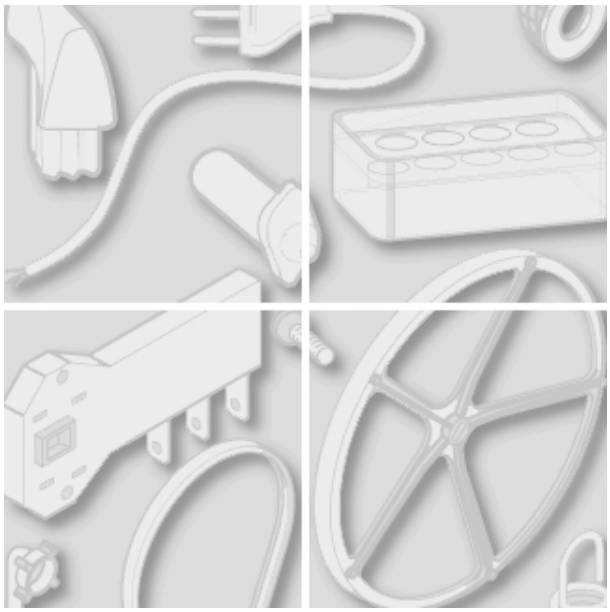
INDESIT company



Model type:
MTB45D2NF

Commercial code:
F027625

# General notes

## Technical Documentation guidelines

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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:

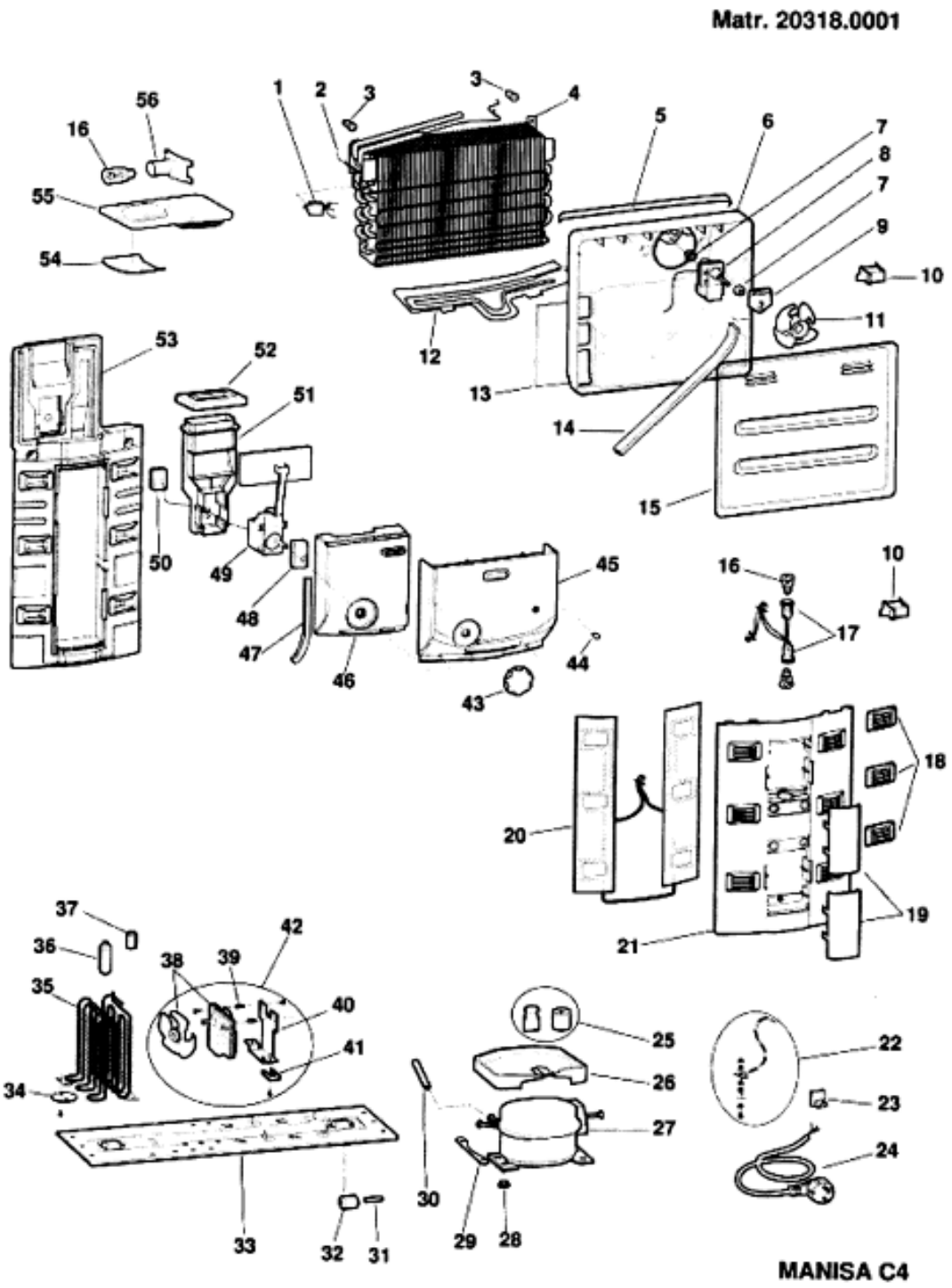
REF: reference no of spare into a table; SUBSTITUTE: list of spare(s) which can replace a code but that keeps same functional characteristics

