

Repair instruction

Description: Thermocouple V1

Part number: 623020

Look for Service Centres, Point of Sale addresses and other information on: www.thetford.eu

Version:

V1

Date:

04-03-2010

Tools required:

Spanner 7mm

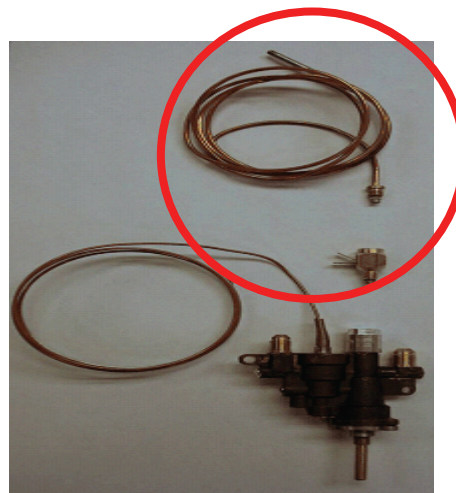


Old Situation

A

There is an interruptor between the thermocouple and the gas valve.

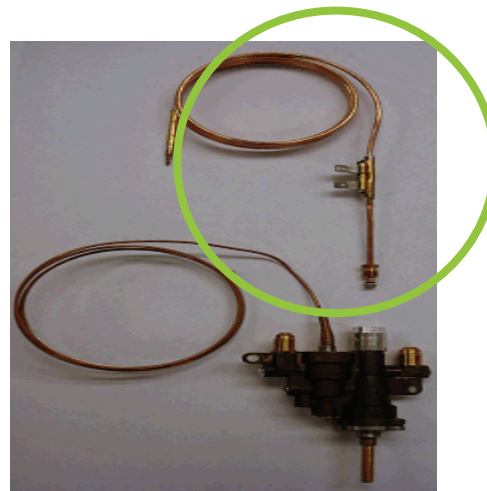
The connections from the thermocouple to the selector switch are located onto this interruptor.



New Situation

B

The interruptor must be taken out. The connections are now on the thermocouple itself.

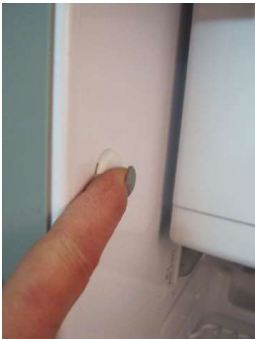


Repair instruction

Description: Cap	
Part Number: 62362208	
Look for Service Centres, Point of Sale addresses and other information on: www.thetford.eu	
Version:	V1
Date:	November 2010
Tools required:	

A

Remove cap with your finger and press new cap in.



Repair instruction

Description: Cap freezer bolt

Part Number: 62447908

Look for Service Centres, Point of Sale addresses and other information on: www.thetford.eu

Version:	V1
Date:	November 2010
Tools required:	Flat screwdriver



A

Remove cap with flat screwdriver and press new cap over bolt.



Repair instruction

Description: Clip shelf large

Part Number: 62362508/62362608

Look for Service Centres, Point of Sale addresses and other information on: www.thetford.eu

Version:

V1

Date:

November 2010

Tools required:

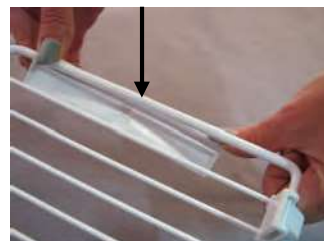
A

Hold shelf with one hand, push up shelf clip with your finger and simultaneously lift shelf up.



B

Remove shelf from refrigerator and push clip of the shelf.



C

Press new clip in and make sure that the nodge on the shelf matches the hole in the clip.



D

Replace shelf in desired position on the left side. Lower shelf on the right side to the same height. Push the clip down into the recess.



Repair instruction

Description: Control knob	
Part Number: 62302507/62302607-30/62568207-30	
Look for Service Centres, Point of Sale addresses and other information on: www.thetford.eu	
Version:	V1
Date:	November 2010
Tools required:	

A

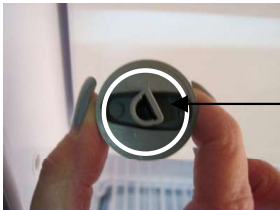
Pull knob from axle.



B

Make sure the new knob has the same geometry as the knob you removed.

Note: if this is incorrect the indicator of the knob will not match with the icons on the refrigerator.



C

Push new knob on axle.



Repair instruction

Description: Gas assembly / Burner
Part number: 631248/631249/623019/623058
Look for Service Centres, Point of Sale addresses and other information on: www.thetford.eu

Version:	V1
Date:	November 2010
Tools required:	Cross Head Screwdriver, 14mm,12mm, 11mm Spanner

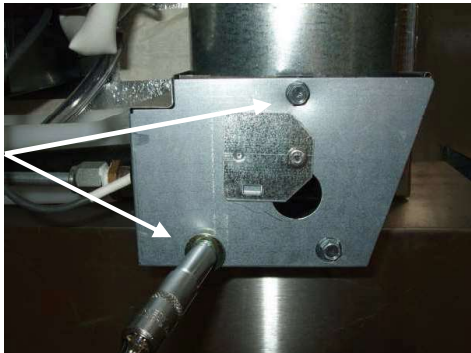
A

Before work commences please ensure the fridge is isolated from the gas supply, this must be carried out by a competent qualified person, and that you have good access to the back of the fridge



B

Start by removing the two 7mm screws from the burner box housing



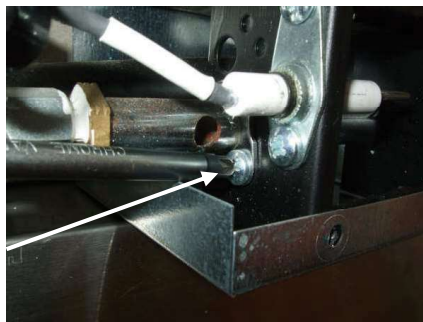
C

Remove the cover taking care not to damage electrode lead



D

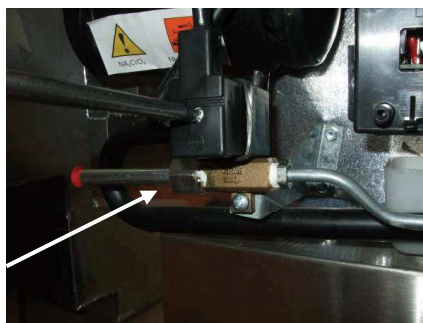
Remove the one screw that is holding the burner to the burner box



E

Remove the plug from the gas valve by undoing the screw and pulling away.

