

Service Manual

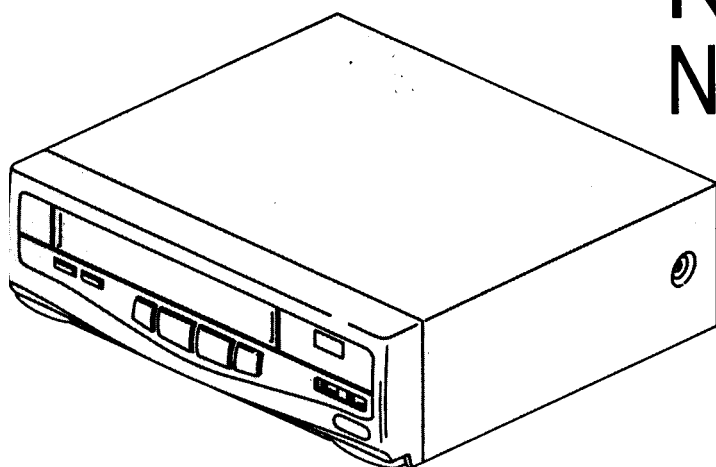
Video Cassette Player

Panasonic **VHS** **HQ**
PAL

NV-P01M2AMN
 NV-P03RM2AMN
 NV-P04RM2EEN
 NV-P05REEN/REUN

K-MECHANISM

Simplified



NV-P01M2AMN

SPECIFICATIONS \ **ТЕХНИЧЕСКИЕ ХАРАКТЕРИСТИКИ**COMPARISON CHART (SUFFIX D) \ **СРАВНИТЕЛЬНАЯ ТАБЛИЦА (SUFFIX D)**COMPARISON CHART (SUFFIX Z) \ **СРАВНИТЕЛЬНАЯ ТАБЛИЦА (SUFFIX Z)**SCHEMATIC DIAGRAMS \ **ПРИНЦИПИАЛЬНЫЕ СХЕМЫ**HEAD AMP SCHEMATIC DIAGRAM \ **ПРИНЦИПИАЛЬНАЯ СХЕМА УСИЛИТЕЛЯ ВИДЕОГОЛОВКИ**SYSTEM CONTROL & SERVO SECTION IN MAIN SCHEMATIC DIAGRAM \ **ПРИНЦИПИАЛЬНАЯ СХЕМА СИСТЕМЫ УПРАВЛЕНИЯ И СЕРВОПРИВОДА (ОСНОВНАЯ ПЛАТА)**LUMINANCE/CHROMINANCE SECTION IN MAIN SCHEMATIC DIAGRAM \ **ПРИНЦИПИАЛЬНАЯ СХЕМА ОБРАБОТКИ ВИДЕОСИГНАЛА (ОСНОВНАЯ ПЛАТА)**AUDIO / VIDEO PACK SCHEMATIC DIAGRAM \ **ПРИНЦИПИАЛЬНАЯ СХЕМА ОБРАБОТКИ АУДИО/ВИДЕОСИГНАЛА (ДОПОЛНИТЕЛЬНАЯ ПЛАТА)**EXPLODED VIEWS & MECHANICAL PARTS LIST \ **СБОРОЧНЫЕ ЧЕРТЕЖИ И СПИСОК МЕХАНИЧЕСКИХ ЗАПАСНЫХ ЧАСТЕЙ**CHASSIS PARTS SECTION (1) \ **ШАССИ, СЕКЦИЯ 1**CHASSIS PARTS SECTION (2) \ **ШАССИ, СЕКЦИЯ 2**CASING PARTS SECTION \ **КОРПУС**PACKING PARTS SECTION \ **УПАКОВОЧНЫЕ МАТЕРИАЛЫ**ELECTRICAL REPLACEMENT PARTS LIST (NV-P01M2AMN) \ **СПИСОК ЭЛЕКТРИЧЕСКИХ ЗАПАСНЫХ ЧАСТЕЙ (NV-P01M2AMN)**ELECTRICAL REPLACEMENT PARTS LIST (NV-P03RM2AMN) \ **СПИСОК ЭЛЕКТРИЧЕСКИХ ЗАПАСНЫХ ЧАСТЕЙ (NV-P03RM2AMN)**ELECTRICAL REPLACEMENT PARTS LIST (NV-P04RM2EEN) \ **СПИСОК ЭЛЕКТРИЧЕСКИХ ЗАПАСНЫХ ЧАСТЕЙ (NV-P04RM2EEN)**ELECTRICAL REPLACEMENT PARTS LIST (NV-P05REEN / REUN) \ **СПИСОК ЭЛЕКТРИЧЕСКИХ ЗАПАСНЫХ ЧАСТЕЙ (NV-P05REEN / REUN)**
Panasonic

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⚠ 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.

SPECIFICATIONS (NV-P01M2AMN)

ITEM	SPECIFICATION	ITEM	SPECIFICATION
POWER	SOURCE: 110/127/220 – 240V, 50/60 Hz	TAPE FORMAT	VHS Cassette tape (Tape width 12.7 mm)
	CONSUMPTION: 29 watts	TAPE SPEED	SP: 23.39 mm/s
RECORDING SYSTEM	2 rotary heads, helical scanning system		Playback Time:
RF OUT SYSTEM	PAL (Except NV-P01M2AMN)		4 hours with 240 min. type tape (NV-E240)
	VHF: CHE3/4	OPERATING CONDITION	FF/REW Time:
VIDEO	76 ± 3 dBμ, 75Ω terminated		3 minutes with 180 min. type tape (NV-E180)
	HEADS: 2 rotary heads		Temperature : 5°C – 40°C
	OUTPUT: VIDEO OUT Connector (Phono type)	DIMENSIONS	Humidity : 35% – 80%
AUDIO	1.0 Vp-p, 75Ω terminated	WEIGHT	320 (W)X91 (H)X293(D) mm
	HEAD: 1 Stationary head (Normal Audio)	STANDARD	4.1 kg
	OUTPUT: AUDIO OUT Connector (Phono type)	ACCESSORIES	1 pc. DIN-RF Cable
	–8 dBV (400mV), Less than 1 kΩ		1 pc. Remote Controller

Weight and dimensions shown are approximate.
Specifications are subject to change without notice.

SPECIFICATIONS (NV-P03RM2AMN / NV-P04RM2EEN)

ITEM	SPECIFICATION	ITEM	SPECIFICATION
POWER	SOURCE: 110/127/220 – 240V, 50/60 Hz	AUDIO	HEAD: 1 Stationary head (Normal Audio)
	CONSUMPTION: 30 watts		INPUT: AUDIO IN Connector (Phono type)
RECORDING SYSTEM	2 rotary heads, helical scanning system		–8 dBV (400mV), 47 kΩ
RF OUT SYSTEM	PAL	TAPE FORMAT	OUTPUT: AUDIO OUT Connector (Phono type)
	VHF: CHE3/4		–8 dBV (400mV), Less than 1 kΩ
	76 ± 3 dBμ, 75Ω terminated (NV-P03RM2AMN)	TAPE SPEED	VHS Cassette tape (Tape width 12.7 mm)
VIDEO	UHF: CH38±3		SP: 23.39 mm/s
	73 ± 3 dBμ, 75Ω terminated (NV-P04RM2EEN)		Record/Playback Time:
	HEADS: 2 rotary heads	OPERATING CONDITION	4 hours with 240 min. type tape (NV-E240)
VIDEO	INPUT: VIDEO IN Connector (Phono type)		FF/REW Time:
	1.0 Vp-p, 75Ω terminated		3 minutes with 180 min. type tape (NV-E180)
	OUTPUT: VIDEO OUT Connector (Phono type)	DIMENSIONS	Temperature : 5°C – 40°C
	1.0 Vp-p, 75Ω terminated	WEIGHT	Humidity : 35% – 80%
		STANDARD	320 (W)X91 (H)X293(D) mm
		ACCESSORIES	4.1 kg
			1 pc. DIN-RF Cable
			1 pc. Remote Controller

Weight and dimensions shown are approximate.
Specifications are subject to change without notice.

SPECIFICATIONS (NV-P05REEN / NV-P05REUN)

ITEM	SPECIFICATION	ITEM	SPECIFICATION
POWER	SOURCE: 110/127/220 – 240V, 50/60 Hz	TAPE FORMAT	VHS Cassette tape (Tape width 12.7 mm)
	CONSUMPTION: 30 watts	TAPE SPEED	SP: 23.39 mm/s
RECORDING	2 rotary heads, helical scanning system		Record/Playback Time:
SYSTE	PAL		4 hours with 240 min. type tape (NV-E240)
RF OUT SYSTEM	UHF : CH38±3 73 ± 3 dBμ, 75Ω terminated		FF/REW Time:
VIDEO	HEADS: 2 rotary heads	OPERATING	Temperature : 5°C – 40°C
	INPUT: VIDEO IN Connector (Phono type) 1.0 Vp-p, 75Ω terminated	CONDITION	Humidity : 35% – 80%
	OUTPUT: VIDEO OUT Connector (Phono type) 1.0 Vp-p, 75Ω terminated	DIMENSIONS	320 (W)X91 (H)X293(D) mm
		WEIGHT	4.1 kg
AUDIO	HEAD: 1 Stationary head (Normal Audio)	STANDARD	1 pc. DIN-RF Cable
	INPUT: AUDIO IN Connector (Phono type) –8 dBV (400mV), 47 kΩ	ACCESSORIES	1 pc. Remote Controller
	OUTPUT: AUDIO OUT Connector (Phono type) –8 dBV (400mV), Less than 1 kΩ		

Weight and dimensions shown are approximate.
Specifications are subject to change without notice.

INTRODUCTION

This service manual contains technical information which will help service personnel to understand and service the VHS Video Cassette Player NV-P01M2AMN, P03RM2AMN, P04RM2EEN, P05REEN/ REUN suffix D / NV-P01M2AMN, P03RM2AMN, P05REEN suffix Z.

Since this model has been developed from suffix T, this manual does not cover the same part which is already described in the service manual for NV-P01M2AMN, P03RM2AMN, P04RM2EEN, P05REEN/ REUN suffix T.

Therefore, when servicing, refer to the descriptions in the one for NV-P01M2AMN, P03RM2AMN, P04RM2EEN, P05REEN/ REUN suffix T Order No. VRD9512M162.

ПРИМ.: В этой серии имеются 4 типа моделей, три из которых обозначаются индексами Y, T, D, указанными на фирменной табличке и одна без индекса.

<Пример> NV-PO1M2AMN Y

Индексы означают следующее:

Y: Цилиндр типа UDD
Прежний печатный узел блока яркости и цветности (VER03A98D/E/F)
Прежний печатный узел усилителя головки (VER05199A/B)
Новый главный печатный узел (VER03C25F/G/H/K)
Новый силовой печатный узел для цилиндра UDD (VER01660A)

T: Цилиндр типа TDD
Прежний печатный узел блока яркости и цветности (VER03A98J/K)
Прежний печатный узел усилителя головки (VER05199B)
Новый главный печатный узел (VER03D40G/H/K)
Новый силовой печатный узел, используемый для цилиндра типа UDD или типа TDD (VER01660A)

Без инд.: Цилиндр типа UDD
Новый печатный узел блока яркости и цветности (VER03C24A/B/C/E)
Новый печатный узел усилителя головки (VER05228A/B)
Новый главный печатный узел (VER03C25A/B/C/E)
Новый силовой печатный узел для цилиндра UDD (VER01660A)

D: Цилиндр типа TDD
Новый печатный узел блока яркости и цветности (VER03C24A/F/G/J)
Новый печатный узел усилителя головки (VER05228A/B)
Новый главный печатный узел (VER03D40Q/L/M/P)
Новый силовой печатный узел, используемый для цилиндра типа UDD или типа TDD (VER01660A)

Эта инструкция по техническому обслуживанию содержит техническую информацию о моделях D и с индексом Z.

Имеются 4 модели, три из которых обозначаются кодами C, D и E и одна без кода, в комбинации с одним из индексов (Y, T, нет индекса, D):

- | | |
|----------------------|--|
| 1. Индекс + без кода | : Марка Панасоник |
| 2. Индекс + C | : Сделано в Малайзии |
| 3. Индекс + D | : Вариант золотистой окраски |
| 4. Индекс + E | : Сделано в Малайзии, вариант золотистой окраски |

Подробности указаны ниже:

[Индекс: Y] Y : Марка Панасоник
YC : Сделано в Малайзии
YD : Вариант золотистой окраски
YE : Сделано в Малайзии, вариант золотистой окраски

[Индекс: T] T : Марка Панасоник
TC : Сделано в Малайзии
TD : Вариант золотистой окраски
TE : Сделано в Малайзии, вариант золотистой окраски

[Индекс: без инд.] - : Марка Панасоник
- C : Сделано в Малайзии
- D : Вариант золотистой окраски
- E : Сделано в Малайзии, вариант золотистой окраски

[Индекс: D] D : Марка Панасоник
DC : Сделано в Малайзии
DD : Вариант золотистой окраски
DE : Сделано в Малайзии, вариант золотистой окраски

При оформлении заказов деталей видеомэгнитофона и упаковочных материалов, укажите пожалуйста вышеотмеченные индексы и коды, соответствующие Вашим потребностям, руководствуясь при этом графой примечаний списка запасных частей.

1. COMPARISON CHART (SUFFIX D)

These charts show the difference between the basic model NV-P01M2AMN, P03RM2AMN, P04RM2EEN, P05REEN / REUN suffix T and the new model NV-P01M2AMN, P03RM2AMN, P04RM2EEN, P05REEN / REUN suffix D.

Note : IMPORTANT SAFETY NOTICE

Parts indicated by the mark < ! > have the special safety characteristics.
When replacing any of these parts, use only the same type.

