

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

REFRIGERATOR FREEZER

RF170ADX4 N FP US

PRODUCT CODE: 25066-C

PARTS MANUAL

US CA

INTRODUCTION

BRAND	VOLTAGE	MODEL	PRODUCT CODE
Fisher & Paykel	110-120 60Hz	RF170ADX4 N FP US	25066-C

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

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

US

Fisher & Paykel Appliances Inc.
695 Town Centre Drive, Suite 180
Costa Mesa
CA 92626-1902
USA

e-mail: usa.customercare@fisherpaykel.com
tel: 888 936 7872
Fax: (714) 372-7003

CA

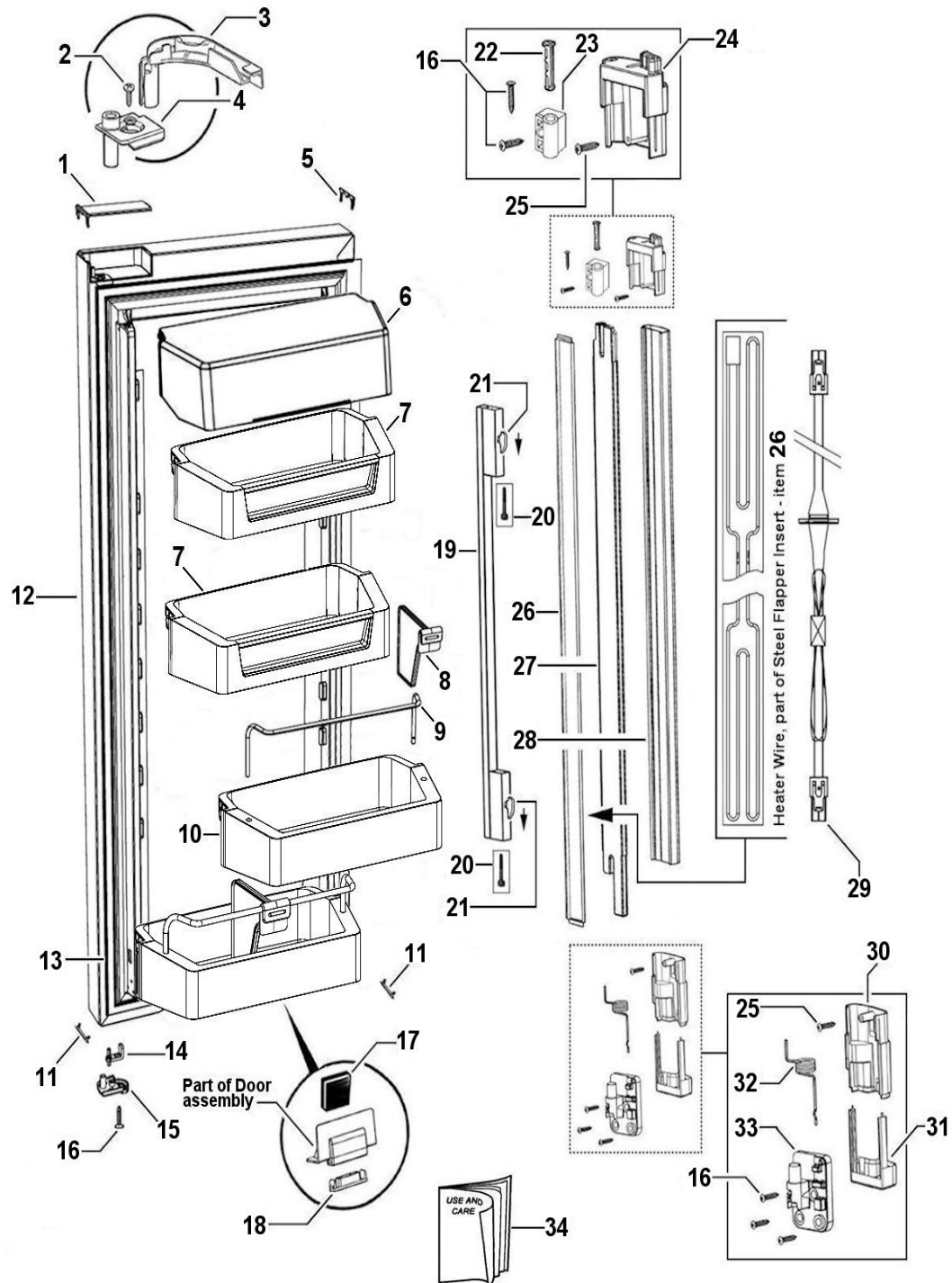
Fisher & Paykel Appliances Canada Inc
2900 - 595 Burrard Street
Vancouver
BC, V7X 1J5
Canada

e-mail: usa.customercare@fisherpaykel.com
tel: 888 936 7872

CONTENTS

INTRODUCTION	1
DOOR COMPONENTS	3
FC DRAWER COMPONENTS	7
CABINET COMPONENTS	9
CABINET INTERIOR COMPONENTS	13
EVAPORATOR COMPONENTS	17
DUCT COVER COMPONENTS	19
TERMINAL, PLUGS & SOCKETS	21
COMPRESSOR AREA COMPONENTS	23