Please be aware that on certain models the gas inlet tube may need to be removed

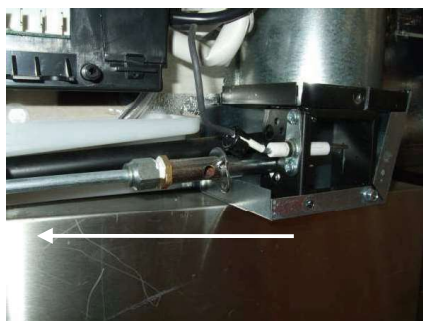


F

Undo the screw which is holding the valve to the galvanised bracket

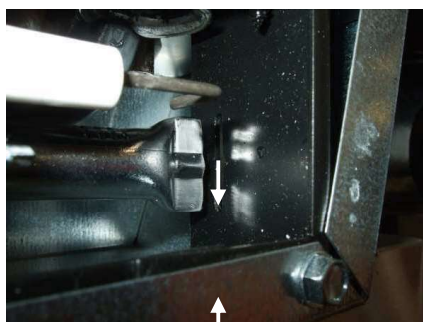
G

The whole assembly can now be removed by sliding the burner out of the burner box housing



H

When inserting the new assembly please ensure that the burner sits back in the slot in the burner box



I

The valve can now be re-attached to the galvenised bracket and the black plug screwed onto the new valve making sure the seal is correctly in place, where necessary re-attach the inlet tube using a 17mm Spanner and a torque setting of 20Nm +2/-0



J

Secure the burner to the housing by replacing the screw ensuring there is no movement from the burner



K

The burner box cover can now be put back in place, making sure the electrode lead is free from kinks and passing through the black shroud



L

The fridge can now be re-installed. Before testing the fridge please ensure a soundness test is carried out by a competent qualified person.



Repair instruction

Description: Gas Valve Automatic V5

Part number: 630440

Look for Service Centres, Point of Sale addresses and other information on: www.thetford.eu

Version:

Date:

November 2010

Tools required:

Cross Head Screwdriver, 14mm, 12mm, 11mm
Spanner,

A

The fridge should be isolated by a competent, qualified person from the gas supply before work commences



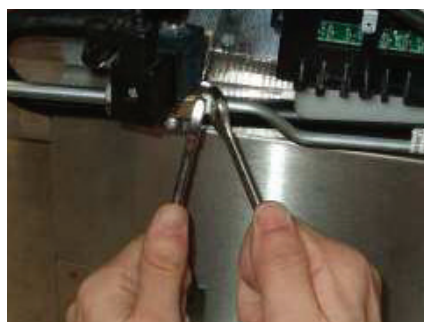
B

Start by loosening the gas inlet tube by turning the nut anti clockwise to the valve, making sure the valve is held firmly in place



C

Secondly loosen the gas pipe to the burner again ensuring the gas valve cant move during disconnection



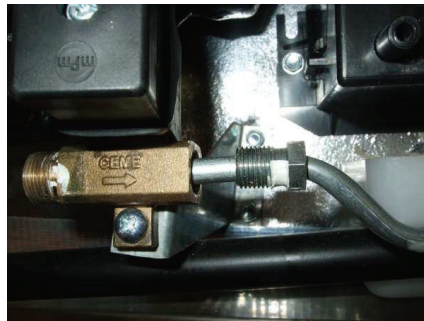
D

The gas inlet tube can now be removed from the gas valve



E

Completely unscrew the fastening that holds the burner pipe to the gas valve



F

Remove the plug from the valve by undoing the screw on the front



G

Remove the screw that's holding the gas valve to the galvanized bracket



H

The gas valve can now be removed by sliding it away from the burner tube



I

Attach the new valve to the burner pipe, screw it back to the galvanised bracket and re-attach the plug to the gas valve



J

Fasten the inlet tube to the valve ensuring a secure sound connection. Using a 17mm spanner and a Torque setting of 20Nm +2/-0



K

Tighten the nut that holds the burner pipe to the gas valve again ensuring a secure connection. Using a 11mm spanner and a Torque setting of 10Nm +0.5/-0



L

The fridge can now be re-installed. Before testing the fridge please ensure a soundness test is carried out by a competent qualified person.



Repair instruction

Description: Displayboard LCD	
Part number: 626972	
Look for Service Centres, Point of Sale addresses and other information on: www.thetford.eu	
Version:	
Date:	November 2010
Tools required:	Cross Head Screwdriver,

A

When exchanging the Display Board there is no need to remove the fridge however we do advise to isolate the fridge from the mains and 12v supply



B

Remove the oval perspex display by using a small flat screwdriver. Push the screwdriver behind the on/off button and pull forward



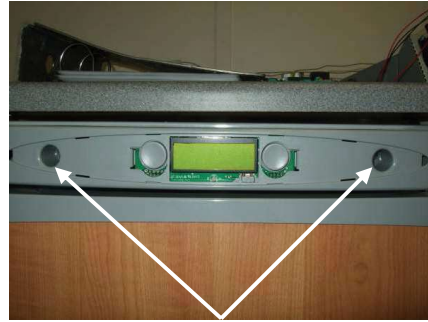
C

Once the first couple of clips have been released the overlay simply pops out



D

Now the overlay has been removed you will see two holes in the grey control board housing.