SUFFIX D Electrical Replacement Parts				(A) = Added, (C) = Changed, (D) = Deleted	
Ref. No.	suffix T	suffix D	Pieces	Parts Name & Descriptions	Remarks
		VEP03D40Q	0 → 1	MAIN C.B.A. (P01M2AMN)	(A)
	VEP03D40G	VEP03D40L	1	MAIN C.B.A. (P03RM2AMN)	(C)
	VEP03D40H	VEP03D40M	1	MAIN C.B.A. (P04RM2EEN)	(C)
	VEP03D40K	VEP03D40P	1	MAIN C.B.A. (P05REEN/REUN)	(C)
	VEP03A98J		1 → 0	LUMI/CHRO PACK C.B.A. (P03RM2AMN/P04RM2EEN)	(D)
	VEP03A98K		1 → 0	LUMI/CHRO PACK C.B.A. (P05REEN/REUN)	(D)
		VEP03C24A	0 → 1	AUDIO/VIDEO PACK C.B.A. (P01M2AMN)	(A)
		VEP03C24F	0 → 1	AUDIO/VIDEO PACK C.B.A. (P03RM2AMN)	(A)
		VEP03C24G	0 → 1	AUDIO/VIDEO PACK C.B.A. (P04RM2EEN)	(A)
		VEP03C24J	0 → 1	AUDIO/VIDEO PACK C.B.A. (P05REEN/REUN)	(A)
		VEP00U10A	0 → 1	LED C.B.A.(P01M2AMN)	(A)
	VEP05199B		1 → 0	HEAD AMP C.B.A. (P03RM2AMN/P04RM2EEN /P05REEN/REUN)	(D)
		VEP05228A	0 → 1	HEAD AMP C.B.A.(P01M2AMN)	(A)
		VEP05228B	0 → 1	HEAD AMP C.B.A. (P03RM2AMN/P04RM2EEN /P05REEN/REUN)	(A)
		VEP01660A	0 → 1	POWER C.B.A.(P01M2AMN)	(A) < ! >
		VEP02442A	0 → 1	POWER TR. C.B.A. (P01M2AMN)	(A)

2. COMPARISON CHART (SUFFIX Z)

These charts show the difference between the basic model NV-P01M2AMN, P03RM2AMN, P04RM2EEN, P05REEN / REUN suffix T and the new model NV-P01M2AMN, P03RM2AMN, P05REEN suffix Z.

Note : IMPORTANT SAFETY NOTICE

Parts indicated by the mark < ! > have the special safety characteristics.

When replacing any of these parts, use only the same type.

SUFFIX Z Electrical Replacement Parts				(A) = Added, (C) = Changed, (D) = Deleted	
Ref. No.	suffix T	suffix Z	Pieces	Parts Name & Descriptions	Remarks
		VEP03D40Q	0 → 1	MAIN C.B.A. (P01M2AMN)	(A)
	VEP03D40G	VEP03D40L	1	MAIN C.B.A. (P03RM2AMN)	(C)
	VPE03D40H		1 → 0	MAIN C.B.A. (P04RM2EEN)	(D)
	VEP03D40K	VEP03D40P	1	MAIN C.B.A. (P05REEN)	(C)
	VEP03D40K		1 → 0	MAIN C.B.A. (P05REUN)	(D)
	VEP03A98J		1 → 0	LUMI/CHRO PACK C.B.A. (P03RM2AMN/P04RM2EEN)	(D)
	VEP03A98K		1 → 0	LUMI/CHRO PACK C.B.A. (P05REEN/REUN)	(D)
		VEP03C24A	0 → 1	AUDIO/VIDEO PACK C.B.A. (P01M2AMN)	(A)
		VEP03C24F	0 → 1	AUDIO/VIDEO PACK C.B.A. (P03RM2AMN)	(A)
		VEP03C24J	0 → 1	AUDIO/VIDEO PACK C.B.A. (P05REEN)	(A)
		VEP00U10A	0 → 1	LED C.B.A.(P01M2AMN)	(A)
	VEP00U10B		1 → 0	LED C.B.A.(P04RM2EEN)	(D)
	VEP00U10D		1 → 0	LED C.B.A.(P05REUN)	(D)
	VEP05199B		1 → 0	HEAD AMP C.B.A. (P03RM2AMN/P04RM2EEN /P05REEN/P05REUN)	(D)
		VEP05228A	0 → 1	HEAD AMP C.B.A.(P01M2AMN)	(A)
		VEP05228B	0 → 1	HEAD AMP C.B.A. (P03RM2AMN/P05REEN)	(A)
		VEP01660A	0 → 1	POWER C.B.A.(P01M2AMN)	(A) < ! >
	VEP01660A		1 → 0	POWER C.B.A. (P04RM2AMN/P05REUN)	(D) < ! >
		VEP02442A	0 → 1	POWER TR. C.B.A. (P01M2AMN)	(A)
	VEP02442A		1 → 0	POWER TR. C.B.A. (P04RM2AMN/P05REUN)	(D)

3. SCHEMATIC DIAGRAMS

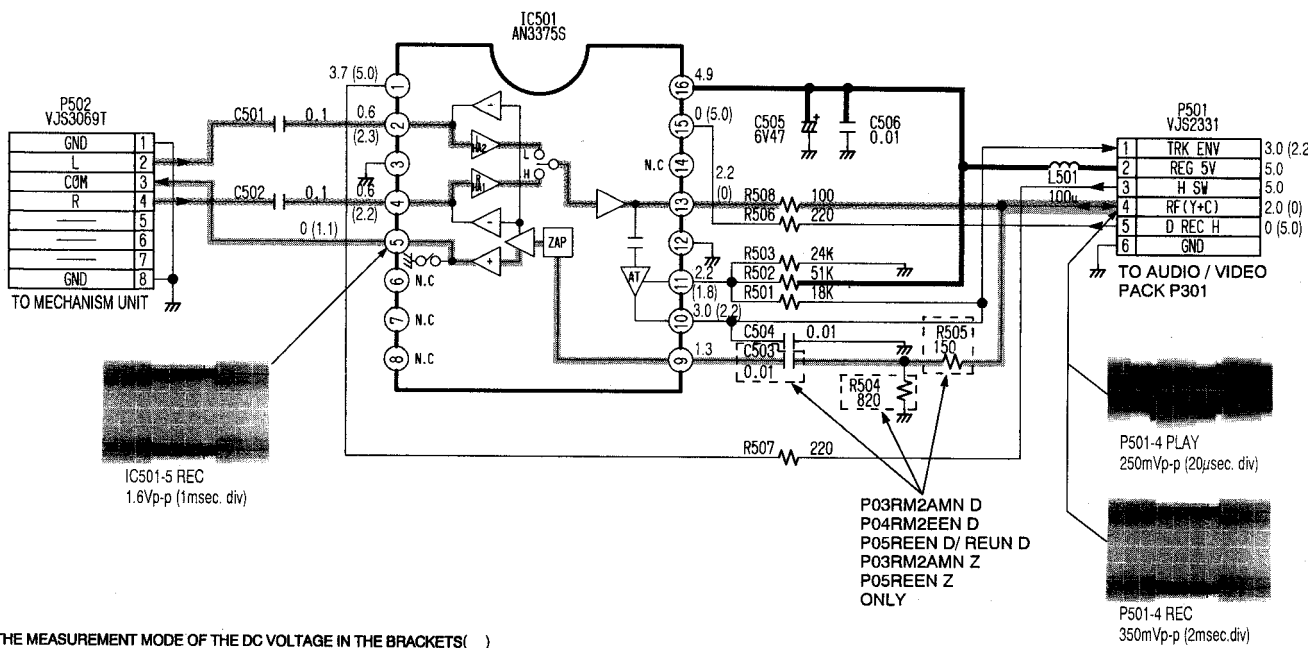
3-1. HEAD AMP SCHEMATIC DIAGRAM

C

B

A

VIDEO MAIN SIGNAL PATH IN REC MODE
VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE



NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS () ON THIS DIAGRAM IS RECORD MODE WITH PAL COLOUR SIGNAL. (SP MODE)
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE WITH PAL COLOUR SIGNAL. (SP MODE)

