

DAEWOO
ELECTRONICS



SERVICE MANUAL

UPDATE

MECHANIC MODELS MODIFICATION 2005

UPDATED MODELS: ERF-336M..N

ERF-336M..N



DAEWOO ELECTRONICS MANUFACTURING ESPAÑA

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1- SPECIFICATIONS

Model name		ERF-336					
Division		M..N					
Refrigerant type		R-134A					
Refrigerant Q'ty		89gr					
Blowing agent		C-PENTANE					
Cooling system		Fan cool system					
Defrost system		Automatic start & Automatic stop system					
Compressor		YX58LHP5					
Rated voltage		AC220~240V / 50Hz					
Rated input (W)		180					
Lamp rated input (W)		15					
Gross capacity (liter)	Freezer	99					
	Refrigerator	201					
	Total	300					
External dimension (mm)	Height	1706					
	Width	596					
	Depth	636,7					
Freezing capacity(kg/24h)		5					
Star rating		* ***					
Climate class		N					
Net weight (kg)		61					

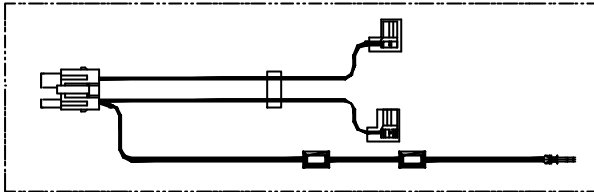
2- INTRODUCTION

Since September 2005 DEMESA mechanic models have suffered several changes in the electrical circuit. These changes are part of a redesign that our R&D department has done. In this manual update we'll explain all modifications, equivalences, identification method, new codes and disassembly system.

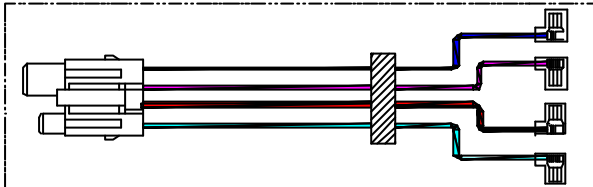
3- MODIFICATION DRAWINGS

3.1- HARNESS THERMOSTAT AND TIMER:

