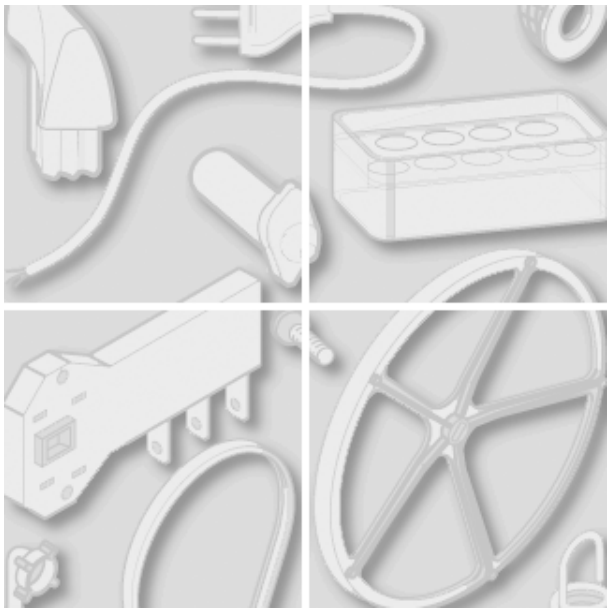
INDESIT company



Model type:

BTS1620/HA

Commercial code:

F048593

General notes

Technical Documentation guidelines

You can find herewith some generic information to simplify cunsulting of technical documentation:

1. Models of same range share the same exploded views, which report the richest set of spare parts:generally, a model does not necessarly have a related spare part for each particular shown on exploded views.

2. Some spare parts can not be represented directly on the exploded views (instruction booklets, specific kit, etc...). You can find those codes in the spare parts list with the same reference of particular where spares are installed or with references 099, 999. Instruction booklets, once managed, appear with 000 reference.

3. On the higher right site of each exploded view there is a serial number which indicates the beginning of the production of certain range:some models might have more than an exploded view for a given category, each distinguished by a different serial no.and linked to another spare parts list, In this case, serial no. is required to supply the right spare part code. Exploded view to be considered is the one with a more recent serial no. but previous than the one of the model that needs assistance.

4.Exploded views might require further updates even after publishing. Addition of new spares will go on following the already existing numeration references. Revision number of an exploded view is shown into last four digits of serial number into upper right hand corner.

5.The spare parts list associated to an exploded view shows related codes of spares managed for a certain model; for each spare part other informations are available:

REF: reference no of spare into a table; SUBSTITUTE: list of spare(s) which can replace a code but that keeps same functional characteristics