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

RE0203T0 Exploded views



RE0203T0 Spare parts list

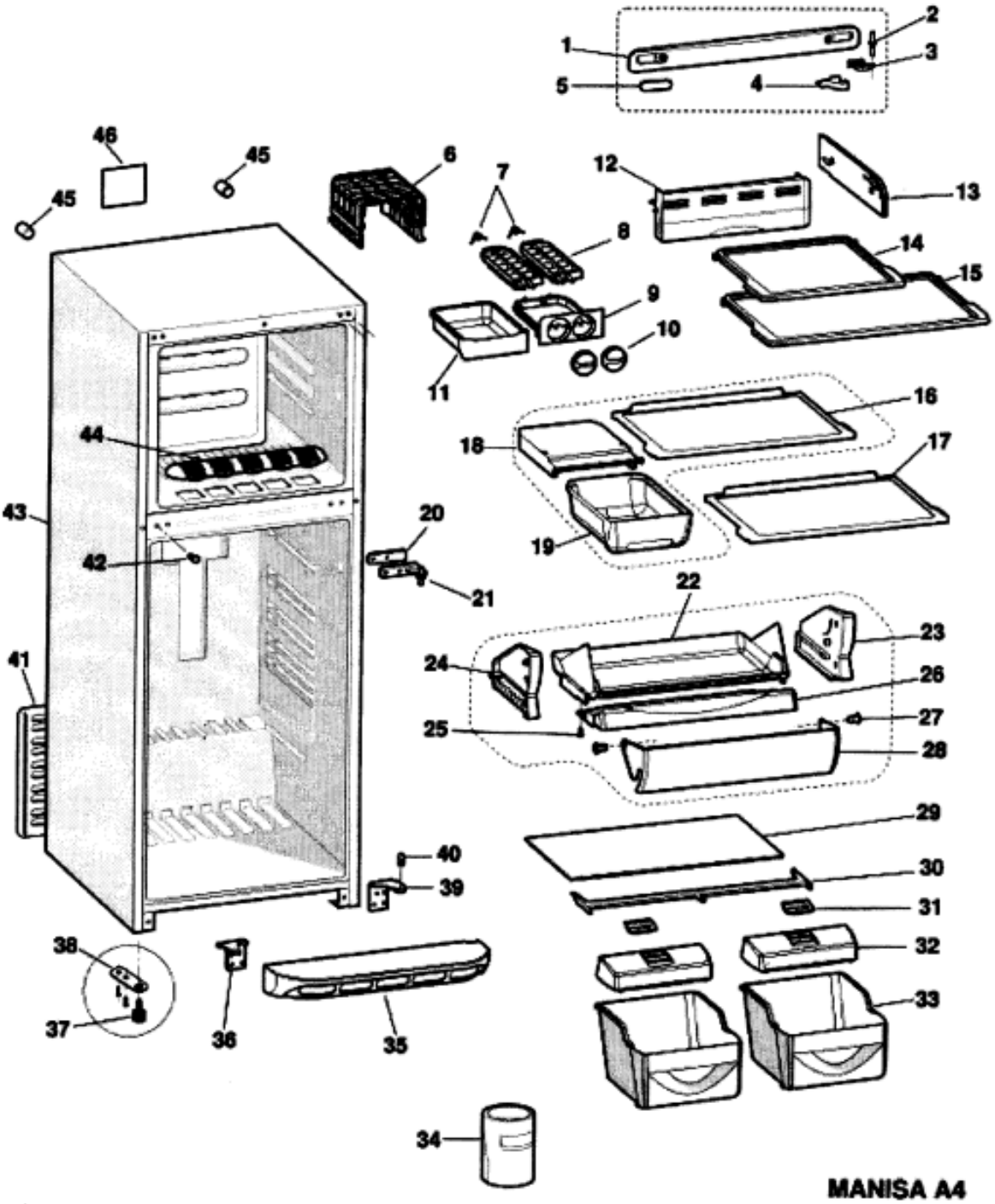
| Ref. | Code | From | To S/N | Substitute | Description | Notice | Industrial |
|---|---|---|---|---|---|---|---|
| 001 | C00092575 | 30505... | 81120... | 1 x C00196988 | thermofuse tf041001 double | 0999333 | |
| 001 | C00174971 | | 30504... | | thermo fuse assy. l70nf | 0999333 | |
| 002 | C00173767 | | 81120... | 1 x C00271378 | fin evap heater r:1 450nf | | |
| | | | | 1 x C00277213 | | | |
| | | | | 1 x C00277223 | | | |
| 002 | C00271378 | 81121... | | | kit evap.nf heater+thermal fuse | | |
| 004 | C00174511 | | | | f-o-t evaporator 450nf (df460nfl) | | |
| 005 | C00175004 | | | | fin evap cover assy. | | |
| 006 | C00173745 | | | 2 x C00118565 | fin evap.cover 450nf | | |
| | | | | 1 x C00119866 | | | |
| | | | | 1 x C00141013 | | | |
| 007 | C00174183 | | | 1 x C00025215 | rubber mounting for fan motor | | |
| 008 | C00174380 | | | | fan motor c09r1829(with | 0999360 | |
| 009 | C00174379 | | | | fan mes motor bracket-freezer | | |
| 010 | C00032387 | | | | lamp switch - n/c 250v | | |
| 011 | C00174381 | | | | impeller mes f61-10 | | |
| 012 | C00174442 | | 81120... | | heating element defrost 450nf | | |
| 012 | C00274394 | 81121... | | 1 x C00277213 | heating element defrost | | |
| 012 | C00277213 | 81121... | | | heating element drain defrost | | |
| 015 | C00174886 | | | | freezer back cover assy. | | |
| 016 | C00170367 | | | 1 x C00006522 | lamp 220/240v 15w e14 | | |
| 017 | C00174893 | | | | wiring assy. lamp | | |
| 019 | C00174888 | | | | lamp cover-fridge | | |
| 020 | C00174894 | | | | multiflow rezistance l70 | | |
| 021 | C00174892 | | | 1 x C00117124 | multi-flow cover l70 arst | | |
| 022 | C00170448 | | | 1 x C00173194 | grounding wiring harness(new) | | |
| 024 | C00170451 | | | 1 x C00170446 | power cord | | |
| 026 | C00174703 | | | | evaporating tray tecumseh'manisa' | | |
| 027 | C00174631 | | | 1 x C00059130 | compressor nly7f 220-240/50 | | 81276250001 |
| 027 | C00174632 | | | 1 x C00058961 | relay - thermal protector assy. | | 81276250001 |
| 027 | C00174704 | | | 1 x C00066259 | compr. tw1390ys-tw160ws | n1025138 | 81276250000 |
| 027 | C00174706 | | | 1 x C00066261 | relay-thermal protector assy. | | |
| 028 | C00174883 | | | | plastik rubber for compressor | | |
| 029 | C00172143 | | | 1 x C00008471 | fixing plate - compressor | | |
| 030 | C00043021 | | | | service pipe with valve (6 nfmssv) | | |

