

Service Manual

REFRIGERATOR

Model No. **NR-F603GT-XU**

Model No. **NR-F603GT-WU**

Product Color -X (MIRROR)
 -W (MATURE WHITE)

Destination U:Australia,New Zealand



-X



-W

WARNING

This 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 with in 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.

•The specifications and the parts of this product are subject to change without notice for performance improvement or other purposes.

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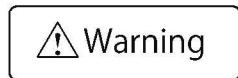
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14 Exploded View and Replacement Parts List

14.1. ABOUT THE PARTS LIST

- Important safety notice:

Components identified by ⚠ mark have special characteristics important for safety.

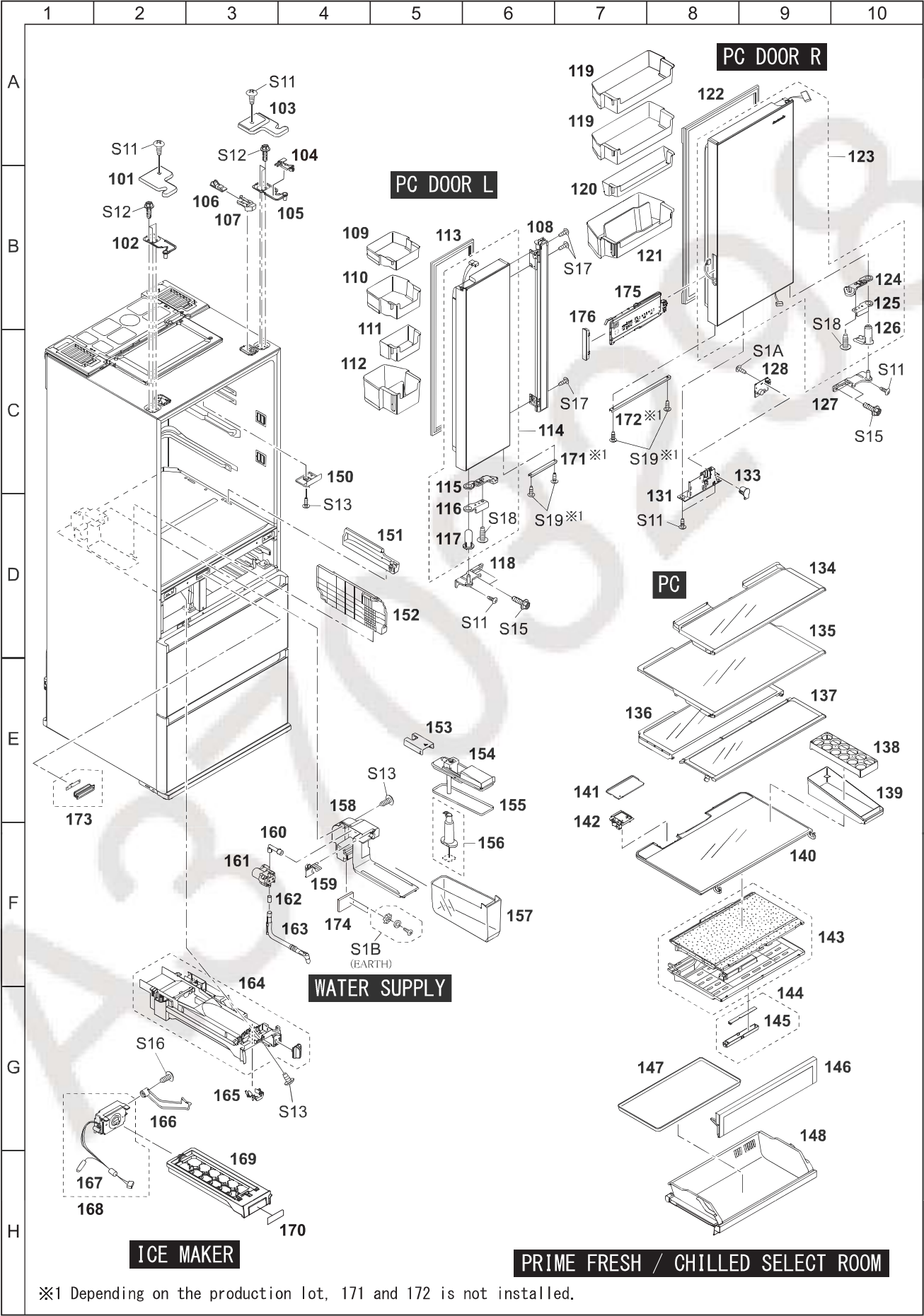


When replacing any of these components, use only manufacturer's specified parts.

- Parts used properly by the model and color tone, etc are described clearly in the remarks column.
Therefore, when use is not described in the remarks column, it is possible to use it for all models recorded in the Replacement Parts List.
- Exploded view illustrations are simplified in order to facilitate searching for and ordering replacement parts.