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

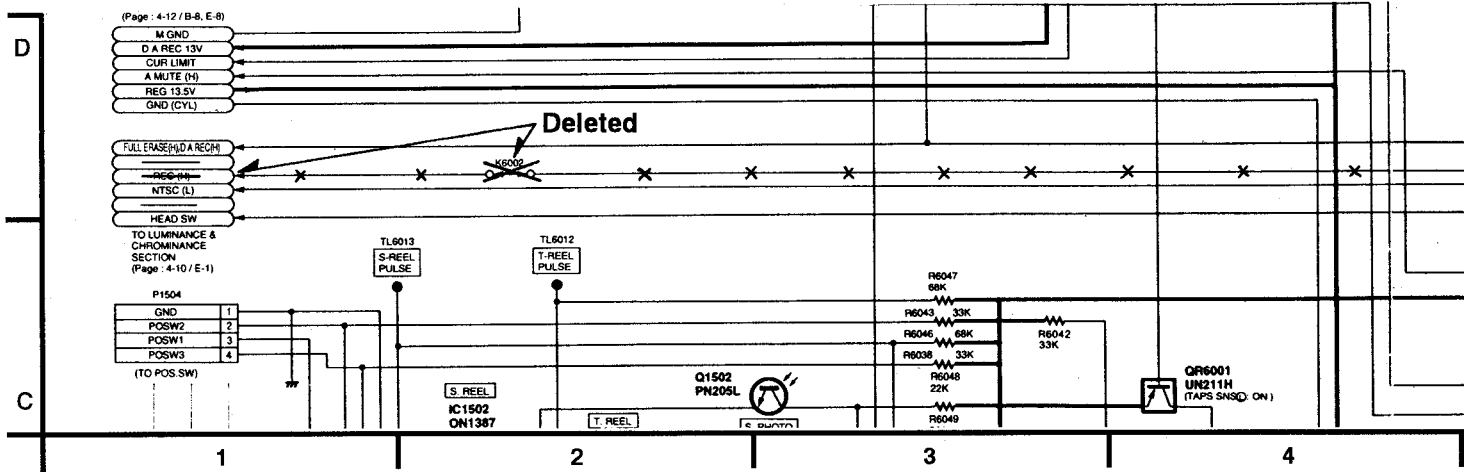
1

2

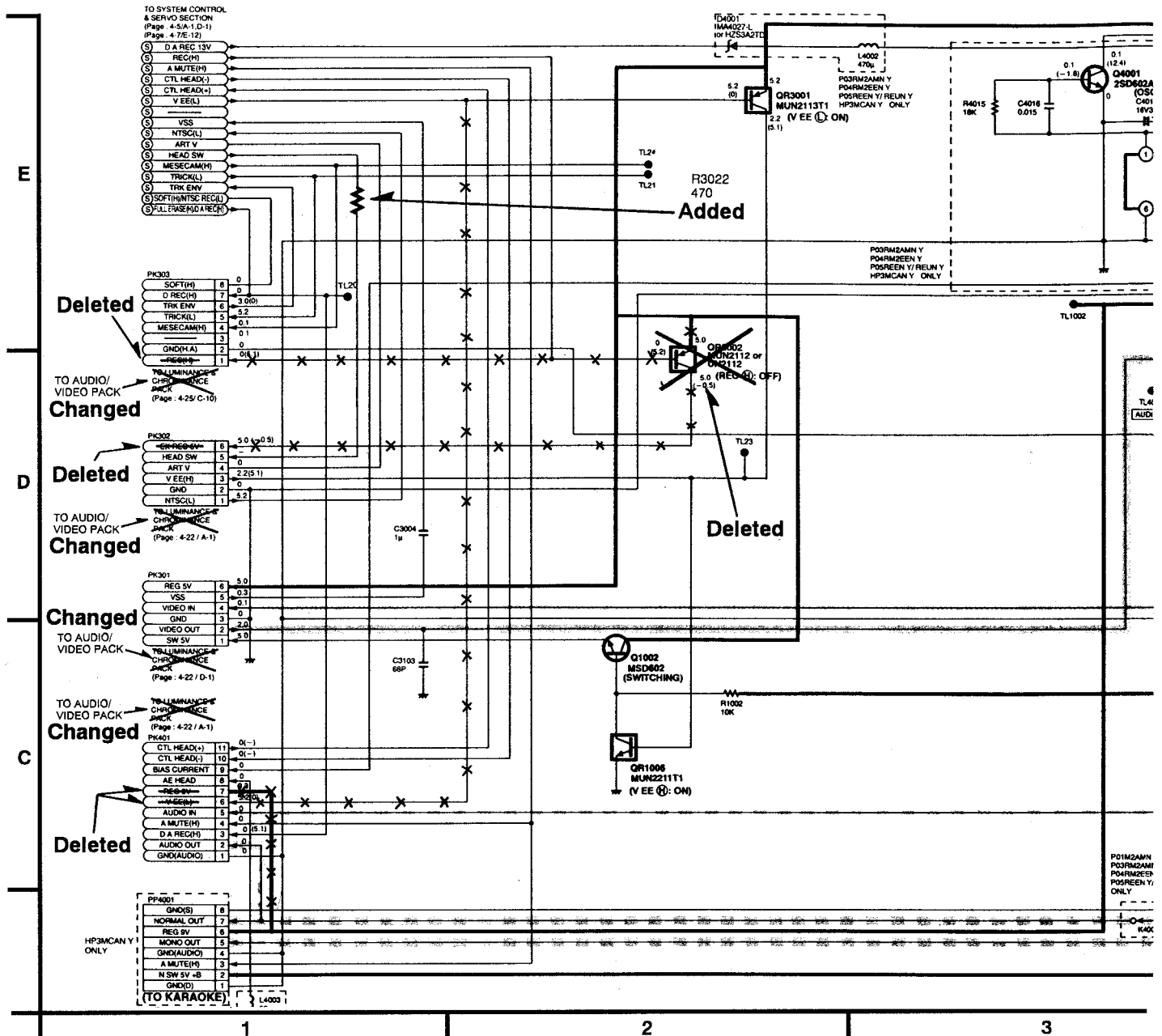
3

4

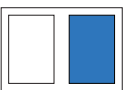
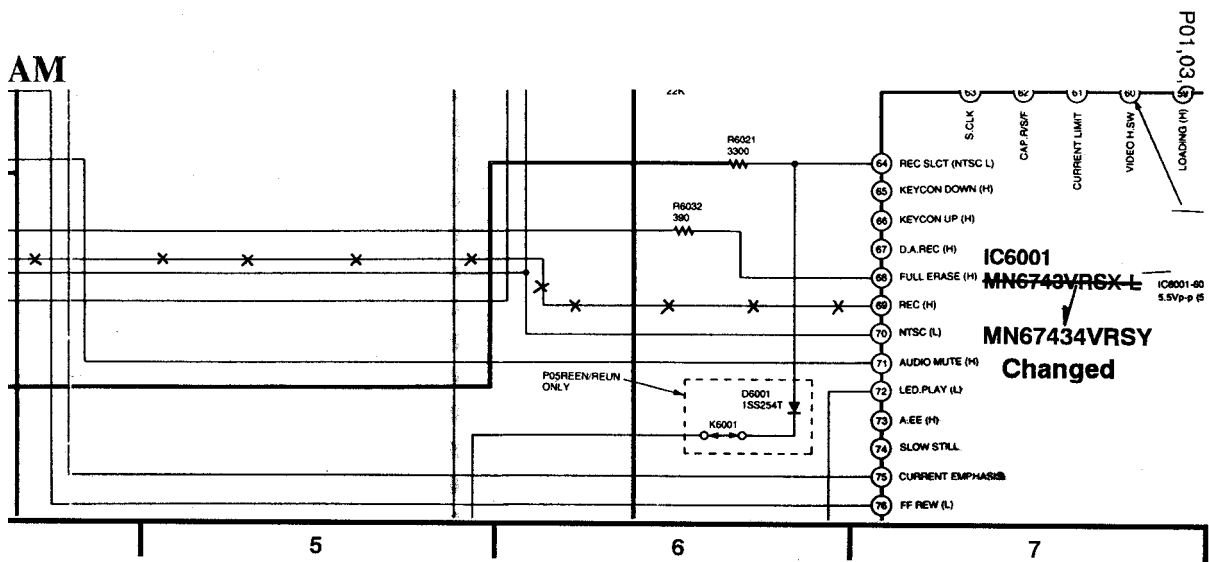
3-3. SYSTEM CONTROL & SERVO SECTION IN MAIN SCHEMATIC DIAGRAM



3-4. LUMINANCE & CHROMINANCE SECTION IN MAIN SCHEMATIC DIAGRAM

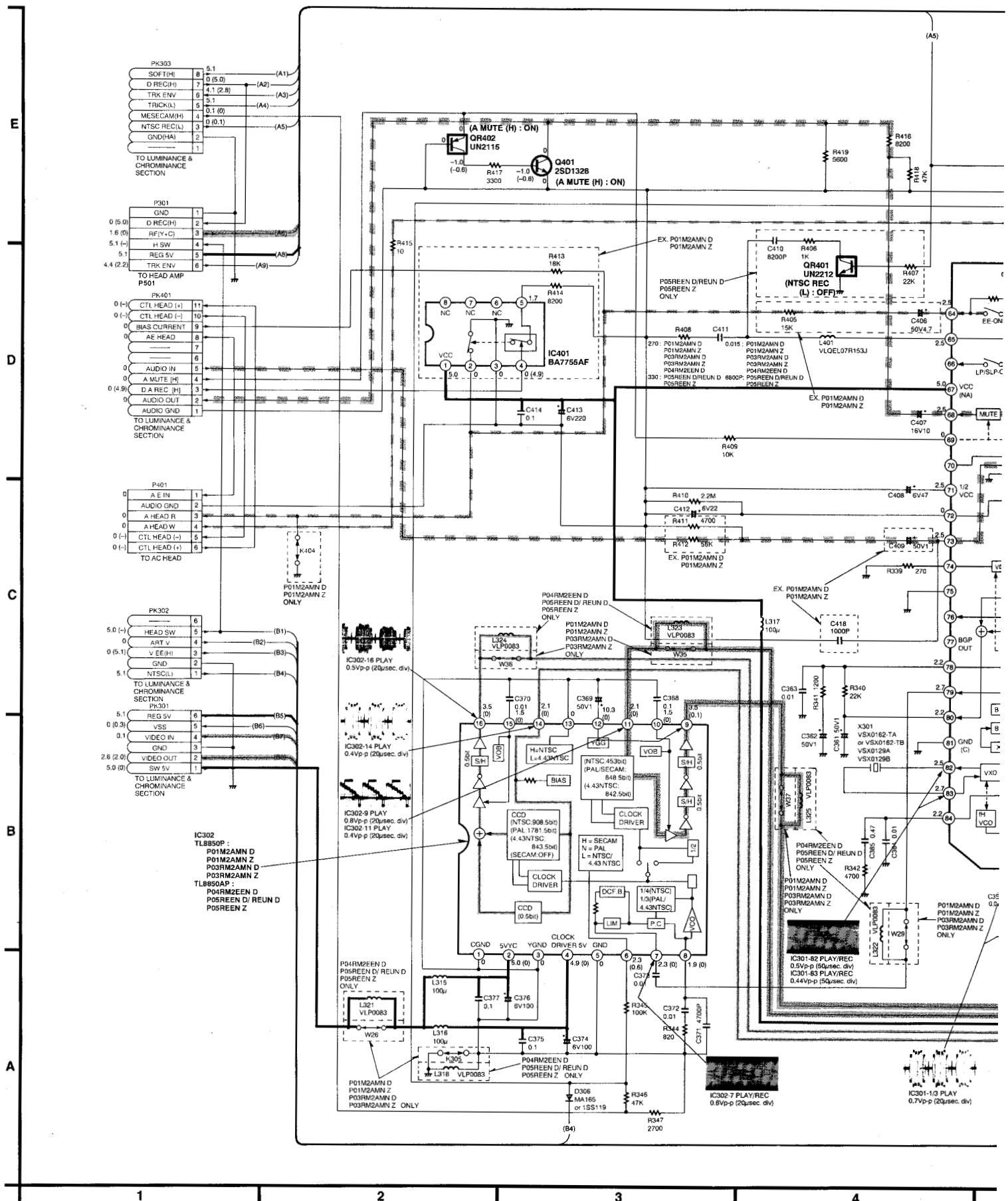


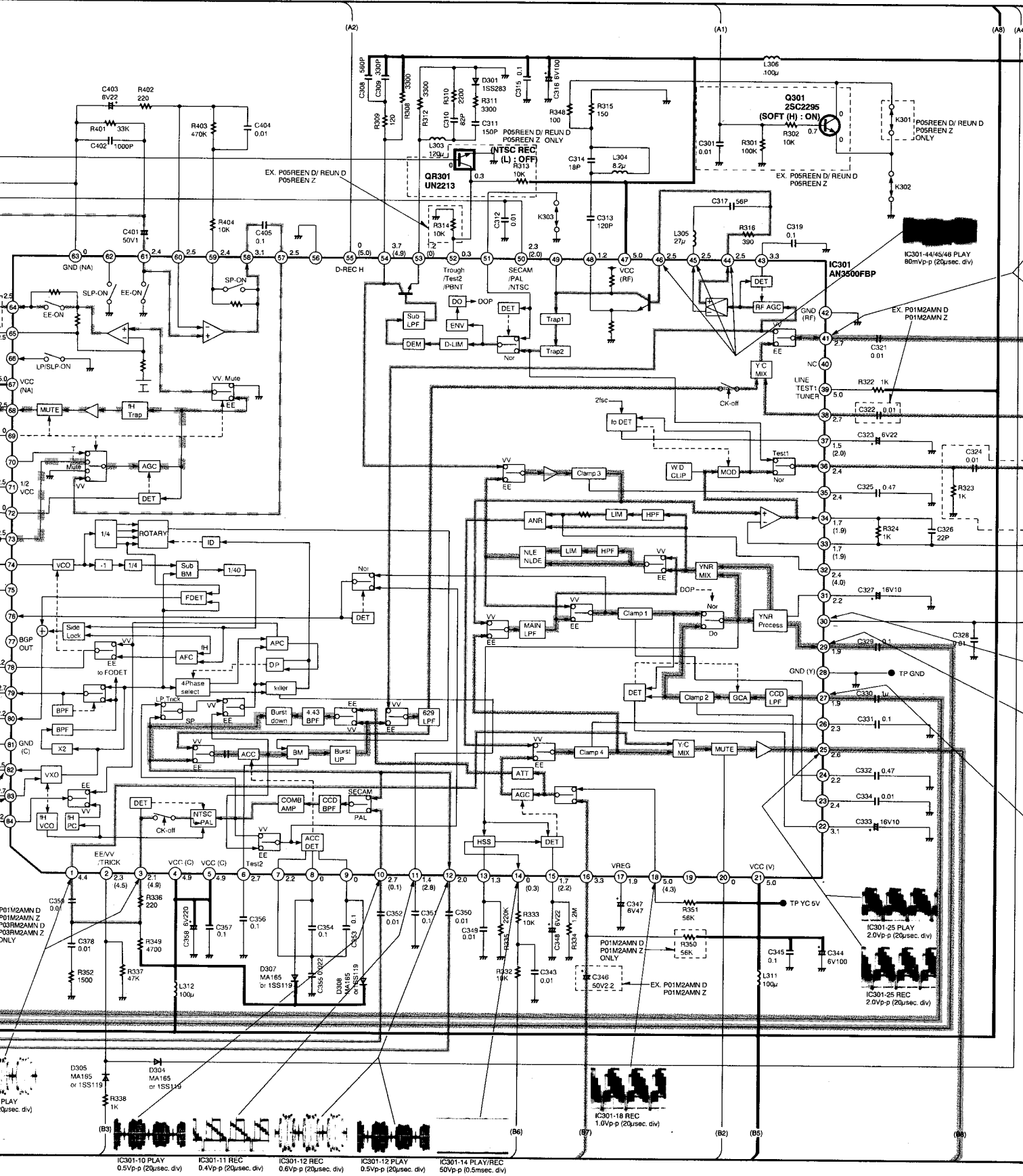
AM

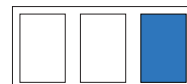
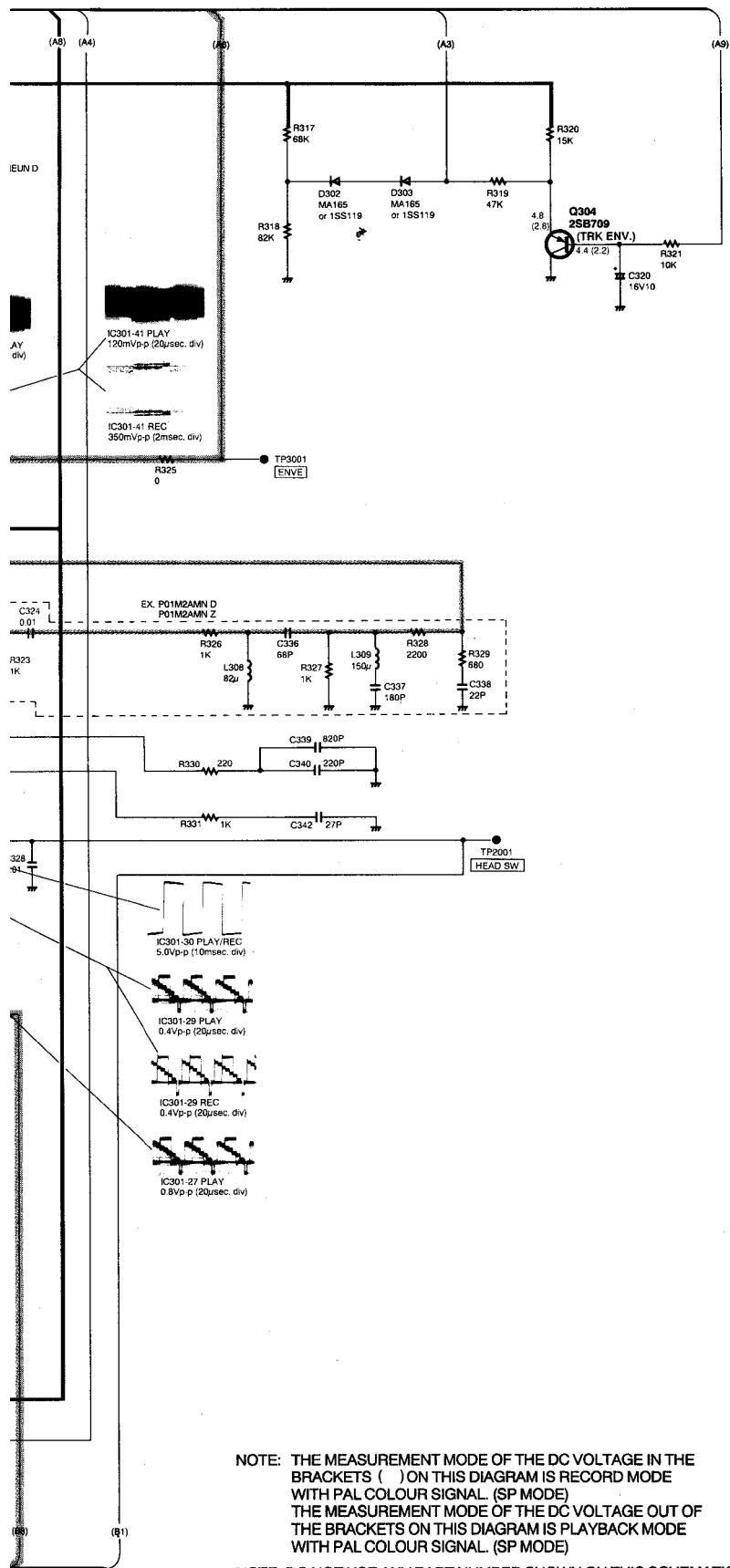