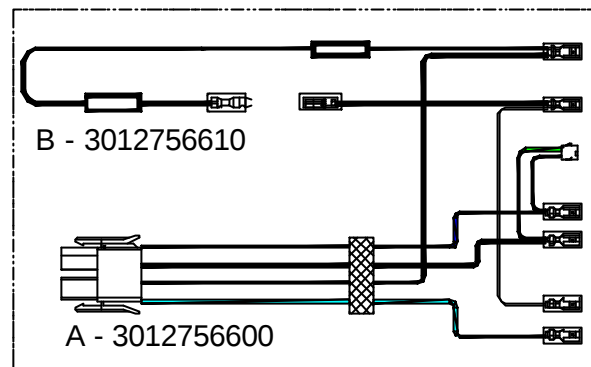
HARNESS THERMOSTAT - 3012731500



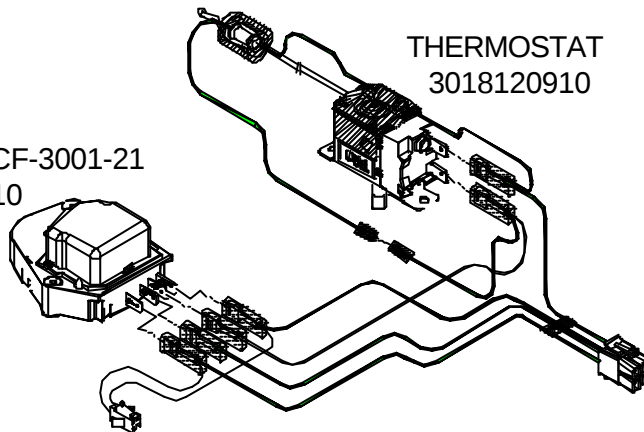
HARNESS TIMER- 3012735302



HARNESS THERMO TIMER A AND B



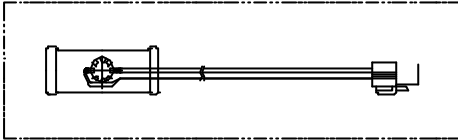
SWITCH D TIMER CF-3001-21
3018128310



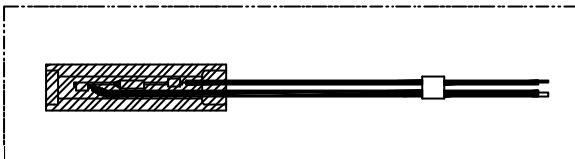
THERMOSTAT
3018120910

