Service Information

Cabinet
ARC 8110

8501 811 01000
Last Modification: 06/07/08
Creation Date: 06/07/08

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This document is only intended for qualified technicans who are aware of the respective safety regulations.
Subject to modifications

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Spare Part List

Pos	12NC	Description
011 0	**4812 462 18246**	Foot
011 1	**4812 462 18185**	Small plate
011 2	**4812 528 78071**	Roller
011 3	**4812 535 48009**	Shaft
021 0	**4812 532 88054**	Cover screw multiflow
030 0	**4812 462 28578**	Cover
030 1	**4812 321 78187**	Cable harness
040 0	**4812 417 19138**	Hinge upper
040 1	**4812 462 28054**	Cover hinge
040 2	**4812 417 78021**	Shim hinge
041 0	**4812 417 78125**	Hinge middle
041 1	**4812 535 38108**	Shim
041 2	**4812 417 78022**	Shim
041 3	**4812 417 18854**	Hinge lower
084 6	**4812 380 28031**	Damper
084 7	**4812 380 28032**	Damper
101 0	**4812 416 19356**	Door freezer white colour
104 0	**4812 416 19357**	Door refriger. white colour
105 0	**4812 532 88011**	Bushing
105 1	**4812 532 88012**	Stopper
105 3	**4812 462 28181**	Bushing white
105 4	**4812 462 28179**	Bushing; right,white
105 5	**4812 532 88053**	Bushing kit-left side,white color
111 0	**4812 498 18275**	Handle
111 1	**4812 468 18304**	Cover handle
111 2	**4812 498 18225**	Insert handle/right
111 3	**4812 498 18226**	Insert handle/left
111 7	**4812 459 18238**	Nameplate
153 0	**4812 462 28534**	Door dairy
153 1	**4812 462 28532**	Separator
154 0	**4812 460 88279**	Holder, eggs
154 1	**4812 462 28529**	Door dairy
154 2	**4812 462 28571**	Door dairy bottles
156 0	**4812 418 48502**	Icecube tray
191 0	**4812 468 18307**	Gasket door refrigerator
191 1	**4812 468 18308**	Gasket door freezer
232 0	**4812 418 28659**	Container
232 1	**4812 535 98104**	Insulation Evaporator
232 2	**4812 535 98105**	Insulation
232 3	**4812 535 98106**	Insulation Evaporator
232 5	**4812 535 98107**	Insulation
242 0	**4812 418 28667**	Drawer large
242 1	**4812 418 28668**	Front drawer
242 2	**4812 418 28669**	Drawer small
242 3	**4812 418 38115**	Crisper
242 4	**4812 418 28671**	Front Drawer
244 0	**4812 418 28661**	Cover crisper
244 1	**4812 418 28662**	Bottom crisper
244 2	**4812 418 79973**	Grid
244 3	**4812 418 79974**	Grid lower freezer

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Pos	12NC	Description
244 4	**4812 418 18482**	Tray drip
252 5	**4812 453 88047**	Insert
252 6	**4812 466 99043**	Damper Gasket
252 7	**4812 466 99044**	Gasket
255 0	**4812 458 38103**	Shelf glass
255 1	**4812 418 48701**	Shelf
255 2	**4812 462 18268**	Cover cold room
255 3	**4812 462 28575**	Cover
256 0	**4812 460 48883**	Support Air clean filt.
256 1	**4812 490 38001**	Air clean filt.
261 0	**4812 520 88113**	Rail freezer drawer, right
261 1	**4812 520 88114**	Rail left
301 0	**4812 464 69044**	Control panel
301 1	**4812 453 72372**	Insert
301 2	**4812 404 18441**	Support Damper
304 0	**4812 468 18309**	Cover
320 0	**4812 462 28416**	Plinth /WH
331 0	**4812 412 38013**	Knob
402 0	**4812 361 38097**	Compressor EGY 100 HLC 220-240V/50Hz
402 1	**4812 404 38723**	Support
402 2	**4812 466 99005**	Base compressor
402 3	**4812 400 18068**	Cover difuser multiflow
402 4	**4812 418 18319**	Tray
402 5	**4812 480 28089**	Air guide
420 0	**4812 121 08241**	Capacitor
440 0	**4812 515 48061**	Fan
443 0	**4812 361 18429**	Motor fan 220-240V -7W 2750RPM
443 1	**4812 515 18018**	Support Motor
451 0	**4812 259 48163**	Element defrost upper 220V-102W
451 1	**4812 259 48164**	Element defrost lower 220V-228W
483 0	**4812 462 28576**	Cover
483 1	**4812 404 48901**	Support
483 2	**4812 009 28002**	Connectionblock
522 0	**4812 453 88048**	Insulation
526 0	**4812 217 78166**	Control unit 220-240V/50-60Hz
566 0	**4812 282 48279**	Thermostat Bimetal
651 0	**4812 134 88061**	Lamp 220V-15W
652 0	**4812 134 88062**	Protector Lamp
691 0	**4812 282 68038**	Sensor temper. refrigerator & freezer
740 0	**4812 511 48373**	Condenser
740 1	**4812 462 28394**	Holder Condenser
740 2	**4812 404 18112**	Clip Condenserr
743 0	**4812 321 78188**	Cable clamp
743 1	**4812 321 78189**	Cable clamp
745 0	**4812 511 38259**	Evaporator
745 1	**4812 462 28577**	Cover evaporator
764 0	**4819 526 48527**	Dryer DRS15 With 3 ways valve
904 0	**4812 462 28579**	Damper fan motor
904 1	**4812 462 28581**	Cover fan motor
904 2	**4812 535 78042**	Clip

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Pos	12NC	Description
904 3	**4812 442 29065**	Cover white
904 4	**4812 460 48886**	Cover
904 5	**4812 404 48671**	Support shelf
904 6	**4812 442 29256**	Cover white colour

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Technical Data

Dimensions + Weight

Product dimensions
- Height ..... 185.0 cm
- Width ..... 70.0 cm
- Depth ..... 72.0 cm

