



WHIRLPOOL AUSTRALASIA

CONSUMER SERVICES

SERVICE MANUAL

TOP MOUNT REFRIGERATOR

**Models WRX38RWH6
WRX42RWH6**

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This documentation is intended only for qualified technicians who possess the required qualifications and are aware of the regulatory requirements applicable to servicing electrical appliances.

CONTENTS

	Page
PRODUCT SPECIFICATIONS	3
ELECTRICAL SPECIFICATIONS	4
CIRCUIT DIAGRAM	4
SERVICE ACCESS	5
SERVICING FREEZER COMPARTMENT	6
SERVICING REFRIGERATOR COMPARTMENT	7
EXPLODED VIEW -Freezer Compartment	8
PARTS LIST - Freezer Compartment	9
EXPLODED VIEW - Refrigerator Compartment	10
PARTS LIST - Refrigerator Compartment	11
EXPLODED VIEW- Door Parts	12
PARTS LIST - Door Parts	13
EXPLODED VIEW - Cabinet and Unit Parts	14
PARTS LIST - Cabinet and Unit Parts	15

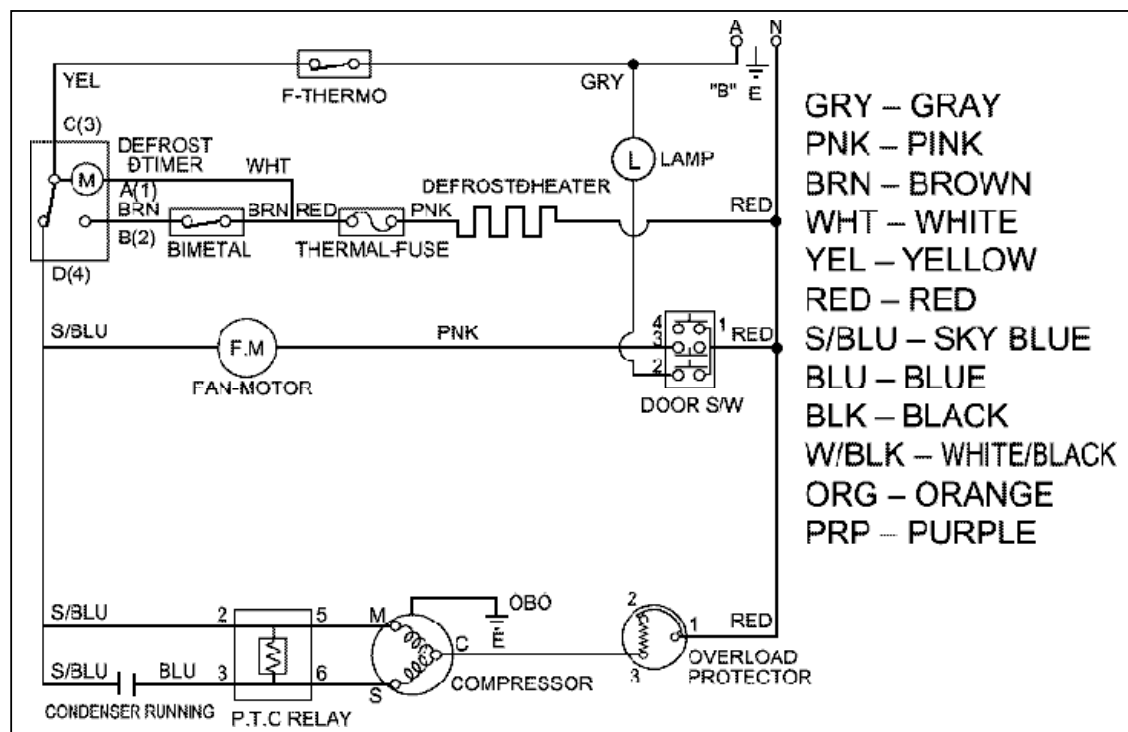
PRODUCT SPECIFICATION

Model		WRX38RWG6	WRX42RWG6
Electrical Ratings		230 - 240 V, 50 Hz, 0.85 A, 140 W	
Capacity Litres	Freezer	118	118
	Refrigerator	244	266
	Total	362	384
Dimensions mm	Width	670	670
	Depth	665	665
	Height	1690	1760
Shipping Mass kg		77	80
Net Mass kg		67	70
Refrigerant		150 grams R134a	
Temperature Control	Freezer	Thermostat	
	Refrigerator	Thermostatically controlled air flap valve	
Defrost Control		Automatic	
Thermal Insulation		Cyclo-pentane	
Liner/Door Panel		ABS Plastic	
Accessories			
Door Storage	Freezer	2 Shelves	
	Refrigerator	2 Shelves 1 Bottle Shelf 2 Variety Shelves	
Cabinet Storage	Freezer	1 Shelf 2 Ice Trays 1 Ice Storage Bin	
	Refrigerator	3 Shelves 1 Tray Chilled Room 1 Vegetable Crisper	
	Lamp	1 Refrigerator	
	Rolling Castors	2 Rear - 2 Front	
	Level Adjustment	Adjustable Front Feet	