DOOR COMPONENTS



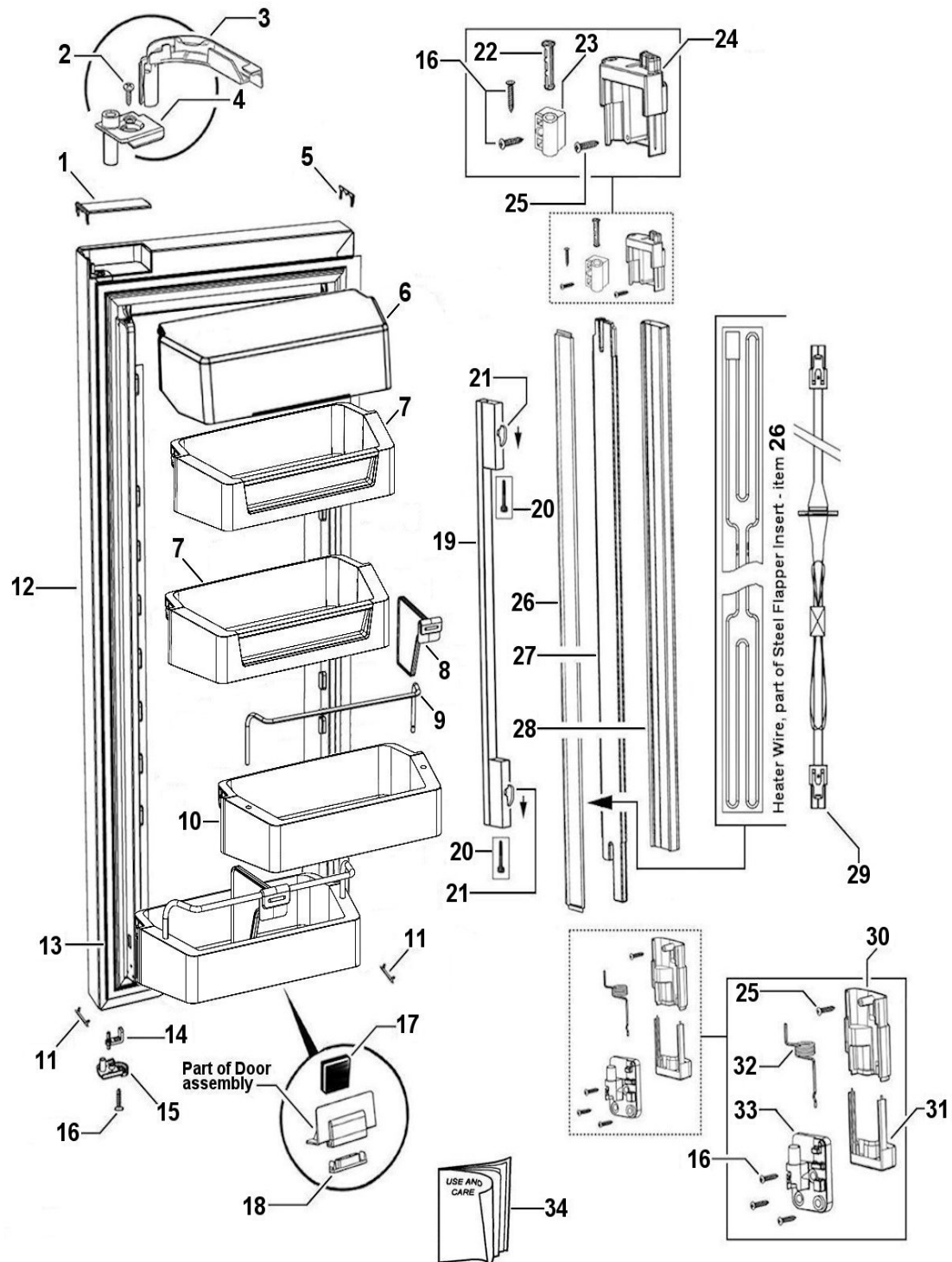
DWG002843 AUGUST 2012

DWG 002843

DOOR COMPONENTS

REFERENCE	PART NUMBER	PART DESCRIPTION
1	820801	COVER DOOR HINGE RH
	820957	COVER DOOR HINGE LH
2	836948P	SCREW 6X1/2 PAN PH SS (PKT 10)
3	820715	GUIDE TUBE DOOR RH
	820862	GUIDE TUBE DOOR LH
4	820845	BEARING HINGE WATER RH
	820958	BEARING HINGE WATER LH
5	860419	TRIM DOOR DESIGNER X
6	821458	COVER SHELF RF522A
7	821454P	SHELF DOOR RF522A ASSY
	Includes	TRIM SHELF DR RF522A
	Includes	LENS SHELF DR RF522A
8	821805	DIVIDER BOTTLE 522B
9	821804	RAIL SHELF DOOR RF522A
10	821500	SHELF BTM RF522A
11	813926	TRIM CORNER DOOR FLAT
12	848350P	DOOR PC 391X1052 F SX2 A RH
	Includes 813926	TRIM CORNER DOOR FLAT (2)
	Includes 860419	TRIM DOOR DESIGNER X
	Includes 883315	MAGNET DOOR SWITCH ST4
	Includes 813928	COVER MAGNET DOOR FLAT
	Includes 820801	COVER DOOR HINGE RH
	849022P	DOOR PC 391X1052 F SX2 A LH
	Includes 813926	TRIM CORNER DOOR FLAT (2)
	Includes 860419	TRIM DOOR DESIGNER X
	Includes 883315	MAGNET DOOR SWITCH ST4
	Includes 813928	COVER MAGNET DOOR FLAT
	Includes 820957	COVER DOOR HINGE LH
13	837517P	GASKET ASSY RF522A PC
14	814537	DOOR STOP ASSEMBLY
15	819650	CLOSING HOOK DOOR STOP GR RH
	819651	CLOSING HOOK DOOR STOP GR LH