RE0203T0 Spare parts list

| Ref. | Code | From | To S/N | Substitute | Description | Notice | Industrial |
|---|---|---|---|---|---|---|---|
| 030 | C00173135 | | 91022... | | charging pipe (6x90x1) | | |
| 030 | C00277029 | 91023... | | | charging pipe 6x0.71x115mm | | |
| 031 | C00172505 | | | | rear whell pin | | |
| 032 | C00173702 | | | 1 x C00116366 | rear wheel(450) r:1 | | |
| 033 | C00173889 | | | | compressor basement | | |
| 034 | C00174884 | | | | plastyk support for condenser | | |
| 035 | C00174283 | | | | condenser etdf450nf danf. | | |
| 036 | C00174310 | | | 1 x C00042334 | drier (r134a) | | |
| 037 | C00174882 | | | 1 x C00037341 | antivibration plastik | | |
| 038 | C00174705 | | | | motor mes f61-12 (with terminal) | | |
| 040 | C00174383 | | | | motor bracket etch/common | | |
| 041 | C00172190 | | | | top rubber mount-fan bracket | | |
| 043 | C00174974 | | | | damper thermostat knob decorated | | |
| 045 | C00090287 | | | | multiflow upper cover | | |
| 046 | C00174943 | | | | front damper cover | | |
| 048 | C00173765 | | | 1 x C00093844<br>1 x C00094342<br>1 x C00094343 | sponge(3 pieces)automod | | |
| 049 | C00090675 | | | | adhesive small spogne (lxhxd) | | |
| 049 | C00092779 | | | 1 x C00095873 | damper thermostat atea d 1089 | | |
| 049 | C00174897 | | | 1 x C00095873 | damper thermostat atea d1085 | n1025122 | |
| 050 | C00173765 | | | 1 x C00093844<br>1 x C00094342<br>1 x C00094343 | sponge(3 pieces)automod | | |
| 051 | C00174942 | | | 1 x C00117122 | multiflow air inlet | | |
| 052 | C00174941 | | | | sponge (8*8*230) | | |
| 053 | C00174944 | | | 1 x C00145712 | multiflow styrofoam | | |
| 054 | C00173684 | | | | lamp cover-freezer 450xlnf | | |
| 055 | C00173685 | | | | lamp cover box (freez)450xlnf | | |
| 056 | C00173751 | | | | lamp socket(eltek e/4)450nf | | |

