

# **F I S H E R & P A Y K E L**

## **REFRIGERATOR FREEZER**

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**E402BLXFD5 FP AA**

**PRODUCT CODE: 25512-C**

**PARTS MANUAL**

**AA**

# INTRODUCTION

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BRAND	VOLTAGE	MODEL	PRODUCT CODE
Fisher & Paykel	220-240V 50Hz	E402BLXFD5 FP AA	25512-C

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## MODELS

The models covered by this manual are listed on the front cover.  
The information detailed in this manual is subject to change without notice. The latest version is indicated by the reprint date and replaces any earlier editions.

## KIT PARTS

Where a part number is shown against the descriptions for kit components, they are also available as separate items. In addition, some parts may be supplied with these kits that are not available as separate items, and are therefore either not listed, or a part number is not shown against the part description in this manual.

## PARTS LIST KEY

<b>NI</b>	As a part reference, indicates the part is not illustrated on the diagram.
<b>NOT USED</b>	As a part number, indicates the diagram part reference is not used in this manual.
<b>NS</b>	As a part number, indicates the part is not servicable.

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### AU

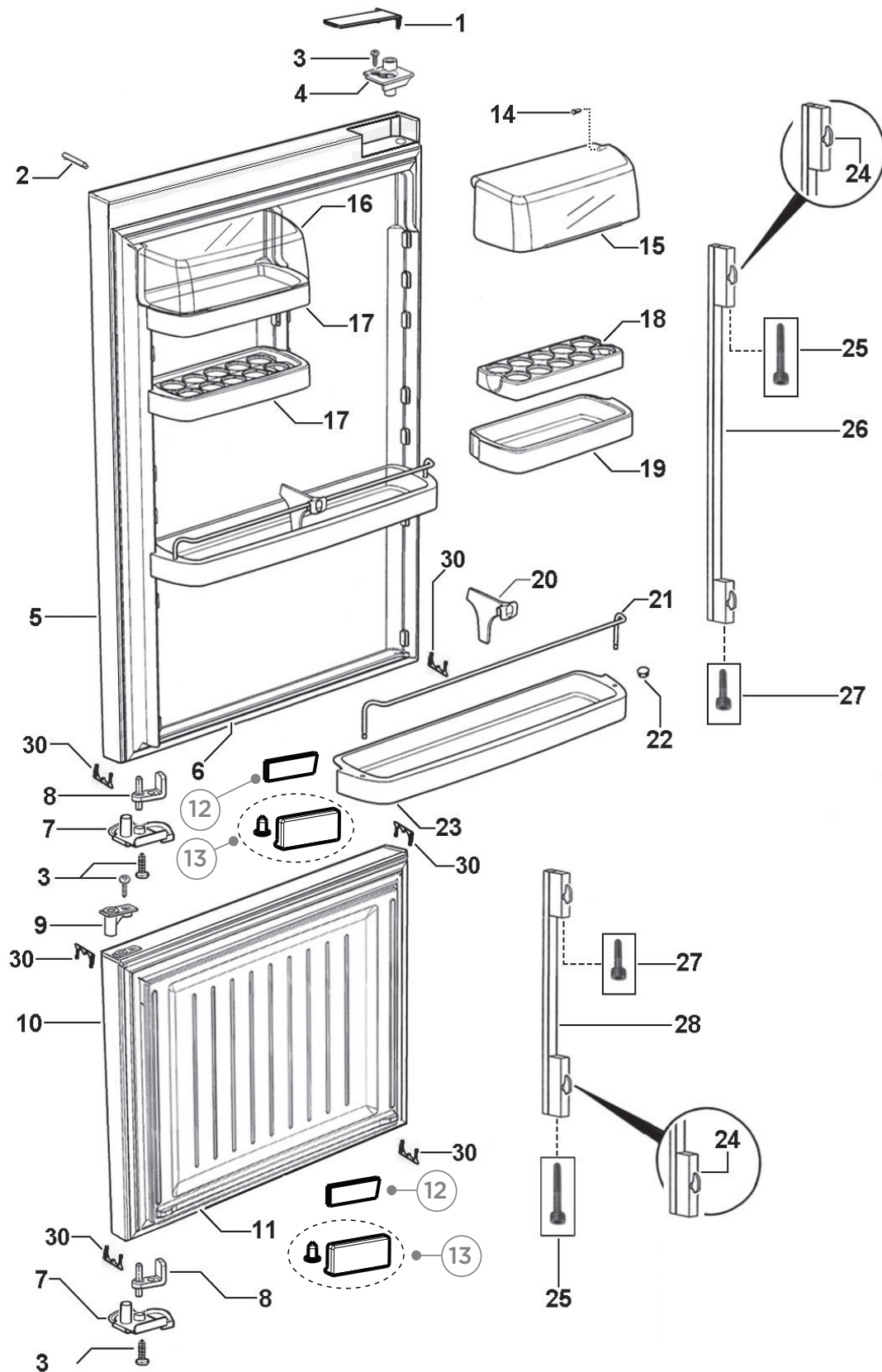
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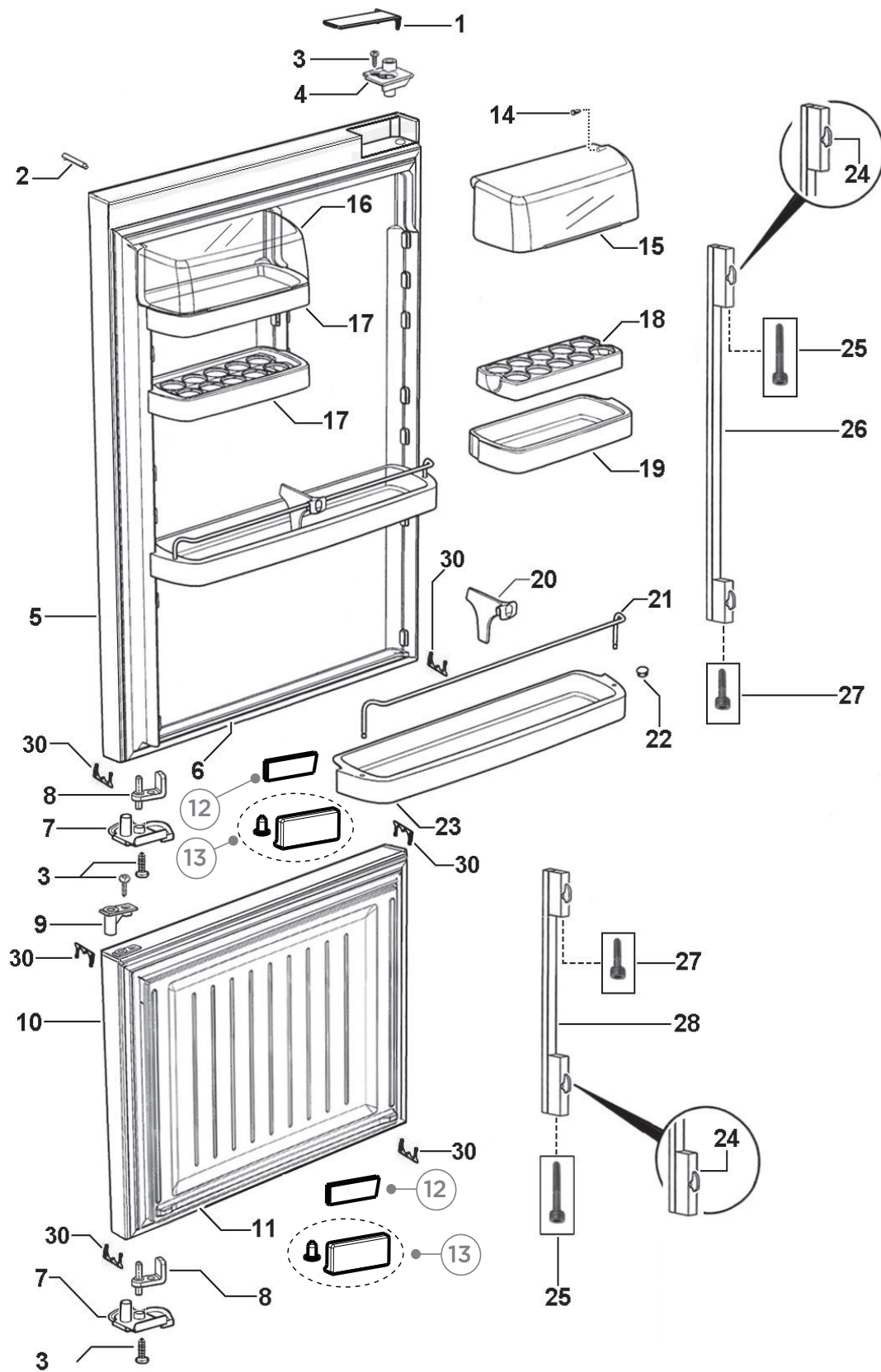
# DOOR COMPONENTS



