

### Service mode LED

1. To enter service mode, push 3 buttons simultaneously until binary code is visible
2. Then calculate or read in the table which error you see.



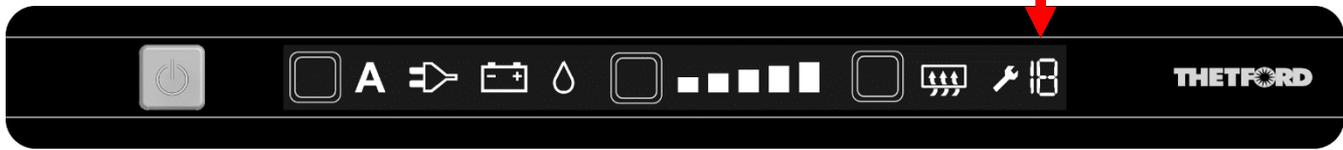
Readout Code - LED Display	Error Code
	No Error Code
	1
	2
	3
	4
	5
	6
	7
	8
	9
	10
	11
	12
	13

!!! Note : When supply voltage 12 VDC (low current voltage) is not available, no error code will be given. When 12 VDC is available the green power LED will be on. If battery pack is empty you can see a red light !!!



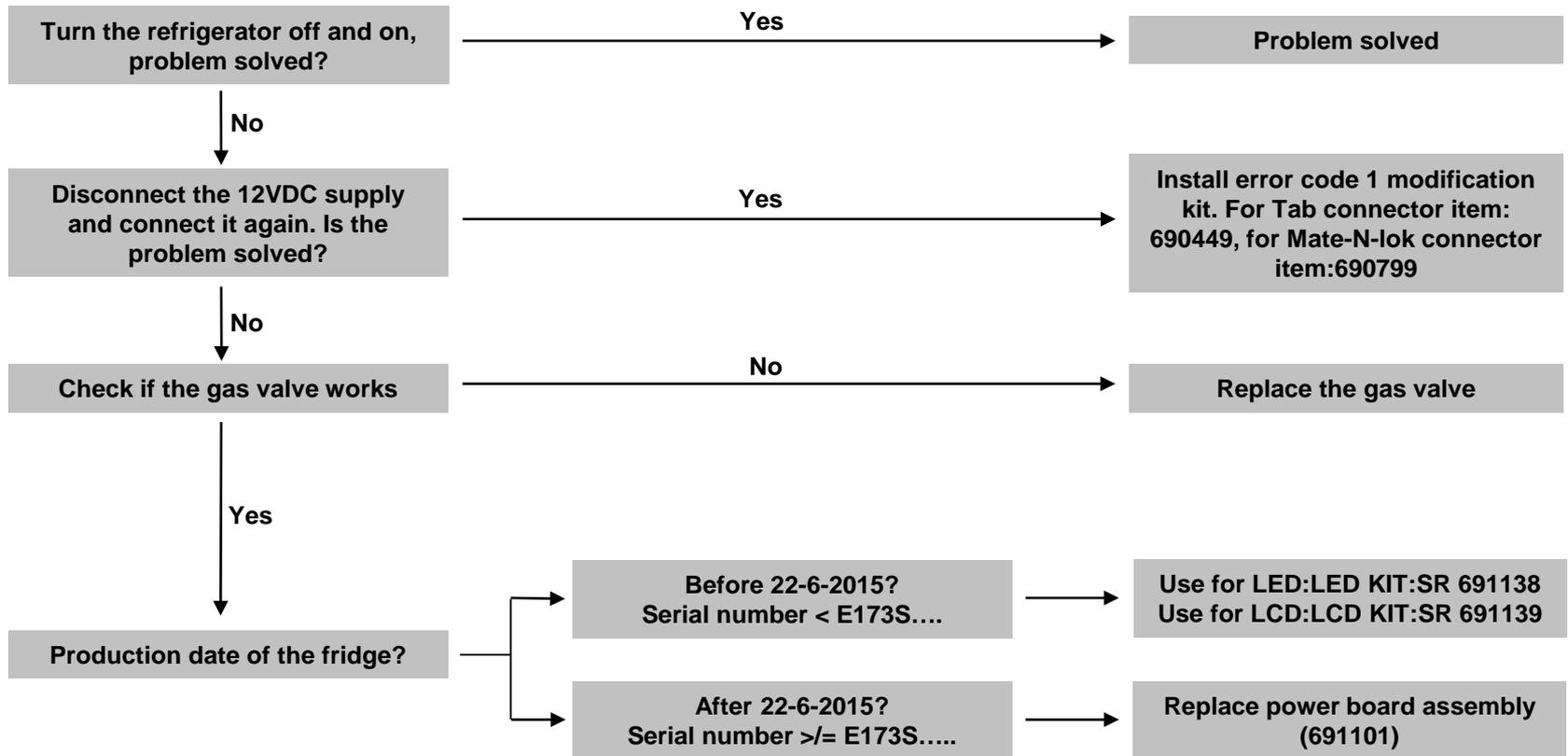
# Service mode LCD

The error code will appear in the display over here.

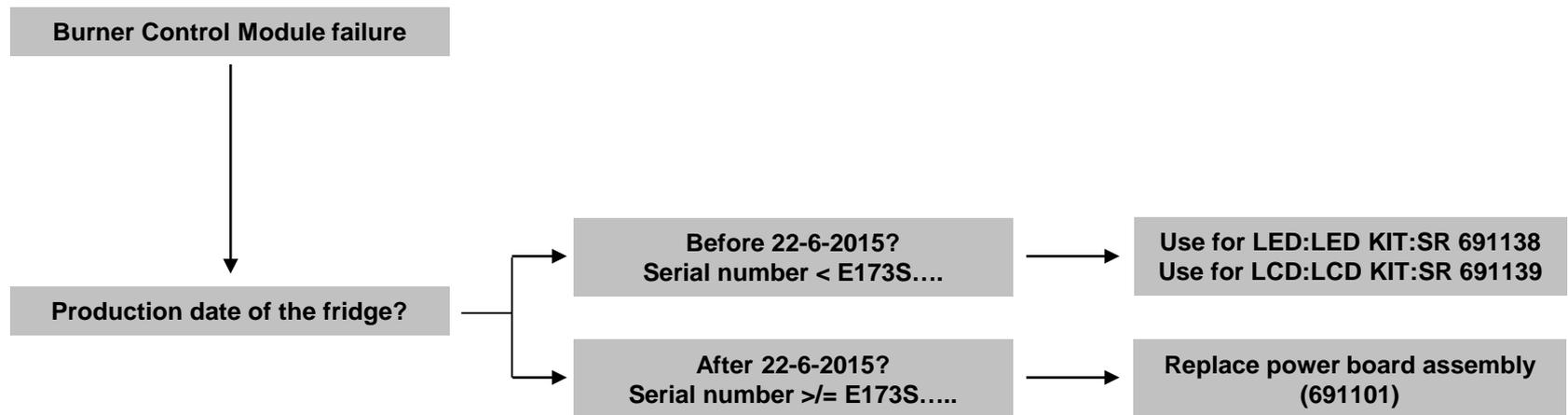


!!! Note : When supply voltage 12 VDC (low current voltage) is not available, no error code will be given. When 12 VDC is available the green power LED will be on !!!