Capacity

Total
- Gross ..... 410 l
- net ..... 368 l

Cooling
- Gross ..... 263 l
- net ..... 257 l

Freezing
- Gross ..... 147 l
- net ..... 111 l

Electrical base data

Voltage ..... 220 V - 240 V
Frequency ..... 50 Hz

Power Consumption

in 24 hours ..... 1.56 kWh

Freezing capacity

in 24 hours ..... 8 kg

Compressor

Type ..... EGY 100 HLC
Capacity(CECOMAF) ..... 242 W
Freezing
- Type ..... EGY 100 HLC
- Capacity(CECOMAF) ..... 242 W

Refrigerant

Type ..... R 134 a
Quantity ..... 200 g
Freezing
- Type ..... R 134 a
- Quantity ..... 200 g

Thermostat

Type
- Electronic

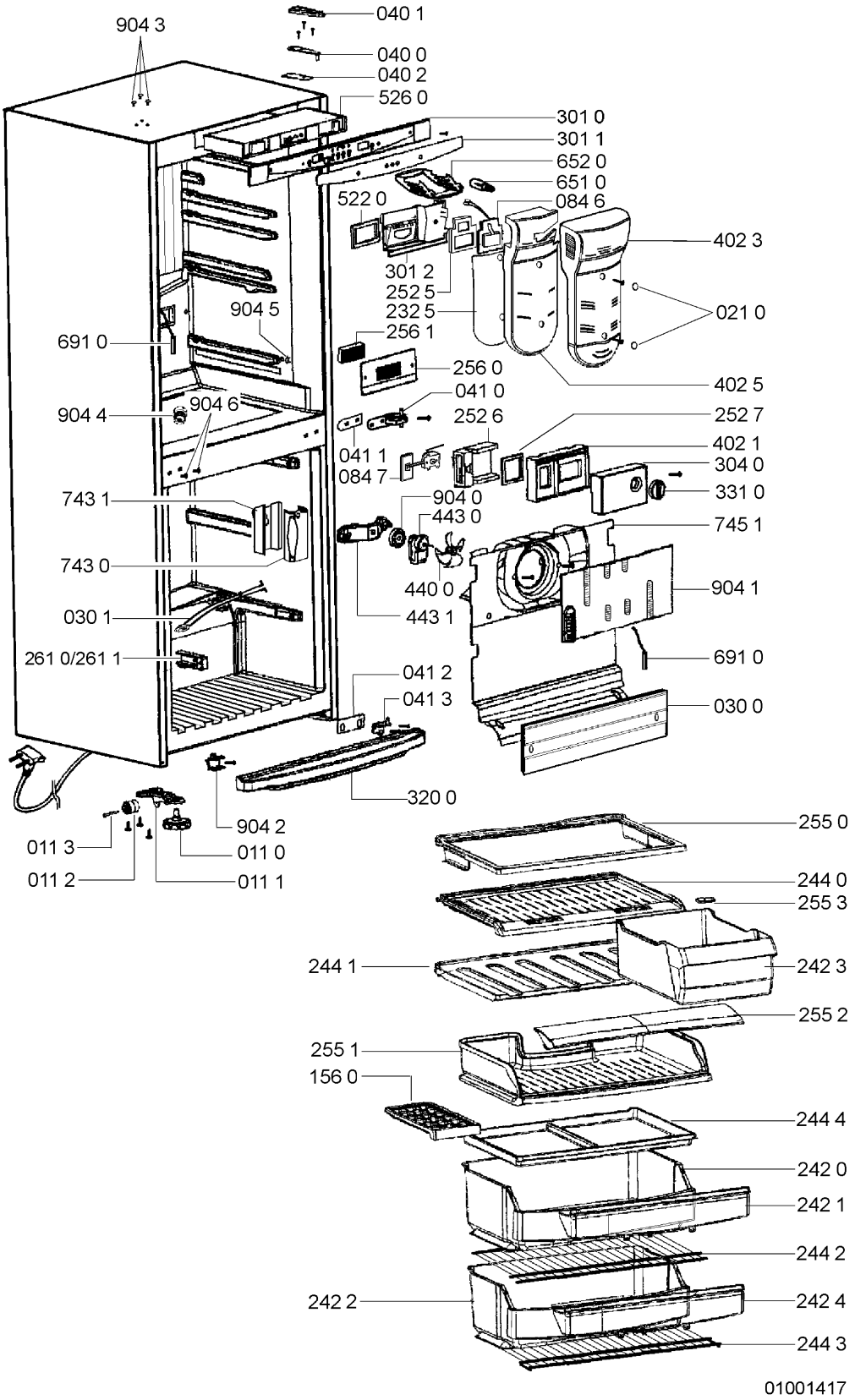
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Thermostat switching value

