

Service Parts

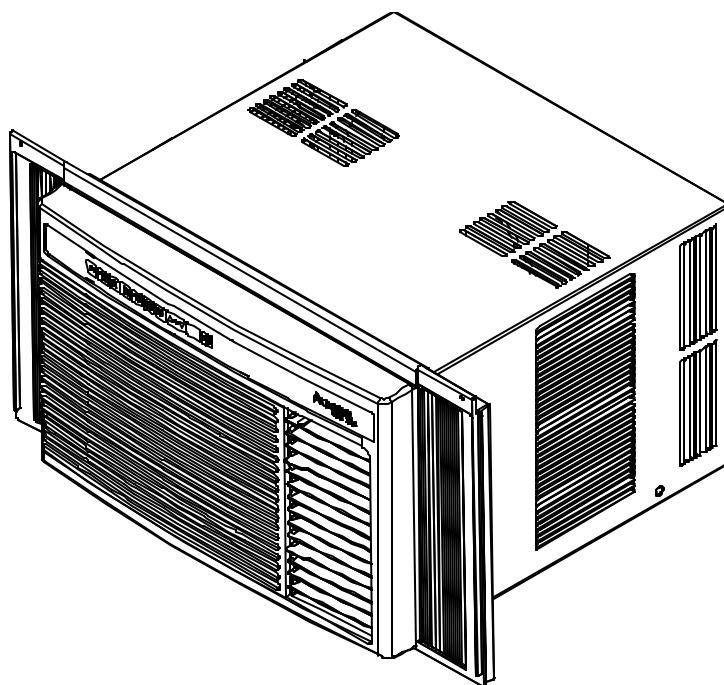
12,000 Btu Room Air Conditioners

Models and manufacturing
numbers in this manual

MC12A1TA2	P1230825R
MC12A2PA2	P1230826R
MC12A2PB2	P1230838R
ME12APA235	P1230822R
MH12A3PA235	P1230831R
NC12A2PA2	P1214920R
NE12A3PA235	P1214923R
NH12A3PA235	P1214924R

This manual replaces RP4310006.

This manual is to be used by qualified appliance technicians only.



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RP4310006
Revision 1
October 2004

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Important Information

Goodman Company, L.P. is not responsible for personal injury or property damage resulting from improper service. Review all service information before beginning repairs.

Warranty service must be performed by an authorized technician, using authorized factory parts. If service is required after the warranty expires, Goodman Company, L.P. also recommends contacting an authorized technician and using authorized factory parts.

For assistance within the U.S.A. contact:

Consumer Affairs Department
Goodman Company, L.P.
7401 Security Way
Houston, Texas 77040
877-254-4729-Telephone
713-863-2382-Facsimile

For assistance outside the U.S.A. contact:

International Division
Goodman Company, L.P.
7401 Security Way
Houston, Texas 77040
713-861-2500-Telephone
713-863-2382-Facsimile

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Illustration and Parts 6 - 15

Views shown are for parts illustrations only, not servicing procedures.

Revision 1: Adds P1230838R.

Text Codes:

- AR - As Required
- NA - Not Available
- NS - Not Shown
- 00000000 - See Note
- QTY - Quantity Example (QTY 3) (If Quantity not shown, Quantity = 1)
- M - Model Example (M1) (If M Code not shown, then part is used on all Models)

Expanded Model Nomenclature:

Example		
M1 - Model#1	P	_____
M2 - Model#2	P	_____
M3 - Model#3	P	_____

Parts Number Suffix Codes:

- B - Black
- CG - Charcoal Gray - Porcelain
- CX - Charcoal Gray - Catalytic
- E - Charcoal Gray - Porcelain
- L - Almond
- N - Charcoal Gray - Catalytic
- T - Light Gray
- W - White
- X - Charcoal Gray - Catalytic
- Y - Cool Gray

Functional Parts

Part No:	Description:
20103501	BOARD-CONTROL-PC (M1)
D6789022	CAPACITOR-DUAL (M2, M3, M6, M7, M8)
D6789049	CAPACITOR-POLY (M1)
D6789048	CAPACITOR-POLY (M4, M5)
10702202	COIL REVERSING VALVE (M4, M5)
11101510	COMP-TC RGA5512ENA (M2, M3, M6, M7, M8)
11101508	COMP-TC RGA5512EXA (M1)
D9831801	COMP-TC RKA5513EXD (M4, M5)
20083601	COND COIL ASSY (M4, M5)
20112301	CONDENSER ASSY (M1, M8)
22309901	CORD-230V 15AMP (M8)
20057503	CORD-POWER (M4, M5, M6, M7)
20057501	CORD-POWER (M1)
20057502	CORD-POWER (M2, M3)
20112101	EVAP ASSY (M1)
20098501	EVAPORATOR ASSY (M4, M5)
20116601	EVAPORATOR ASSY (M2, M3, M6, M7, M8)
20046501	FAN-PL. COND.
20064301	FILTER-COMPACT
10685011	HARNESS-COIL (M4, M5)
20066401	HEATER (M6, M7)
20066403	HEATER (M4, M5)
20059704	MOTOR-FAN 12M12TA (M1)
20059709	MOTOR-FAN-230V COMP (M2, M3, M4, M5, M6, M7, M8)
D6961622	OVERLOAD (M4, M5)
D6961670	OVERLOAD (M8)
D6961630	OVERLOAD (M1, M2, M3, M6, M7)
20097701	REV VALVE ASSY (M4, M5)
B1394401	STRAINER (M4, M5)
11108701	STRAINER/DIST (M2, M3, M6, M7, M8)
20113701	SWITCHOVER-T*STAT (M4, M5)
20066701	SWITCH-PUSH BUTTON (M4, M5)
20066801	SWITCH-PUSH BUTTON (M2, M3, M8)
20066601	SWITCH-PUSH BUTTON (M6, M7)
20070402	THERMOSTAT (M4, M5, M6, M7)
20070404	THERMOSTAT (M2, M3, M8)
20061204	WHEEL-BLOWER (M4, M5, M6, M7)
20061202	WHEEL-PL. BLOW (M1, M2, M3, M8)