ELECTRICAL SPECIFICATION

Model		WRN28RWG6	WRN32RWG6
Compressor	Model	SD162QL1U/E01	
	Starter Type	RSCR	
	Oil Charge	FREOL α – 15C / 200 ml	
Evaporator		Split Fin Type	
Condenser		Forced and Natural Cooling	
Drier		Molecular Sieve	
Capillary Tube		0.75mm O.D. x 2450mm	
Defrost	Bimetal	On : -5 $\pm$ 3°C Off : 12 $\pm$ 3°C	
Thermostat	Thermal Fuse	250V, 10 A	
Assembly		72 $\pm$ 4°C	
Defrost	Type	TMDE714A1	
Timer	Cycle	6h 35min	
	Defrost Time	13min $\pm$ 40s	
Start Relay	Model	J531Q35E330M385-2	
Over-load	Model	4TM222 PHBYY-53	
Protector	Temperature	Open : 125 $\pm$ 5°C Close : 69 $\pm$ 9°C	
Capacitor		3.5 μ F 350Vac	
Defrost Heater		130W 443 Ω	
Lamps		230 - 240V, 15W	

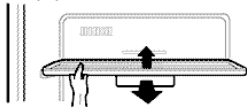
CIRCUIT DIAGRAM



SERVICE ACCESS

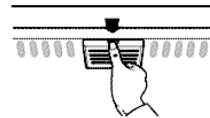
To remove shelves in the freezing compartment

- First remove the icemaking moulds. Tilt the shell up at front, then lift it up pull it out of the tracks.



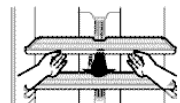
To remove bio deodorizer

- While pushing the front end knob of the bio deodorizer, pull it downward to disengage.



To remove shelves in the refrigerating compartment

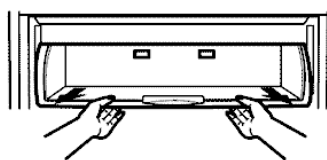
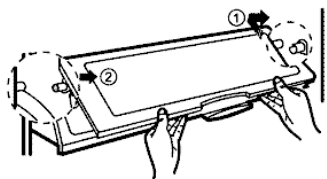
- Hold the shelf by the front and pull it forward of the rack.



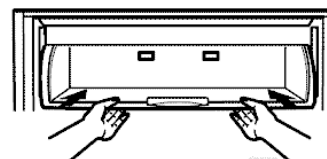
To remove shelves in the chilled compartment

- Lift up the cover, push the cover to the right (as shown) until the mounting hook(1) disengages, then disengage the other mounting hook (2) and pull out the cover.
- Pull the shelf forward until it stops. then lift it up and pull it out.

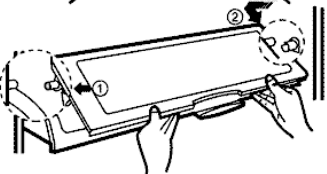
Disassemble



Reassemble



- With shelf front raised slightly, engage the roller between the rails and slide it back.
- To replace the cover, first engage the mounting hook (1) as shown, then engage the other hook (2) and push in.



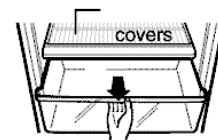
To remove door bins

- While pushing the bin to the left, lift it up to disengage.



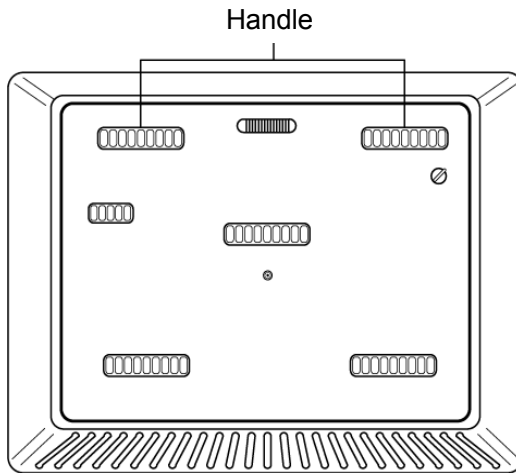
To remove storage drawers and covers

- Lift up to remove the cover. Pull the drawer half way out, then lifting it up, pull it out completely.