DOOR COMPONENTS

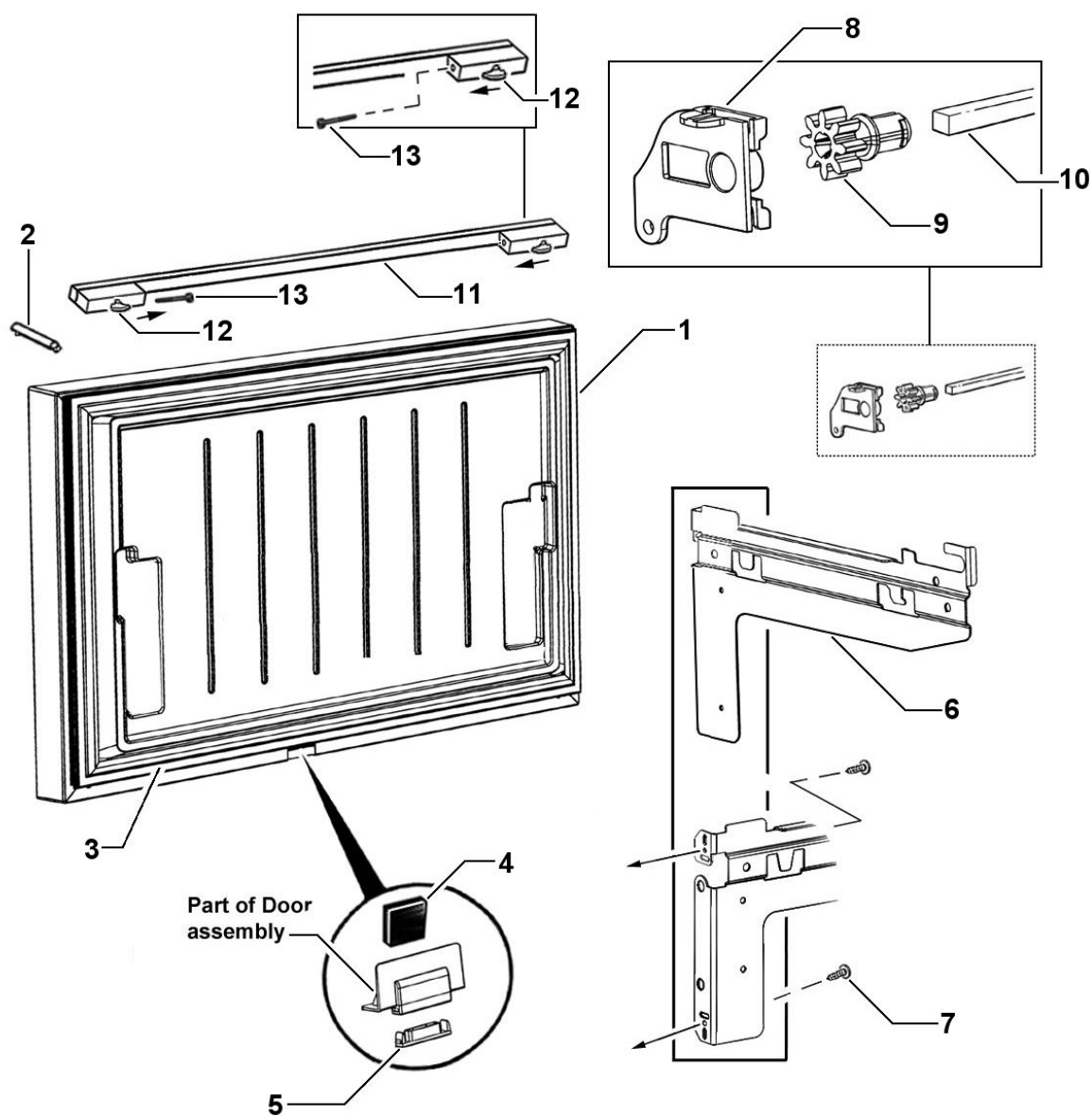


DWG002843 AUGUST 2012

DWG 002843

DOOR COMPONENTS

REFERENCE	PART NUMBER	PART DESCRIPTION
16	817825P	SCREW 8X22 WAFER PHIL ST TV (PKT 10)
17	883315	MAGNET DOOR SWITCH ST4
18	813928	COVER MAGNET DOOR FLAT
19	820584	HANDLE D3 642 RF ASSY BRUSHED
	Includes 819646	SCREW M5X40 CAP (2)
20	819646P	SCREW M5X40 CAP (PKT 10)
21	860795P	BOSS HANDLE FLAT PKD
22	837014	PIN FLAPPER TOP
23	821674	FIXATION FLAPPER TOP
24	837013	ENDCAP FLAPPER TOP
25	611933P	SCREW 8X5/8 TA MTS PH H5 ZN (PKT 10)
26	837417P	INSERT STEEL FLAPPER & HTR 790
27	821474	INSULATION FLAPPER 790
28	821472	BODY FLAPPER 790
29	NS	NOT AVAILABLE AS A SPARE PART
30	837038	ENDCAP FLAPPER BOTTOM
31	837050	CAP FLAPPER BOTTOM
32	837048	SPRING FLAPPER
33	837049	HINGE FLAPPER BOTTOM
34	839480	BOOKLET USE & CARE USA/CA

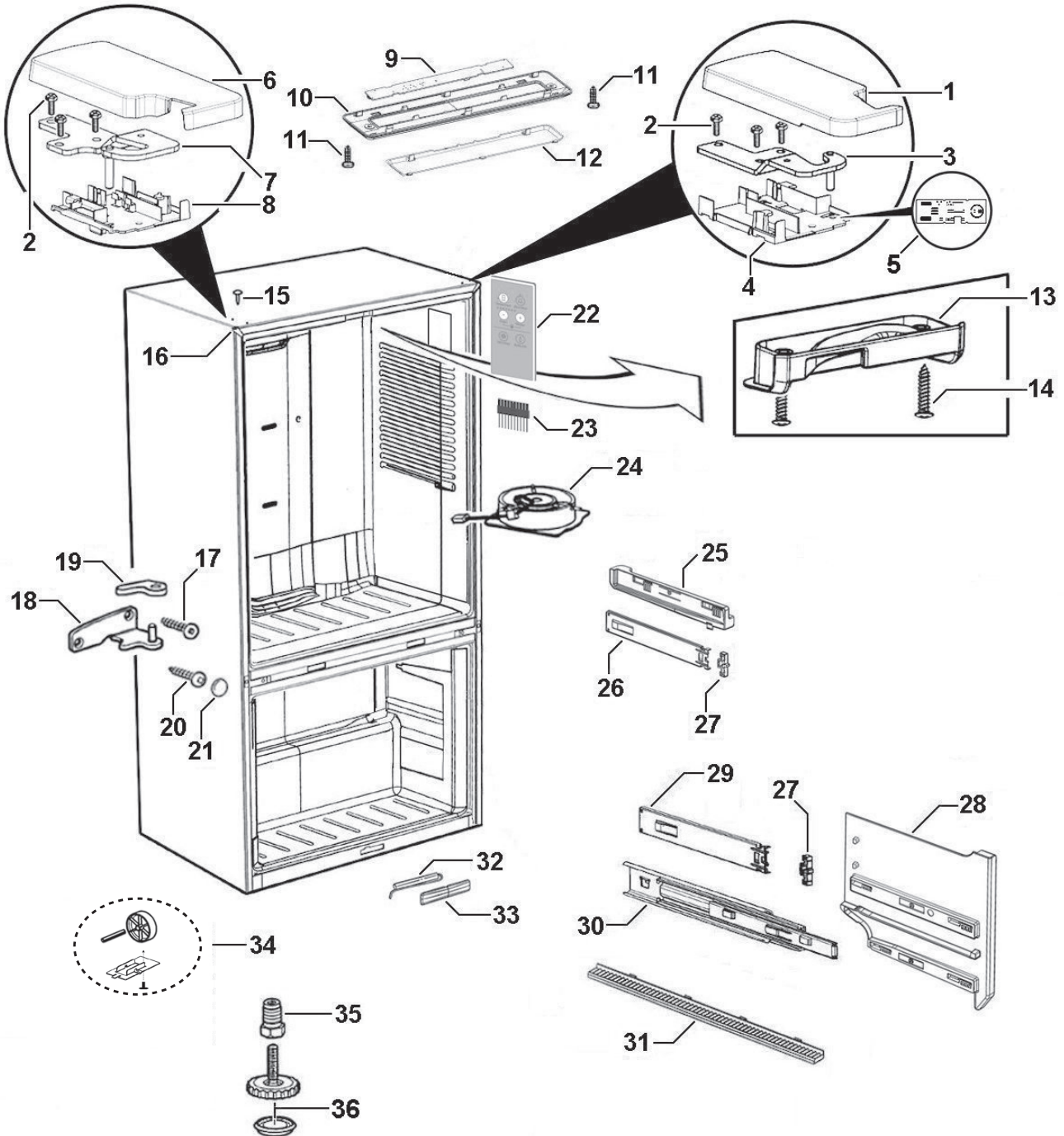


DWG002847 AUGUST 2012

FC DRAWER COMPONENTS

REFERENCE	PART NUMBER	PART DESCRIPTION
1	849315P	DRAWER FC 790X605 F SX2 P
	Includes 813926	TRIM CORNER DOOR FLAT
	Includes 813928	COVER MAGNET DOOR FLAT
	Includes 883315	MAGNET DOOR SWITCH ST4
2	813926	TRIM CORNER DOOR FLAT
3	819821P	GASKET ASSY E522 B FC
4	883315	MAGNET DOOR SWITCH ST4
5	813928	COVER MAGNET DOOR FLAT
6	837233	BRACKET DOOR FC RH
	837234	BRACKET DOOR FC LH
7	817825P	SCREW 8X22 WAFER PH ST TV (PKT 10)
8	837010	BRACKET MOUNT PINION FC RH
	837011	BRACKET MOUNT PINION FC LH
9	838502P	PINION ANTIRACK FC (2)
10	821407	BAR ANTIRACK RF522W
11	821873	HANDLE D3 710 FC ASSY
	Includes 819646	SCREW M5X40 CAP (2)
12	860795P	BOSS HANDLE FLAT PKD
13	819646P	SCREW M5X40 CAP (PKT 10)

