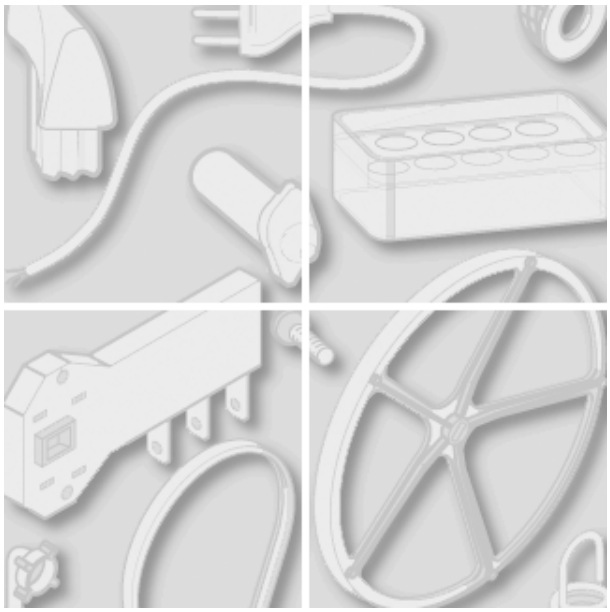
INDESIT company



Model type:

BCB312AI/HA

Commercial code:

F048726

ARISTON INDESIT Scholtès

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:

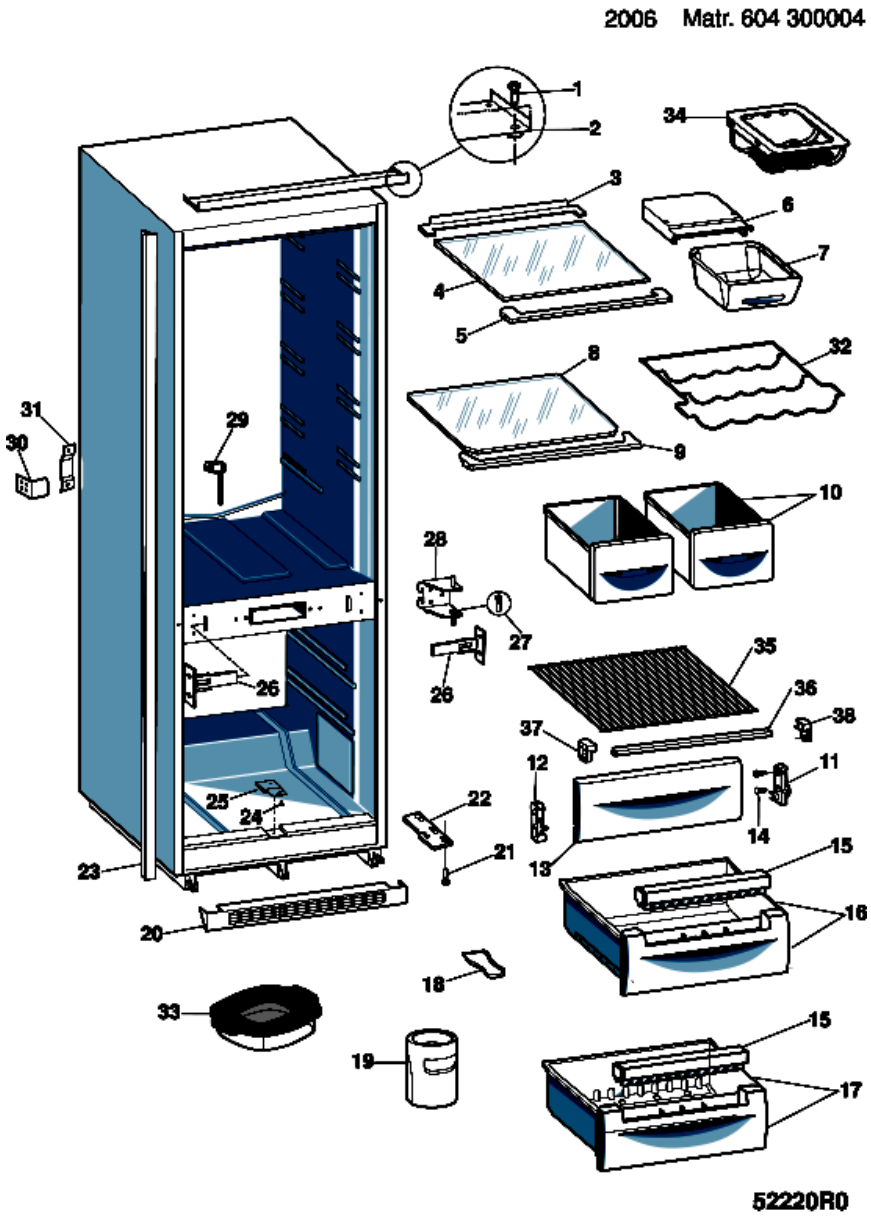
REF: reference no of spare into a table; SUBSTITUTE: list of spare(s) which can replace a code but that keeps same functional characteristics