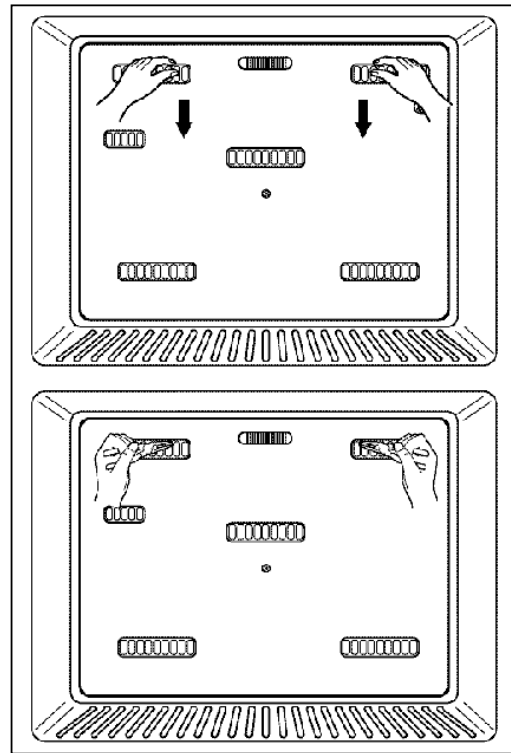
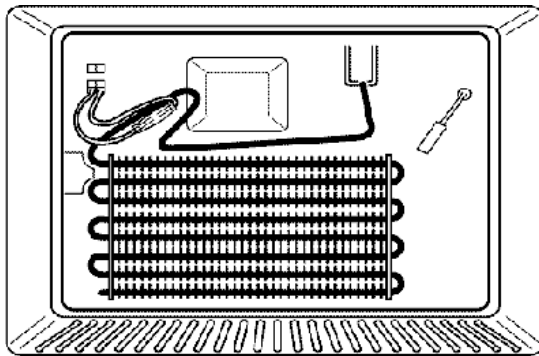


SERVICING FREEZER COMPARTMENT

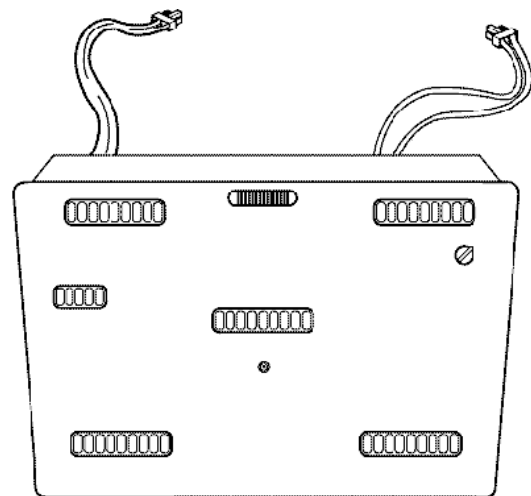
1. Remove the freezer contents
2. Clean and dry the evaporator cover handles
3. Push the handles down at the same time pull the panel forwards



4. Disconnect the wiring harness plugs and remove the evaporator cover assembly.



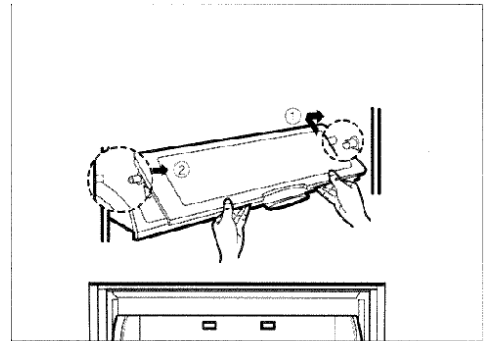
Note: It may be necessary to grip the vents with smooth jawed pliers.



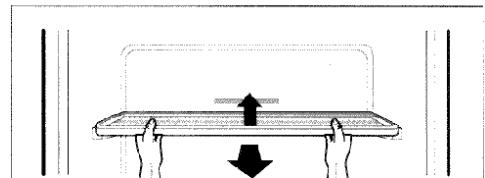
Evaporator Assembly

SERVICING REFRIGERATOR COMPARTMENT

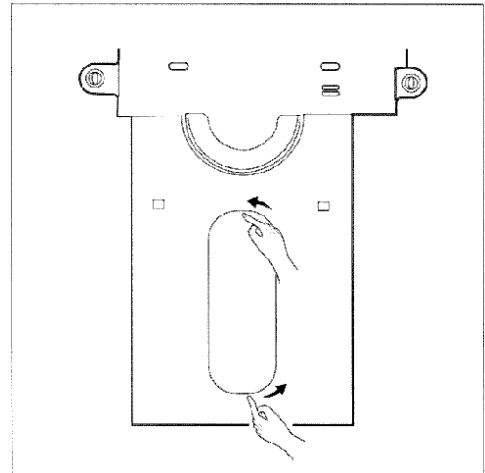
1. Remove the chiller door and tray.
 - Lift and push the cover (as shown) until the mounting pin (1) disengages. Disengage the other mounting pin and remove the door.
 - Pull the tray forward to the stop and then lift and pull the tray clear.



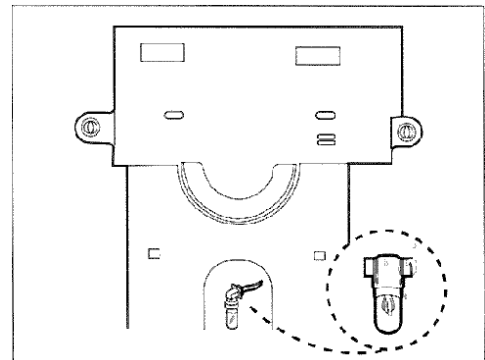
2. Remove the shelves by lifting the front of the shelf and pulling the shelf forward.

