



Technical Bulletin	TB55
Product Group	Spares
Edition No:	2
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## Rope Seal Replacement

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### The Rope Seal Kit

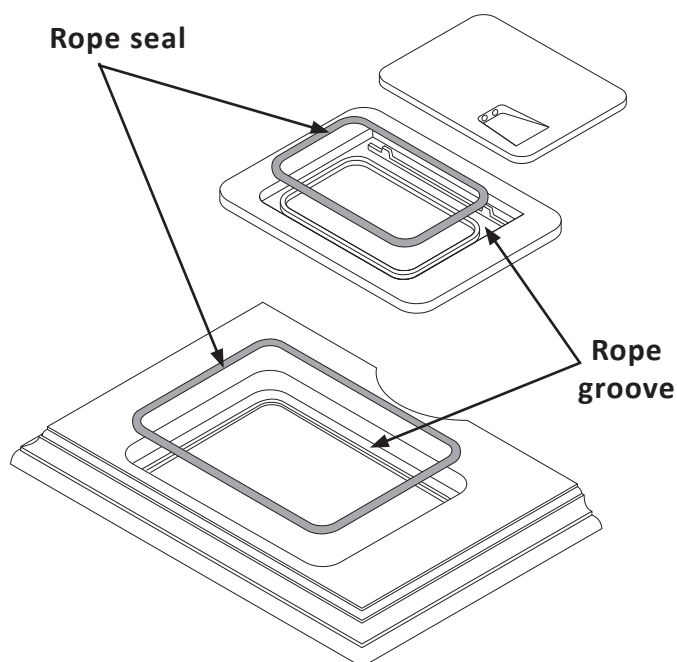
The rope seal replacement kit will contain lengths of rope suitable to replace those used to seal the stove. They will need cutting to the correct length for the doors or plates which require the new seals. In some cases you may be supplied with a hollow core rope seal as a replacement for the ceramic rope seal.



Supplied in the kit is also a bottle or tube/tubes of rope glue for fixing the ropes into the rope grooves.

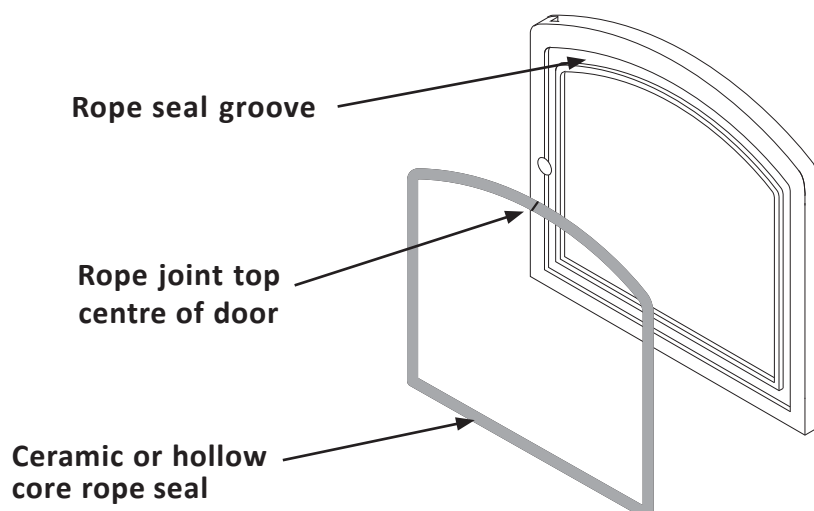
If a bottle it may have settled out and may require vigorous shaking or stirring before application.

If tubes then squeeze the tube over some newspaper until the paste appears. A thin runny liquid will come out first.



### Removal of the Old Seal

Pull the old rope seal from the rope groove, it may require a flat bladed screw driver to lift it from the groove. Clean the groove of all accumulated dirt and old rope glue, a flat bladed screw driver and wire brush are recommended to clean the groove. If you can it is also best to vacuum the dirt and dust from the groove to ensure a good bond with the glue.