14.2. VIEW-1: PC, ICE MAKER, PRIME FRESH / CHILLED SELECT ROOM

NR-F603GT



14.3. REPLACEMENT PARTS LIST-1

Exploded View-1: PC, ICE MAKER, PRIME FRESH / CHILLED SELECT ROOM

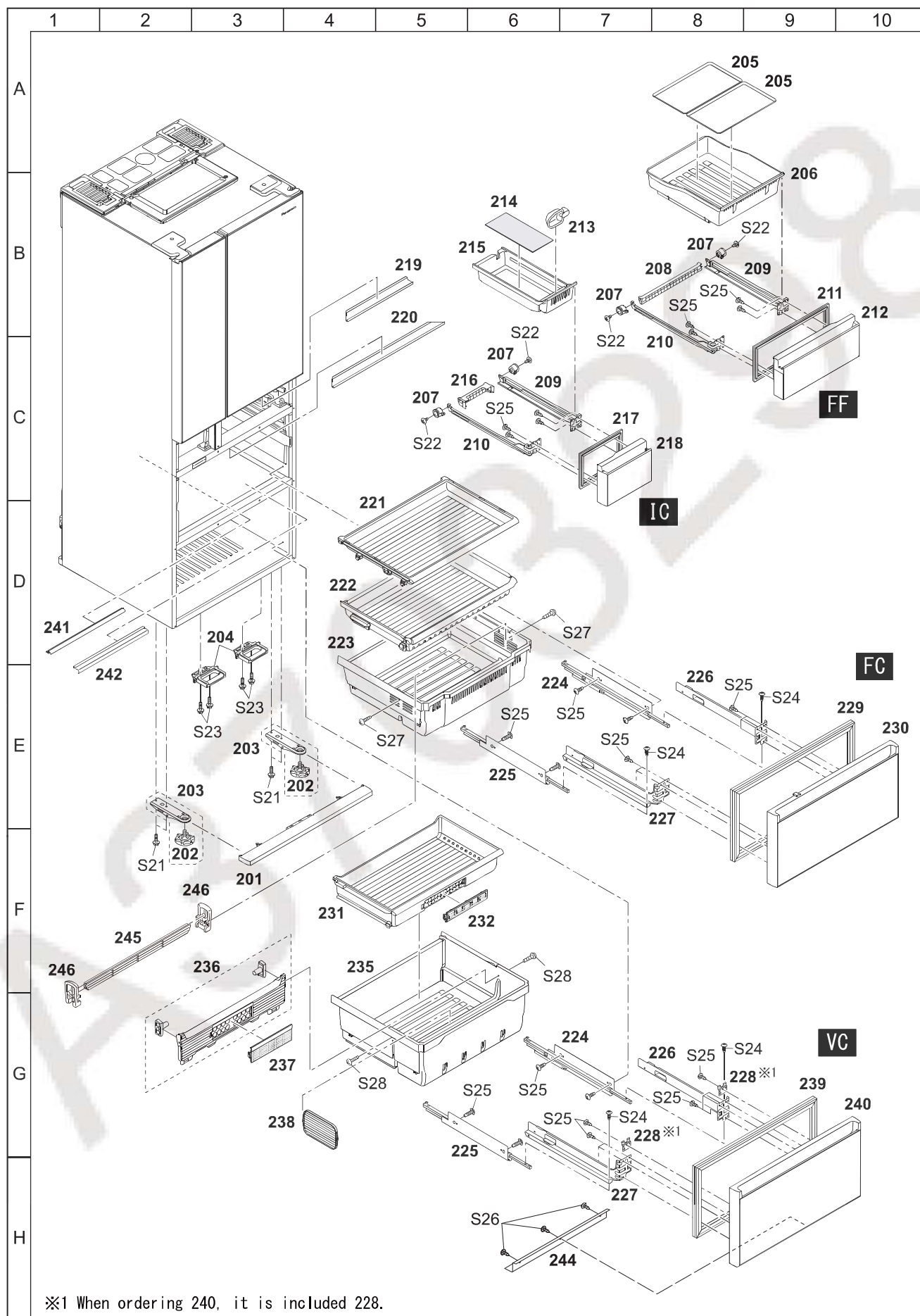
NR-F603GT-XU , NR-F603GT-WU					
Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	101	ARAECA200010	HINGE COVER (L-W)	1	F603GT-WU
	101	ARAECA200060	HINGE COVER (L-X)	1	F603GT-XU
	102	ARAEHA600010	TOP HINGE (L)	1	
	103	ARAECA305120	HINGE COVER (R-W)	1	F603GT-WU
	103	ARAECA305030	HINGE COVER (R-X)	1	F603GT-XU
	104	ARAHGA500010	CORD GUIDE (PCR)	1	
	105	ARAEHA700010	TOP HINGE (R)	1	
△	106	CNRMX-005110	PCB KIT, HUMIDITY SENSOR	1	
	107	ARAGHE700010	PCB HOLDER, HUMIDITY	1	
△	108	CNRMX-007390	FRENCH CROSSRAIL ASSY KIT	1	
	109	ARADFAA05030	FREE RACK (LTS)	1	
	110	ARADFAB05030	FREE RACK (LT)	1	
	111	ARADFAC05030	FREE RACK (LM)	1	
	112	ARADSE605030	BOTTLE SHELF (L)	1	
	113	CNRMX-006880	GASKET KIT, (DOOR PCL)	1	
	114	CNRMX-007980	DOOR KIT, (PCL-W)	1	F603GT-WU
	114	CNRMX-007990	DOOR KIT, (PCL-X)	1	F603GT-XU
	115	CNRMX-007520	DOOR LATCH KIT, (PCL)	1	F603GT-WU
	115	CNRMX-007540	DOOR LATCH KIT, (PCL)	1	F603GT-XU
	116	ARAESA200040	DOOR STOPPER (PCL)	1	
	117	CNRAD-210930	HINGE PIN SPACER	1	
	118	CNRMX-007500	CENTER HINGE KIT, (L)	1	
	119	ARADFA705030	FREE RACK (RM)	2	