Functional Parts

Part

No: Description:

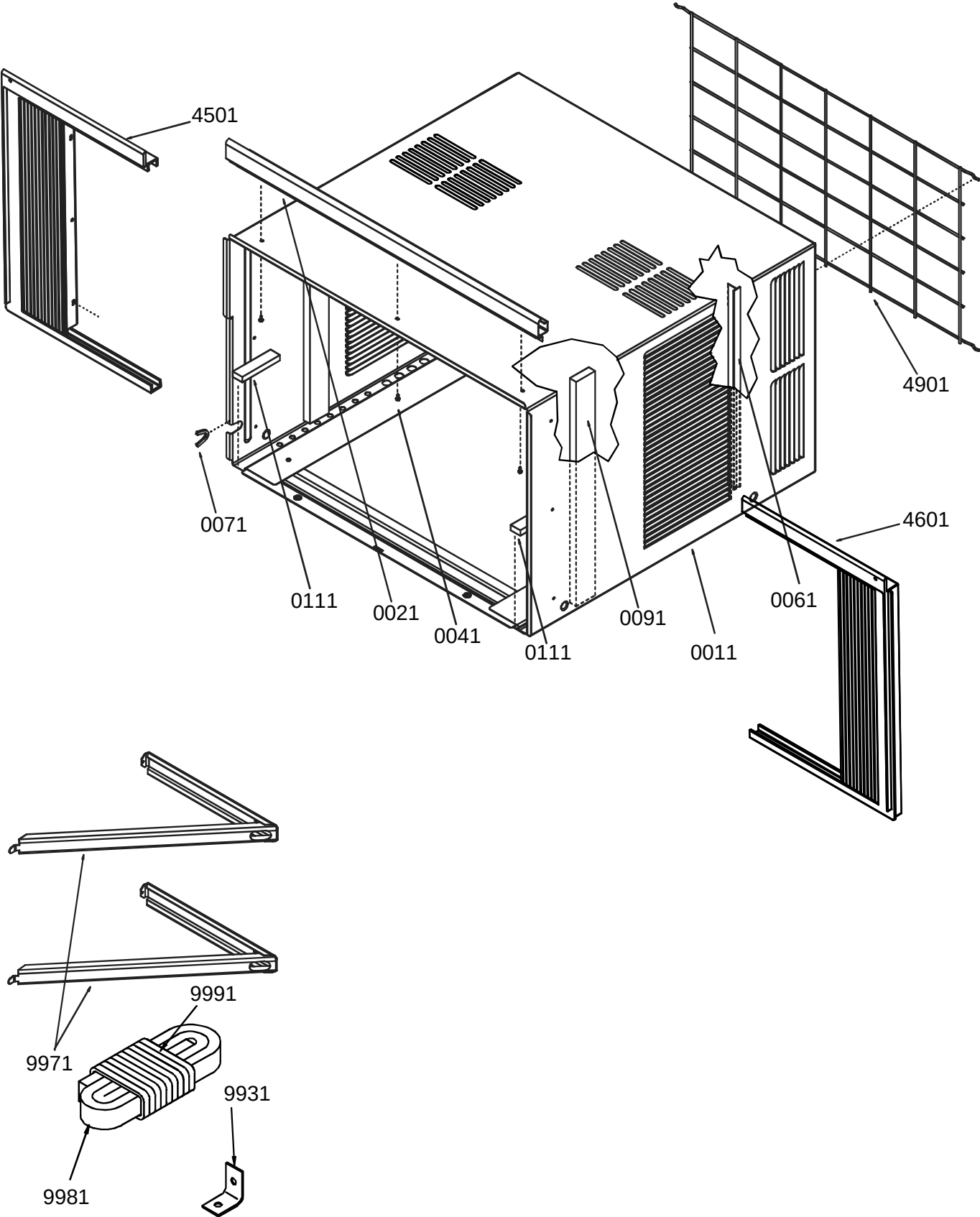
SPECIAL PARTS

10835508	CERT-WARRANTY (M8)
20106802	INSTR-INSTALL (M8)
20106801	INSTR-INSTALL (M2, M3, M4, M5, M6, M7)
20070203	INSTR-INSTALL THR WL (M1)
20094101	INSTR-INSTALL WINDOW (M1)
20058002	MANUAL-OWNERS (M1)
20070007	MANUAL-OWNERS (M8)
20070002	MANUAL-OWNERS CZ (M2, M3, M6, M7)
20070003	MANUAL-OWNERS CZ (M4, M5)
RP4310006	MANUAL-PARTS
RS4100008	MANUAL-SERVICE (M4)
RT4100036	SHEET-TECH (M4)
RT4100038	SHEET-TECH (M5)
RT4100047	TECH SHEET (M1)

Expanded Model Nomenclature

M1 - MC12A1TA2	P1230825R
M2 - MC12A2PA2	P1230826R
M3 - NC12A2PA2	P1214920R
M4 - NH12A3PA235	P1214924R
M5 - MH12A3PA235	P1230831R
M6 - ME12APA235	P1230822R
M7 - NE12A3PA235	P1214923R
M8 - MC12A2PB2	P1230838R