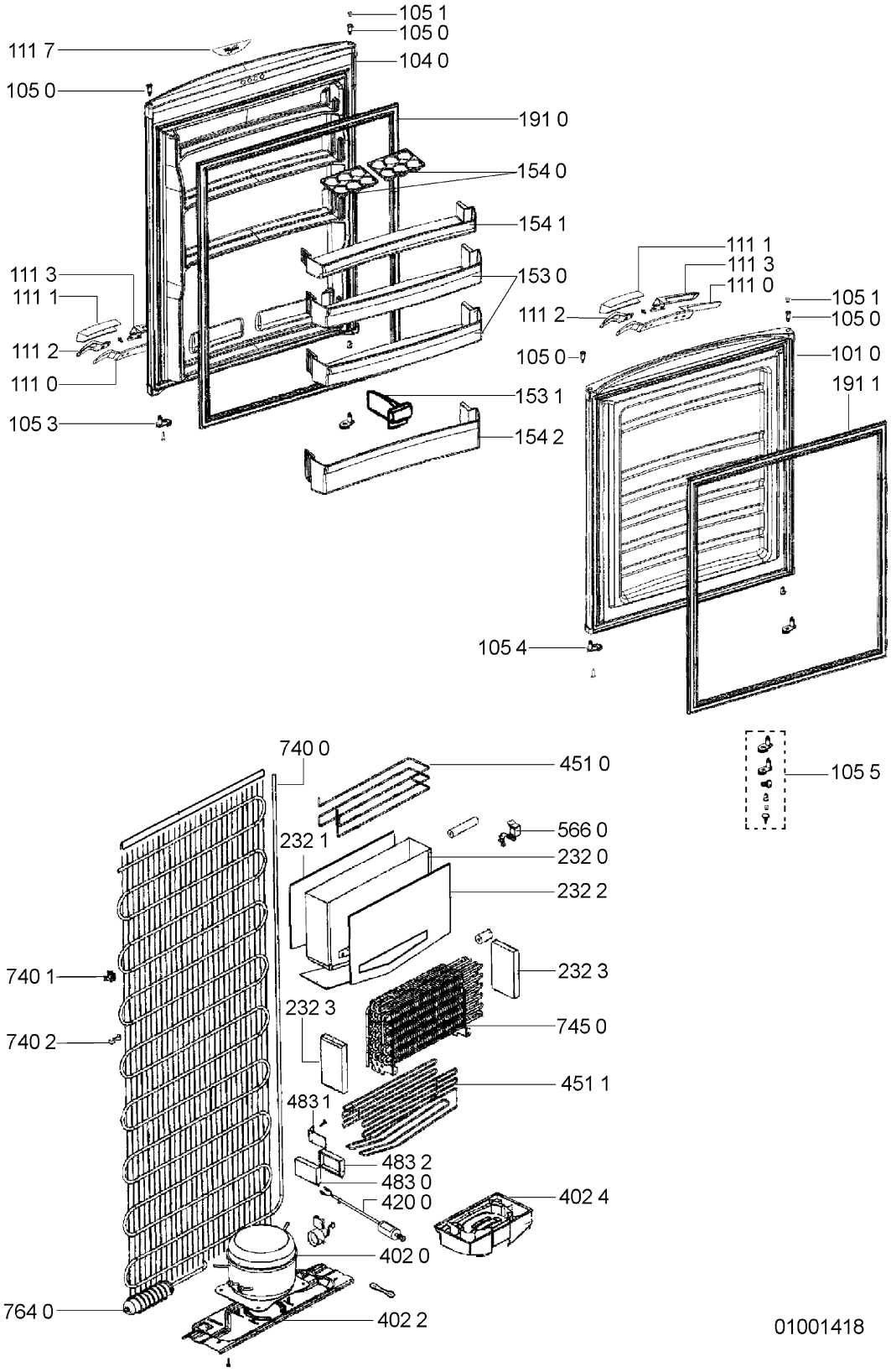
Cooling
- Switch on temperature
  - MIN ..... + 1.0 °C
  - MED ..... + 4.0 °C
  - MAX ..... + 8.0 °C
- Switch off temperature
  - MIN ..... + 0 °C
  - MED ..... + 3.0 °C
  - MAX ..... + 7.0 °C
- MIN
  - Switch on temperature ..... + 1,0 °C
  - Switch off temperature ..... + 0 °C
- MED
  - Switch on temperature ..... + 4,0 °C
  - Switch off temperature ..... + 3,0 °C
- MAX
  - Switch on temperature ..... + 8,0 °C
  - Switch off temperature ..... + 7,0 °C

Freezing
- Switch on temperature
  - MIN ..... - 31.0 °C
  - MED ..... - 27.0 °C
  - MAX ..... - 22.0 °C
- Switch off temperature
  - MIN ..... - 33.0 °C
  - MED ..... - 28.0 °C
  - MAX ..... - 24.0 °C
- MIN
  - Switch on temperature ..... - 31,0 °C
  - Switch off temperature ..... - 33,0 °C
- MED
  - Switch on temperature ..... - 27,0 °C
  - Switch off temperature ..... - 28,0 °C
- MAX
  - Switch on temperature ..... - 22,0 °C
  - Switch off temperature ..... - 24,0 °C

