

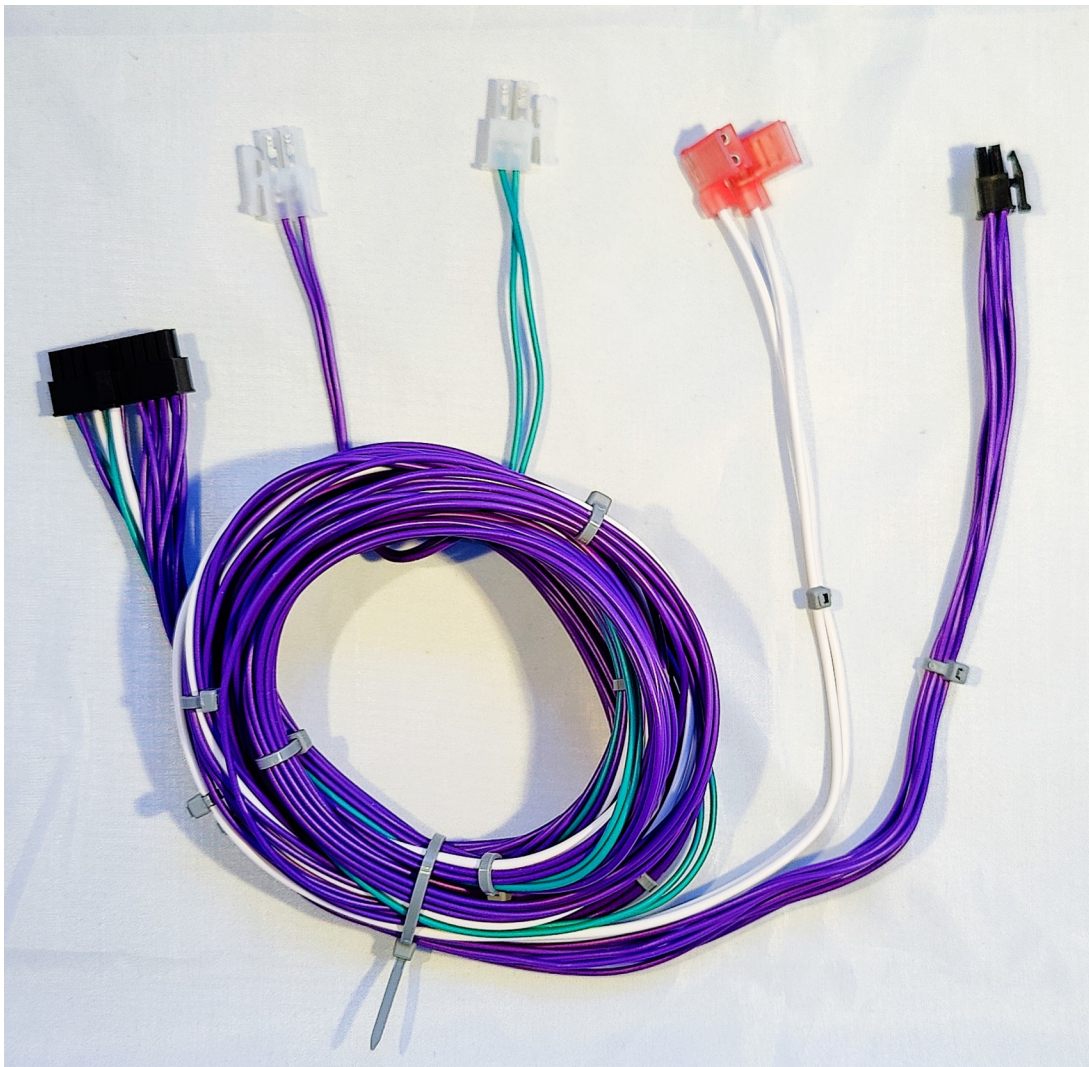


# APULJACK

## ELECTRONICS LTD

DESIGN AND REPAIR SPECIALISTS

### Thetford Fridge Wiring Loom



Replaces the internal loom in LCD Thetford fridges: N90, N97, N100, N104, N108, N109, N112, N145, N150 & N175