Outer Case Assembly



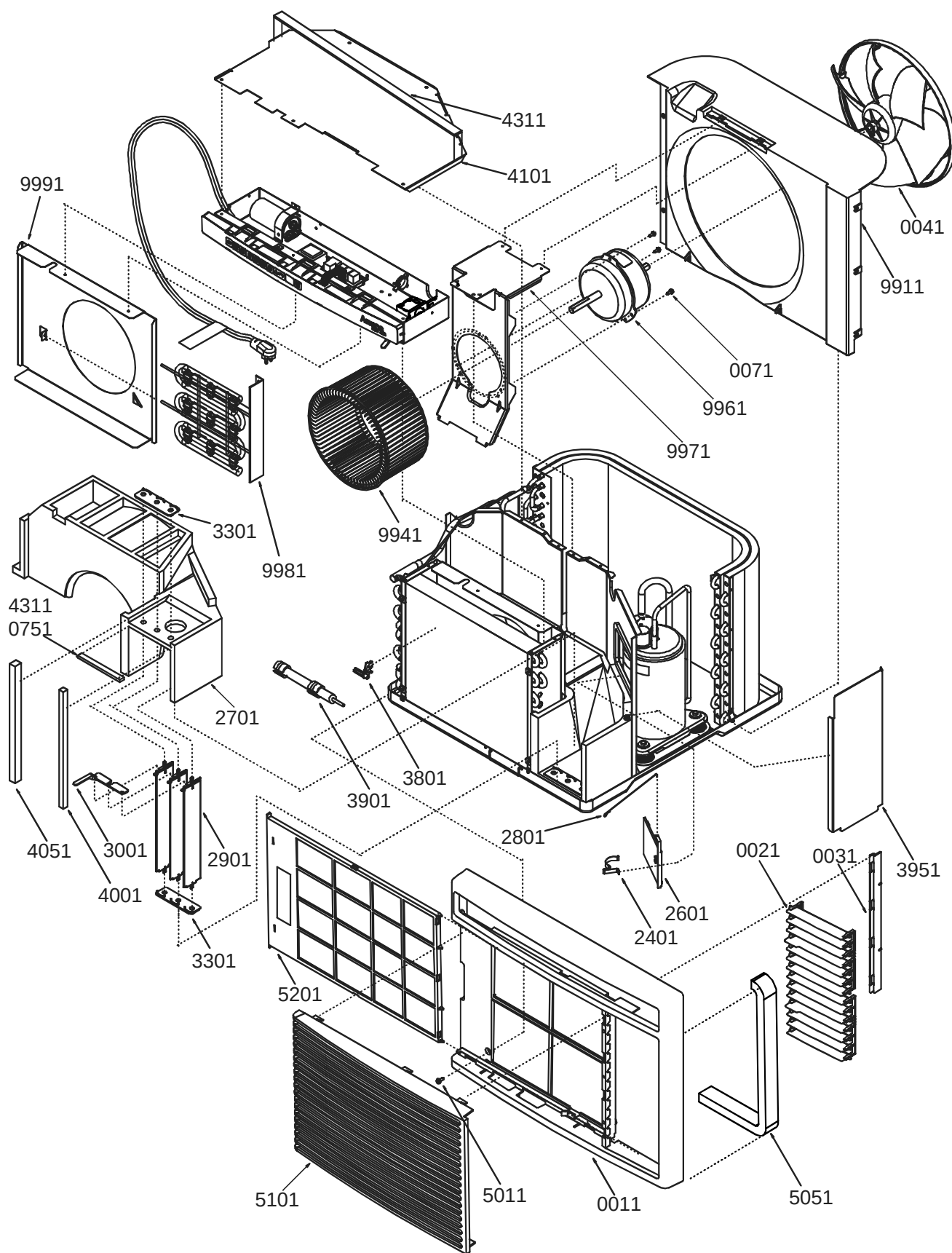
Outer Case Assembly

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
<i>Image 1:</i>			
0011	20060201		OUTERCASE TOX (M1)
0011	20106701		OUTERCASE TOX (M2, M5, M6, M8)
0021	20055102		RAIL-TOP (M1)
0041	M0245203		SCREW-SM STL (M1, M8)
0061	20065008		SEAL STRIP-OUTER (M1, M2, M5, M6, M8)
0071	20075701		GROMMET-PWR CORD (M1, M2, M5, M6, M8)
0091	10839707		GASKET-URETHANE (M5, M8)
0111	10839807		GASKET-CROSS LINK (M5, M8)
4501	20055003		CURT FRAME ASSY-LH (M1) ALSO AVAILABLE IN BAG ASSEMBLY
4501	20059002		FRAME ASSY-FR (M8) (INCLUDES LEFT AND RIGHT SLIDING FRAME AND CURTAINS)
4601	20055004		CURT FRAME ASSY-RH (M1) ALSO AVAILABLE IN BAG ASSEMBLY
4901	20063301		GRILLE-REAR COMP (M1, M2, M5, M6, M8)
9931	10661401		BRKT-WINDOW STOP (M1) ALSO AVAILABLE IN BAG ASSEMBLY 10228314
9971	20061801		BRACKET-SUPP (M1) ALSO AVAILABLE IN BAG ASSEMBLY 10228314
9981	10839702		GASKET-URETHANE (M1, M8) ALSO AVAILABLE IN BAG ASSEMBLIES
9991	10839720		GASKET-URETHANE (M1, M8) ALSO AVAILABLE IN BAG ASSEMBLIES
NS	20054801		ADJUSTING FOOT (M1) ALSO AVAILABLE IN BAG ASSEMBLY 10228314
NS	10228314		BAG ASSY (M1) NEEDED FOR INSTALLATION INCLUDES BRACKETS, WINDOW STOP, SCREWS, ADJUSTING FOOT, BASEPAN CLIP, DRAIN, AND GASKETS
NS	10228318		BAG ASSY (M2, M3, M6, M7, M8) NEEDED FOR INSTALLATION INCLUDES SCREWS, BASEPAN CLIP, DRAIN, AND GASKET
NS	20065102		CLIP-BASEPAN ALSO AVAILABLE IN BAG ASSEMBLIES
NS	20064101		DRAIN ALSO AVAILABLE IN BAG ASSEMBLIES
NS	M0211020		SCREW-SM (M1) ALSO AVAILABLE IN BAG ASSEMBLY 10228314
NS	M0211030		SCREW-SM (M1) ALSO AVAILABLE IN BAG ASSEMBLY 10228314
NS	M0213032		SCREW-SM (M1) ALSO AVAILABLE IN BAG ASSEMBLY 10228314
NS	M0213531		SCREW-SM (M1) ALSO AVAILABLE IN BAG ASSEMBLY 10228314
NS	M0216716		SCREW-SM ALSO AVAILABLE IN BAG ASSEMBLIES