3.2- FUSE BI-METAL:

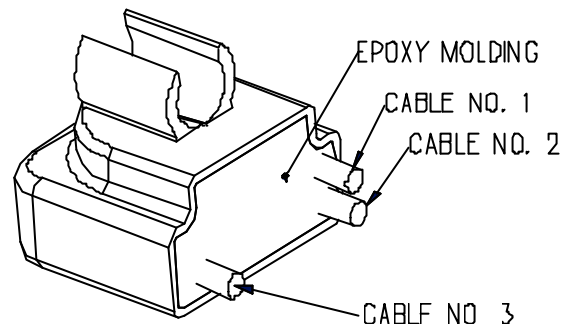
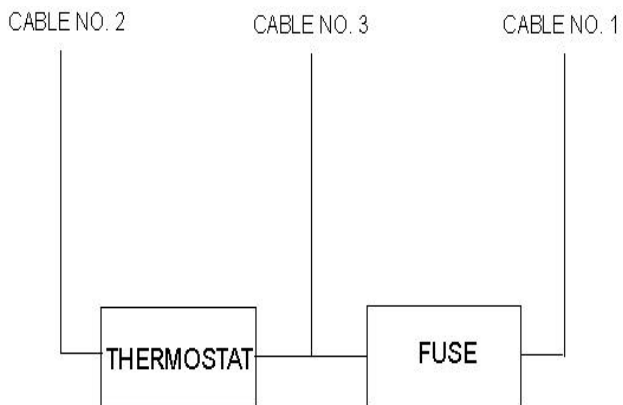
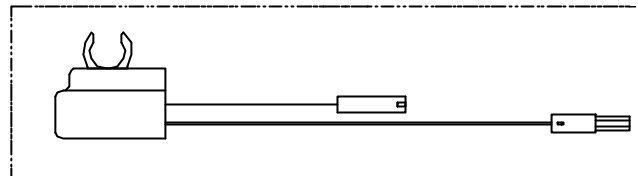
SWITCH BI-METAL - 3018120600



FUSE TEMPERATURE - 3017200420

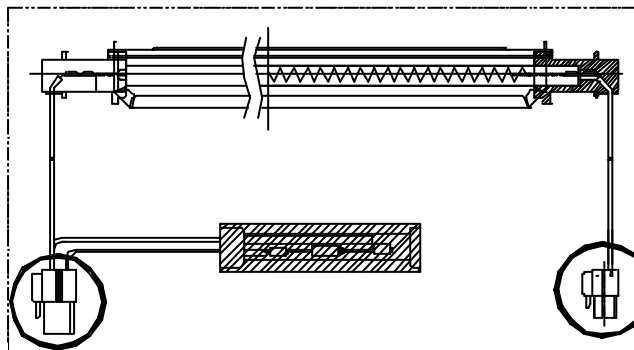


FUSE BI-METAL - 3012702400

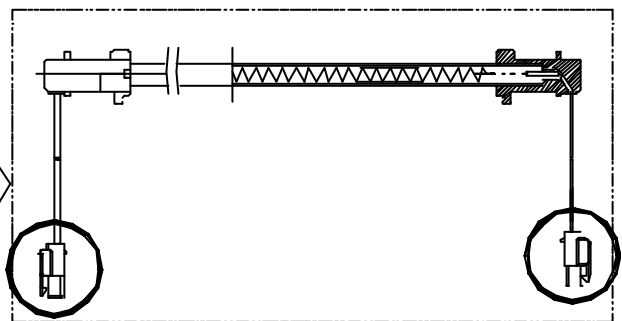


3.3- DEFROST HEATER:

