

7. Follow the towel radiator fitting instructions.
8. You must make absolutely certain that the system is THOROUGHLY flushed with a flushing agent before it is commissioned, to rinse out any metal, flux and foreign residue and the system must also be thoroughly vented. Not doing this can cause pinhole leaks (which may not be covered under the manufacturer's guarantee). To help prevent internal corrosion and lime scale formation it is recommended that a suitable inhibitor is added to the central heating system.
9. Open the valves to the radiator and, using the air vent, fill and purge the remaining air from all radiators, including the decorative or towel radiator with the heating system off.
10. Connect the element to the mains power using a BS Fused Connection Unit. The wires should be connected as follows: Blue- NEUTRAL, Brown – LIVE, Green/Yellow – EARTH.

**THIS PRODUCT MUST BE EARTHED.**

11. The Fused Connection Unit should be fitted with a 5 Amp fuse to BS1362.
12. Switch on mains supply and test. ( NB Remembering that the element should NOT be used when the central heating is on. ) The radiator should heat up.
13. Check for leaks and re-tighten joints as necessary.

**Warning ! At least one of the radiator valves must be left open at all times, when the electrical element is switched on.**

**ASSEMBLY OF ELECTRIC ELEMENT:**


- In order to ensure the best performance, verify that the wattage of the electric element is the same as recommended by the manufacturer of the radiator.
- The mains cord may only be replaced by the manufacturer of the element and it can not be extended.

RECOMMENDED SIZING MATRIX						
Approx Height (mm)	600	750	1200	1500	1800	
450	150 watt	150 /250watt	250 /300watt	300 /400watt	400 /600watt	
500	150 /250watt	150 /250watt	250/400watt	400 /600watt	400 /600watt	
600	150 /250watt	250 /300watt	250 /300/400watt	400/600watt	400 /600/800watt	
750	250/300/400watt	300 /400/600watt	400/ 600watt	400/800watt	600 /800watt	



November 2006

## Assembly Instructions Electric Heater Element Kit

**Part Supplied**

Ref	Description	Illustration	Qty
A	Electric heating element		1

**Optional Fittings Supplied**

Ref	Description	Illustration	Qty
B	T-Piece		1
C	Blanking Plug		1

**Tools Required (not supplied)**

22mm Spanner, 27mm Spanner

P.T.F.E Tape

**Before You Start**

- Check that you have the correct size element for your decorative or towel radiator. **IT IS ESSENTIAL THAT THE CORRECT SIZE ELEMENT IS INSTALLED IN LINE WITH THE RECOMMENDATION STATED ON THE PACKAGING OR INSTRUCTIONS OF YOUR DECORATIVE OR TOWEL RADIATOR.**
- Check the pack and make sure you have all of the parts listed above.
- Decide on an appropriate location for your product (see suitability instructions below).
- When you are ready to start, make sure that you have the right tools to hand, plenty of space and a clean dry area for assembly.
- **All fittings must be installed by a competent person in accordance with current IEE Wiring Regulations (BS7671). If you are in any doubt about installing this product, consult a qualified electrician.**

**Building Regulations**

As of 1 January 2005, changes to the Building Regulations affect domestic electrical installations in England and Wales. You don't need to be a qualified electrician to make changes to your home's electrical system, but the work must be done in accordance with standards in the Regulations.

You do not need to notify your Local Authority if you do minor electrical work such as:-

- replacing or repairing a socket, light or cable in any room
- adding extra spurs, sockets or lights to an existing circuit (except in a kitchen, bathroom or outdoors)

However, the work must be done to the standard in the Wiring Regulations and you should consider having work checked by a competent electrician to ensure it is safe.

Before you start other electrical work such as:-

- adding new circuits to your existing installation
- any work (other than repair / replacement ) in a room where there is water ( e.g. kitchen, bathroom, etc. )
- any work (other than repairs / replacements ) outdoors ( e.g. installing garden lighting or sockets, etc.)

You must notify your Local Authority Building Control Department, which has responsibility for ensuring the work is inspected and tested.

Where you have any work done by an electrician who is a member of a competent person self-certification scheme, the electrician will be able to certify the work complies with the Regulations and you do not need to notify your Local Authority.