Expanded Model Nomenclature

M1 - MC12A1TA2	P1230825R
M2 - MC12A2PA2	P1230826R
M3 - NC12A2PA2	P1214920R
M4 - NH12A3PA235	P1214924R
M5 - MH12A3PA235	P1230831R
M6 - ME12APA235	P1230822R
M7 - NE12A3PA235	P1214923R
M8 - MC12A2PB2	P1230838R

Chassis Assembly



Chassis Assembly

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
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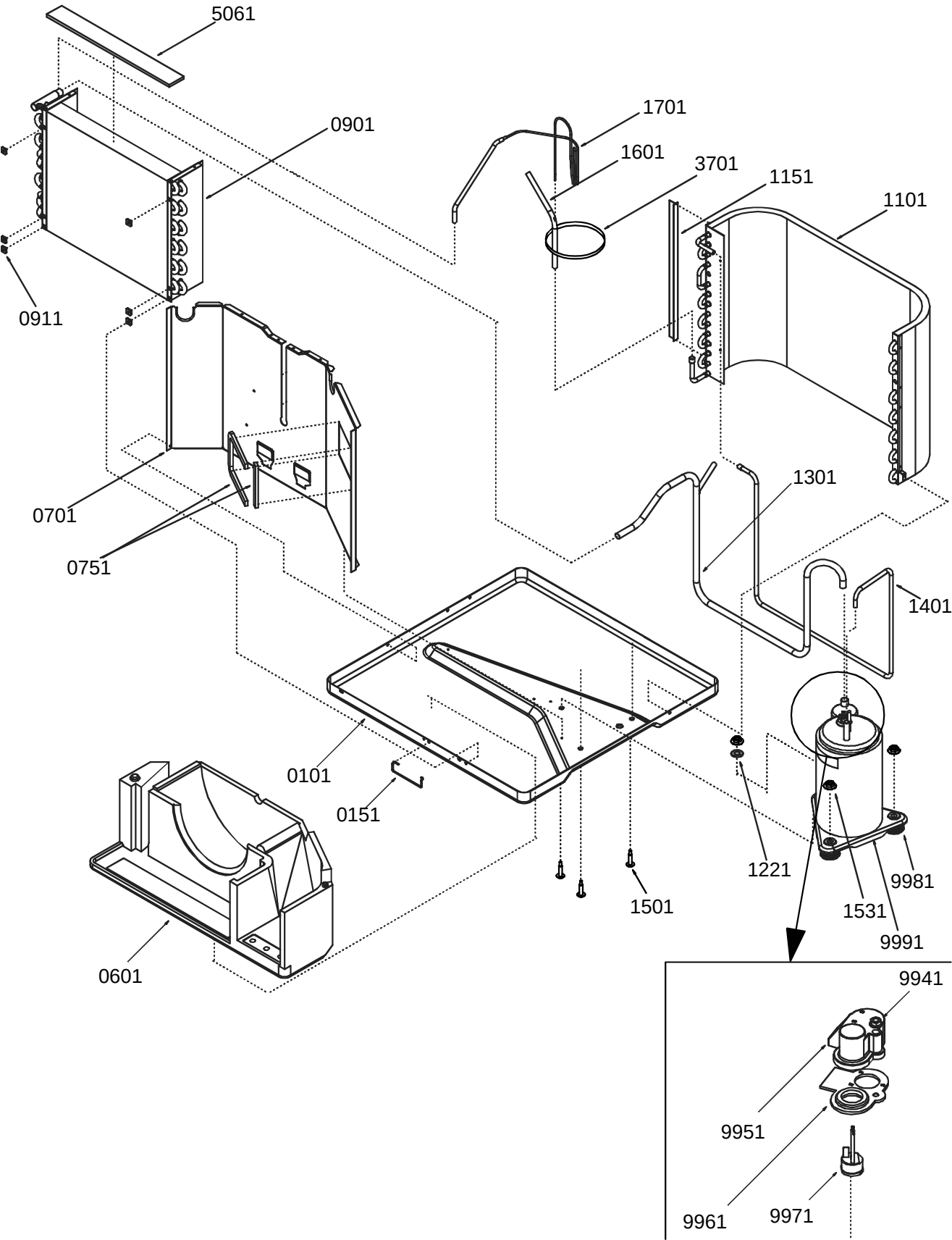
Image 1:

0011	20051701	FRONT-COMPACT
0021	20052601	LOUVER-HORIZ (QTY 2)
0031	20052701	RETAINER-LOUVER
0041	20046501	FAN-PL. COND.
0071	M0254830	SCREW-TAP-R (QTY 3)
0751	10839705	GASKET-URETHANE (M1, M2, M3, M6, M7, M8)
2401	20055502	SPRING-EXHAUST DOOR
2601	20051302	DOOR-EXHAUST
2701	20062703	SCROLL TOP (M4, M5, M8)
2701	20062701	SCROLL-EVAP TOP (M1, M2, M3, M6, M7)
2801	20055606	ACTUATOR-EXH DR
2901	20111201	LOUVER-VERT (QTY 3)
3001	20051404	GANG BAR-VERT LOUVER
3301	20051502	BASE-PIVOT (QTY 2)
3801	20075601	CLIP-T'STAT (M1)
3801	20065303	T'STAT BULB HLDR (M2, M3, M4, M5, M6, M7, M8)
3901	20065401	WIRE FORM-BL R (M4, M5, M8)
3951	20068702	PANEL-RIGHT SIDE
4001	10839706	GASKET-URETHANE (M4, M5)
4051	10839712	GASKET-URETHANE (M4, M5, M8)
4101	20090601	COVER-TOP
4311	10839710	GASKET-URETHANE (M4, M5, M8)
5011	M0219730	SCREW-SM (M4, M8)
5051	10839701	GASKET-URETHANE (M4, M5, M8)
5101	20051801	INSERT-COMPACT
5201	20064301	FILTER-COMPACT
9911	20063401	CONDENSER-SHROUD
9941	20061204	WHEEL-BLOWER (M4, M5, M6, M7)
9941	20061202	WHEEL-PL. BLOW (M1, M2, M3, M8)
9961	20059704	MOTOR-FAN 12M12TA (M1)
9961	20059709	MOTOR-FAN-230V COMP (M2, M3, M4, M5, M6, M7, M8)
9971	20053905	BRACKET-FAN
9981	20066401	HEATER (M6, M7)
9981	20066403	HEATER (M4, M5)
9991	20065202	SHIELD-HEATER (M4, M5, M6, M7)

Expanded Model Nomenclature

M1 - MC12A1TA2	P1230825R
M2 - MC12A2PA2	P1230826R
M3 - NC12A2PA2	P1214920R
M4 - NH12A3PA235	P1214924R
M5 - MH12A3PA235	P1230831R
M6 - ME12APA235	P1230822R
M7 - NE12A3PA235	P1214923R
M8 - MC12A2PB2	P1230838R

Chassis Assembly



Chassis Assembly

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
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Image 1:

0041	20117201	TUBE-CAPILLARY (M8)
0101	20070807	BASEPAN (M1, M2, M3, M6, M7, M8)
0151	20088701	HANDLE-BASEPAN (M1, M2, M3, M6, M7, M8)
0601	20062602	SCROLL BOTTOM (M8)
0601	20062601	SCROLL-EVAP BOTTOM (M1, M2, M3, M6, M7)
0701	20062507	PANEL-PARTITION (M1, M2, M3, M6, M7, M8)
0751	10839705	GASKET-URETHANE (M1, M2, M3, M6, M7)
0901	20112101	EVAP ASSY (M1)
0901	20116601	EVAPORATOR ASSY (M2, M3, M6, M7, M8)
0911	M0586001	GROMMET-SCREW (M1, M2, M3, M6, M7, M8)
1101	20112301BND	CONDENSER ASSY (M1, M2, M3, M6, M7, M8)
1151	20065008	SEAL STRIP-OUTER (M1, M2, M3, M6, M7, M8)
1221	20113001	WASHER-CUP (M1)
1301	20118801	SUCTION WELD (M1, M2, M3, M6, M7, M8)
1401	20076703	TUBE-DISCHARGE (M1, M2, M3, M6, M7, M8)
1501	20109101	BOLT-SHOULDER (M1, M2, M3, M6, M7, M8)
1531	20112901	NUT-PALNUT (M1, M2, M3, M6, M7, M8)
1601	B1394401	STRAINER (M1)
1701	20089202	CAPILLARY ASSY (M1)
1701	20117301	CAPILLARY ASSY (M2, M3, M6, M7, M8)
3701	M0321202	TIE-ELEC LG (M1, M2, M3, M6, M7, M8)
5061	10839816	GASKET-1/4 X 1.75 (M1, M2, M3, M6, M7, M8)
9941	A9036601	NUT-TERM COVER (M1, M2, M3, M6, M7, M8)
9951	C6470701	COVER-TERM (M1, M2, M3, M6, M7, M8)
9951	D6961670	OVERLOAD (M8)
9961	B1434901	GASKET-TERM COVER (M1, M2, M3, M6, M7, M8)
9971	D6961630	OVERLOAD (M1, M2, M3, M6, M7)
9981	A3448601	GROMMET (M3, M8)
9981	C6466001	GROMMET-COMP (M1, M2, M3, M6, M7, M8)
9991	11101510	COMP-TC RGA5512ENA (M2, M3, M6, M7, M8)
9991	11101508	COMP-TC RGA5512EXA (M1)
NS	10839716	GASKET-URETHANE (M1, M2, M3, M6, M7, M8)
NS	11108701	STRAINER/DIST (M2, M3, M6, M7, M8)

Expanded Model Nomenclature

M1 - MC12A1TA2	P1230825R
M2 - MC12A2PA2	P1230826R
M3 - NC12A2PA2	P1214920R
M4 - NH12A3PA235	P1214924R
M5 - MH12A3PA235	P1230831R
M6 - ME12APA235	P1230822R
M7 - NE12A3PA235	P1214923R
M8 - MC12A2PB2	P1230838R

