

Service Manual

Refrigerator

NR-BY552XS
NR-BY552XW
NR-BY602XS



NR-BY552XS, XW

NR-BY602XS

Product Colour

Stainless Touch (XS)
Korean White (XW)

Destination

Thailand, Malaysia, Singapore
Indonesia, Vietnam, India
Philippines, GULF, PGF
Australia/New Zealand



CFCs have been used in refrigerant as refrigerator and the insulation materials for many years. But it is now known that these compounds which once seemed so ideal for use as cleaning agents and in refrigeration systems, destroy the earth's ozone layer as a result, an international body decided on a total worldwide ban of harmful CFCs by the end of 1995.

⚠ WARNING

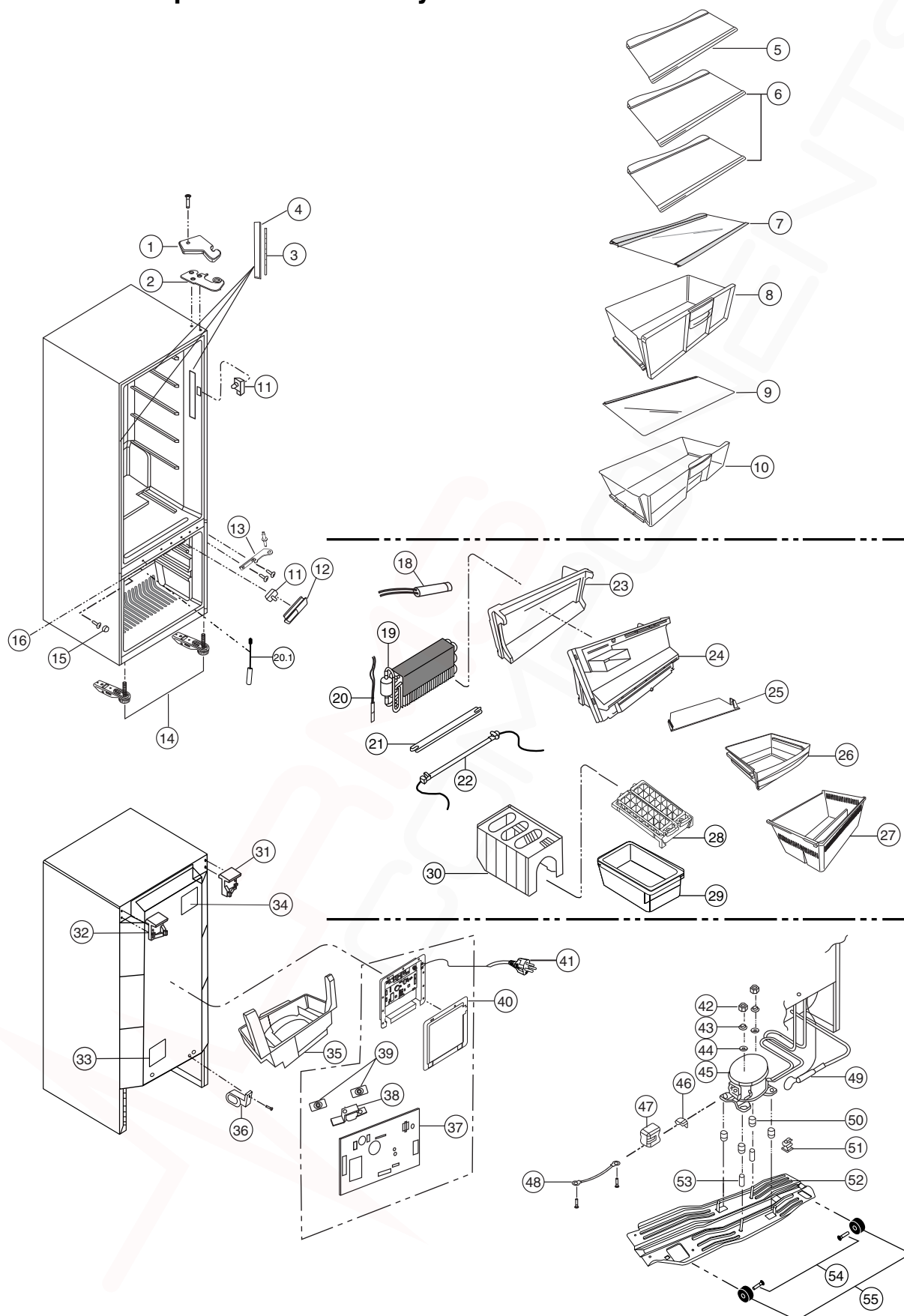
The service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt within this service information by anyone else could result in serious injury or death.