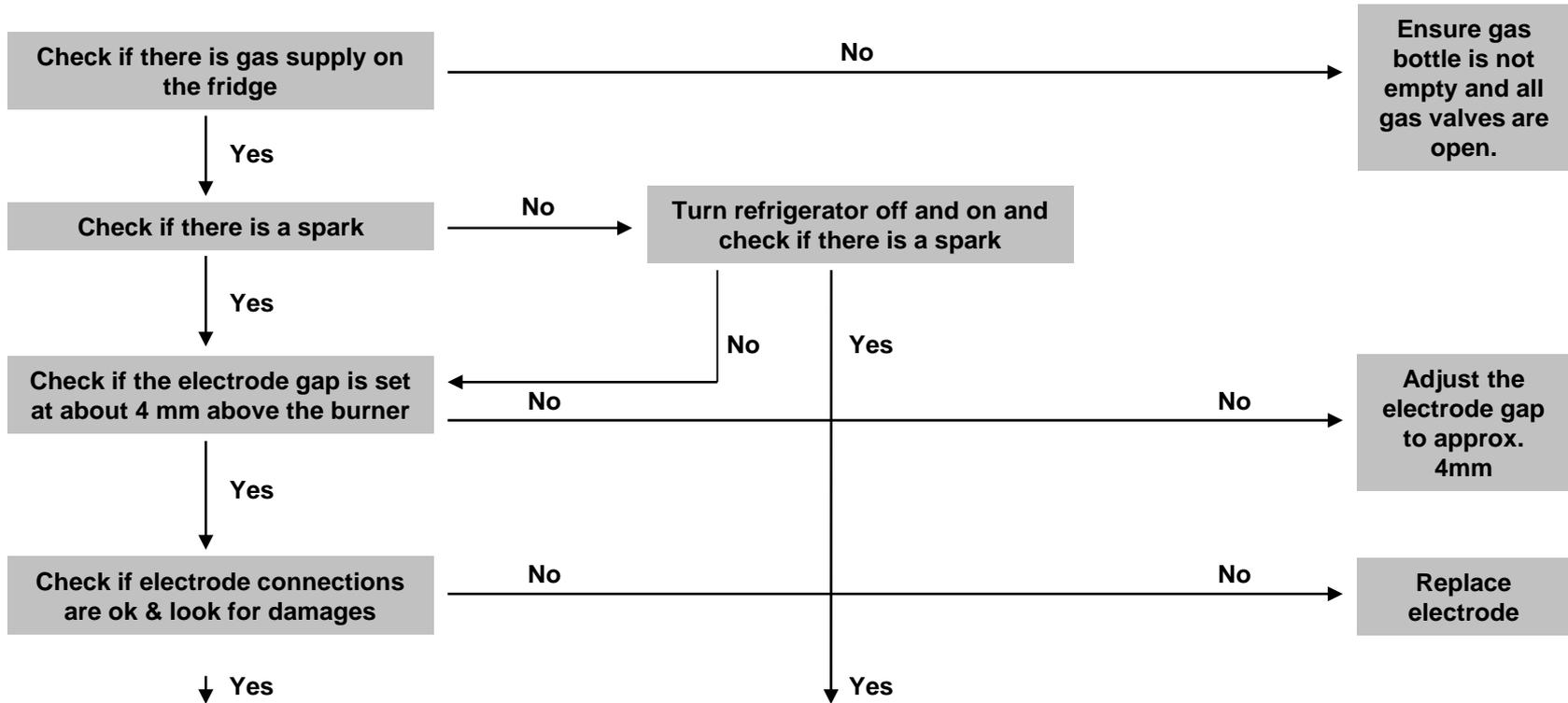
## Error code 1: Senses flame when gas should be off



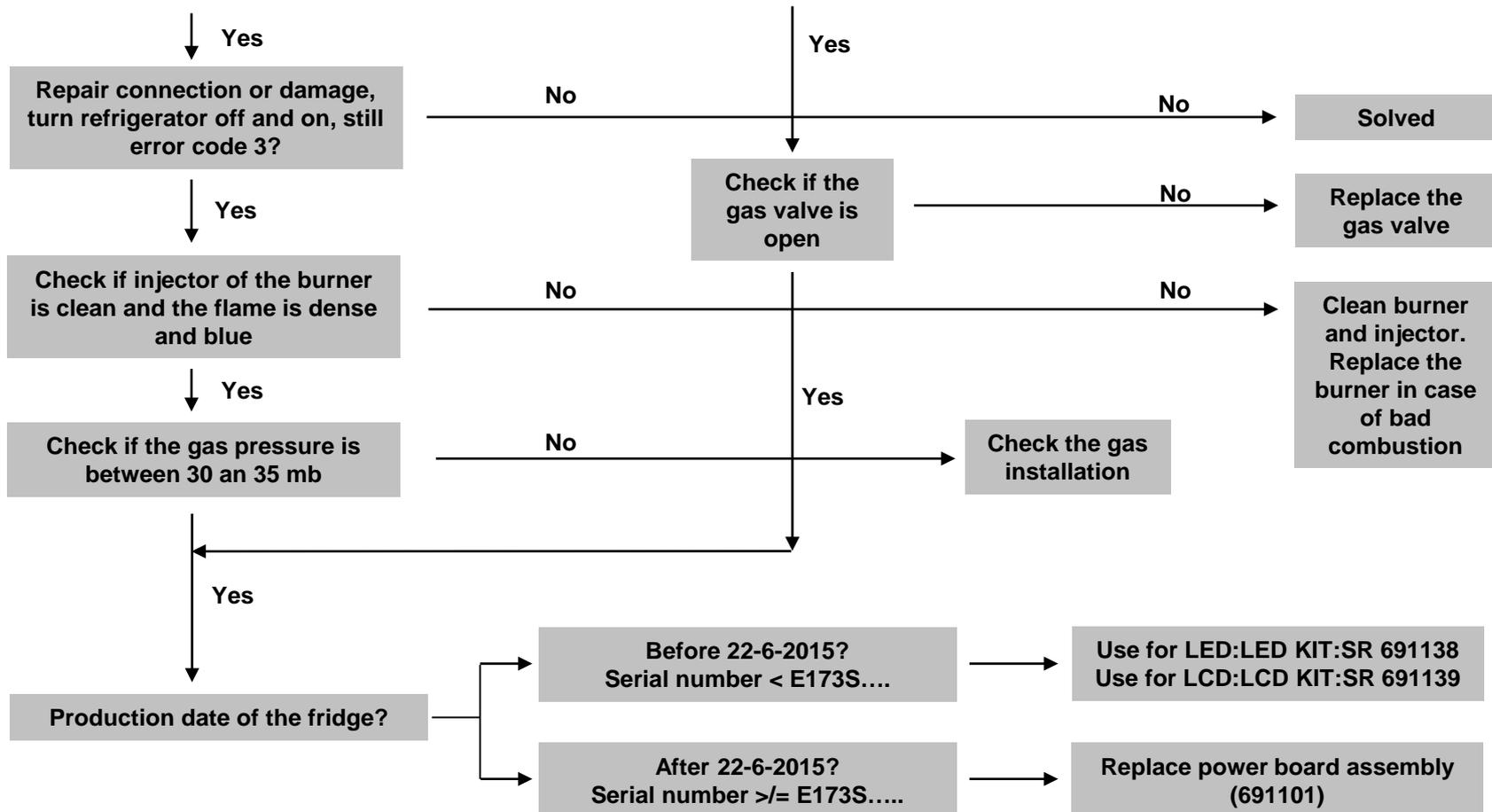
## Error code 2: Burner control module returns incorrect feedback.



