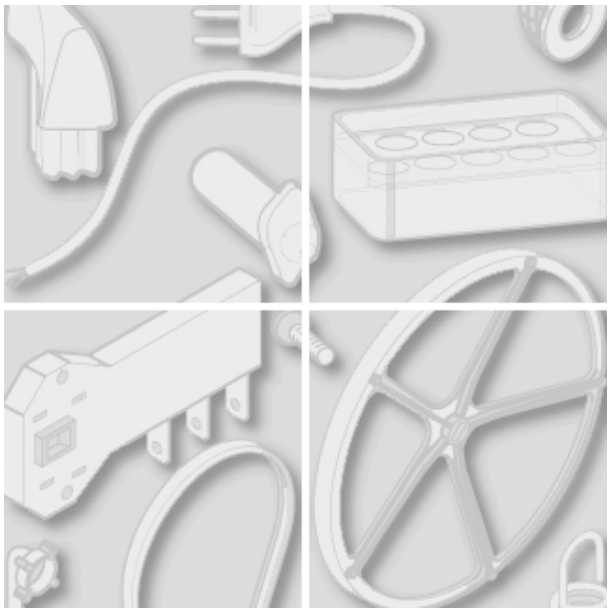


Model type:

IN-D-290GAID

IN-D-290GAIS

Commercial code:

F031105

F031106

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

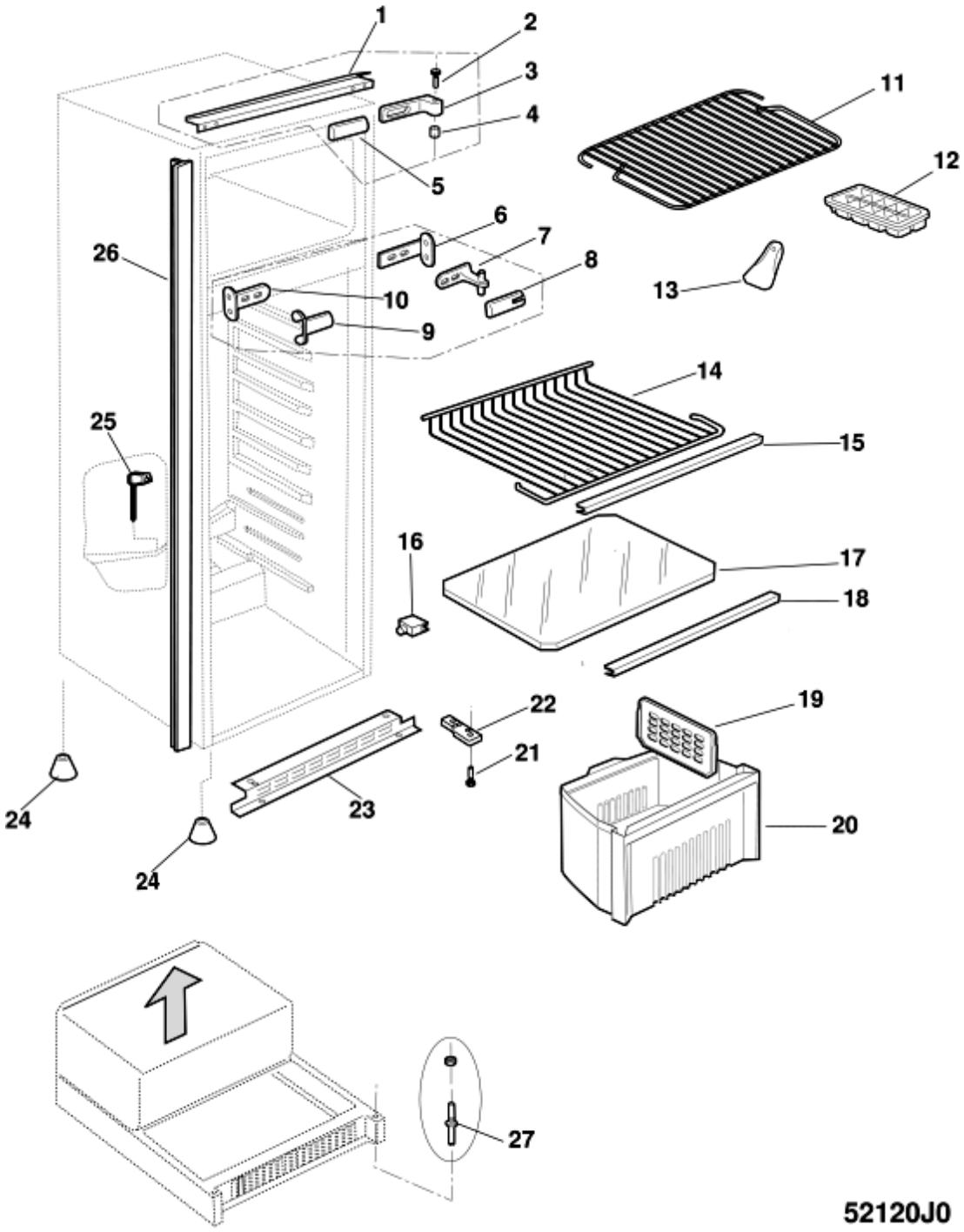
INDUSTRIAL CODE: list of variables of a model (shown into model label) where such spare is used; NOTICE: code of information(s) to refer to complete technical intervention, track for changes or to find correct spare part code.