**Part Number: 12358**

## 1. Description

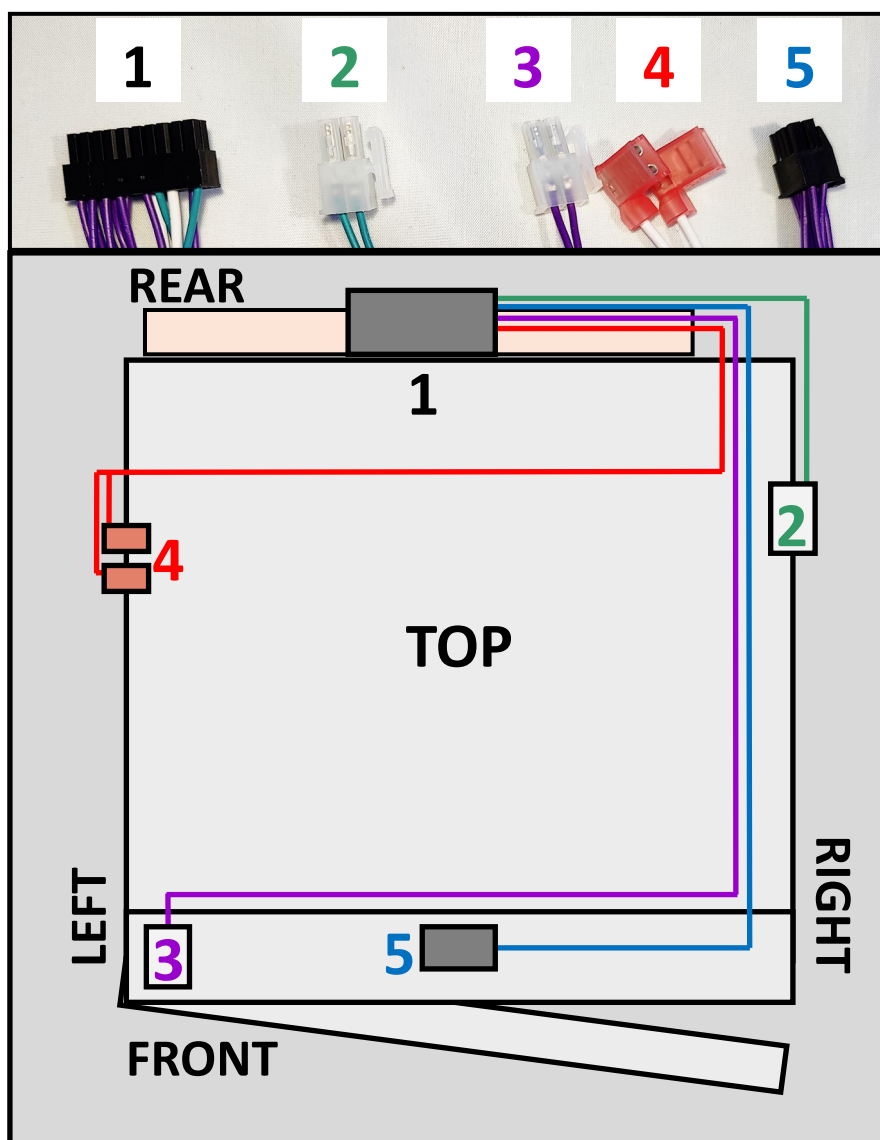
This loom has been designed as a replacement for the wiring loom in a Thetford LCD series fridge. The wiring in the fridge is embedded in the casing and Thetford do not supply a replacement due to this and suggest you replace the whole fridge. This loom can be easily fitted externally with minimal tools and takes little time. The loom has the same connectors, and coloured wires, to make fitting easier.

*You will need to pull the fridge out to access all sides and the top to fit*

According to UK law, ONLY Gas Safe Registered Engineers or equivalent can install this loom, and ALL Gas Safe Rules must also be followed.