### Error code 3: Gas lockout because flame fails to ignite within 30 sec.

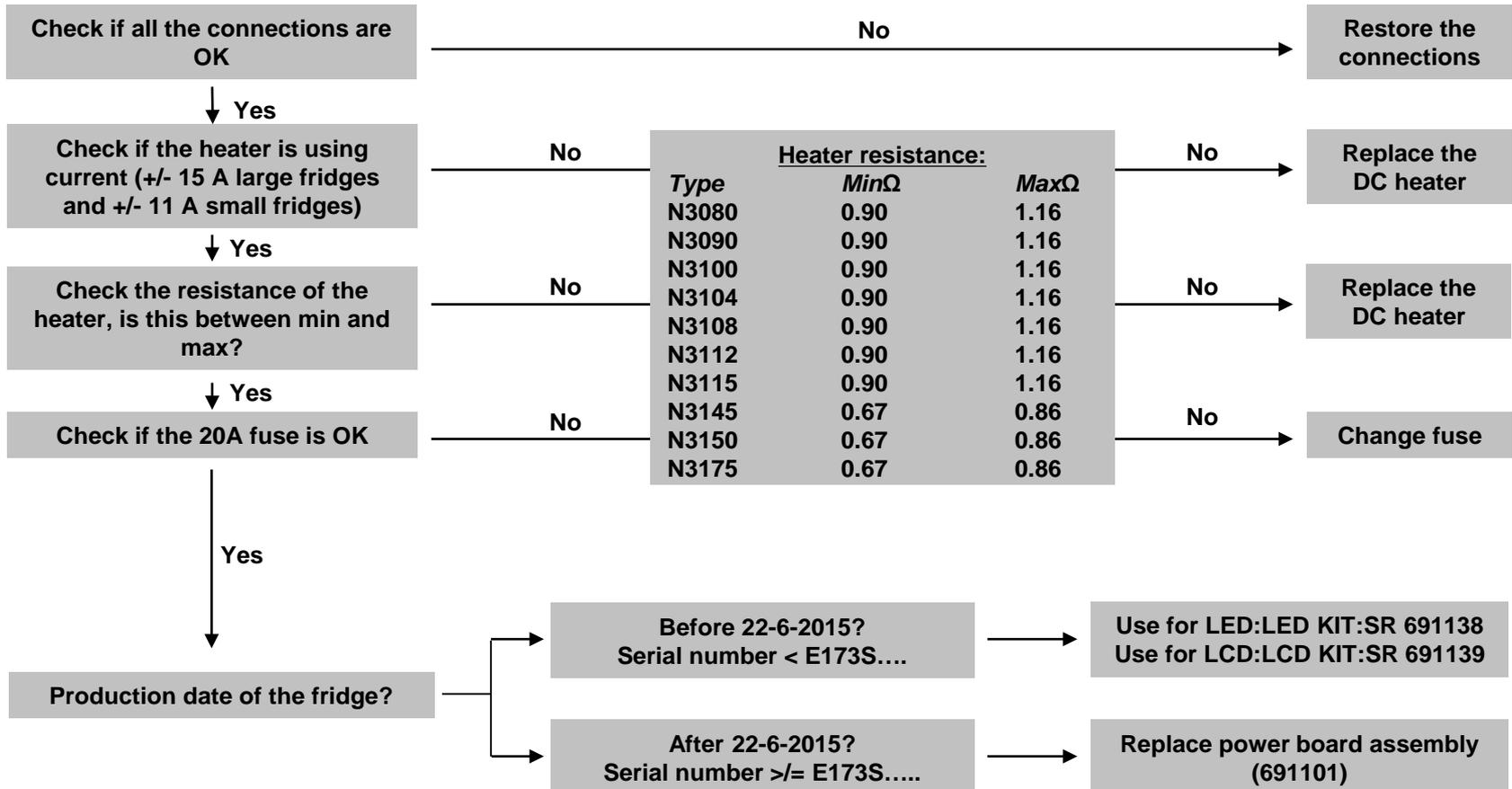


### Error code 3: Gas lockout because flame fails to ignite within 30 sec.



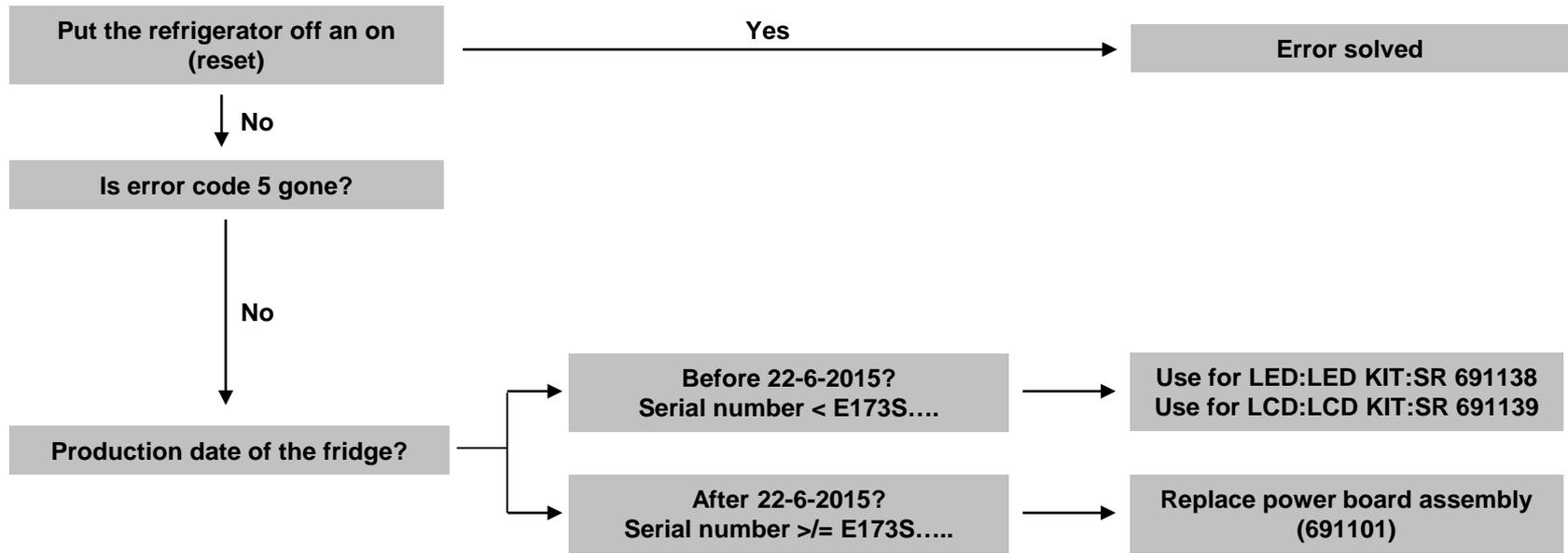
## Error code 4: DC heater is off when it should be on

!!! Note: put fridge off when measuring the impedance off the heater !!!