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### Fitting New Seal

The ceramic rope in the seal set kits is cut to an approximate length, as the kits fit various stoves (or in one length if the same rope fits to different areas of the stove). Run the rope around the rope groove and cut it to the required length. To avoid the ceramic rope fraying use a very sharp knife or scissors, or put masking tape around the rope before cutting it. Remove it from the groove and apply a bead of rope glue into the rope groove. Push the rope back into the groove ensuring that the joint is at the top of the door and fitting tightly together and that the rope is pushed firmly into any corners. Do not stretch the rope as this reduces its diameter and will effect the air tight seal. Close the door and adjust the handle latch accordingly.

Replacement of the other rope seals is carried out in the same manner. The hollow core rope in the seal set kits is cut to an approximate length, as the kits fit various stoves. Run the rope around the rope groove to measure the correct length then add 30mm to this length and cut it. Push the rope back into the groove ensuring that the joint is at the bottom and slide 30mm of one end inside the other so forming an interlocking air tight joint.

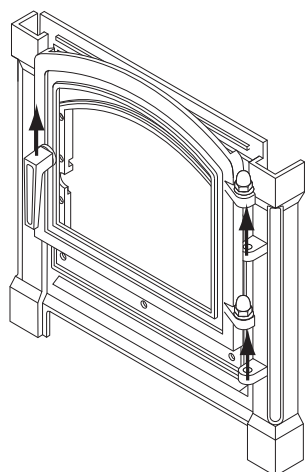
You may find removing the door may make replacement easier.

### Door Removal with a Brass Hinge Tube

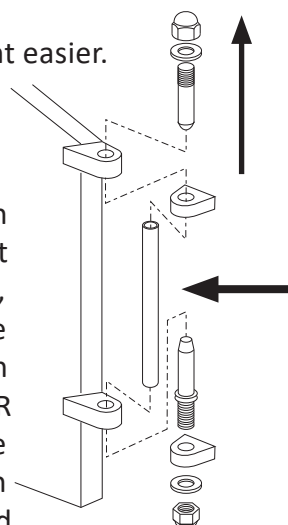
#### Upper Hinge Pin Removal

Open the door to the stove. To remove the top hinge pin lift it upwards, if it is found to be tight undo the brass nut and fit a spacer between the nut and the brass washer, if it has an enamel finish protect the door with a piece of cloth below the washer. Tighten the nut back down and in so doing this will lift the pin upwards. NEVER KNOCK THE HINGE PIN DOWN as this will force it into the casting and make its removal very difficult and result in the brass tube becoming damaged. If this has occurred

the brass tube must be cut and removed and the pin tapped upwards, a new hinge pin and brass tube will be required.



**Open door and lift upwards holding hinge side of door and the handle.**

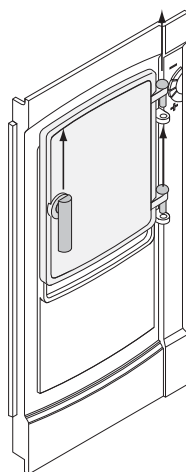


**LIFT TOP HINGE PIN UPWARDS**

**To remove the brass tube pull to one side and lift it off the lower hinge pin.**

### Door Removal without a Brass Hinge Tube

To remove the door undo the handle and open the door. Lift the door and hinge pins straight up holding the hinge side of the door and the handle. Reverse the procedure to refit ensuring that if there were any washers fitted they are also replaced.





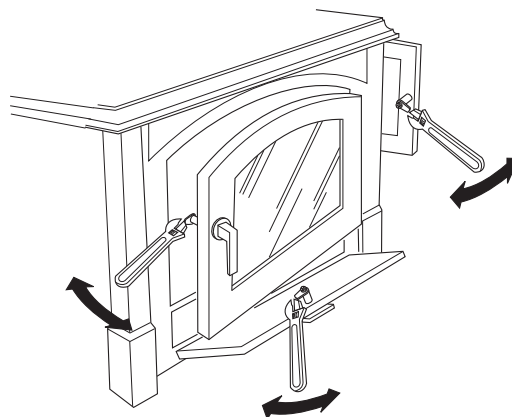
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### Door Handle Adjustment