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

52120j0 Exploded views

Matr. 31006.0002



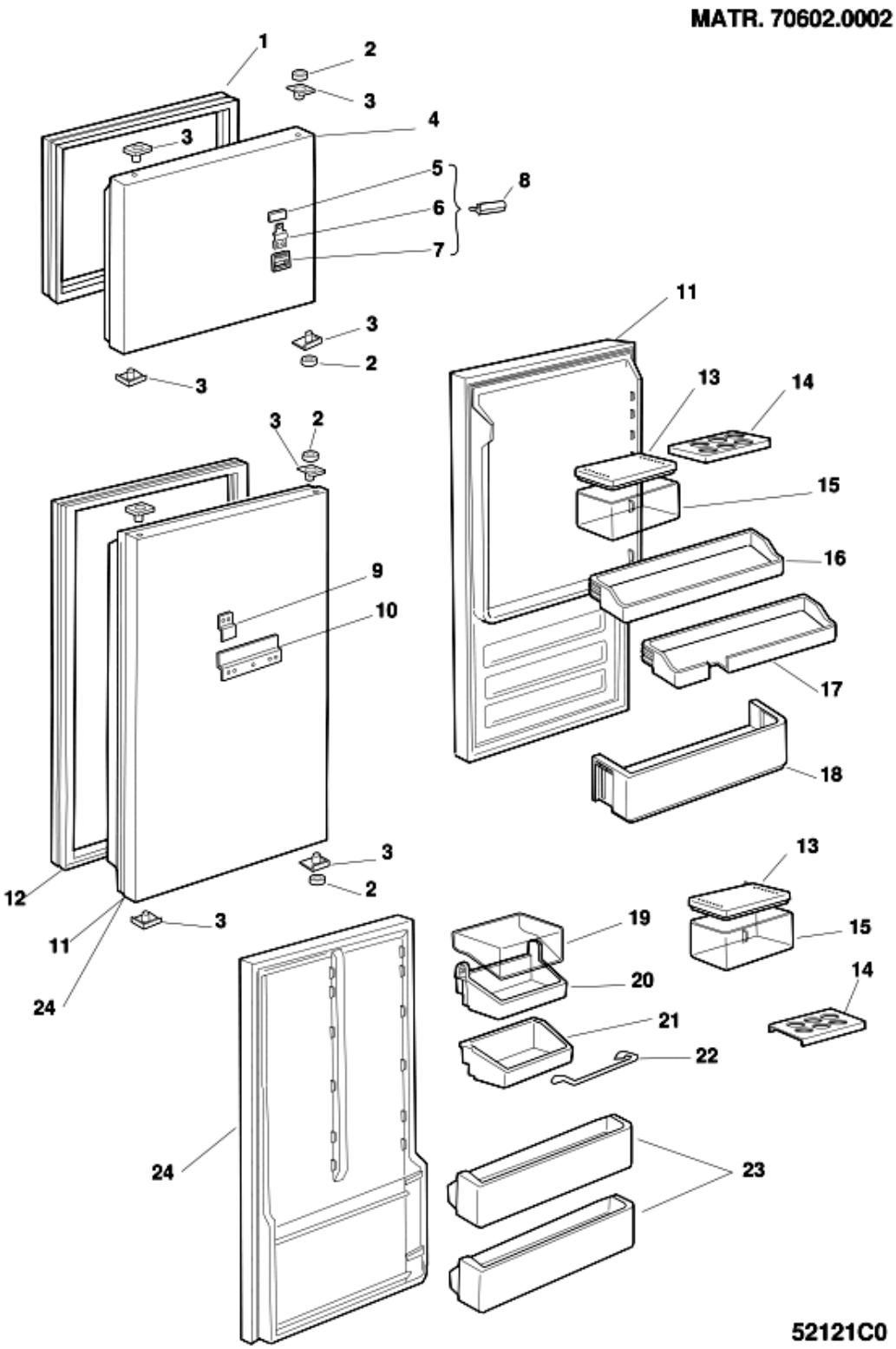
52120j0 Spare parts list

Ref.	Code	From	To S/N	Substitute	Description	Notice	Industrial
000	C00110000				instruction book in-d-290 gai(it)		
001	C00028960				upper front profile (36+11 mm) -		
002	C00028962				hinge pin (m8x8-37)		
003	C00046897				white plastic upper hinge m8		
004	C00028958				plastic washer (12x6,4x14mm) -		
005	C00028964				cover (upper hinge) - white		
006	C00064638		60710...		zinc plate cklamp fixing lateral		
006	C00194025	60711...			zinc plate cklamp fixing lateral		
007	C00075847		61112...	1 x C00196153	central hinge (door 23mm) white		
007	C00109934		61112...		central hinge (pin 38 mm) white		
007	C00196153	61113...			central hinge (door 23mm) zn		
007	C00196292	61113...			central hinge (pin 38 mm) zn		
008	C00031831				white central hinge cover w=97		
009	C00031833				white cover bracket fixing lateral		
010	C00031830				zinc plate cklamp fixing lateral l=		
011	C00098069				wire shelf 403x350 mm white		