3-7. AUDIO / VIDEO PACK SCHEMATIC DIAGRAM

VIDEO MAIN SIGNAL PATH



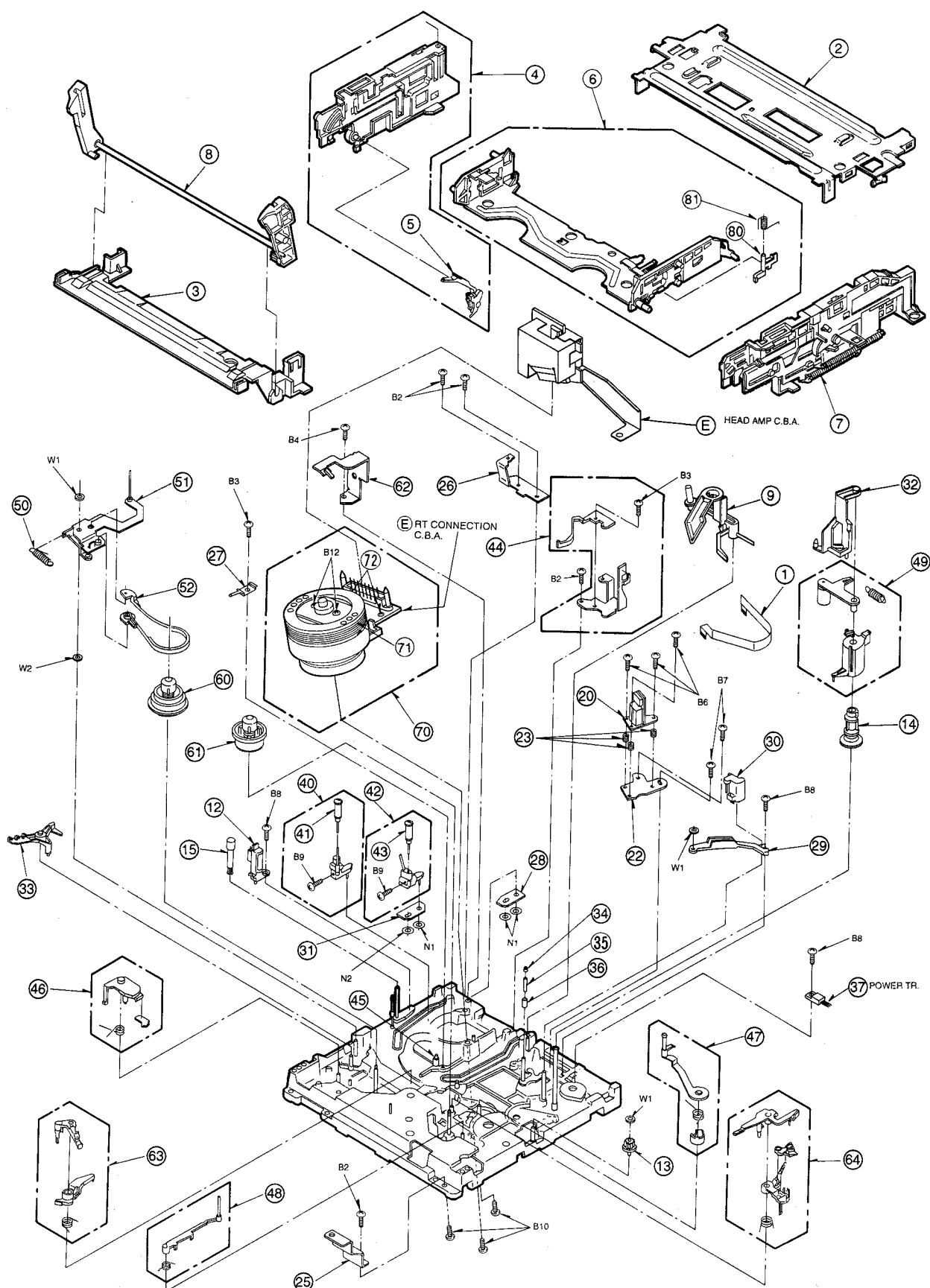




4. EXPLODED VIEWS & PARTS LIST

4-1. EXPLODED VIEW MECHANICAL REPLACEMENT PARTS LIST

1. CHASSIS PARTS SECTION (1)



Note:1.* Be sure to make your orders of replacement parts according to this list.
 2.IMPORTANT SAFETY NOTICE
 Components identified with the mark (!) have the special characteristics for safety. When replacing any of these components,use only the same type.

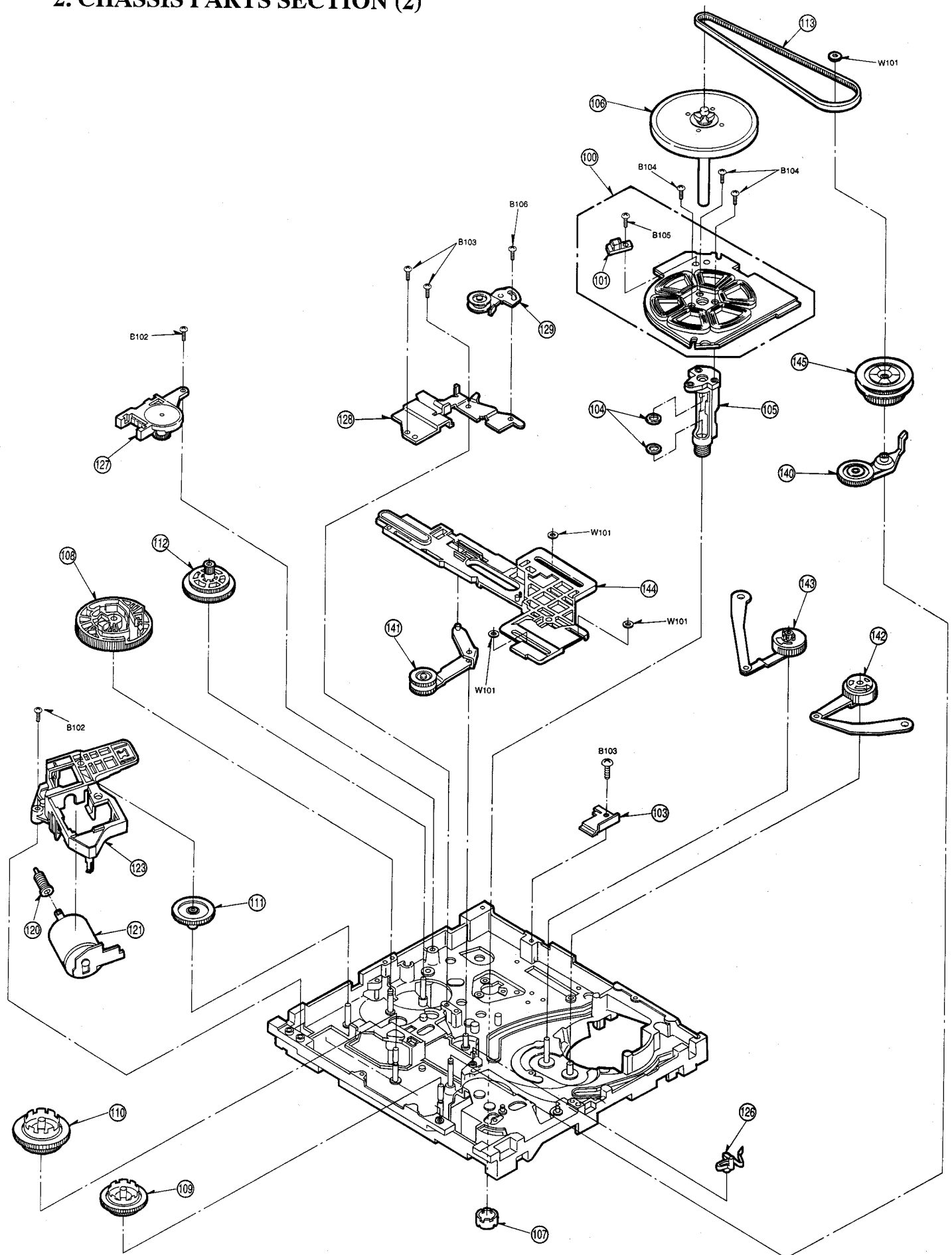
Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1 (1)	VWJ0758	FLEXIBLE CABLE (6P)	1	P4001-P1501
2 (1)	VMA8644	TOP PLATE	1	
3 (1)	VMA8787	CASSETTE GUIDE	1	
4 (1)	VXA4660	SIDE PLATE (L) UNIT	1	
5 (1)	VML2902	OPENER LEVER UNIT	1	
6 (1)	VXA4661	CASSETTE HOLDER PLATE UNIT	1	
7 (1)	VXA4806	SIDE PLATE (R) UNIT	1	
8 (1)	VXP1339	MAIN SHAFT UNIT	1	
9 (1)	VML2908	CLEANER ARM UNIT	1	
12 (1)	VBS0053	FE HEAD	1	[SUPPLIED FROM MAV]
				NV-PO3RM2AMN
				NV-PO4RM2EEN
				NV-PO5REEN/REUN
13 (1)	VDG0871	CARRIAGE CONNECTION GEAR	1	
14 (1)	VDG0886	PINCH CAM GEAR	1	
15 (1)	VXP1402	IMPEDANCE ROLLER UNIT	1	NV-PO3RM2AMN
				NV-PO4RM2EEN
				NV-PO5REEN/REUN
20 (1)	VED0228	A/C HEAD (1) UNIT	1	[SUPPLIED FROM MAV]
				NV-PO1M2AMN
20 (1)	VED0234	A/C HEAD (1) UNIT	1	[SUPPLIED FROM MAV]
				OR VED0205
				NV-PO3RM2AMN
				NV-PO4RM2EEN
				NV-PO5REEN/REUN
22 (1)	VMA8624	A/C HEAD BASE	1	
23 (1)	VMB2515	A/C HEAD SPRING	3	
25 (1)	VMA8761	MOUNT ANGLE	1	
26 (1)	VMA9158	HEAD AMP MOUNT ANGLE (L)	1	
27 (1)	VWC0917	EARTH SPRING	1	
28 (1)	VMA8874	INCLIND BASE HOLDER (S)	1	
29 (1)	VMD2078	P5 STOPPER BASE	1	
30 (1)	VXA4927	P5 POST STOPPER	1	
31 (1)	VMA8873	INCLIND BASE HOLDER (T)	1	
32 (1)	VMD2101	OPENER PIECE	1	
33 (1)	VML2776	TENSION SPRING ARM	1	
34 (1)	VMX1544	P4 UPPER LIMITER	1	
35 (1)	VMX2175	P4 SLEEVE	1	
36 (1)	VMX2176	P4 LOWER LIMITER	1	
37 (1)	2SB1565F46	POWER TRANSISTOR	1	[SUPPLIED FROM MAV]
40 (1)	VXA5096KIT	INCLINED BASE (S) UNIT	1	[SUPPLIED FROM MAV]
41 (1)	VXP1454	ROLLER POST	2	[SUPPLIED FROM MAV]
42 (1)	VXA5098KIT	INCLINED BASE (T) UNIT	1	[SUPPLIED FROM MAV]
43 (1)	VXP1455	ROLLER POST	1	[SUPPLIED FROM MAV]
44 (1)	VXA4974	HEAD AMP MOUNT ANGLE (R) U.	1	
45 (1)	VMS5383	CASSETTE POSITION FIXTURE	1	
46 (1)	VXL2310	REVIEW ARM UNIT	1	
47 (1)	VXL2306	P5 ARM UNIT	1	
48 (1)	VXL2243	TAKE UP TENSION REGULATOR	1	
		ARM UNIT		
49 (1)	VXL2246	PINCH ARM UNIT	1	
50 (1)	VMB2434	TENSION SPRING	1	
51 (1)	VXL2309	TENSION ARM (1) UNIT	1	
52 (1)	VX20310	TENSION BAND UNIT	1	
60 (1)	VXRO221	SUPPLY REEL TABLE UNIT	1	
61 (1)	VXRO222	TAKE UP REEL TABLE UNIT	1	
62 (1)	VXS0114	EARTH PLATE UNIT	1	
63 (1)	VX20312	SUPPLY BRAKE ARM UNIT	1	
64 (1)	VX20313	TAKE UP BRAKE ARM UNIT	1	
70 (1)	VEG1103	CYLINDER UNIT	1	[SUPPLIED FROM MAV]
				OR VEG1343
71 (1)	VEHO621	UPPER CYLINDER UNIT	1	
72 (1)	VHD0534	SCREW	2	
80 (1)	VML2680	RELEASE LEVER	1	
81 (1)	VMB2013	RELEASE SPRING	1	
B2 (1)	XTV26+6F	SCREW	4	
B3 (1)	XTV26+4F	SCREW	2	
B4 (1)	XTN3+8FFZ	SCREW	1	
B6 (1)	VHD0762	SCREW	3	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
B7 (1)	XTV26+6FZ	SCREW	2	
B8 (1)	XTV26+8F	SCREW	3	
B9 (1)	VHD0760	SCREW	2	
B10 (1)	VHD0342	SCREW	3	
B12 (1)	VHD0435	SCREW	2	
N1 (1)	VHNO192	NUT	3	
N2 (1)	VHNO193	NUT	1	
W1 (1)	VMX2208	WASHER	3	
W2 (1)	XWGV26D5G	WASHER	1	