We recommend that you make yourself aware of the Regulations before you undertake any work and if you require any clarification you should contact your Local Authority Building Control Department.

### Suitability

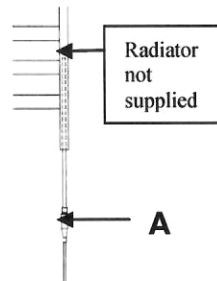
- This element is designed for installation in selected domestic decorative and towel radiators. It is not necessarily suitable for use with other products.
- The element can be used as electric only or in a centrally heated system to provide heating of the towel rail when the rest of the system is switched off (e.g. during the summer). It should NOT be used when the central heating is on.
- The radiator will get very HOT so is NOT suitable for use in locations where this could cause a hazard (e.g. where infirmed persons or young children will be present unsupervised).
- Fitted inside the heater are two separate protection devices to prevent over-heating of the rail.
- The element must be permanently connected to a suitable electricity supply by way of the cable provided. This should be via a fused spur in accordance with the IEE Wiring Regulations (BS7671). If sited in a bathroom, the Fused Connection Unit must be located out of reach of persons using the basin, shower or bath. If in doubt, consult a qualified electrician.
- These heaters are suitable for use as stand alone Electrically heated or with all Open Vented Central Heating Systems. If they are used with Sealed Central Heating Systems or Combination Boiler Systems, it is essential that you establish that there is adequate allowance for expansion.

**Warning ! Never switch on the element if the radiator is empty.**

**The element should NOT be tested out of water.**

### 'ELECTRIC ONLY' HEATING ELEMENT INSTALLATION

1. **IMPORTANT.** Always switch off the electricity supply at the mains during installation and maintenance. We recommend that the fuse is withdrawn or circuit breaker switched off at the distribution board whilst work is in progress (turning off the switch is not sufficient).
2. The element must be fitted to the radiator before mounting the radiator to the wall.
3. Remove any transit plugs from the radiator.
4. Wrap P.T.F.E tape around the element thread and the blanking plug thread.
5. Check that the o-ring is present on the threaded end of the element.
6. Insert the electric heating element (A) into the chosen side of the towel radiator, **bottom only**, and tighten it into place using a 27mm spanner.



### **THE ELECTRIC HEATING ELEMENT MUST ONLY BE FITTED IN THE BOTTOM OF THE RADIATOR.**

7. Fill the radiator to approximately 90% with water to allow for expansion.
8. Insert the blanking plug (C) into the open tapping, and tighten it into place using a 22mm spanner.
9. Fit the radiator to the wall, following the radiator fitting instructions.
10. Connect the element to the mains power using a BS Fused Connection Unit. The wires should be connected as follows: Blue- NEUTRAL, Brown – LIVE, Green/Yellow – EARTH.

**THIS PRODUCT MUST BE EARTHED.**

11. The Fused Connection Unit should be fitted with a 5 Amp fuse to BS1362.
12. Switch on mains supply and test. The radiator should heat up.
13. Check for leaks and retighten joints as necessary.

**When the operating temperature has been reached, purge excess air from the towel radiator using the air vent.**

### 'DUAL-FUEL' INSTALLATION CENTRAL HEATING AND ELECTRIC ELEMENT

**It is recommended that the installation is carried out by a Corgi registered heating engineer/installer in accordance with BS5449 Standard.**

1. **IMPORTANT.** Always switch off the electricity supply at the mains during installation and maintenance. We recommend that the fuse is withdrawn or circuit breaker switched off at the distribution board whilst work is in progress (turning off the switch is not sufficient)
2. The element must be fitted to the radiator before mounting the radiator to the wall.
3. Wrap P.T.F.E tape around the element thread and the T-Piece thread.
4. Check that the o-rings are present on the threaded end of the element and the T-Piece.
5. Screw the element (A) into the T-Piece (B) and tighten it into place with a 27mm spanner.
6. Insert the T-Piece with electric element into the chosen side of the towel radiator and tighten into place using a 22mm spanner.

### **THE ELECTRIC HEATING ELEMENT MUST ONLY BE FITTED IN THE BOTTOM OF THE RADIATOR.**