012	C00019414		60401...		ice cube tray 215x102x34		
012	C00045973	60402...		1 x C00019414	ice cube tray (260x110x37)	n2511k01	
013	C00003261				ice scraper - white		
014	C00086593				fridge wire shelf (wxh		
015	C00037134			1 x C00034491 1 x C00601775	refrigerator shelf, white 469 mm		
016	C00041705				fixing bracket		
017	C00041709			1 x C00087321	crisper cover w=466x295x4		
018	C00041711			1 x C00143515	white crisper cover section		
019	C00023307				vegetable box, white		
020	C00028969				white vegetable box (wxh		
021	C00032099				hinge pin - top/lower m8x26 zncr		
022	C00046893			1 x C00194606	hinge lower lh/rh - white		
023	C00040939				lower front strip (539x12mm) -		
024	C00028426				foot 12 mm - fixed		
025	C00022198			1 x C00045965	defrost hole cleaner (20x30mm)		
026	C00021590			1 x C00282185	side filler strip-pvc adhesive		
099	C00098073			1 x C00113968	kit x built-in refrigerator	n1030084	47311050000 47311050001

52120j0 Spare parts list

Ref.	Code	From	To S/N	Substitute	Description	Notice	Industrial
099	C00113968				kit x built-in refrigerator		