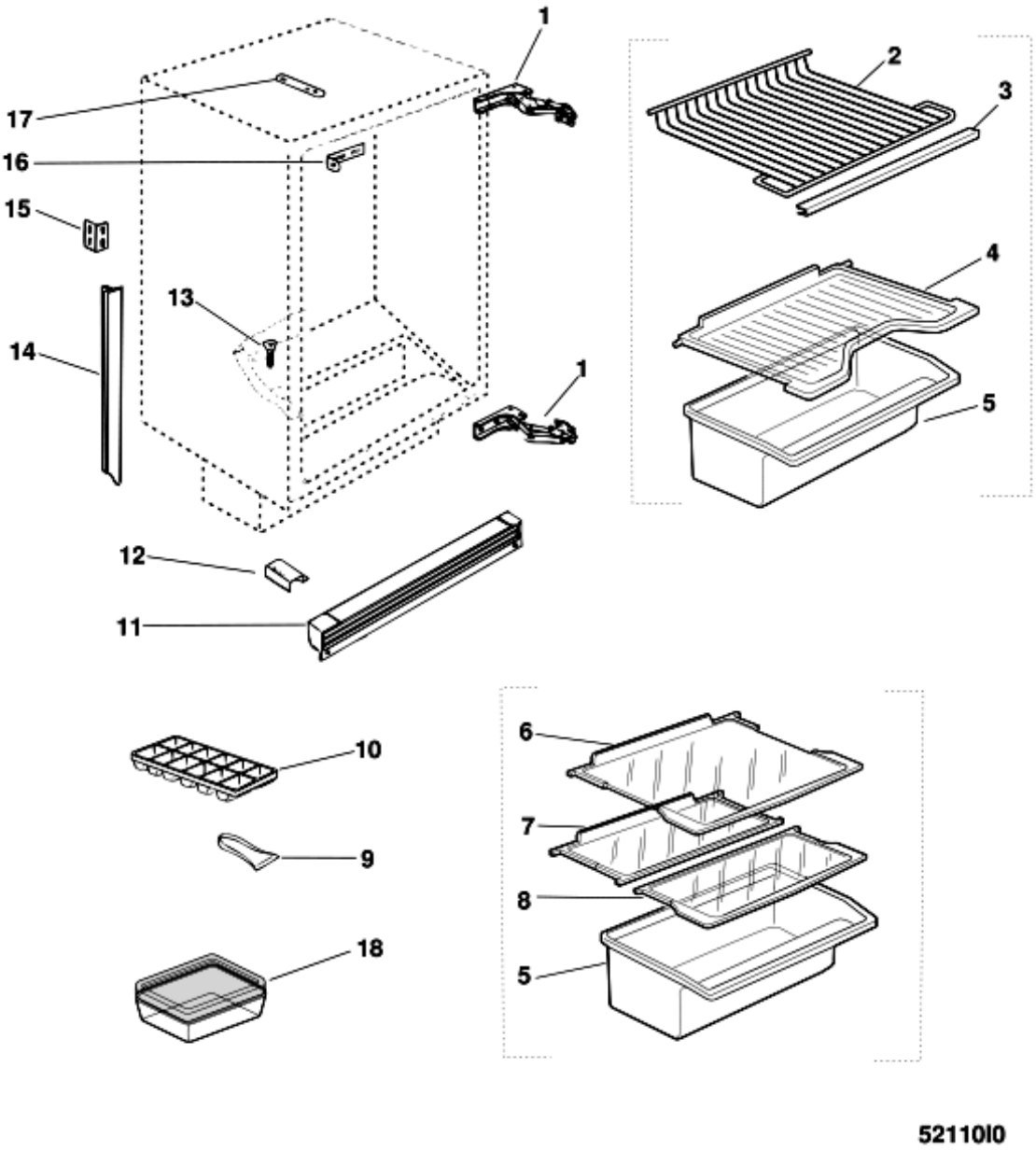
INDUSTRIAL CODE: list of variables of a model (shown into model label) where such spare is used; NOTICE: code of information(s) to refer to complete technical intervention, track for changes or to find correct spare part code.

6. Some notices, into a same section are generic therefore cannot be directly linked to a spare part. In order to assist a model in the best way as possible, it is helpful to pay attention to all notices and constantly verify documentation updates