## DOOR COMPONENTS

REFERENCE	PART NUMBER	PART DESCRIPTION
<b>1</b>	<b>820957</b>	COVER DOOR HINGE LH
<b>2</b>	<b>860419</b>	TRIM DOOR DESIGNER X
<b>3</b>	<b>817825P</b>	SCREW #8X22 WAFER PH ST TV (PKT 10)
<b>4</b>	<b>820958</b>	BEARING HINGE WATER LH
<b>5</b>	<b>865701P</b>	DR PC 790X1052 F SX2 W RH HSW
	Includes 864803	MAGNET HALL SW 10X30
	Includes 864794	COVER MAGNET DOOR GR
	Includes	GASKET FRAME E402B PC
<b>6</b>	<b>821099P</b>	GASKET FRAME E402B PC
<b>7</b>	<b>842240</b>	CLOSING HOOK DR STOP LH GR M90
<b>8</b>	<b>814537</b>	DOOR STOP ASSY
<b>9</b>	<b>813931</b>	BEARING HINGE TOP DOOR FLAT
<b>10</b>	<b>865684P</b>	DR FC 635X610 F SX2 LH HSW
	Includes 864803	MAGNET HALL SW 10X30
	Includes 864794	COVER MAGNET DOOR GR
	Includes	GASKET FRAME E402B E372B FC
<b>11</b>	<b>821100P</b>	GASKET FRAME E402B E372B FC
<b>12</b>	<b>864803</b>	MAGNET HALL SW 10X30
<b>13</b>	<b>864794</b>	COVER MAGNET DOOR GR
	Includes	SCREW ST 8X5/16 TAB MTS PH NP
<b>14</b>	<b>871123P</b>	PLUG/PIN HINGE DAIRY COVER (PKT 2)
<b>15</b>	<b>315017</b>	KIT COVER DOOR SHELF 635
	Includes	COVER DOOR SHELF CLEAR LH
	Includes	COVER DOOR SHELF CLEAR RH
<b>16</b>	<b>315017</b>	KIT COVER DOOR SHELF 635
	Includes	COVER DOOR SHELF CLEAR LH
	Includes	COVER DOOR SHELF CLEAR RH
<b>17</b>	<b>874973</b>	SHELF DOOR SML LH 635 WHITE
<b>18</b>	<b>876719</b>	SHELF EGG RACK 635
<b>19</b>	<b>874974</b>	SHELF DOOR SML RH 635 WHITE
<b>20</b>	<b>883121</b>	DIVIDER BOTTLE RAIL WHITE
<b>21</b>	<b>818849</b>	RAIL BOTTLE SUPPORT 635 SL
<b>22</b>	<b>876281P</b>	PLUG DOOR SHELF WHITE (PKT 2)
<b>23</b>	<b>883941</b>	SHELF DOOR LGE 635 WHITE