	120	ARADSB105080	RACK	1	
	121	ARADSE705050	BOTTLE SHELF (R)	1	
	122	CNRMX-006830	GASKET KIT, (DOOR PCR)	1	
	123	CNRMX-006860	DOOR KIT, (PCR-W)	1	F603GT-WU
	123	CNRMX-006870	DOOR KIT, (PCR-X)	1	F603GT-XU
	124	CNRMX-007510	DOOR LATCH KIT, (PCR)	1	F603GT-WU
	124	CNRMX-007530	DOOR LATCH KIT, (PCR)	1	F603GT-XU
	125	ARAESA500020	DOOR STOPPER (PCR)	1	
	126	CNRAD-317710	HINGE PIN SPACER	1	
	127	CNRMX-007490	CENTER HINGE KIT, (R)	1	
△	128	CNRMX-007100	PCB KIT, (ECONAVI)	1	
	131	ARMH00B00670	PCB HOLDER (W)	1	F603GT-WU
	131	ARMH00B00640	PCB HOLDER (X)	1	F603GT-XU
	133	ARADCA100010	ECONAVI COVER	1	
	134	ARBHTB300300	TRAY (PC-T)	1	
	135	ARBHTB400220	TRAY (PC-B)	1	
	136	ARAHSJ705020	FREE SET SHELF (B)	1	
	137	ARBHSA500130	FREE SET SHELF (F)	1	
	138	ARADTA700010	EGG TRAY 12	1	
	139	ARAHCK105030	EGG CASE	1	
	140	ARAHPD405130	PF TOP PLATE	1	
	141	ARAHCC600040	COVER, PF TOP PLATE	1	
	142	ARAGCBD00010	CONNECTOR COVER, PF	1	
	143	ARMH00B00580	DUCT COVER ASSY (PF)	1	
△	144	CNRMX-006040	PCB KIT, (LED PF)	1	
	145	ARAHCF205030	LED LAMP COVER, (PF)	1	
	146	ARBHDB100250	DOOR (PF)	1	
	147	ARAHPDE05070	FREEZING PLATE	1	
	148	ARMH00B00680	CASE (PF)	1	
	150	ARADGB105050	FRENCH GUIDE	1	
	151	CNRMX-006820	PF SIDE PLATE (R) ASSY KIT	1	
	152	CNRMX-006810	TANK SIDE PLATE ASSY KIT	1	