7.Technical documentation cover shows model name and its commercial codes

52110i0 Exploded views

Matr. 20115.0002

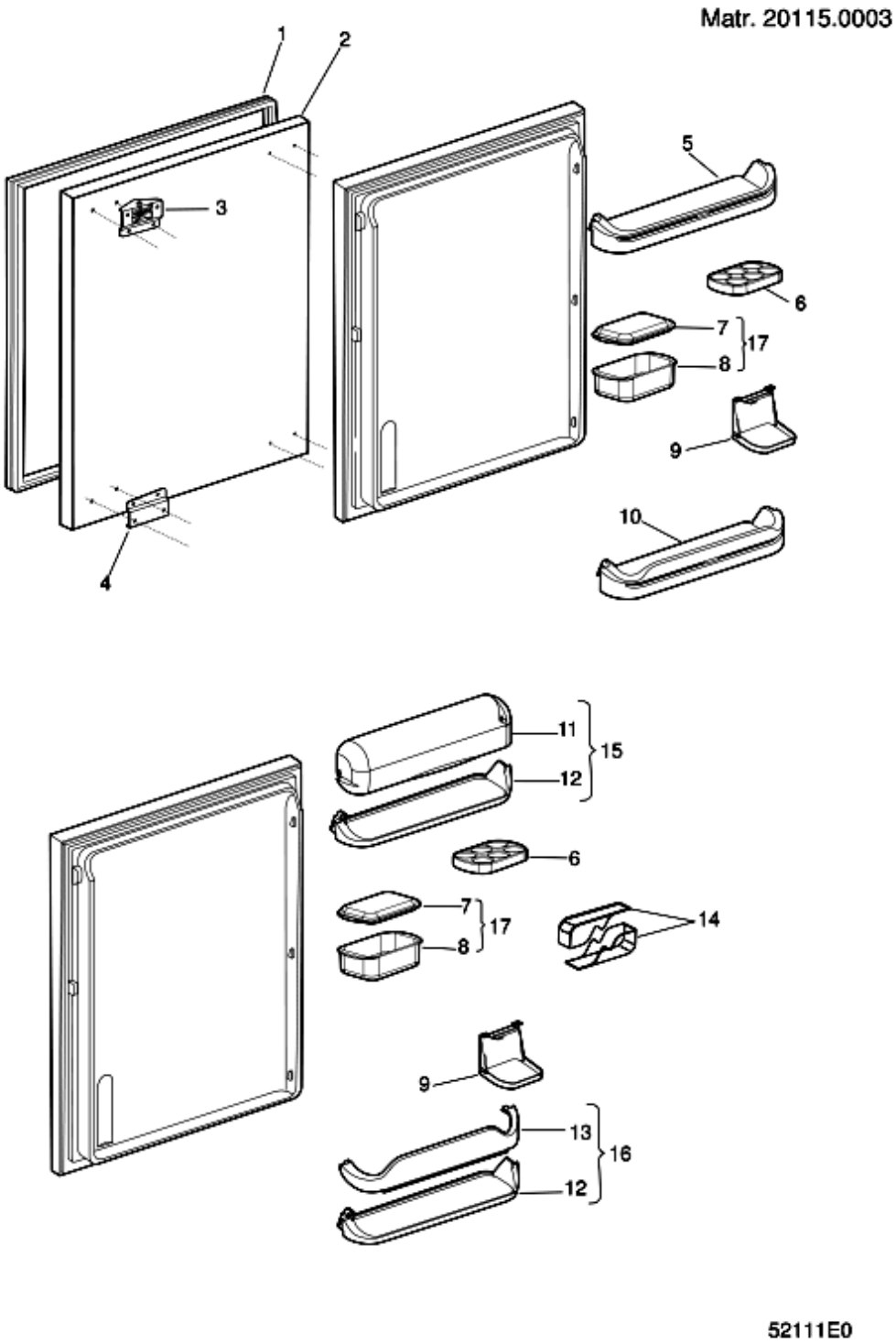


52110I0

52110i0 Spare parts list

Ref.	Code	From	To S/N	Substitute	Description	Notice	Industrial
000	C00258624				user instruction book bts 1620/ha		
001	C00144877				hinge - upper rh/lower lh (technic)		
001	C00144878				hinge - upper lh/lower rh (technic)		
002	C00051726				shelf - white		
003	C00144098				fridge shelf trim - pw 482 mm		
004	C00047329				crisper cover (492x20x293)		
005	C00047330				vegetable box (456x173)- white		
011	C00032107				adjustable base (570x85x43mm) -		
012	C00032108				base guide 75x39 mm 'skve1699'		
013	C00052485				defrost hole cleaner - (d.7x33mm)		
014	C00143336				side filler strip adhesive 700mm -		
015	C00022863				plate clamp fixing'door kdf2603t'		
016	C00032110				side fixing bracket (110x20x20) -		
017	C00032095				top fixing plate 90mm		
099	C00083781				under counter installation kit (s-		