IMPORTANT SAFETY NOTICE

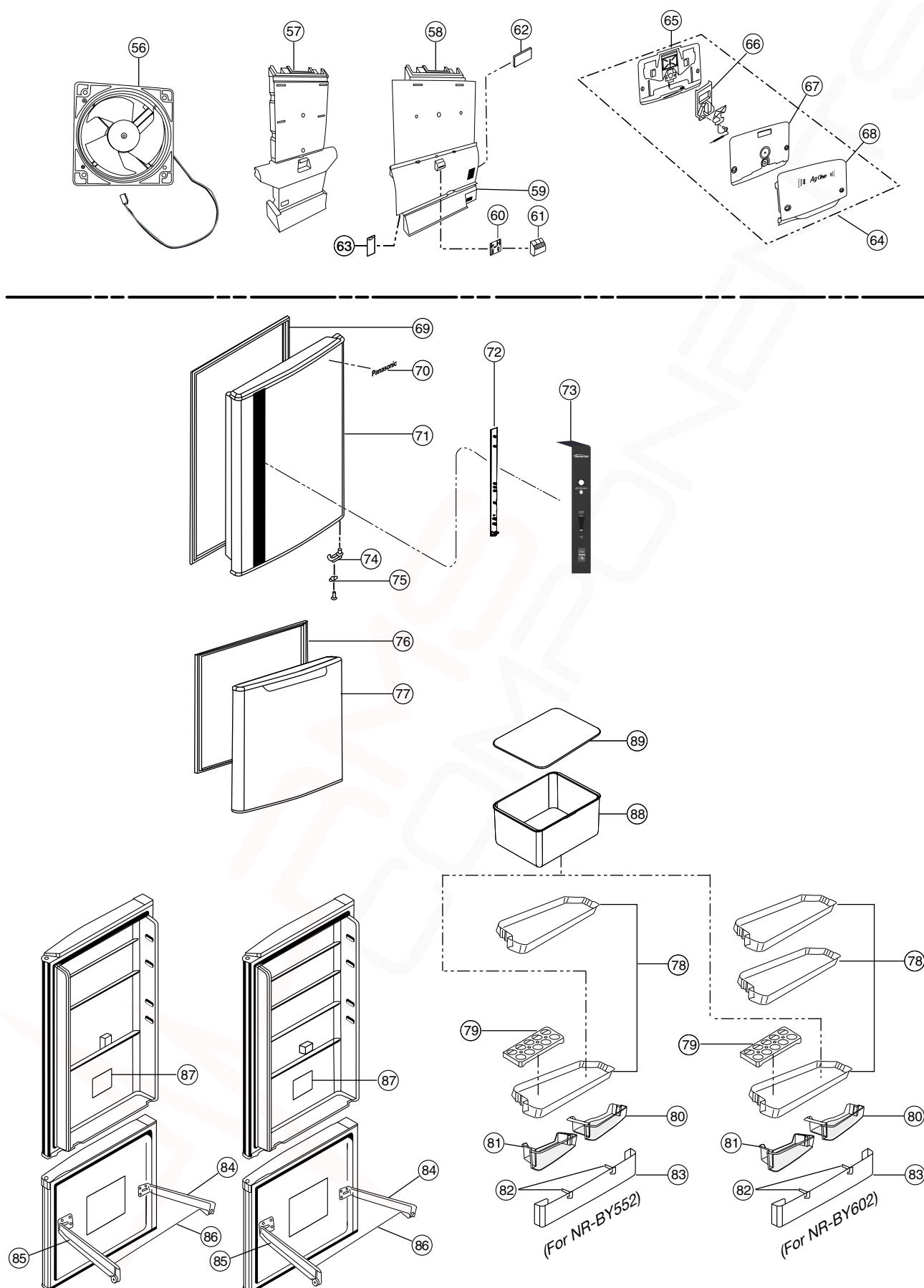
There are special components used in this equipment which are important for safety. These parts are marked by ⚠ in the Schematic Diagrams, Circuit Board Diagrams, Exploded Views and Replacement Parts List. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire or other hazards. Do not modify the original design without permission of manufacturer.