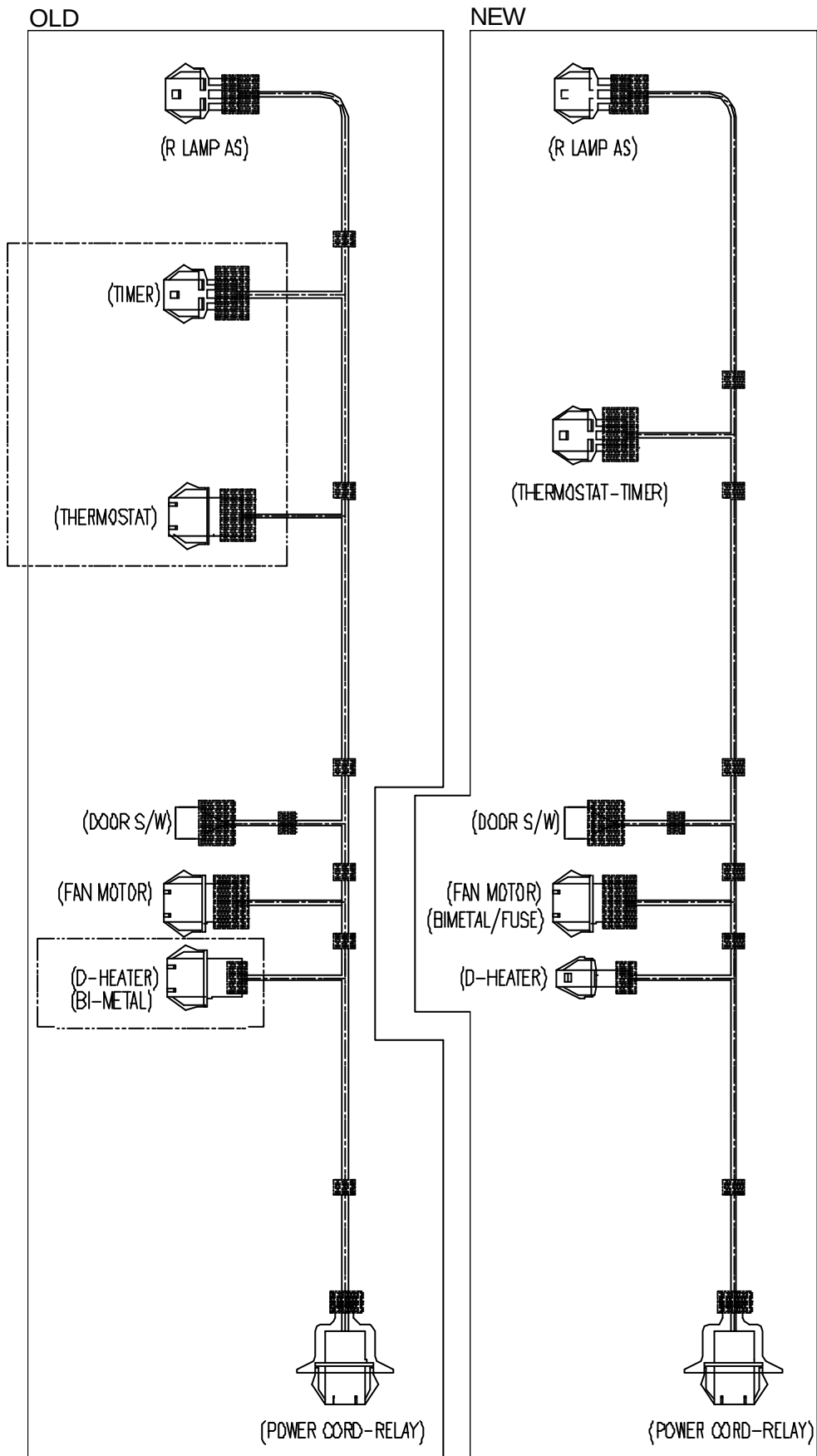
HEATER D AS - 3012807651

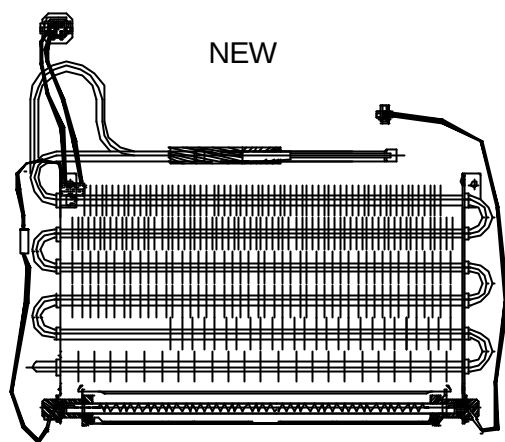
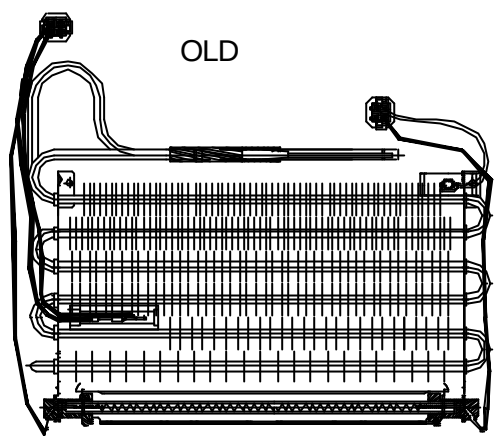


NEW HEATER D MECH - 3012806752



3.4- CONNECTIONS:





5- NEW COMPONENTS SPECS:

1. TIMER

	ERF-336M