## 2. Fitting

### 2.1 Loom Fitting Diagram

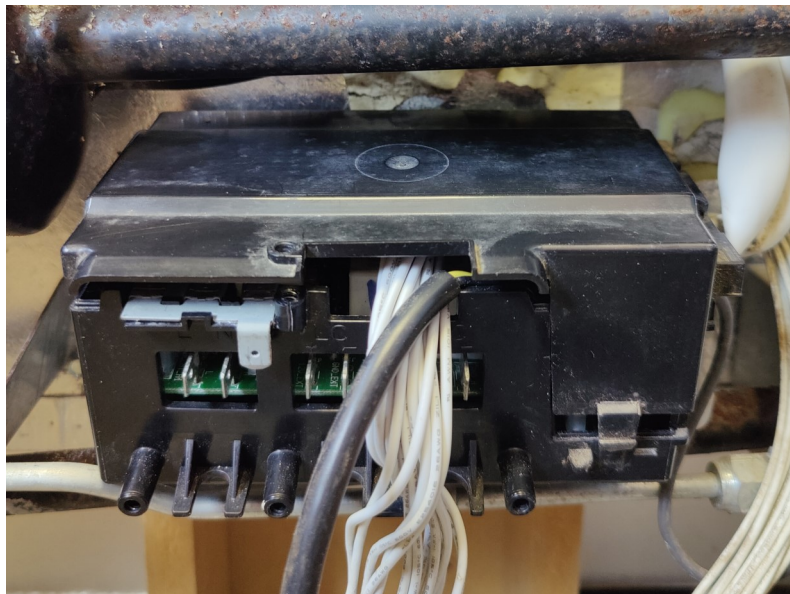


## PLEASE READ THE FITTING INSTRUCTIONS THOROUGHLY PRIOR TO UNDERTAKING THIS INSTALLATION

Where it is advised to channel out, if there is room where the fridge is housed it may not be necessary. If there is enough space the loom can be fitted externally and taped in place.

### 2.2 Fitting Instructions

**Step 1:** Locate the black box at the rear exterior of the fridge. Remove



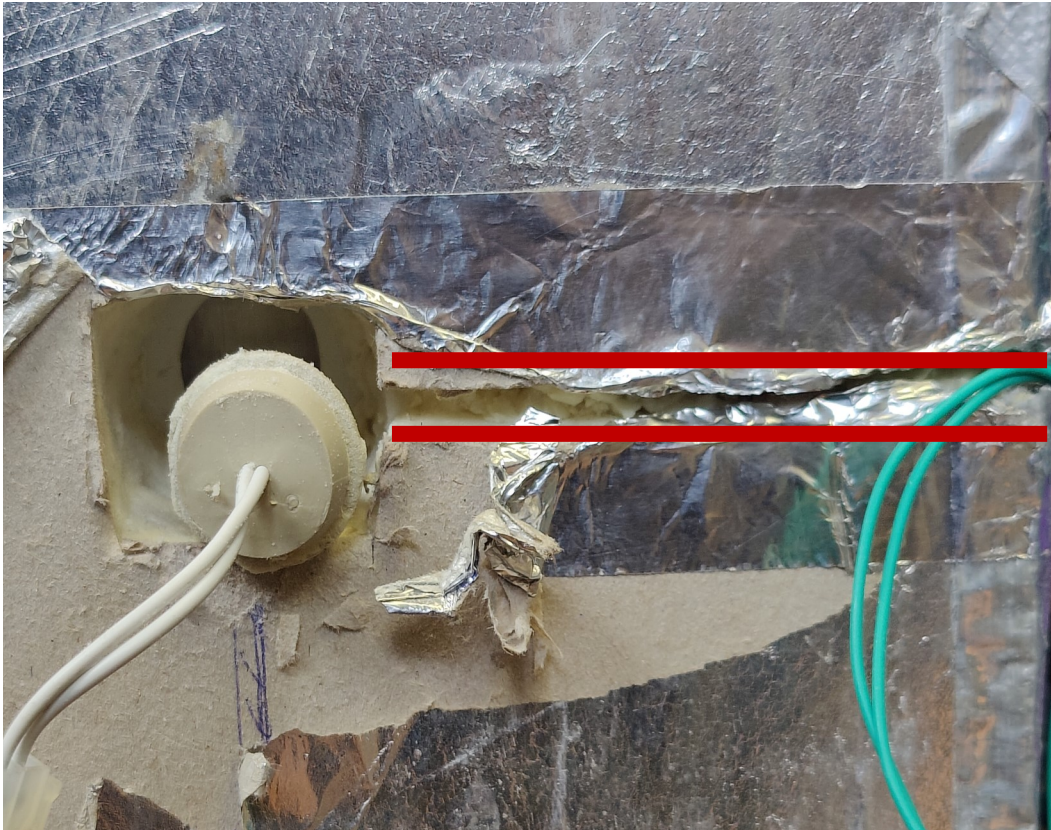
Unplug the 20 way connector and plug connector #1 of the replacement loom in place of the old one.



Refit the black housing cover and reattach the box to the fridge.



**Step 2:** Unplug the temperature sensor connector from the internal right hand side of the fridge. Then at the same height on the exterior, carve a channel from the back of the fridge to the rubber seal of the sensor that has been disconnected.



Feed connector #2 through the hole of the removed seal, plug the connector end in to the internal mating half and tuck fully into the carved channel. Refit the seal and cover the cut-out with foil tape.