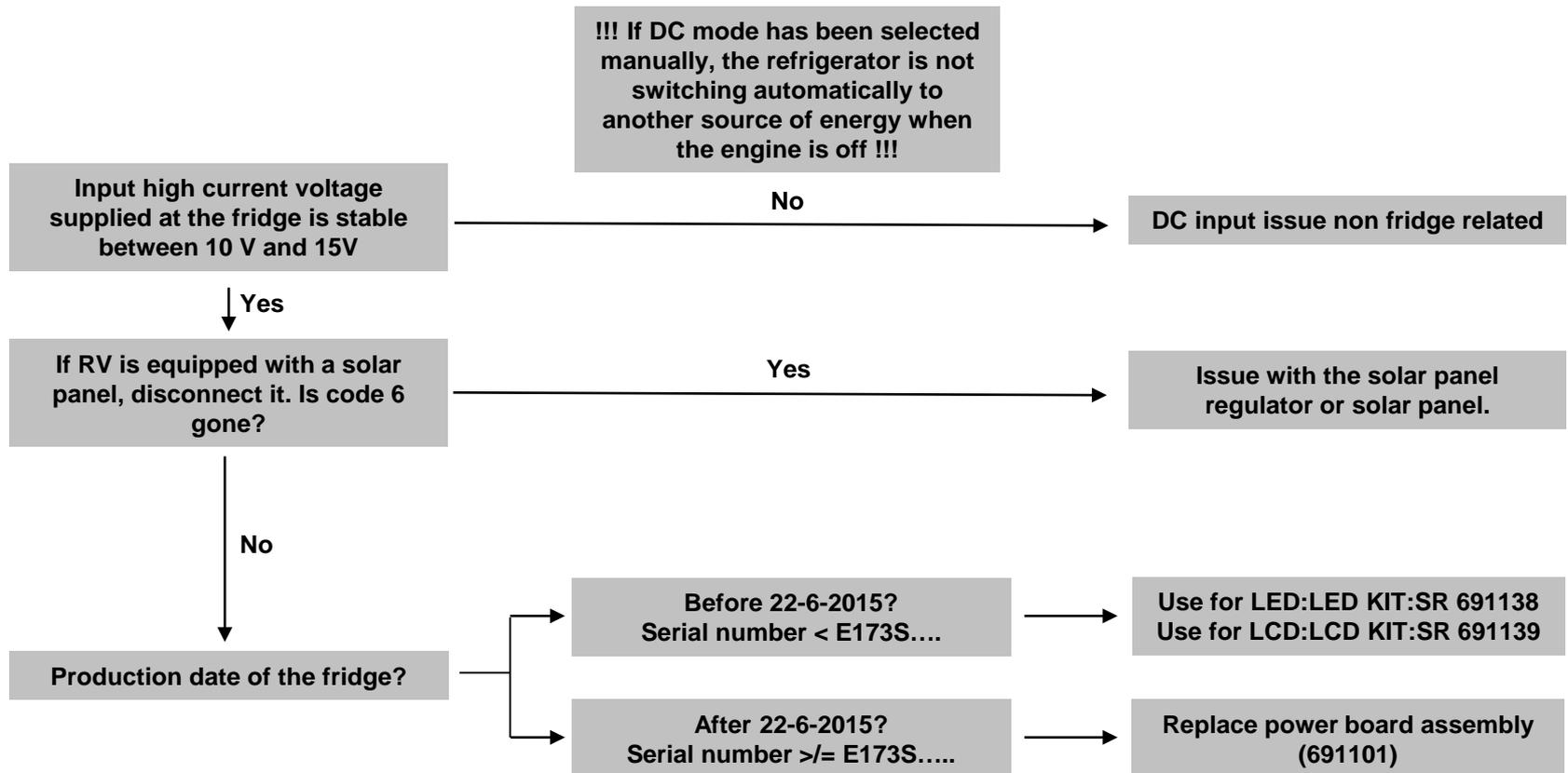


# Error code 5: DC heater is ON when it should be OFF.



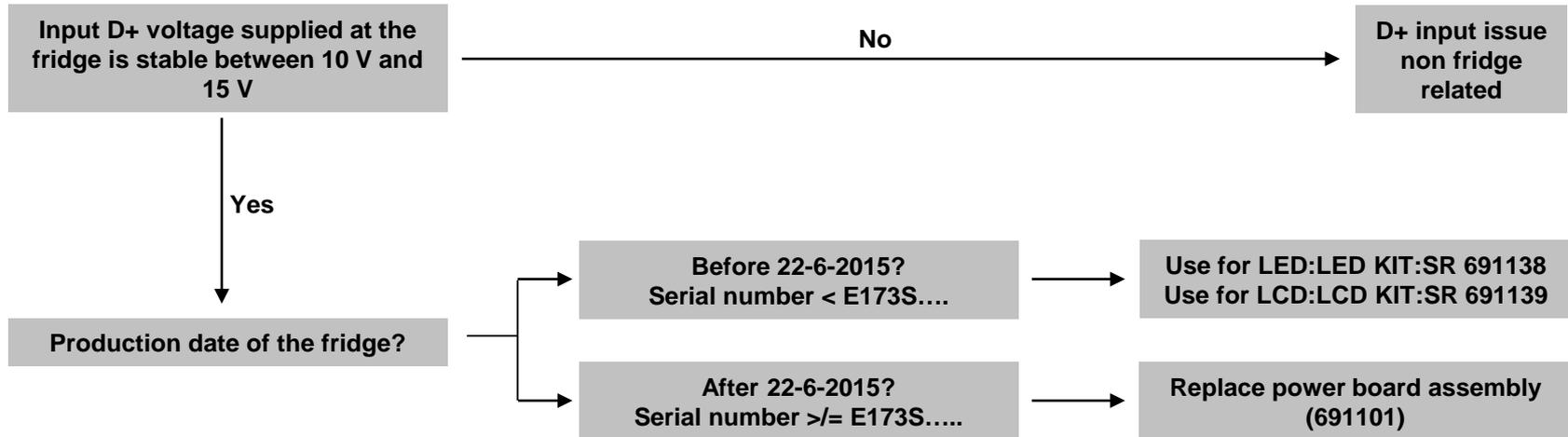
## Error code 6: DC high voltage is out of range (lower than 10 V or higher than 15 V)

!!! If DC mode has been selected manually, the refrigerator is not switching automatically to another source of energy when the engine is off !!!



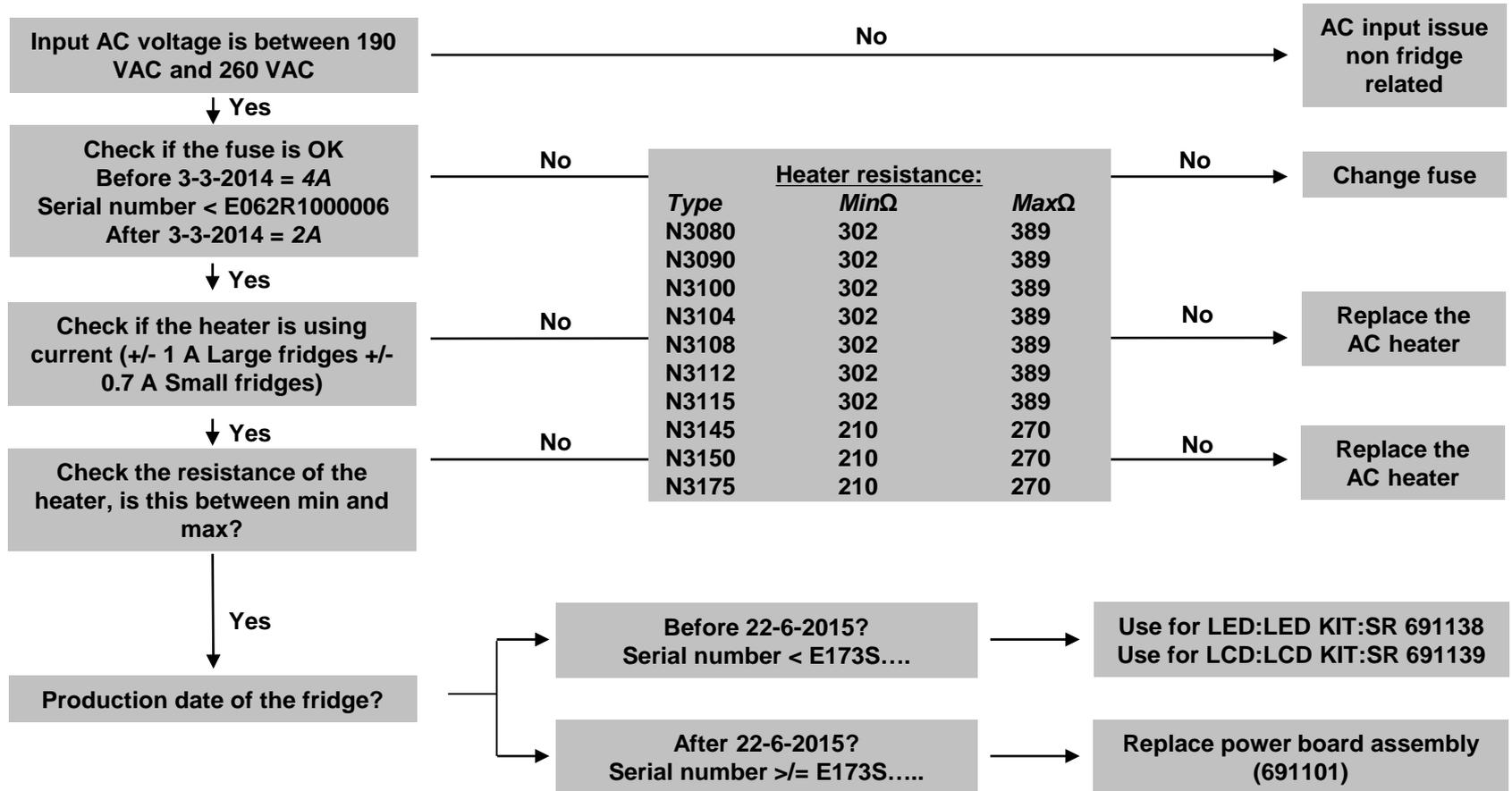
### Error code 7: No “engine run” signal is present and control is in Manual DC mode.