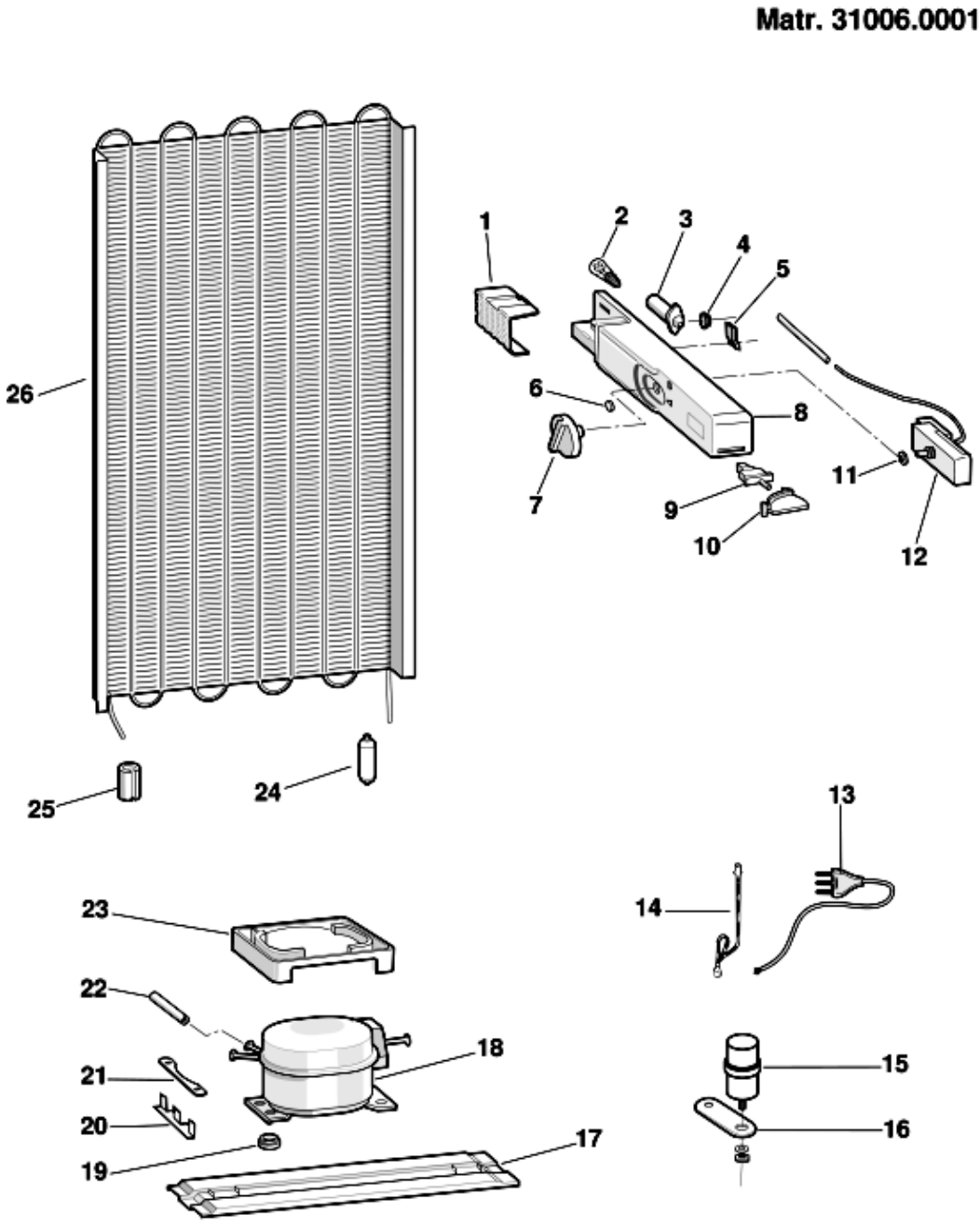
52121c0 Exploded views



52121c0 Spare parts list

Ref.	Code	From	To S/N	Substitute	Description	Notice	Industrial
001	C00083053			1 x C00142517	seal - freezer door (p900)-white		
002	C00022154				plastic washer (12x6,1x3mm) -		
002	C00028928				plastic washer (12x6,4x2 mm) -		
002	C00028951				plastic washer (12x6,1x6mm) -		
003	C00046890				square hinge bush rh (25x25) -		
003	C00046891				square hinge bush lh (25x25) -		
004	C00098422				freezer door assy (534x414x23)	n1025139	
005	C00024535				small cover handle - white		
006	C00024537				small door rail and support handle		
007	C00024536				small handle - white		
009	C00021258			1 x C00113698 1 x C00113700	slide door rail short(wood door	n1030084	
009	C00113700	41002...			guide slide door rail short nylo		
010	C00021259			1 x C00113698 1 x C00113700	slide door rail long(wood door	n1030084	
010	C00113698	41002...			slide door rail long(wood door		
011	C00098464				fridge door assy (534x1148x23) -	n1025139	
012	C00036980			1 x C00142512	seal - fridge door (530x1133		
013	C00022936		01219...	1 x C00283448	cover (small box) - white	n2511b03	
013	C00283448	01220...			butter box lid (180x92) transp.		
015	C00022935		01219...	1 x C00283447	small box colour neutral	n2511b03	
015	C00283447	01220...			butter box (152x50x93mm)		
016	C00023024			1 x C00034139	eggs shelf - white		
016	C00063241				eggs shelf - white (indesit-new)		
018	C00021177				bottle shelf - white		

5212290 Exploded views



5212290 Spare parts list

Ref.	Code	From	To S/N	Substitute	Description	Notice	Industrial
001	C00015387				lamp cover		
002	C00006522				lamp 15w (e14)		