NR-F603GT-XU , NR-F603GT-WU					
Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	153	ARAHCH105040	TANK CAP	1	
	154	ARAHTB205050	TANK (T)	1	
	155	CNRAJ-103020	TANK GASKET	1	
	156	ARMH00B00820	ACTIVATED CHARCOAL FELT FILTER	1	
	157	ARAHTB305040	TANK B	1	
	158	CNRMX-006760	COVER PLATE (TANK T) KIT	1	
	159	ARAHLA105030	JOINT LATCH NOZZLE	1	
	160	ARAJJA605010	JOINT PACKING (L)	1	
△	161	CNRMX-006770	PUMP MOTOR ASSY KIT	1	
	162	CNRAJ-160500	SEALING TUBE	1	
△	163	CNRMX-006780	INJECT TUBE ASSY KIT	1	
	164	ARMH00B00070	ICE PLATE TOP ASSY	1	
	165	CNRAH-243840	TRAY FIXING CHECK LEVER	1	
	166	ARAHCN400020	ICE CHECK LEVER	1	
△	167	CNRMX-003690	THERMISTOR KIT, (SENSOR FCC)	1	
△	168	CNRMX-003840	ICE MAKER ASSY KIT	1	
	169	ARBH1A300060	ICE TRAY	1	Order No.170 at once
	170	ARAHLB805050	ICE TRAY LABEL	1	
	171	CNRAD-349890	SEAL SASH (PCBL)	1	
	172	CNRAD-349880	SEAL SASH (PCBR)	1	
△	173	ARBGCC500010	HALL SWITCH, (DOOR PC)	1	
	174	CNRAJ-159900	EARTH TERMINAL	1	
△	175	CNRMX-008000	PCB KIT, OPERATION	1	F603GT-WU
△	175	CNRMX-008010	PCB KIT, OPERATION	1	F603GT-XU
	176	ARADCLA00030	PCB COVER (PCR-W)	1	F603GT-WU
	176	ARADCLA00040	PCB COVER (PCR-X)	1	F603GT-XU
	S11	CNRML-145360	SCREW,STEEL PACK	6	1 PACK = 5 PIECES
	S12	CNRML-145210	HEX HEAD SCREW,STEEL PACK	6	1 PACK = 5 PIECES
	S13	CNRML-145220	SCREW,STEEL PACK	3	1 PACK = 5 PIECES
	S15	CNRML-145240	HEX HEAD SCREW,STEEL PACK	4	1 PACK = 5 PIECES
	S16	CNRML-145250	SCREW,STEEL PACK	1	1 PACK = 5 PIECES
	S17	CNRML-145260	SCREW,STEEL PACK	3	1 PACK = 5 PIECES
	S18	CNRML-145270	SCREW,STEEL PACK	2	1 PACK = 5 PIECES
	S19	CNRML-145400	SCREW,STEEL PACK	4	1 PACK = 5 PIECES
	S1A	CNRML-145280	SCREW,STEEL PACK	1	1 PACK = 5 PIECES
	S1B	CNRML-145290	EARTH SCREW W/WASHER ,BRASS PACK	2	1 PACK = 5 PIECES

