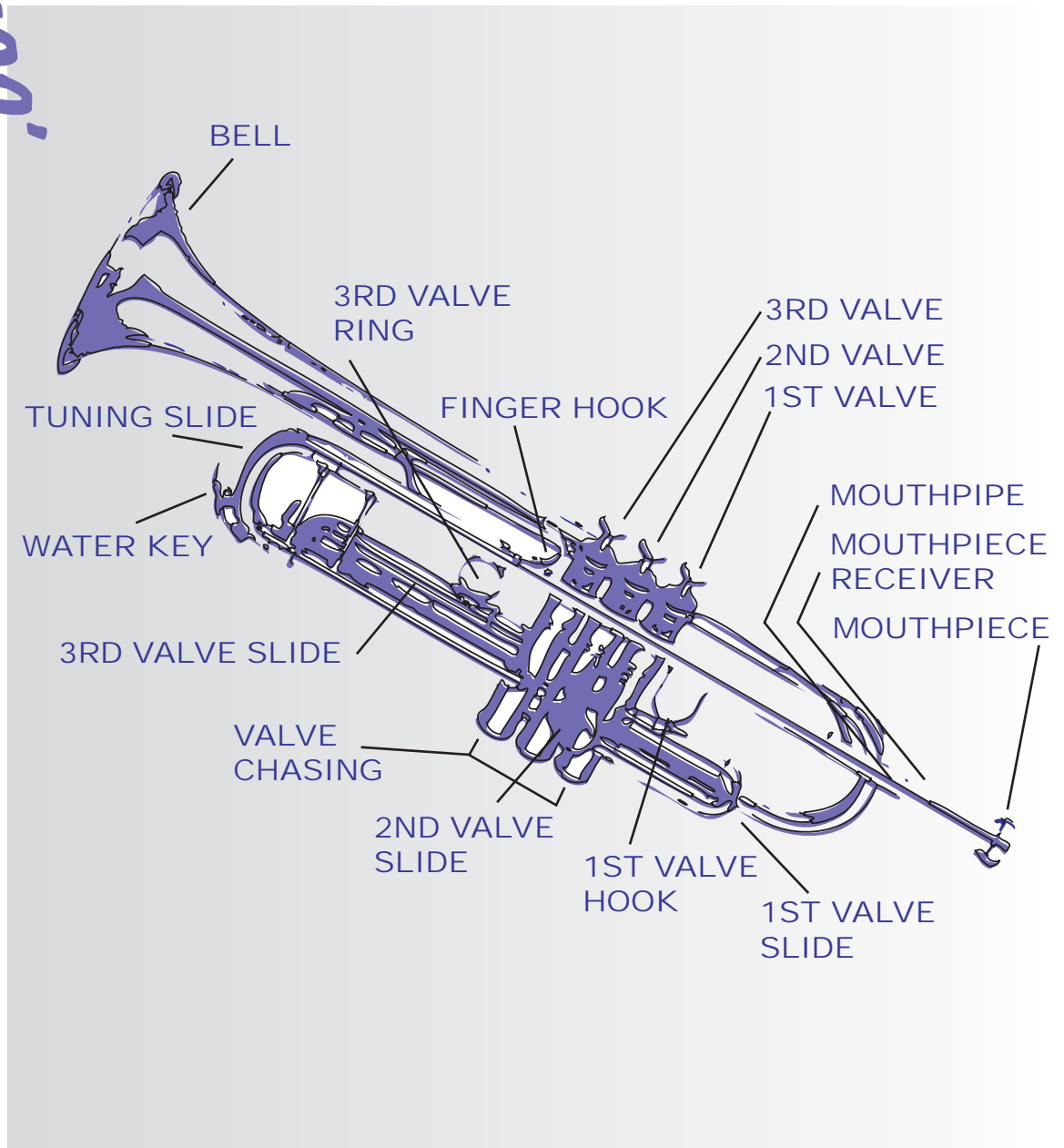


CARING FOR YOUR PISTON INSTRUMENT



CARE AFTER PLAYING

Remove Moisture from the Valve Slides

- Remove the valve slides while pressing down on the pistons. If the valve slides make a popping noise when you pull them out, then you are not removing them properly. Empty any moisture from the slides.
- Also dry the main body using through the water key.

** Valve slides are made from materials such as brass and nickel silver, and are highly resistant to corrosion. However if moisture is allowed to remain in the valve slides for an extended period of time, the tubes may start to corrode.*

** In the same manner as before playing the instrument, add valve oil to the piston valves and pump the pistons up and down two or three times.*

Adding Valve Oil

- Remove the valve caps, then slowly pull the pistons partway out. Next, apply two or three drops of piston valve oil. Retighten the caps, and pump the pistons up and down a few times to work the oil in.