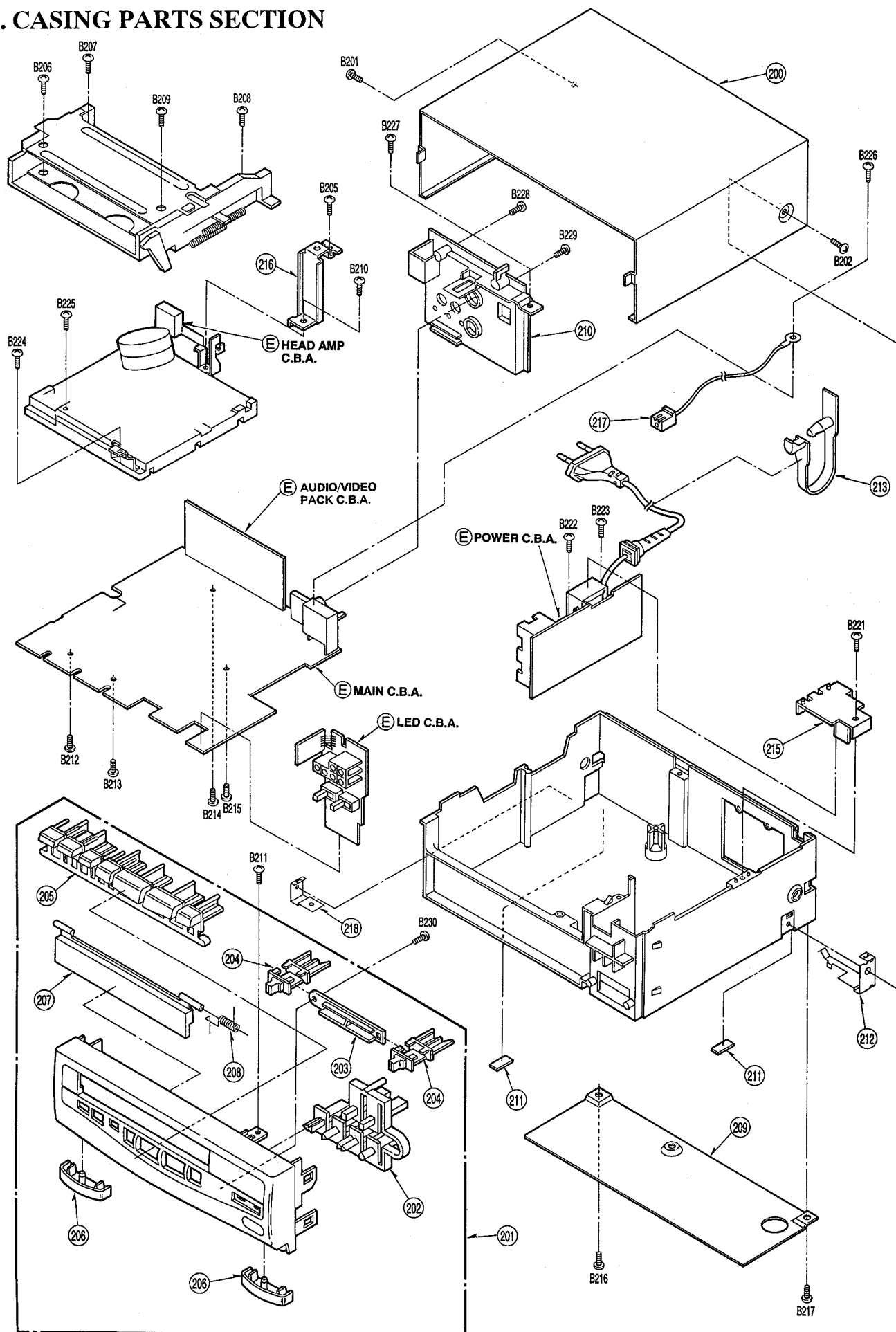
Note:1.* Be sure to make your orders of replacement parts according to this list.
 2.IMPORTANT SAFETY NOTICE
 Components identified with the mark (!) have the special characteristics for safety. When replacing any of these components,use only the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
100 (2)	VEK5927	STATOR UNIT	1	
101 (2)	VBK0061	PG HEAD	1	
103 (2)	VMA8930	ROTOR STOPPER	1	
104 (2)	VMX1927	OIL SEAL	2	
105 (2)	VXD0140	HOUSING UNIT	1	
106 (2)	VXP1350	ROTOR UNIT	1	
107 (2)	VXD0297	THRUST SCREW UNIT	1	[SUPPLIED FROM MAV]
108 (2)	VDG0913	MAIN CAM GEAR	1	
109 (2)	VDG0956	SUPPLY REEL GEAR	1	
110 (2)	VDG0957	TAKE UP REEL GEAR	1	
111 (2)	VDG0868	WORM WHEEL GEAR	1	
112 (2)	VDG0885	SUB CAM GEAR	1	
113 (2)	VDV0235	TIMING BELT	1	
120 (2)	VDG0866	WORM GEAR	1	
121 (2)	VEM0427	LOADING MOTOR (1) UNIT	1	
123 (2)	VMD1942	MOTOR BRACKET	1	
126 (2)	VML2725	IDLER CONTROL LEVER	1	
127 (2)	VSS0365	MODE SW	1	
128 (2)	VMA8965	SS BRAKE BASE	1	
129 (2)	VXA4799	TENSION ROLLER UNIT	1	
140 (2)	VXL2229	IDLER ARM UNIT	1	
141 (2)	VXL2372	DIRECT LEVER UNIT	1	
142 (2)	VXL2299	SUPPLY LOADING ARM UNIT	1	
143 (2)	VXL2300	TAKE UP LOADING ARM UNIT	1	
144 (2)	VXL2307	MAIN LEVER UNIT	1	
145 (2)	VXP1409	CENTRE CLUTCH	1	
B102 (2)	XTV26+8F	SCREW	2	
B103 (2)	XTV26+6F	SCREW	3	
B104 (2)	VHD0753	SCREW	3	
B105 (2)	VHD0754	SCREW	1	
B106 (2)	XSB26+4FZ	SCREW	1	
W101 (2)	VMX2208	WASHER	4	

2. CHASSIS PARTS SECTION (2)



3. CASING PARTS SECTION

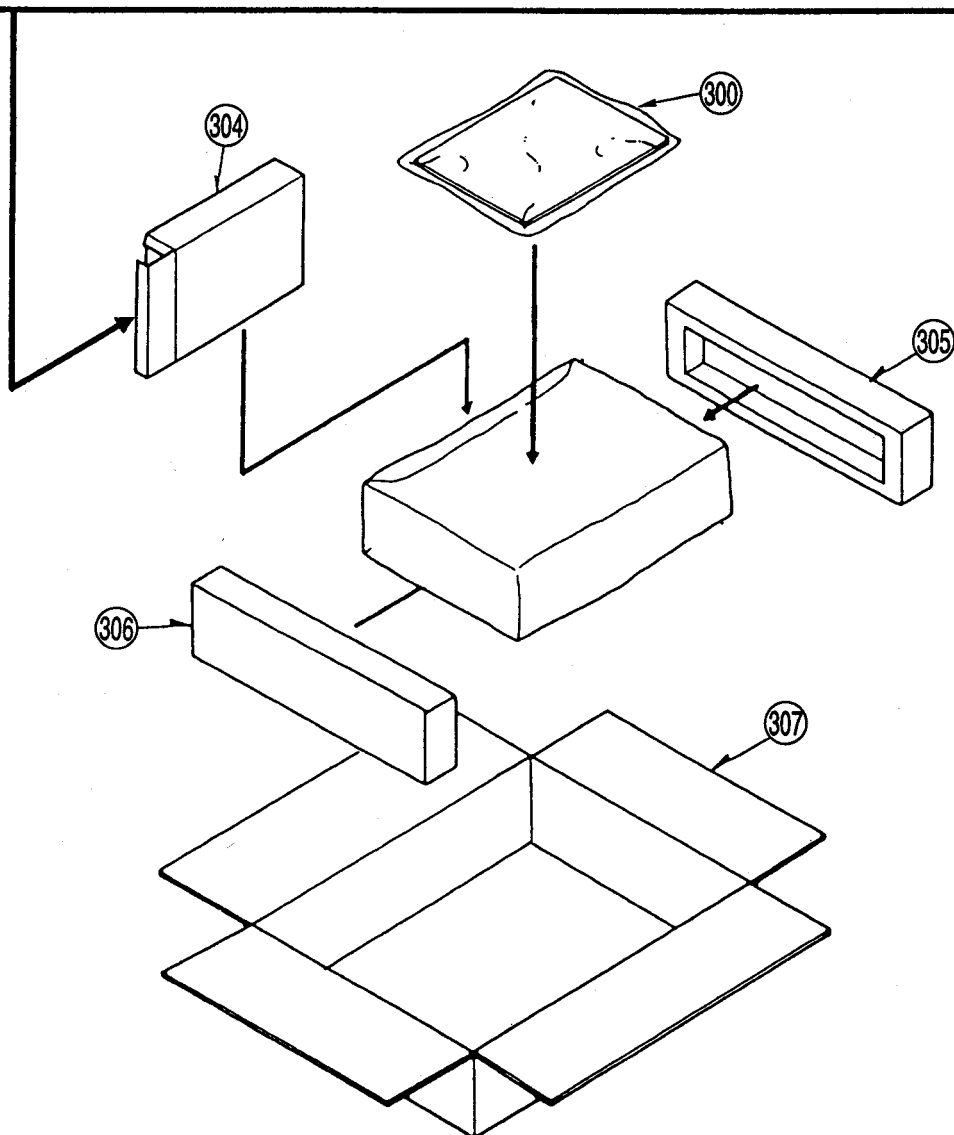
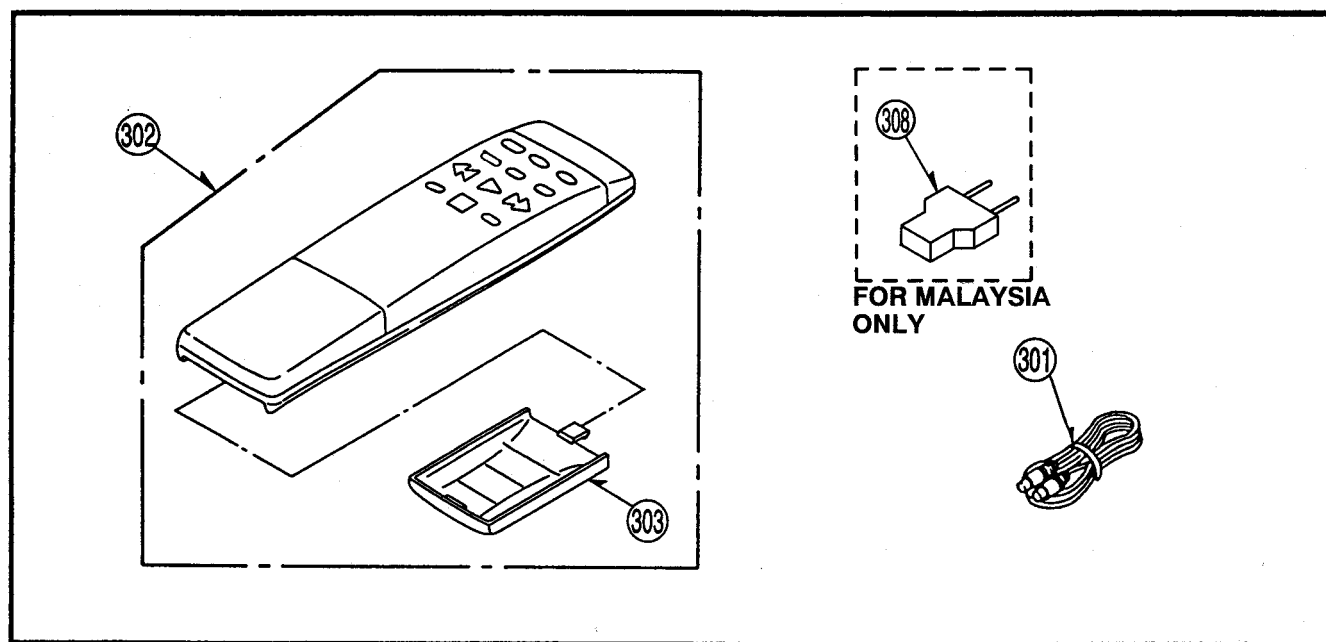