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

52220R0 Exploded views



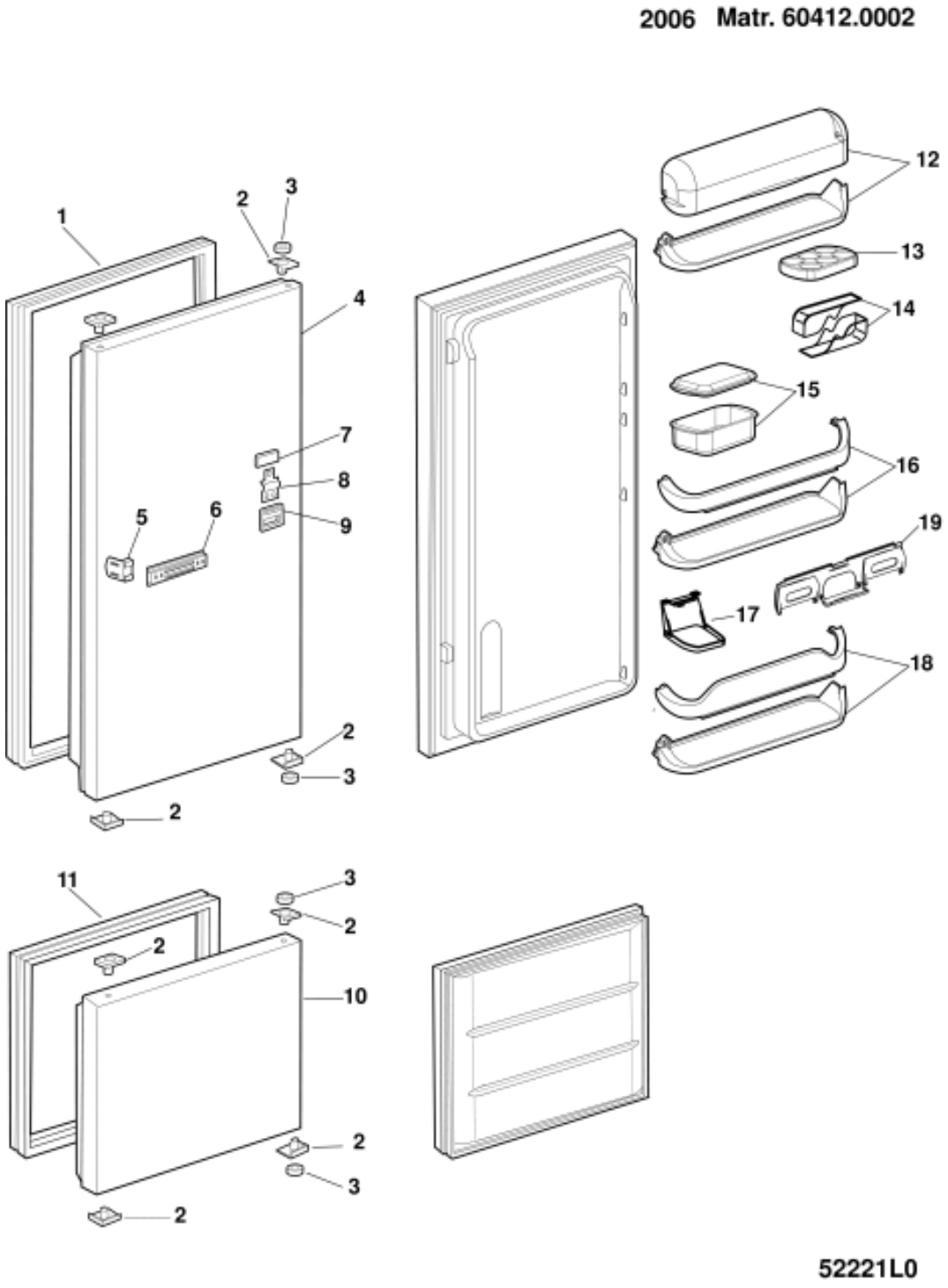
52220R0 Spare parts list

Ref.	Code	From	To S/N	Substitute	Description	Notice	Industrial
000	C00145588				printed sheet		
000	C00256122				user instructions bookletes		
001	C00097074				hinge pin - lower m8x7-23 zncr		
002	C00144558				roof with hinge white		
003	C00144354				profile glass shelf		
004	C00145249			1 x C00144356	glass shelf (with slide)		
005	C00144362				front shelf profile 474x14		
006	C00086382				meat box cover (317x214mm)		
007	C00086381		10123...	1 x C00283755	meat box (309x215x98mm) - clear		
007	C00283755	10124...			meat box (309x215x98mm) -	n3010j01	
008	C00144426			1 x C00280888	crisper cover (466x296x4mm)		
009	C00144431				crisper cover trim		
010	C00145254		10123...	1 x C00283220	crisper bin - clear	n3010j01	
010	C00283220	10124...			crisper bin - cristal	n3010j01	
011	C00041957				rh freezer flap hinge (63x13mm) -		
012	C00041958				lh freezer flap hinge (63x13mm) -		
013	C00145248		10123...	1 x C00283231	freezer flap-44 (lxh) 384x162x25	n3010j01	
013	C00283231	10124...			freezer flap-cristal (lxh)	n3010j01	