**!!! To know if D+ polarity is good, select manually DC mode and engine off. If no error code occurs, that means that the D+ input is reversed. Ensure power supply is capable to supply correct amperage !!!**

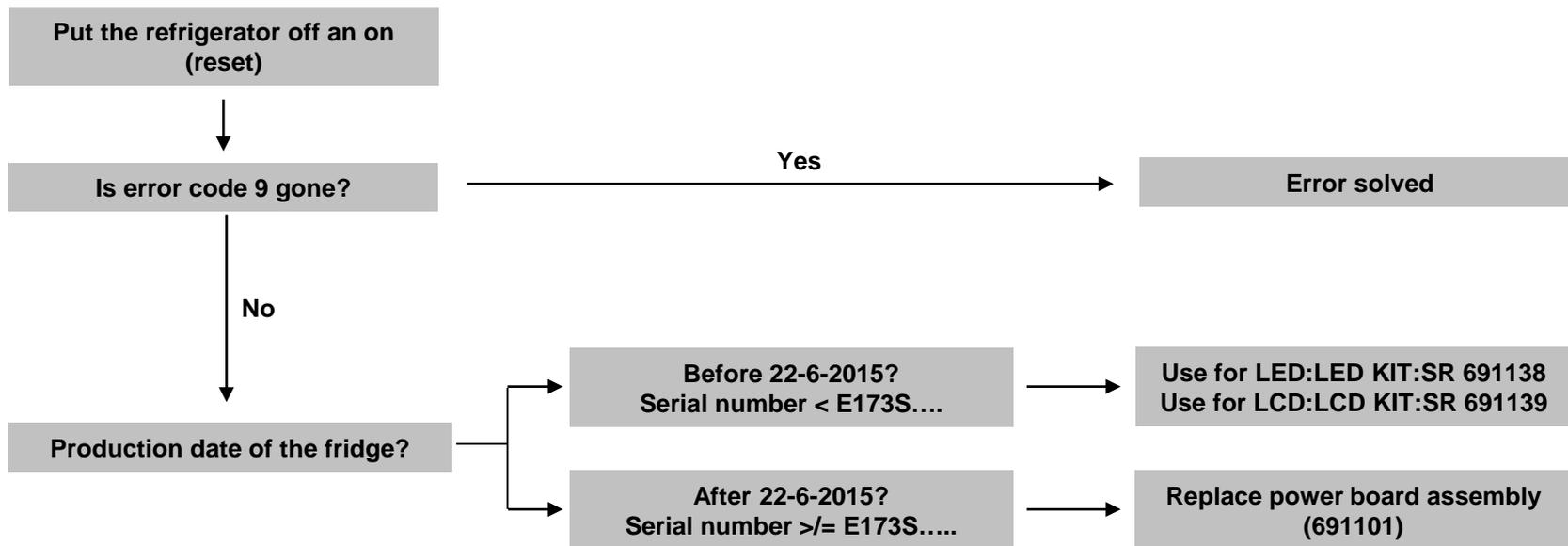


### Error code 8: AC heater current is measured to be 75% below nominal current.

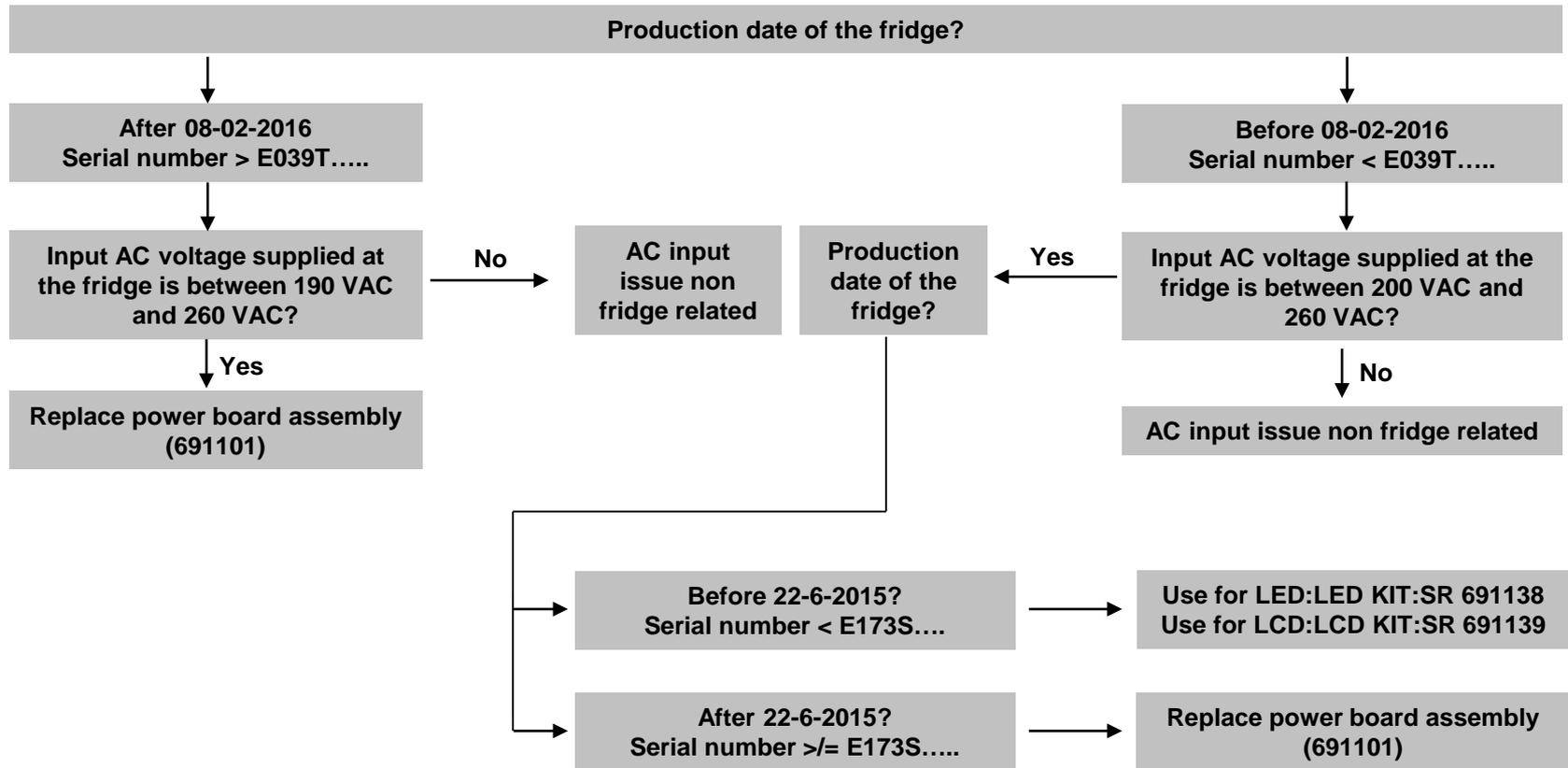
**!!!Note: put fridge off when measuring resistance off the heater!!!**



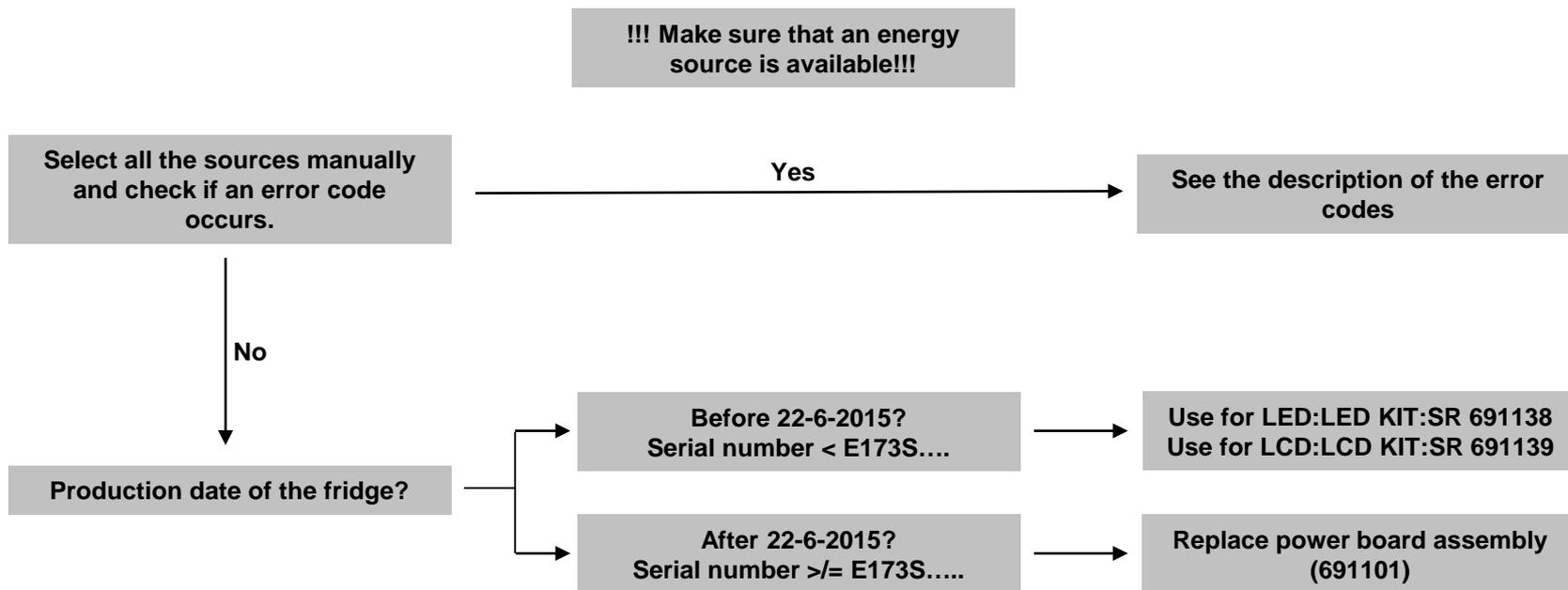
## Error code 9: AC heater is ON when it should be OFF



