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# BRISTAN

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Thermostatic Cartridge

CART 06732COMPL

Installation Instructions & User Guide



Please keep these instructions for future reference



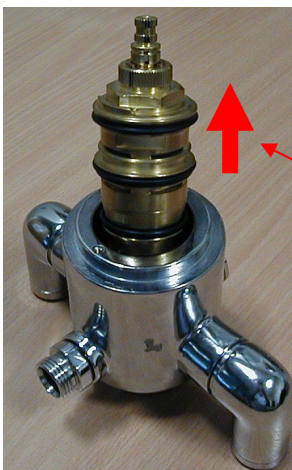
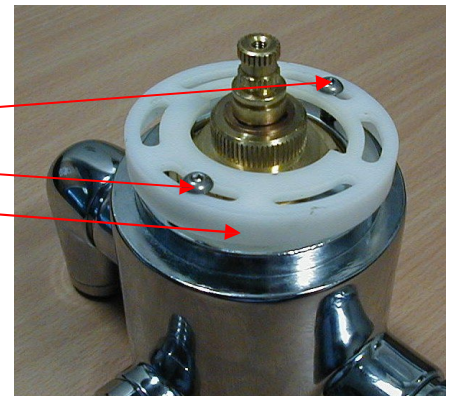
*Before starting any servicing please isolate your water supply by either;*

- 1. Turn the water off at the mains supply stopcock*
- 2. Turn the water off at the isolations valves to the shower*

The following literature will guide you through servicing and regulating the temperature of your shower valve and servicing the thermostatic cartridge

## Removing the cartridge

1. Turn off both water supplies to the shower valve.
2. Remove the indice from the centre of the temperature control handle.
3. Remove the centre retaining screw.
4. Remove the temperature control handle assembly, by pulling it off.
5. Remove the circlip and then pull off the flow control handle.
6. Unscrew the two screws.
7. Remove retaining ring and slip ring.



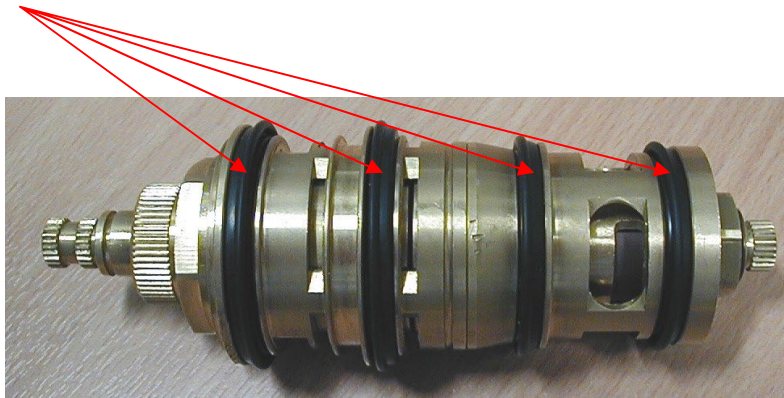
8. Pull the cartridge forwards to remove it from the shower body.

**Tip:** If the cartridge will not pull out of the body with ease, replace the temperature control to provide more grip and pull the cartridge out of the shower valve body.

If this is still too difficult, replace the flow control and the circlip and insert a broad flat headed screwdriver between the flow control and the body and twist the screwdriver to ease the flow handle away from the body. This should allow the cartridge to be pulled out.



9. Remove all of the seals from the body of the cartridge.



If the cartridge is heavily covered in lime scale we advise submerging the complete cartridge in a 50/50 solution of hot water and white vinegar for approximately 4 hours. Take the cartridge out and rinse off with cold water.

10. Replace the lip seals like for like - the seals get progressively larger from the back end of the cartridge. (from the right hand side as shown above).

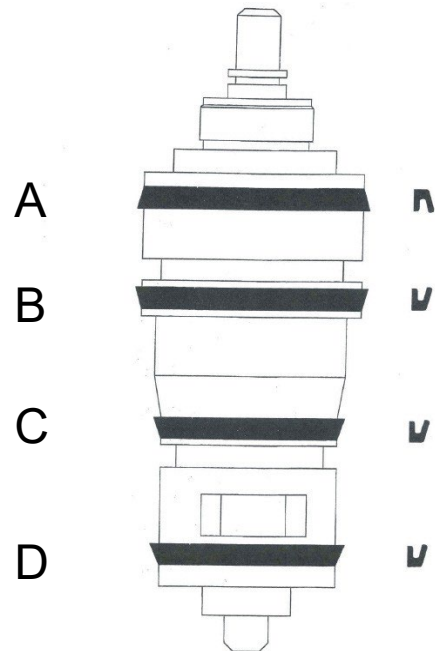
There may not have been a lip seal in the D position (as shown below), in which case it is not necessary to fit one when servicing.

**Note:** Lip seal A has the lip towards the rear of the cartridge, but seals B,C & D have the lip towards the front.

Use silicon grease to lubricate all the seals before refitting the cartridge into the mixer body, and if the thermostatic piston has been removed, apply silicon grease to the O ring on the piston. A nylon spacer washer (not shown) is fitted between the locking plate and the mixer body.