002	C00104712			1 x C00100527	lamp protection		
003	C00009882				lamp socket vossoloh		
004	C00007225				plastic expansion rivet		
005	C00009888				cable clamp		
006	C00022048				blanking plug (10,6mm) - white		
007	C00037731				thermostat knob (centre post) -		
008	C00038631				thermostat box (centre post) -		
009	C00008867				lamp switch		
010	C00025430				push-button (lamp switch) 49,6		
011	C00002516				nut - thermostat(center-post)		
012	C00093416			1 x C00143426	thermostat (c/pta13-		
013	C00008598				mains supply cable 3x0,75		
013	C00094418				stop mains supply cable		
014	C00042302				earth lead		
015	C00090222			1 x C00144815	capacitor 4mf (ducati)		47311050000 47311050001 47311060000 47311060001
015	C00142471				starting capacitor 3mf marcia		47311050102
015	C00278526			1 x C00295105	starting capacitor 3mf marcia p2		47311050002 47311060002 47311060102
016	C00046312				capacitor fixing plate (750908)		
017	C00017721				mounting channel 535mm -		
018	C00094239			1 x C00092270	compr. htk95aa 220-240/50 1/5hp-		47311050000 47311060000
018	C00111232			1 x C00144761	compres. danfos nle10kk4 220-		47311050001 47311050101 47311060001 47311060101
018	C00116715			1 x C00264429	compressor twb1370mjs 220-		47311050002 47311050102 47311060002

5212290 Spare parts list

Ref.	Code	From	To S/N	Substitute	Description	Notice	Industrial
019	C00032453				rubber shock absorber -		
021	C00008471			1 x C00193590	fixing plate - compressor (750908)		
022	C00043021				service pipe with valve (6 nfmssv)		
023	C00046376				defrost tray (stick on) 215x148x25		
024	C00045265			1 x C00266179	filter gr.12 (d.1,95/d.4 mm) gas		
026	C00042379				condenser h=1000x536x26		