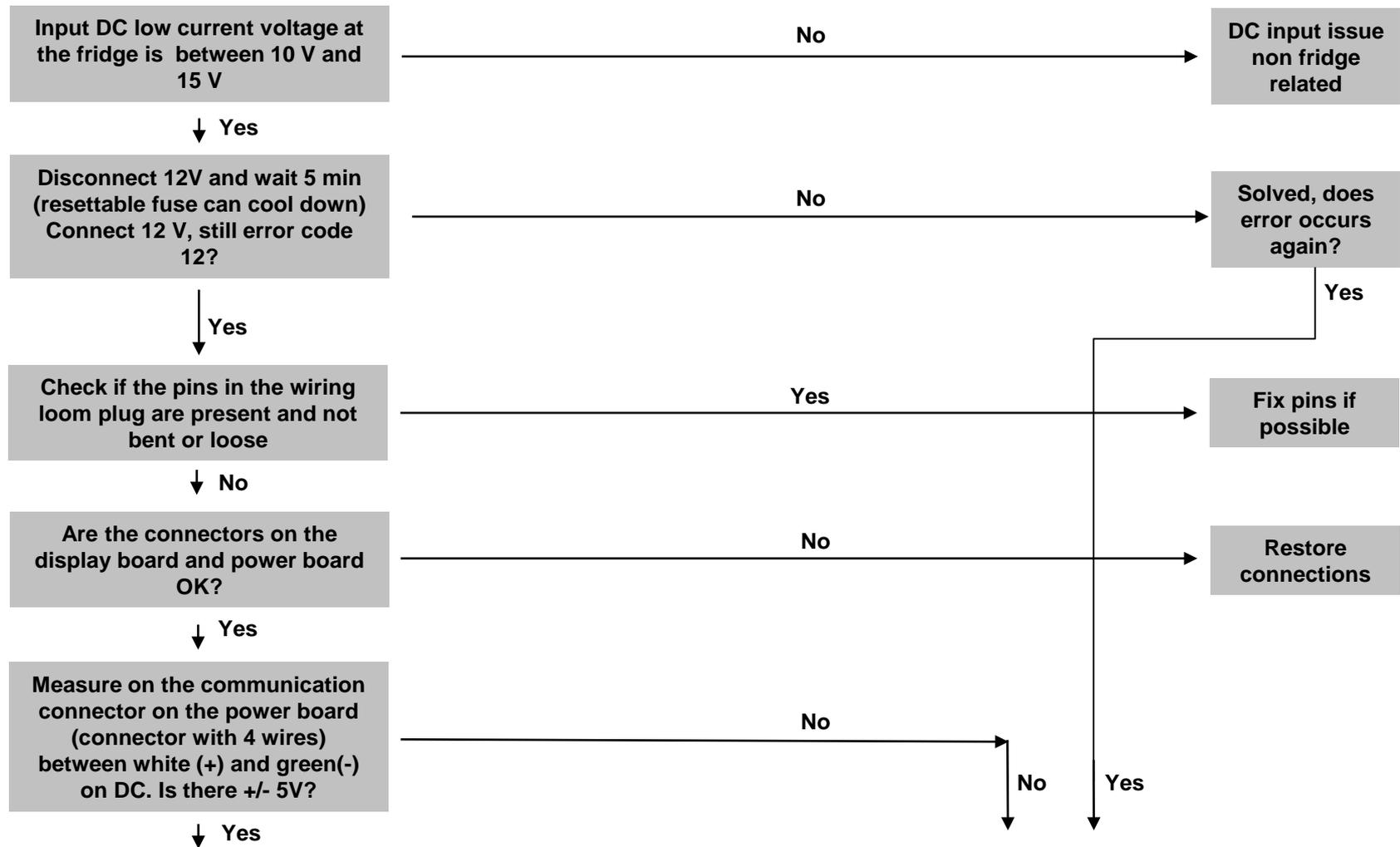
## Error code 10: AC mains supply is out of range



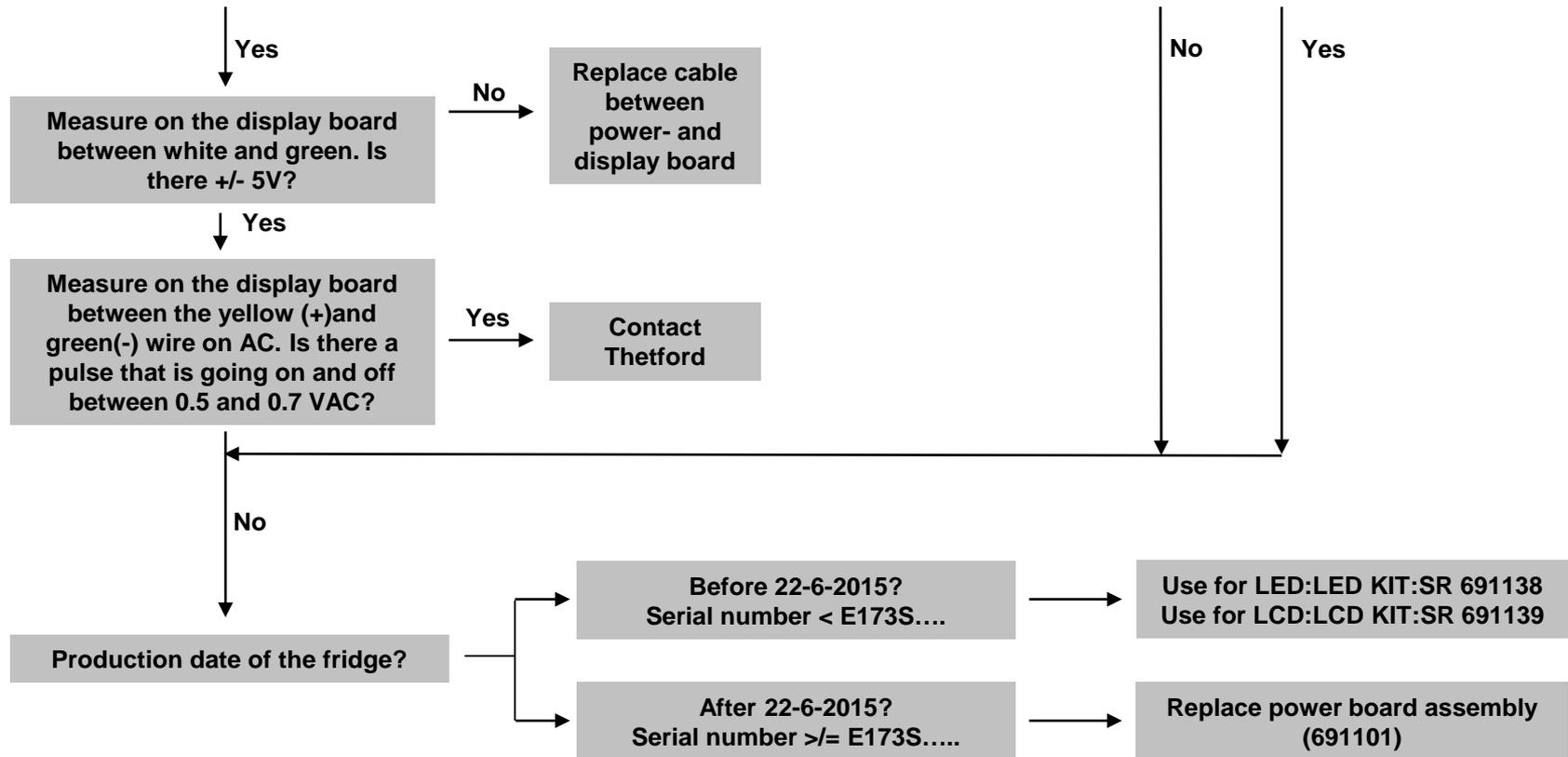
### Error code 11: No energy source is available and control is in AUTO mode