13. PARTS EXPLODED VIEW AND REPLACEMENT PARTS LIST

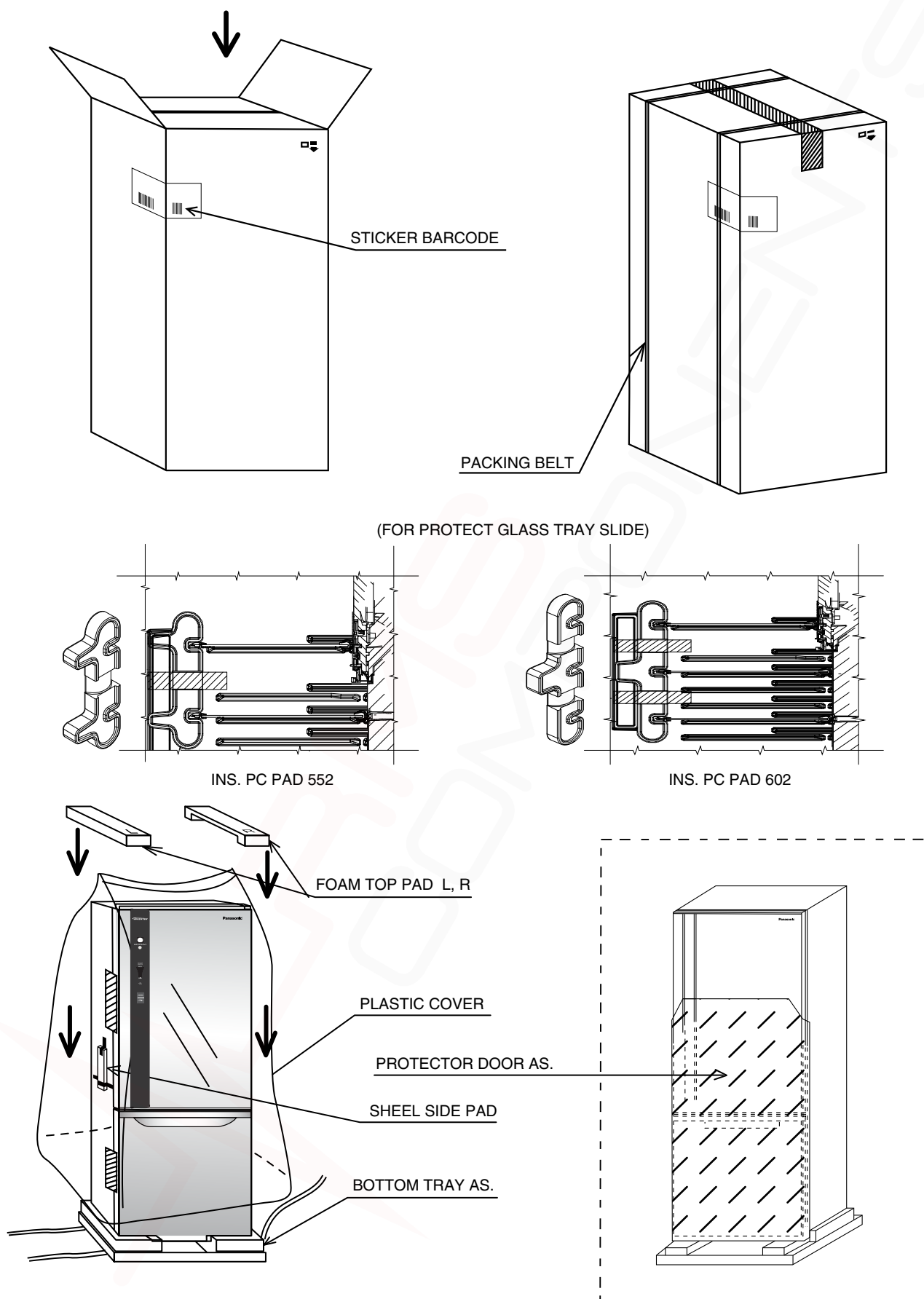
13.1 Parts Exploded View : Body



13.2 Parts Exploded View : Door



13.3 Parts Exploded View : Packing



Important safety notice :

Components identified by mark have special characteristics important for safety.

When replacing any of these components, use only manufacturer's specified part.