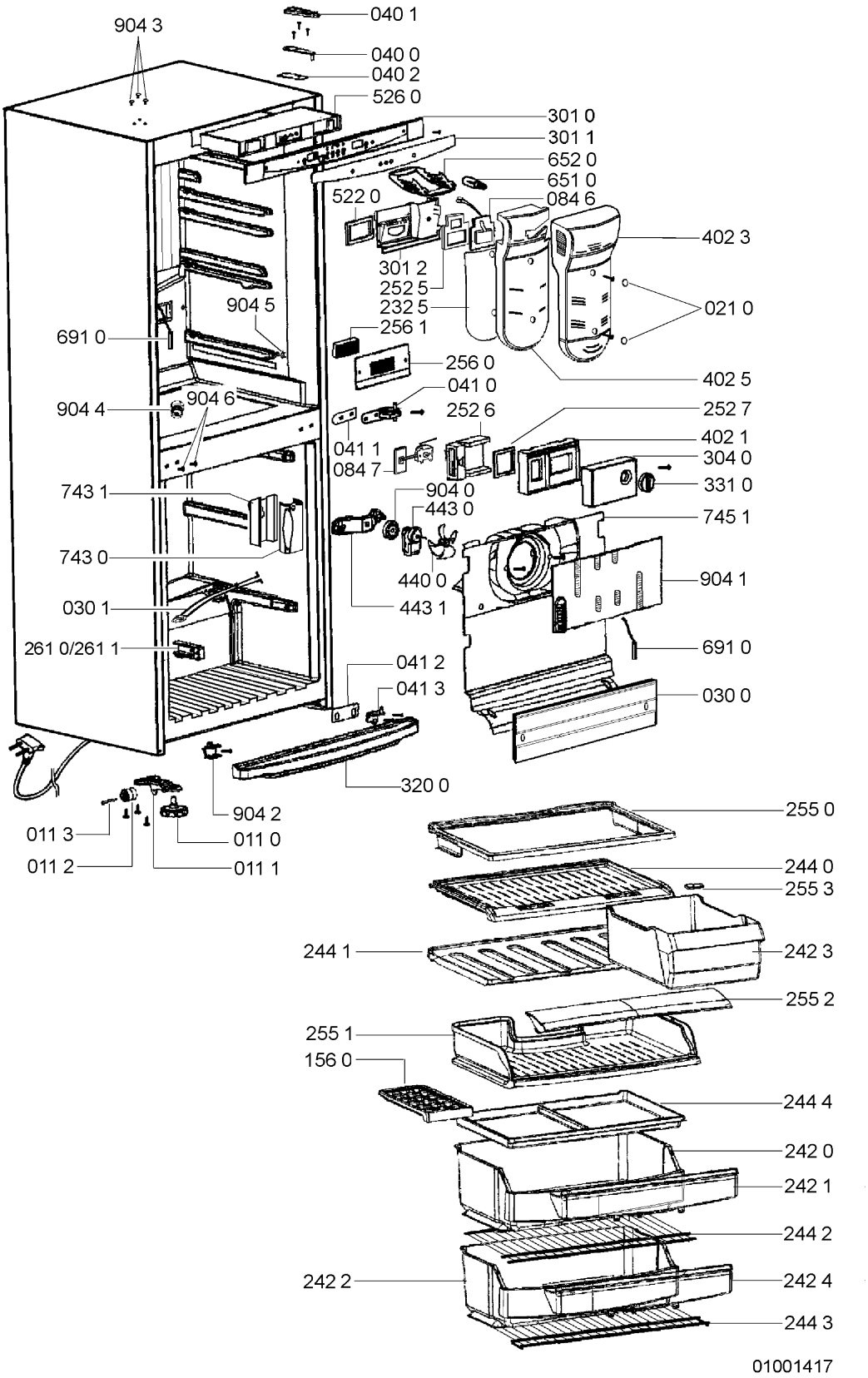
Exploded View



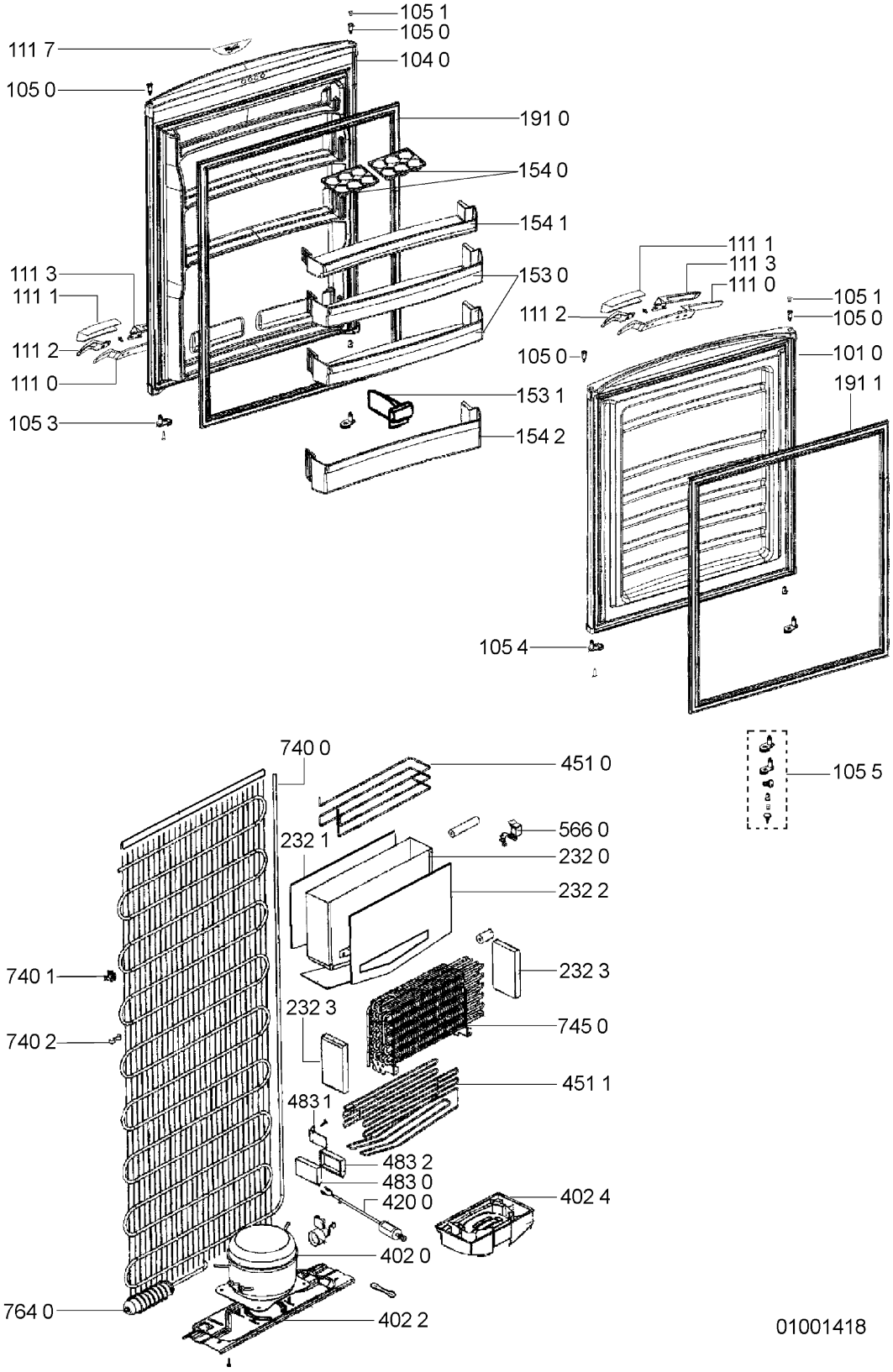
Exploded View



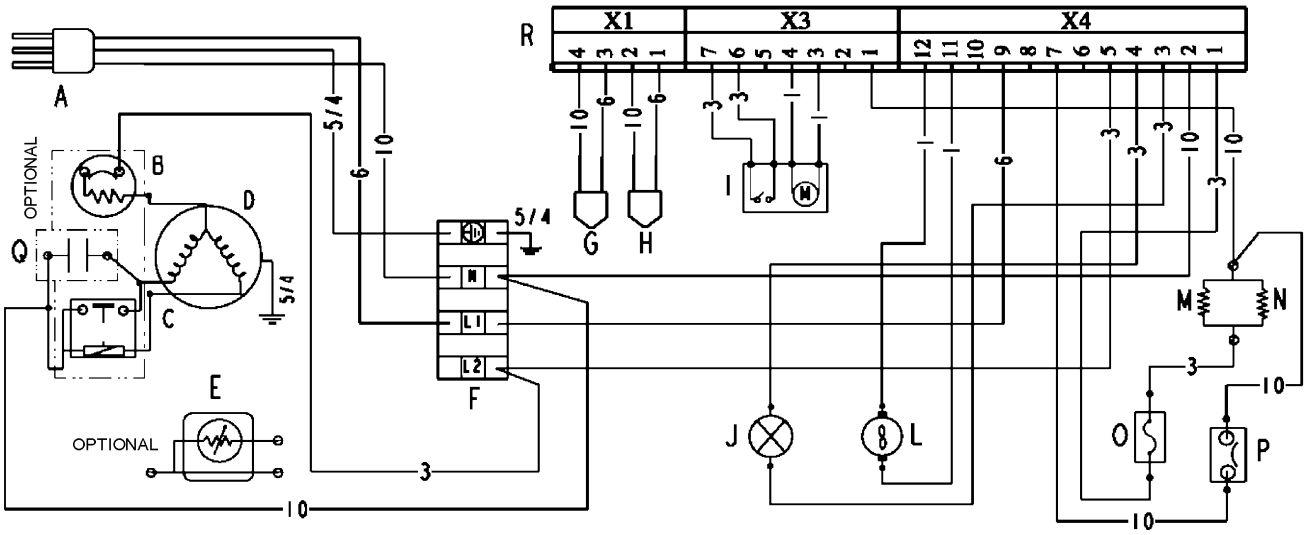
Closure Diagram



Closure Diagram



Closure Diagram



NOMINAL RATED	MINIMO MINIMUM	MAXIMO MAXIMUM
127V	104V	140V
220V	198V	242V
220V/230V	198V	253V
220V/240V	198V	264V

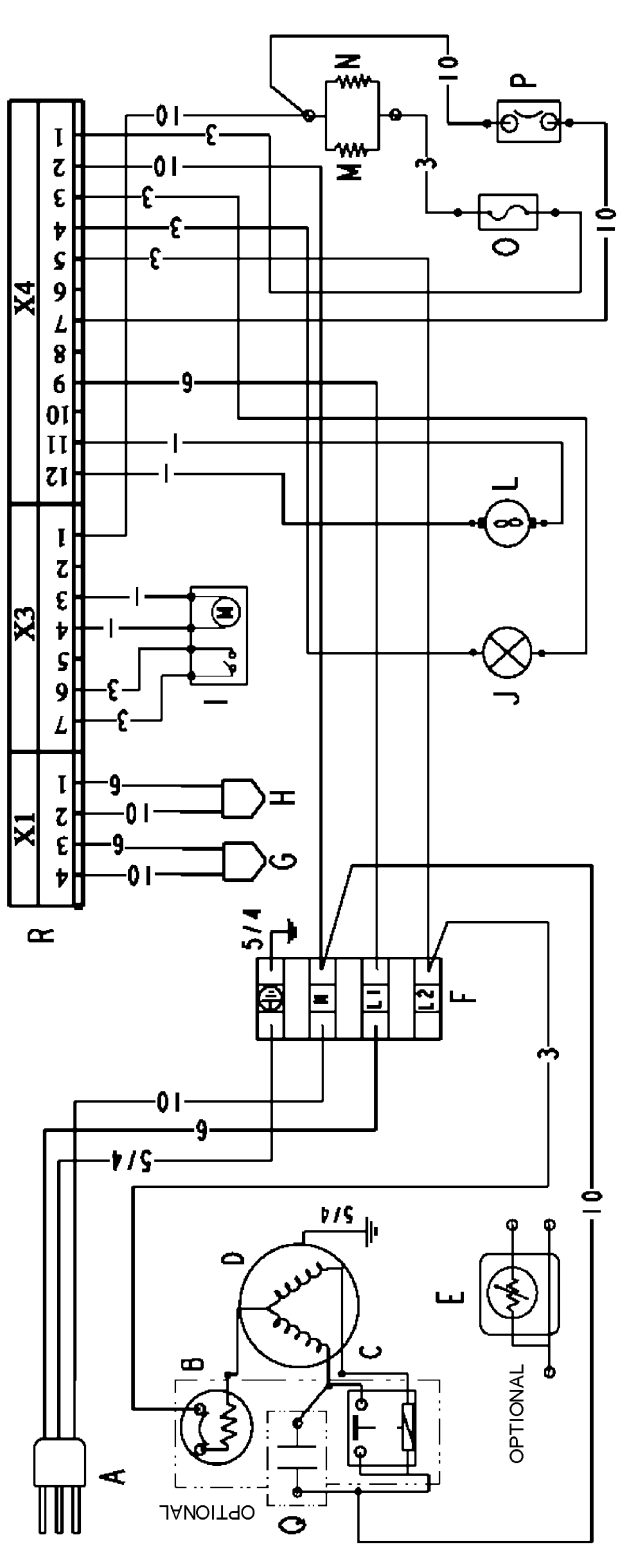
1 BLACK
2 RED
3 WHITE
4 YELLOW
5 GREEN
6 BROWN
7 ORANGE
8 PINK
9 GREY
10 BLUE

A POWER CORD
B OVERLOAD PROTECTOR
C RELAY
D COMPRESSOR
E PTC
F TERMINAL BOX
G FREEZER TEMP. SENSOR
H REFRIG. TEMP. SENSOR
I ELECTRICAL DAMPER
J LAMP

L FAN MOTOR
N DEFROST HEATER
M DUCT HEATER
O THERMOFUSE
P BIMETAL
Q STARTING CAPACITOR
R ELECTRONIC CONTROL

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Circuit/Wiring Diagram



A POWER CORD
B OVERLOAD PROTECTOR
C RELAY
D COMPRESSOR
E PTC
F TERMINAL BOX
G FREEZER TEMP. SENSOR
H REFRIG. TEMP. SENSOR
I ELECTRICAL DAMPER
J LAMP

