

*T*hank you for choosing Yamaha. We prepared this owner's manual to inform you on how to properly care for your horn.

Inside you will see examples of what you should do to help keep your horn playing correctly and sounding its best.



Caring for Your Horn

The following care is recommended to extend the life and maintain the quality of your horn.

Take extra care to prevent exposure to sudden changes in temperature and humidity. Avoid direct, extended exposure to:

- Sunlight
- Rain
- Heaters
- Air Conditioners

Remove all moisture after you have finished playing.

Refer to *Caring for the Interior of your Horn* on page 4 for detailed instructions.

Assembling Your Horn

Assemble, tune, clean and lubricate your instrument for the first time under the guidance of your instructor.

Inserting the Mouthpiece

The mouthpiece and mouthpiece receiver are easily damaged by improper assembly. Insert the mouthpiece into the receiver, giving it a slight twist to secure it. Never force a mouthpiece into place, as it may become stuck. If this should happen, take the horn to your local dealer or band director to have it removed, they will have a special tool to remove stuck mouthpieces. Never use pliers or other gripping tools to remove a stuck mouthpiece.

Tuning Your Horn

- Pitch is affected by temperature, so be sure to warm up your instrument before playing by blowing air through it.
- Tuning your horn is done by adjusting the tuning slide until you achieve the desired pitch.

Single F or B^b Horns

Tune with the main tuning slide first then extend the first, second and third valve slides to appropriate positions.

Double F/B^b Horns

Tune with the main tuning slide, then fine tune your horn by adjusting the individual tuning slides connected to each valve casing. Consult your instructor when doing this for the first time.



Caring for the Interior of Your Horn

Lubricating the Slides

- Remove each tuning slide and wipe clean of dirt and foreign substances.
- Apply a thin coating of slide grease (YAC 1011P) to the inner slide surfaces.
- Replace the slide, working it in to ensure that the grease is evenly and thoroughly spread.



Oiling the Rotary Valves

- Remove valve slides one at a time.
- Place several drops of rotor oil (YAC 1002P) evenly into the valve slide, insert slide all the way back into slide tube, then turn horn over to let the oil run on to the rotor.
- Depress lever to activate appropriate rotary valve, spreading the oil evenly on the rotor and casing. Do steps 1-3 until all rotors are oiled.



1. Apply a few drops of rotor spindle oil (YAC 1013P) to the rotor stem between the stop arm and the casing.



2. Carefully remove valve cap and apply a few drops of rotor spindle oil to the bearings. Activate rotor and replace the cap.



3. Apply a drop of lever oil (YAC 1014P) to each linkage of the lever assembly.

NOTE: Do not remove the rotary valves, only a qualified repair technician should do this during annual maintenance.

Draining All Fluid

- Drain any excess fluid by removing the appropriate slide.
- Drain the mouthpiece by rotating the instrument until fluid flows from the mouthpiece receiver.

Cleaning the Water Keys

A tone hole cleaner (YAC 1049P) may be used to clean and dry the water keys.

Cleaning the Mouthpiece

- Soak the mouthpiece in a solution of warm soapy water. Using a brass mouthpiece brush (YAC 1084P), scrub the inside and outside.
- Rinse thoroughly with clean, warm water.

Restraining the Rotary Valve

Note: Only use string designed specifically for rotary valves. (YAC 080000)

You will need a small screwdriver, scissors and rotary string to restring your valves. Please follow these directions carefully:

- Rotary valve components should appear as in illustration 1 when the rotor stem is to the left of the rod, or as in illustration 2 when the rotor stem is to the right of the rod.



Illustration 1

- Loosen screws (C) and (E) with a small screwdriver. Cut a piece of string approximately nine inches long and tie a knot in one end. Begin by threading the string through the hole at the bottom of the rod (A). Start from the outside of the rod and thread toward the valve. The knot must provide a stop at the hole.

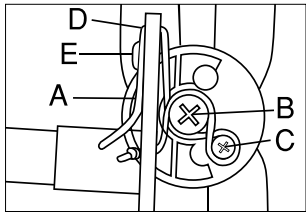


Illustration 2

- With the stop arm (B) to the right of the rod (A), bring the string around the top of the rotor stem in a clockwise direction, then loop the string entirely around the small screw (C) in a counter clockwise direction.
- Continue around the bottom of the stop arm (B) to the hole (D) near the top of the rod. Thread the string through this hole and loop it under the head of the small screw (E) on the rod in a clockwise direction.
- Now pull the string fairly taut so that no lost motion occurs when depressing the trigger lever. Tighten screw (E) enough to hold the lever in place.
- Position the lever so the string rod is parallel to the rotor-casing top.
- Tighten the string screw (C).

Caring for the Exterior of Your Horn

For daily care, use a Yamaha polishing cloth (YAC 1099P) to remove dust and fingerprints.

Storing the Instrument



The case should always be used for storing the instrument after playing and for transporting. Be sure the mouthpiece and other accessories are secured tightly, as they can scratch and dent your horn if they come loose during transportation. Do not put anything in the case that could place pressure on the instrument.

To keep your instrument in optimum playing condition, have it professionally cleaned and inspected by a qualified repair technician annually.



Yamaha accessories for horn are the perfect companions for your instrument.

Many of our accessories are designed to keep your instrument playing and sounding wonderfully, while others make practicing and performing easier and more enjoyable.

Please visit your local Yamaha accessory dealer to purchase or order any of the following high-quality products.

Visit us on the web at www.yamaha.com/band

Accessories



- Horn Maintenance Kit
YAC 1037



- Chromatic Tuners
TD-1
TD-2
TD-10
TD-20



- Yamaha Music Stand
MS-300AL

- Silent Brass for Horn
PM-3



- Metronome
Available in Black, Blue, Gray or Pink
ME-100



• Replacement Horn Cases

- YAC HRC-302M
- YAC HRC-57
- YAC HRC-57D
- YAC HRC-667
- YAC HRC-67V
- YAC HRC-67VS
- YAC HRC-68
- YAC HRC-668
- YAC HRC-68V
- YAC HRC-68VS
- YAC HRC-70
- YAC HRC-85VHF88
- YAC HRC-85VHF89



• Gig Bags

- YAC 1367D-Horn; detachable bell
- YAC 1368-Horn



Additional Accessories

- Brass Mouthpiece Brush
- Brass Soap
- Flexible Cleaning Rod - Small
- Lacquer Polish
- Lever Oil
- Polishing Cloth
- Rotor Oil
- Rotor Spindle Oil
- Rotor String
- Silver Polish
- Slide Grease
- Tone Hole Cleaner
- Treated Polishing Cloth - Medium
- Treated Polishing Cloth - Large
- Valve Casing Cleaning Rod
- YAC 1084P
- YAC 1062P
- YAC 1077P
- YAC 1060P
- YAC 1014P
- YAC 1099P
- YAC 1002P
- YAC 1013P
- YAC 080000
- YAC 1061P
- YAC 1011P
- YAC 1049P
- YAC 1096P
- YAC 1097P
- YAC 1666P