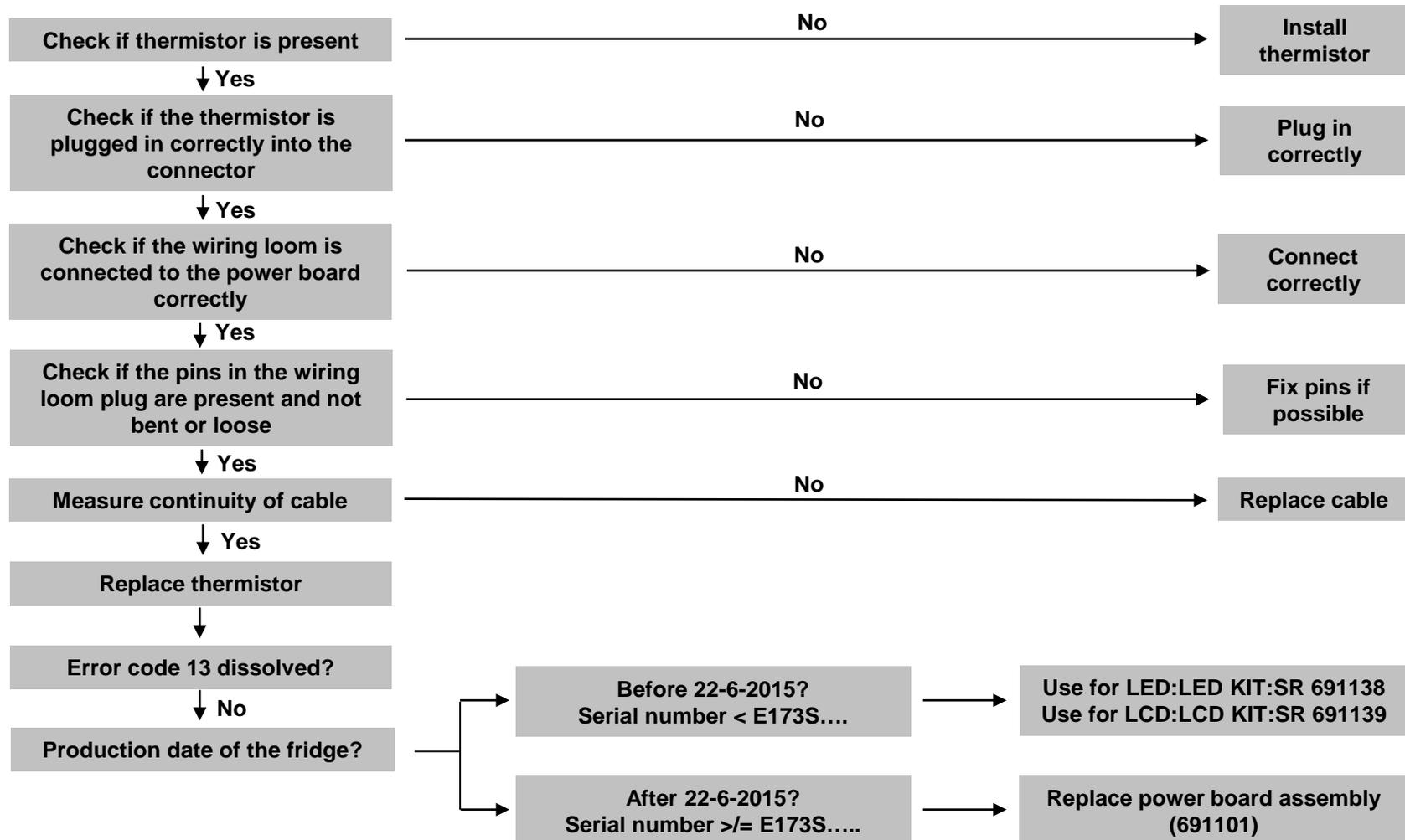
### Error code 12: Display board and power board lose communication with each other.



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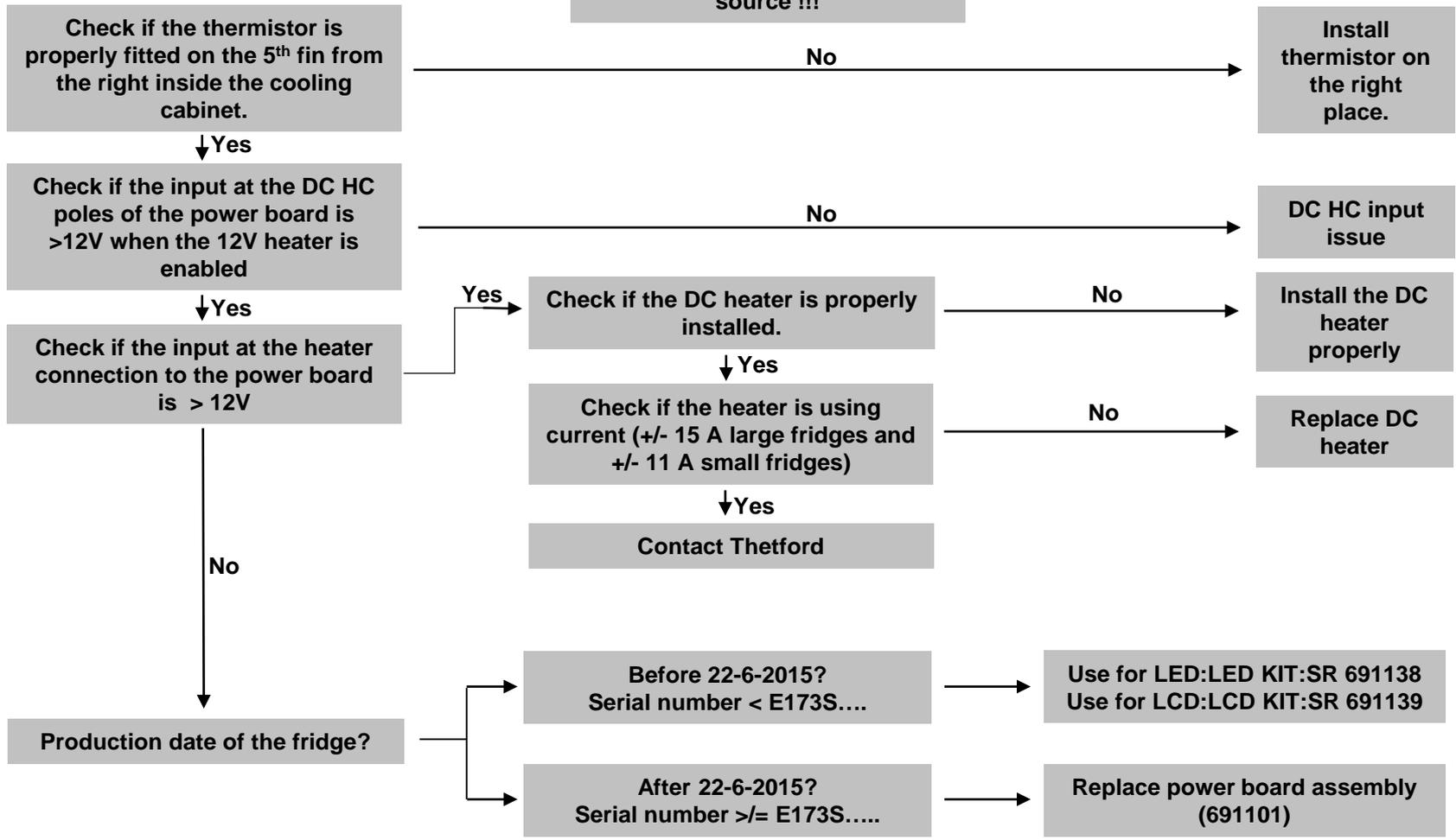