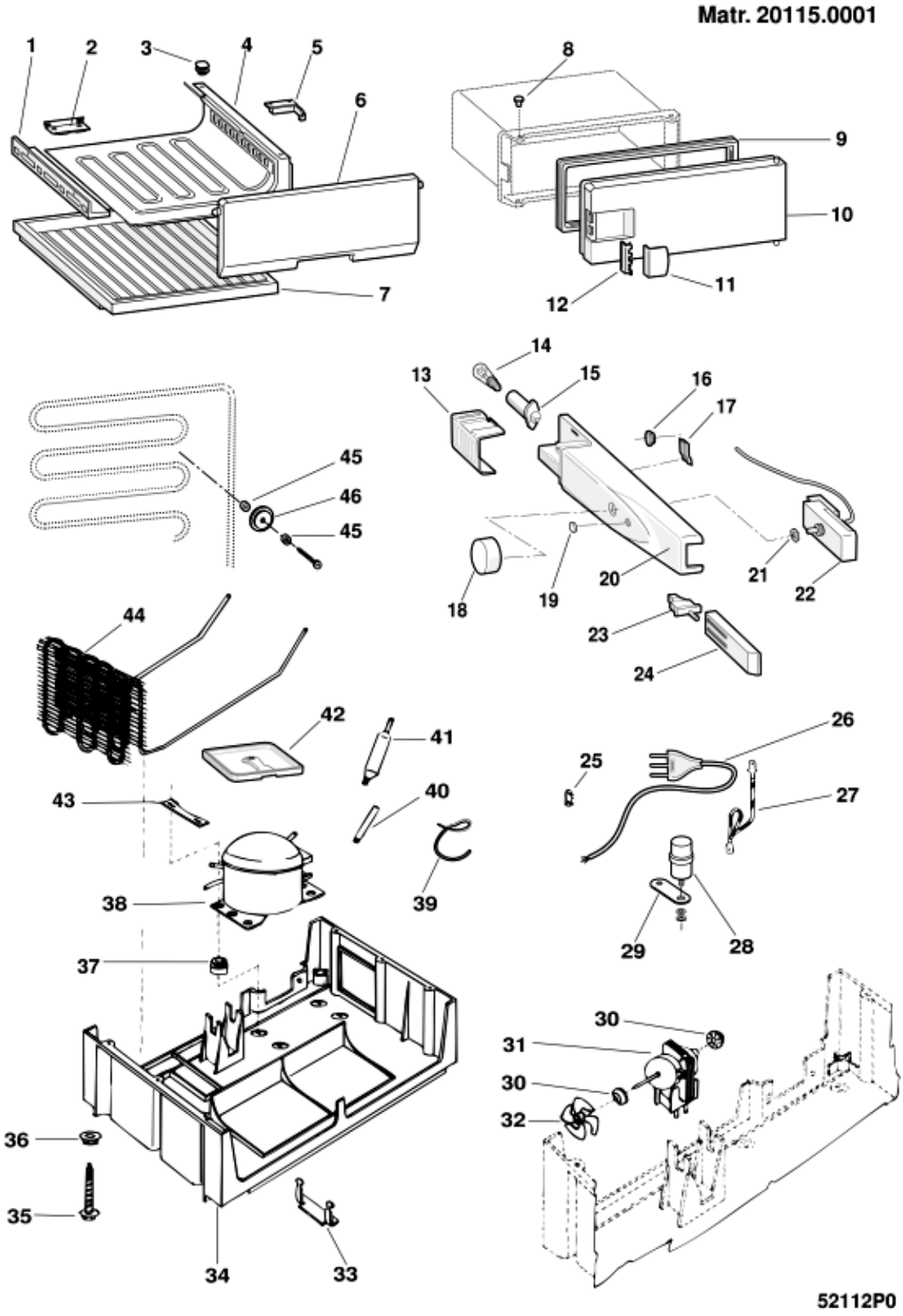
52111e0 Exploded views



52111e0 Spare parts list

Ref.	Code	From	To S/N	Substitute	Description	Notice	Industrial
001	C00032142				door seal - fridge (567x588mm)		
002	C00087175				fridge door assy 571x590x17-		
003	C00056741				door bracket		
004	C00056740				lower plate 60x43x6,5 (wood		
006	C00090981				egg tray (holds 6 eggs)		
009	C00090982				door shelf set		
015	C00254375		10123...		hinged box cover kit (w.443)	n3010j01	
015	C00283254	10124...			central shelf kit crystal	n3010j01	
016	C00145578		10123...	1 x C00283225	bottle shelf	n3010j01	
016	C00283225	10124...			kit bottle shelf cristal (w 410mm)	n3010j01	