E

Fully remove the two screws, one found at the bottom of each hole



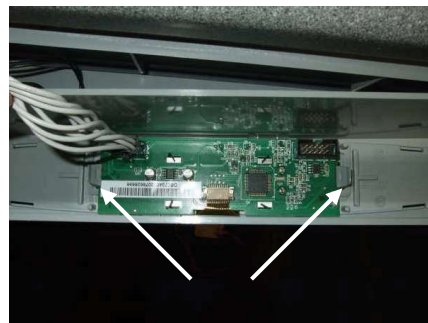
F

The grey control board housing can now be removed taking care not to pull to far from the fridge as the cable is still attached



G

Looking inside the control board housing from the back you will notice the LCD display is held in by two clips



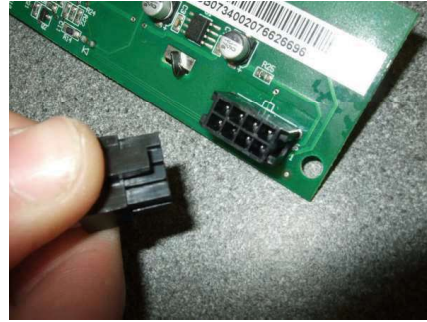
H

Simply hold the clips back and remove the display



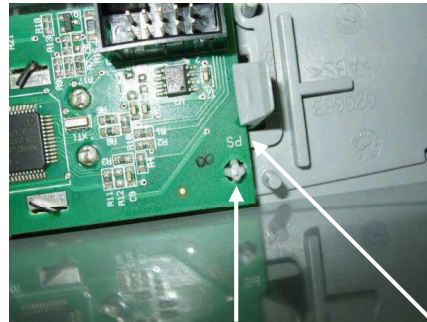
I

Unclip the white wiring loom from the display board by holding the black plug, this way the wiring loom shouldn't get damaged



J

Replace the display board into the control board housing ensuring the holes sit over the lugs and the clips are firmly back in place



K

Replace the control board housing taking care as not to trap any of the wires before screwing it back in place



L

Re-attach the overlay by clipping back in place. The fridge can now be reconnected to the electricity supply and tested



Repair instruction

Description: Interior light switch

Part Number: 629722

Look for Service Centres, Point of Sale addresses and other information on: www.thetford.eu

Version:

V1

Date:

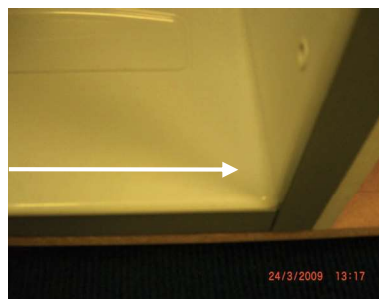
November 2010

Tools required:

Cross Head Screwdriver,

A

On the N180 fridge the reed switch for the interior light is situated in the bottom right hand corner of the cabinet beneath the lining, therefore the fridge needs to be disconnected and laid down in order to change it. This needs to be done by a qualified competent gas engineer



B

Once the fridge has been laid down you will see an envelope flap towards the front of the fridge, remove the tape holding the cardboard in place to reveal the wiring loom



C

The reed switch is located at the right hand side and has 2 black wires going to it



D

Simply unclip the existing faulty reed switch



E

Chase the wiring back to the plug and unclip the reed switch ensuring you pull the white male and female plugs and not the wires



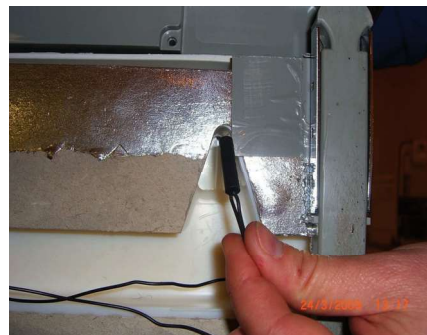
F

Connect the new Reed switch



G

Once the new part has been reconnected to the wiring loom clip the reed switch back into place



H

Once it is back in place ensure the reed switch is pushed up as far as it will go,



I

Replace all the wiring into the channel and tape the cardboard back in place before re-installing the fridge.



Repair instruction

Description: Screw / Speednut insulation cover

Part Number: 624026/624027

Look for Service Centres, Point of Sale addresses and other information on: www.thetford.eu

Version:	V1
Date:	November 2010
Tools required:	Spanner

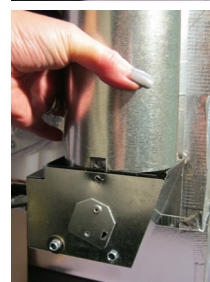
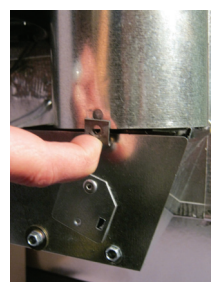
A

Push speed nut over insulation cover, make sure the holes line up.



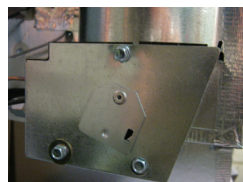
B

Position the insulation cover on top of the burner box, lining up the holes in the burner box and the speednut.



C

Place the screw and tighten with spanner



Repair instruction

Description: Flue exhaust long/short

Part Number: 624480/627008

Look for Service Centres, Point of Sale addresses and other information on: www.thetford.eu

Version:

V1

Date:

November 2010

Tools required:

Spanner

A

Loosen clamp screw.



B

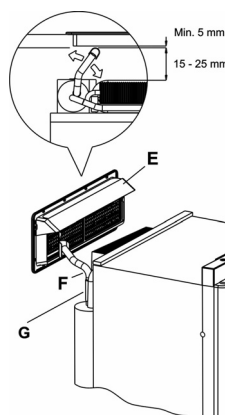
Remove flue exhaust from refrigerator by pulling it upwards.