014	C00014612				plastic expansion rivet		
015	C00254348				ice cubes container (wxh 303x54)		
016	C00145246		10123...	1 x C00283232	middle drawer	n3010j01	
016	C00283232	10124...			middle drawer crystal	n3010j01	
017	C00145247		10123...	1 x C00283233	lower drawer (384x167x164)-	n3010j01	
017	C00283233	10124...			lower drawer (384x167x164)-	n3010j01	
018	C00003261				ice scraper - white		
020	C00144439				plinth white		
021	C00017812	10411...		1 x C00032099	hinge pin (m8x5-20)		
021	C00032099		10410...		hinge pin - top/lower m8x26 zncr		
022	C00194606		10410...		hinge lower lh/rh - (zn)		
022	C00278082	10411...			hinge lower lh/rh - (zn)		
023	C00021590			1 x C00282185	side filler strip-pvc adhesive		
024	C00075194				clip fastex (54-1949-1100)		
025	C00075193				freezer drain-gasket white		
026	C00075106				side fixing "t" plate -(zn) w.93 mm		
027	C00017812			1 x C00032099	hinge pin (m8x5-20)		

52220R0 Spare parts list

Ref.	Code	From	To S/N	Substitute	Description	Notice	Industrial
028	C00075107				central hinge rotozn		
029	C00045965				cleaner/plug 6x120-defrost		
099	C00113975				installation kit - plastic		