Part name	SWITCH D TIMER AS CF-3001-21
Rated voltage	220~240V / 50Hz
Spec	CYCLE: 12 Hours $\pm$ 10.8 min. DEFROST TIME: 10 MIN $\pm$ 3 MINUTES
Part code	3018128310

2. HEATER

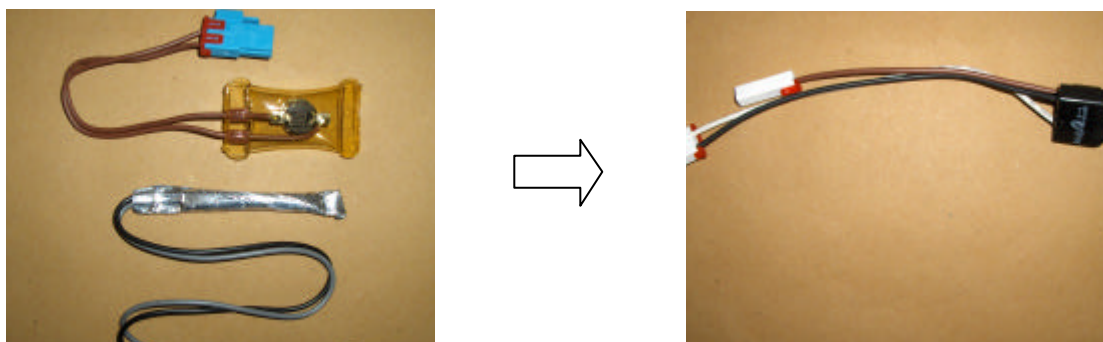
	ERF-336M
Part name	HEATER D MECH
Spec	230V 180W
Part code	3012806752