C

Place new flue exhaust and tighten the clamp screw by hand. Replace the refrigerator in the vehicle, position flue exhaust as shown in drawing. Tighten the clamp screw.

Note: for further instructions we advise to read our installation manual.



Repair instruction

Description: Latch V2
Part Number: 626985-07
Look for Service Centres, Point of Sale addresses and other information on: www.thetford.eu

Version:	V1
Date:	November 2010
Tools required:	Torx T-10 , Cross headed screw driver



A

Remove 2 screws and replace latch.



B

Remove 2 screws and replace strike plate.



Repair instruction

Description: Latch V1
Part Number: 623024-07/627007-90
Look for Service Centres, Point of Sale addresses and other information on: www.thetford.eu

Version:	V1
Date:	November 2010
Tools required:	Torx T-10, cross headed screw driver

A

Remove 2 screws and replace latch.



B

Remove 2 screws and replace strike plate.



Repair instruction

Description: Storage strap
Part Number: 624679-07
Look for Service Centres, Point of Sale addresses and other information on: www.thetford.eu

Version:	V1
Date:	November 2010
Tools required:	



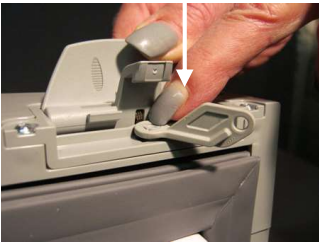
A

Pull latch back and pull up storage strap to remove it from hinge pin.



B

Push new storage strap onto the hinge pin.



Repair instruction

Description: Fin clip

Part Number: 623023

Look for Service Centres, Point of Sale addresses and other information on: www.thetford.eu

Version:

V1

Date:

November 2010

Tools required:

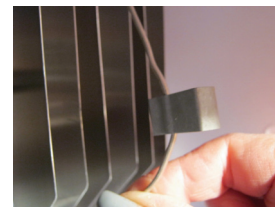
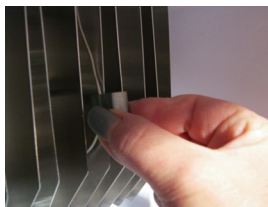
A

Note: be aware on which fin the original fin clip is positioned.



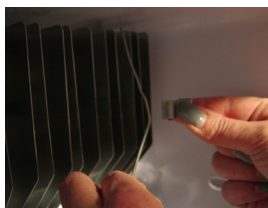
B

Pull fin clip off the fin.



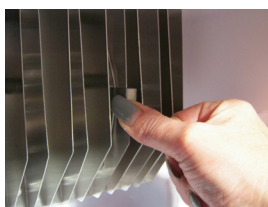
C

Remove capillary tube from fin clip.
Note: be carefull with bending the capillary tube. In case it cracks, thermostat needs to be replaced.



D

Place capillary tube back into new fin clip and push it back onto the fin.



Repair instruction

Description: Interior light cover
Part Number: 624002
Look for Service Centres, Point of Sale addresses and other information on: www.thetford.eu

Version:	V1
Date:	November 2010
Tools required:	



A

Push in the 2 clips on the side of the cover, and remove cover.



B

Press new cover in.



Repair instruction

Description: Interior light bulb
Part Number: 624003
Look for Service Centres, Point of Sale addresses and other information on: www.thetford.eu

Version:	V1
Date:	November 2010
Tools required:	



A

Push in the 2 clips on the side of the cover, and remove cover.



B

Remove light bulb fitting.



C

Press new light bulb and cover in.



Repair instruction

Description: Fin clip

Part Number: 623059

Look for Service Centres, Point of Sale addresses and other information on: www.thetford.eu

Version:

V1

Date:

November 2010

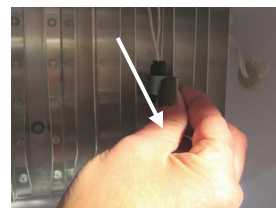
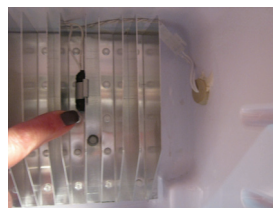
Tools required:

Note: be aware on which fin the original fin clip is positioned.



A

Pull fin clip off the fin



B

Remove thermistor from fin clip.
Push thermistor in new fin clip.



C

Press fin clip back onto the fin.



Repair instruction

Description: Thermistor	
Part Number: 623077	
Look for Service Centres, Point of Sale addresses and other information on: www.thetford.eu	
Version:	V1
Date:	November 2010
Tools required:	

Note: be aware on which fin the original fin clip is positioned.