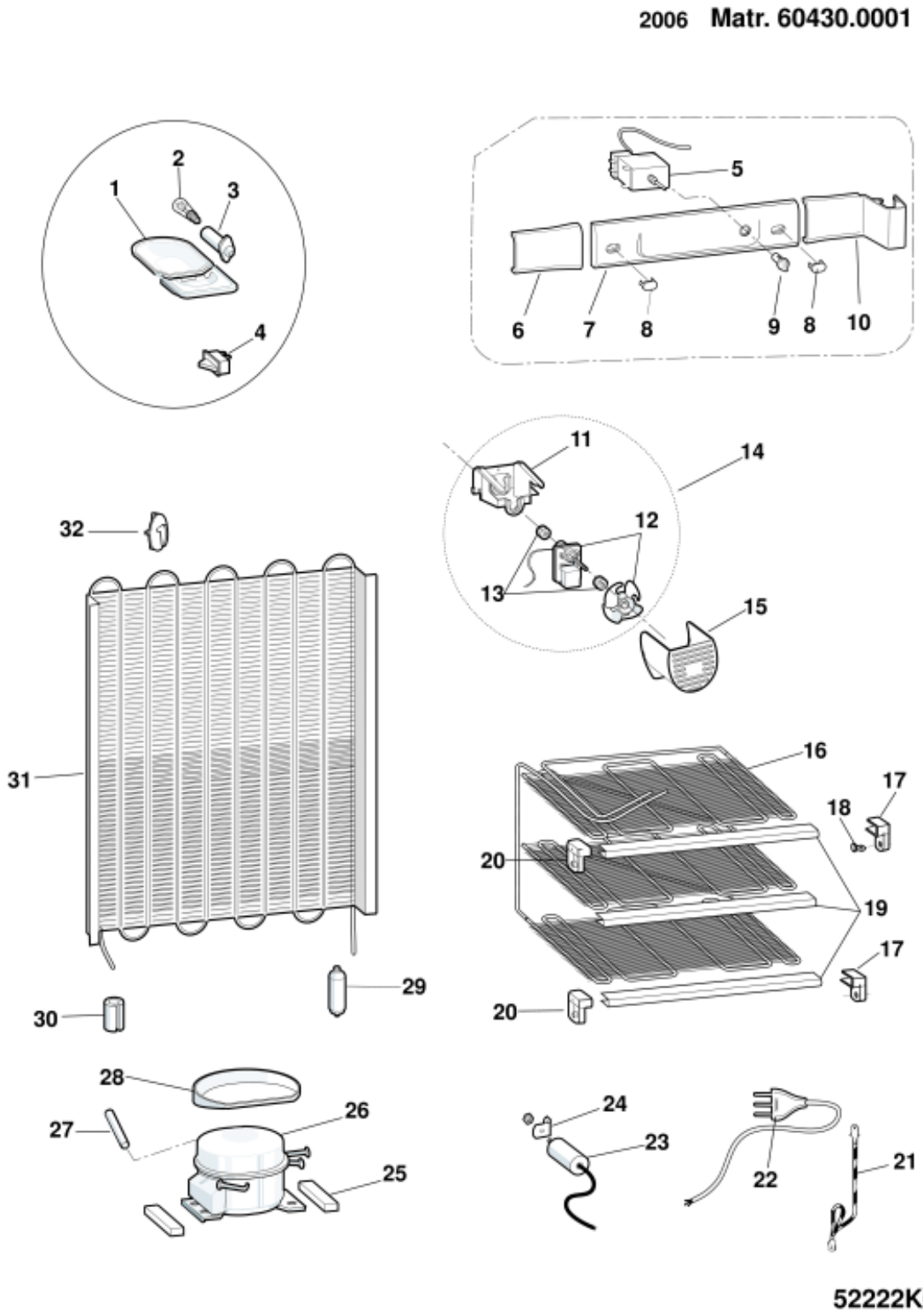
52221L0 Exploded views



52221L0 Spare parts list

Ref.	Code	From	To S/N	Substitute	Description	Notice	Industrial
001	C00141802				fridge door seal (530x1017mm)		
002	C00046890				square hinge bush rh (25x25) -		
002	C00046891				square hinge bush lh (25x25) -		
003	C00022154				plastic washer (12x6,1x3mm) -		
003	C00028928				plastic washer (12x6,4x2 mm) -		
003	C00028951				plastic washer (12x6,1x6mm) -		
003	C00041990				plastic washer (12x6.1x4mm) -		
004	C00087291				fridge door - white		
005	C00113700				guide slide door rail short nylo		
006	C00113698				slide door rail long(wood door		
010	C00144447				freezer door assy pw		
011	C00141810				freezer door seal 530x593		
012	C00254347		10123...		kit hinged box cover(w.443) clear	n3010j01	
012	C00283254	10124...			central shelf kit crystal	n3010j01	
013	C00090981		20115...		egg tray (holds 6 eggs)		
015	C00145250				butter box		
016	C00195567		10123...	1 x C00283254	central shelf kit	n3010j01	
016	C00283254	10124...			central shelf kit crystal	n3010j01	
018	C00145578		10123...	1 x C00283225	bottle shelf	n3010j01	
020	C00283225	10124...			kit bottle shelf cristal (w 410mm)	n3010j01	

52222K0 Exploded views



52222K0 Spare parts list

Ref.	Code	From	To S/N	Substitute	Description	Notice	Industrial
001	C00054000				lamp box		
002	C00006522				lamp 15w (e14)		
002	C00091912				light deflection folio (50x100)		
003	C00031233				lamp-socket (libero 1061) 250v		
004	C00092774				lamp switch deka 250v nc		
005	C00145441		70909...		thermostat c.post		
005	C00259135	70910...			thermostat 077b-6970 center		