** Be sure to oil the pistons regularly. Failure to do so may result in poor piston movement.*

Cleaning the Surface

- Using a polishing cloth, gently wipe the surface of the instrument.

WEEKLY CARE

Cleaning the Valve Slides

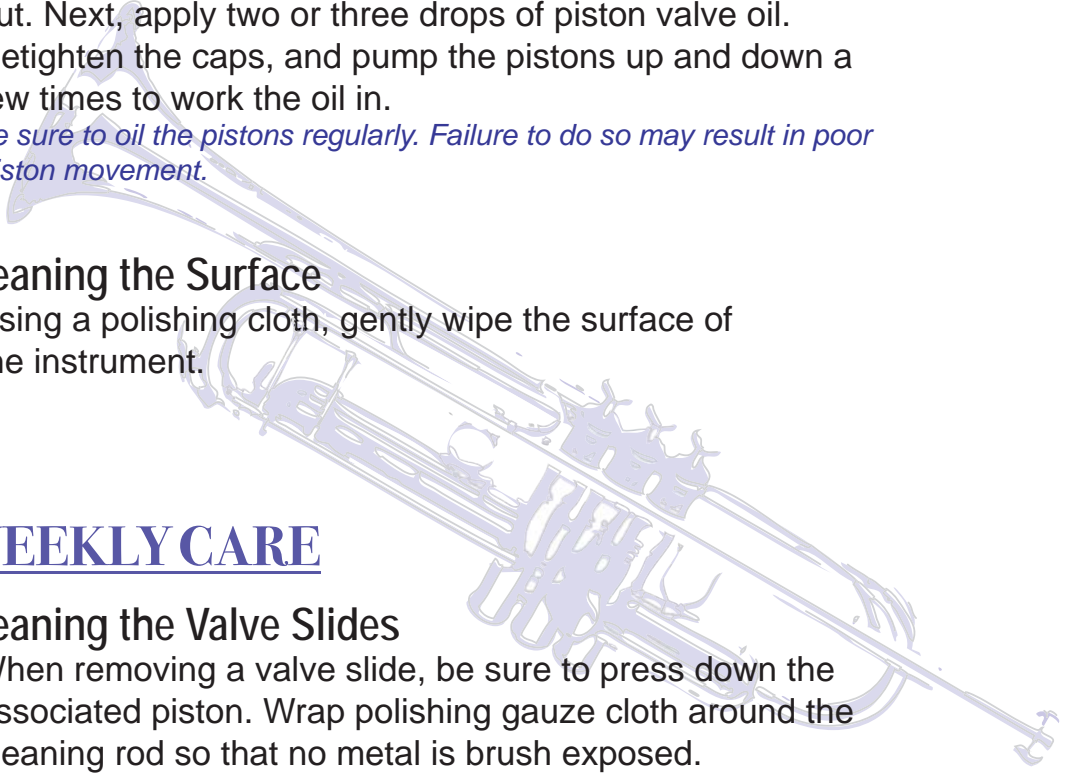
- When removing a valve slide, be sure to press down the associated piston. Wrap polishing gauze cloth around the cleaning rod so that no metal is brush exposed.
- Next, clean the interiors of the valve slides.
- Apply tuning slide oil to the valve slides that have triggers (first and third valve slides). Slide these tubes back and forth two or three times to work in the oil.
- Apply a small amount of slide grease to the main tuning slide (tuning slide), second valve slide, and triggerless valve slides. Move these slides back and forth a few times to work in the grease.

Washing the Mouthpiece

- Create a solution from brass soap and water (in a ratio of 10 to 15 parts warm water (30- 40°C) to one part brass soap). Soak the mouthpiece brush in the brass soap-water solution.
- Next, insert the mouthpiece brush in the mouthpiece throat to clean it. Rinse it with clean water.

Cleaning Small Spaces

- Form a polishing gauze cloth into a rope shape for use in cleaning. Be sure to carefully clean even the smallest spaces.



Cleaning the Water Key Hole

- Use a tone hole cleaner to clean the water key hole.

MONTHLY CARE

Cleaning the Valve Casing

- Wrap polishing gauze around a cleaning rod so that no metal is exposed, then use it to clean the interior of the valve casing.
- Use polishing gauze to clean the pistons. Insert the pistons into the valve casing and add a few drops of valve oil.

Washing the Interior

- Create a solution of brass soap and water (in a ratio of 10 to 15 parts warm water (30- 40°C) to one part brass soap).
- Soak a flexible cleaner brush in the solution. Insert the brush in the tubing to clean it.
- Once the interior has been cleaned, rinse with clean water to remove the brass soap.
- Next, use gauze to completely dry the tube, then oil and grease it.