# DOOR COMPONENTS

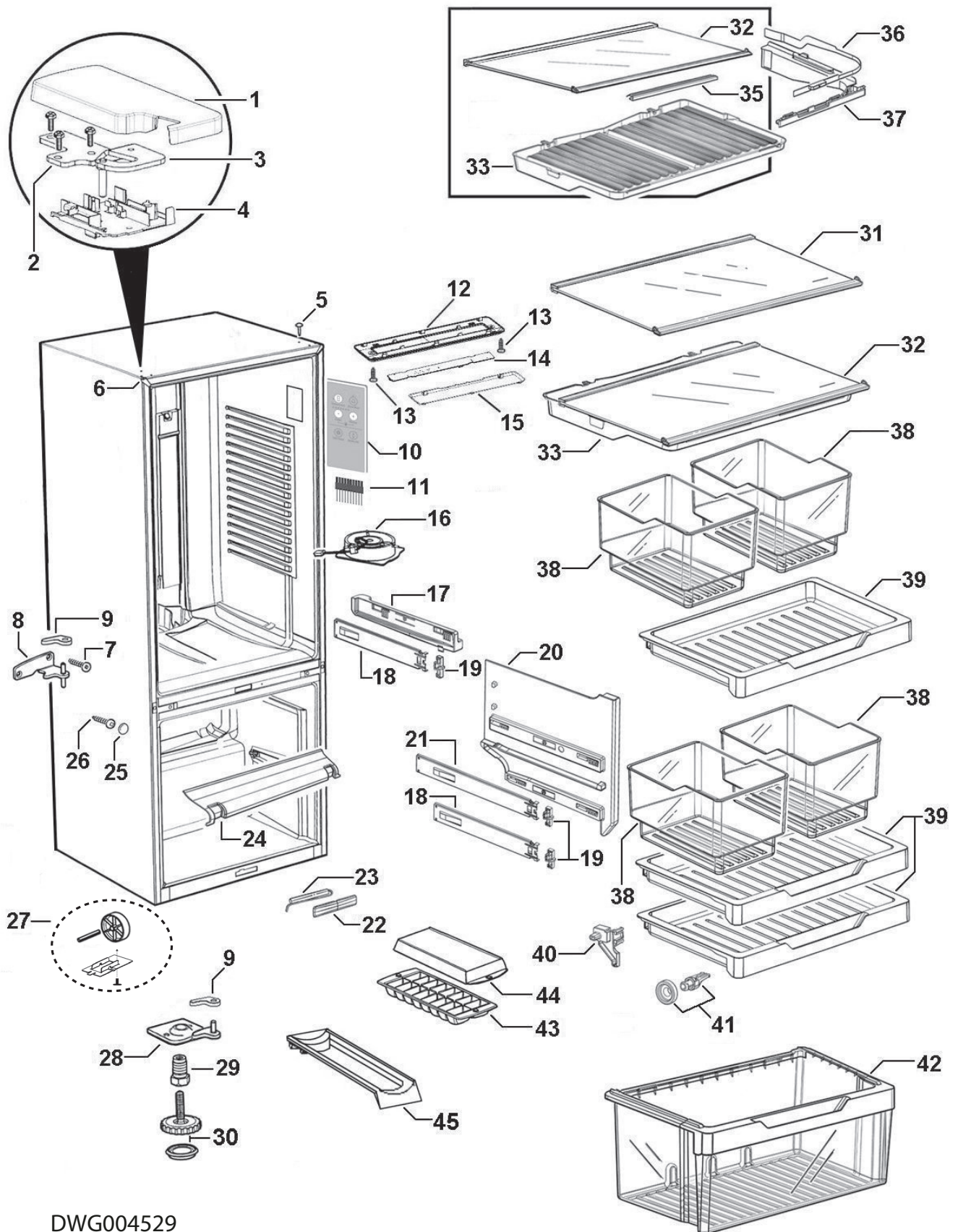


## DOOR COMPONENTS

REFERENCE	PART NUMBER	PART DESCRIPTION
<b>24</b>	<b>860795P</b>	BOSS HANDLE FLAT SPARES KIT
<b>25</b>	<b>819646P</b>	SCREW M5X40 CAP (PKT 10)
<b>26</b>	<b>820581</b>	HANDLE D3 612 BRUSHED
	Includes 837467	SCREW M5X14 CAP
	Includes 819646	SCREW M5X40 CAP
<b>27</b>	<b>837467P</b>	SCREW M5X14 CAP (PKT 10)
<b>28</b>	<b>820582</b>	HANDLE D3 374 BRUSHED
	Includes 819646	SCREW M5X40 CAP
<b>30</b>	<b>813926</b>	TRIM CORNER DOOR FLAT



# CABINET COMPONENTS



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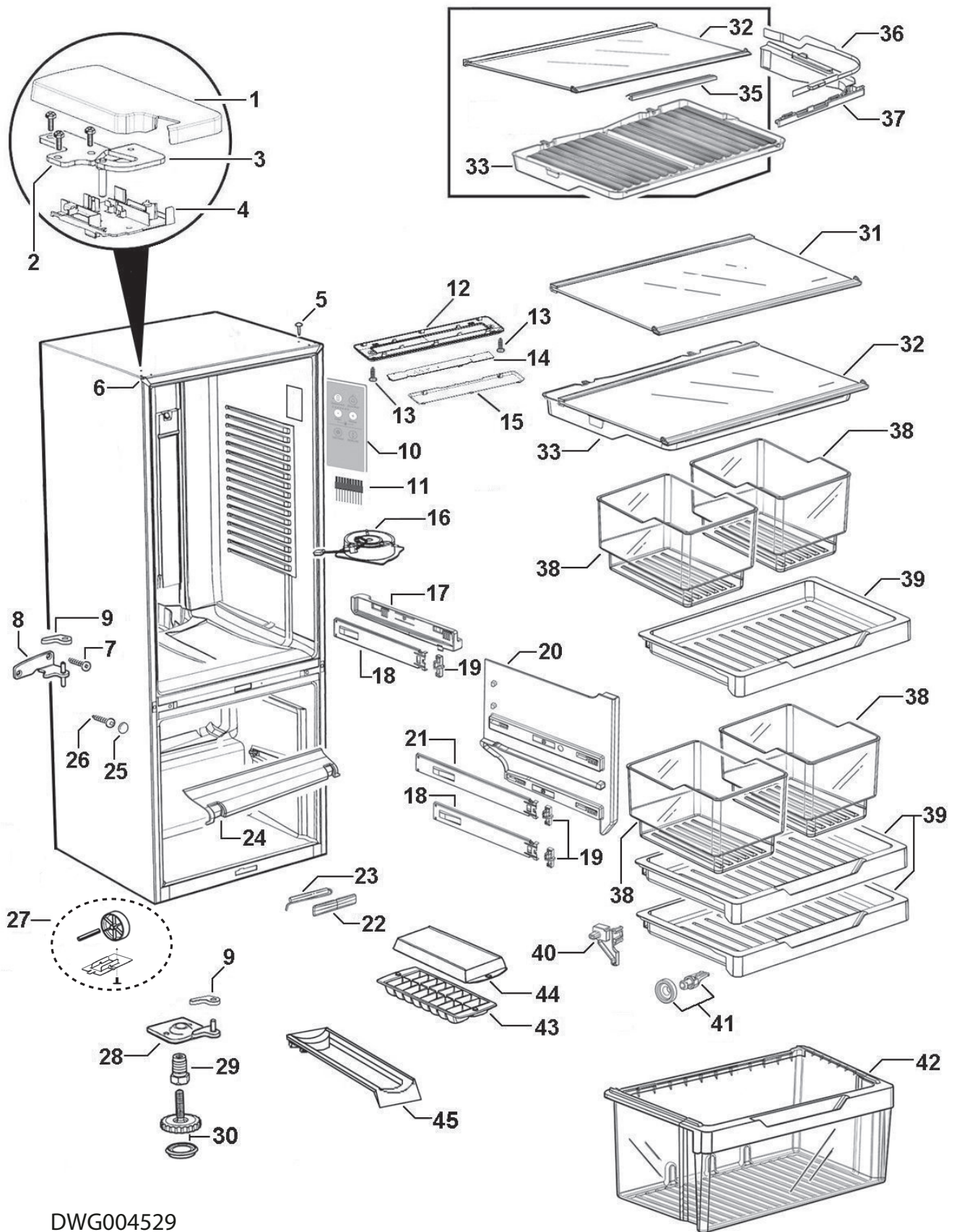
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## CABINET COMPONENTS