006	C00075170				side fascia strip - white		
007	C00111928				dashboard moulding control lxh		
008	C00088521				base cap rh white		
008	C00088522				base cap lh white		
009	C00099226				thermostat knob white		
010	C00075169				hinge cover - white wxh		
016	C00144507				evaporator		
017	C00144509				evaporator support rh-pw		
018	C00014612				plastic expansion rivet		
019	C00144510				trim white		
020	C00144508				evaporator support lh - pw		
021	C00141321				earth lead		47487260101 47487260201
022	C00008598				mains supply cable 3x0,75		
022	C00216413				mains cable jiax (shuko)		47487260101 47487260201
023	C00264483			1 x C00266752	run capacitor 4,5uf (p2) rohs		47487260101 47487260201
025	C00057840				rubber shock absorber		
026	C00111232			1 x C00144761	compres. danfos nle10kk4 220-		47487260000 47487260100
026	C00144768				compzbt1114cy 220-240/50 1/4-		47487260101 47487260201
026	C00271689			1 x C00293580	kit comp.n1114y 220/50 1/5hp-		47487260203
026	C00281444				ptc + klixon (nt1114y) r600a		
026	C00281445			1 x C00293581	compr. nt1114y 220v/50 1/5-		47487260202
027	C00008727				charging pipe without valve		
027	C00043021				service pipe with valve (6 nfmssv)		

52222K0 Spare parts list

Ref.	Code	From	To S/N	Substitute	Description	Notice	Industrial
028	C00114695				defrost water tray 209x175x58		
028	C00118844				adhesive sponge seal nf/elctronic-		
028	C00283188				adhesive sponge 30x60x3		
029	C00144122			1 x C00266179	dryer r134-600 3ways kit		
031	C00042379	10124...			condenser h=1000x536x26	n3011d04	
031	C00083321		10123...		condenser imat wxh 535x1300	n3011d04	
032	C00094418				stop mains supply cable		