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14.4. VIEW-2: IC, FC(FF), FC, VC

NR-F603GT



14.5. REPLACEMENT PARTS LIST-2

Exploded View-2: IC, FC(FF), FC, VC

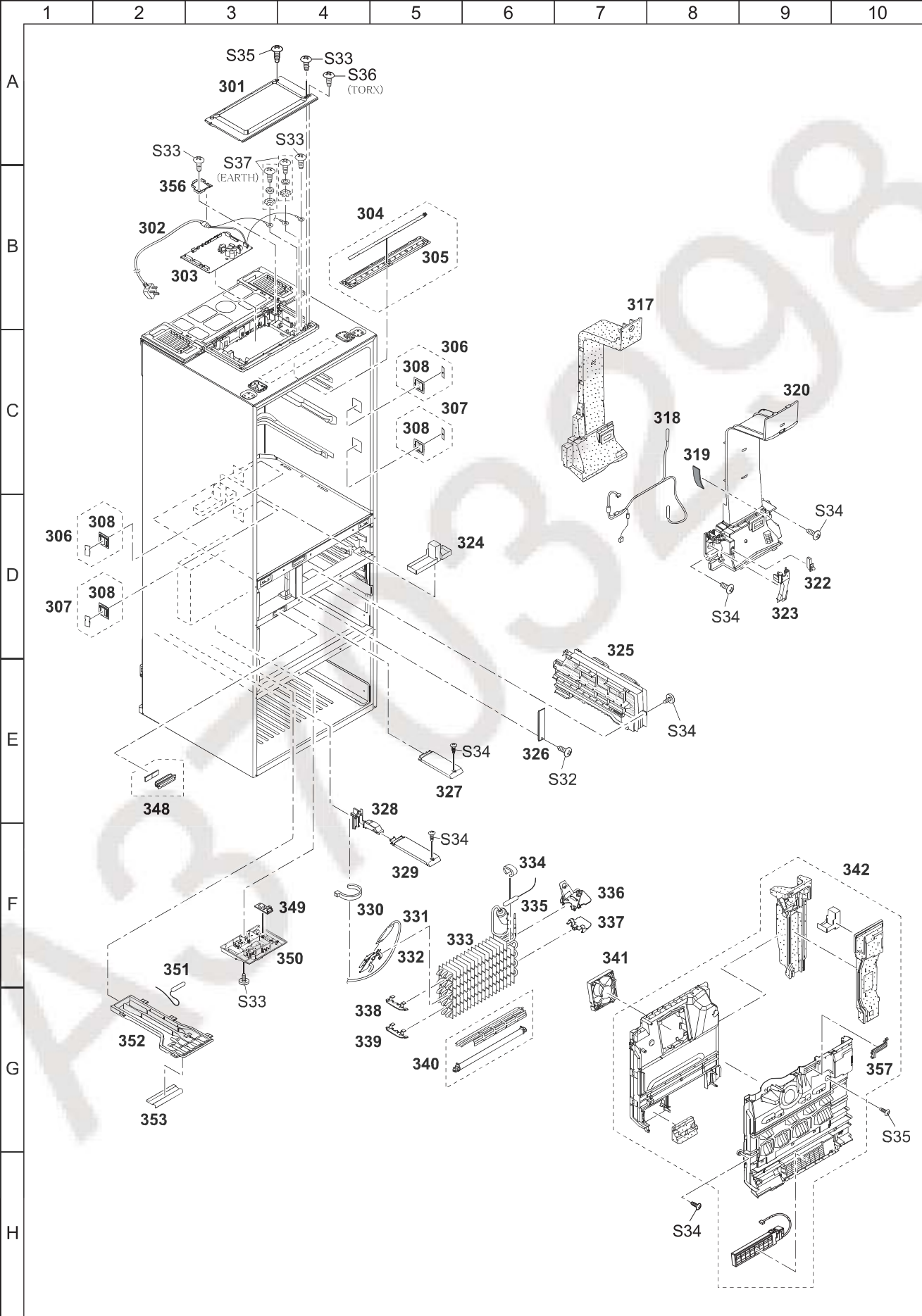
NR-F603GT-XU , NR-F603GT-WU					
Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	201	ARACGB205450	UNIT COVER (W)	1	F603GT-WU
	201	ARACGB205420	UNIT COVER (X)	1	F603GT-XU
	202	CNR38-992580	ADJUSTABLE LEG	2	
	203	ARMH00A00920	CASTER	2	
	204	ARACHAB00010	SHELL HANGER (F)	2	
	205	ARAHPE05120	FREEZING PLATE	2	
	206	ARAHJC605110	CASE (SC)	1	
	207	CNRAD-296700	ROLLER (ISC)	4	
	208	CNRAC-189750	REAR SUPPORTER (SC)	1	
	209	ARADSC405020	SUPPORT FRAME (IS-R)	2	
	210	ARADSC305020	SUPPORT FRAME (IS-L)	2	
	211	CNRMX-007030	GASKET KIT, (DOOR SC)	1	
	212	CNRMX-007010	DOOR KIT, (SC-W)	1	F603GT-WU
	212	CNRMX-007020	DOOR KIT, (SC-X)	1	F603GT-XU
	213	CNRAH-149280	ICE SHOVEL	1	
	214	CNRAH-227030	ICE MAT	1	
	215	CNRAH-259480	CASE (IC)	1	
	216	ARACSA105010	REAR SUPPORTER (IC)	1	
	217	CNRMX-006980	GASKET KIT, (DOOR IC)	1	
	218	CNRMX-006960	DOOR KIT, (IC-W)	1	F603GT-WU
	218	CNRMX-006970	DOOR KIT, (IC-X)	1	F603GT-XU
	219	ARBCSP300020	SEAL SASH ASSY (SCT)	1	
	220	ARBCSP400090	SEAL SASH ASSY (FCT)	1	
	221	ARBHCD700130	CASE (FCT)	1	
	222	ARBHCD800050	CASE (FCM)	1	
	223	ARMH00A00800	CASE (FCB)	1	
	224	ARBCRBG00010	RAIL ASSY (554UR)	2	
	225	ARBCRBF00010	RAIL ASSY (554UL)	2	