REFERENCE	PART NUMBER	PART DESCRIPTION
<b>1</b>	<b>846779P</b>	COVER HINGE LOW NIW GRY L
<b>2</b>	<b>817818P</b>	SCREW M5X20 HEX PH ST TV (PKT 10)
<b>3</b>	<b>820863</b>	BRACKET HINGE I&W LH
<b>4</b>	<b>846774P</b>	SUPPORT HINGE LOW NIW
<b>NI</b>	<b>847438</b>	KIT COVER HINGE LOW GRY LH
	Includes 846779P	COVER HINGE LOW NIW GRY L
	Includes 846774P	SUPPORT HINGE LOW NIW
<b>5</b>	<b>883948P</b>	PLUG TAPPED HOLE SILVER (PKT 3)
<b>6</b>	<b>883951</b>	TRIM CORNER SILVER 680/790
<b>7</b>	<b>880656P</b>	SCREW 10GX25CSK SQ SS (PKT 10)
<b>8</b>	<b>881286P</b>	BRACKET CTR HINGE LH (PKD)
	Includes 883989P	CAP DOOR CLOSING LH HGE BRKT G
<b>9</b>	<b>881286P</b>	BRACKET CTR HINGE LH (PKD)
	Includes 883989P	CAP DOOR CLOSING LH HGE BRKT G
<b>10</b>	<b>837327P</b>	MOD DISP AS U2 INT 6 BUT SVC
<b>11</b>	<b>839618</b>	HARNESS MOLEX 5 WAY SPARES
<b>12</b>	<b>820736</b>	HOUSING FRONT LED PC
<b>13</b>	<b>817816P</b>	SCREW 6 X12 AB TRUSS PH ST TV (PKT 10)
<b>14</b>	<b>845096P</b>	MOD LAMP AS CEILING SVC
<b>15</b>	<b>820737</b>	WINDOW LED PC
<b>16</b>	<b>848320P</b>	PC 3W FAN ASSY JST/DCT
	Includes	FAN HOUSING PC ASSY
	Includes	DUCT JUNCTION
	Includes	CONNECTOR IDC UP2 (2)
	Includes	LABEL WARNING 12 VOLT DC
	Includes	SHEET INSTRUCTION PC FAN ASSY
<b>17</b>	<b>836808</b>	RETAINER & SLIDE 680 RH ASSY
	Includes 836700	SLIDE 305 RH ASSEMBLY
	Includes 836520P	CLIP SLIDE
	<b>836807</b>	RETAINER & SLIDE 680 LH ASSY
	Includes 836701	SLIDE 305 LH ASSEMBLY
	Includes 836520P	CLIP SLIDE
<b>18</b>	<b>836700</b>	SLIDE 305 RH ASSEMBLY
	Includes 836520P	CLIP SLIDE
	<b>836701</b>	SLIDE 305 LH ASSEMBLY
	Includes 836520P	CLIP SLIDE

# CABINET COMPONENTS



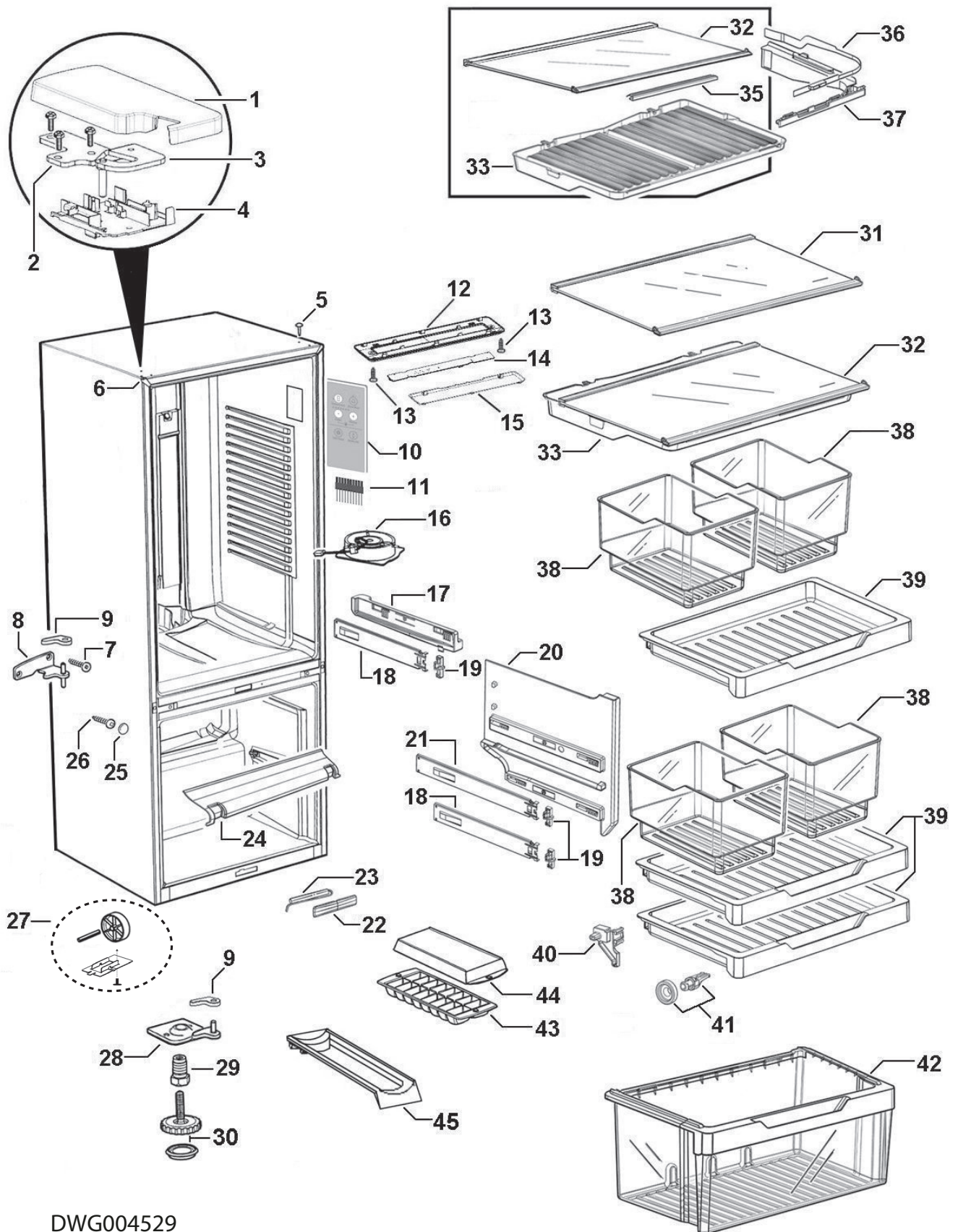
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## CABINET COMPONENTS