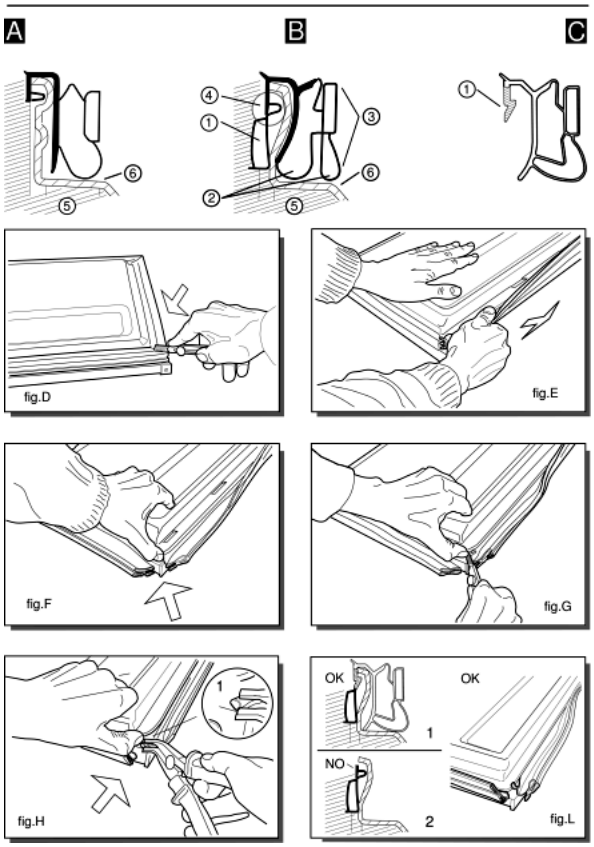
Notices

0522067: 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

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.

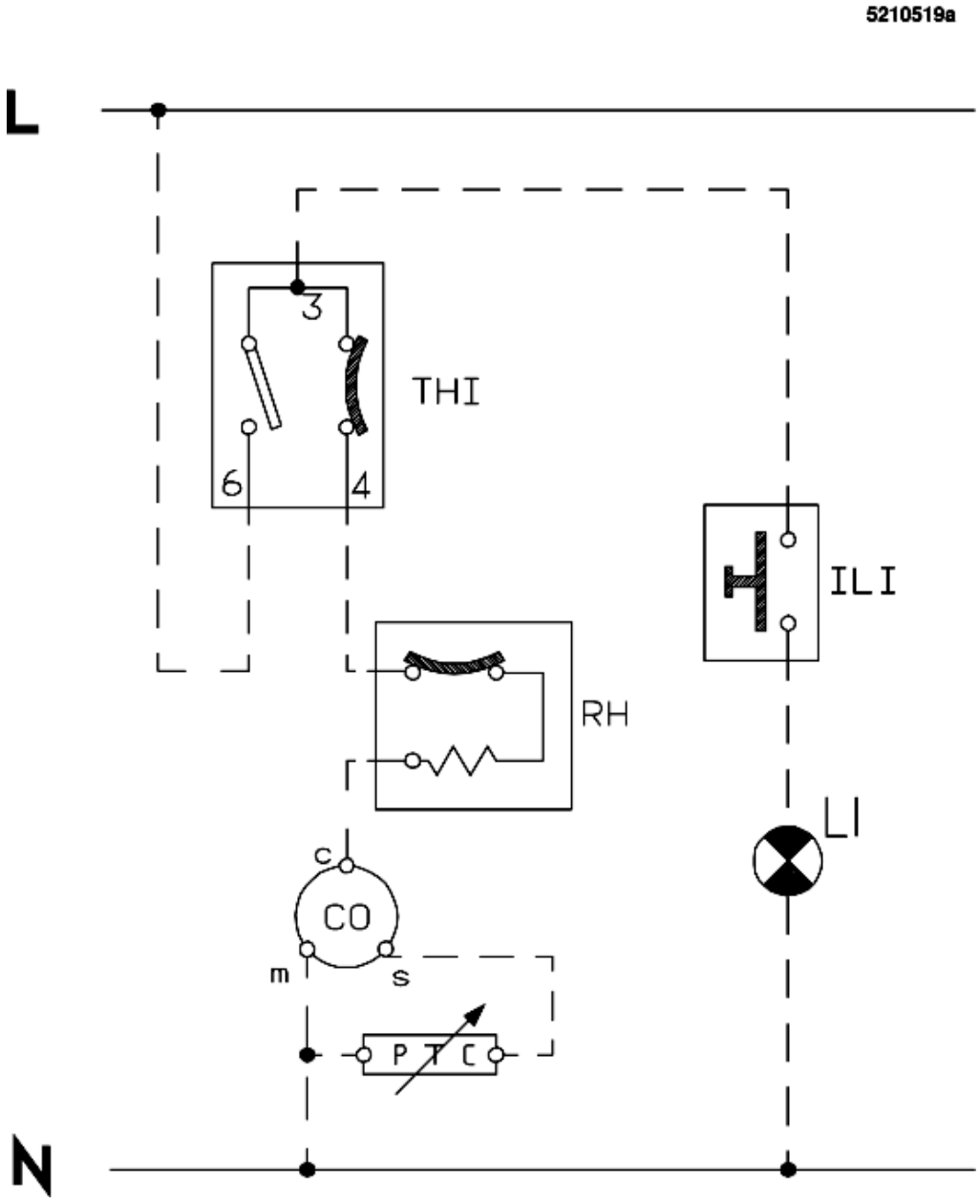
Some parts have changed from Satin Finish to Shiny (Crystal) Finish. These parts include;
-Door Shelves
-Crisper Front Panels
-Freezer Drawer Front Panels
All pre-modification components will be managed till the end of stock and after they will be substituted with new version.

