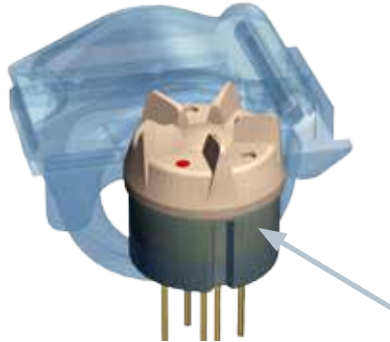


Volume Control PJ 88

1. Handling

Handle the VC by the body to avoid mechanical stress to the leads.



2. Tools

Proper tools should be used for cutting and bending, such as sharp cutters and soft-sided tweezers.

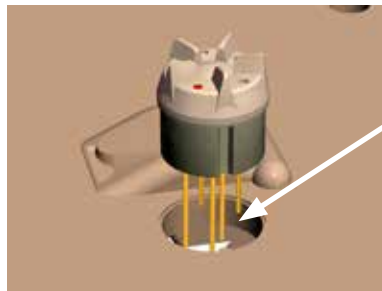


3. Mounting the VC into the faceplate (FP)

Diameter of the hole to fit the mechanical dimensions of the VC.

a.

The hole in the FP must be within the tolerances given in the Data Sheet for PJ 88. If the hole is too big, the gluing may not be strong enough and the cosmetic appearance will not be satisfactory. If the hole is too small, the VC will be damaged during the soldering process.



b.

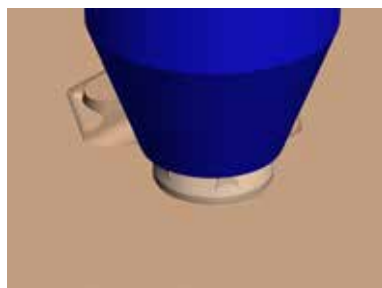
Carefully press on the top of the knob when inserting the VC.



c.

For easy installation, use the PJ 88 mounting device.

Using a component specific mounting tool will provide the best mounting conditions.



d.

The knob should be completely seated in the FP before gluing.

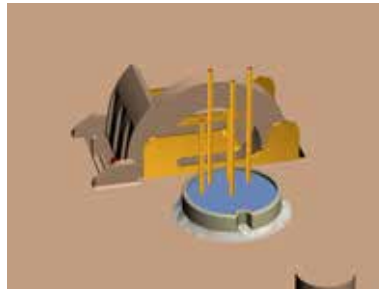


4. Gluing the VC for attachment to the FP

To attach the VC to the FP, add as little glue as possible into a ring around the VC.

Gluing the VC to the FP should be done before any handling of the leads. We recommend to apply a minimum amount of glue as close to the body of the VC as possible, to ensure sufficient attachment. Recommended glue types

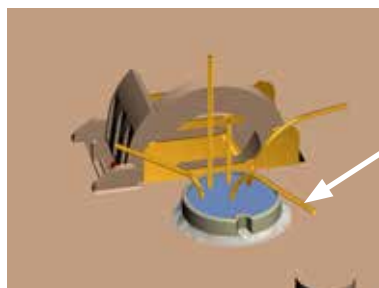
Please refer to the Data Sheet. Use of other glue types (also including fumes from aggressive glues, may leave a non-conductive film on the contact surface.



5. Bending the leads

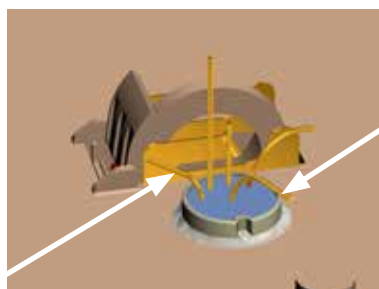
Leads must be bent before cutting. This will ensure a minimal of mechanical stress during the process. Minimum distance from housing is 0.5 mm (0.02")

Do not pull the leads while bending them.



b.

Cut the leads before soldering. Cutting the leads should be done in one quick and steady operation. Avoid pulling/pushing the leads.