REFERENCE	PART NUMBER	PART DESCRIPTION
<b>19</b>	<b>836520P</b>	CLIP SLIDE (PKT 2)
<b>20</b>	<b>836545</b>	RETAINER SLIDE FC B RH
	<b>836546</b>	RETAINER SLIDE FC B LH
<b>21</b>	<b>836702</b>	SLIDE 355 RH ASSEMBLY
	Includes 836520P	CLIP SLIDE
	<b>836703</b>	SLIDE 355 LH ASSEMBLY
	Includes 836520P	CLIP SLIDE
<b>22</b>	<b>884011</b>	COVER REED SWITCH ST4 SILVER
	<b>881420</b>	COVER REED SWITCH WHITE ST4
<b>23</b>	<b>865214P</b>	MOD HALL SWITCH RF
<b>24</b>	<b>836593</b>	DUCT RETURN AIR FC 635
<b>25</b>	<b>883953P</b>	CAP SCREW CROSS RAIL SILVER
	<b>880595P</b>	CAP SCREW CROSS RAIL WHITE
<b>26</b>	<b>817822P</b>	SCREW #10X19 AB #2 SQ TV (PKT 10)
<b>27</b>	<b>847316P</b>	RETAINER WHEEL STEEL KIT
	Includes	RETAINER WHEEL STEEL
	Includes	SCREW 8-32X8 TY T PAN PH TV
	Includes	ROLLER FOOT FRONT
	Includes	PIN ROLLER PLATED
<b>28</b>	<b>818612P</b>	BRACKET HINGE BASE LH (PKD)
	Includes	CAP DOOR CLOSING RH HGE BRKT G
	Includes	BRKT HINGE BASE LH ASSY NZ
<b>29</b>	<b>813481</b>	BOLT BLIND END HINGE BRACKET
<b>30</b>	<b>818535</b>	FOOT LEVELLING ASSEMBLY
	Includes	WHEEL LEVELLING FOOT ASSY
	Includes	BASE LEVELLING FOOT
<b>31</b>	<b>821037</b>	SHELF GL PC 635 ASSY SC
	Includes	SHELF GLASS PC 635
	Includes	TRIM SHELF PC 635 SC
	Includes	STIFFENER SHELF PLASTIC PC SC
	Includes 836567	PLUG TRIM SHELF RH
	Includes 836568	PLUG TRIM SHELF LH



# CABINET COMPONENTS



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## CABINET COMPONENTS

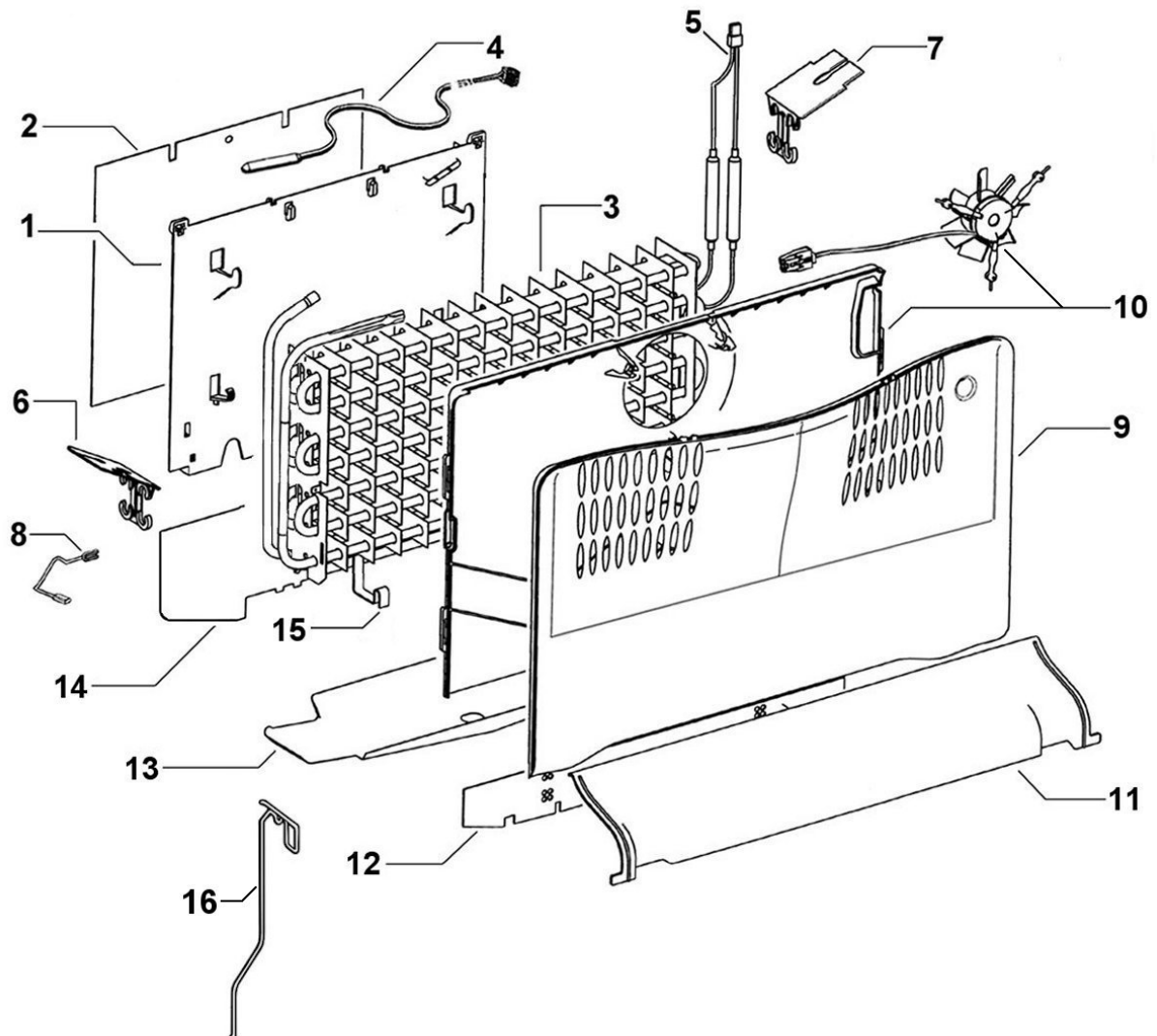
REFERENCE	PART NUMBER	PART DESCRIPTION
<b>32</b>	<b>821038</b>	<b>SHELF GL HCL 635B ASSY SC</b>
	Includes	SHELF GLASS PC 635
	Includes	TRIM SHELF HCL 635 SC
	Includes	STIFFENER SHELF PC 635 SC
	Includes 836567	PLUG TRIM SHELF RH
	Includes 836568	PLUG TRIM SHELF LH
	Includes 836580	RETAINER HCL FRONT 635
<b>33</b>	<b>836729</b>	<b>LID HUMIDITY CONTROL 635B</b>
<b>35</b>	<b>836580</b>	<b>RETAINER HCL FRONT 635</b>
<b>36</b>	<b>836631</b>	<b>SLIDE CONTROL HUMIDITY RH</b>
	<b>836633</b>	<b>SLIDE CONTROL HUMIDITY LH</b>
<b>37</b>	<b>836632</b>	<b>GUIDE CONTROL HUMIDITY RH</b>
	<b>836634</b>	<b>GUIDE CONTROL HUMIDITY LH</b>
<b>38</b>	<b>836522</b>	<b>BIN SMALL</b>
<b>39</b>	<b>836512</b>	<b>TRAY 635</b>
<b>40</b>	<b>836585</b>	<b>SKID TRAY RH</b>
	<b>836586</b>	<b>SKID TRAY LH</b>
<b>41</b>	<b>836517</b>	<b>WHEEL &amp; CHASSIS ASSEMBLY (PKT 2)</b>
<b>42</b>	<b>836659</b>	<b>BIN LARGE 635 ASSY</b>
<b>43</b>	<b>874107</b>	<b>TRAY ICE BASE</b>
<b>44</b>	<b>874108</b>	<b>TRAY ICE LID</b>
<b>45</b>	<b>860593</b>	<b>HOLDER BOTTLE SINGLE</b>