Chassis Assembly

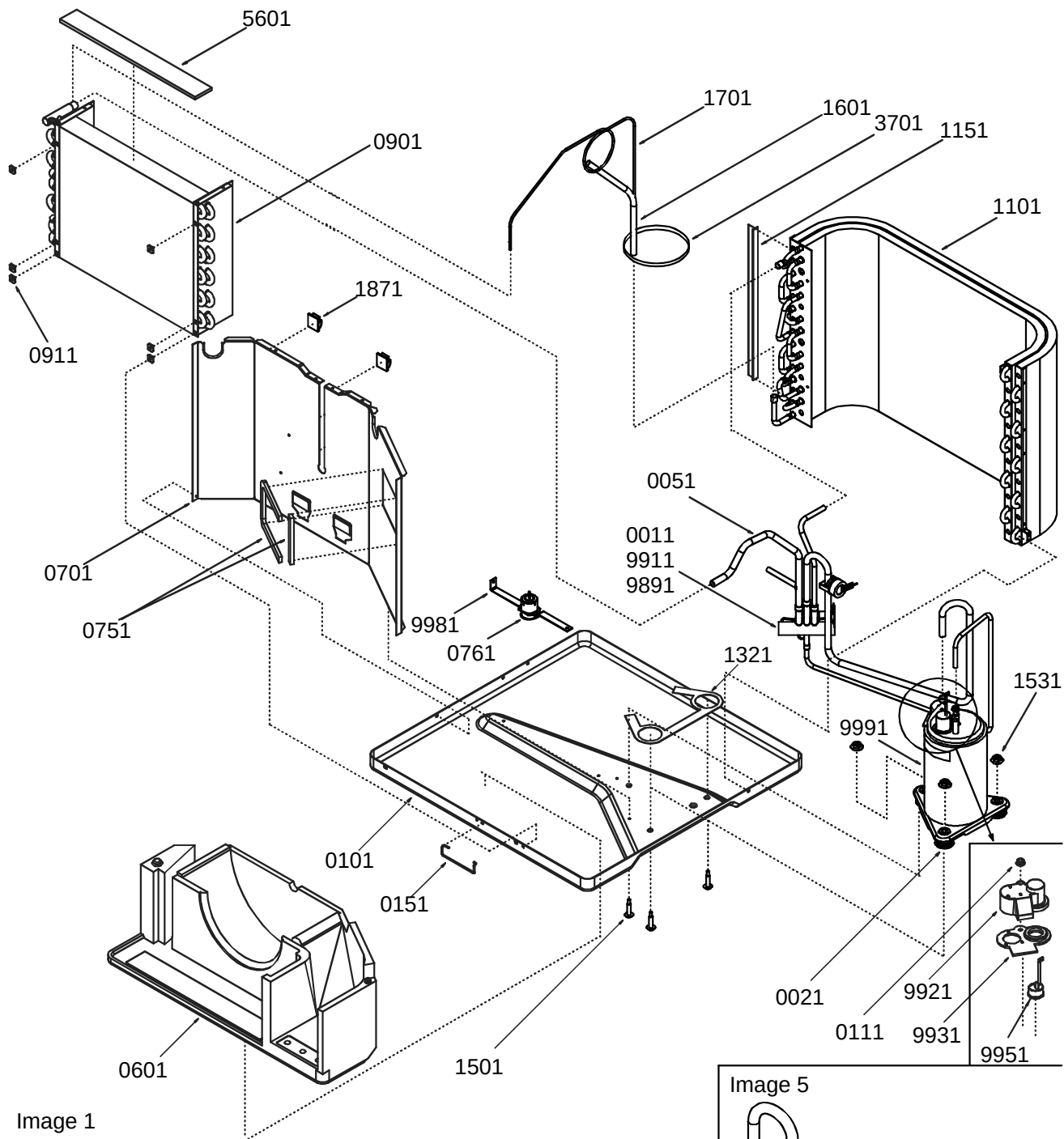


Image 1

Image 2

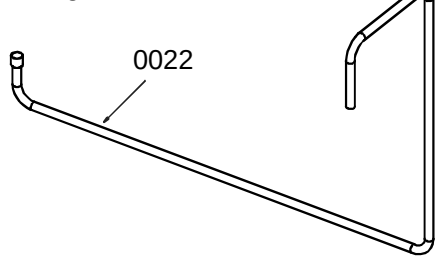


Image 3

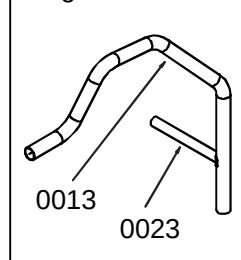


Image 4

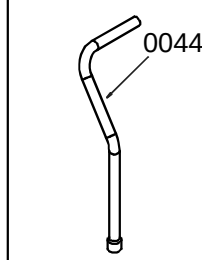
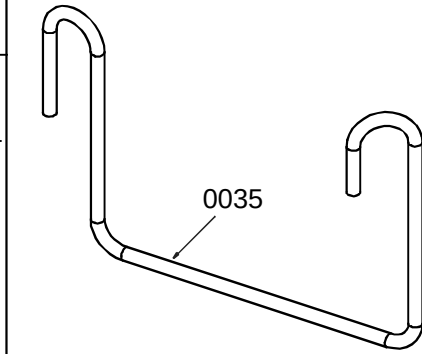


Image 5



Chassis Assembly

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
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Image 1:

0011	20097701	REV VALVE ASSY (M4, M5)
0021	A3448601	GROMMET (M4, M5)
0051	20104002	TUBE-EVAP WELD (M4, M5)
0101	20070806	BASEPAN (M4, M5)
0111	A9036601	NUT-TERM COVER (M4, M5)
0151	20088701	HANDLE-BASEPAN (M4, M5)
0601	20062602	SCROLL BOTTOM (M4, M5)
0701	20062507	PANEL-PARTITION (M4, M5)
0751	10839705	GASKET-URETHANE (M4, M5)
0761	20097202	VALVE-BASEPAN (M4, M5)
0901	20098501	EVAPORATOR ASSY (M4, M5)
0911	M0586001	GROMMET-SCREW (M4, M5)
1101	20083601	COND COIL ASSY (M4, M5)
1101	20112301	CONDENSER ASSY (M1)
1151	20065008	SEAL STRIP-OUTER (M4, M5)
1321	20099502	PROTECTOR-BASEPAN (M4, M5)
1501	20109101	BOLT-SHOULDER (M4, M5)
1531	20112901	NUT-PALNUT (M4, M5)
1601	B1394401	STRAINER (M4, M5)
1701	20107301	TUBE-CAPILLARY (M4, M5)
1871	M0104102	CLIP-CORD (M4, M5)
3701	M0321202	TIE-ELEC LG (M4, M5)
5601	10839816	GASKET-1/4 X 1.75 (M4)
9891	10702401	LOCKNUT COIL (M4, M5)
9911	10702202	COIL REVERSING VALVE (M4, M5)
9921	C6470701	COVER-TERM (M4, M5)
9931	B1434901	GASKET-TERM COVER (M4, M5)
9951	D6961622	OVERLOAD (M4, M5)
9981	20103701	BRACKET-DR VALVE (M4, M5)
9991	D9831801	COMP-TC RKA5513EXD (M4, M5)