3. FUSE BI-METAL

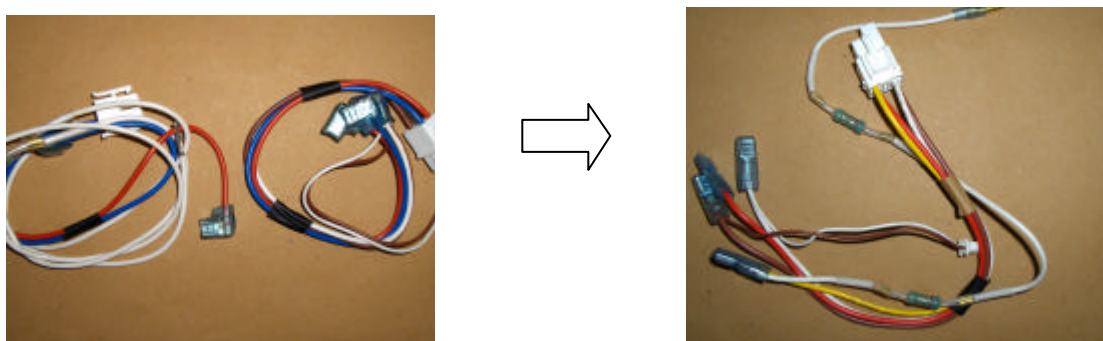
	ERF-336M
Part name	SWITCH BI-METAL-FUSE
Spec	OPEN: 9 ± 3 °C CLOSE: -4 ± 4 °C / FUSE INCLUDED
Part code	3012702400

6- NEW COMPONENTS VIEW COMPARISON:

6.1- FUSE BI-METAL



6.2- HARNESS THERMO TIMER



7- COMPONENTS COMPATIBILITY:

Old timer can be substituted by the new one

New timer can be substituted by the old one

Adapting connectors, old heater, fuse, bi-metal can be used for new models ERF-xxxM..N.

Adapting connectors, new heater, fuse bi-metal can be used for old models ERF-xxxM.

Old harness timer can't be substituted

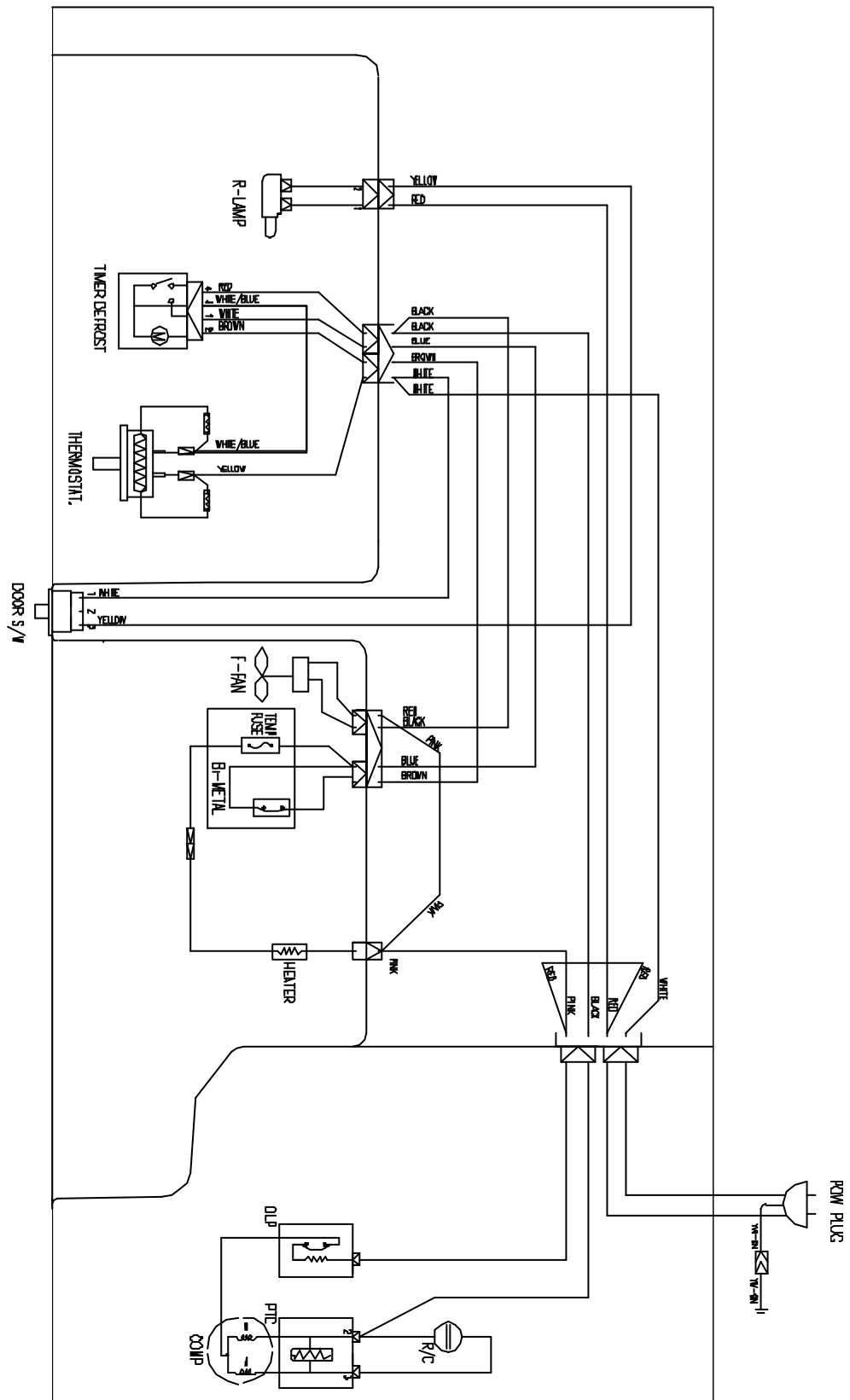
Old harness thermostat can't be substituted