Note:1.* Be sure to make your orders of replacement parts according to this list.
 2.IMPORTANT SAFETY NOTICE
 Components identified with the mark <I> have the special characteristics for safety. When replacing any of these components,use only the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
200(3)	VGM1076	TOP PANEL	1	[SUPPLIED FROM MAV] NV-PO1M2AMN(D,DC) NV-PO1M2AMN Z NV-PO3RM2AMN(D,DC) NV-PO3RM2AMN Z NV-PO4RM2EEN(D,DC) NV-PO5REEN(D,DC) NV-PO5REEN Z NV-PO5REUN(D)
200(3)	VGM1112	TOP PANEL	1	[SUPPLIED FROM MAV] NV-PO3RM2AMN(DD,DE)
201(3)	VYP5569	FRONT PANEL UNIT	1	[SUPPLIED FROM MAV] NV-PO1M2AMN(D,DC) NV-PO1M2AMN Z
201(3)	VYP5570	FRONT PANEL UNIT	1	[SUPPLIED FROM MAV] NV-PO3RM2AMN(D,DC) NV-PO3RM2AMN Z
201(3)	VYP5730	FRONT PANEL UNIT	1	[SUPPLIED FROM MAV] NV-PO3RM2AMN(DD,DE)
201(3)	VYP5571	FRONT PANEL UNIT	1	[SUPPLIED FROM MAV] NV-PO4RM2EEN(D,DC)
201(3)	VYP5797	FRONT PANEL UNIT	1	[SUPPLIED FROM MAV] NV-PO5REEN(D,DC) NV-PO5REEN Z NV-PO5REUN(D)
202(3)	VGL0555	PANEL LIGHT	1	[SUPPLIED FROM MAV] NV-PO1M2AMN(D,DC) NV-PO1M2AMN Z
202(3)	VGL0556	PANEL LIGHT	1	[SUPPLIED FROM MAV] NV-PO3RM2AMN (D,DC,DE,DD) NV-PO3RM2AMN Z NV-PO4RM2EEN(D,DC) NV-PO5REEN(D,DC) NV-PO5REEN Z NV-PO5REUN(D)
203(3)	VGQ3464	KNOB SUPPORT	1	[SUPPLIED FROM MAV]
204(3)	VGU6583	SLIDE KNOB	2	[SUPPLIED FROM MAV] NV-PO1M2AMN(D,DC) NV-PO1M2AMN Z NV-PO3RM2AMN(D,DC) NV-PO3RM2AMN Z NV-PO4RM2EEN(D,DC) NV-PO5REEN(D,DC) NV-PO5REEN Z NV-PO5REUN(D)
204(3)	VGU6805	SLIDE KNOB	2	[SUPPLIED FROM MAV] NV-PO3RM2AMN(DD,DE)
205(3)	VGU6579	BUTTON	1	[SUPPLIED FROM MAV] NV-PO1M2AMN(D,DC) NV-PO1M2AMN Z
205(3)	VGU6580	BUTTON	1	[SUPPLIED FROM MAV] NV-PO3RM2AMN(D,DC) NV-PO3RM2AMN Z NV-PO4RM2EEN(D,DC) NV-PO5REEN(D,DC) NV-PO5REEN Z NV-PO5REUN(D)
205(3)	VGU6804	BUTTON	1	[SUPPLIED FROM MAV] NV-PO3RM2AMN(DD,DE)
206(3)	VKA0176	LEG	1	
207(3)	VKF2172	BLINDER PANEL	1	[SUPPLIED FROM MAV] NV-PO1M2AMN(D,DC) NV-PO1M2AMN Z
207(3)	VKF2173	BLINDER PANEL	1	[SUPPLIED FROM MAV] NV-PO3RM2AMN (D,DC,DD,DE) NV-PO3RM2AMN Z NV-PO4RM2EEN(D,DC)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
207(3)	VKF2314	BLINDER PANEL	1	[SUPPLIED FROM MAV] NV-PO5REEN(D,DC) NV-PO5REEN Z NV-PO5REUN(D)
208(3)	VMB2521	BLINDER SPRING	1	
209(3)	VKU0397	BOTTOM PLATE	1	[SUPPLIED FROM MAV]
210(3)	VJH0748	JACK BOARD	1	[SUPPLIED FROM MAV] NV-PO1M2AMN(D,DC) NV-PO1M2AMN Z
210(3)	VJH0749	JACK BOARD	1	[SUPPLIED FROM MAV] NV-PO3RM2AMN (D,DC,DD,DE) NV-PO3RM2AMN Z
210(3)	VJH0750	JACK BOARD	1	[SUPPLIED FROM MAV] NV-PO4RM2EEN(D,DC) NV-PO5REEN(D,DC) NV-PO5REEN Z NV-PO5REUN(D)
211(3)	VKA0122	FOOT	2	
212(3)	VMP4314	SIDE ANGLE (R)	1	
213(3)	VJF0139	AC CORD FIXTURE	1	
215(3)	VMP4320	TRANSFORMER ANGLE	1	[SUPPLIED FROM MAV]
216(3)	VMP4898	YC ANGLE	1	
217(3)	VEE9558	CONNECTOR	1	[SUPPLIED FROM MAV]
218(3)	VMP3821	SIDE ANGLE (F)	1	
B201-B202	XTW3+10TFZ	SCREW	2	NV-PO1M2AMN(D,DC) NV-PO1M2AMN Z NV-PO3RM2AMN(D,DC) NV-PO3RM2AMN Z NV-PO4RM2EEN(D,DC) NV-PO5REEN(D,DC) NV-PO5REEN Z NV-PO5REUN(D)
B201-B202	XTW3+10TFC	SCREW	2	NV-PO3RM2AMN(DD,DE)
B205	XTV3+12GR	SCREW	1	
B206-B208	XTV26+8FR	SCREW	3	
B209	XTV26+10F	SCREW	1	
B210	VHD0168	SCREW	1	
B211	VHD0773	SCREW	1	
B212-B215	VHD0772	SCREW	4	
B216-B217	VHD0059	SCREW	2	
B221	XTV3+12GR	SCREW	1	
B222-B225	VHD0168	SCREW	4	
B226	XTV3+6F	SCREW	1	
B227	VHD0773	SCREW	1	
B228-B229	XTV3+12JFZ	SCREW	2	
B230	XTV26+8G	SCREW	1	

4. PACKING PARTS SECTION



Note: 1. * Be sure to make your orders of replacement parts according to this list.

2. **IMPORTANT SAFETY NOTICE**

Components identified with the mark (!) have the special characteristics for safety. When replacing any of these components, use only the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
300(4)	VQT6383	OPERATING INSTRUCTIONS (ENGLISH,ARABIC)	1	[SUPPLIED FROM MAV] <1>NV-PO1M2AMN(D,DC) NV-PO1M2AMN 2
300(4)	VQT6384	OPERATING INSTRUCTIONS (ENGLISH,ARABIC)	1	[SUPPLIED FROM MAV] <1>NV-PO3RM2AMN (D,DC,DD,DE) NV-PO3RM2AMN 2
300(4)	VQT6385	OPERATING INSTRUCTIONS (ENGLISH,RUSSIAN,POLISH, ARABIC)	1	[SUPPLIED FROM MAV] <1> NV-PO4RM2EEN(D,DC)
300(4)	VQT6387	OPERATING INSTRUCTIONS (ENGLISH,RUSSIAN,ARABIC)	1	[SUPPLIED FROM MAV] <1>NV-PO5REEN(D,DC) NV-PO5REEN 2
300(4)	VQT6388	OPERATING INSTRUCTIONS (ENGLISH,RUSSIAN)	1	[SUPPLIED FROM MAV] <1>NV-PO5REUN(D) NV-PO5REUN(D)
301(4)	VJA0376	DIN RF CABLE	1	[SUPPLIED FROM MAV]
302(4)	EUR571101	REMOTE CONTROLLER	1	[SUPPLIED FROM MAV] NV-PO1M2AMN(D,DC) NV-PO1M2AMN 2
302(4)	EUR571100	REMOTE CONTROLLER	1	[SUPPLIED FROM MAV] NV-PO3RM2AMN (D,DC,DD,DE) NV-PO3RM2AMN 2 NV-PO4RM2EEN(D,DC) NV-PO5REEN(D,DC) NV-PO5REEN 2 NV-PO5REUN(D)
303(4)	UR57EC490	BATTERY COVER	1	[SUPPLIED FROM MAV]
304(4)	VPK1584	ACCESSORY BOX	1	[SUPPLIED FROM MAV]
305(4)	VPN4142	CUSHION (R)	1	[SUPPLIED FROM MAV]
306(4)	VPN4143	CUSHION (L)	1	[SUPPLIED FROM MAV]
307(4)	VPG7834	PACKING CASE	1	[SUPPLIED FROM MAV] NV-PO1M2AMN(D) NV-PO1M2AMN 2
307(4)	VPG7835	PACKING CASE	1	[SUPPLIED FROM MAV] NV-PO1M2AMN(DC) NV-PO3RM2AMN(D) NV-PO3RM2AMN 2
307(4)	VPG7836	PACKING CASE	1	[SUPPLIED FROM MAV] NV-PO3RM2AMN(DC,DE) NV-PO3RM2AMN(DD) NV-PO4RM2EEN(D) NV-PO4RM2EEN(DC) NV-PO5REEN(D,DC) NV-PO5REEN 2
307(4)	VPG7837	PACKING CASE	1	[SUPPLIED FROM MAV] NV-PO5REEN(DC) NV-PO5REEN 2
307(4)	VPG7840	PACKING CASE	1	[SUPPLIED FROM MAV] NV-PO5REEN(DC) NV-PO5REEN 2
307(4)	VPG7838	PACKING CASE	1	[SUPPLIED FROM MAV] NV-PO5REEN(DC) NV-PO5REEN 2
307(4)	VPG7839	PACKING CASE	1	[SUPPLIED FROM MAV] NV-PO5REEN(DC) NV-PO5REEN 2
307(4)	VPG7897	PACKING CASE	1	[SUPPLIED FROM MAV] NV-PO5REEN(DC) NV-PO5REEN 2
307(4)	VPG7928	PACKING CASE	1	[SUPPLIED FROM MAV] NV-PO5REEN(DC) NV-PO5REEN 2
308(4)	VJP2974	AC PLUG ADAPTOR	1	<1> NV-PO3RM2AMN(DC,DE) NV-PO4RM2EEN(DC) NV-PO5REEN(DC)
		SERVICE FIXTURES & TOOLS		
	VFJ8125H3F	VHS ALIGNMENT TAPE (PAL)	1	
	VFK0335	RETAINING RING REMOVER (3mm/4mm)	1	
	VFK0329	POST ADJUSTMENT SCREWDRIVER	1	
	VFK0326	HEX WRENCH SET	1	
	VFK0132	BACK TENSION METER	1	
	VFK27	HEAD CLEANING STICK	1	
	MOR265	MORLYTONE GREASE	1	
	VFK0341	UPPER CYLINDER REMOVER	1	
	VFK0680	WHITE GREASE	1	

[illegible]

4-2. ELECTRICAL REPLACEMENT PARTS LIST (NV-P01M2AMN)