RE0204T0 Exploded views

RE0204T0



RE0204T0 Spare parts list

| Ref. | Code | From | To S/N | Substitute | Description | Notice | Industrial |
|---|---|---|---|---|---|---|---|
| 000 | C00089866 | | | | user instruction booklet | | |
| 001 | C00089876 | | | | head panel painted met. | | |
| 002 | C00174585 | | | 1 x C00291506 | upper hinge pin r45 | | |
| 002 | C00174959 | | | 1 x C00081844 | perno vfd | | |
| | | | | 1 x C00087655 | | | |
| 003 | C00098243 | | | | upper hinge (m8) lh cromed | 0999359 | |
| 003 | C00174898 | | | | upper hinge (m8) rh-lf cromed | 0999359 | |
| 003 | C00174960 | | | 1 x C00174898 | upper hinge plastic dx | | |
| 003 | C00174963 | | | 1 x C00098243 | upper hinge plastic sx | | |
| 004 | C00112271 | | | 1 x C00112009 | upper hinge cover sx pantone423 | 0999359 | |
| 004 | C00112305 | | | 1 x C00112011 | upper hinge cover rh pantone423 | | |
| 004 | C00175044 | | | | upper hinge cover sx ix | | |
| 004 | C00175045 | | | 1 x C00089872 | upper hinge cover dx ix | | |
| 005 | C00175046 | | | 1 x C00082004 | head panel cover plug (without | | |
| 005 | C00175047 | | | | head panel cover plug (with hole) | | |
| 006 | C00174940 | | | | icemaker holder | | |
| 007 | C00174938 | | | | icemaker spring | | |
| 008 | C00174937 | | | | icemaker | | |
| 009 | C00174934 | | | | ice tray frame | | |
| 010 | C00174939 | | | | icemaker knob | | |
| 011 | C00174933 | | | | ice tray l70nf | | |
| 012 | C00174992 | | | | super freezer cover | | |
| 013 | C00174993 | | | | super freezer cover holder plastic | | |
| 014 | C00174994 | | | | super freezer shelf | | |
| 015 | C00174917 | | | | transparent shelf-frz. | | |
| 016 | C00174924 | | | | glass shelf (with slide) l70 | | |
| 017 | C00174920 | | | 1 x C00116356 | glass shelf - fridge l70 arst | | |
| 018 | C00174923 | | | 1 x C00081962 | meat box cover (glass shelf) | | |
| 019 | C00174925 | | | | meat box l70 arst. | | |
| 020 | C00173211 | | | | middle hinge bottom pls. | | |
| 021 | C00175039 | | | 1 x C00174698 | middle hinge | | |
| 022 | C00174929 | | | | chiller box arst l70nf | | |
| 023 | C00174927 | | | | chiller slide rh l70nf | | |
| 024 | C00174926 | | | | chiller slide lh l70nf | | |
| 025 | C00174932 | | | | screw chiller | | |