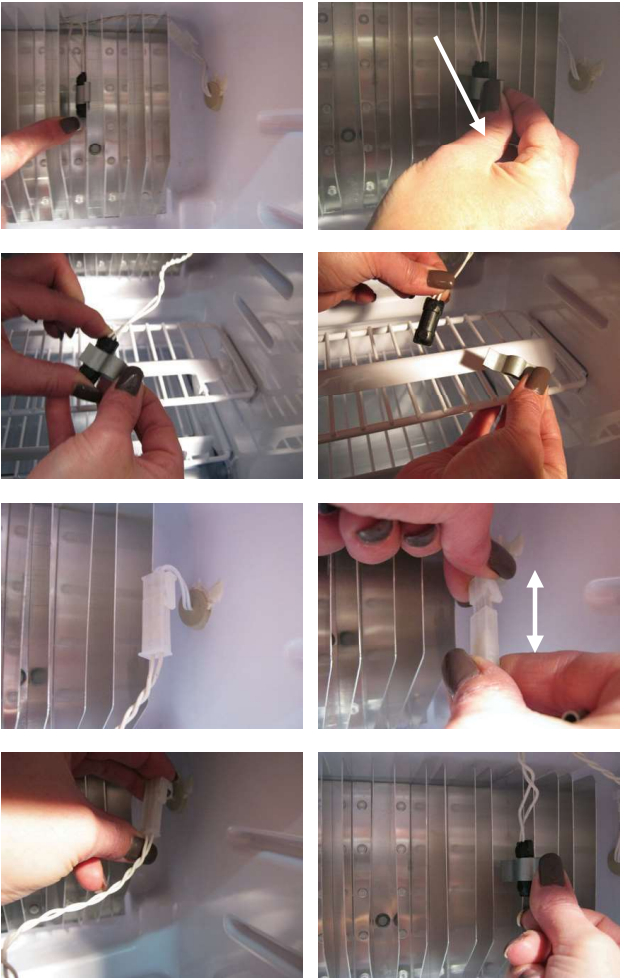
- A

Pull fin clip off the fin
- B

Remove thermistor from fin clip.
- C

Disconnect the connector by pushing in clip on the side.
- D

Push new thermistor in and place fin clip back onto the fin.



Repair instruction

Description: Flip top cover

Part Number: 623615/623616

Look for Service Centres, Point of Sale addresses and other information on: www.thetford.eu

Version:

V1

Date:

November 2010

Tools required:



A

Remove vegetable bin, and pull flip top cover from hinge pins.



B

Place new flip top cover, and put vegetable bin back.



Repair instruction

Description: Vegetable bin

Part Number: 623617/623618/623619

Look for Service Centres, Point of Sale addresses and other information on: www.thetford.eu

Version:	V1
Date:	November 2010
Tools required:	



A

Remove vegetable bin and new place new one.

Note: Lift up flip top cover completely when placing the new bin.



Repair instruction

Description: Overlay LCD

Part Number: 626975

Look for Service Centres, Point of Sale addresses and other information on: www.thetford.eu

Version:	V1
Date:	November 2010
Tools required:	Small flat screwdriver



A

Place screwdriver between on/off button and overlay.
Note: be carefull not to scratch the overlay.



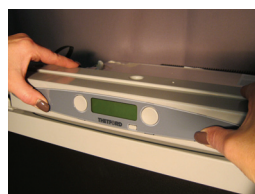
B

Move screwdriver upwards and simultaneously put your finger between overlay and control panel.
Pull overlay forward on the bottom and down to release the top clips.



C

(1) Push side clips of overlay in position,
(2) Push in top clips.
(3) Push in bottom clips.



Repair instruction

Description: Shelf food retainer
Part Number: 624456-08
Look for Service Centres, Point of Sale addresses and other information on: www.thetford.eu

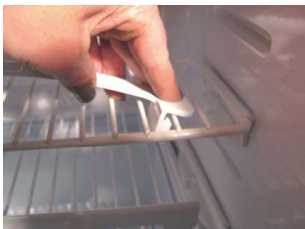
Version:	V1
Date:	November 2010
Tools required:	

A

Tilt shelf food retainer backwards onto the shelf. Bend shelf food retainer to release it from the shelf.

B

Place new shelf food retainer and slide clip underneath the shelf wire. Bend shelf food retainer on other side to connect it to the shelf.



Repair instruction

Description: Hinge freezer door
Part Number: 624680-08
Look for Service Centres, Point of Sale addresses and other information on: www.thetford.eu

Version:	V1
Date:	November 2010
Tools required:	Philips screwdriver

A

Remove 2 screws attaching the freezer door hinges to the bottom of the freezer cabinet. Remove freezer door.



B

Remove both hinges by taking out the 2 screws



C

Place freezer door in front of freezer cabinet, pushing it up and inwards, (against the tension of the springs in the hinges), place screws back.



Repair instruction

Description: Bottom latch small
Part Number: 62400127
Look for Service Centres, Point of Sale addresses and other information on: www.thetford.eu

Version:	V1
Date:	November 2010
Tools required:	

A

Open door and turn bottom latch completely inwards.



B

Pull bottom latch in direction of the door and replace.



Repair instruction

Description: Blade fuse

Part Number: 626996/626998/624028/624029

Look for Service Centres, Point of Sale addresses and other information on: www.thetford.eu

Version:

V1

Date:

November 2010

Tools required:

Torx T-10 screwdriver, Philips screwdriver

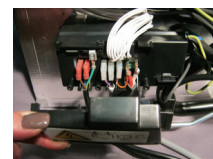
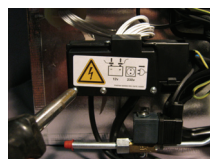
A

Remove 4 screws from black cover on power board housing.



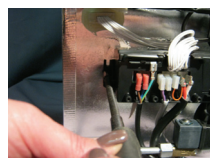
B

Remove 2 screws on side attaching the power board housing to the refrigerator.



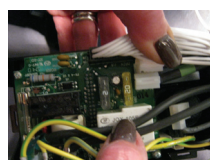
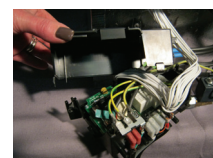
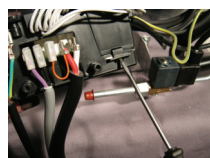
C

Remove 2 screws from strain relief on power board housing, and remove cover.



D

There are 3 fuses on the power board. Check the fuses, and replace the blown fuse.



Repair instruction

Description: Glass fuse

Part Number: 624030

Look for Service Centres, Point of Sale addresses and other information on: www.thetford.eu

Version:

V1

Date:

November 2010

Tools required:

Torx T-10 screwdriver, Philips screwdriver

A

Remove 4 screws from black cover on power board housing.