Note:1.Be sure to make your orders of replacement parts according to this list.
 2.IMPORTANT SAFETY NOTICE : Components identified with the mark <I> have the special characteristics for safety. When replacing any of these components,use only the same type.
 3.Unless otherwise specified, All resistors are in OHMS , K=1,000 OHMS. All capacitors are in MICRO-FARADS(uf),P=uuF.
 4.The P.C.Board units marked width"■"show below the main assembled parts.
 5.The marking(RTL) indicates the retention time is limited for this item. After the discontinuation of this assembly in production, it will no longer be available.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	VEP03D40Q	MAIN C.B.A. (Page: 20)	1	[SUPPLIED FROM MAV] (RTL) INCLUDING THE LED C.B.A.(VEP00U10A), A/V PACK C.B.A. (VEP03C24A).
	VEP00U10A	LED C.B.A.	1	[SUPPLIED FROM MAV] (RTL) INCLUDED IN MAIN C.B.A.(VEP03D40Q).
	VEP03C24A	A/V PACK C.B.A.	1	[SUPPLIED FROM MAV] (RTL) INCLUDED IN MAIN C.B.A.(VEP03D40Q).
	VEP05228A	HEAD AMP C.B.A. (Page: 23)	1	[SUPPLIED FROM MAV] (RTL)
	VEP01660A	POWER C.B.A. (Page: 23)	1	[SUPPLIED FROM MAV] (RTL)<I>
	VEP02442A	POWER TRANSISTOR C.B.A. (Page: 23)	1	[SUPPLIED FROM MAV] (RTL)
	VEP00D18B	RT CONNECTION C.B.A. (Page: 23)	1	(RTL)
	-----	MOTOR C.B.A. (Page: 23)	1	C.B.A. IS INCLUDED IN LOADING MOTOR (1) UNIT (VEM0427).
CU7001	ENC47909	RF CONVERTER	1	[SUPPLIED FROM MAV] <I>
F1101	XBA2C05TBO	FUSE	1	<I>
F1102	XBA2C16TBO	FUSE	1	<I>
F1104	XBA2C10TBO	FUSE	1	<I>
	■ VEP03D40Q	MAIN C.B.A.		[SUPPLIED FROM MAV] (RTL)
C301	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C308	ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	
C309	ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C310	ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C311	ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C312	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C313	ECUM1H121JCN	C.CAPACITOR CH 50V 120P	1	
C314	ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C315	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C316	ECEA0JKA101	E.CAPACITOR 6.3V 100U	1	
C317	ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C319	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C320	ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C321	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C323	ECEA0JKS220	E.CAPACITOR 6.3V 22U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C325	ECUM1C474KBM	C.CAPACITOR CH 16V 0.47U	1	
C326	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C327	ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C328	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C329	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C330	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C331	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C332	ECUM1C474KBM	C.CAPACITOR CH 16V 0.47U	1	
C333	ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C334	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C339	ECUM1H821JCN	C.CAPACITOR CH 50V 820P	1	
C340	ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C342	ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C343	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C344	ECEA0JKS101	E.CAPACITOR 6.3V 100U	1	
C345	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C347	ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C348	ECEA0JKA220	E.CAPACITOR 6.3V 220U	1	
C349	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C350	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C351	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C352	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C353,54	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	2	
C355	ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U	1	
C356	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C357	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C358	ECEA0JKA221	E.CAPACITOR 6.3V 220U	1	
C359	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C361,62	ECEA1HKA010	E.CAPACITOR 50V 1U	2	
C363,64	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C365	ECUM1C474KBM	C.CAPACITOR CH 16V 0.47U	1	
C368	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C369	ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C370	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C371	ECUM1H472KBN	C.CAPACITOR CH 50V 4700P	1	
C372	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C373	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C374	ECEA0JKA101	E.CAPACITOR 6.3V 100U	1	
C375	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C376	ECEA0JKA101	E.CAPACITOR 6.3V 100U	1	
C377	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C378	ECKF1H103ZF	C.CAPACITOR 50V 0.01U	1	
C401	ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C402	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C403	ECEA0JKA220	E.CAPACITOR 6.3V 22U	1	
C404	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C405	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C407	ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C408	ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C411	ECUM1H153KBN	C.CAPACITOR CH 50V 0.015U	1	
C412	ECEA0JKA220	E.CAPACITOR 6.3V 220U	1	
C413	ECEA0JKA221	E.CAPACITOR 6.3V 220U	1	
C414	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C1001	ECEA1CGE331	E.CAPACITOR 16V 330U	1	
C1002,03	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C1004	ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C1010	ECEA1VGE470	E.CAPACITOR 35V 47U	1	
C2001	ECEA1CKA220	E.CAPACITOR 16V 22U	1	
C2002	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C2003	ECUM1H392KBN	C.CAPACITOR CH 50V 3900P	1	
C2004	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C2005	ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C2006	ECUM1H472KBN	C.CAPACITOR CH 50V 4700P	1	
C2008	ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C2009,10	ECEA1ESN3R3	E.CAPACITOR 25V 3.3U	2	
C2011	ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C2012	ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	1	
C2013	ECEA1AKS221	E.CAPACITOR 10V 220U	1	
C2014	ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C2015	ECEA1HKS3R3	E.CAPACITOR 50V 3.3U	1	
C2018	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C2019	ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U	1	
C2020	ECUM1H392KBN	C.CAPACITOR CH 50V 3900P	1	
C2021	ECEA1HKA4R7	E.CAPACITOR 50V 4.7U	1	
C2022	ECA0JM221	E.CAPACITOR 6.3V 220U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C2023	ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	1	
C2024	ECQV1H683JM	P.CAPACITOR 50V 0.068U	1	
C2501	ECEA1CKG100	E.CAPACITOR 16V 10U	1	
C2502	ECQV1H104JM	P.CAPACITOR 50V 0.1U	1	
C2503-05	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	3	
C2506	ECQV1H104JM	P.CAPACITOR 50V 0.1U	1	
C2507-09	ECEA1EKN4R7	E.CAPACITOR 25V 4.7U	3	
C2510	ECUM1H4732FN	C.CAPACITOR CH 50V 0.047U	1	
C2511	ECEAOJUG101	E.CAPACITOR 6.3V 100U	1	
C2512	ECEA1HKGR47	E.CAPACITOR 50V 0.47U	1	
C2701	ECEA1CKA330	E.CAPACITOR 16V 33U	1	
C2702	ECQV1H683JM	P.CAPACITOR 50V 0.068U	1	
C2703,04	ECUM1E333KBN	C.CAPACITOR CH 25V 0.033U	2	
C2705	ECA1VM470	E.CAPACITOR 35V 47U	1	
C2706	ECAOJM221	E.CAPACITOR 6.3V 220U	1	
C2707	ECEA1HKAR22	E.CAPACITOR 50V 0.22U	1	
C2708	ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	1	
C2709	ECA1VM470	E.CAPACITOR 35V 47U	1	
C2710-13	ECUM1E333KBN	C.CAPACITOR CH 25V 0.033U	4	
C2714-16	ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	3	
C2719	ECUM1C105ZFM	C.CAPACITOR CH 16V 1U	1	
C2721	ECEA1HKNR47	E.CAPACITOR 50V 0.47U	1	
C2724	ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C2725	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C3002	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C3003	ECEAOJGE471	E.CAPACITOR 6.3V 470U	1	
C3004	ECUM1C105ZFM	C.CAPACITOR CH 16V 1U	1	
C3005	ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C3007	ECAOJM471	E.CAPACITOR 6.3V 470U	1	
C3011	ECEA1CKG330	E.CAPACITOR 16V 33U	1	[SUPPLIED FROM MAV]
C3015	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3102	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C3103	ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C6002	ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C6003	ECUM1H120JCN	C.CAPACITOR CH 50V 12P	1	
C6004	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6009	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C6502	ECUM1C224ZFN	C.CAPACITOR CH 16V 0.22U	1	
C6712	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C7505	ECEAOJKA470	E.CAPACITOR 6.3V 47U	1	
C75001	ENCA7909	RF CONVERTER	1	[SUPPLIED FROM MAV]
				<1>
D301	1SS283	DIODE	1	
D302-08	1SS254	DIODE	7	
D1501	LN59L.VT	LED	1	
D6002	1SS254	DIODE	1	
D6004,05	1SS254	DIODE	2	
D6505	MA4068H	DIODE	1	
D7501-03	MPG3378S184K	DIODE	3	[SUPPLIED FROM MAV]
D7510,11	MPR3378S184K	DIODE	2	[SUPPLIED FROM MAV]
IC301	AN3500FBP	IC	1	
IC302	TL8850P	IC	1	
IC1001	BA178M9YT	IC	1	[SUPPLIED FROM MAV]
IC1501,02	QV1387	PHOTO INTERRUPTER	2	
IC2501	NA3814K	IC	1	
IC2701	BA6871BS	IC	1	
IC3001	HA17431PA	IC	1	
IC6001	MN67434VRSY	IC	1	
IC6501	XRA6887-V3	IC	1	
IC6502	AN1358S	IC	1	
IC7502	PST591B	IC	1	
IR7501	RPM-675CBRS	IR RECEIVER UNIT	1	[SUPPLIED FROM MAV]
JK3001	VEJ1387	INPUT/OUTPUT JACK	1	[SUPPLIED FROM MAV]
K302,03	ERJ6GM20R00	M.RESISTOR CH 1/10W 0	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R308	ERJ6GMYG332	M.RESISTOR CH 1/10W 3.3K	1	
R309	ERJ6GMYG121	M.RESISTOR CH 1/10W 120	1	
R310	ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R311	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R312	ERJ6GMYG332	M.RESISTOR CH 1/10W 3.3K	1	
R314	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R315	ERJ6GMYJ151	M.RESISTOR CH 1/10W 150	1	
R316	ERJ6GMYJ391	M.RESISTOR CH 1/10W 390	1	
R317	ERJ6GEYJ683	M.RESISTOR CH 1/10W 68K	1	
R318	ERJ6GEYJ823	M.RESISTOR CH 1/10W 82K	1	
R319	ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R320	ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K	1	
R321	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R322	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R324	ERJ6GMYG102	M.RESISTOR CH 1/10W 1K	1	
R325	ERJ6GMZOR00	M.RESISTOR CH 1/10W 0	1	
R330	ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R331	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R332,33	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R334	ERJ6GEYK125	M.RESISTOR CH 1/10W 1.2M	1	
R335	ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R336	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R337	ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R338	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R339	ERJ6GMYG271	M.RESISTOR CH 1/10W 270	1	
R340	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R341	ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R342	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R344	ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R345	ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	1	
R346	ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R347	ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R348	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	
R349	ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R350,51	ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	2	
R352	ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R401	ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R402	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R403	ERJ6GMYJ474	M.RESISTOR CH 1/10W 470K	1	
R404	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R408	ERJ6GMYJ271	M.RESISTOR CH 1/10W 270	1	
R409	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R410	ERJ6GMYK225	M.RESISTOR CH 1/10W 2.2M	1	
R415	ERJ6GMYJ100	M.RESISTOR CH 1/10W 10	1	
R416	ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R417	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R418	ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R419	ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R1002	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2003	ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	1	
R2009,10	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	2	
R2013	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R2015,16	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	2	
R2018	ERJ6GMYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R2021	ERJ6GMYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R2036	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R2047	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2501	ERDS2TJ152	C.RESISTOR 1/4W 1.2K	1	
R2502	ERDS2FJ1R5	C.RESISTOR 1/4W 1.5	1	
R2503-05	ERDS2TJ150	C.RESISTOR 1/4W 15	3	
R2506	ERDS2FJ1R2	C.RESISTOR 1/4W 1.2	1	
R2507	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R2508	ERJ6GMZOR00	M.RESISTOR CH 1/10W 0	1	
R2701	ERJ6GMYJ684	M.RESISTOR CH 1/10W 680K	1	
R2702	ERJ6GMYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R2703	ERJ6GMYG133	M.RESISTOR CH 1/10W 13K	1	
R2704	ERJ6GMYG103	M.RESISTOR CH 1/10W 10K	1	
R2705	ERJ6GMYG473	M.RESISTOR CH 1/10W 47K	1	
R2706	EROS2CKG4301	M.RESISTOR 1/4W 4.3K	1	
R2707	ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R2708	ERDS2TJ122	C.RESISTOR 1/4W 1.2K	1	
R2709-11	ERDS2TJ560	C.RESISTOR 1/4W 56	3	
R2712	ERX12SJR47	M.RESISTOR 1/2W 0.47	1	
R2713	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R2714	ERJ6GMYG681	M.RESISTOR CH 1/10W 680	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R2715	ERDS2TJ122	C.RESISTOR 1/4W 1.2K	1	
R2716	ERJ6GMYJ105	M.RESISTOR CH 1/10W 1M	1	
R2717	ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R2718	ERJ6GMYG821	M.RESISTOR CH 1/10W 820	1	
R2719	ERJ6GMYJ105	M.RESISTOR CH 1/10W 1M	1	
R2720	ERJ6GMYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R2721	ERDS2TJ472	C.RESISTOR 1/4W 4.7K	1	
R2723	ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R2724	ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3005	ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R3013	ERDS2TJ122	C.RESISTOR 1/4W 1.2K	1	
R3014	VRE0034E38B	M.RESISTOR CH 1/10W	1	
R3015	VRE0034E222	M.RESISTOR CH 1/10W 2.2K	1	
R3021	ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	
R3022	ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R3102	ERJ6GMYJ750	M.RESISTOR CH 1/10W 75	1	
R3103	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R4040	ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R4062	ERJ6GMZOR00	M.RESISTOR CH 1/10W 0	1	
R6008	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R6009	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R6010	ERJ6GMZOR00	M.RESISTOR CH 1/10W 0	1	
R6014	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R6015	ERJ6GMYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R6021	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R6022,23	ERJ6GMZOR00	M.RESISTOR CH 1/10W 0	2	
R6024	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	
R6029,30	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	2	
R6032	ERJ6GMYJ391	M.RESISTOR CH 1/10W 390	1	
R6033	ERDS2TJ473	C.RESISTOR 1/4W 47K	1	
R6038	ERDS2TJ333	C.RESISTOR 1/4W 33K	1	
R6039-41	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	3	
R6042,43	ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	2	
R6044	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R6045	ERJ6GMYG223	M.RESISTOR CH 1/10W 22K	1	
R6046,47	ERJ6GMYJ683	M.RESISTOR CH 1/10W 68K	2	
R6048	ERJ6GMYG223	M.RESISTOR CH 1/10W 22K	1	
R6049	ERJ6GMYJ271	M.RESISTOR CH 1/10W 270	1	
R6052	ERJ6GMYG201	M.RESISTOR CH 1/10W 200	1	
R6054,55	ERDS2TJ473	C.RESISTOR 1/4W 47K	2	
R6056	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R6501	ERX1SJ1R8	M.RESISTOR 1W 1.8	1	
R6502	ERJ6GMYG822	M.RESISTOR CH 1/10W 8.2K	1	
R6504	ERJ6GMYG182	M.RESISTOR CH 1/10W 1.8K	1	
R6505	ERJ6GMYG512	M.RESISTOR CH 1/10W 5.1K	1	
R6506	ERJ6GMYG913	M.RESISTOR CH 1/10W 91K	1	
R6507	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R7503-05	ERJ6GMYJ271	M.RESISTOR CH 1/10W 270	3	
R7514,15	ERJ6GMYJ271	M.RESISTOR CH 1/10W 270	2	
R7516	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R7517	ERDS2TJ470	C.RESISTOR 1/4W 47	1	
R7518	ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R7520	ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
S7503	EVQ11407K	SWITCH	1	
S7506-10	EVQ11407K	SWITCH	5	
SW7501,02	VSS0373	SWITCH	2	[SUPPLIED FROM MAV]
VR2001	EVNCA03B54	V.RESISTOR 50K	1	
X301	VSX0162	CRYSTAL OSCILLATOR	1	
X6001	VSX0437	CRYSTAL OSCILLATOR	1	
ZA3001	VSC4380	RADIATION PLATE	1	[SUPPLIED FROM MAV]
		MISCELLANEOUS		
	VMD1926	LED HOLDER	1	FOR D1501
	VMD1927	PHOTO TRANSISTOR HOLDER	2	FOR Q1501,02

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	VMD2029	REEL GUIDE	1	
	VJH0748	JACK BOARD	1	[SUPPLIED FROM MAV]
	VWJ0891	FLAT CARD CABLE	1	(P2701-P1507)
	VEE9558	WIRE CABLE	1	[SUPPLIED FROM MAV]
				(P1102-RF CONV.)
	VEE9557	WIRE CABLE	1	[SUPPLIED FROM MAV]
				(P2702-P1506)
	VEE9121	WIRE CABLE	1	(P2501-P202)
	XTV3+12JFZ	SCREW	1	
	XTV3+6F	SCREW	1	
	VMD2102	LED SPACER	1	[SUPPLIED FROM MAV]
				FOR LED C.B.A.
	VWJ1076	FLAT CARD CABLE	1	[SUPPLIED FROM MAV]
				(P301-P501)
				FOR A/V PACK C.B.A.
	■ VEPO5228A	HEAD AMP C.B.A.		[SUPPLIED FROM MAV]
				(RTL)
C501,02	ECUM1H1042FN	C.CAPACITOR CH 50V 0.1U	2	
C504	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	1	
C505	ECEAOJKA470	E.CAPACITOR 6.3V 47U	1	
C506	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	1	
IC501	AN3375S	IC	1	
L501	VLQ0599J101	COIL 100UH	1	
P501	VJS2331	CONNECTOR (FEMALE)	1	
P502	VJS3069	CONNECTOR (FEMALE)	1	
R501	ERJ6GMJ183	M.RESISTOR CH 1/10W 18K	1	
R502	ERJ6GMJ513	M.RESISTOR CH 1/10W 51K	1	
R503	ERJ6GMJ243	M.RESISTOR CH 1/10W 24K	1	
R506,07	ERJ6GMJ221	M.RESISTOR CH 1/10W 220	2	
R508	ERJ6GMJ101	M.RESISTOR CH 1/10W 100	1	
ZA501	VSC4208	SHIELD COVER	1	
ZA502	VSC4209	SHIELD COVER	1	
	■ VEPO1660A	POWER C.B.A.		[SUPPLIED FROM MAV]
				(RTL) <1>
C1101	ECEA1VGE222	E.CAPACITOR 35V 2200U	1	
C1102	ECEA1CGE472	E.CAPACITOR 16V 4700U	1	
C1103	ECKF1H1032F	C.CAPACITOR 50V 0.01U	1	
C1105-07	ECKF1H1032F	C.CAPACITOR 50V 0.01U	3	
C1112	ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C1117	ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C1121	ECKF1H1032F	C.CAPACITOR 50V 0.01U	1	
D1101-07	ERA15-01	DIODE	7	
D1109-12	ERA15-01	DIODE	4	
D1120	ER2TC4AK221	DIODE	1	[SUPPLIED FROM MAV]
				<1>
F1101	XBA2C05TB0	FUSE	1	<1>
F1102	XBA2C16TB0	FUSE	1	<1>
F1104	XBA2C10TB0	FUSE	1	<1>
IC1101	BA17812T	IC	1	[SUPPLIED FROM MAV]
IC1102	BA17805T	IC	1	[SUPPLIED FROM MAV]
JK1101	VJA0832	AC CORD	1	[SUPPLIED FROM MAV]
				<1>