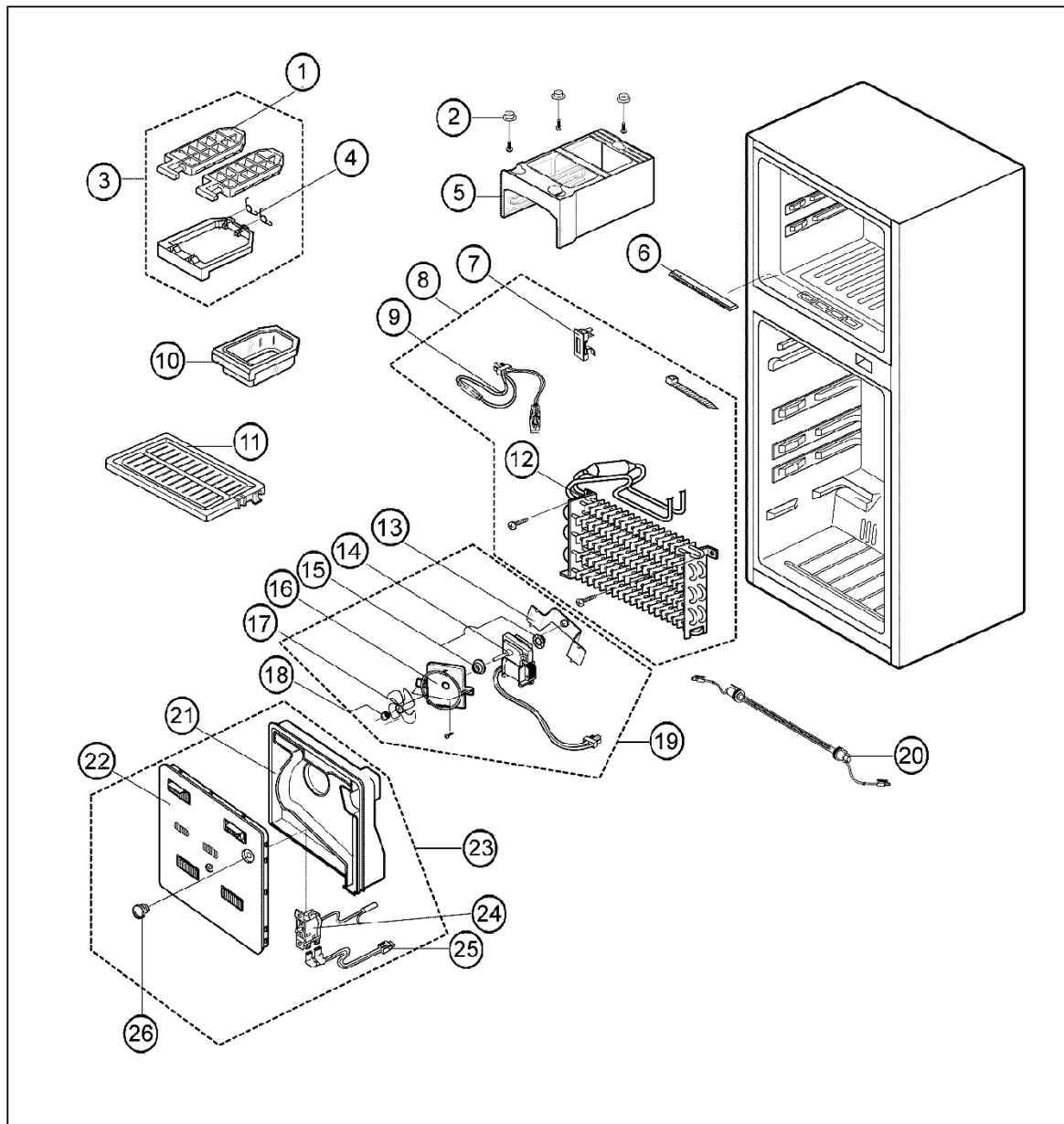


3. Disengage the hooks on the on the lamp cover.