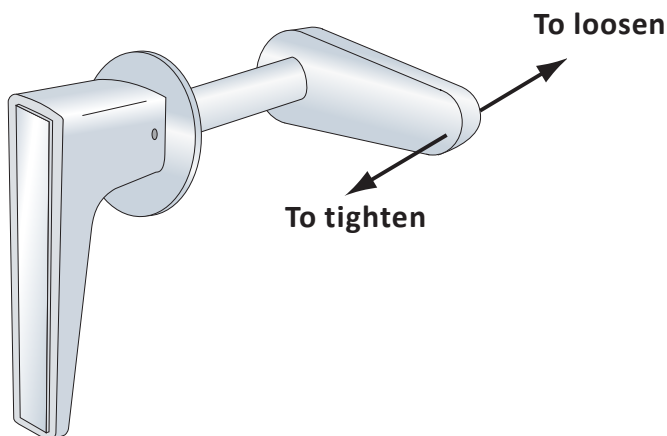
It is very important for correct operation that all the doors (fire box glass door, side door and ash pan door) when closed are air tight. Your stove is provided with an adjustable door latch.



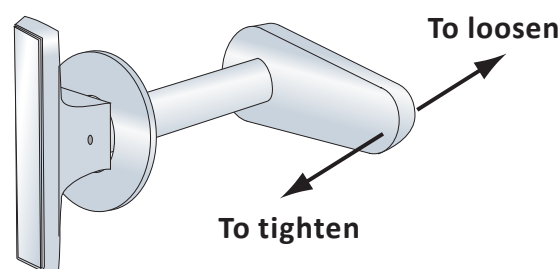
### Handles with Flat Blades

The flat latch blades can be bent using an adjustable spanner. Bent towards the handle to tighten and away from the handle to loosen.

#### Main Firebox Door and Side Loading Door



#### Lower Ash Pan Door



### Checking the Adjustment

If the handle will not shut then the latch blade will need adjusting to loosen the latch blade. If the handle shuts but you are unsure how air tight the seal then a simple test will ascertain this.

Tear a 50mm (2 inch) strip of standard copier paper from an A4 sheet and then fold it in half. Shut this into the door in various places around the door. Pull the paper outwards. If it is held firm then the seal is good. If the paper slides out easily with little resistance then the latch blade will need to be adjusted to tighten the handle.



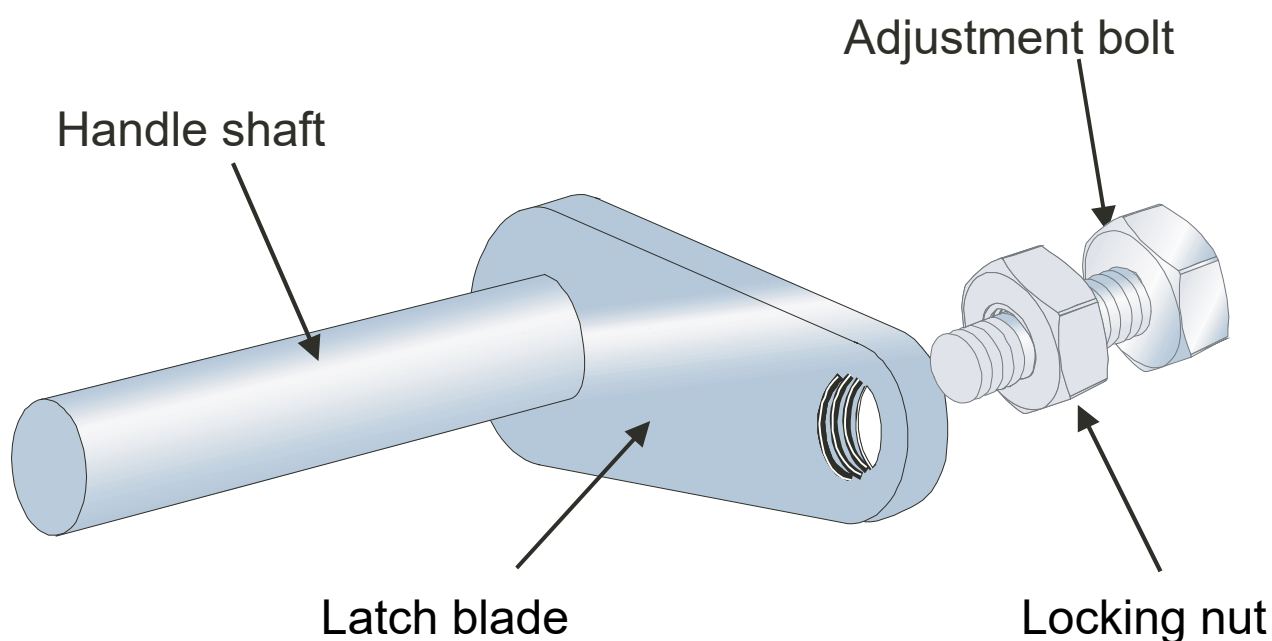
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### Door Handle Adjustment with an adjustment bolt

