

Assembly/Breakdown Instructions for Cast Iron Radiators.

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. **Sections:** Each radiator section has Right-Hand (female) threaded connections on one side and Left-Hand threaded (female) connections on the other. **Nipples:** The bi-threaded nipples also have a Left and Right Hand male thread made onto each end. For correct assembly you will need to identify the orientation of the connections on the radiator assemblies. For each section to be joined there are 2 joints to be made. Each joint requires one nipple and one gasket. A joining tool will then be used internally to rotate and tighten the nipples.

Fig.1



Fig.2



Place a gasket on each nipple at the nipples mid-point then (once you have correctly matched the section/nipple threads) screw them by half to one turn a pair of nipples into the end of the radiator section as per Fig.2. *Remember: Only screw these in by half to one turn, do not screw them in fully.*

DO NOT apply any jointing pastes or tape (e.g. Boss White, PTFE, hemp etc) to the gaskets, threads of the nipples or to the radiator.

Fig.3



Now slide the other radiator block to align with the nipples (Fig.3)

Lay the joining tool over the top of the radiator so that the head is in line with the nipple to be turned. Mark the key so that when it is inserted, the head aligns and engages inside the nipple. Slide the key in from the open end of the waterway (Fig.4 over) until it engages into the nipple that is to be tightened.

Pull the section blocks together on the initial tightening to help ensure the nipple/section threads are turning into each other.

By turning the joining tool you will start to draw the two radiator assemblies together. At this stage only rotate each nipple by one turn.

Now gradually and evenly turn the nipples at the top and bottom of the radiator ensuring they are kept parallel until the joints are fully closed.



Fig.4

Tighten the joints to firmly compress the gaskets.

Finally fit the bushes with the gaskets (no jointing pastes etc to be applied) ensuring the correct thread orientations are observed and firmly tighten.

Refer to the Help & Information Sheet for Cast Iron Radiator Handling, Installation and Care for guidance on the handling and movement of your radiators.

Maximum Operating Pressure = 3bar Maximum Test Pressure = 3.9bar

Always refer to HSE guidelines when lifting heavy objects, do NOT attempt to lift heavy radiators on your own!

Always wear and use suitable protective equipment.