

The image above shows a D Straight Ladder model but these instructions are also suitable for various other models using the same bracket set.

Ancillary Components	
1	Blank Plug
1	Air Vent Plug
2	Plug Cover
4	Wall Plug (a)
4	Bracket Base (b)
4	Washer (c)
4	Wall Screw (d)
4	Bracket Stem (e)
4	Bracket Front (f)
4	Bracket Screw (g)
4	Mini Screw (h)
4	Bracket Cover (i)

**PLEASE READ THESE INSTRUCTIONS THOROUGHLY BEFORE COMMENCING INSTALLATION.**

**PLEASE CHECK THAT ALL ANCILLARY COMPONENTS ARE PRESENT AND THAT THE PRODUCT HAS NOT SUFFERED ANY DAMAGE DURING TRANSIT.**

**THIS PRODUCT IS MANUFACTURED FROM MILD STEEL & IS ONLY SUITABLE FOR INSTALLATION WITHIN A CENTRAL HEATING SYSTEM WITH A CORROSION INHIBITOR ADDED TO THE WATER.**

Installation should be carried out by a suitably qualified professional or other fully competent person & in accordance with the relevant British and European standards (BS7593:1992, EN12828:2003, EN12831:2003 & EN14336:2004) & all applicable Building Regulations.

When drilling or fixing into walls, floors or ceilings it is essential that you check for pipes & wires before commencing. Please ensure that you wear all necessary personal protective equipment.

Due to our commitment to continuous product development we reserve the right to alter specifications without prior notice.

This product carries a 5 year warranty against faulty materials & manufacturing defects. The warranty does not cover any defect arising from damage, negligence, usage outside the products intended purpose or fair wear & tear. The warranty does not cover pinholes or other issues caused by insufficient cleansing or protection of the central heating system. Kudox reserves the right to investigate all claims & conduct appropriate testing if deemed necessary. In the event of a leaking product, Kudox must be contacted before the central heating system is drained so that water analysis can be carried out to establish the cause of the leak. Kudox Limited's liability under any warranty expressed or implied is strictly limited to replacement of the defective product and no consequential losses of any kind will be entertained. The warranty applies to the first purchaser only, is non-transferable & proof of purchase will be required for all warranty claims. This warranty applies to the United Kingdom only and does not affect your statutory rights. Full warranty terms and conditions can be found on our website at [www.kudox.com](http://www.kudox.com).

Regular cleaning with a soft cloth will keep the surface of your product looking new. Soapy water can be used to remove stubborn marks. Do not use abrasive or chemical cleaners as these will damage the surface finish over time.



**AFTER INSTALLATION THE ENTIRE CENTRAL HEATING SYSTEM MUST BE THOROUGHLY FLUSHED WITH A 'DOMESTIC WATER TREATMENT ASSOCIATION' (DWTA) APPROVED CENTRAL HEATING CLEANSER.**

**FOLLOWING CLEANSING A DWTA APPROVED CENTRAL HEATING PROTECTOR MUST BE ADDED TO THE CENTRAL HEATING SYSTEM.**

**FAILURE TO CLEANSE AND PROTECT THE SYSTEM PROPERLY WILL REDUCE THE LIFE CYCLE AND INVALIDATE THE WARRANTY.**

1. Screw the Blank Plug and the Air Vent Plug into the top two threads in the upright channels. The Air Vent Plug can be fitted on either side. Tighten firmly with a 22mm or adjustable spanner.

2. Wind a thick layer (at least 6 turns) of PTFE tape, clockwise around the radiator valve tails (not supplied) and screw the radiator valve tails into the bottom two threads in the upright channels and tighten firmly.

3. Check that the wall is strong enough to hold the weight of the towel rail filled with water. On plasterboard walls we strongly recommend fixing to the timbers. Mark your preferred bracket positions on the wall and drill holes for the fixings you intend to use. The Wall Plugs supplied are only suitable for solid walls and you will need alternative fixings for other wall types.

4. Screw the Bracket Bases to the wall using the Washers & Wall Screws provided or alternative fixings. The small holes for the Mini Screws should be facing downward.

5. Loosely fit the Bracket Stems to the towel rail with the Bracket Fronts & Bracket Screws. Rotate the Bracket Stems as shown in the diagram below.



6. Align the Bracket Stems with the Bracket Bases and push the towel rail back into position.

7. Tighten the central Bracket Screws with a screwdriver.

8. Hold the towel rail back against the wall and insert the Mini Screws into the bottom of the Wall Supports and tighten firmly with a screwdriver.

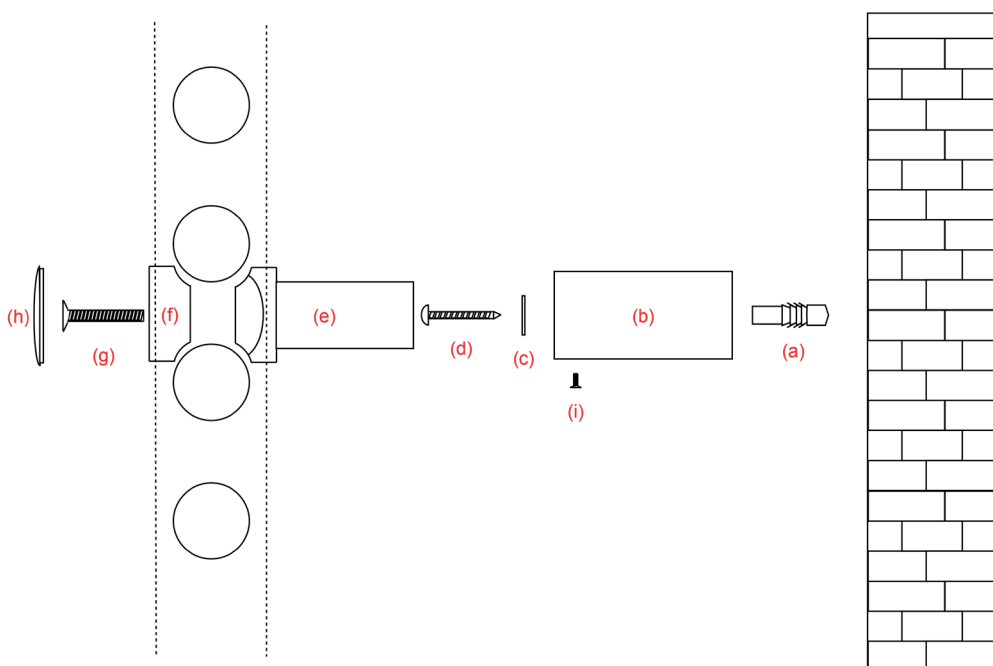
9. Push the Cover Caps into position on the Bracket Fronts.

10. Connect the radiator valves (not supplied) and fill the system to check for leaks. Repair any leaks as necessary.

11. Flush the entire central heating system with a DWTa approved central heating cleanser, carefully following the manufacturer's instructions.

12. After thoroughly flushing the entire central heating system, refill adding a DWTa approved central heating protector, carefully following the manufacturer's instructions.

13. Run the central heating system up to full temperature and release any trapped air using the Air Vent Plug. Place the Plug Covers over the two plugs and the installation is finished.



Reaction to fire: **A1**  
 Release of dangerous substances: **None**  
 Maximum operating pressure: **1000 kPa**  
 Surface temperature: Maximum **110°C**  
 Resistance against corrosion: **No corrosion after 100 h humidity**  
 Resistance against minor impact: **Class 0**



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