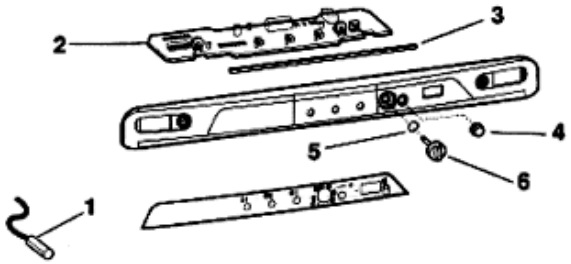
RE0204T0 Spare parts list

| Ref. | Code | From | To S/N | Substitute | Description | Notice | Industrial |
|---|---|---|---|---|---|---|---|
| 027 | C00174928 | | | 1 x C00081982 | pin for chiller cover arst | | |
| 028 | C00174931 | | | | chiller box cover l70 | | |
| 029 | C00174964 | | | | crisper glass l70 | | |
| 030 | C00174918 | | | | crisper glass profile | | |
| 031 | C00174965 | | | | crisper cover slide l70arst | | |
| 032 | C00174922 | | | 1 x C00263756 | crisper cover l70 arst | | |
| 033 | C00174919 | | | | crisper | | |
| 034 | C00174732 | | | 1 x C00081912 | fridge for bottle (eutectic) manisa | | |
| 035 | C00175048 | | | | kick plate met l70 | | |
| 036 | C00089868 | | | 1 x C00174978 | scharnier unten links | | |
| 037 | C00089686 | | | | adjustable foot assy. silver m8 | 0999357 | |
| 038 | C00174377 | | | 1 x C00089682 | bottom support adjustable foot | | |
| 039 | C00110522 | | | | bottom hinge assembly argento | 0999357 | |
| 039 | C00174899 | | | | lower hinge rh. | | |
| 040 | C00172138 | | | | hing pin / lower | | |
| 041 | C00173891 | | | | bottom back cover | | |
| 044 | C00173753 | | | | air grid-freezer 450nf | | |
| 045 | C00174930 | | | | plastik stoper-chiller box | | |
| 046 | C00089867 | | | | elektr. schema aufkleber | | |
| 050 | C00254345 | | | | drain pipe- | | |