### JOINER KIT FOR SIDE BY SIDE CABINET CONNECTION

Used for combining any of the the following 1695mm high cabinet models: N388 ,C450, E402B, E411T, E415H, E440T, E442B, E521T and E522B

<b>NI</b>	<b>819264</b>	<b>KIT JOINER SILVER</b>
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## FAN, COVER AND EVAPORATOR COMPONENTS



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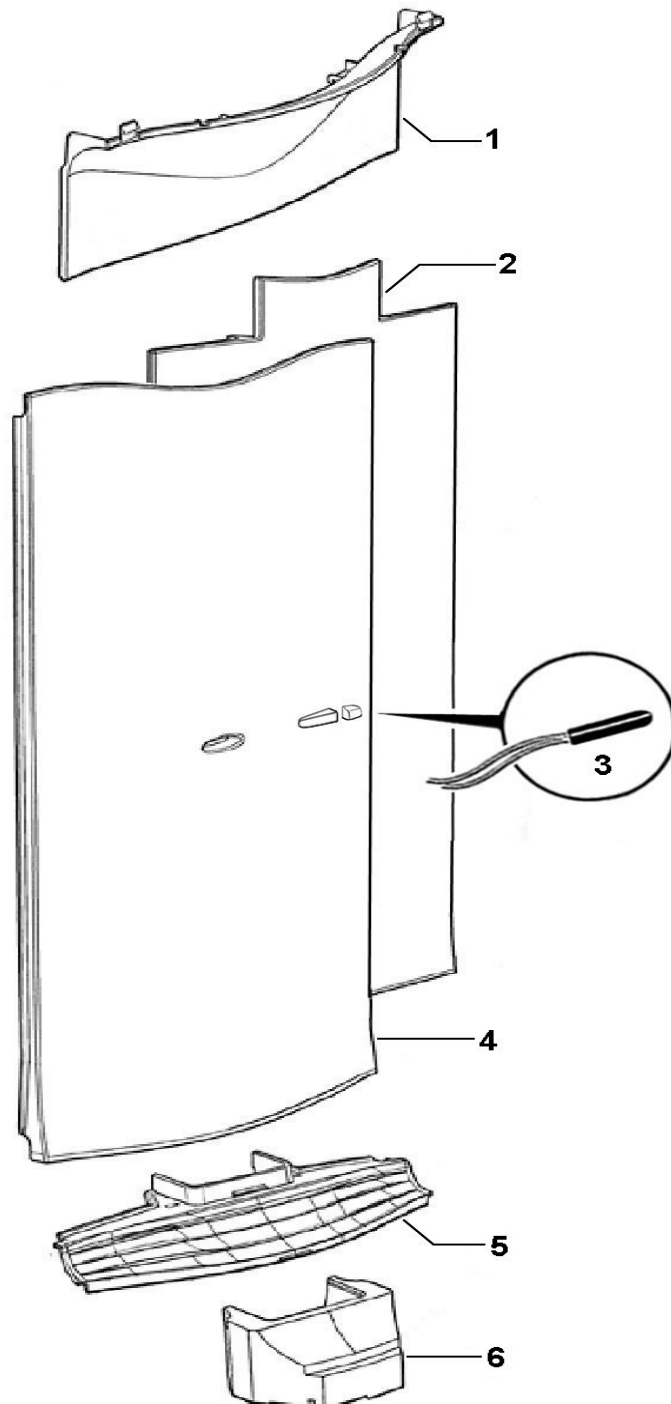
## FAN, COVER AND EVAPORATOR COMPONENTS

REFERENCE	PART NUMBER	PART DESCRIPTION
<b>1</b>	<b>814446</b>	<b>CHASSIS EVAP B</b>
<b>2</b>	<b>880423P</b>	<b>DEFLECTOR CHASSIS HTR B 635 P4</b>
<b>3</b>	<b>837332P</b>	<b>EVAP ASSY 635B 230V DP</b>
	Includes	EVAPORATOR FINNED 635 R600A
	Includes 814446	CHASSIS EVAP 635 B
	Includes 814631	SHIELD EVAP B CHASSIS
	Includes 821875	HEATER DEFROST DBLE 230V 635
	Includes 880423P	DEF HRT CHASSIS
	Includes 820604	CLIP EVAP BAFFLE
	Includes 813992	CLIP ACTIVE SMART BAFFLE
	Includes 820835	CLIP DEFROST HEATER B SHORT (2)
	Includes 814460	HARNESS EARTH 100MM
	Includes	CABLE TIE 200MMX3.6
<b>4</b>	<b>855203P</b>	<b>SENSOR KIT ASSY ACTV SM</b>
	Includes	HEATSHRINK 25MM
	Includes	HARNESS SENSOR PC
	Includes	CONNECTOR BUTT (2)
	Includes	SHEET INSTRUCTN BUTT CONNECTORS
<b>5</b>	<b>821875</b>	<b>HEATER DEF DBL 230V 635</b>
<b>NI</b>	<b>821745</b>	<b>COVER PLUG TYCO</b>
<b>6</b>	<b>813992</b>	<b>CLIP ACTIVE SMART BAFFLE</b>
<b>7</b>	<b>820604</b>	<b>CLIP EVAP BAFFLE</b>
<b>8</b>	<b>814460</b>	<b>HARNESS EARTH 100MM</b>
<b>9</b>	<b>873398</b>	<b>FAN COVER FC FRONT 635B</b>
<b>10</b>	<b>848314P</b>	<b>FAN FC 3W KIT 635 SERIES A TO</b>
	Includes 880409P	COVER HEAT SHIELD ALUM 635
	Includes	COVER FAN FC REAR 635
	Includes	CONNECTOR IDC UP2 (2)
	Includes	FAN DC SUSPENDEDC FC ASSY
	Includes	FAN SUSPENDEDC FC ASSY
<b>11</b>	<b>836593</b>	<b>DUCT RETURN AIR FC 635</b>
<b>12</b>	<b>880409P</b>	<b>COVER HEAT SHIELD ALUM 635 P42</b>
<b>13</b>	<b>872831</b>	<b>SHIELD DRAIN HTR DEFROST 635B</b>
<b>14</b>	<b>814631</b>	<b>SHIELD EVAP B CHASSIS</b>
<b>15</b>	<b>820835</b>	<b>CLIP DEFROST HEATER B SHORT</b>
<b>16</b>	<b>821251</b>	<b>WIRE DRAIN HEATER DOUBLE B</b>