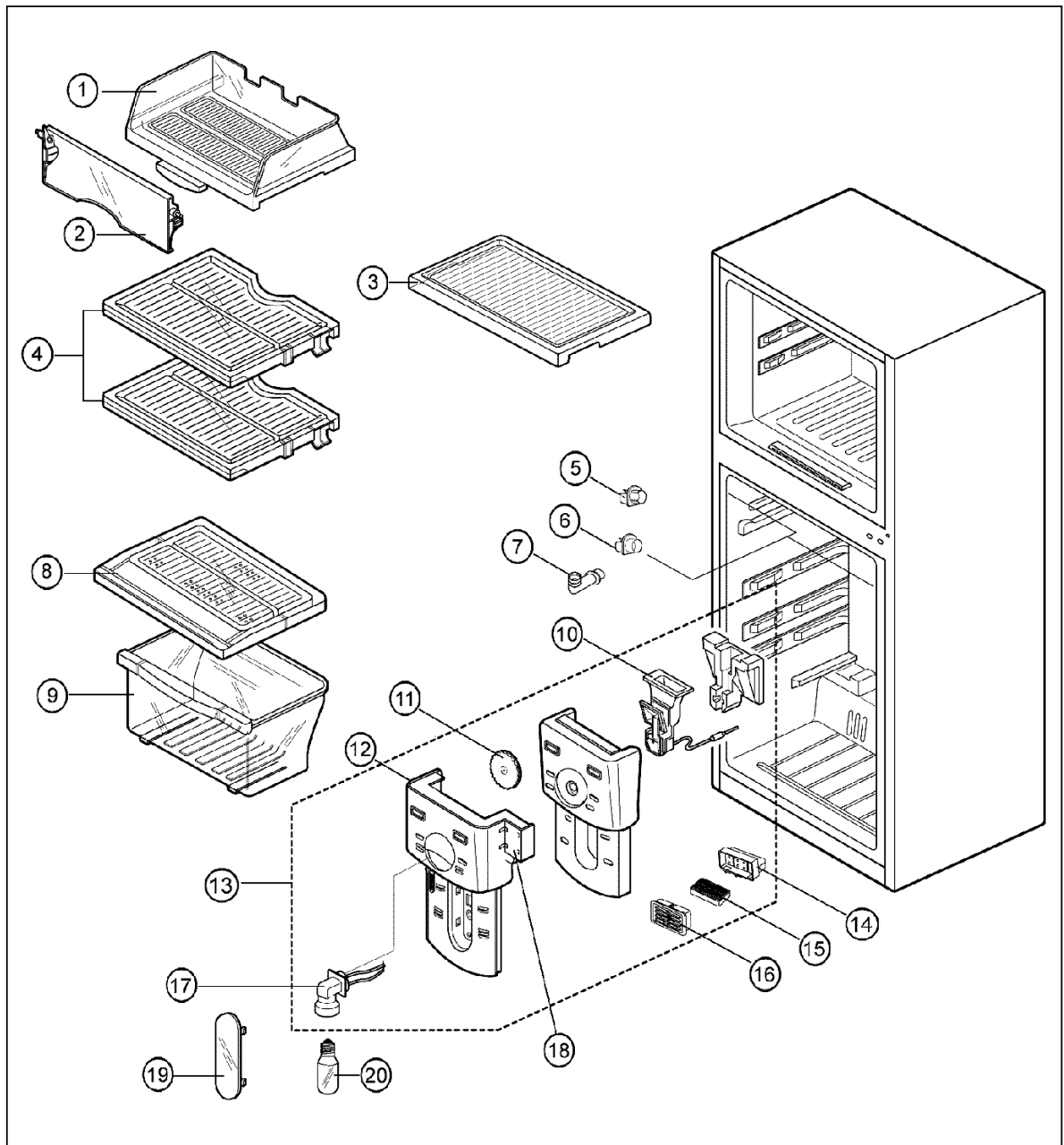
4. Replace the lamp and reassemble by reversing the procedure.