RE0205T0 Exploded views

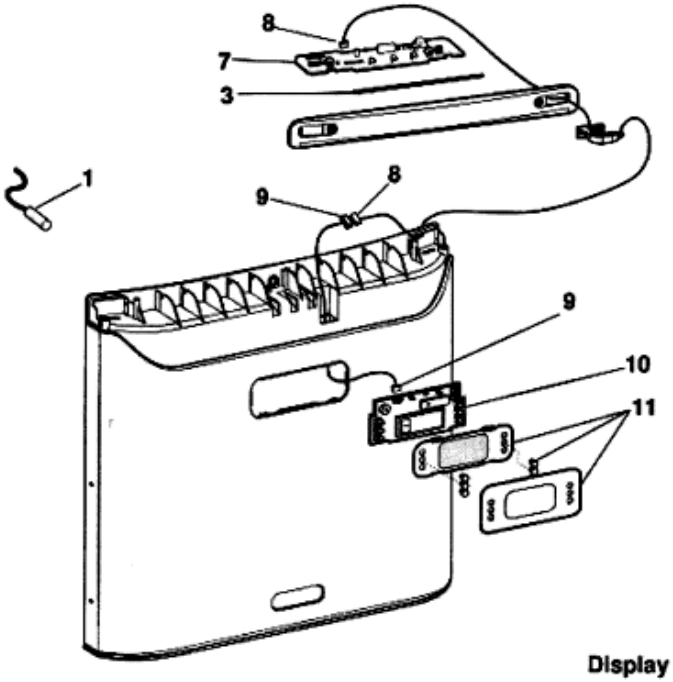
**Matr. 20318.0001**

**L70 NF 2digit model**




**Evolution**

**70 NF VFD/FIP model**




**Display**

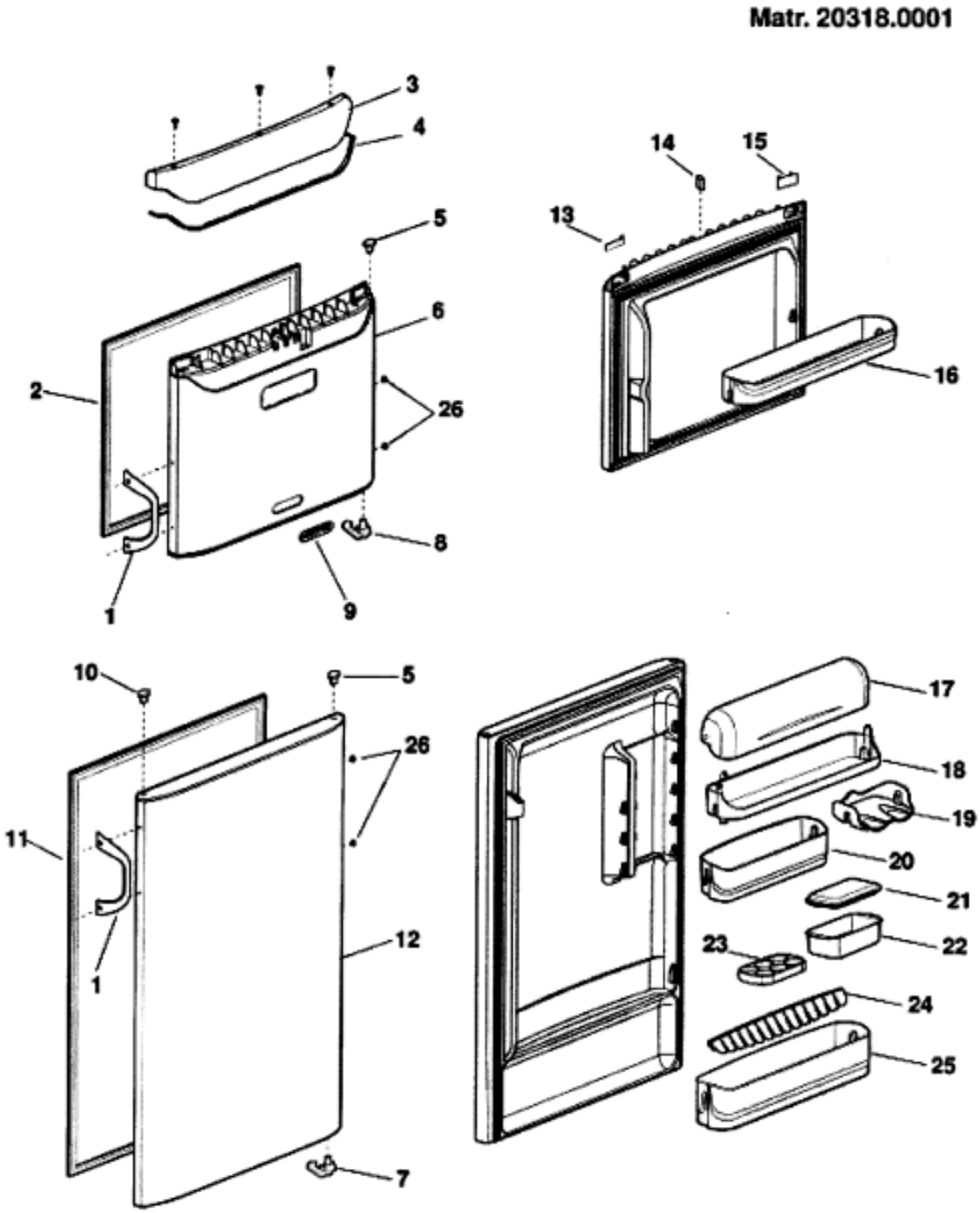
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**MANISA D1**

RE0205T0 Spare parts list

| Ref. | Code | From | To S/N | Substitute | Description | Notice | Industrial |
|---|---|---|---|---|---|---|---|
| 001 | C00174976 | | | 1 x C00092208 | temperature sensor assy | | |
| 007 | C00089830 | | | 1 x C00143691 | electronic card 70nf vfd rohs +not | n1025144<br>n1030060 | |
| 008 | C00087657 | | | 1 x C00081844 | wiring control panel-top | | |
| 009 | C00093812 | | | | wiring fridge-door (display) | | |
| 010 | C00174952 | | | | scheda elet. display l70nf | | |
| 011 | C00089875 | | | | display cover logo b27 | | |
| 011 | C00095712 | | | 1 x C00115416 | button aluminium (display) | 0999338 | |
| 011 | C00095980 | | | | display cover (oval) | 0999338 | |
| 011 | C00096190 | | | | display cover logo grey | 0999338 | |
| 011 | C00174953 | | | | display cover l70nf vfd | | |
| 011 | C00175006 | | | | display knob | | |
| 012 | C00174949 | | | 1 x C00075612 | magnet | | |