13.4 Replacement Part List : NR-BY552XS, XW / NR-BY602XS**Parts List**

REF. NO.	PART NAME	PART. NO.	SAFETY	MODEL / Q'TY			REMARK
				BY552		BY602	
				XS	XW	XS	
1	COVER HINGE TOP - XS	CNRAE-139331		1		1	
	COVER HINGE TOP - XW	CNRAE-140950			1		
2	HINGE TOP	CNRAE-139022	S	1	1	1	
3	PAS-BW/BY (LED PCB)	CNRBG-181511		2	2	3	
4	COVER LED LAMP R	CNRAH-291582		1	1	1	SIDE : RIGHT
	COVER LED LAMP L	CNRAH-290283		1	1	2	SIDE : LEFT AND UPPER
5	GLASS TRAY TS AS.	CNRBH-139562		1	1	1	
6	GLASS TRAY T AS.	CNRBH-138623		1	1	2	
7	GLASS TRAY CRISPER AS.	CNRBH-138873		1	1	1	
8	CRISPER AS.	CNRBH-138642		1	1	1	
9	GLASS TRAY CHILLED AS.	CNRBH-138880		1	1	1	
10	CHILLED CASE	CNRAH-261152		1	1	1	
11	DOOR SW.	CNRAG-153290		2	2	2	
12	CASE SW. FC - W	CNRAC-201540		1	1	1	
13	HINGE CENTER	CNRAE-139010	S	1	1	1	
14	CASTER L AS.	CNRBC-324010		1	1	1	SIDE : LEFT
	CASTER R AS.	CNRBC-324020		1	1	1	SIDE : RIGHT
15	CAP PAN H. 4TS (ST)	CNR39-162720		1		1	
16	CAP PAN H. 4TS (W)	CNR39-162431		2	3	2	
18	SENSOR DEF.	CNRAG-140111		1	1	1	
19	COIL	CNRAF-177440		1	1	1	
20	TEMP. FUSE AS.	CNRBG-180841	S	1	1	1	
20.1	SENSOR FCC	CNRAG-164250		1	1	1	
21	COVER RADIANT	CNRAG-163050		1	1	1	
22	HEATER AS. DEFROST	CNRAG-163041	S	1	1	1	
23	INS. COVER COIL F	CNRAF-177452		1	1	1	
24	COVER COIL	CNRAF-177372		1	1	1	
25	PLATE FC	CNRAH-261411		1	1	1	
26	CASE FCT	CNRAH-261171		1	1	1	
27	CASE FCB AS.	CNRBH-138860		1	1	1	
28	ICE CUBE TRAY AS.	CNRBH-135250		1	1	1	
29	BOX ICE TRAY	CNRAH-227460		1	1	1	
30	HOLDER ICE TRAY	CNRAH-261194		1	1	1	
31	HANGER SHELL R	CNRAC-206002		1	1	1	SIDE : RIGHT
32	HANGER SHELL L	CNRAC-206012		1	1	1	SIDE : LEFT
33	LABEL HC BACK	CNRAH-269291	S	1	1	1	LANGUAGE : ENGLISH
		CNRAH-269301	S			1	LANGUAGE : THAI
34	WIRING DIAGRAM	CNRAH-297820		1			FOR XSTH
		CNRAH-293810		1			FOR XSMY
		CNRAH-293820		1			FOR XSSG
		CNRAH-293830		1			FOR XS1D
		CNRAH-293840		1			FOR XSVN
		CNRAH-293850		1			FOR XS1N
		CNRAH-293860		1			FOR XSAU/NZ
		CNRAH-293870		1			FOR XSPH
		CNRAH-293890			1		FOR XWU/NZ
		CNRAH-293720				1	FOR XSTH
		CNRAH-293730				1	FOR XSMY
		CNRAH-293740				1	FOR XSSG
		CNRAH-293750				1	FOR XS1D
		CNRAH-293760				1	FOR XSVN
		CNRAH-293770				1	FOR XS1N
		CNRAH-293780				1	FOR XSPH
		CNRAH-293790				1	FOR XSAE
		CNRAH-293800				1	FOR XSWG
35	PAN WATER EVA. AS.	CNRBF-150371		1	1	1	
36	CLAMP PIPE WATER EVA.	CNRAF-175252		1	1	1	
37	PAS-BY602X (CONTROL)	CNRBG-182680		1	1	1	