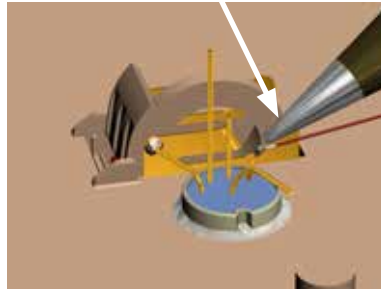


6. Soldering of leads

Please observe the soldering conditions given in the Data Sheet. These include temperature, time, and distance to housing during soldering.

Avoid pressure on leads from solder iron.

Avoid mechanical stress on the leads during, and 5 sec. after soldering, as this will otherwise damage the component.



WARNING!

During soldering, the knob must be turned to the 'end stop' position opposite the 'switch' position.

If additional flux is necessary, we recommend that it is dispensed carefully and that the smallest amount possible is used. Due to the high alcohol content in some flux types the plastic parts may be damaged. If flux residues are removed by using solvents or cleaning agents please observe the recommended process parameters given in the Data Sheet.

7. Cleaning

Flux residues may need to be removed by solvents, or cleaning agents. Please refer to the recommended cleaning solvents below:

- Aqua wash (Alpha 2110)
- Benzine

These cleaning solvents have been tested and proven not to degrade the plastic, or the resistance element. Use of any other solvents, or cleaning agents may be harmful to the resistance element, or the plastic (ref. data sheet on PB 100). We strongly advise against the use of any ultrasonic cleaning of the component.

8. Knob Replacement

The knob can be replaced by following the guidelines below:

Step 1

Use a sharp scalpel to make a small cut at the rim of the knob.

Move the scalpel across the knob shoulder, while applying some pressure.



Step 2

Repeat this at knob shoulder opposite the first cut.



Step 3

Place the scalpel across the knob in line with the two cuts from step 1 and 2. Move the scalpel from side to side – from cut to cut – while applying some pressure to the scalpel.



Step 4a

After a few cycles the knob will separate in two halves.



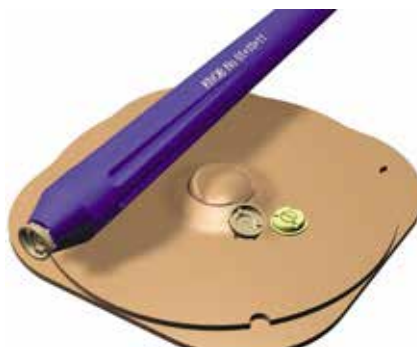
Step 4b

Be careful not to damage the knob base below when the knob separates.



Step 5

The new knob can be mounted by means of a special PJ 88 mounting device. The mounting device has to correspond to the knob to be mounted. For information of available mounting devices, see our Data Sheet under the section Accessories.



Step 6

Place the knob in the mounting device and align the knob with the knob base. The knob has three keys, one large and two smaller of identical size. Align the large key with the large keyway.



Step 7a

Mount the knob loosely on to the knob base.



Step 7b

Make sure that the three keys and keyways interlock.



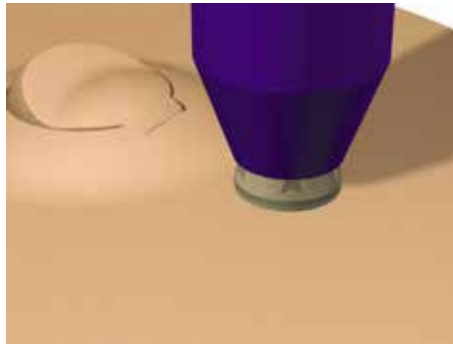
Step 7c

The knob can now be pushed into its locking position.



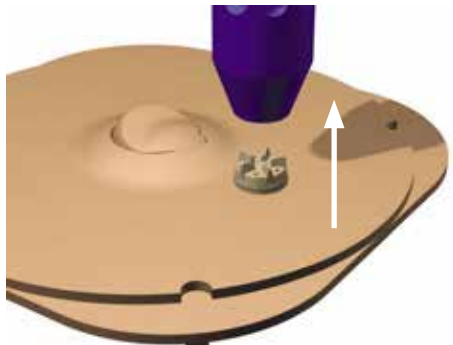
Step 8

The knob is fixed correctly when a click is sensed while the knob is pressed into position.



Step 9

Remove the mounting device in axial direction.



9. General Operating Conditions

Please see our Data Sheet for other general operational conditions.