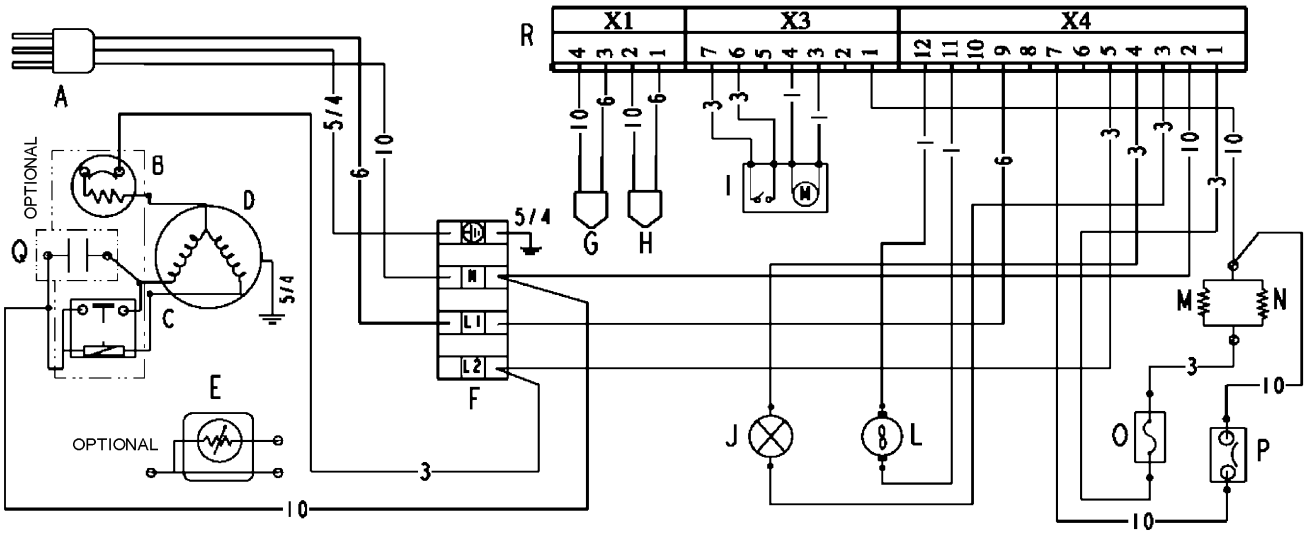
L FAN MOTOR
N DEFROST HEATER
M DUCT HEATER
O THERMOFUSE
P BIMETAL
Q STARTING CAPACITOR
R ELECTRONIC CONTROL

1 BLACK
2 RED
3 WHITE
4 YELLOW
5 GREEN
6 BROWN
7 ORANGE
8 PINK
9 GREY
10 BLUE

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NOMINAL RATED	MINIMO MINIMUM	MASSIMO MAXIMUM
127V	104V	140V
220V	198V	242V
220V/230V	198V	253V
220V/240V	198V	264V

Circuit Diagram



NOMINAL RATED	MINIMO MINIMUM	MAXIMO MAXIMUM
127V	104V	140V
220V	198V	242V
220V/230V	198V	253V
220V/240V	198V	264V

1 BLACK
2 RED
3 WHITE
4 YELLOW
5 GREEN
6 BROWN
7 ORANGE
8 PINK
9 GREY
10 BLUE

A POWER CORD
B OVERLOAD PROTECTOR
C RELAY
D COMPRESSOR
E PTC
F TERMINAL BOX
G FREEZER TEMP. SENSOR
H REFRIG. TEMP. SENSOR
I ELECTRICAL DAMPER
J LAMP

L FAN MOTOR
N DEFROST HEATER
M DUCT HEATER
O THERMOFUSE
P BIMETAL
Q STARTING CAPACITOR
R ELECTRONIC CONTROL

326033033

Service Bulletin 4812 711 40164

AUTHOR: Jochen Hohl
Last Update: 12/15/10
VERSION: 1.0
TITLE: No Cooling/ Alarm Blinking/ Lamp does not turn off
SUBJECT: Infrared sensor not receiving return signal

Involved Parts:

4812 453 72374 Reflector/Adhesive Display for INOX products
4812 453 72372 Reflector/Adhesive Display for white colour products
4812 044 98001 Washer, plastic

Note: appliances which are produced before week 19/04 are involved in this Bulletin

Solution: Adjust Electronic User Interface and door positions.

A) Reflector/ Display out of position



Always verify the position of the Reflector/ Display, the serigraphy on this place cannot block or superimpose the infrared reading.

The infrareds must be free and never covered

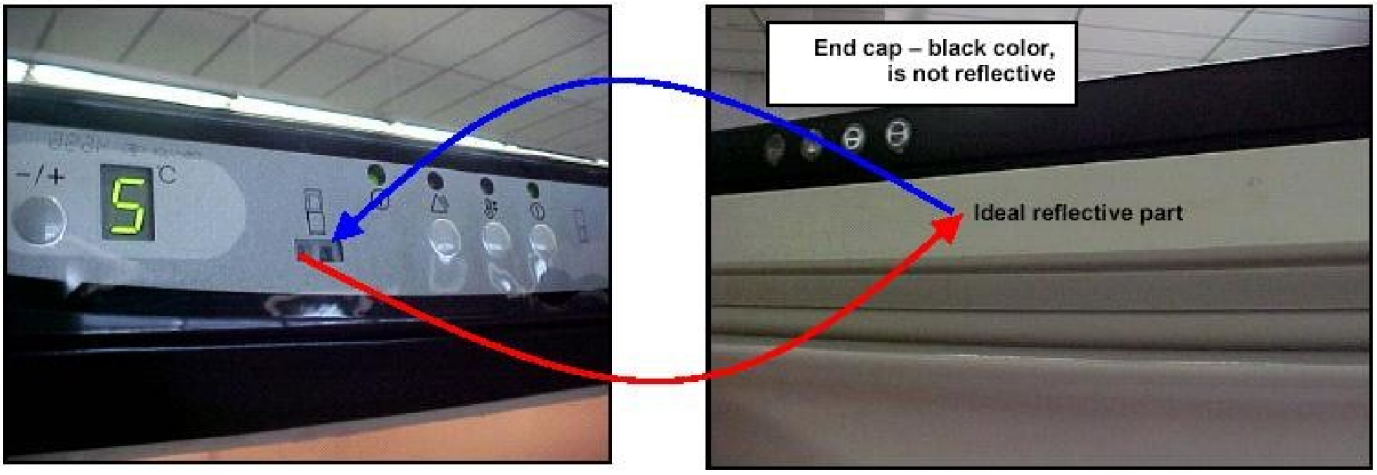
Corrective Action:

a.1) Remove the reflector/ adhesive display, then the screws that are fastening the console, release the Electronic Control-PCB and finally adjust the PCB position keeping the infrared free.

a.2) If necessary, replace the adhesive display/ reflector repositioning it.

B) Door alignment

Check door alignment, the door cannot be fallen down. The infrared sensor must be levelled with the internal panel of the door (white part) which will reflect the reading then returning to the infrared. Dark parts, like end cap – black color are not reflective and cannot return the signal properly.