	226	ARADSC800010	SUPPORT FRAME (FVR)	2	
	227	ARADSC700010	SUPPORT FRAME (FVL)	2	
	228	CNRAD-368220	HOOK PLATE (FV)	2	
	229	ARADGC605090	GASKET, (DOOR FC)	1	
	230	ARBDDM802850	DOOR, (FC-W)	1	F603GT-WU
	230	ARBDDM803250	DOOR, (FC-X)	1	F603GT-XU
	231	ARAHFC105080	FRUIT CASE	1	
	232	ARAHHC700010	FILTER (MC) FRUIT	1	
	235	ARMH00A00810	VEGETABLE CASE	1	
	236	ARMH00A00790	PLATE (MC) ASSY	1	
	237	ARAHHC605030	FILTER (MC)	1	
	238	ARAHBA505010	BOTTLE SUPPORTER	1	
	239	ARADGC805030	GASKET, (DOOR VC)	1	
	240	CNRMX-007060	DOOR KIT, (VC-W)	1	F603GT-WU
	240	CNRMX-007070	DOOR KIT, (VC-X)	1	F603GT-XU
	241	ARACSCH00010	SEAL SASH	1	
	242	ARACSCG00180	SEAL SASH (VCF)	1	
	244	ARADSAD05020	SEAL SASH (VCB)	1	
	245	CNRAJ-162480	PARTITION PLATE	1	
	246	CNRAH-309300	PIECE PARTITION PLATE	2	
	S21	CNRML-149370	SCREW,STEEL PACK	4	1 PACK = 5 PIECES
	S22	CNRML-145310	SCREW,STEEL PACK	4	1 PACK = 5 PIECES
	S23	CNRML-145330	SCREW,STEEL PACK	4	1 PACK = 5 PIECES
	S24	CNRML-145360	SCREW,STEEL PACK	4	1 PACK = 5 PIECES
	S25	CNRML-145320	SCREW,STEEL PACK	30	1 PACK = 5 PIECES
	S26	CNRML-145400	SCREW,STEEL PACK	3	1 PACK = 5 PIECES

NR-F603GT-XU , NR-F603GT-WU					
Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	S27	CNRML-149380	SCREW,STEEL,PACK	2	1 PACK = 5 PIECES
	S28	CNRML-145380	SCREW,STEEL PACK	2	1 PACK = 5 PIECES

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14.6. VIEW-3: PCB, DUCTS, EVAPORATOR,HEATER