B

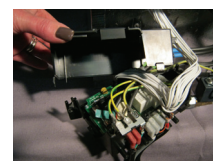
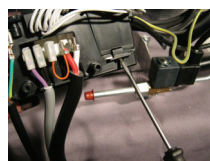
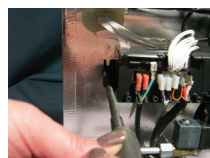
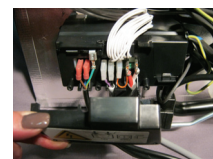
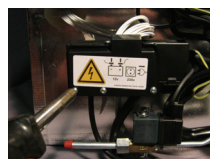
Remove 2 screws on side attaching the power board housing to the refrigerator.

C

Remove 2 screws from strain relief on power board housing, and remove cover.

D

Replace glass fuse.



Repair instruction

Description: Combustion flap

Part Number: 624020/624021

Look for Service Centres, Point of Sale addresses and other information on: www.thetford.eu

Version:

V1

Date:

November 2010

Tools required:

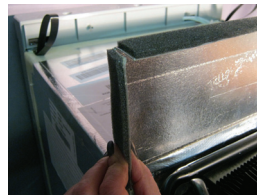
A

Remove protective layer from tape, and attach combustion flap on top rear of refrigerator.



B

Bend foam strips (4x) in correct position.



Repair instruction

Description: Cabinet side seal

Part Number: 624476/624477/624478

Look for Service Centres, Point of Sale addresses and other information on: www.thetford.eu

Version:

V1

Date:

November 2010

Tools required:

A

Remove protective layer from tape, and attach side seal to side rear end of refrigerator.

Note: closed side of seal should point backwards.



Repair instruction

Description: Freezer door
Part Number: 623043-08
Look for Service Centres, Point of Sale addresses and other information on: www.thetford.eu

Version:	V1
Date:	November 2010
Tools required:	Philips screwdriver



A

Remove 2 screws attaching the freezer door hinges to the bottom of the freezer cabinet. Remove freezer door.



B

Place freezer door in front of freezer cabinet, pushing it up and inwards, (against the tension of the springs in the hinges), place screws back.



Repair instruction

Description: Bottle retainer

Part Number: 62304212

Look for Service Centres, Point of Sale addresses and other information on: www.thetford.eu

Version:

V1

Date:

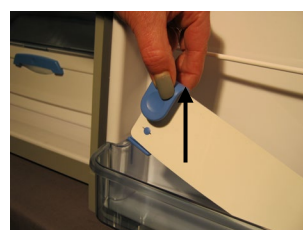
November 2010

Tools required:



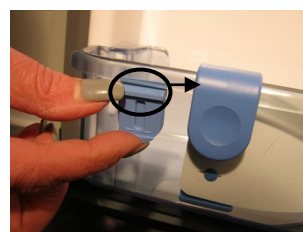
A

Pull both clips, left and right, on bottle retainer towards you which allows the strap bumper to come out. Remove retainer.



B

Position new bottle retainer over door bin. Place the strap bumper underneath the edge of the door bin. Slide strap bumper sideways into the clip of the bottle retainer.



Repair instruction

Description: SR HEATER AC 190W N145/N150/N175/N180

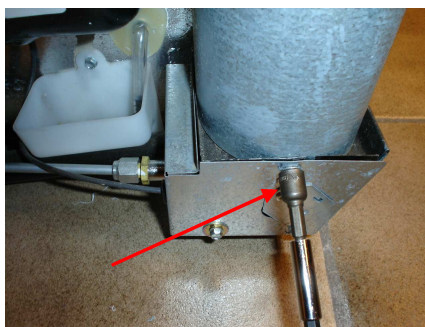
Part number: 631752 SR HEATER 12V 190W

Look for Service Centres, Point of Sale addresses and other information on: www.thetford.eu

Version:	V2
Date:	04.12.2008
Tools required:	7mm nut spinner, torx 10 screwdriver, small flat Screwdriver, long nose pliers, wire cutters.

A

Unscrew the burner box cover



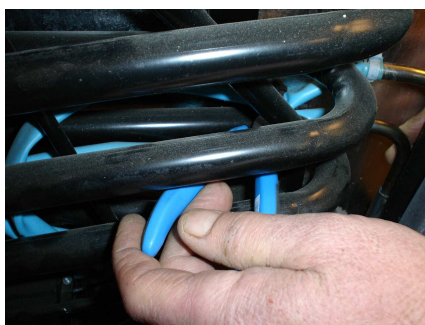
B

Remove thermal insulation cover



C

Remove cable tie



Repair instruction

Description: Heater N145/N150/N175/N180

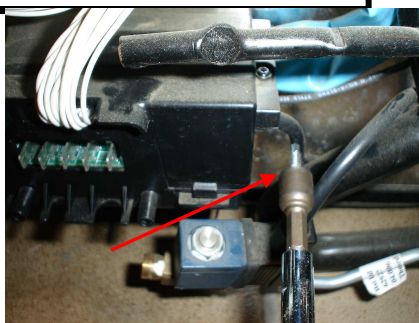
Part number: 631752 SR HEATER 12V 190W

Look for Service Centres, Point of Sale addresses and other information on: www.thetford.eu

Version:	V2
Date:	04.12.2008
Tools required:	7mm nut spinner, torx 10 screwdriver, small flat Screwdriver, long nose pliers, wire cutters.