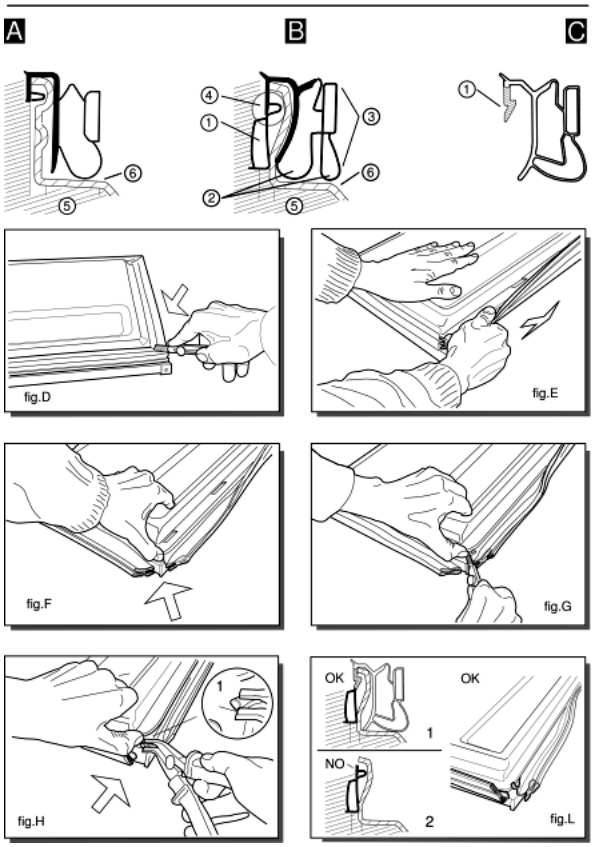
Notices

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

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)

n1025139: Restyling of 290 litre built-in refrigerators (August 2003) (Carinaro)

In August / September 2003, the Carinaro factory modified the shell structure on 290 litre refrigerators, unifying the structure of the freezer compartment with that of the refrigerator. The new freezer compartment shell is made of plastic, whereas the previous version was made of aluminium. The models affected by this modification are the built-in products.
The dimensions of the shell have remained the same, but the evaporating unit has been modified and the compressor replaced (on some models also the thermostat has been replaced). The fan unit of the refrigerator compartment has been replaced on ventilated models.
The restyling has involved using the following items: new central hinge, new brackets for side fixing, new covers for central hinge and bracket covers, new doors that differ from the previous ones in height (new: freezer 534x414 and refrigerator 534x1152; old: freezer 534x405 and refrigerator 534x1145). The freezer door has a new inner door, which has a different internal

profile for greater insulation.
Given below are the codes of the new freezer and refrigerator doors, which are not interchangeable with the previous versions:

098421 - FREEZER DOOR B26/ECOTECH 534X414X23 (EASY ICE) Ariston BD292-293/ Scholtés RD29
098422 - FREEZER DOOR B26/ECOTECH 534X414X23 (NO EASY ICE) Ariston BD291 / Indesit GD290
098056 - FREEZER DOOR B26/GMB/ 534X414X23 (NO EASY ICE) Smeg FR298A-1

098416 - REFRIGERATOR DOOR B26/GB/ECOTECH 534X1152X23 (Ariston BD291-292-293/ Scholtès RD29)
098469 - REFRIGERATOR DOOR WHITE/GIUGIARO 534X1152X23 (Indesit GD290)
098464 - REFRIGERATOR DOOR WHITE/GMB/SMK 534X1152X23 (Indesit IN-D-290G)
098065 - REFRIGERATOR DOOR WHITE/GMB/LUXURY 534X1152X23 (Smeg FR298A-1)

At the end of May 2004, the height of the refrigerator door was reduced by 4 mm (passing from 1152 to 1148 mm), and a new central hinge with longer pins (38 mm) was introduced, to prevent doors from interfering with one another when opened. Following this modification, from June 2004 the new doors only will be available as spare parts, while the two central hinges will continue to be managed separately. When a refrigerator door needs replacing on premodification models, it will be necessary to replace also the central hinge with 32 mm pins (code 075847) with the new hinge (code 109934).

Model codes and commercial codes have remained the same, but the industrial codes have been modified: the last two figures are 50.

Ariston models

BD293V = 47270360050 (R134a) TW1374YS (previously 47270360000) R134a TW1380YS
BD293VS = 47274430050 (R134a) TW1374YS (previously 47274430000) R134a TW1380YS
BD292 = 47277030050 (R134a) TW1374YS (previously 47277030000) R134a TW1380YS
BD292S = 47277040050 (R134a) TW1374YS (previously 47277040000) R134a TW1380YS
BD29AI = 47270460050 (R600a) HTK95AA (previously 47270460000) R134a NLY6F
BD29AIS = 47272690050 (R600a) HTK95AA (previously 47272690000) R134a NLY6F
BD29AIEU = 47268600250 (R600a) HTK95AA (previously 47268602000-0100-0000) R134a NLY6F
BD291 = 47270260050 (R134a) TW1374YS (previously 47270260000) R134a TW1380YS
BD291S = 47272680050 (R134a) TW1374YS (previously 47272680000) R134a TW1380YS