## Replacing the Cartridge

1. Ensure that the ceramic disc valve is in the off / closed position.
2. Refit that cartridge back into the shower valve.
3. Fit the slip ring and retaining ring using the screws. If the screw slots do not line up with the holes in the body, remove the cartridge and turn it by the required amount and refit until the screw holes line up.
5. Refit the flow control handle and circlip.
6. Refit the temperature handle/ centre Screw and indice.



## Replacing the Ceramic Disc (CD) Valve

1. Follow steps 1-8 as detailed in the Removing the Cartridge section.

2. After the cartridge has been removed unscrew the 18mm hexagonal nut on the back of the cartridge. This will allow the CD valve to come out.



3. Replace the CD valve ensuring that the new valve is in the closed position.

4. Replace the complete cartridge back into the valve body and replace the retaining ring, screws and control assembly.

## Temperature Adjustment

1. Turn on the water supplies and fully open the flow control, let the water run long enough to ensure that the hot water supply is at its maximum temperature.

2. Turn the temperature control anti-clockwise to its maximum position and check the outlet temperature. This has been factory set at 41°C at balanced supply pressures of 0.5 bar.

3. The maximum temperature can be adjusted to suit user preference. To adjust this, follow this procedure:

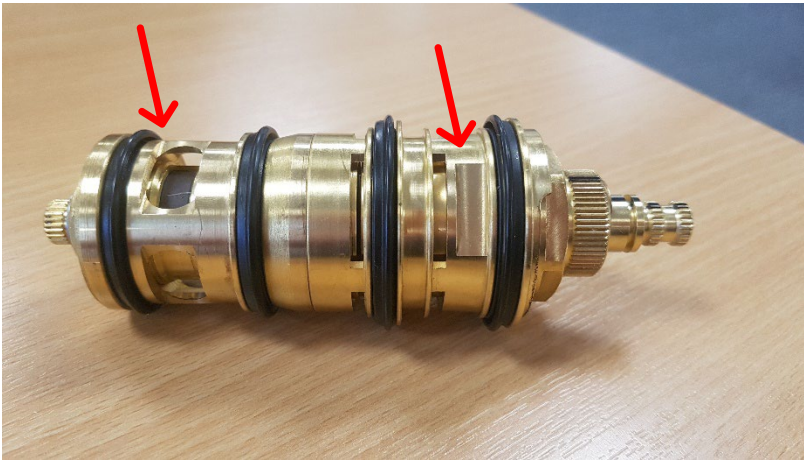
4. Remove the temperature control handle assembly by removing the indice, unscrewing the retaining screw and pulling the handle off the spindle.

5. Turn the spindle anti-clockwise to increase the temperature and clockwise to reduce it.

6. Refit the handle assembly so that the stop pin is at the maximum position then refit the screw and indice.

## Servicing - CART 06732COMPL

1. Using 2 adjustable spanners, turn points shown in opposite directions to open the cartridge. This will expose the piston and thermostat



2. Carefully remove these and place them in a suitable solution, until fully de-scaled.
3. Use a silicone grease to lubricate the parts and re-assemble.

## Fault Diagnosis

Only hot or cold water from the mixer outlet	Inlets reversed (hot supply to cold supply). Check that the connections are the correct way round. Hot on the left and cold on the right when viewed from the front.
	Rework pipework if necessary.
Outlet temperature too hot/cold	No hot or cold water reaching mixer.
	Check insert filters for any blockage.
	Installation conditions outside operating parameters. Refer to specification section. Winter conditions – If using combination boiler system and shower temperature is low, please contact Bristan for guidance.
Fluctuating or reduced flow	Check the shower handset, hose and filters for any blockage.
	Make sure that the maintained inlet pressures are nominally balanced and sufficient.
	Make sure the inlet temperature differentials are sufficient. The inlet hot water temperature must be at least 10°C above the required blend temperature. The maximum recommended hot supply is 60°C.
	Air lock or partial blockage in the pipework.
Leaking from the controls	Cartridge seals damaged, replace as necessary.
Water leaking from shower head	This is normal for a short period after shut off.
	Check that the pressures do not exceed the specification for the product.
	Cartridge seals damaged, replace as necessary.
	Check condition of the CD valve, replace as necessary.

## Notes

Use this page for any notes that you have regarding the servicing of your shower valve.

# **BRISTAN**

## **Bristan Guarantee**

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To start your free guarantee, simply scan the QR code and register your product.

Alternatively, visit [www.bristan.com/register](http://www.bristan.com/register) to register your product via a computer.

For full guarantee terms and conditions visit, [www.bristan.com/guarantees](http://www.bristan.com/guarantees)



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### **TELEPHONE HELPLINE: 0330 026 6273**

Bristan Group Limited

UK: Bristan Group

B78 1SG

EU: Masco Group S.à.r.l

14 Rue Strachen

6933 Mensdorf

Luxembourg