RE0206T0 Exploded views



RE0206T0 Spare parts list

| Ref. | Code | From | To S/N | Substitute | Description | Notice | Industrial |
|---|---|---|---|---|---|---|---|
| 002 | C00174900 | | | 1 x C00091244<br>1 x C00092889 | magnetic seal upper door mt40/45 | n3012i00 | |
| 003 | C00175049 | | | | upper door head panel inox | | |
| 004 | C00172198 | | | 1 x C00172200 | hinge bush / lower door | | |
| 004 | C00174950 | | | 1 x C00174903<br>1 x C00174999 | upper door strip for panel | | |
| 005 | C00173188 | | | | hinge bearing / lower door | | |
| 006 | C00175050 | | | 1 x C00117991 | insulated upper door inox vfd i | | |
| 007 | C00174817 | | | | door stop bush rh - fiat647 | | |
| 007 | C00174821 | | | | door stop bush lh - fiat647 | | |
| 008 | C00174814 | | | | upper door auto-locking right | | |
| 008 | C00174820 | | | | upper door auto-locking left | | |
| 009 | C00175001 | | | 1 x C00082003 | logo (door) arst allum. | | |
| 010 | C00175051 | | | | hinge bush plug | | |
| 011 | C00117019 | 20910... | | | magnetic seal lower door mt | | |
| 011 | C00174968 | | 20909... | 1 x C00092889<br>1 x C00117019 | door seal (lower door ) mt45nf | n3012i00 | |
| 012 | C00175052 | | | 1 x C00117789 | insulated lower door ix mt45nf | | |
| 014 | C00174949 | | | 1 x C00075612 | magnet | | |
| 015 | C00175053 | | | | upper door head panel plug | | |
| 016 | C00174921 | | | | door shelf-fridge l70 | | |
| 017 | C00174916 | | | | upper shelf cover | | |
| 018 | C00174912 | | | | upper shelf l70 arst | | |
| 019 | C00174915 | | | | can shelf | | |
| 020 | C00174913 | | | | door shelf middle | | |
| 021 | C00174935 | | | 1 x C00081938<br>1 x C00094298 | butter box lid l70 | | |
| 022 | C00174936 | | | 1 x C00081938<br>1 x C00094298 | butter box (152x50x98) blue | | |
| 023 | C00174910 | | | 1 x C00081953 | egg holder (for 6 eggs) l70 arst | | |
| 024 | C00174911 | | | 1 x C00081955 | bottle holder l70 arst | | |
| 025 | C00174914 | | | | bottle shelf | | |

Notices

## 0999323: DAMPER THERMOSTAT

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Since 20.01.2003 92779 (ATEA D 1089) thermostat will be used on electronic no frost models for the turkish market and all no frost models (electr. + mech.) for europian market. Temperature in the fridge section was too high and this is the reason why new thermostat is used.

174897 - old (ATEA D 1085)
Min -1,5°C
Max -15,5°C

92779 - new (ATEA D 1089)
Min +2,0°C
Max -14,0°C

## 0999324: USAGE OF NLY7F COMPRESSOR

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Instead of NLY7FK.2 compressor, NLY7F compressor (174631) will be used on belew models as a technical variation. Due to the this reason industrial codes have changed as below;
81276220001
81278710001
81276250001
81276210001
81278700001
81276230001
81276240001

## 0999333: new double thermofuse

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Since 05/05/2003 new double thermofuse will be used on all electronic no-frost models
old codenew code

17497192575

Since 21/11/2008 will be managed kit C00271378

## 0999338: OVAL DISPLAY KNOB

---

Since 09-07-2003 display knob shape has been modified. Below new parst heve been used on VFD no-frost models;
White models (MT45D1 - MTB45D1)
OLD PARTS
174953 - display cover
174954 - display knob
174955 - display cover logo
NEW PARTS
95980 - display cover oval
95713 - display knob oval
95975 - display cover logo

Inox models (MT45D2 - MTB45D2)
OLD PARTS
174953 - display cover
175006 - display knob grey
89875 - display cover logo
NEW PARTS
95980 - display cover oval
95712 - display knob oval
96190 - display cover logo

## 0999357: plastic compressor basement

---

Plastic compressor basement will be used on refrigerators since this reason adjutable foot and except single door bottom hinge have been changed. New hinge will be managed with a new code. The new bottom hinge can be used on both left and right sides.

New adjustable foot;
89682- white
89686- black

New bottom hinge assembley with adjustable foot;
110081- white
110522 - black

## 0999359: new metal hinge usage

---

A modification has been done on plastic hinges that are used on electronic Opera L70 models on 21/06/2004. New metal hinges are used instead of plastic ones. You can find below old and new part codes for reversing the door.