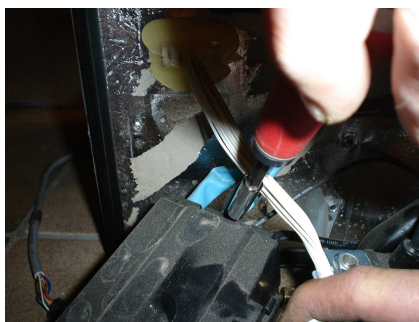
D

Remove the powerboard



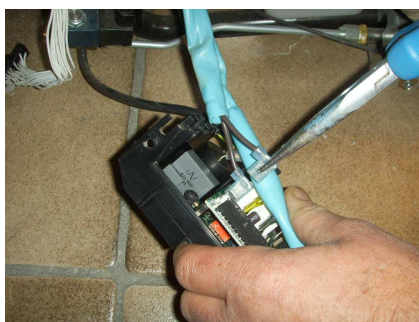
E

Remove powerboard cover



F

Remove 12V element connection



Repair instruction

Description: Heater N145/N150/N175/N180

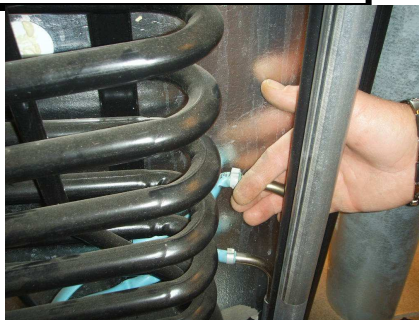
Part number: 631752 SR HEATER 12V 190W

Look for Service Centres, Point of Sale addresses and other information on: www.thetford.eu

Version:	V2
Date:	04.12.2008
Tools required:	7mm nut spinner, torx 10 screwdriver, small flat Screwdriver, long nose pliers, wire cutters.

G

Remove the top element



H

Replace the top element ensuring it is pushed in fully.



I

Connect the 12V element.



Repair instruction

Description: Heater N145/N150/N175/N180

Part number: 631752 SR HEATER 12V 190W

Look for Service Centres, Point of Sale addresses and other information on: www.thetford.eu

Version:	V2
Date:	04.12.2008
Tools required:	7mm nut spinner, torx 10 screwdriver, small flat Screwdriver, long nose pliers, wire cutters.

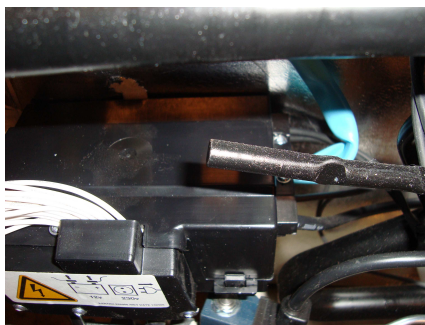
J

Put/screw the power board cover back



K

Screw the power board back on the fridge



Repair instruction

Description: Heater N145/N150/N175/N180

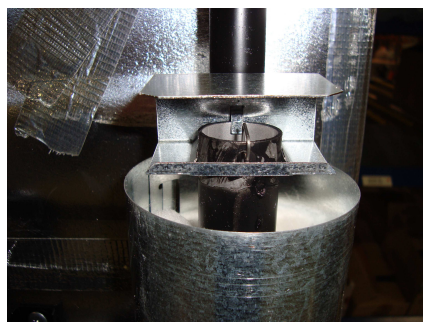
Part number: 631752 SR HEATER 12V 190W

Look for Service Centres, Point of Sale addresses and other information on: www.thetford.eu

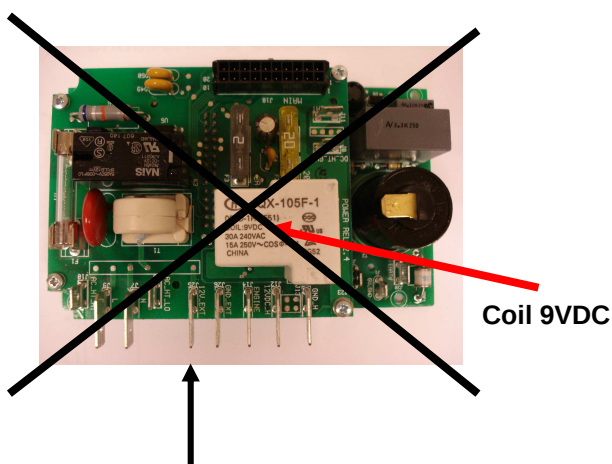
Version:	V2
Date:	04.12.2008
Tools required:	7mm nut spinner, torx 10 screwdriver, small flat Screwdriver, long nose pliers, wire cutters.

L

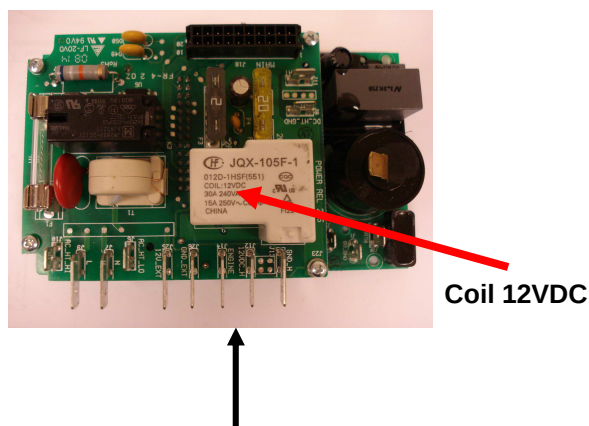
Refit the thermal insulation cover ensuring the tube is in the centre of the insulation



K



IMPORTANT NOTE: The power board with a white relay with identification **COIL 9VDC** is **NOT** suitable to be equipped with a 190W heater. This combination can lead to hazardous circumstances such as melted wiring.



NOTE: The power board with a relay (black or white) with identification **COIL 12 VDC** is suitable to be equipped with the 190W heater.

Repair instruction

Description: Power Board Housing

Part Number: 634420/634421/634422/634423

Look for Service Centres, Point of Sale addresses and other information on: www.thetford.eu

Version:

V1

Date:

December 2010

Tools required:

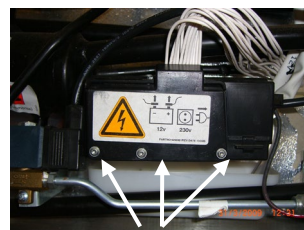
Torx T10, Philips screwdriver, 7mm nut spinner

NOTE: make sure to wear ESD protection/
f.i. ESD bracelet



A

If the fridge needs to be removed please make sure this is done by a qualified competent person. Isolate the fridge from all power sources. Once you have access to the power board start by removing the 3 torque screws holding the cover in place.