Scholtés models

RD29V = 47282030050 (R134a) TW1374YS (previously 47282030000) R1234a TW1380YS

Indesit models

IN-D-290G = 47074160050 (R134a) TW1374YS (previously 47074160000) R1234a TW1380YS
IN-D-290GSX = 47074170050 (R134a) TW1374YS (previously 47074170000) R1234a TW1380YS
GD290 = 47146020050 (R134a) TW1374YS (previously 47146020000) R1234a TW1380YS

Smeg models

FR298A-1 = 47254070050 (R600a) HTK95AA (previously FR298A 47254070000) R134a NLY6F

n1030084: New sliding blocks for fixing the furniture door to the refrigerator door

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Since October 2004, the Carinaro factory has been using new sliding blocks for fixing the furniture door to the refrigerator door.
The new items are fixed to the side of the refrigerator door, whereas the previous ones were fixed to the front.
The doors are no longer provided with sixteen 2.6 mm holes on the front for fixing the old slides.
The new sliding blocks can also be fitted on premodification models. Proceed as shown in the attached figure (N1030084fig.1).
When replacing the sliding blocks on premodification models it will necessary to replace both guides.
This modification has involved changing the installation KITS

NB - Door spare part codes have not been changed.

New parts

113698 - LARGE NYLON HOLDER SLIDE
113700 - NYLON HOLDER SLIDING GUIDE

Installation kit (models with plastic slides)

C00113967 - REFRIGERATOR INSTALLATION KIT INC. 2/P 290L (10/2004)
C00113968 - REFRIGERATOR INSTALLATION KIT INC. 2/P 290L (10/2004)
C00113970 - REFRIGERATOR INSTALLATION KIT INC. 2/P 240L (10/2004)
C00113971 - FREEZER INSTALLATION KIT INC 1/P 200L (10/2004)
C00113973 - FREEZER INSTALLATION KIT INC 1/P 140L (10/2004)
C00113974 - REFRIGERATOR INSTALLATION KIT INC. 1/P 130L 10/2004)
C00113975 - FREEZER INSTALLATION KIT INC. 2/P 300/330L (10/2004)
C00113977 - REFRIGERATOR INSTALLATION KIT INC.1/P 230L (10/2004)
C00113979 - REFRIGERATOR INSTALLATION KIT INC.1/P 160L (10/2004)
C00113985 - FREEZER INSTALLATION KIT INC 2/P 300L (10/2004)
C00113986 - FREEZER INSTALLATION KIT INC 2/P 300L (10/2004)
C00113987 - FREEZER INSTALLATION KIT INC 2/P 240L (10/2004)
C00113988 - REFRIGERATOR INSTALLATION KIT INC.1/P 300L (10/2004)
C00113989 - REFRIGERATOR INSTALLATION KIT INC.1/P 300L (10/2004)

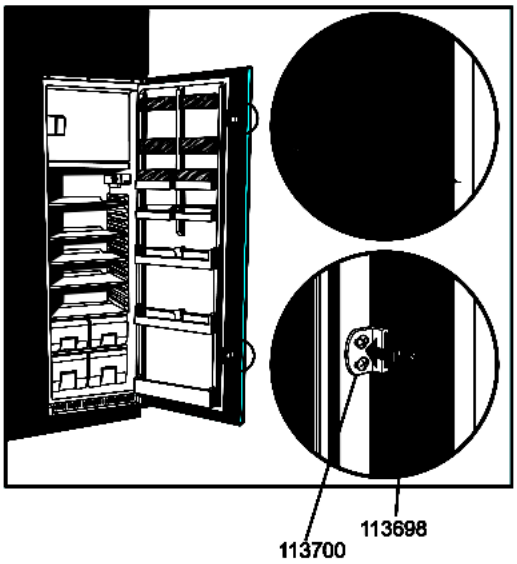
Parts replaced

021258 - SMALL WHITE SLIDE + COVER
021259 - WHITE SLIDE

Installation kit (models with metal slides)