CABINET COMPONENTS

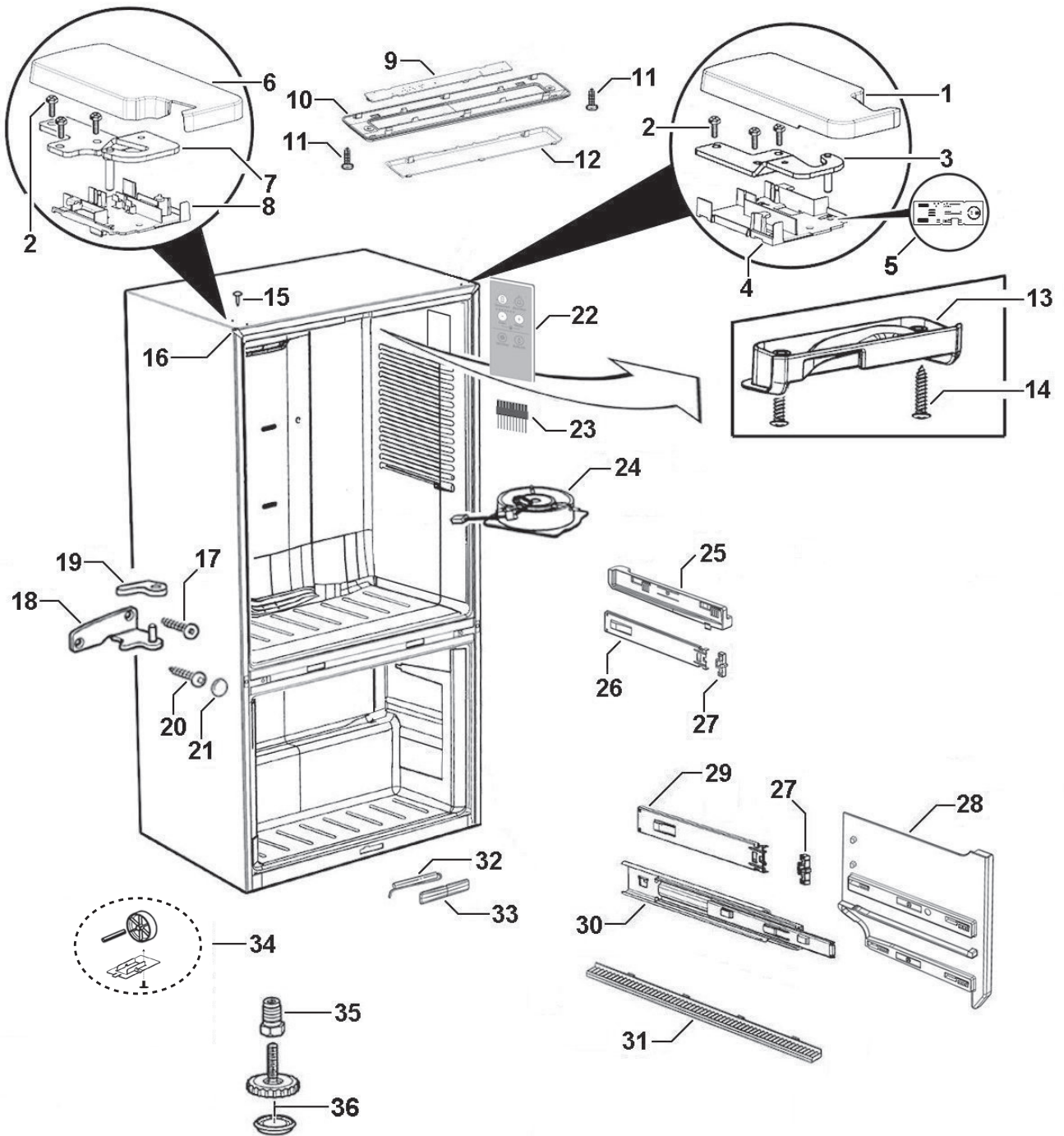


DWG004584

CABINET COMPONENTS

REFERENCE	PART NUMBER	PART DESCRIPTION
1	820647	COVER HINGE TOP IW RH
2	817818P	SCREW M5X20 HEX PH ST TV (PKT 10)
3	820652	BRACKET HINGE IW RH ASSY
4	821019	SUPPORT HINGE TOP NIW
5	838479P	MOD HUMIDITY SENS AS BI SVC
6	820860	COVER HINGE TOP IW LH
7	820861	BRACKET HINGE IW LH ASSY
8	821944	SUPPORT HINGE TOP LH
9	845096P	MOD LAMP AS CEILING SVC
10	820736	HOUSING FRONT LED PC
11	817816P	SCREW 6 X12 AB TRUSS PH ST TV
12	820737	WINDOW LED PC
13	821435	TRACK FLAPPER RF522W
14	837140P	SCREW 8X22 WAFER PH SS (PKT 10)
15	883948P	PLUG TAPPED HOLE SILVER (PKT 3)
16	883951	TRIM CORNER SILVER 680/790
17	880656P	SCREW 10GX25CSK SQ SS (PKT 10)
18	881288	BRACKET H-RAIL HINGE RH
	881290	BRACKET H-RAIL HINGE LH
19	883988P	CAP DOOR CLOSING RH HGE BRKT LTGY
	883989P	CAP DOOR CLOSING LH HGE BRKT LTGY
20	817822P	SCREW #10X19 AB #2 SQ TV (PKT 10)
21	883953P	CAP SCREW CROSS RAIL SILVER
	880595P	CAP SCREW CROSS RAIL WHT PKD
22	837327P	MOD DISP AS U2 INT 6 BUT SVC
23	839618	HARNESS MOLEX 5 WAY SPARES
24	848320P	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