52112p0 Exploded views



52112p0 Spare parts list

Ref.	Code	From	To S/N	Substitute	Description	Notice	Industrial
013	C00048505				lamp cover (giugiaro)		
014	C00006522				lamp 15w (e14)		
014	C00092584				protective heat lamp		
015	C00066295				lamp-socket (vossloh) 250v e14		
016	C00007225				plastic expansion rivet		
017	C00009888				cable clamp		
018	C00086601				thermostat knob (centre post) -		
019	C00022048				blanking plug (10,6mm) - white		
020	C00142464				thermostat box pw giugiaro	n1025065	
021	C00002516				nut - thermostat(center-post)		
022	C00057616				thermostat-(c.post)		
023	C00053997				lamp push button nc 250v		
024	C00066296				push-button light w.110 white		
025	C00046015				cable clamp with adhesive		
026	C00008598				mains supply cable 3x0,75		
030	C00025215				rubber mounting for fan motor		
031	C00045893				fan motor (mes) faston 4,8		
032	C00032127				fan blades		
033	C00043734				plate clamp - 80x22 compressor		
034	C00032118				base plinth 472x160		
035	C00032116				adjustable plastic foot-thread		
036	C00032117			1 x C00032116	locknut for nylon foot		
037	C00032453				rubber shock absorber -		
038	C00254350			1 x C00254294	compr.hvy57aa 220-240/50 1/9		
039	C00045894				delivery compressor connection		
039	C00098607				suction compressor connection		
040	C00043021				service pipe with valve (6 nfmssv)		
041	C00045265			1 x C00266179	filter gr.12 (d.1,95/d.4 mm) gas		
042	C00046376				defrost tray (stick on) 215x148x25		
043	C00008471			1 x C00193590	fixing plate - compressor (750908)		
043	C00032744				fixing plate - compressor		
043	C00036648				fixing plate - compressor		
044	C00032143				condensor remco		

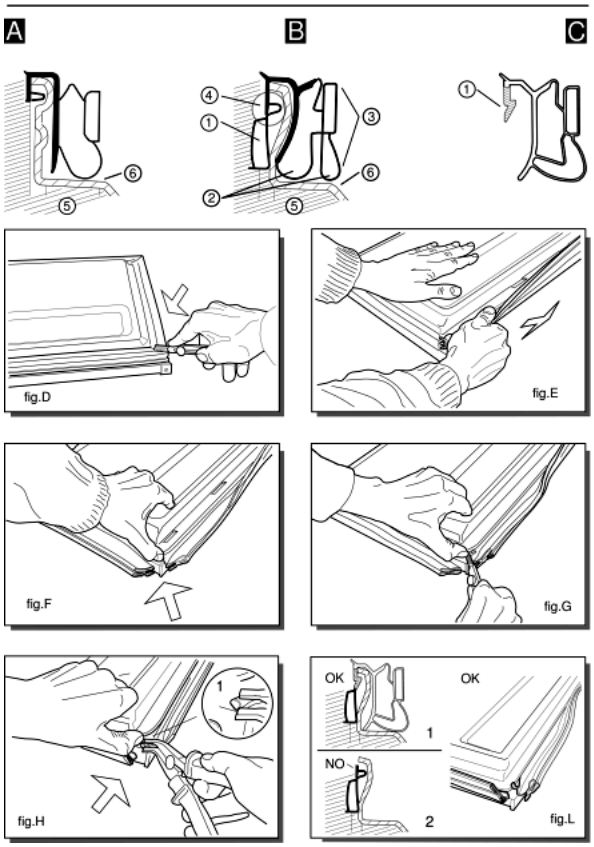
Notices

0521123: SEALS FOR DOORS FOAMED AS ONE PIECE

Various types of gaskets with different profile, as shown in figures (A) and (B), are used to fix the door (fig. A-5; B-5) and the inner door (fig. A-6; B-6) on the block foamed doors of combined freezers and refrigerators.
---Ilpea profile 245; 179; 412 (fig.A)
---Ilpea profile 287 (fig.B)
When replacing gaskets with profiles 245; 179; 412 these are fixed with screws (2 per corner) to the door.
Gaskets with profile 287 can not be used as spare parts but are designed to house the Ilpea type 900 gaskets (see figure C).
When replacing the gasket (287), once it is removed you will find a pocket (fig. B-1) between the door and inner door.
The rigid tooth (fig.C-1) of the gasket (900) is inserted inside between the pocket and the inner door, doing away with the need for screws.
Gasket with profile 287 is easy to identify since it has an exterior double edge (fig.B-2) which acts as a cushion when the door is closed.
To replace this gasket, follow these steps:
---Dismount the door and cut the four corners of the gasket along the joint (fig.D);
---lift the gasket and pull it carefully along its full length without tearing it (fig.E).
The purpose here is to detach the inner door slightly from the foam along the exterior edge for a depth equal to that of the gasket (fig.B-3);
---lift the corner of the inner door slightly, prising it up with your thumb (fig.F). Do not use a tool which might break the inner door;
---continue cutting the gasket inside the inner door for about 6 mm (fig.G);
---push in the tip of the pliers (type USAG N131) and pull outwards until you see the top edge of the pocket (fig. B-4) which is empty (fig.H-1);
---if you carry out this operation correctly (fig.L) you will be able to pull off the top edge of the pocket for the full length of the door.
If the gasket tears before the top edge (fig. L-2) you should repeat this operation from the other corner of the door.
---once the gasket (287), has been removed the space above the pocket (fig. L-1) can house the rigid tooth (fig. C-1) of the gasket 900.
When you fit this gasket ensure that it lies flush against the edge for the full length of the door.
If the rigid tooth is difficult to fit, eliminate any residues of foam between the door and the inner door in the gasket area.
fig.5131549A