Parts List

REF. NO.	PART NAME	PART. NO.	SAFETY	MODEL / Q'TY			REMARK
				BY552		BY602	
				XS	XW	XS	
38	REACTOR	CNRBG-165910		1	1	1	
39	RUBBER REACTOR	CNRAF-156140		2	2	2	
40	COVER CASE BOARD (GI)	CNRAC-214821		1	1	1	
41	SUPPLY CORD AS. - S3P	CNRBG-176222	S	1		1	XSMY, XSSG, XSAE
	SUPPLY CORD AS. - C2P	CNRBG-172281	S	1		1	XS1D, XSVN
	SUPPLY CORD AS. - B3P	CNRBG-172271	S	1		1	XS1N
	SUPPLY CORD AS. - K3P	CNRBG-185900	S	1	1		XSAU/NZ, XWAU/NZ
	SUPPLY CORD AS. - A2P	CNRBG-172291	S	1		1	XSPH
	SUPPLY CORD AS. - C3P	CNRBG-170952	S	1		1	XSTH
	SUPPLY CORD AS. - C2P (SHUKO)	CNRBG-176610	S			1	XSWG
42	HEXAGON NUT 8	CNR38-8170A1		2	2	2	
43	SPRING WASHER 8	CNR38-4270A0		2	2	2	
44	8 WASHER	CNR38-4170A0		2	2	2	
45	COMPRESSOR EF100E13DGH	CNR91-236420		1	1	1	
46	MOTOR PROTECTOR	CNR06-598070	S	1	1	1	
47	PROTECTOR COVER	CNRAG-170460		1	1	1	
48	EARTH WIRE AS. COMP. 230	CNRBG-156650		1	1	1	
49	5 DRYER W	CNR39-340920		1	1	1	
50	RUBBER GROMMET	CNR01-249530		4	4	4	
51	CLAMPER DRYER	CNR39-163082		1	1	1	
52	CROSSRAIL REAR	CNRAF-177400		1	1	1	
53	SLEEVE COMP.	CNRAJ-112932		2	2	2	
54	PIN CASTER	CNR02-325701		2	2	2	
55	ROLLER 40	CNRAC-116280		2	2	2	
56	FAN MOTOR FC	CNRAG-145641		1	1	1	
57	INS. DUCT PC	CNRAH-261251		1	1		
		CNRAH-261241				1	
58	PLATE DUCT PC	CNRAH-261212		1	1		
		CNRAH-261202				1	
59	PLATE DUCT PCB	CNRAH-261223		1	1	1	
60	LED KIBAN (VC)	CNRAG-163022		1	1	1	
61	COVER VC LED	CNRAH-261301		1	1	1	
62	AG BIO FILTER	CNRAH-245521		1	1	1	
63	PIECE DUCT PC	CNRAH-261460		1	1	1	
64	CONTROL PANEL AS.	CNRBH-145150		1	1	1	
65	INS. CONTROL PANEL PCB	CNRAH-261291		1	1	1	
66	BAFFLE DAMPER THERMO AS.	CNRBG-184010		1	1	1	
67	INS. CONTROL PANEL PCF	CNRAH-261282		1	1	1	
68	CONTROL PANEL	CNRAH-261231		1	1	1	
69	GASKET DOOR PC	CNRAD-330972		1	1		
		CNRAD-330962				1	
70	EMBLEM	CNRAD-330991		1	1	1	
71	DOOR AS. PC (FOAM) - XS	CNRBD-365781		1			
	DOOR AS. PC (FOAM) - XW	CNRBD-365792			1		
	DOOR AS. PC (FOAM) - XS	CNRBD-365771				1	
72	PAS-CONTROL (DOOR)	CNRBG-182670		1	1		
		CNRBG-182660				1	
73	COVER CONTROL (SUB) AS. BY552	CNRBD-374340		1			
		CNRBD-374880			1		
	COVER CONTROL (SUB) AS. BY602	CNRBD-374330				1	
74	LATCH DOOR	CNRAE-136513		1	1	1	
75	STOPPER DOOR	CNRAD-335500		1	1	1	
76	GASKET DOOR FC	CNRAD-330981		1	1	1	
77	DOOR AS. FC (FOAM) - XS	CNRBD-365720		1		1	
	DOOR AS. FC (FOAM) - XW	CNRBD-365730			1		
78	SHELF EGG	CNRAD-330772		2	2	3	
79	TRAY EGG 10	CNRAD-338110		1	1	1	
80	SHELF PC R	CNRAD-330711		1	1	1	
81	SHELF PC L	CNRAD-330701		1	1	1	
82	SLIDE STOPPER BOTTLE	CNRAD-330941		2	2	2	
83	SHELF BOTTLE	CNRAD-330693		1	1	1	
84	FRAME AS. FC R	CNRBD-340671		1	1	1	
85	FRAME AS. FC L	CNRBD-340661		1	1	1	
86	SUPPORT REAR	CNRAD-330951		1	1	1	