Image 2:

0022	20098001	DISCHARGE TUBE (M4, M5)
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Image 3:

0013	20098302	EVAP TUBE (M4, M5)
0023	A4528923	TUBE-PROCESS (M4, M5)

Image 4:

0044	20098201	TUBE-CONDENSER (M4, M5)
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Image 5:

0035	20098101	SUCTION TUBE (M4, M5)
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Expanded Model Nomenclature

M1 - MC12A1TA2	P1230825R
M2 - MC12A2PA2	P1230826R
M3 - NC12A2PA2	P1214920R
M4 - NH12A3PA235	P1214924R
M5 - MH12A3PA235	P1230831R
M6 - ME12APA235	P1230822R
M7 - NE12A3PA235	P1214923R
M8 - MC12A2PB2	P1230838R

Control Assembly

Image 1

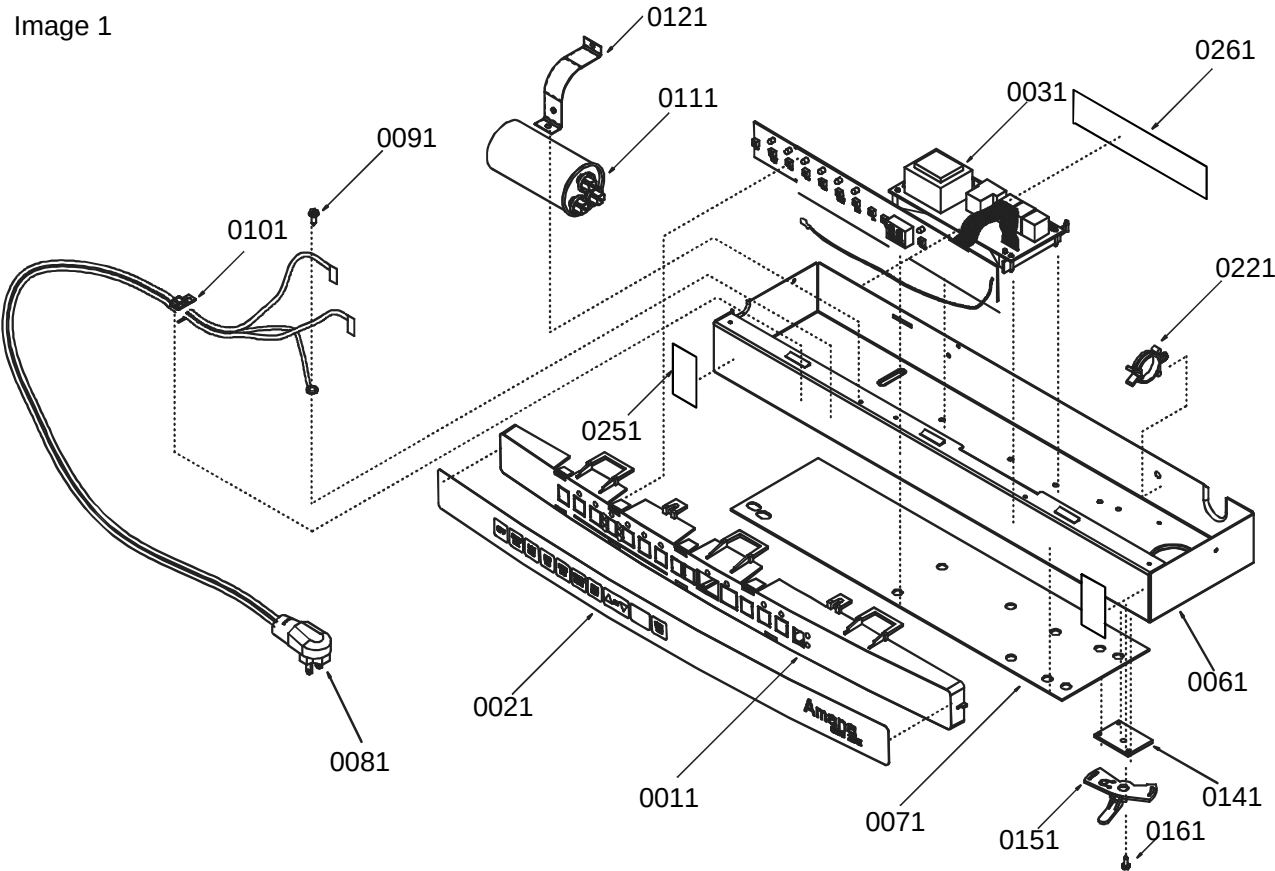
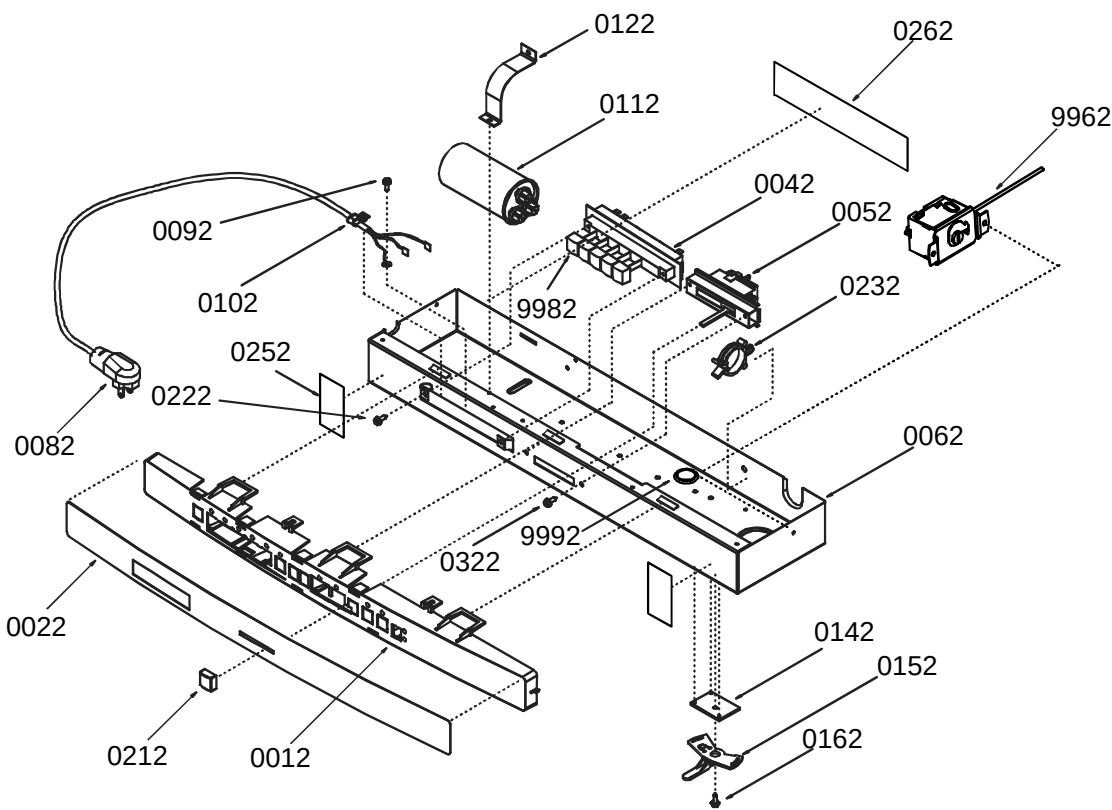