CABINET COMPONENTS

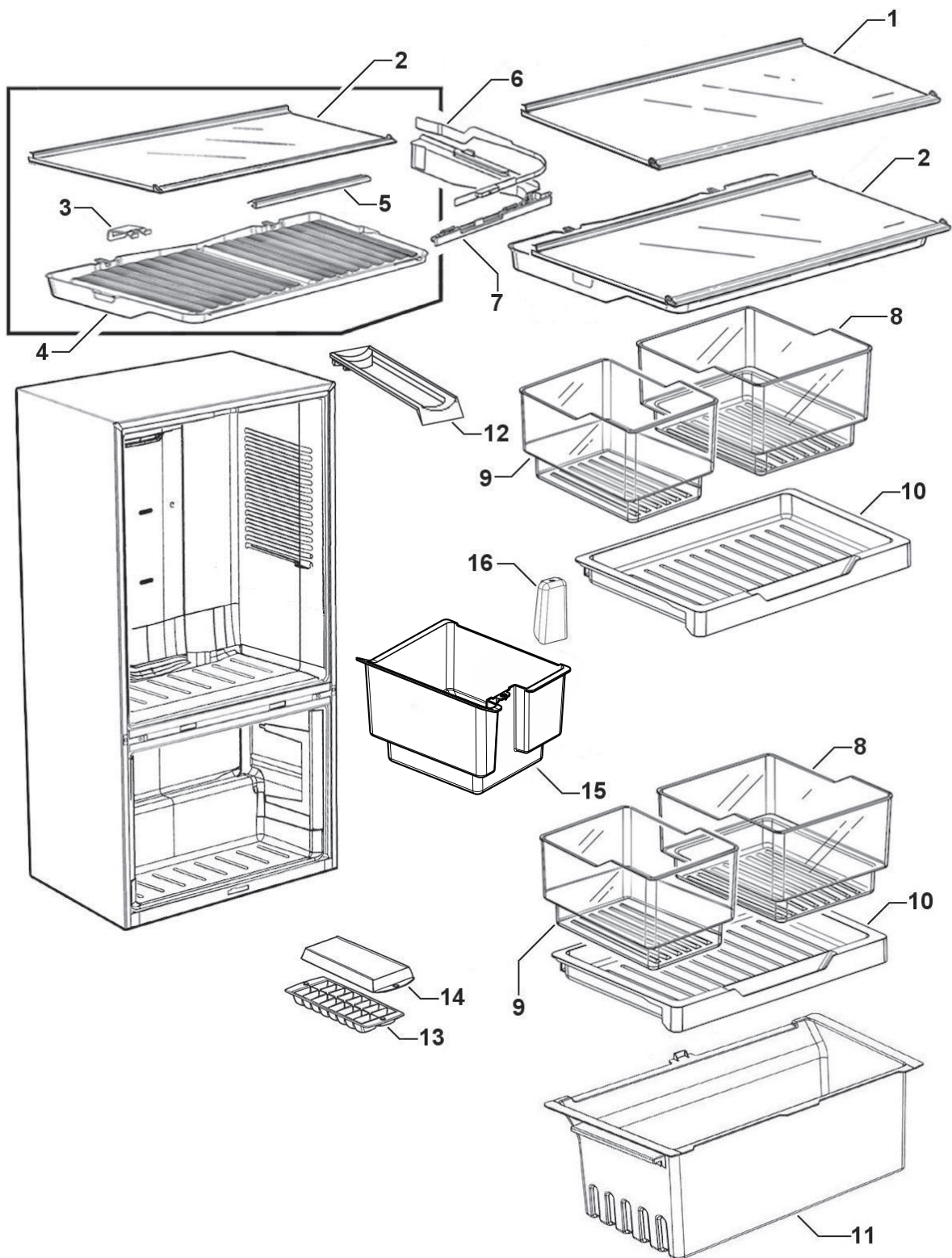


DWG004584

CABINET COMPONENTS

REFERENCE	PART NUMBER	PART DESCRIPTION
25	836541	RETAINER SLIDE PC 790 RH
	836542	RETAINER SLIDE PC 790 LH
26	836700	SLIDE 305 RH ASSEMBLY RC
	Includes 836520P	CLIP SLIDE
	836701	SLIDE 305 LH ASSEMBLY
	Includes 836520P	CLIP SLIDE
27	836520P	CLIP SLIDE (PKT 2)
28	821405	RETAINER SLIDE FC RF522W RH
	821406	RETAINER SLIDE FC RF522W LH
29	836702	SLIDE 355 RH ASSY RC
	Includes 836520P	CLIP SLIDE
	836703	SLIDE 355 LH ASSY RC
	Includes 836520P	CLIP SLIDE
30	838200	SLIDE DRAWER FC MAIN RH
	838199	SLIDE DRAWER FC MAIN LH
31	837047	TRACK ANTI RACKING FC
32	814443P	SWITCH REED FIELD FIX KIT ST4
	Includes	HEATSHRINK 1/8" MW ADHESIVE LINED
33	884011	COVER REED SWITCH ST4 SILVER
	881420	COVER REED SWITCH ST4 WHITE
34	847316P	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
35	813481	BOLT BLIND END HINGE BRACKET
36	818535	FOOT LEVELLING ASSEMBLY RC
	Includes	WHEEL LEVELLING FOOT ASSY
	Includes	BASE LEVELLING FOOT