Parts List

REF. NO.	PART NAME	PART. NO.	SAFETY	MODEL / Q'TY			REMARK
				BY552		BY602	
				XS	XW	XS	
87	LABEL NAME	CNRAH-297790	S	1			FOR XSTH
		CNRAH-293540	S	1			FOR XSMY
		CNRAH-293550	S	1			FOR XSSG
		CNRAH-293560	S	1			FOR XS1D
		CNRAH-293570	S	1			FOR XSVN
		CNRAH-293580	S	1			FOR XS1N
		CNRAH-293590	S	1			FOR XSAU/NZ
		CNRAH-293600	S	1			FOR XSPH
		CNRAH-293620	S		1		FOR XWAU/NZ
		CNRAH-293450	S			1	FOR XSTH
		CNRAH-293460	S			1	FOR XSMY
		CNRAH-293470	S			1	FOR XSSG
		CNRAH-293480	S			1	FOR XS1D
		CNRAH-293490	S			1	FOR XSVN
		CNRAH-293500	S			1	FOR XS1N
		CNRAH-293510	S			1	FOR XSPH
		CNRAH-293520	S			1	FOR XSAE
		CNRAH-293530	S			1	FOR XSWG
88	UTILITY BOX	CNRAD-354431		1	1	1	
89	COVER UTILITY BOX	CNRAD-354441		1	1	1	

Packing List

REF. NO.	PART NAME	PART. NO.	SAFETY	MODEL / Q'TY			REMARK
				BY552		BY602	
				XS	XW	XS	
	PACKING AS.	CNRBK-129600		1			FOR XSTH
		CNRBK-127670		1			FOR XSMY
		CNRBK-127680		1			FOR XSSG
		CNRBK-127690		1			FOR XS1D
		CNRBK-127700		1			FOR XSVN
		CNRBK-127710		1			FOR XS1N
		CNRBK-127720		1			FOR XSAU/NZ
		CNRBK-127730		1			FOR XSPH
		CNRBK-127750			1		FOR XWAU/NZ
		CNRBK-127580				1	FOR XSTH
		CNRBK-127590				1	FOR XSMY
		CNRBK-127600				1	FOR XSSG
		CNRBK-127610				1	FOR XS1D
		CNRBK-127620				1	FOR XSVN
		CNRBK-127630				1	FOR XS1N
		CNRBK-127640				1	FOR XSPH
		CNRBK-127650				1	FOR XSAE
		CNRBK-127660				1	FOR XSWG
	BOTTOM TRAY AS.	CNRBK-119721		1	1	1	
	PLASTIC COVER	CNRAJ-162080		1	1		
		CNRAJ-162070				1	
	TOP PAD R	CNRAK-141801		1	1	1	SIDE : RIGHT
	TOP PAD L	CNRAK-141792		1	1	1	SIDE : LEFT
	INS. PC PAD 552	CNRAK-153040		2	2		FOR PROTECT GLASS TRAY SLIDE
	INS. PC PAD 602	CNRAK-153030				2	FOR PROTECT GLASS TRAY SLIDE
	SHELL SIDE PAD	CNRAK-142810		2	2	2	FOR BOTH SIDE
	PROTECTOR DOOR AS.	CNRBK-117320		1	1	1	
	INSTRUCTION BOOK	CNRAK-157170		1		1	FOR XSTH
		CNRAK-157180		1		1	FOR XSMY
		CNRAK-157190		1		1	FOR XSSG , XSPH
		CNRAK-157200		1		1	FOR XS1D
		CNRAK-157210		1		1	FOR XSVN
		CNRAK-157220		1		1	FOR XS1N
		CNRAK-157240				1	FOR XSAE, XSWG
		CNRAK-157250		1	1		FOR XSAU/NZ, XWAU/NZ

DETAIL CHANGE NOTICE

REVISION	ITEM NO.	PAGE	DETAIL	REMARK
JAN. 2012	1	4	ADD THAILAND MODEL	FOR MODEL : NR-BY552XS
	2	29 - 31	ADD PART NAME & NO. AND Q'TY	FOR MODEL : NR-BY552XSTH
FEB. 2012	1	26, 29	ADD SENSOR FCC	ADD PICTURE, PART NAME & NO.