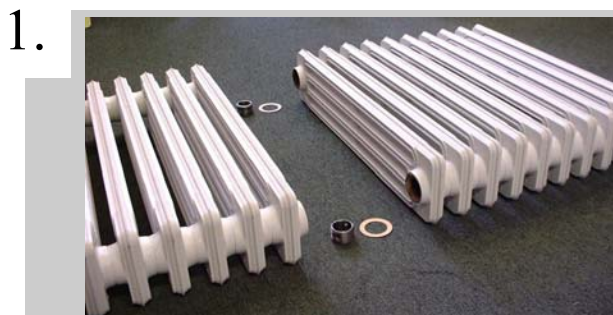


# Cast Iron Sectional Radiators Assembly Instructions

For Victorian, Nouveau & Burlington



Place the radiator sections to be joined onto a clean, firm and flat surface, ensuring that the machined faces and internal threads are perfectly clean, and the rough base casting is in the same direction on both sections.

Each radiator section has right-hand threaded connections at one end and left-hand threaded connections at the other. With the joining nipple being left and right-handed.

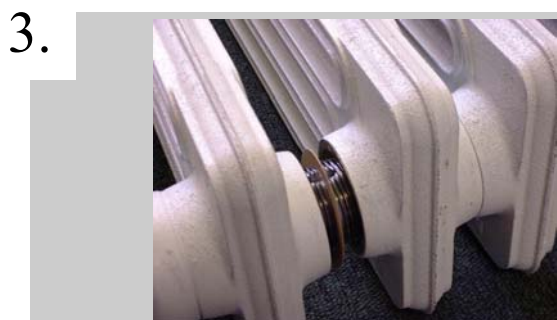
For each pair of sections to be joined there are 2 joints to be made, each requiring one connection nipple and one gasket.



Screw in a pair of nipple (joints) to one end of the radiator assembly. (Screw in only one turn).

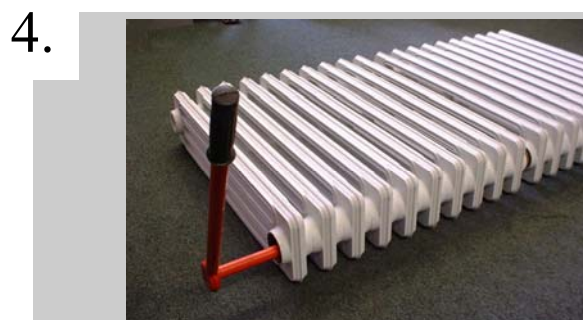
Place a gasket over each nipple, at approximately the mid-point.

**Do not apply any jointing compound, paste or tape to any part of the threads, nipples or radiator.**



Gently slide the second radiator assembly next to these nipples, ensuring that the thread orientations are correct.

Lay the nipple turning key over the top of the radiator so that the head is in line with the nipples to be turned. Mark key so that when it is inserted, the head engages correctly into the nipple. Slide the key in from the open end of the waterway until it engages into the nipple that is to be tightened. Check that the end of the key engages in the internal lugs inside the nipple.



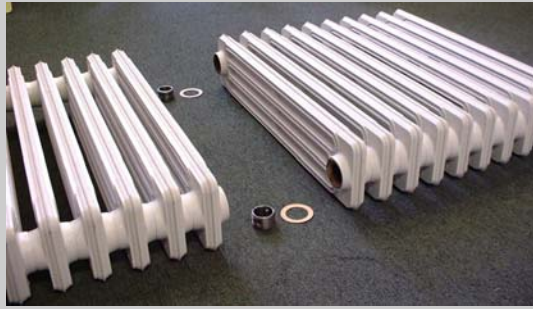
By turning the nipple key, rotate the nipple so that it pulls the 2 radiator assemblies together. At this stage only rotate the nipple by one turn. (Repeat this operation with the other nipple.)

Repeat both of these operations in turn, gradually pulling the 2 radiator assemblies together, ensuring they are kept parallel.

Finally tighten the joints to compress the gaskets. Ideally a tightening torque of 200Nm (150lbf-ft) Should be applied.

For further information please call:

5.



The reducing bushes, blanks and air valve can now be fitted to the radiator, before installing these parts, please ensure that all machined faces and internal threads are perfectly clean and free from any burrs.

The 1mm paper sealing washer supplied should now be placed between the end bush and the radiator, and tightened to around 150 lbf-ft. (Reducers etc are left & right hand threaded). Gas PTFE tape may be used if required.

**Do not apply any jointing compound, paste or tape to any part of the threads, nipples**

#### Radiator End Connection Pack



*Note: The Burlington radiator may be supplied with 'O' ring seals on the Plugs and bushes.*

#### Water Treatment

The radiator is for use on sealed and open vented systems. Upon completion of installation the system should be flushed and filled (in accordance with BS 5449 Section 5) to remove debris from within the system. Finally dose the system with a suitable proprietary water treatment.

#### Fitting Valves

When fitting valves, lockshield and airvalve, **Gas** PTFE tape may be used to provide tightening and sealing. (standard PTFE is not suitable).

#### Testing (Prior to Commissioning)

It is recommended that your new cast iron radiators should be pressure tested up to 6 bar pressure before installing and commissioning your heating system. (At this time any problems with joints or castings will be identified).

#### Painting & Finishing

Your new cast iron radiator is supplied in a primed finish. Casting is an imperfect process and it is recommended that prior to painting you remove any casting and primer paint imperfections (either with emery paper or with a grinder), and that the radiator is cleaned with a mild detergent. Once clean and dry, your radiator can be brush, spray painted or powder coated.

*Note: During transportation and site handling (due to movement) sealing joints between radiator sections can sometimes open, causing potential leakage. With this in mind it is imperative that each radiator is tested before fully commissioning system.*

*(It is sometimes possible that minor weeps from joints will seal themselves as water enters the radiator and expands the fibrous sealing washer between sections).*

*Should leakage be apparent, please follow site assembly instructions above, if no assembly tool has been supplied with order, please contact 0800 174093 a tool can be supplied on a "Sale or Return" basis for the duration of the project.*