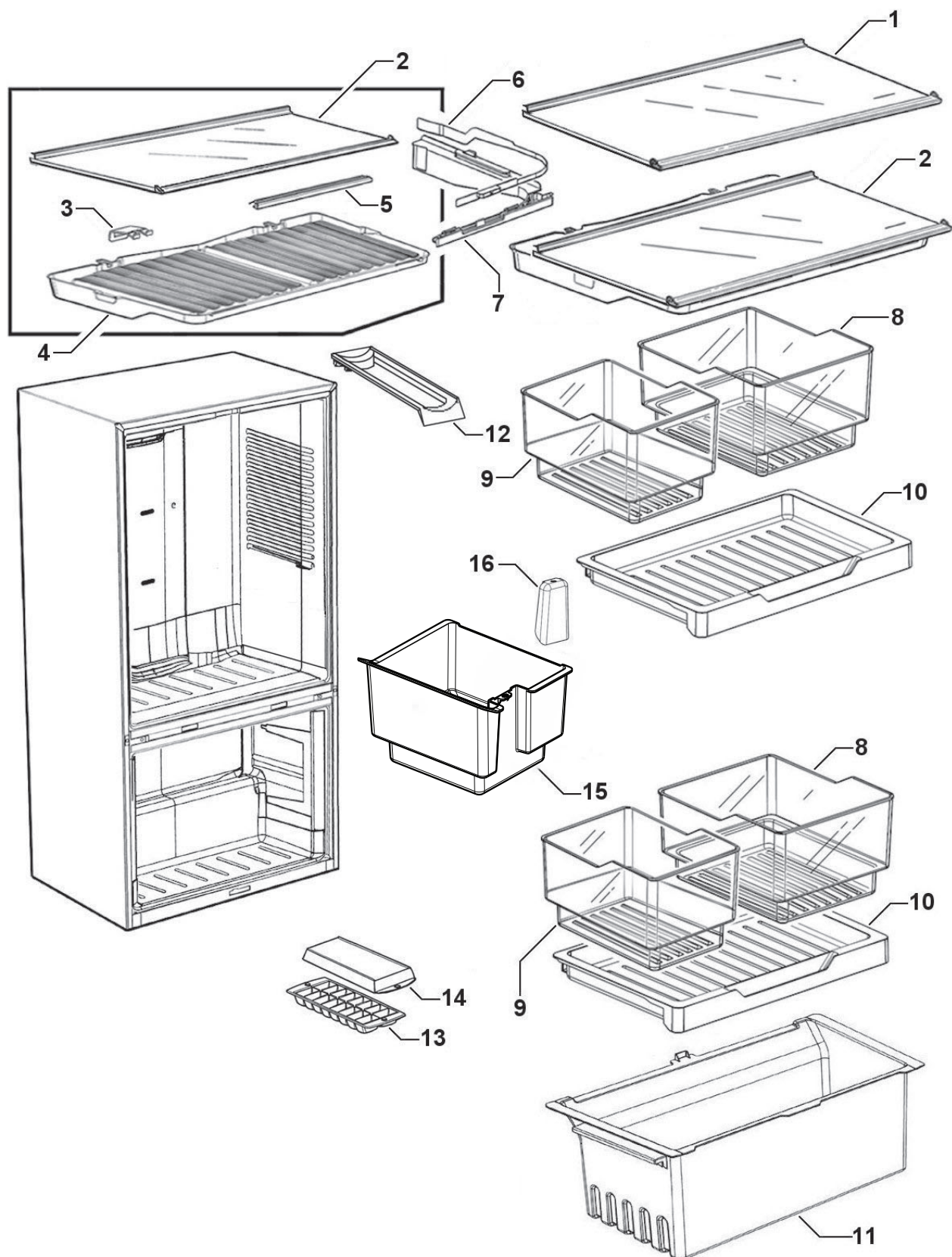
CABINET INTERIOR COMPONENTS



CABINET INTERIOR COMPONENTS

REFERENCE	PART NUMBER	PART DESCRIPTION
1	836751P	SHELF GLASS PC 790 ASSY SC
	Includes	SHELF GLASS PC 790
	Includes	TRIM SHELF PC 790 SC
	Includes	STIFFENER SHELF PC 790 SC
	Includes 836569	PLUG STIFFENER SHELF RH
	Includes 836570	PLUG STIFFENER SHELF LH
	Includes 836567	PLUG TRIM SHELF RH
	Includes 836568	PLUG TRIM SHELF LH
2	836728P	SHELF GLASS HCL 790B ASSY SC
	Includes	SHELF GLASS PC 790
	Includes	TRIM SHELF HCL 790 SC
	Includes	STIFFENER SHELF PC 790 SC
	Includes 836567	PLUG TRIM SHELF RH
	Includes 836568	PLUG TRIM SHELF LH
	Includes 836569	PLUG STIFFENER SHELF RH
	Includes 836570	PLUG STIFFENER SHELF LH
	Includes 819179	RETAINER HCL FRONT 790
	Includes 881268	BRACKET HCL SUPPORT B GL SH (2)
	Includes 836574	LID HUMIDITY CONTROL 790B
	Includes 836631	SLIDE CONTROL HUMIDITY RH
	Includes 836633	SLIDE CONTROL HUMIDITY LH
	Includes 836632	GUIDE CONTROL HUMIDITY RH
	Includes 836634	GUIDE CONTROL HUMIDITY LH
3	881268	BRACKET HCL SUPPORT B GL SH
4	836574	LID HUMIDITY CONTROL 790B
5	836582	RETAINER HCL FRONT 790
6	836631	SLIDE CONTROL HUMIDITY RH
	836633	SLIDE CONTROL HUMIDITY LH
7	836632	GUIDE CONTROL HUMIDITY RH
	836634	GUIDE CONTROL HUMIDITY LH
8	836524	BIN SMALL 790
9	836522	BIN SMALL
10	821142	TRAY 790
11	821404	BIN FC RF522W
12	860593	BOTTLE HOLDER SINGLE

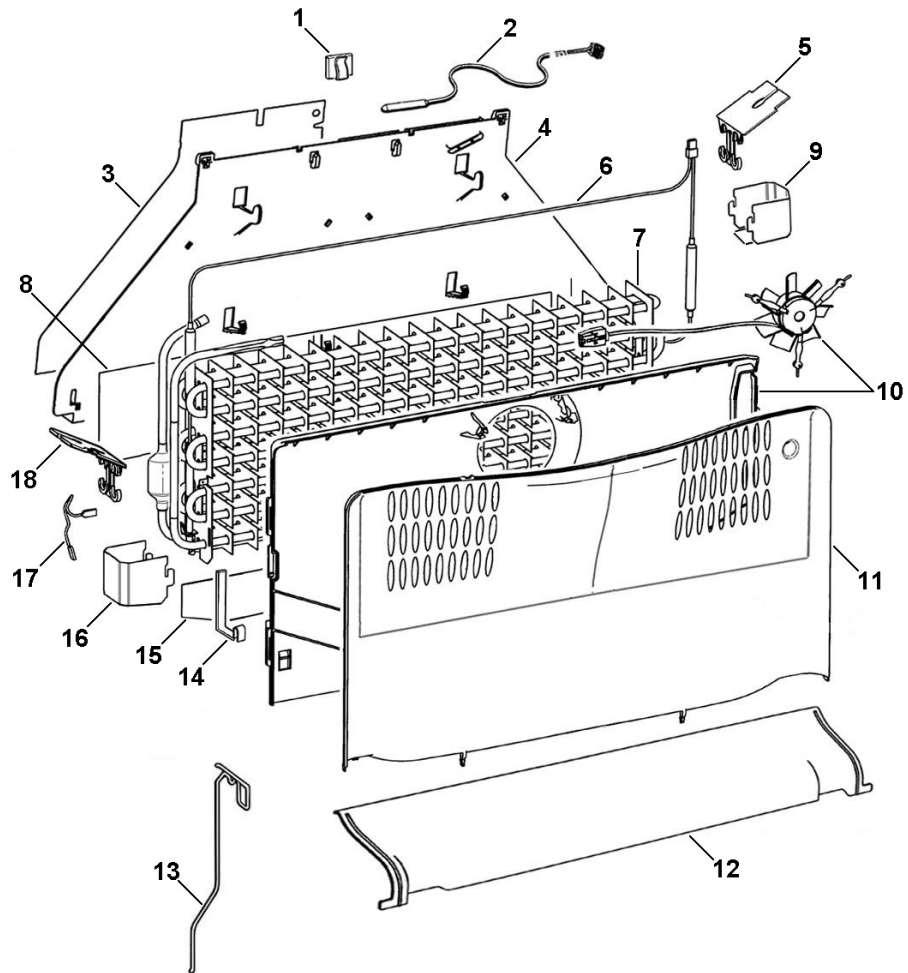
CABINET INTERIOR COMPONENTS



CABINET INTERIOR COMPONENTS

REFERENCE	PART NUMBER	TRAY ICE BASE
13	874107	TRAY ICE LID
14	874108	BIN AND SCOOP ASSEMBLY
15	836886	BIN ICE
	Includes 836928	SCOOP
	Includes 836929	SCOOP ICE
16	836929	SCOOP ICE

