

Pop Pop Boat Engine Fitting Instructions / Guide

Add real steam to your Model Boat (or Sardine tin)

Instructions

1) Fitting the boiler -

Drill two holes at the rear of you model at a slight angle - the ends of the boiler pipes **must** be below the water line.

2) Place the boiler into the hull and insert the two pipes through the holes at the stern. **Care** must be taken as the boiler is very fragile. The pipes must protrude approximately 3 - 5mm out of the back of the boat. (see fig A)

3) Seal the inside of the hull around the pipes using glue. (Araldite is recommended).



Your boat is now ready to steam.

How to start the boat

1. Using the plastic dropper, (usually supplied with new boats) squirt water into the boats exhaust pipes until full. This is the only way water can enter the boiler.
Damage may occur if the boiler is empty. Alternatively, pour water into one of exhaust pipes using a running tap or water from a jug until water flows freely from the other pipe.
2. Put the boat into the water carefully, making sure that the water stays in the boiler.
3. Place the candle into the holder and light the wick.
4. Gently place the holder onto the runners in the boat until it is resting underneath the boiler. The ideal position is for the flame is to be central under the boiler and **not** directly below the two small pipes leading from the boiler.
5. The water in the boiler will heat by the candle turning it into steam. The steam expands causing a "popping" noise. The steam is forced out of the exhaust pipes propelling the boat forward. Once the steam has left the boiler, a vacuum is created, sucking fresh water back into the boiler. The process starts all over again. The noise generated - "**Pop Pop**"

Aftercare

1. After using your boat, flush out the boiler with clean cold water to reduce the risk of the boiler overheating when it's removed from the bowl or pond.
2. Wipe off any excess water and carefully remove any wax deposits inside the boat.
3. A small shot of light lubricating oil (WD40) into the pipes will prevent rusting.
4. Gently clean under the boiler with a damp cloth to remove any soot deposits. Care should be taken at this point, as the boilers are very sensitive.
5. Store in a dry place - ready for the next outing.

Please note (Health & Safety etc.)

Pop Pop Boats are not intended for children under 14 years of age. They may have sharp edges and uses an open flame. Adult supervision is required both in the construction and the use of this boat.

For the latest models and more information visit -
www.poppopboats.net