METAL HINGE USAGE (NEW)
172200Hinge bush 5*19.5 mm
174585Upper hinge pin

METAL UPPER HINGE (NEW)
174898metal upper hinge right / (metal)
98243metal upper hinge left / (metal)

HINGE COVER (NEW)
112229upper hinge cover right / white
112230upper hinge cover left / white
112271hinge cover left / pantone 423
112305hinge cover right / pantone 423
112009hinge cover left / inox
112011hinge cover right / inox

PLASTIC HINGE USAGE (OLD)
26353hinge bush 1mm
174959upper hinge pin

PLASTIC UPPER HINGE (OLD)
174960plastic upper hinge / right
174963plastic upper hinge / left

hinge cover (OLD)
174962hinge cover right / white
89855hinge cover / white
110525hinge cover / pantone 423
175045hinge cover left / pantone 423
175044hinge cover left / inox
89872hinge cover right / inox

## 0999360: modification on freezer fan motor

---

Since 01 July 2004 freezer fan motor has been modified to reduce noise level on no frost models that are produced in Manisa plant. (Old fan motor has grey cover, new fan motor has light green cover.) Spare part code remains the same. If you replace the old fan motor with the new fan motor, rubber for fan has to be replaced with the new one and sponge should not be used with the new fan motor.

## n1025122: Refrigerator compartment temperature too

---

The technicians are finding too cold temperatures in the refrigerator compartment in products in use, even when the thermostat is

set to minimum (values between 0°C and -2°C).
This problem is solved by operating directly on the damper, increasing the thickness of the sponge mounted on the plate in order to provide a good seal.
An adhesive closed-cell polyethylene sponge of density 30-35 kg/m3 and thickness 8 mm was used successfully in the laboratory tests.
This sponge must be adapted to the size (75x45 mm) of the black sponge already installed on the damper plate, and which must not be removed.
Before making the modification always check that the plate opens and closes by operating the temperature knob, otherwise also replace the damper.

## n1025144: Power card alternative on full no frost 450 litre refrigerators with display

---

Since 14th June 2004, the Manisa factory has been using new power cards on full no frost 450 litre refrigerators with display, as an alternative to the previous cards.
These cards are interchangeable, but have different codes (PN).
Given below are the modified codes:

Models MTB45D1NF -MTB45D2NF (IT-UK-FR-SP-GR markets)
089830 - 16200052006 = Magnetek 4084.02/Green (first version)
089830 - 16200100100 = Magnetek 4303.02/Green (second version)
089830 = 143691 rohs

Models MT45D1NF -MT45D2NF (TK market)
093957 - 16200060604 = Magnetek 4084.02/Yellow (first version)
093957 - 16200100200 = Magnetek 4303.02/Yellow (second version)
093957 = 143692 rohs

## n1030060: Self-test for initialising the new electronic power cards

---

On Ariston-Opera-60/70 and Indesit 2000 range electronic models, including 2000 range built-in fridge-freezers, it is very important to do the self-test whenever the power card is replaced.
This must be done to check correct operation of the card and to correctly initialise the algorithms.

If the SELF-TEST is not carried out on Partial no-frost and Total no-frost (double door or free standing/built-in fridge-freezers) models, the first defrost cycle will not be executed correctly; it will be carried out only 30 days after card replacement.

The list of relevant Sat codes with information sheet for the self-test is attached to this note.

089830 = (143691 rohs)CARD 4084-02/GREEN 70-nf vfd/fip
089831 = (143683 rohs) CARD 4085-02/pink (L70NF 2 digits)
095779 = (143693 rohs)CARD (MAGNETEK 4087/GREEN) 220-240/50
094383 - CARD (MAGNETEK 4088/ORANGE) 220-240/50
095711 - CARD PANEL.4087/YELLOW DISPLAY VERS.

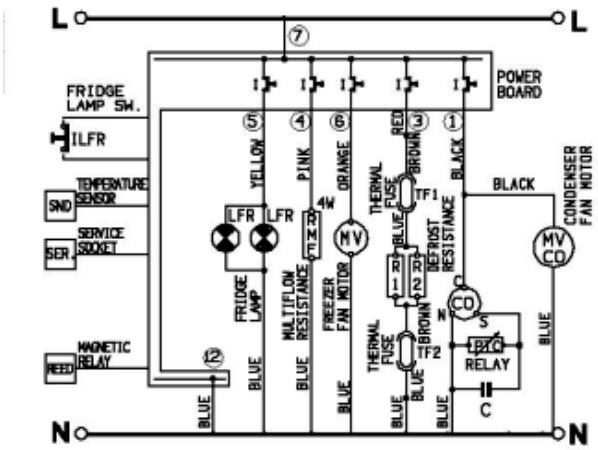
089759 - CARD (MAGNETEK 4083/PINK) 220-240/50
096661 = (143689 rohs) CARD PANEL. 4068/PURPLE (L70NF ARS/IND.)
098024 = (143091 rohs) CARD (MAGNETEK 4083/PINK) 220-240/50 REPLACED

n3012i00:

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Electric schemes and links

Cod. 999021b



# Legend

Legend: 999021b