EVAPORATOR COMPONENTS

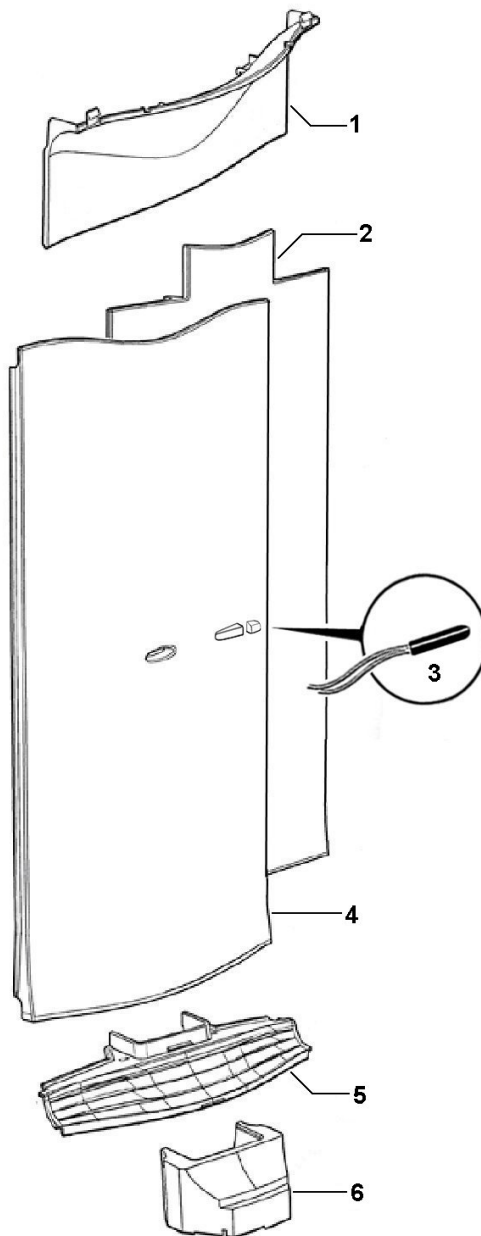


DWG003276 FEBRUARY 2014

EVAPORATOR COMPONENTS

REFERENCE	PART NUMBER	PART DESCRIPTION
1	900236	CORD CLIP ACC - 3N
2	855203P	SENSOR KIT ASSY ACTV SM
	Includes	HEATSHRINK 25MM
	Includes	HARNESS SENSOR PC
	Includes	CONNECTOR BUTT (2)
	Includes	SHEET INSTRUCTN BUTT CONNECTORS
3	884315	DEFLECTOR HEAT 790B
4	814475	CHASSIS EVAP 790B
5	820604	CLIP EVAP BAFFLE
6	818980P	KIT HTR DEF PUR 120V 790
NI	821745	COVER PLUG TYCO
7	838859P	EVAP ASSY 790B R134A 120V
	Includes	EVAPORATOR FINNED DENSE 790
	Includes 818980	HEATER DEFROST 230V 790
	Includes 813992	CLIP ACTIVE SMART BAFFLE
	Includes 820604	CLIP EVAP BAFFLE
	Includes 814475	CHASSIS EVAP 790B
	Includes 814713	SHIELD EVAP CHASSIS 790B
	Includes 814708	SHIELD HEATER LEFT HAND
	Includes 814709	SHIELD HEATER RIGHT HAND
	Includes 884315	DEFLECTOR HEAT 790B
8	814713	SHIELD EVAP CHASSIS 790B
9	814709	SHIELD HEATER RIGHT HAND
10	848316P	FAN FC 3W KIT 790 SERIES A TO
	Includes 880279	SHIELD HEATER FC COVER 790
	Includes	COVER FAN FC REAR 790
	Includes	CONNECTOR IDC UP2 (2)
	Includes	LABEL WARNING 12 VOLT DC
	Includes	FAN DC SUSPENDED FC ASSY
11	873395	COVER FAN FC FRONT E790B
12	836595	DUCT RETURN AIR FC 790
13	838902	WIRE DRAIN HEATER SINGLE B MEP
14	814653	CLIP DEFOST HEATER B EVAP
15	883783	SHIELD FC REAR COVER 790
16	814708	SHIELD HEATER LEFT HAND
17	814460	HARNESS EARTH 100MM
18	813992	CLIP ACTIVE SMART BAFFLE

DUCT COVER COMPONENTS



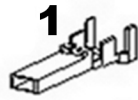
DWG002944 FEBRUARY 2013

DWG 002944

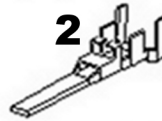
DUCT COVER COMPONENTS

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

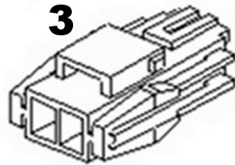
TERMINAL, PLUGS & SOCKETS



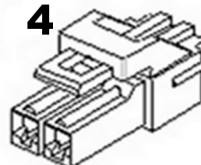
JST SOCKET TERMINAL



JST PIN TERMINAL



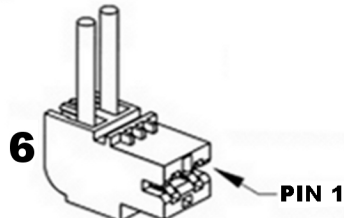
JST SOCKET



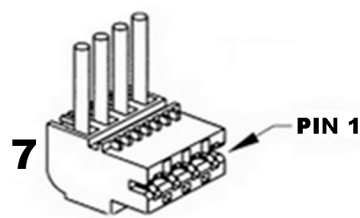
JST PLUG



JST RETAINER

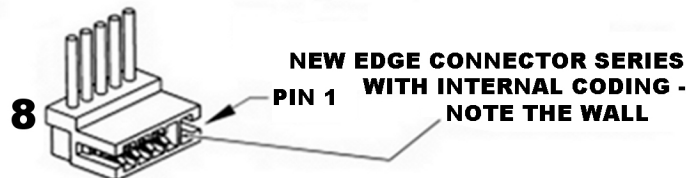


RAST CONNECTOR



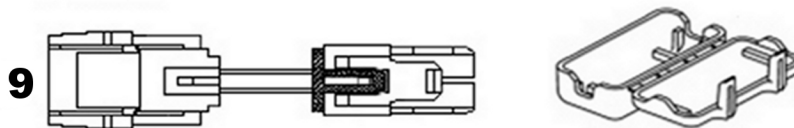
RAST CONNECTOR

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.