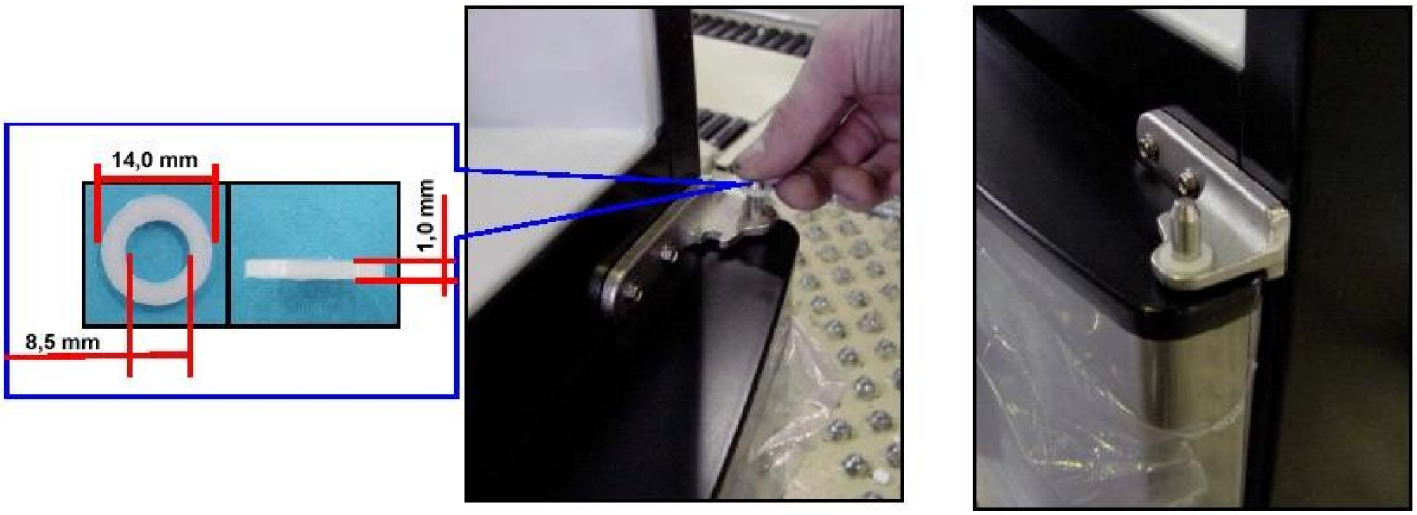


Corrective Action:

b.1) Remove the upper hinge cover, then the hinge itself, release the intermediary/ centre hinge and finally adjust the Doors placing the refrigerator Door as higher as you can.

b.2) Even re-adjusting the doors, if the height is not enough, 1 (or 2) plastic washer can be used on the centre hinge Pin to lift the door, please follow the procedure:

- Remove the upper hinge Cover, then the Hinge itself;
- Remove the refrigerator Door;
- Place 1 or 2 plastic (nylon) Washers into the centre hinge pin, according to the necessity;



Service Bulletin 4812 711 40338

AUTHOR: Robert Zimmermann
Last Update: 02/04/13
VERSION: 1.0
TITLE: Pipes vibration in the compressor niche.
SUBJECT: In some cases the vibrations from compressor induce vibrations of pipes in the niche. Typically, it concerns to the discharge tube. As an effect a audible noise is generated by the tube.

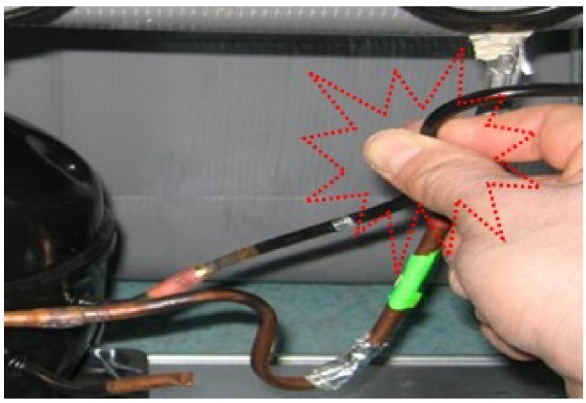
REMEDIAL ACTION

To reduce the noise a damper should be applied. Therefore a kit was created with the order number 4801 321 02827. The kit consist of 3 damper. The availability date of the kit in SPC is week 11/2010.
The damper will not be implemented in production, but the positioning of the pipes will be improved in order to eliminate the vibrations.
Please follow the below repair instruction.

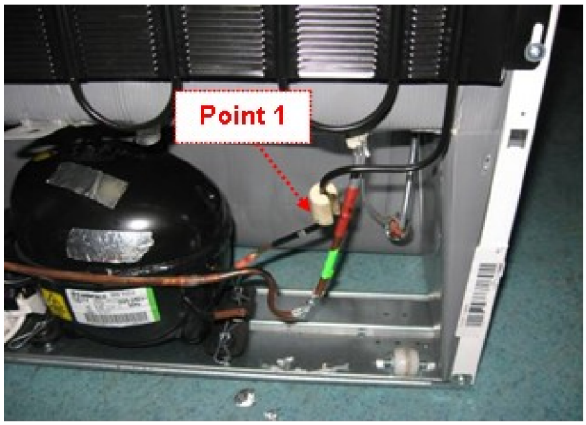
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Repair Instruction

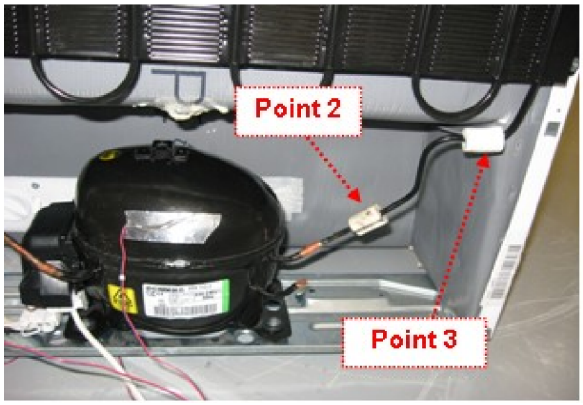
By pressing the pipe with the fingers (hand), you can find out from which pipe the vibration is generated. By pressing with the fingers, it will reduce the pipe vibration noise.
This is the indication for the correct position to place the damper.