It is very important for correct operation that the doors when closed are air tight. The stove may have an adjustable door latch.



The bolt and nut may need spraying with a penetrating oil such as WD40 and left to soak before trying to adjust it.

To adjust the furnace door handle latch, loosen the locking nut and adjust the bolt in or out as required. Re tighten the locking nut. The adjustment should be made in such away that when the handle is in its closed position the door is air tight. To check the adjustment follow the procedure on the previous page.



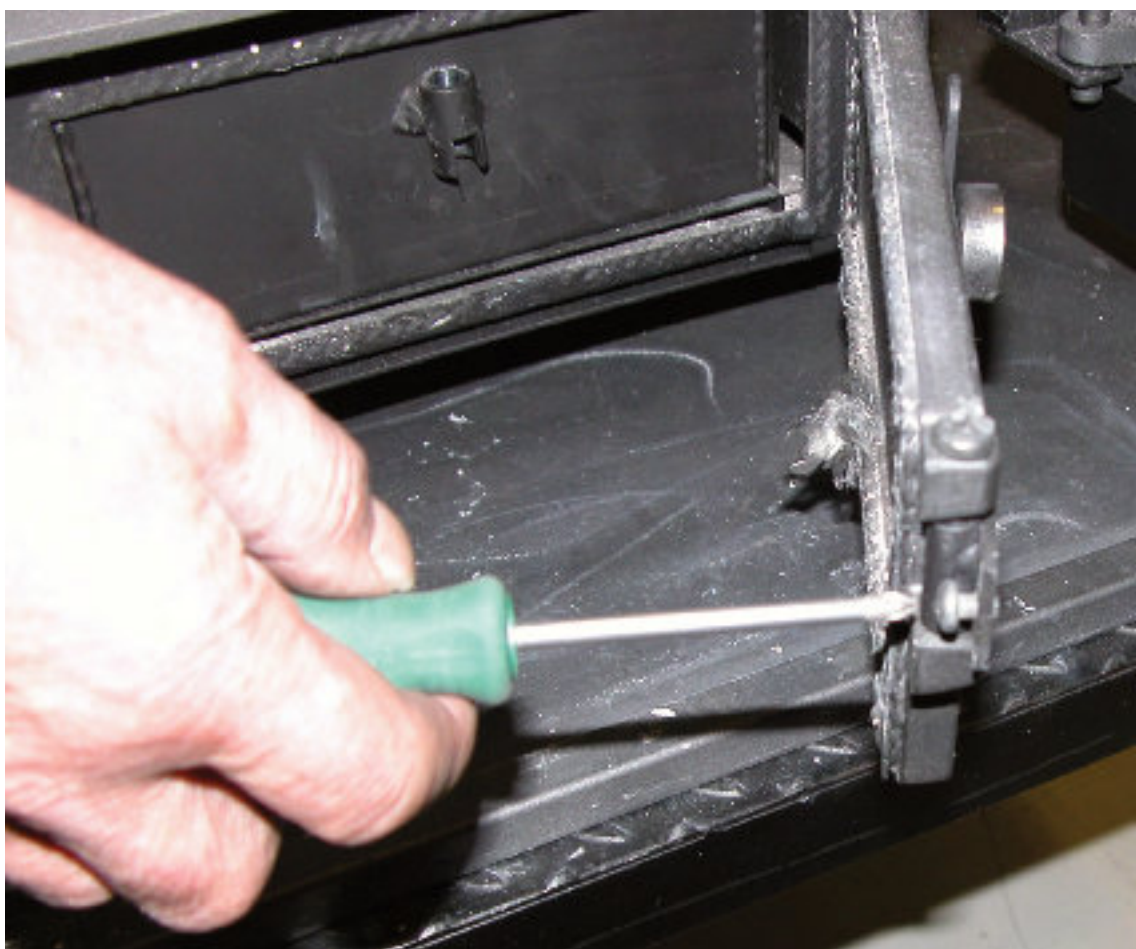
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### Ash Pan Door Adjustment Plexus Stoves

It is very important for correct operation that the ash pan door when closed is air tight. Your stove is provided with an adjustable ash pan door lever adjustment.