NR-F603GT



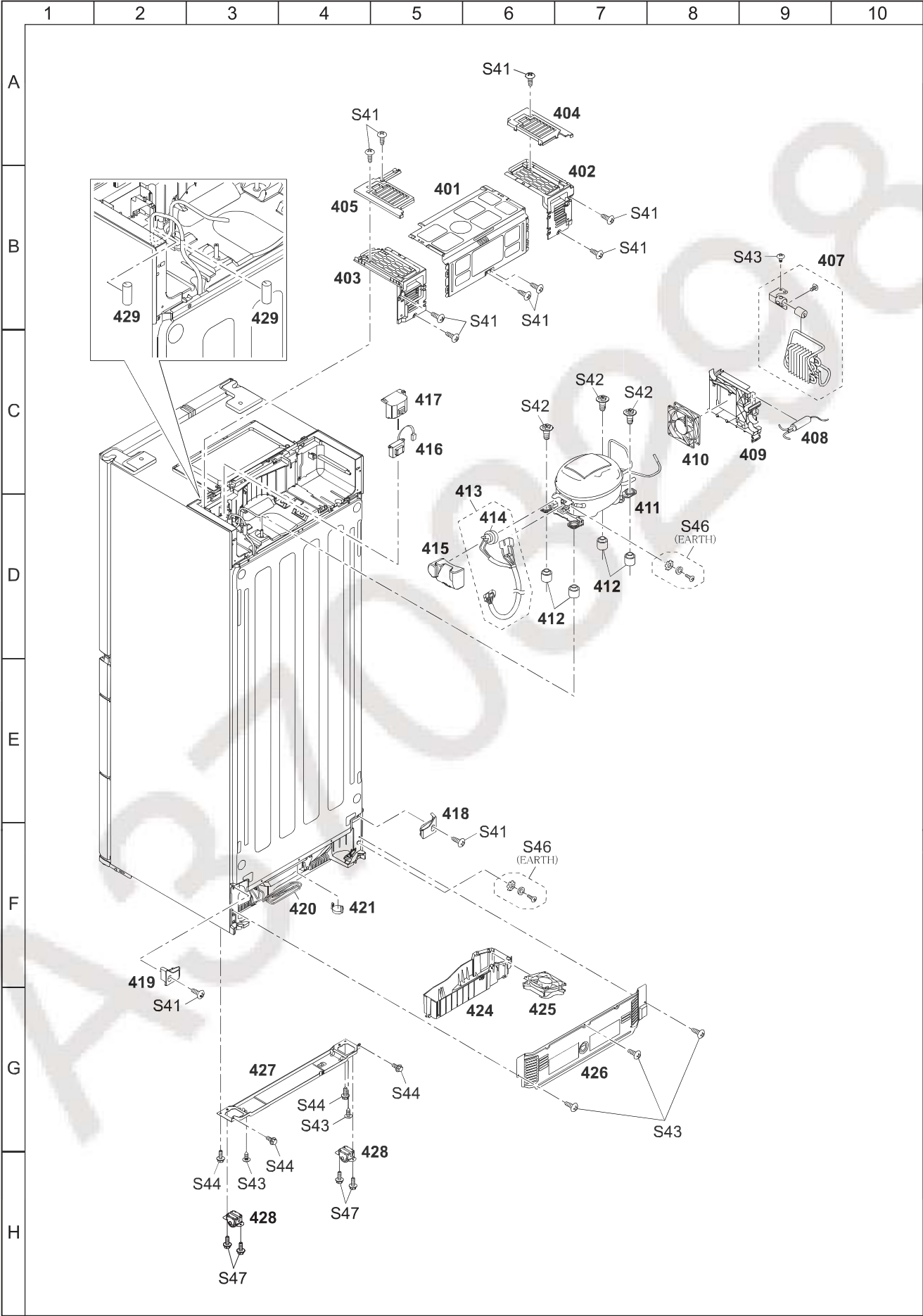
14.7. REPLACEMENT PARTS LIST-3

Exploded View-3: PCB, DUCTS, EVAPORATOR,HEATER

NR-F603GT-XU , NR-F603GT-WU					
Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		301	ARBCCA100830	PCB COVER ASSY	1
△		302	ARBGSA200730	SUPPLY CORD ASSY	1
△		303	ARBPC1A04520	PCB, CONTROL	1
△		304	CNRMX-006710	PCB KIT, LED LAMP TOP	1
		305	ARAHCFE00010	LED LAMP COVER (TOP)	1
△		306	CNRMX-006700	PCB KIT, LED LAMP	2
△		307	CNRMX-006690	PCB KIT, LED LAMP (OPT)	2
		308	ARAHCFB00020	LED LAMP COVER	4
		317	ARMH00B00570	DUCT INSULATION ASSY (PC)	1
△		318	CNRMX-006800	THERMISTOR KIT, (SENSOR PCC,PFC)	1
		319	CNRAH-245520	DEODORIZER FILTER	1
		320	CNRMX-006790	DUCT PLATE KIT, (PC)	1
△		322	CNRMX-005050	PUSH BUTTON SWITCH KIT, (PF)	1
		323	ARAHCGF00010	CORD COVER (DUCT PC)	1
△		324	CNRMX-006600	TWIN DAMPER KIT	1
		325	ARACRD705010	RAIL (IS)	1
		326	CNRMX-005930	CROSS RAIL (IS) KIT	1
		327	ARBHCB00040	CORD COVER (FCR)	1
		328	ARAHCGK00020	CORD COVER (LB)	1
		329	ARBHCBK00030	CORD COVER (FCL)	1
		330	CNR39-220010	TUBE BANDING	1
△		331	CNRMX-006650	THERMAL FUSE KIT	1
		332	ARAGHE200040	THERMAL FUSE HOLDER	1
		333	ARAFCG305180	EVAPORATOR	1
		334	CNRAJ-162870	SENSOR HOLDER	1
△		335	CNRMX-006660	THERMISTOR KIT, (DEFROST)	1
		336	ARAFDB200010	DEFLECTOR (R)	1
		337	ARMH00B00520	DEFLECTOR (RB ASSY)	1
		338	ARAFDB305020	DEFLECTOR (L)	1
		339	ARBFDA300030	DEFLECTOR (L ASSY)	1
△		340	CNRMX-008020	DEFROST HEATER KIT, (240V)	1
△		341	CNRMX-006730	FAN MOTOR KIT, (FC)	1
△		342	CNRMX-006720	COIL COVER ASSY KIT	1
△		348	CNRBG-186500	HALL SWITCH, (DOOR FC)	1
△		349	CNRMX-006630	PCB KIT, HUMIDITY SENSOR (VC)	1
△		350	CNRMX-008400	NANO E ASSY KIT	1
△		351	CNRMX-006610	THERMISTOR KIT, (SENSOR VCC)	1
		352	ARAHCGA05020	DUCT COVER (VC)	1
		353	ARACSCM00010	SEAL SASH (VCFL)	1
		356	CNRAG-169280	HOLDER SUPPLY CORD	1
		357	ARAFPF500020	PIECE COIL COVER	1
		S32	CNRML-145350	SCREW,STEEL PACK	1
		S33	CNRML-145360	SCREW,STEEL PACK	4
		S34	CNRML-145220	SCREW,STEEL PACK	6
		S35	CNRML-145380	SCREW,STEEL PACK	2
		S36	CNR38-197030	SCREW(TORX)	1
		S37	CNRML-145290	EARTH SCREW W/WASHER ,BRASS PACK	2