B

Once the cover has been removed, the mains and 12v connections can be disconnected *.



C

The power board can now be removed by undoing the two 7mm nut screws, one each side of the board, please note that the gas solenoid valve may need to be rotated to access one of the screws.



D

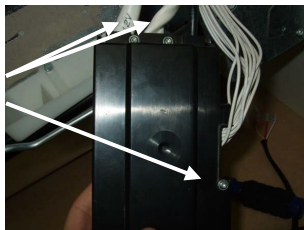
The power board and housing can now be pulled clear of the fridge for ease of access.



* Please note, the colour of the 12v cables illustrated may not match those of the fridge you are working on.

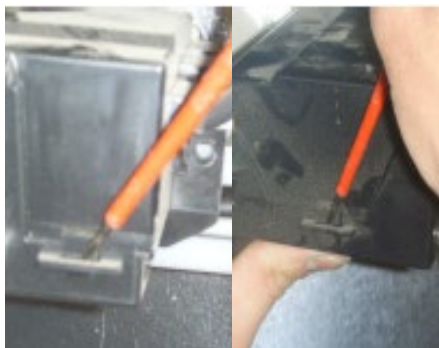
E

Now you have clear access to the board remove the 3 torque screws from the top of the board housing.



F

Using a flat head screwdriver undo the 2 clips holding the top of power board cover in place.



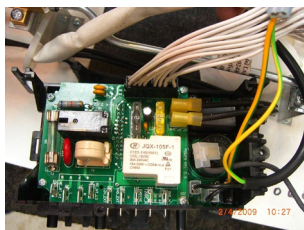
G

The power board lid can now be removed giving you access to the circuit boards and wiring beneath.



H

To disconnect the power board start by removing the earth bar and Mains element.



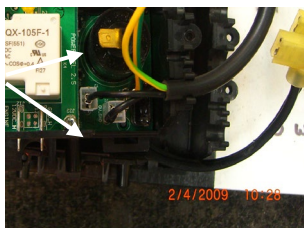
I

Also remove the 12v element connections and the white wiring harness taking care to pull the black socket and not the wires.



J

And finally the electrode lead and gas valve leads can be removed.



K

The replacement board can now be reconnected connecting the wires in reverse as above.



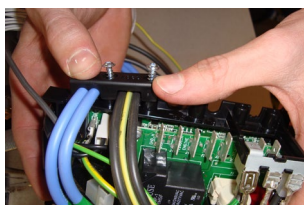
L

Install heater cables, spark electrode, solenoid cable and earth cables on same position.



M

Place strainrelief. Torque 1 Nm.



N

Make sure also white wire harness is installed.



O

Place cover and mount cover with 2 screws to bottom. Torque 1 Nm.



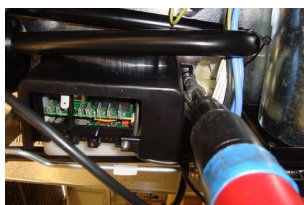
P

Place tywrap around white wire harness & heater cables.



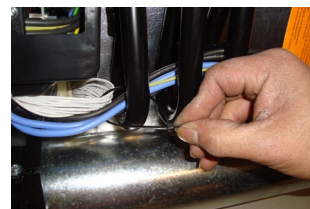
Q

Install power board housing to back of fridge by 2 screws. Torque 2 Nm.



R

Pull cables away from burner and fix them with a tywrap to tube.



S

Install power cables.
Attention: Make sure the sleeves are placed in the strainrelief as indicated in picture.



T

Place strainrelief by mounting 2 screws. Torque 1 Nm.



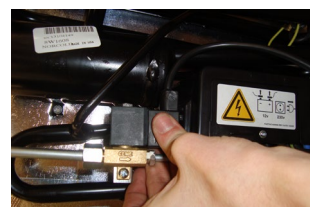
U

Place lid by sliding it into the power board housing and fix it by 1 screw. Torque 1 Nm.



V

Assemble solenoid cable and rotate. Torque handtight.



The fridge can now be re-installed.
Before testing the fridge please ensure a soundness test is carried out by a competent qualified person.



Repair instruction

Description: Insulation tube ACU505

Part Number: 632972

Look for Service Centres, Point of Sale addresses and other information on: www.thetford.eu

Version: V1

Date: May 2009

Tools required:

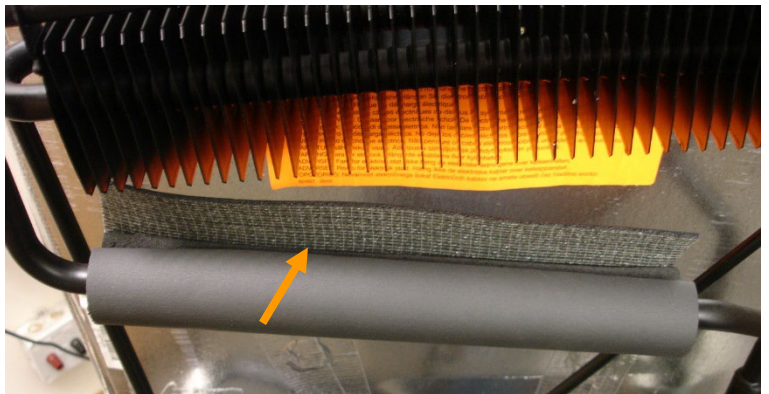
A

Place on the backside of the fridge the insulation tube over the tube as shown in the picture.



B

Remove the foil of the tape and position the tape on the insulation tube on one side.



C

While minimizing the gap of the insulation tube place the tape over the insulation tube.



D

Squeeze the tape and the insulation tube tightly together.