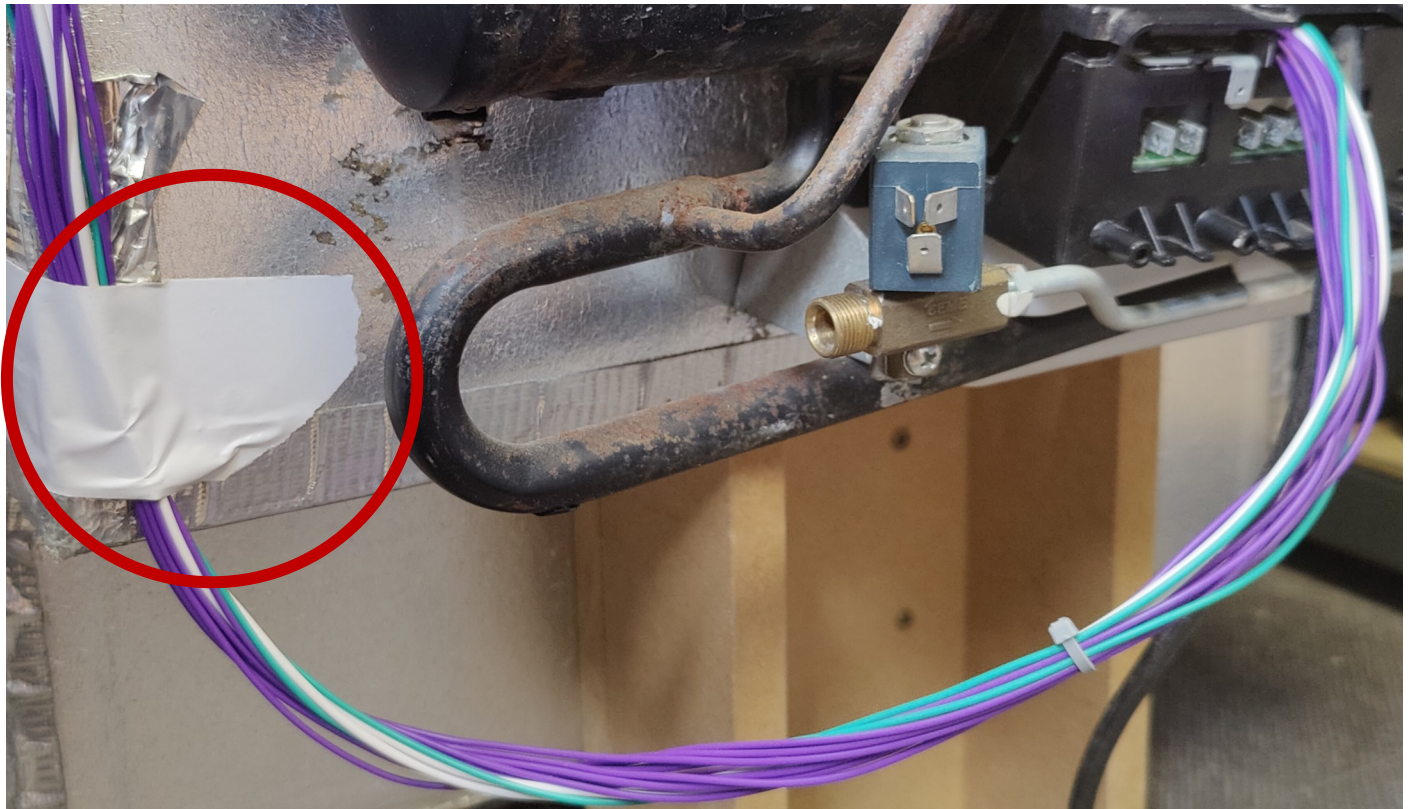
*\*White tape used for visibility in photos*





**Step 3:** Secure the loom at the rear of the fridge at both the bottom and top using foil tape, ensuring the loom does not protrude past the sides of the fridge and remains on the rear surface.

*At any time when routing the loom: avoid gas compression pipes and any components that get hot with as much clearance as possible*





**Step 4:** Remove the light housing cover from the internal side of the fridge. Then remove the bulb and unplug the flag terminals. Carve a hole within the light housing, to create an entry point for the replacement connectors.



Carve a channel vertically from the top of the fridge down to the hole. Attach connectors #4 (Flag x2) to the bulb holder - it does not matter which blade connects to which terminal. Gently pull the wires taut through the hole from the exterior and run them up the channel. Cover up with foil tape ensuring the side of the fridge is flat and flush.