## Error code 13: Thermistor fails; control automatically switches to Backup Operation System



## Inadequate performance on 12 VDC source and no error code.

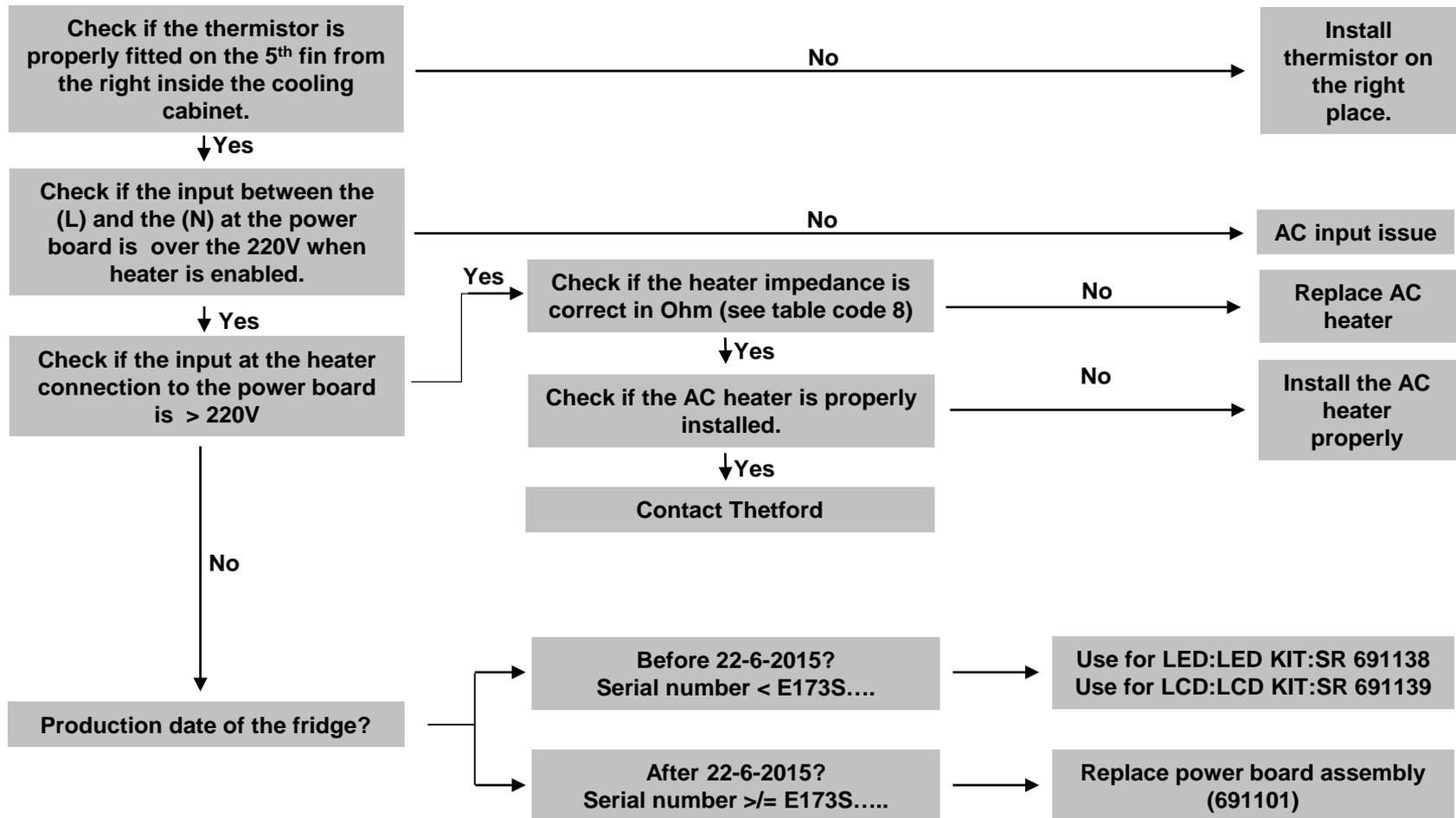
**!!! Do the testing of the fridges on the manual mode of this source !!!**



Troubleshooting

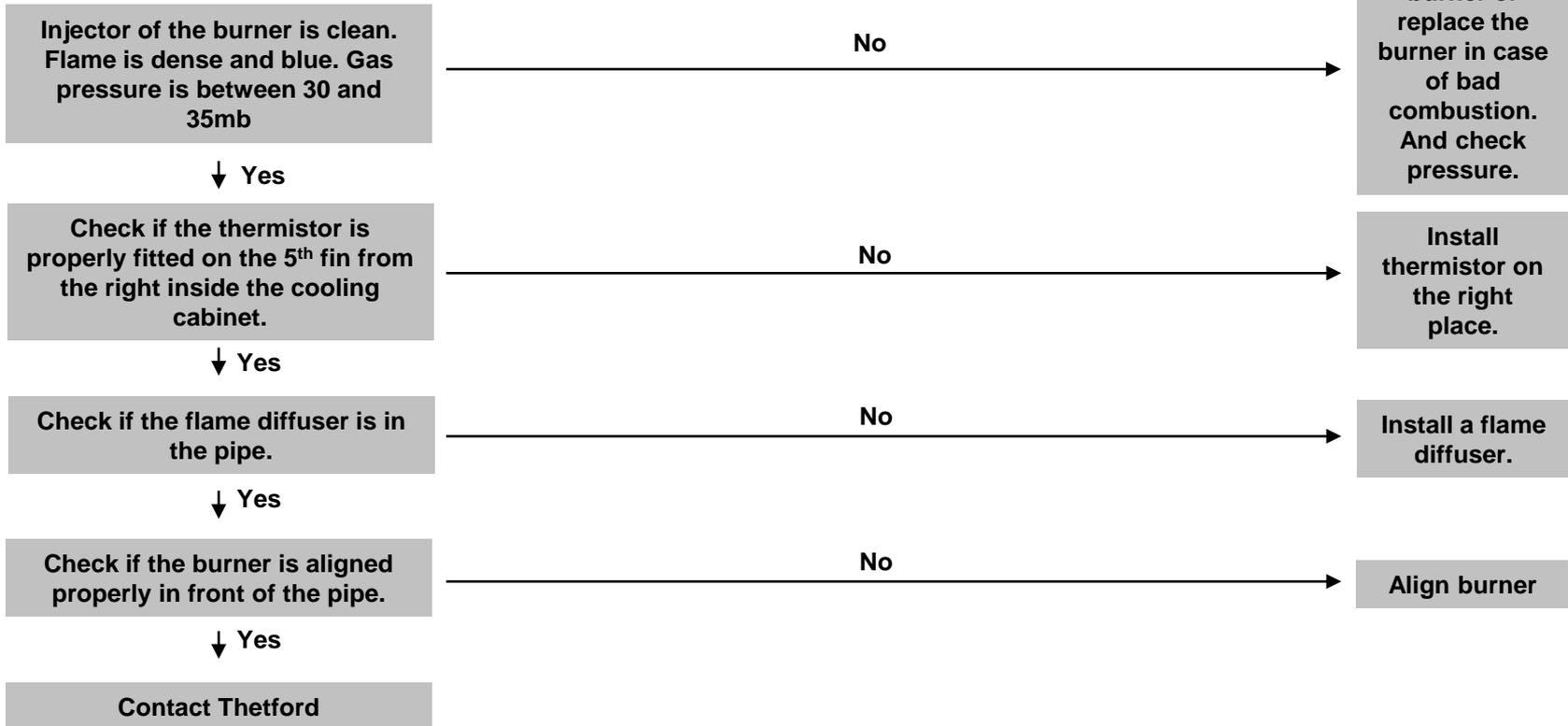
## Inadequate performance on 230 V source and no error code.

**!!! Do the testing of the fridges on the manual mode of this source !!!**



### Inadequate performance on gas source and no error code.

**!!! Do the testing of the fridges on the manual mode of this source !!!**



## Appendix: Wiring diagram