EXPLODED VIEW - Freezer Compartment

PARTS LIST - Freezer Compartment

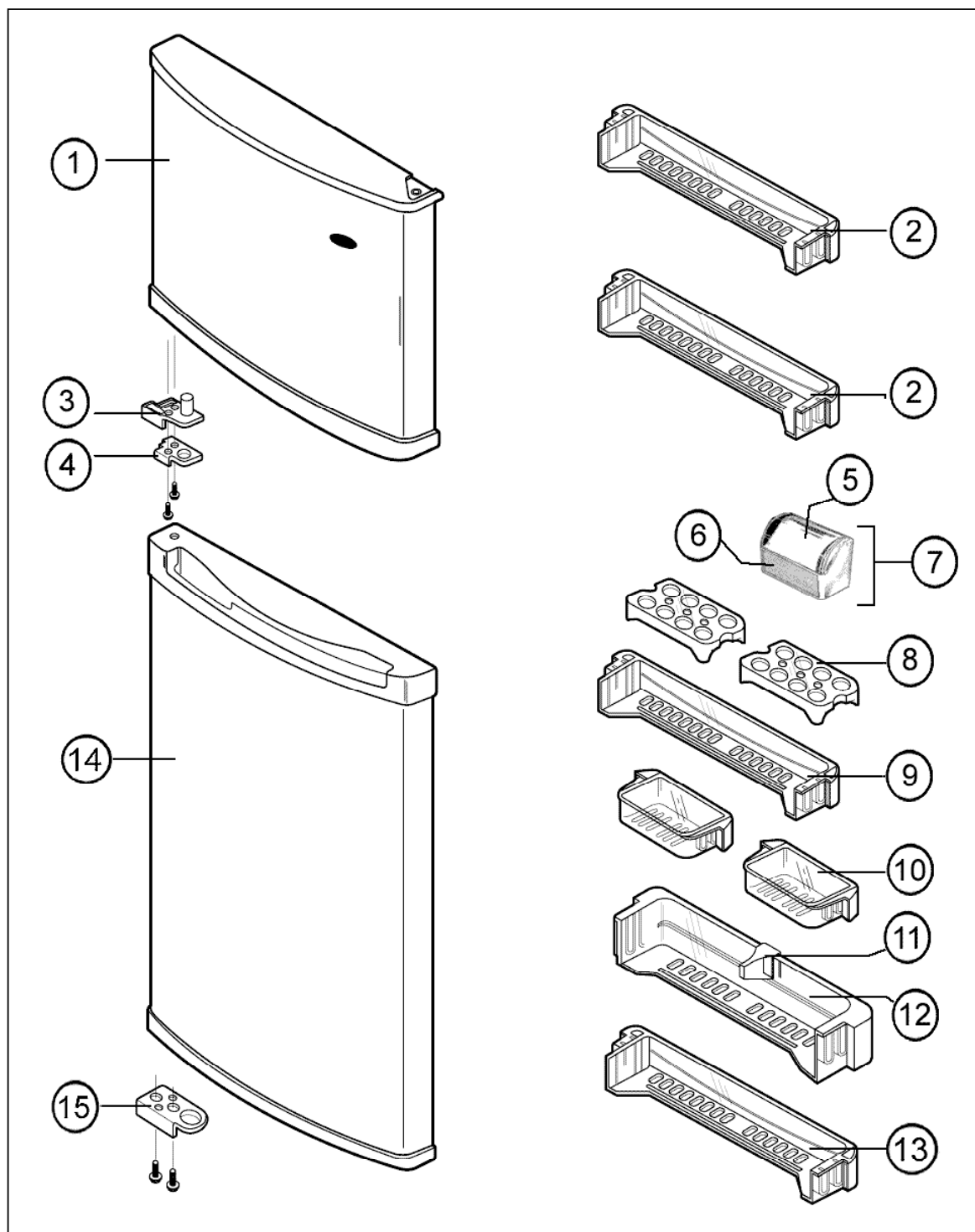
Item	Part No		Description
	WRX38RWH6	WRX42RWH6	
1	DA67-40180A	DA67-40180A	MOULD, ICE CUBE
2	DA71-20252A	DA71-20252A	FIXER GROMMET
3	DA67-10152D	DA67-10152D	CASE, TRAY ICE
4	DA61-20119A	DA61-20119A	SPRING, ICE MAKER
5	DA61-70002A	DA61-70002A	SUPPORT, TRAY, ICE
6	DA63-10886A	DA63-10886A	COVER, AIR RETURN FREEZER FLOOR
7	DA71-20265A	DA71-20265A	LOCATER, THERMO FUSE
8	DA59-40217U	DA59-40217U	EVAPORATOR ASSEMBLY
9	DA47-10150D	DA47-10150D	THERMO FUSE/BIMETAL ASSY, 250V, 10A
10	DA67-10210G	DA67-10210G	BIN, ICE CUBE
11	DA67-20137C	DA67-20137C	SHELF, FREEZER
12	Not available	Not available	EVAPORATOR
13	DA63-11088A	DA63-11088A	REAR COVER, MOTOR
14	DA31-00003D	DA31-00003D	MOTOR, FAN
15	DA63-40119A	DA63-40119A	GROMMET-MOTOR
16	DA63-11089A	DA63-11089A	FRONT COVER, MOTOR
17	DA31-20002A	DA31-20002A	FAN BLADES
18	DA61-20128A	DA61-20128A	SPRING, FAN
19	DA63-11098A	DA63-11098A	COVER / MOTOR ASSY
20	DA47-20195H	DA47-20195H	HEATER, DEFROST, 240V, 130W
21	DA63-11092A	DA63-11092A	COVER, EVAPORATOR REAR
22	DA63-11090D	DA63-11090D	COVER, EVAPORATOR FRONT
23	DA63-11097J	DA63-00216Z	COVER, EVAPORATOR ASSY
24	DA47-10107M	DA47-10107M	THERMOSTAT, FREEZER, PFN-174S-05C
25	DA39-20124A	DA39-20124A	WIRING HARNESS, FREEZER THERMOSTAT
26	DA64-40126F	DA64-40126F	KNOB, THERMOSTAT FREEZER
-	DA47-10115A	DA47-10115A	THERMO FUSE, (Microtemp) 250V, 10A, +72C (Not shown)