Adjust the screw at the end of the ash pan door lever to give a positive action when closing. Do not over adjust. The closing action of the lever should have a gentle resistance.





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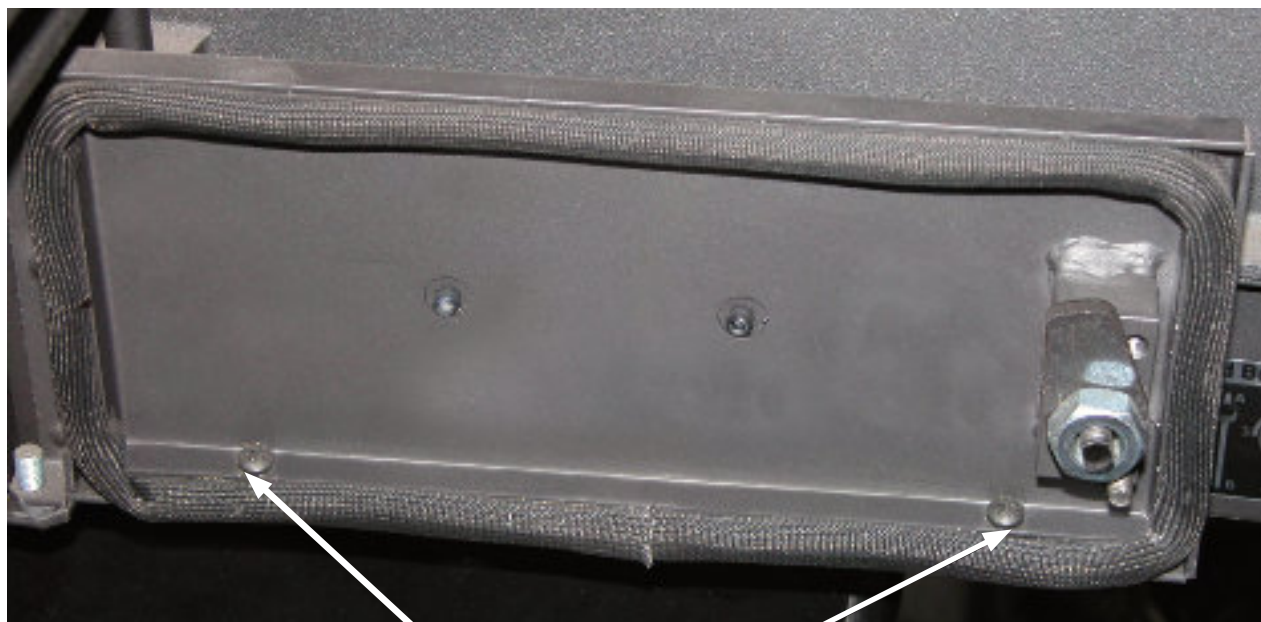
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### Ash Pan Door with Hollow Rope Seal

#### Removal of Old Hollow Rope Seal

If there are any self tapping screws holding the hollow rope seal in place remove these. Pull the old rope seal from the rope groove, it may require a flat bladed screw driver to lift it from the groove. Clean the groove of all accumulated dirt and old rope glue, a flat bladed screw driver and wire brush are recommended to clean the groove.



Self Tapping  
Retaining Screws

#### Fitting New Hollow Rope Seal

The hollow rope in the seal set kits it cut to an approximate length, as the kits fit various stoves. Run the rope around the rope groove and cut it longer than is required by about 30mm so that one end can be tucked into the other to make a good seal. Remove it from the groove and apply a bead of rope glue into the rope groove. Push the rope back into the groove ensuring that the joint is at the top and fitting tightly together. Replace any self tapping screws that you may have been removed to take out the old rope seal. Close the door and adjust the handle latch accordingly.