## DUCT COVER COMPONENTS

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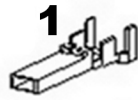
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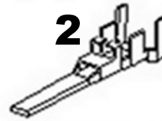
## DUCT COVER COMPONENTS

REFERENCE	PART NUMBER	PART DESCRIPTION
<b>1</b>	<b>837405</b>	COVER DUCT PC TOP B
<b>2</b>	<b>873950</b>	INSULATION COVER DUCT LONG B
<b>3</b>	<b>855203P</b>	SENSOR KIT ASSY
	Includes	CONNECTOR BUTT
	Includes	HARNESS SENSOR PC
<b>4</b>	<b>836861</b>	COVER DUCT PC B LONG WATER
<b>5</b>	<b>813287</b>	GRILLE PC RETURN AIR B MODEL
<b>6</b>	<b>872823</b>	INSULATION INSERT PID

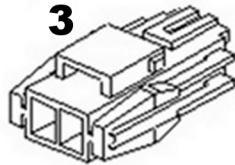
# TERMINAL, PLUGS & SOCKETS



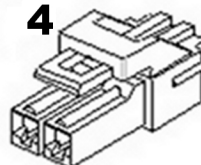
**JST SOCKET TERMINAL**



**JST PIN TERMINAL**



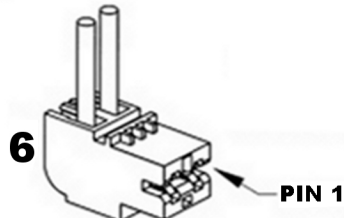
**JST SOCKET**



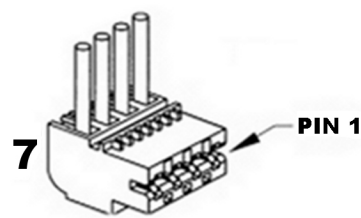
**JST PLUG**



**JST RETAINER**

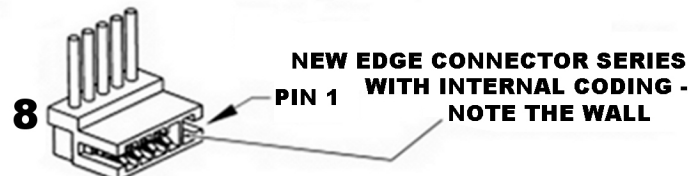


**RAST CONNECTOR**



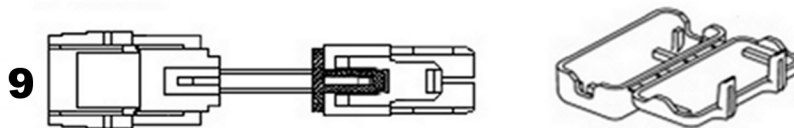
**RAST CONNECTOR**

**NOTE THAT IN THE PART NAMES OF THESE CONNECTORS, THE -02- REFERS TO IT BEING A 2 WAY CONNECTOR, AND THE -AB01-(FOR EXAMPLE) REFERS TO THE CODING OF THE CONNECTOR.**

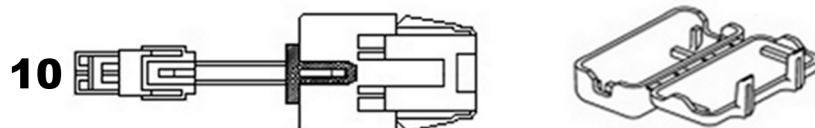


**RAST CONNECTOR**

**NOTE: TO MINIMISE THE NUMBER OF SPARE PARTS THAT NEED TO BE CARRIED, THESE CODED CONNECTORS ARE TO BE REPLACED WITH THEIR UNCODED EQUIVALENTS FOR THE 3, 5 AND 6 WAY CONNECTORS USED ON STAGE 4 CABINETS.**