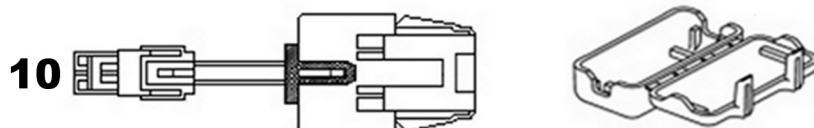


RAST CONNECTOR

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

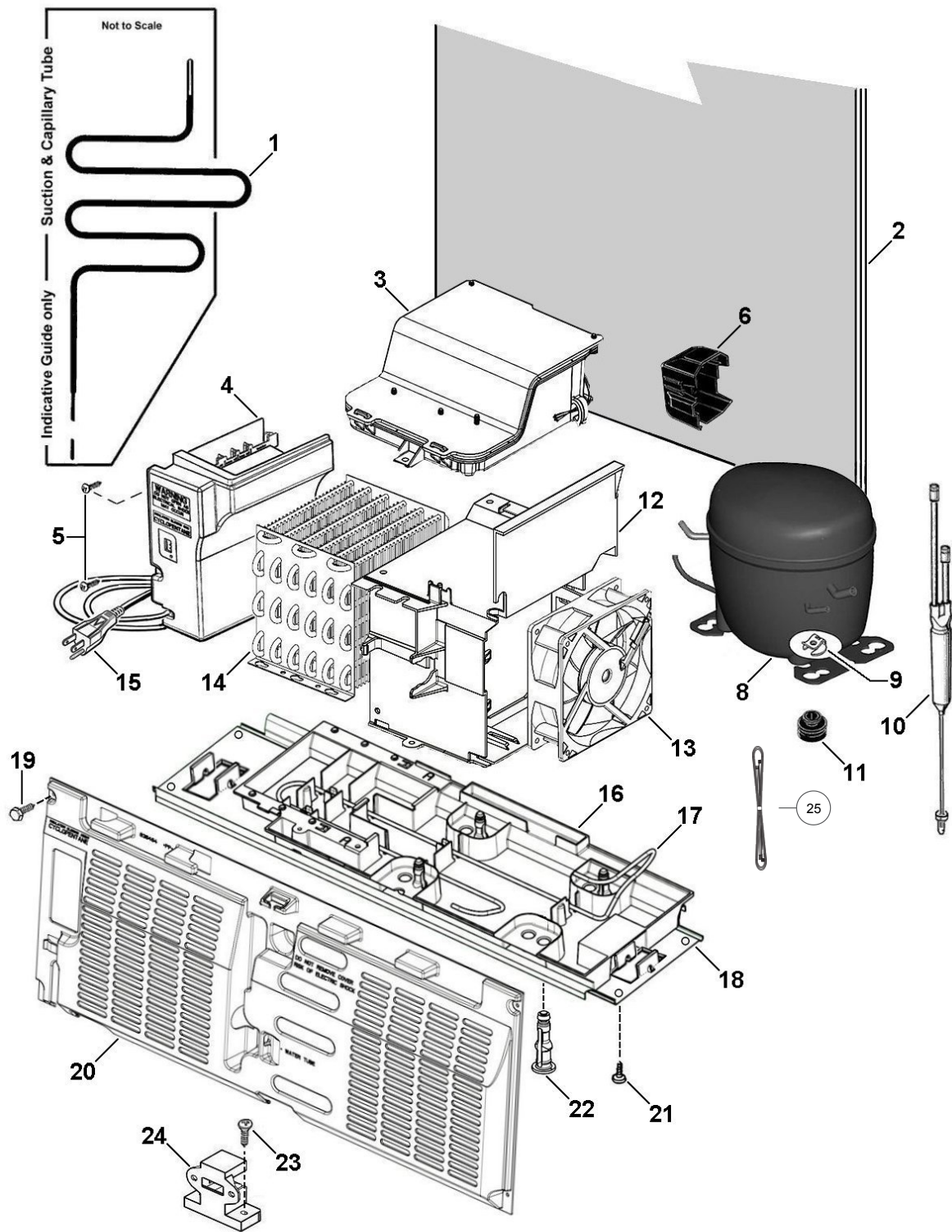
DWG002630 FEBRUARY 2012

TERMINAL, PLUGS & SOCKETS

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



COMPRESSOR AREA COMPONENTS

REFERENCE	PART NUMBER	PART DESCRIPTION
1	883874	SUCTION & CAPILLARY ASSY 790B
2	878178	PANEL BACK FORMED 790
3	207391	INVERTER EMB VESA6H 115V
4	847818P	MOD CNTRL F AS51 120-230V SVC
5	817829P	SCREW #8X16 SP PAN NIB ST TV (PKT 10)
6	207310	COVER PROTECTOR VEM
8	207390P	COMPR PKD EMB VESA6H
	Includes 846619	HARNESS MOD VCC UL EMB
	Includes 207342	COVER PROTECTOR PAN EEI
	Includes 838197P	MOD CNTRL MT 120V SVC
	Includes 207265	GROMMET COMPR MTG 26MM (4)
	Includes 838454	PIN LOCKING COMP (4)
	Includes 855270P	CLIP FOOT COMPRESSOR (4)
	Includes 814843P	FILTER DRIER LONG TAIL XH9 12 GRM
9	855270P	CLIP FOOT COMPRESSOR (PKT 4)
10	814843P	FILTER DRIER LONG TAIL XH9 12GRM
11	207265	GROMMET COMPR MTG 26MM
12	838644	HOUSING FAN INV
13	838855P	FAN CONDENSER
14	838455	CONDENSER EXT 6 PASS
15	837802	CORD SET USA MODEL
16	838378	HOUSING CONDENSER BASE
17	839026	TUBE EVAP TRAY FORM H_SHRINK
18	838488	TRAY COMP MNTG 790
19	817834P	SCREW #8X16 HEX (PKT 10)
20	838484	COVER COMP EXT COND 790
21	817829P	SCREW #8X16 SP PAN NIB ST TV (PKT 10)
22	838454	PIN LOCKING COMP
23	815267P	SCREW #10X40 TAB PAN PH STS TV (PKT 10)
24	880911	BRACKET STABILITY ASSY
25	846619	HARNESS MOD VCC UL EMB

FISHERPAYKEL.COM

© Fisher & Paykel Appliances LTD 2018. All rights reserved.

The product specifications in this booklet apply to the specific products and models described at the date of issue. Under our policy of continuous product improvement, these specifications may change at any time. You should therefore check with your Dealer to ensure this booklet correctly describes the product currently available.

US CA

PRODUCT CODE: 25066-C 06.18