Repair Instructions

Installation of 13mm port hole

To suit: TRH/TEC/TPR/TLR/TRI/TBW/TUF/TI-Premium

Approvals		
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Safety Reminder

These instructions do not purport to address all potential safety issues, if any, associated with the product's use. It is the responsibility of the user of these instructions to establish appropriate safety and health practices and determine the applicability of regulatory limitations before use.

Before attempting any of the following, perform the actions listed below:

• Turn OFF power to the equipment.

• Unplug the equipment.

Summary

These instructions are for installing a 13mm port hole in a suitable Thermoline product.

Please note port holes can not be added to spark proof cabinets. Due to internal heater pads bench top TI incubators can only have additional portholes installed during manufacture.

Thermoline recommends this work is carried out by a trained competent person.

Estimated time to complete: Less than 30 minutes

Tools Required	
Drill	To suit supplied 20mm hole saw and 5mm drill bit.
Marker	Suitable to mark the location of the pilot hole.
Box Knife	Caution - Sharp
Tape Measure	To measure wall thickness.
Safety Glasses	
Safety Gloves	

Kit Contents		
Item	Description	Quantity
13PORTHOLE-KIT	End Bushes (one of each size) Rubber Plug 20mm hole saw 5mm drill bit Silicone Sealant	2 1 1 1 1

Section 1: Preparation

Remove samples/stock from the cabinet preserving the cold chain if applicable.

Turn off the power and remove the plug from the outlet.

Remove the shelves to allow access on the inside of the cabinet while installing the porthole.

Section 2: Installation

Mark the location of the pilot hole with a suitable marker. Please ensure that port hole will be away from the Shelvex strips, other internal fixtures and walls.

Use the 5mm drill bit to create a pilot hole from the outside.

You will be left with a pilot hole going all the way through the wall of the cabinet.

Using the 20mm hole saw, drill through the pilot hole from the outside.

Once the tip of the hole saw reaches the internal skin of the cabinet, remove the hole saw and then use the hole saw to drill from the inside.
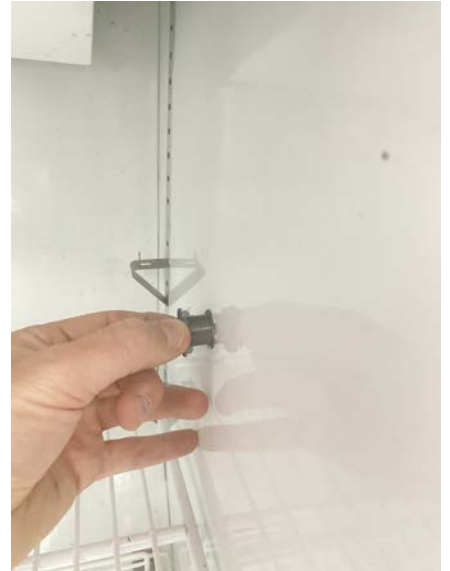
Once done, the hole for the port hole should be like this. You may need to clean out any loose foam.

Internally, the two pieces of the 13mm porthole butt up together when fitted.

Place a bead of silicone around the plastic bushes.

Insert the plastic bushes with the silicone bead on the outside and then the inside of of the cabinet. The orientation of long and short plastic bushes (inside or outside) doesn't matter as long as one of each is used to make the port hole.

Inside view of the completed porthole.

Once the porthole is in place, you can insert the rubber plug on the outside of the cabinet.

Section 4: Power ON

Allow the silicone to cure. Replace the shelves and plug the cabinet back in. Turn on the power and return the stock taking care to maintain the cold chain if applicable.

Section 5: Support and Contact

Repair and Support is available over the telephone Monday through Thursday from 8:30am to 4pm and Friday 8:30am to 2pm. Please contact service@thermoline.com.au for email technical support.
You can also visit our website at www.thermoline.com.au for access to additional useful troubleshooting guides, operating manuals, and technical information.

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