n1025065: Giugiaro-Vossloh thermostat box kit (low Ambient Temp. +16?C)

As of February-2001 (serial no. 10201.0001), the "thermostat box KIT for low ambient temperatures" is being handled with part number 076283 and is to be used on Indesit brand double-door refrigerators that have the Giugiaro thermostat box fitted on them



(048503 - 066297).
The kit should be used exclusively to solve those problems obtained due to the poor performance of the freezer due to an ambient temperature below +16°C.
The kit is innovative, as it has a 6.6 Watt resistance fitted inside the thermostat box that should be activated by the toggle switch with a rubber protection situated underneath the thermostat knob. The switch is activated when the ambient temperature drops below +13°C (contacts closed. See the wiring diagram included in the kit).
This resistance heats up and enables the thermostat to be reactivated, thereby allowing the appliance to operate correctly.
On the thermostat box, the resistance is glued onto an aluminium plate (152x42) itself glued to the box.
When replacing the thermostat box, no components should be re-used, and this includes the wiring.
The wiring in the kit has terminals with fastons for connecting them to the compressor's terminal board; in the event of different solutions, then make the suitable adjustments as necessary.
Moreover, the thermostat box in the kit was obtained from the Giugiaro one (066229) with the Vossloh lamp holder and the Eltek switch. On this box, the position of the fixing hole was moved 15 mm up; therefore, on the models that are fitted with the Giugiaro thermostat box (048503), the hole on the cabinet should be remade before mounting the kit.
Moreover, on the models that use the hidden bulb thermostats, the position of the mark should be remade on the thermostat in the kit and, if necessary, the sheath protecting the bulb should be removed.

This is a list of the parts that make up the kit that are handled as spare parts:

New parts

066295 - LAMP HOLDER (VOSSLOH) 250V E14
066296 - GIUGIARO-VOSSLOH WHITE SWITCH ROD (L.110)
066294 - LIGHT SWITCH 250V NC (ELTEK)
048507 - WHITE-BLUE GIUGIARO THERMOSTAT KNOB
039131 - A13-0184/091X6483 CENTER POST THERMOSTAT
009888 - CABLE CLAMP
006522 - 220-240V/15W LAMP (E14)
048505 - LAMP COVER (GIUGIARO)
076442 - 6.5/7.7 W 220/240V RESISTANCE (FASTON)
032399 - TOGGLE SWITCH PROTECTION (21X15)
032395 - TOGGLE SWITCH 250V S.A1 (21X15)

n1025101: Disappearing bulb thermostats (warning!)

The apparatus that provide for the thermostat to be threaded into a small tube located inside the fridge cabinet are noted as versions with "disappearing bulbs".
The bulb must be inserted for a length equal to the position indicated on the colored ribbon (small mark) which confirms the correct position of the bulb in the evaporation area, otherwise causing the poor performance of the apparatus.
Therefore in cases of thermostat replacement it will be necessary to reset on the new, if missing, the same small mark position and always check that the thermostat bulb is completely devoid of the sheath so as to ease its insertion.
The entrance of the small tube, placed in the thermostat container, is protected by a perforation cover in order to avoid the formation of condensation. The perforation cover was initially situated externally and could be substituted with putty or silicone.
For the models with disappearing bulb thermostats, the spare parts are inclusive of the small colored marker,
however check that its position corresponds to that on the thermostat that will be replaced.
The spare part description always notes the position of the small marker in millimeters as well as the thermostat initials.