Image 2



Control Assembly

Ref. Part

No: No: Description:

Image 1:

0011	20052901	HOUSING-CONTROL (M1)
0021	20054101	OVERLAY-COMP-QZ (M1)
0031	20103501	BOARD-CONTROL-PC (M1)
0061	20063601	BOX-CONTROL (M1)
0071	20231801	INS-CONTROL BOX (M1)
0081	20057501	CORD-POWER (M1)
0091	M0227803	SCREW-TC (M1)
0101	M0103902	CLAMP-SPEED (M1)
0111	D6789049	CAPACITOR-POLY (M1)
0121	C6300511	STRAP-CAPACITOR (M1)
0141	20050701	BLOCK-INDEXING,VENT (M1)
0151	20050801	LEVER-CONTROL,VENT (M1)
0161	M0245104	SCREW-SM (M1)
0221	M0118702	CLIP-GUIDE (M1)
0251	10839820	GASKET-FOAM (M1)
0261	10839803	GASKET-CROSS LINK (M1)

Image 2:

0012	20052903	HOUSING-CONTROL (M2, M3, M8)
0012	20052905	HOUSING-CONTROL (M4, M5, M6, M7)
0022	20056901	OVERLAY-COOL/ZONE (M2, M3, M8)
0022	20056801	OVERLAY-HEAT/COOL (M4, M5, M6, M7)
0042	20066601	SWITCH-PUSH BUTTON (M6, M7)
0042	20066701	SWITCH-PUSH BUTTON (M4, M5)
0042	20066801	SWITCH-PUSH BUTTON (M2, M3, M8)
0052	20070402	THERMOSTAT (M4, M5, M6, M7)
0052	20070404	THERMOSTAT (M2, M3, M8)
0062	20063612	BOX-CONTROL (M4, M5, M6, M7)
0062	20063615	BOX-CONTROL (M2, M3, M8)
0082	22309901	CORD-230V 15AMP (M8)
0082	20057502	CORD-POWER (M2, M3)
0082	20057503	CORD-POWER (M4, M5, M6, M7)
0092	M0227803	SCREW-TC (M3, M4, M5, M6, M7, M8)
0102	M0103902	CLAMP-SPEED (M2, M3, M8)
0102	M0103906	CLAMP-SPEED (M4, M5, M6, M7)
0112	D6789022	CAPACITOR-DUAL (M2, M3, M6, M7, M8)
0112	D6789048	CAPACITOR-POLY (M4, M5)
0122	C6300511	STRAP-CAPACITOR (M3, M4, M5, M6, M7, M8)
0142	20050701	BLOCK-INDEXING,VENT (M2, M3, M4, M5, M6, M7, M8)
0152	20050801	LEVER-CONTROL,VENT (M3, M4, M5, M6, M7, M8)
0162	M0245104	SCREW-SM (M3, M4, M5, M6, M7, M8)
0212	20066001	KNOB (M2, M3, M4, M5, M6, M7, M8)
0222	M0216515	SCREW-SM (M4, M5, M8)
0232	M0118702	CLIP-GUIDE (M2, M3, M4, M5, M6, M7, M8)
0252	10839820	GASKET-FOAM (M2, M3, M4, M5, M6, M7, M8)
0262	10839803	GASKET-CROSS LINK (M2, M3, M4, M5, M6, M7, M8)
0322	M0202321	SCREW-MACH (M4, M5)
9962	20113701	SWITCHOVER-T'STAT (M4, M5)
9982	20113401	KNOB-PUSH BUTTON (M4, M5, M6, M7)
9992	A4554806	BUSHING-SNAP (M4, M5, M6, M7)

Ref. Part

No: No: Description:

Expanded Model Nomenclature

M1 - MC12A1TA2	P1230825R
M2 - MC12A2PA2	P1230826R
M3 - NC12A2PA2	P1214920R
M4 - NH12A3PA235	P1214924R
M5 - MH12A3PA235	P1230831R
M6 - ME12APA235	P1230822R
M7 - NE12A3PA235	P1214923R
M8 - MC12A2PB2	P1230838R