EXPLODED VIEW - Refrigerator Compartment

PARTS LIST - Refrigerator Compartment

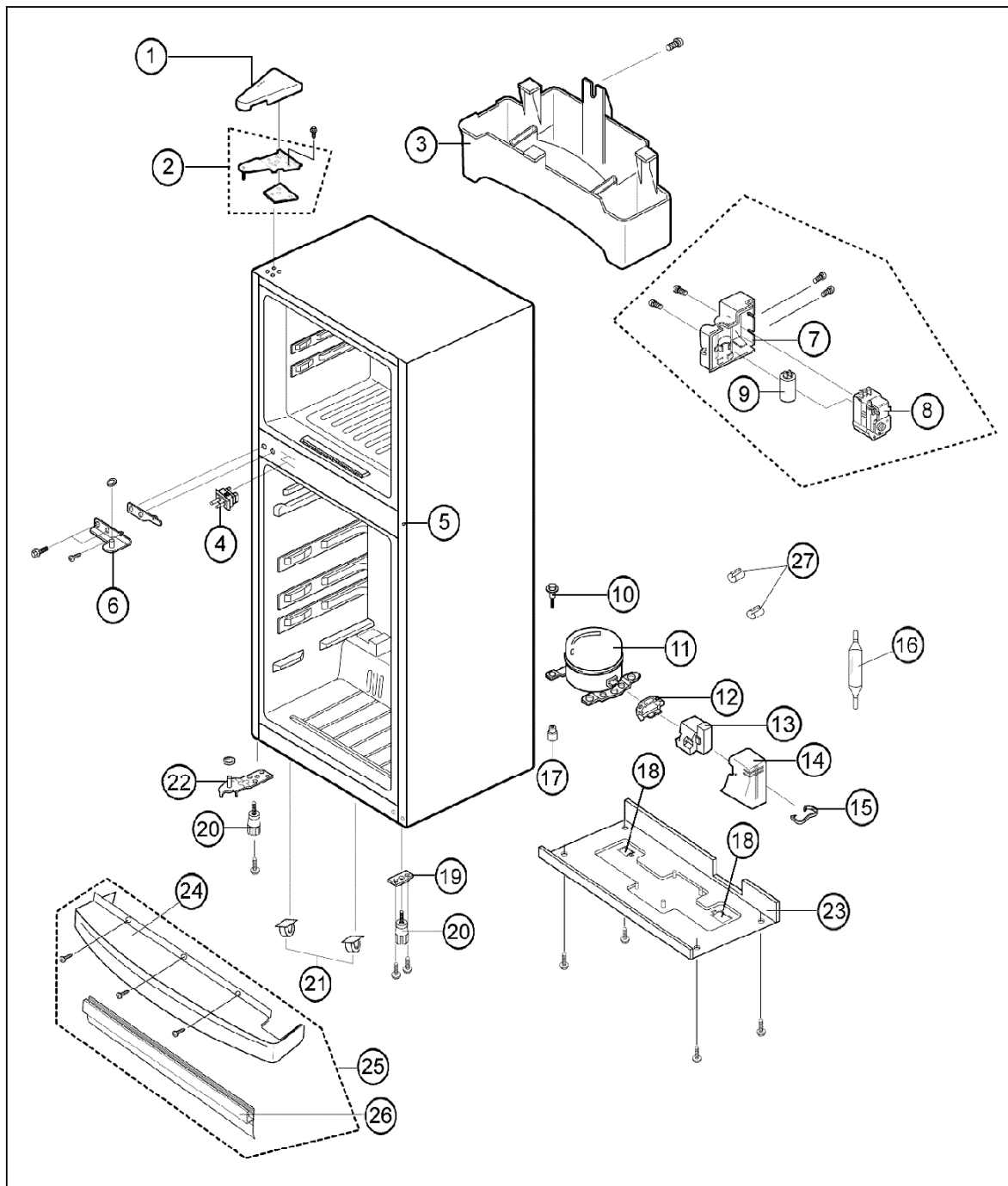
Item	Part No		Description
	WRX38RWH6	WRX42RWH6	
1	DA67-40140D	DA67-40140D	TRAY, CHILL ROOM
2	DA63-10982J	DA63-10982J	COVER, CHILL ROOM
3	DA67-20137C	DA67-20137C	SHELF, FREEZER
4	DA67-20341A	DA67-20341A	SHELF, REFRIGERATOR
4	DA67-20345F	DA67-20345F	SHELF, REFRIGERATOR ASSY (With aluminium trim)
5	DA63-40131A	DA63-40131A	GROMMET, COVER CHILL, RIGHT
6	DA63-40129A	DA63-40129A	GROMMET, COVER CHILL, LEFT
7	DA74-30234C	DA74-30234C	DRAIN, HOSE
8	DA63-10255C	DA63-10255C	COVER, VEGETABLE CRISPER
9	DA67-00325A	DA67-00325A	CRISER, VEGETABLE
10	DA67-10264B	DA67-10264B	DAMPER ASSY
11	DA64-40162B	DA64-40162B	KNOB, THERMOSTAT, DAMPER, REFRIGERATOR
12	DA63-10002F	DA63-10002F	COVER, DAMPER
13	DA47-30156G	DA47-30156G	REFRIGERATOR TOWER ASSEMBLY, COMPLETE
14	DA67-10443A	DA67-10443A	CASE, CARBON FILTER
15	DA02-90106H	DA02-90106H	CARBON FILTER ELEMENT
16	DA63-10461A	DA63-10461A	COVER, CARBON FILTER
17	DA47-40112L	DA47-40112L	LAMP HOLDER, 250V, 1A
18	DA67-30266D	DA67-30266D	CAP, SCREW, DAMPER COVER
19	DA63-11094A	DA63-11094A	COVER, LAMP REFRIGERATOR
20	4713-000213	4713-000213	LAMP, 240V, 15W
-	DA64-00244C	DA64-00244C	TRIM, SHELF, ALUMINIUM (Not shown)