**HARNESS ADAPTOR - JST REC TO MOLEX PLUG**



**HARNESS ADAPTOR - JST PLUG TO MOLEX REC**

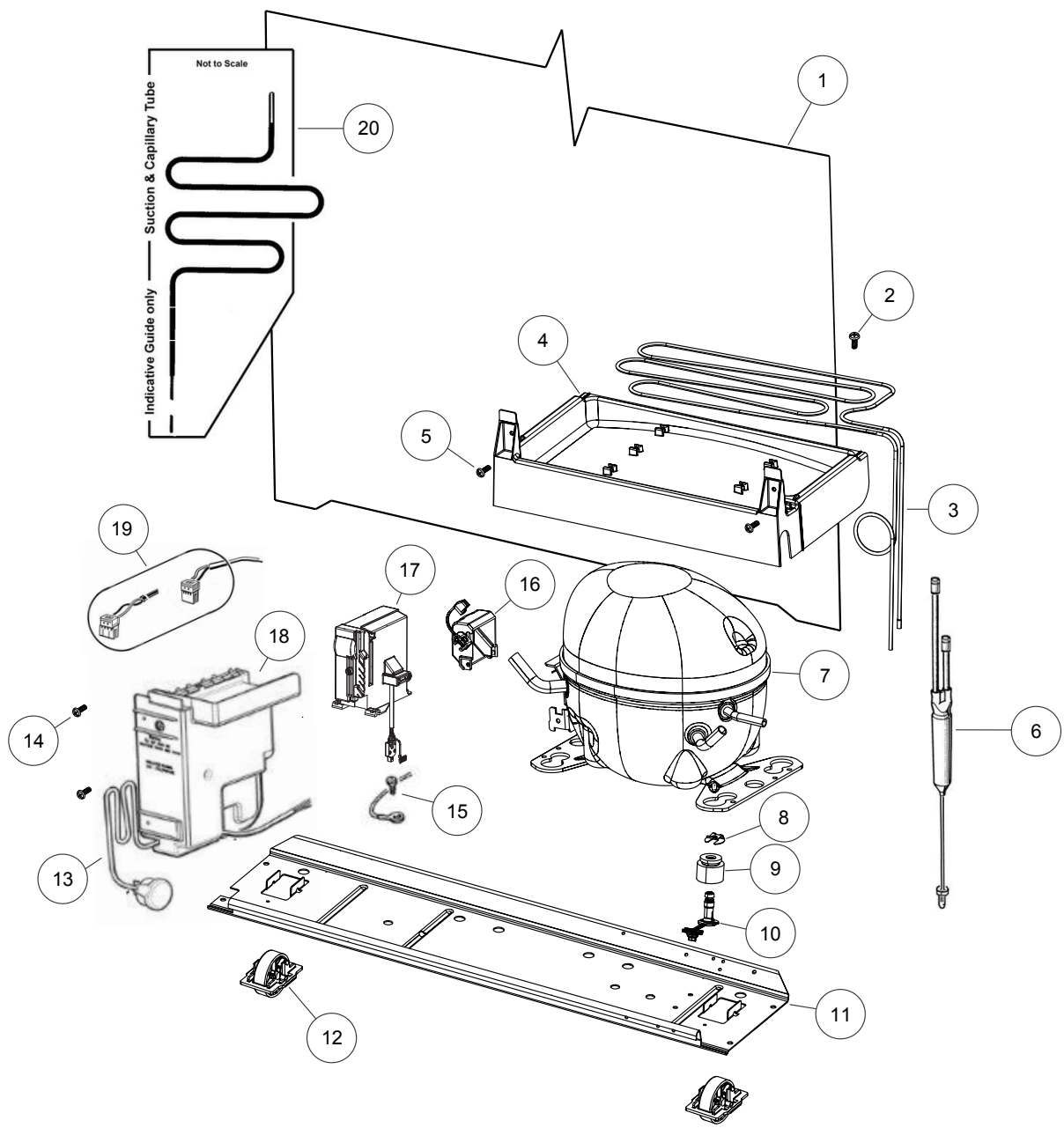
DWG002630 FEBRUARY 2012

## TERMINAL, PLUGS & SOCKETS

REFERENCE	PART NUMBER	PART DESCRIPTION	COMMENTS
<b>1</b>	<b>819607P</b>	TERMINAL SYF-01T PKT 10	26/20 AWG
	<b>819608P</b>	TERMINAL SYF-41T PKT 10	20/16 AWG
<b>2</b>	<b>819609P</b>	PIN/TERM SYM-01T PKT 10	26/20 AWG
	<b>819610P</b>	PIN/TERM SYM-41T PKT 10	20/16 AWG
<b>3</b>	<b>819615</b>	JST SOCKET 2PIN YLR-02V	
	<b>819616</b>	JST SOCKET 3PIN YLR-03V	
	<b>819617</b>	JST SOCKET 4PIN YLR-04V	
	<b>819618</b>	JST SOCKET 6PIN YLR-06VF	
	<b>819619</b>	JST SOCKET 8 PIN YLR-08V	
<b>4</b>	<b>819611</b>	JST PLUG 2PIN YLP-02V	
	<b>819612</b>	JST PLUG 4PIN YLP-04V	
	<b>819613</b>	JST PLUG 6PIN YLP-06V	
	<b>819614</b>	JST PLUG 8PIN YLP-08V	
<b>5</b>	<b>819620</b>	RETAINER 2 WAY YLS-02V	
	<b>819621</b>	RETAINER 3 WAY YLS-03V	
<b>6</b>	<b>881588</b>	CONNECTOR RAST 9290-02-AB01	MAINS CORD
	<b>881589</b>	CONNECTOR RAST 9290-02-BA01	DEFROST HEATER
	<b>881590</b>	CONNECTOR RAST 9290-02-EE01	RUN CAPACITOR
<b>7</b>	<b>881591</b>	CONNECTOR RAST 9290-04-EF02	COMPRESSOR CABLE
<b>8</b>	<b>873251</b>	CONNECTOR RAST 7234-003-500	
	<b>873250</b>	CONNECTOR RAST 7234-004-500	
	<b>881135</b>	CONNECTOR RAST 7234-005-500	
	<b>873247</b>	CONNECTOR RAST 7234-006-500	
	<b>873279</b>	CONNECTOR RAST 7234-008-500	
	<b>873248</b>	CONNECTOR RAST 7234-010-500	
	<b>873243</b>	CONNECTOR RAST 7234-012-500	
	<b>881136</b>	CONNECTOR RAST 7234-014-500	
	<b>881137</b>	CONNECTOR RAST 7234-017-502	
<b>9</b>	<b>820687P</b>	ADAPTOR JST REC TO MOLEX KIT	
	<b>Includes 884412</b>	COVER PLUG MOLEX	
<b>10</b>	<b>820688P</b>	ADAPTOR JST PLUG TO MOLEX KIT	
	<b>Includes 884412</b>	COVER PLUG MOLEX	

**NOTE:** THE NUMBERS IN THE DESCRIPTION OF THE RAST CONNECTOR DENOTES THE NUMBER OF CONNECTIONS - EXAMPLE: 7234-017-502 =17 WAY CONNECTOR

# COMPRESSOR AREA COMPONENTS



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## COMPRESSOR AREA COMPONENTS

REFERENCE	PART NUMBER	PART DESCRIPTION
<b>1</b>	<b>873044P</b>	PANEL BACK & CONDENSER ASSY
<b>2</b>	<b>815236P</b>	SCREW 12X1/2 TAB CSK PH (PKT 10)
<b>3</b>	<b>814684</b>	TUBE EVAP TRAY FORMED H/SHRINK
<b>4</b>	<b>820734</b>	TRAY EVAP AS
<b>5</b>	<b>817817P</b>	SCREW #8X12 SP PAN NIB ST TV (PKT 10)
<b>6</b>	<b>814843P</b>	FILTER DRIER LONG TAIL XH9 12 GRM
<b>7</b>	<b>207442P</b>	COMPR PKD JIAX VTFB13Y 230V
	includes	COMPR JIAX VTFB13Y
	includes	COVER PROTECTOR JIAX VTFB13Y
	includes 814843	FILTER PREBRAZED LONG TAIL
	includes	GROMMET COMPR MTG 16.5MM (4)
	includes	POST COMP MOUNTING 16.5MM (4)
	includes	CLIP FOOT COMPRESSOR (4)
	207443	INVERTER JIAX VTFB13Y 230V
<b>8</b>	<b>855270P</b>	CLIP FOOT COMPRESSOR (PKT 4)
<b>9</b>	<b>849622P</b>	GROMMET 16.5MM KIT 4 PACK
	includes	POST COMP MOUNTING 16.5MM
	includes	GROMMET COMPR MTG 16.5MM
	includes	CLIP FOOT COMPRESSOR
<b>10</b>	<b>NA</b>	REFER TO ITEM #9 - KIT ONLY
<b>11</b>	<b>820336</b>	TRAY COMP MOUNTING 680 VCC
<b>12</b>	<b>315090P</b>	KIT WHEEL BRACKET CLIP
	Includes	PIN ROLLER PLATED
	Includes	ROLLER FOOT FRONT
	Includes	CLIP WHEEL BRACKET
<b>13</b>	<b>884336</b>	CORD SET SUPPLY 220-240V ST4.1
<b>14</b>	<b>817834P</b>	PKT SCREW #8X16 HEX
<b>15</b>	<b>817828P</b>	SCREW 8-32X8 TY T PAN PH TV (PKT 10)
<b>16</b>	<b>207310</b>	COVER PROTECTOR VEM
<b>17</b>	<b>207443</b>	INVERTER JIAX VTFB13Y 230V
<b>18</b>	<b>838196P</b>	MOD CNTRL GLTH M5T ROHS 220V S
<b>19</b>	<b>841937</b>	HARNESS VCC INV IEC EMB
<b>20</b>	<b>821258</b>	TUBE SUCT CAP ASSY 5/16 ROHS

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