New harness thermo-timer can't be substituted

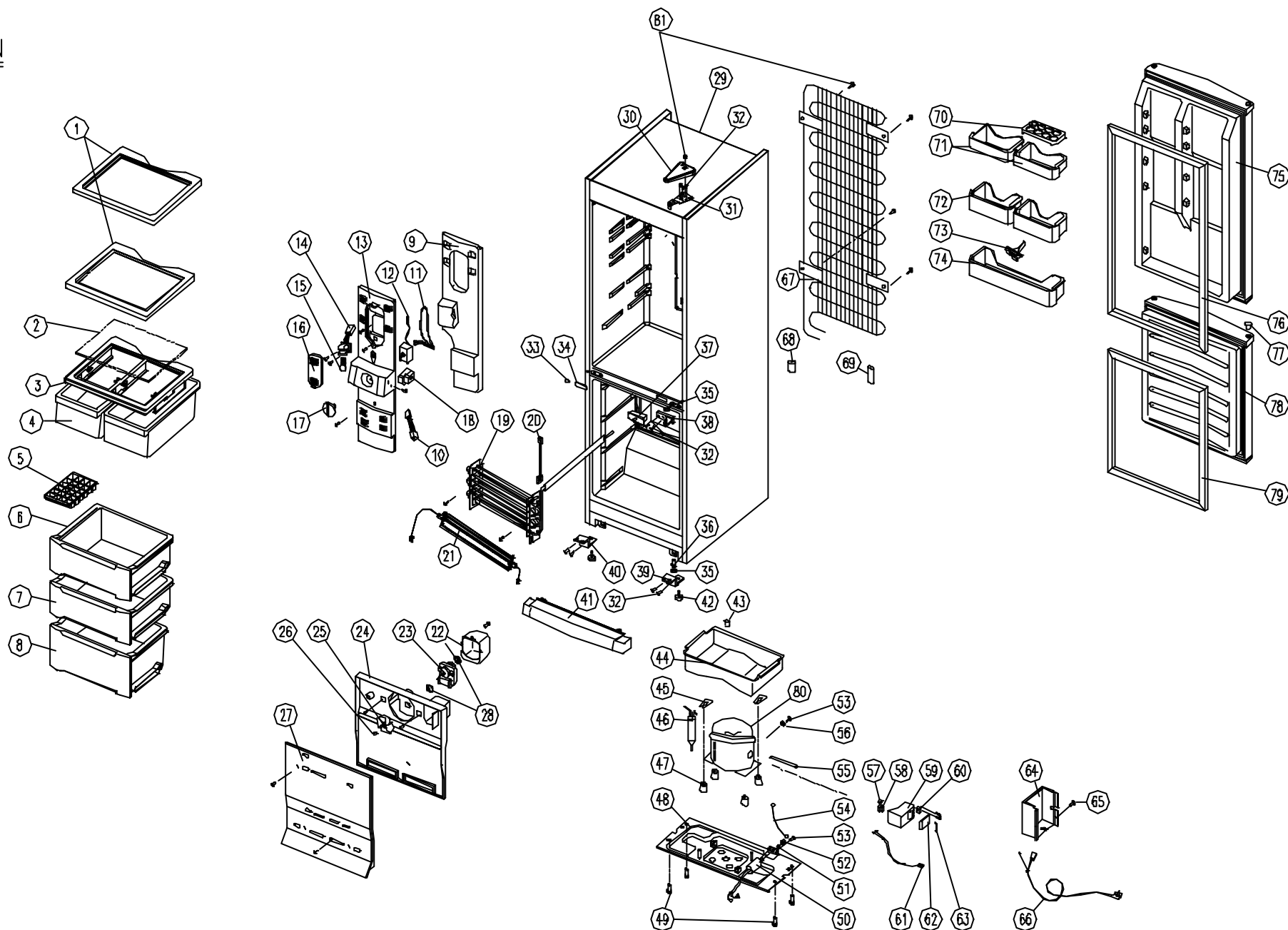
COMPONENT	CODE	CAN BE SUBSTITUTED	SUBSTITUTED BY	* MODIFICATIONS NECESSARY FOR SUBSTITUTION
OLD TIMER	3018100250	Y	3018128310	NOT NECESSARY
NEW TIMER	3018128310	Y	3018128310	NOT NECESSARY
OLD FUSE	3017200420	Y*	3012702400	CONNECTOR AND POSITION
OLD BI-METAL	3018120600	Y*	3012702400	CONNECTOR AND POSITION
FUSE BI-METAL	3012702400	Y*	3012702400	CONNECTOR AND POSITION
HARNESS TIMER	3012735300	N	-	-
HARNESS THERMOSTAT	3012731500	N	-	-
HARNESS THERMO-TIMER A	3012756600	N	-	-
HARNESS THERMO-TIMER B	30127566103	N	-	-

8- WIRING DIAGRAMS:

8.1- ERF-336M..N



ERF-336M..N



DAEWOO PRICE PARTS LIST 336M..N

Nº	PART CODE	PART NAME	MODEL
			336M..N
1	3017839400	GLASS SHELF (INSERT TYPE) '04	2
2	DMS4547801	PLATE V/CASE COVER GLASS	1
3	3012202600	FRAME V/CASE COVER	1
4	DMS1163480	CASE VEGETABLE L&R TRANSPARENT	2
5	3011163200	CASE ICING	1
6	3011188600	CASE FC 337 2005	1
7	3011188500	CASE FB 337 2005	1
8	3011188400	CASE FA 337 2005	1
9	3013337600	INSULATOR MULTI DUCT M 33..	1
10	3012756600	HARNESS THERMO-TIMER A	1
11	3012756610	HARNESS THERMO-TIMER B	1
12	3018120910	THERMOSTAT GNF-176DB (OFF POSITION)	1
13	3011453000	COVER MULTI DUCT 33. M C.OFF	1
14	3017903900	SOCKET R LAMP AS	1
15	3013600700	LAMP	1
16	3015503300	WINDOW LAMP MILKY COMMON	1
17	3013401410	KNOB R	1
18	3018128310	SWITCH D TIMER (INVENSYS) CF-3001-21	1
19	3017045701	EVAPORATOR AS	1
20	3012702400	SWITCH FUSE/BI-METAL	1
21	3012806752	HEATER D AS MECH	1
22	3010615600	BRACKET FAN MOTOR	1
23	3011804710	MOTOR FAN AS SHAFT 3,17 A GRADE 230V/50HZ	1
24	3018911400	LOUVER F B 33..	1
25	3011801410	FAN GRADO A	1
26	3011200520	FIXTURE FAN RING (SPRING) DAEWOO 2005	1
27	3018913700	LOUVER F A 33..	1
28	3010107100	ABSORBER FAN MOTOR	2
29	-	ASSY CAB URT 336/337	1
30	DMS1494310	COVER *T HINGE (SW)	1
31	3012922500	HINGE T (DIXON II)	1
32	3016004900	SPECIAL BOLT C	9
33	3010920200	CAP SCREW	1
34	3010953800	CAP SCREW HOLE	1
35	3016005500	SPECIAL WASHER HINGE	2
36	3014909100	SHAFT HI *U KOREA 2005	1
37	3011755200	SWITCH DOOR	1
38	3012924800	HINGE *M COMMON 2005	1
39	3012925410	HINGE *U R AS 334	1
40	3012925400	HINGE *U L AS 334	1
41	3011467600	COVER CAB BRACKET S	1
42	3012104600	FOOT ADJUSTING AS	2
43	3010919700	CAP DRAIN HOSE	1
44	3011162600	CASE VAPORI (FOR DAEWOO COMPRESSOR)	1
45	3012005300	FIXTURE COMP	2
46	3016802210	DRYER AS 2005	1
47	3010100201	ABSORBER COMP (DAEWOO COMPRESSOR)	4
48	DMS0001610	BASE COMP (DAEWOO)	1
49	3016004300	SPECIAL SCREW A	4
50	DMS6402129	CAPACITOR RUNNING FINISH 4uF	1
51	DMS6006510	SPECIAL WASHER R/C	1
52	DMS6006410	SPECIAL NUT R/C	1
53	7001401065	SCREW MACHINE (EARTH SCREW DAEWOO)	2
54	3012735200	HARNESS EARTH (DAEWOO)	1
55	3014418203	PIPE CHARGE (DAEWOO)	1
56	3016004700	SPECIAL WASHER EARTH	1
57	3817923600	SWITCH OL 4TM129SHBY-53 (DAEWOO)	1
58	3817915400	SWITCH PTC S330 (FROM DONG CHANG)	1
59	3810506400	RELAY BOX	1
60	3818200300	CABLE CLAMP	1
61	3012731902	HARNESS RELAY COMMON	1
62	3811401300	RELAY BOX COVER (DAEWOO)	1
63	3816100400	RELAY BAND	1
64	3011454100	COVER MECH HOUSING	1
65	7112401011	SCREW TAPPING 4*10	1
66	3011343340	CORD POWER AS SCHUK 2 PIN	1
67	3014434500	WI-CON ASSY	1
68	4016C08014	ABSORBER PIPE C EXTRUSION 20gr	1
69	DMS7792302	SEALING DIVISION	1
70	3011163600	CASE EGG	1
71	3019014100	POCKET EGG	2
72	3019014200	POCKET BOTTLE	2
73	3012510200	SUPPORT GUIDE POCKET	1
74	3019014300	POCKET R DOOR	1
75	DMS0087010	R SW HH HALF 336 337 SILKPRINT	1
76	3012306610	GASKET R DOOR AS 33..	1
77	3010967400	CAP DOOR BUSSHING	1
78	DMS0086610	F DOOR URT 33..	1
79	3012306510	GASKET F DOOR 33..	1

Nº	PART CODE	PART NAME	MODEL
			336M..N
80	3956158K50	COMPRESSOR YX58LHP5 220V/50HZ	1
81	7112401411	SCREW TAPPING 4*14	10