n3011d04: CONDENSER CHANGED IN BUILT-IN PRODUCTS

CONDENSER CHANGED IN BUILT-IN PRODUCTS

Electric schemes and links

Cod. 521001b



Legend

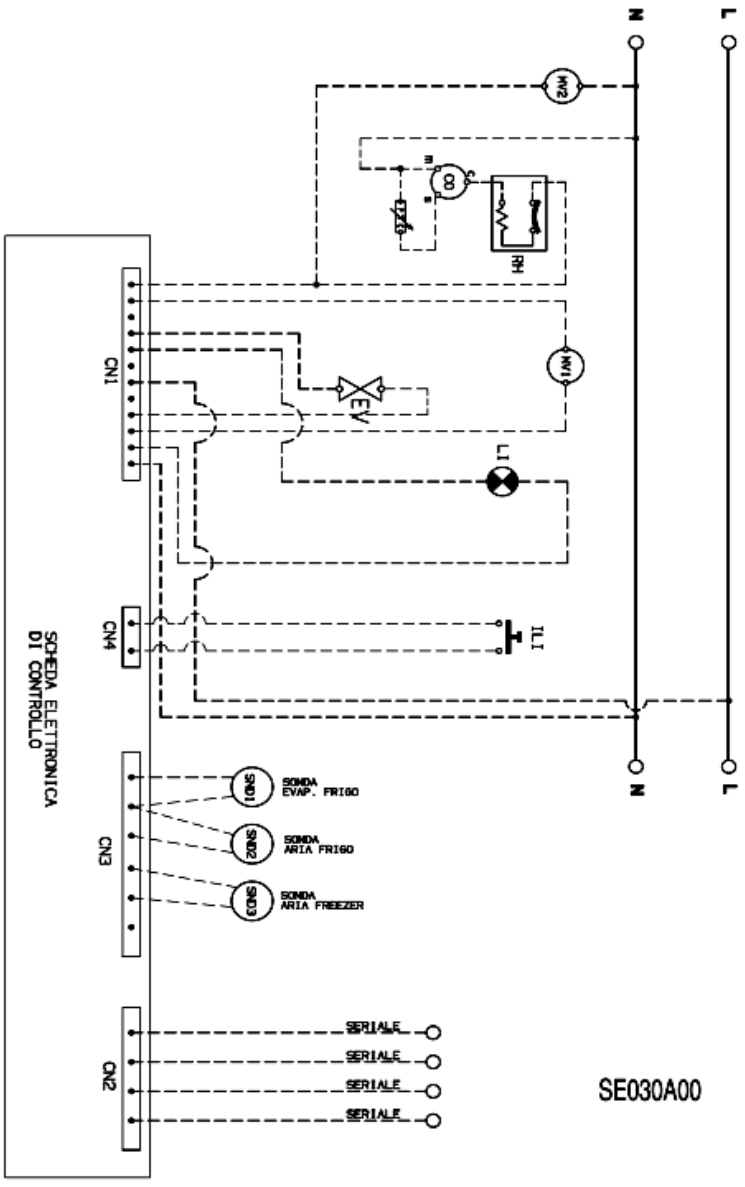
Legend: 521001b

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

Electric schemes and links

Cod. SE030A00



Legend

Legend: SE030A00