To reduce the noise a damper should be applied as show in the picture below.



There are also other points (2 & 3) along the pipe where the damper can be applied.



Service Bulletin 4812 711 40347

AUTHOR: Robert Zimmermann
Last Update: 08/29/12
VERSION: 1.0
TITLE: Unsticking push-in door gaskets.
SUBJECT: In some cases it can happen, that the customer claims loosen door gaskets.

REMEDIAL ACTION

In case of loosen or unsticking push-in door gaskets, the technician can solve the problem by using a double adhesive tape from Tesa (15mm) with the order number 4812 291 08122. The estimated availability date in SPC is week 24/2010. See below the repair instruction.

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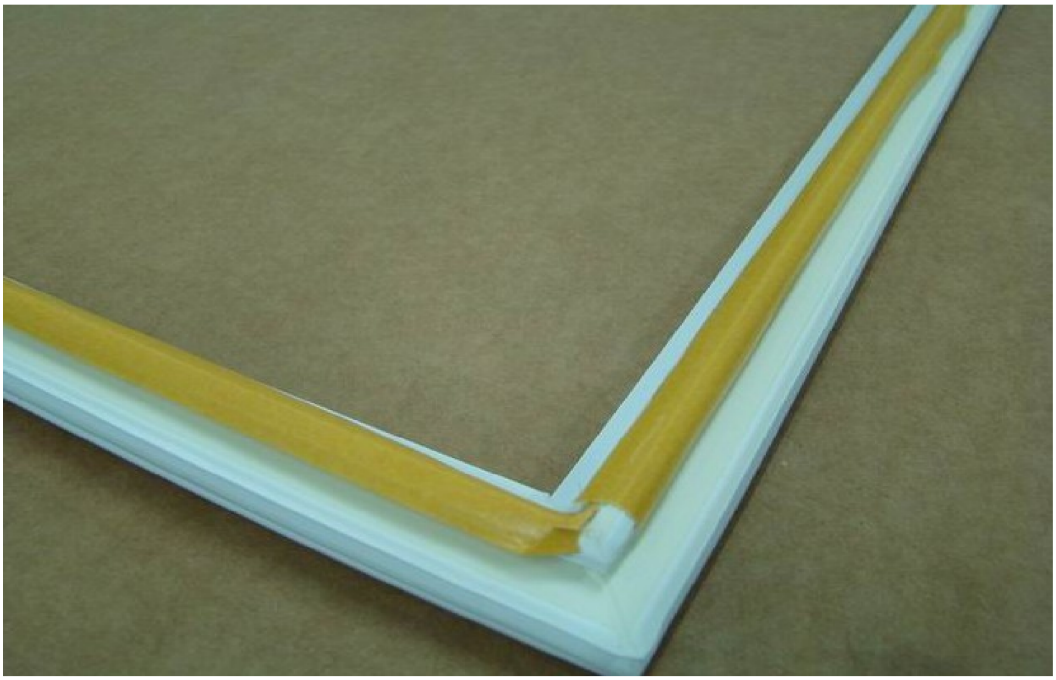
Repair Instruction for not sticking “push-in” gaskets:



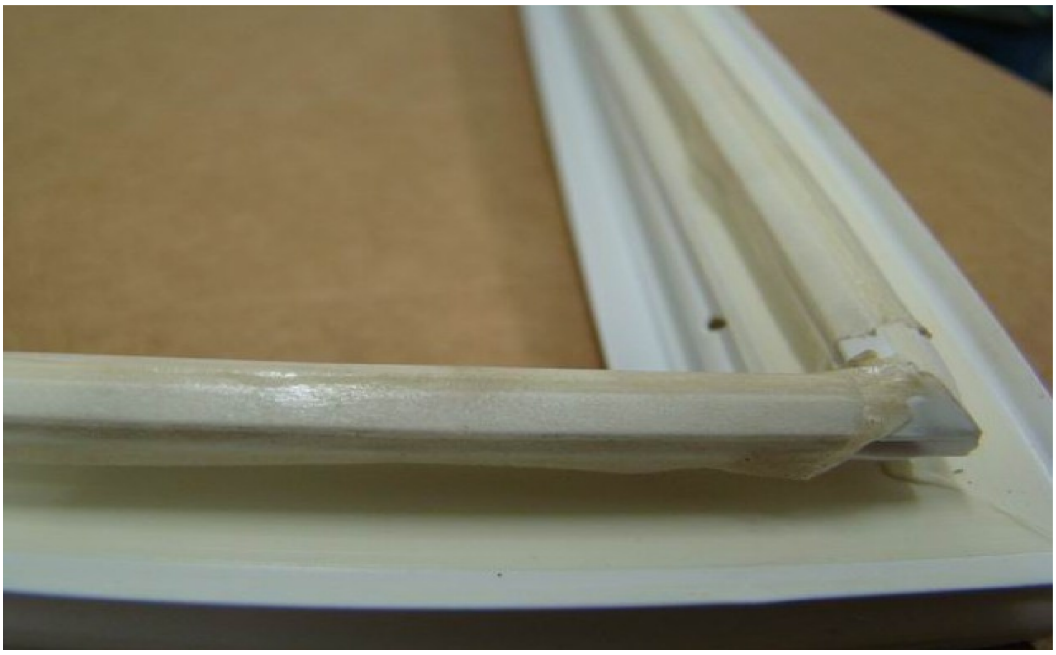
Step 1:
Pull out the gasket from the door and place the gasket with the anker body side towards to the top on a base.



Step 2: Paste up the double adhesive tape on the anker body as shown below.



Step 3: Remove the second protection film from the adhesive tape.



Step 4: Press in the gasket to the gasket channel at the door.
Start always from the corner side.



Service Bulletin 4812 711 40310

AUTHOR: Robert Zimmermann
Last Update: 08/29/12
VERSION: 1.0
TITLE: Running change of capillary tube in production.

CAUSE

due to the fact that the Whirlpool cooling factories will implement step by step the running change from copper capillary tube into aluminum capillary tube, it is necessary for a service intervention to use the correct LOKRING connector.
The relevant connection point is on the filter dryer to the capillary tube.
The conclusion is valid for both refrigerants, R134a and R600a.

The order number for the LOKRING connector 5/1,8NR MS 00 is: 4801 331 00001

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