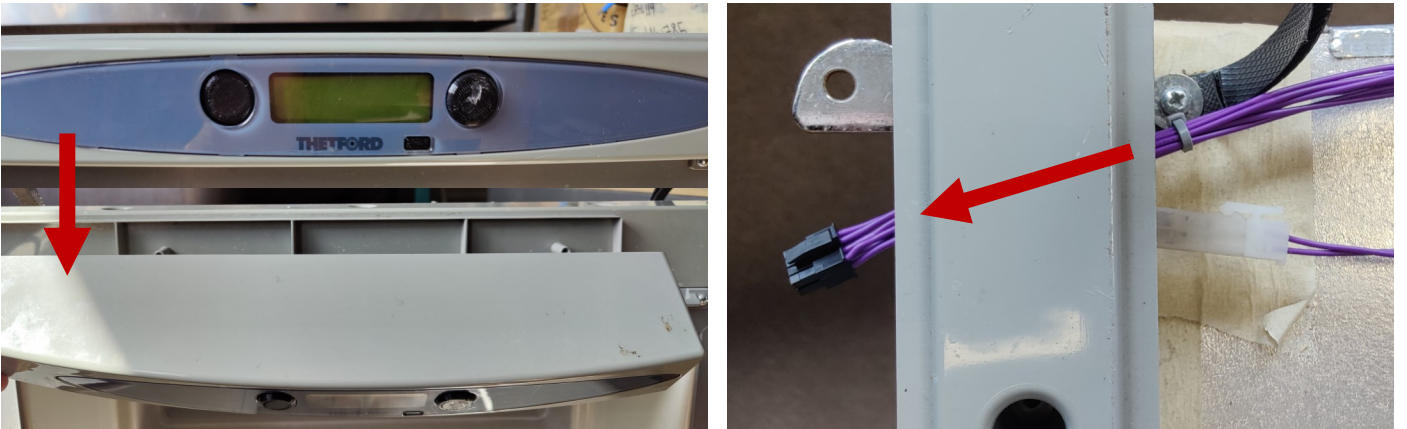




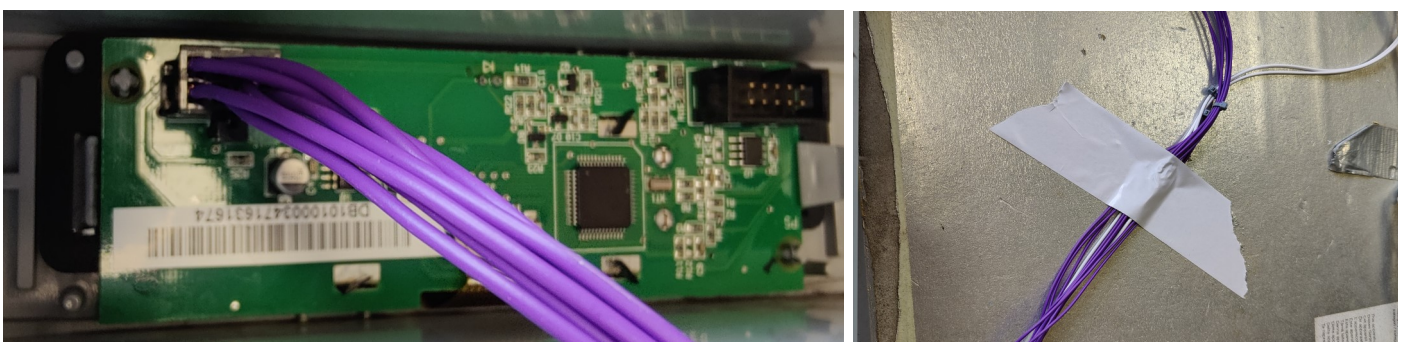
**Step 5:** Inside the plastic housing that holds the fascia at the top front of the fridge, is the door sensor connector. Through the access hole, unplug the existing connector and attach connector #3 in its place.




**Step 6:** Remove the front plastic fascia (control PCB housing) from the fridge to access and unplug the existing 8 way connector. Feed connector #5 through the same access hole as is **Step 5**.



Plug connector #5 into the PCB connector. Reattach the fascia to the top mount ensuring no wires get caught or damaged when being reinstalled. Once all parts are in place, secure any excess wiring to the top of the fridge, ensuring nothing overhangs on the left or right sides.





**Step 7:** Once all previous steps have been followed, ensure that no wires hang over, or stick out the side, and check that all the wires have been secured. Before refitting the fridge, power on, and test it. Once tested, it can be refitted - ensure the replacement loom is tucked in at the sides to avoid damage

*Please contact us if you encounter any issues.*

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