14.8. VIEW-4: BACK SIDE, COMPRESSOR

NR-F603GT



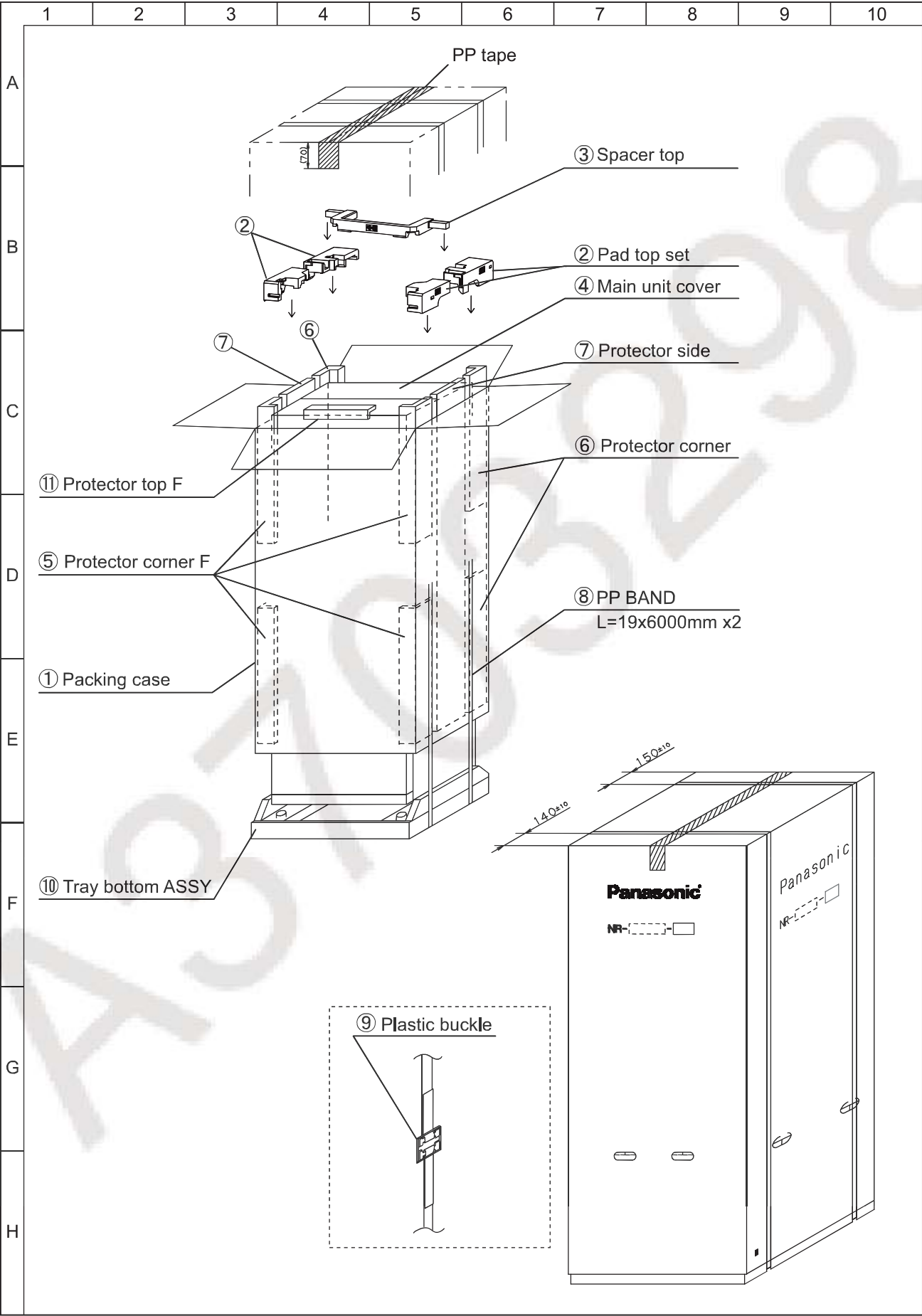
14.9. REPLACEMENT PARTS LIST-4

Exploded View-4: BACK SIDE, COMPRESSOR

NR-F603GT-XU , NR-F603GT-WU					
Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	401	ARMH00A00850	COMPRESSOR COVER	1	
	402	ARAFPE205010	PIECE COVER (L)	1	
	403	ARAFPE305020	PIECE COVER (R)	1	
	404	ARMH00X00320	AIR GUIDER (L) ASSY	1	
	405	ARMH00X00310	AIR GUIDER (R) ASSY	1	
	407	ARBF0A100050	CONDENSOR (CT)	1	
	408	CNRMX-006680	DRYER KIT	1	
	409	ARAFFA105010	FAN MOTOR HOLDER	1	
△	410	CNRMX-007330	FAN MOTOR KIT, (CT)	1	
△	411	CNRMX-006670	COMPRESSOR KIT	1	
	412	ARAFMA105010	RUBBER GROMMET	4	
△	413	ARMG00X00060	WIRE ASSY (CM)	1	
△	414	CNRMX-008110	OVERLOAD PROTECTOR KIT	1	
	415	ARMH00X00330	RELAY COVER	1	
△	416	ARAGRC300040	REACTOR	1	
	417	ARAGCB700010	REACTOR COVER	1	
	418	ARACHA305010	SHELL HANGER (BL)	1	
	419	ARACHA405010	SHELL HANGER (BR)	1	
	420	ARBFCB300050	PIPE (WATER EVA) ASSY	1	
	421	CNRAF-138620	DRAIN CAP (A)	1	
	424	ARMH00B00510	WATER PAN ASSY	1	
△	425	CNRMX-003780	FAN MOTOR KIT, (WE)	1	
	426	ARAFCA505040	WATER PAN COVER	1	
	427	ARAFCF105080	CROSSRAIL REAR	1	
	428	ARMH00B00630	ROLLER (BR)	2	
	429	ARAFDA205010	DUMPING RUBBER	2	
	-	ARAH0A106320	OPERATING INSTRUCTIONS	1	
	-	ARAHWD100010	WRENCH ADJUSTER BOLT	1	
	S41	CNRML-145220	SCREW,STEEL PACK	11	1 PACK = 5 PIECES
	S42	CNRML-145370	SCREW W/WASHER,STEEL PACK	3	1 PACK = 5 PIECES
	S43	CNRML-145360	SCREW,STEEL PACK	6	1 PACK = 5 PIECES
	S44	CNRML-149370	SCREW,STEEL PACK	4	1 PACK = 5 PIECES
	S46	CNRML-145290	EARTH SCREW W/WASHER ,BRASS PACK	2	1 PACK = 5 PIECES
	S47	CNRML-145440	SCREW,STEEL PACK	4	1 PACK = 5 PIECES

14.10. VIEW-5: PACKING

NR-F603GT



14.11. REPLACEMENT PARTS LIST-5

Exploded View-5: PACKING

NR-F603GT-XU , NR-F603GT-WU					
Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	1	ARAKPB109910	PACKING CASE F603GT-WU	1	F603GT-WU
	1	ARAKPB109920	PACKING CASE F603GT-XU	1	F603GT-XU
	2	ARBKPB200170	PAD TOP SET	1	
	3	ARAKSA305050	SPACER TOP	1	
	4	CNR59-225810	MAIN UNIT COVER	1	
	5	ARAKPE105060	PROTECTOR CORNER F	4	
	6	ARAKPE705040	PROTECTOR CORNER	4	
	7	ARAKPE305010	PROTECTOR SIDE	2	
	8	ARMK00A01310	PP BAND	2	
	9	CNR79-318950	PLASTIC BUCKLE	2	
	10	ARBKPA700170	TRAY BOTTOM ASSY	1	
	11	ARAKPE800010	PROTECTOR TOP F	1	