Example : 074519 = THERMOSTAT A13-0547 C. POST FASTEX (L.390)

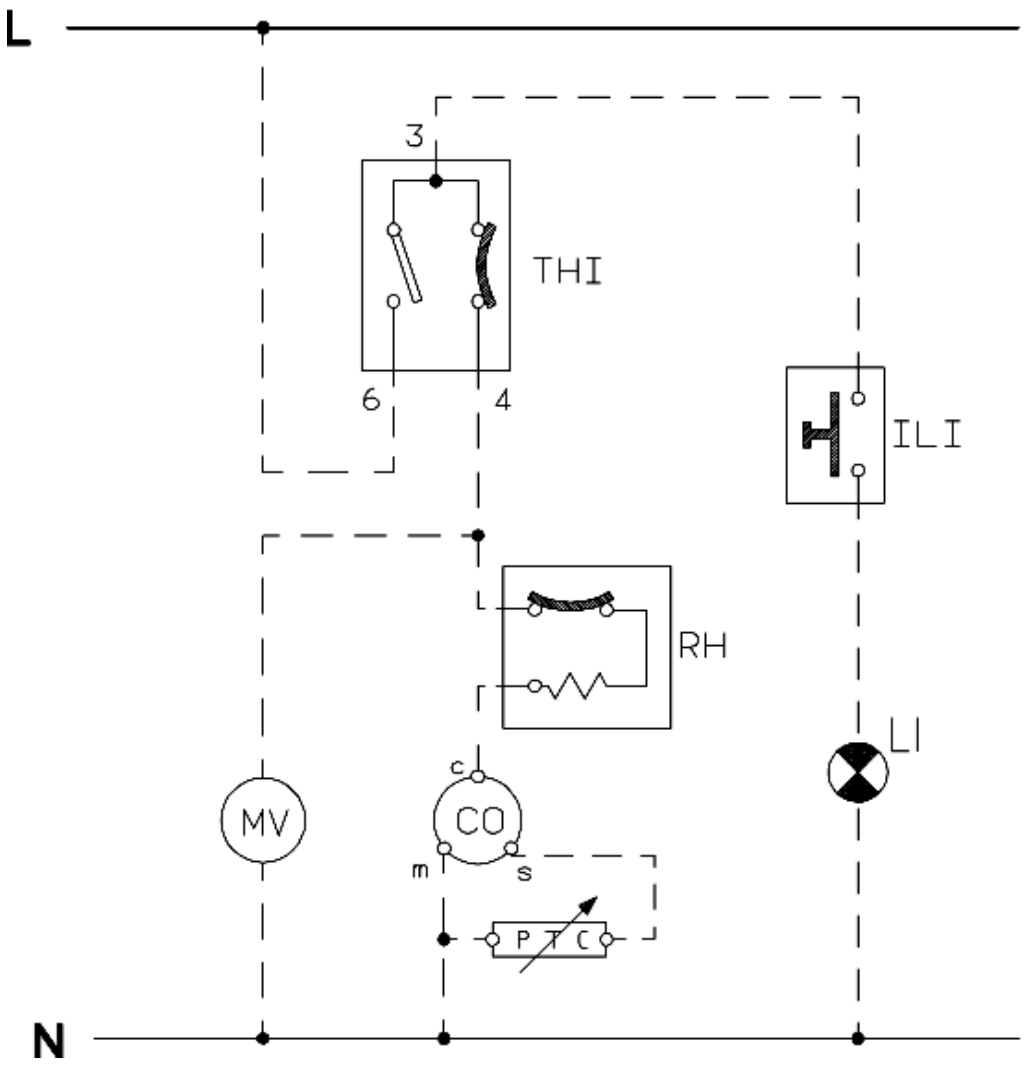
n3010j01: Colour Change of Internal Accessories

The colour of some of the internal shelves and accessories have changed to transparent. This affects models produced in Carinaro-Manisa. Modification is functionally interchangeable therefore once the colour versions of the parts have depleted they will automatically substitute to its corresponding transparent parts. Some parts will have been made obsolete with no substitution.

Some parts have changed from Satin Finish to Shiny (Crystal) Finish. These parts include;
-Door Shelves
-Crisper Front Panels
-Freezer Drawer Front Panels
All pre-modification components will be managed till the end of stock and after they will be substituted with new version.