C00086715 - REFRIGERATOR INSTALLATION KIT INC. 2/P 290L
C00098073 - REFRIGERATOR INSTALLATION KIT INC. 2/P 290L
C00087316 - REFRIGERATOR INSTALLATION KIT INC. 2/P 240L
C00076894 - FREEZER INSTALLATION KIT INC 2/P 300/330L
C00091094 - FREEZER INSTALLATION KIT INC 2/P 330L
C00087359 - FREEZER INSTALLATION KIT INC 1/P 140-200L
C00087359 - REFRIGERATOR INSTALLATION KIT INC 1/P 130L
C00087359 - REFRIGERATOR INSTALLATION KIT INC.1/P 230L
C00087359 - REFRIGERATOR INSTALLATION KIT INC.1/P 160L
C00084964 - FREEZER INSTALLATION KIT INC 2/P 300L
C00090106 - FREEZER INSTALLATION KIT INC 2/P 240L
C00089574 - REFRIGERATOR INSTALLATION KIT INC.1/P 300L

N130084FIG1



n2511b03: COLOR CHANGE BUTTER BOX AND COVER

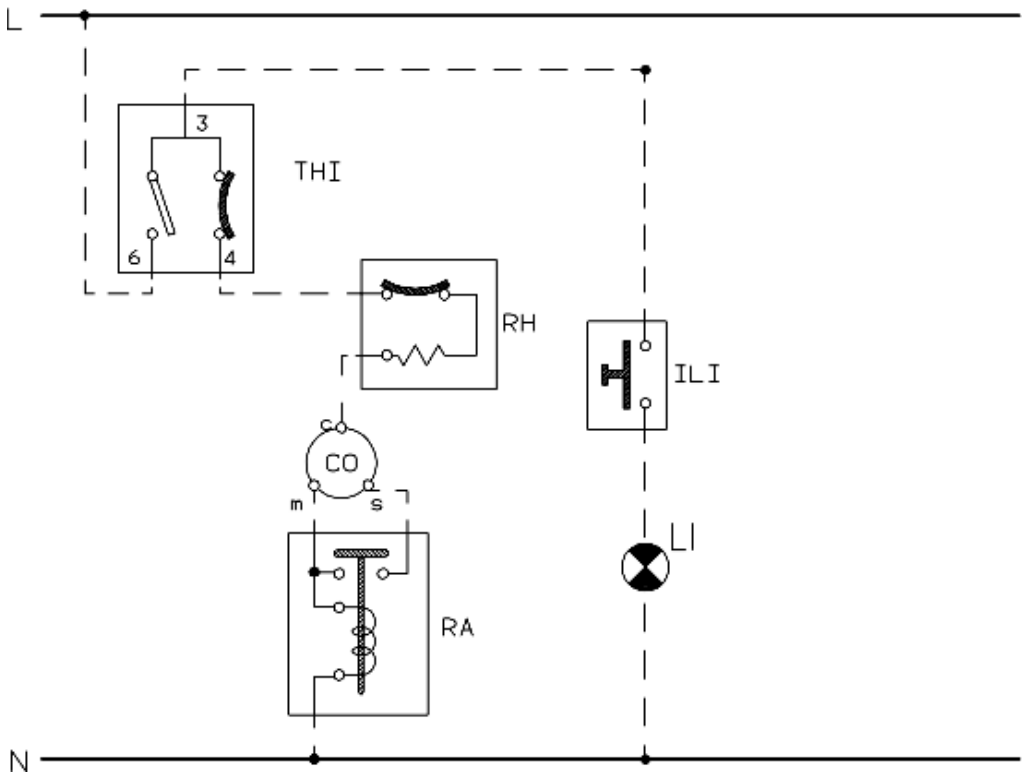
Only transparent will be managed

n2511k01: ICE TRAY STANDARDIZATION

Ice tray has been standardized in order to manage only 12cubes version.

Electric schemes and links

Cod. 521005b



Legend

Legend: 521005b

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