EXPLODED VIEW - Door Parts



PARTS LIST - Door Parts

Item	Part No		Description
	WRX38RWH6	WRX42RWH6	
1	DA91-00789F	DA91-00789F	DOOR, FREEZER
2	DA63-20167R	DA63-20167R	GUARD, FREEZER
3	DA71-40116P	DA71-40116P	STOPPER, DOOR, MID
4	DA71-40133C	DA71-40133C	STOPPER, DOOR, MID
5	DA63-00482A	DA63-00482A	LID, DAIRY
6	DA67-00323A	DA67-00323A	CASE, DAIRY
7	DA67-00324A	DA67-00324A	CASE, DAIRY ASS'Y
8	DA67-40179C	DA67-40179C	TRAY, EGG
9	DA63-00651F	DA63-00651F	GUARD, EGG
10	DA63-20187L	DA63-20187L	GUARD, VARIETY
11	DA71-70178B	DA71-70178B	GUIDE, BOTTLE
12	DA63-20168L	DA63-20168L	GUARD, BOTTLE
13	DA63-20167S	DA63-20167S	GUARD, BOTTOM, REFRIGERATOR DOOR
14	DA91-10343W	DA91-10344U	DOOR ASSY, REFRIGERATOR
15	DA71-40125A	DA71-40125A	STOPPER, DOOR, LOWER

EXPLODED VIEW - Cabinet and Unit Parts

PARTS LIST - Cabinet and Unit Parts

Item	Part No		Description
	WRX38RWH6	WRX42RWH6	
1	DA63-00017A	DA63-00017A	COVER, UPPER HINGE
2	DA61-00014B	DA61-00014B	HINGE, UPPER ASSY
3	DA67-40309A	DA67-40309A	TRAY, DRAIN WATER
4	DA34-10122D	DA34-10122D	SWITCH-DOOR, 250V, 0.7A
5	DA67-30218R	DA67-30218R	CAP, SCREW
6	DA61-10220D	DA61-10220D	HINGE, MID ASSY
7	DA67-10430D	DA67-10430D	CASE, JUNCTION
8	DA45-10003C	DA45-10003C	TIMER, DEFROST, 220V, 50~60Hz, 6HR
9	2501-000427	2501-000427	CAPACITOR, 3.5uF, 350V
10	DA60-20008A	DA60-20008A	BOLT-HEX, COMPRESSOR
11	SD162QL1U/E01	SD162QL1U/E01	COMPRESSOR, RSCR, 220~240V-50Hz
12	DA34-10003A	DA34-10003A	OVER LOAD CUTOUT, 4TM222PHBYY-53
13	DA35-10013B	DA35-10013B	START RELAY (PTC), J531Q35E330M385-2
14	DA63-10722A	DA63-10722A	COVER, RELAY
15	DA65-20113A	DA65-20113A	CLAMP, RELAY COVER
16	DA73-30102B	DA73-30102B	DRYER, ASSY
17	DA63-40234C	DA63-40234C	GROMMET, COMPRESSOR
18	DA61-40125A	DA61-40125A	CASTOR, REAR
19	DA61-70256A	DA61-70256A	SUPPORT PLATE, FOOT
20	DA61-00184A	DA61-00184A	FOOT, FRONT
21	DA61-40115B	DA61-40115B	CASTOR, FRONT
21	DA61-40126A	DA61-40126A	CASTOR WHEEL, FRONT
22	DA61-10150B	DA61-10150B	HINGE, LOWER
23	DA71-60196K	DA71-60196K	CHASSIS, COMPRESSOR ASSY
24	DA63-10252J	DA63-10252J	COVER, TRAY, WATER
25	DA63-01008F	DA63-01008F	COVER, TRAY/WATER ASSY
26	DA64-20189A	DA64-20189A	TRIM, PLATE ABSORBER
27	DA63-40171D	DA63-40171D	GROMMET, SUCTION PIPE, BLK
-	DA67-30114B	DA67-30114B	CAP, DRAIN (Not shown)
-	DA39-10106F	DA39-10106F	POWER CORD (Not shown)