Electric schemes and links

Cod. 521011b



Legend

Legend: 521011b

CM	Running capacitor	N	Neutral
CO	Compressor	PTC	PTC relay
FA	Radio anti-trouble filter	R	Heating resistance
IDS	Schackler with warning	RA	Ammetrical relay
ILFR	Push-button for fridge lamp/fan	RAN	Heating element condensation
ILFZ	Push-button for freezer lamp/fan	RFZ	Heating element condensation freezer
ILI	Lamp switch	RH	Thermal relay
IP	Door switch	RS	Defrosting resistance
IR	Line switch	RS1	Defrosting resistance no-frost evaporator
ISC	Warning light-freezing switch	RS2	Defrosting resistance no-frost gutter
IV	Fan-motor switch	SDC	CONTROL CARD DIAGRAM
L	Line	SL	Line warning
LFR	Fridge lamp	SND1	PROBE REFRIGERATOR EVAP.
LFZ	Freezer lamp	SND2	AIR-PROBE FREEZER
LI	Lighting lamp	SND3	AIR-PROBE REFRIGERATOR
M	Mass/Eart symbol	T	Erden
MO	Terminal board	TC	Turbocooling
MT	Timer motor	TF	Fuse-thermic
MV	Fan motor	THI	Thermostat switch
MVCO	Compressor compartment fan	THR	Adjustable thermostat
AR	Rear	MIDE	Defrost timer
ARE	Off	MRCL	Light brown
AUTR	Autotransformer	N	Black
AV	Front	NEU	Neutral
B	Blue	NU	Not used
B/N	Blue / Black	OPT	Optional
B/R	Blue / Red	OR	Orange
BCD	Control box	OR/N	Orange/Black
BLP	Lamp box	P	Plate
BR	Brown	PAB	Terminal strip
BRR	Connection terminal board	PCON	Freezer door
CD	Surge Capacitor	PH	Phase
CNTD	Activation contact	POS	Position

CNTS	Signs contact	PRBI	Bimetal protection
COM	Selector	PTC	PTC start
COMP	Compressor	R	Red
CON	Connector	RAC	Anti condensation heating
CONG	Freezer	RBD	Dispenser heating element
CONM	Multiple connector	RCAV	Cavity heating element
CONP	Main connecting	RD	Defrost heating element
CORA	Fast freezing	RENC	Frame heating element
CORD	Supply cable	RET	Time delay
CPER	Permanent condenser	RFAC	Facade heating element
CTES	Test cord	RITH	Thermostat internal
DMX	Auxiliary start	RL	Relay
EAU	Water	RO	Pink
ECL	Lighting	RO/N	Pink / Black
ECLC	Cavity lighting	RPTC	PTC relay
ERT	Working winding	RST	Heating element
EV	Electrovalve	S	Sector
FAGL	Icemaker	SGLP	Crushed cube solenoid
FRIG	Refrigerator	SON	Ringing
FUSI	Isolating fuse	STH	Thermal safety
GLA	Cube	TH	Thermostat
GPI	Crush	THCT	Thermo-contact
GR	Grey	THD	Defrost thermostat
GR/J	Grey / Yellow	THER	Thermal
GVAT	Ground with condenser auto tapped screws	THG	Main thermostat
I+V	Switch + LED	THIS	Power switch thermostat
ICCA	Frozen food cavity switch	TURB	Turbine
ICR	Fast freezing switch	UG	Defrost control
IEF	Cold water switch	V	Green
IGL	Icemaker switch	V/J	Green / Yellow
IGLP	Crushed cube switch	VATC	Refrigerator temp.
IHUM	Humidity switch	VATR	Freezer temp. variator
ILUM	Light switch	VE	Fan
INT	Switch	VECO	Condensation fan
IP	Door switch	VEEV	Evaporator fan
IS	Power switch	VEF	Cold water valve
J	Yellow	VFG	Ice maker valve
J/N	Yellow / Black	VI	Violet
J/V	Yellow / Green	VIB	Vibrator
LAMP	Light	VO	LED
LCCO	Frozen food cavity light	VOA	Alarm LED
LCUV	Cavity light	VOIP	Door switch LED
LFRI	Refrigerator light	VOS	Power LED
LLEG	Crisper light	VOU	Voltage LED
LMDI	Ice disp. motor switch	W	White
MA	On	W/MR	White / Brown
MDIS	Ice disp. motor	W/R	White / Red