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
P1101	VJP3553FO08	CONNECTOR (MALE) 8P	1	[SUPPLIED FROM MAV]
P1102	VJP1148	CONNECTOR (MALE) 2P	1	
R1101,02	ERDS1TJ102	C.RESISTOR 1/2W 1K	2	
S1101	VSR0218	SWITCH	1	[SUPPLIED FROM MAV]
				<1>
T1101	VTPO484	TRANSFORMER	1	[SUPPLIED FROM MAV]
				<1>
ZA1101-06	EYF52BC	FUSE HOLDER	6	<1>
ZA1107	VSC4476	HEAT SINK	1	[SUPPLIED FROM MAV]
	■ VEPO2442A	POWER TRANSISTOR C.B.A.		[SUPPLIED FROM MAV]
				(RTL)
P1506	VJP1230T	CONNECTOR (MALE) 3P	1	
Q1503	2SB1565F46	TRANSISTOR	1	[SUPPLIED FROM MAV]
	■ VEPOD18B	RT CONNECTION C.B.A.		(RTL)
		MISCELLANEOUS		
	VJP3069	CONNECTOR (MALE) 8P	1	
	■ -----	MOTOR C.B.A.		
		MISCELLANEOUS		
	VJP3316B002	CONNECTOR (MALE) 2P	1	

4-3. ELECTRICAL REPLACEMENT PARTS LIST (NV-P03RM2AMN)

Note:1.Be sure to make your orders of replacement parts according to this list.
2.IMPORTANT SAFETY NOTICE : Components identified with the mark <I> have the special characteristics for safety. When replacing any of these components,use only the same type.
3.Unless otherwise specified,
All resistors are in OHMS , K=1,000 OHMS. All capacitors are in MICRO-FARADS(uf),P=uF.
4.The P.C.Board units marked with'■'show below the main assembled parts.
5.The marking(RTL) indicates the retention time is limited for this item.
After the discontinuation of this assembly in production, it will no longer be available.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	VEP03D40L	MAIN C.B.A. (Page : 24)	1	[SUPPLIED FROM MAV] (RTL) INCLUDING THE LED C.B.A. (VEP00U10B) , A/V PACK C.B.A. (VEP03C24F) .
	VEP00U10B	LED C.B.A.	1	[SUPPLIED FROM MAV] (RTL) INCLUDED IN MAIN C.B.A. (VEP03D40L) .
	VEP03C24F	A/V PACK C.B.A.	1	[SUPPLIED FROM MAV] (RTL) INCLUDED IN MAIN C.B.A. (VEP03D40L) .
	VEP05228B	HEAD AMP C.B.A. (Page : 27)	1	[SUPPLIED FROM MAV] (RTL)
	VEP0166QA	POWER C.B.A. (Page : 27)	1	[SUPPLIED FROM MAV] (RTL) <I>
	VEP02442A	POWER TRANSISTOR C.B.A. (Page : 27)	1	[SUPPLIED FROM MAV] (RTL)
	VEPOOD18B	RT CONNECTION C.B.A. (Page : 27)	1	(RTL)
	-----	MOTOR C.B.A. (Page : 28)	1	C.B.A. IS INCLUDED IN LOADING MOTOR (1) UNIT (VEMD427) .
CU7001	ENC47909	RF CONVERTER	1	[SUPPLIED FROM MAV] <I>
F1101	XBA2C05TBO	FUSE	1	<I>
F1102	XBA2C16TBO	FUSE	1	<I>
F1104	XBA2C10TBO	FUSE	1	<I>
	■ VEP03D40L	MAIN C.B.A.		[SUPPLIED FROM MAV] (RTL)
C301	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	1	
C308	ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	
C309	ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C310	ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C311	ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C312	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	1	
C313	ECUM1H121JCN	C.CAPACITOR CH 50V 120P	1	
C314	ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C315	ECUM1H1042FN	C.CAPACITOR CH 50V 0.1U	1	
C316	ECEAOJKA101	E.CAPACITOR 6.3V 100U	1	
C317	ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C319	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C320	ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C321, 22	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	2	
C323	ECEAOJKS220	E.CAPACITOR 6.3V 22U	1	
Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C324	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	1	
C325	ECUM1C474KBM	C.CAPACITOR CH 16V 0.47U	1	
C326	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C327	ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C328	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	1	
C329	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C330	ECUM1C1052FN	C.CAPACITOR CH 16V 1U	1	
C331	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C332	ECUM1C474KBM	C.CAPACITOR CH 16V 0.47U	1	
C333	ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C334	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C336	ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C337	ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C338	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C339	ECUM1H821JCN	C.CAPACITOR CH 50V 820P	1	
C340	ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C342	ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C343	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	1	
C344	ECEAOJKS101	E.CAPACITOR 6.3V 100U	1	
C345	ECUM1H1042FN	C.CAPACITOR CH 50V 0.1U	1	
C346	ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	1	
C347	ECEAOJKA470	E.CAPACITOR 6.3V 47U	1	
C348	ECEAOJKA220	E.CAPACITOR 6.3V 220U	1	
C349	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C350	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	1	
C351	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C352	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	1	
C353, 54	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	2	
C355	ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U	1	
C356	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C357	ECUM1H1042FN	C.CAPACITOR CH 50V 0.1U	1	
C358	ECEAOJKA221	E.CAPACITOR 6.3V 220U	1	
C359	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	1	
C361, 62	ECEA1HKA010	E.CAPACITOR 50V 1U	2	
C363, 64	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	2	
C365	ECUM1C474KBM	C.CAPACITOR CH 16V 0.47U	1	
C368	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C369	ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C370	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C371	ECUM1H472KBN	C.CAPACITOR CH 50V 4700P	1	
C372	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C373	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	1	
C374	ECEAOJKA101	E.CAPACITOR 6.3V 100U	1	
C375	ECUM1H1042FN	C.CAPACITOR CH 50V 0.1U	1	
C376	ECEAOJKA101	E.CAPACITOR 6.3V 100U	1	
C377	ECUM1H1042FN	C.CAPACITOR CH 50V 0.1U	1	
C378	ECKF1H1032F	C.CAPACITOR 50V 0.01U	1	
C401	ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C402	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C403	ECEAOJKA220	E.CAPACITOR 6.3V 22U	1	
C404	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C405	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C406	ECEA1HKA4R7	E.CAPACITOR 50V 4.7U	1	
C407	ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C408	ECEAOJKA470	E.CAPACITOR 6.3V 47U	1	
C409	ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C411	ECUM1H153KBN	C.CAPACITOR CH 50V 0.015U	1	
C412	ECEAOJKA220	E.CAPACITOR 6.3V 220U	1	
C413	ECEAOJKA221	E.CAPACITOR 6.3V 220U	1	
C414	ECUM1H1042FN	C.CAPACITOR CH 50V 0.1U	1	
C418	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C1001	ECEA1CGE331	E.CAPACITOR 16V 330U	1	
C1002, 03	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	2	
C1004	ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C1010	ECEA1VGE470	E.CAPACITOR 35V 47U	1	
C2001	ECEA1CKA220	E.CAPACITOR 16V 22U	1	
C2002	ECUM1H1042FN	C.CAPACITOR CH 50V 0.1U	1	
C2003	ECUM1H392KBN	C.CAPACITOR CH 50V 3900P	1	
C2004	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C2005	ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C2006	ECUM1H472KBN	C.CAPACITOR CH 50V 4700P	1	
C2008	ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C2009, 10	ECEA1ESN3R3	E.CAPACITOR 25V 3.3U	2	
C2011	ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C2012	ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C2013	ECEA1AKS221	E. CAPACITOR 10V 220U	1	
C2014	ECEA1CKS100	E. CAPACITOR 16V 10U	1	
C2015	ECEA1HKS3R3	E. CAPACITOR 50V 3.3U	1	
C2018	ECUM1H1042FN	C. CAPACITOR CH 50V 0.1U	1	
C2019	ECUM1H223KBN	C. CAPACITOR CH 50V 0.022U	1	
C2020	ECUM1H392KBN	C. CAPACITOR CH 50V 3900P	1	
C2021	ECEA1HKA4R7	E. CAPACITOR 50V 4.7U	1	
C2022	ECAQJM221	E. CAPACITOR 6.3V 220U	1	
C2023	ECUM1H222KBN	C. CAPACITOR CH 50V 2200P	1	
C2024	ECQV1H683JM	P. CAPACITOR 50V 0.068U	1	
C2501	ECEA1CKG100	E. CAPACITOR 16V 10U	1	
C2502	ECQV1H104JM	P. CAPACITOR 50V 0.1U	1	
C2503-05	ECUM1E104KBN	C. CAPACITOR CH 25V 0.1U	3	
C2506	ECQV1H104JM	P. CAPACITOR 50V 0.1U	1	
C2507-09	ECEA1EKN4R7	E. CAPACITOR 25V 4.7U	3	
C2510	ECUM1H4732FN	C. CAPACITOR CH 50V 0.047U	1	
C2511	ECEAOJG101	E. CAPACITOR 6.3V 100U	1	
C2512	ECEA1HKGR47	E. CAPACITOR 50V 0.47U	1	
C2701	ECEA1CKA330	E. CAPACITOR 16V 33U	1	
C2702	ECQV1H683JM	P. CAPACITOR 50V 0.068U	1	
C2703, 04	ECUMLE333KBN	C. CAPACITOR CH 25V 0.033U	2	
C2705	ECA1VM470	E. CAPACITOR 35V 47U	1	
C2706	ECAOJM221	E. CAPACITOR 6.3V 220U	1	
C2707	ECEA1HKAR22	E. CAPACITOR 50V 0.22U	1	
C2708	ECEA1EKAR7	E. CAPACITOR 25V 4.7U	1	
C2709	ECA1VM470	E. CAPACITOR 35V 47U	1	
C2710-13	ECUMLE333KBN	C. CAPACITOR CH 25V 0.033U	4	
C2714-16	ECEA1HKA2R2	E. CAPACITOR 50V 2.2U	3	
C2719	ECUM1C1052FM	C. CAPACITOR CH 16V 1U	1	
C2721	ECEA1HKNR47	E. CAPACITOR 50V 0.47U	1	
C2724	ECUM1H680JCN	C. CAPACITOR CH 50V 68P	1	
C2725	ECUM1H1042FN	C. CAPACITOR CH 50V 0.1U	1	
C3002	ECUM1H1042FN	C. CAPACITOR CH 50V 0.1U	1	
C3003	ECEAOJGE471	E. CAPACITOR 6.3V 470U	1	
C3004	ECUM1C1052FM	C. CAPACITOR CH 16V 1U	1	
C3005	ECEA1CKA470	E. CAPACITOR 16V 47U	1	
C3007	ECAOJM471	E. CAPACITOR 6.3V 470U	1	
C3011	ECEA1CKG330	E. CAPACITOR 16V 33U	1	[SUPPLIED FROM MAV]
C3015	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C3102	ECUM1H1042FN	C. CAPACITOR CH 50V 0.1U	1	
C3103	ECUM1H680JCN	C. CAPACITOR CH 50V 68P	1	
C4012	ECQB1H102KZ	P. CAPACITOR 50V 1000P	1	
C4013	ECEA1CU330	E. CAPACITOR 16V 33U	1	
C4014	ECQB1332JF	P. CAPACITOR 100V 3300P	1	[SUPPLIED FROM MAV]
C4015	ECDD2H181J	C. CAPACITOR 500V 180P	1	
C4016	ECQB1H153JZ	P. CAPACITOR 50V 0.015U	1	
C6002	ECUM1H100DCN	C. CAPACITOR CH 50V 10P	1	
C6003	ECUM1H120JCN	C. CAPACITOR CH 50V 12P	1	
C6004	ECUM1H103ZFN	C. CAPACITOR CH 50V 0.01U	1	
C6009	ECUM1H1042FN	C. CAPACITOR CH 50V 0.1U	1	
C6502	ECUM1C2242FN	C. CAPACITOR CH 16V 0.22U	1	
C6712	ECUM1H102KBN	C. CAPACITOR CH 50V 1000P	1	
C7505	ECEAOJKA470	E. CAPACITOR 6.3V 47U	1	
CU7001	ENC47909	RF CONVERTER	1	[SUPPLIED FROM MAV]
			<1>	
D301	1SS283	DIODE	1	
D302-08	1SS254	DIODE	7	
D1501	LN59L.VT	LED	1	
D4001	MA4027-L	DIODE	1	
D6002	1SS254	DIODE	1	
D6004-06	1SS254	DIODE	3	
D6505	MA4068H	DIODE	1	
D7501-03	MFG3378S184K	DIODE	3	[SUPPLIED FROM MAV]
D7504	MFR3378S184K	DIODE	1	[SUPPLIED FROM MAV]
D7510, 11	MFR3378S184K	DIODE	2	[SUPPLIED FROM MAV]
IC301	AN350OFBP	IC	1	
IC302	TL8850P	IC	1	
IC401	BA7755AF	IC	1	
IC1001	BA178MO9T	IC	1	[SUPPLIED FROM MAV]
IC1501, 02	ON1387	PHOTO INTERRUPTER	2	
IC2501	NA3814K	IC	1	
IC2701	BA6871BS	IC	1	
IC3001	HA17431FA	IC	1	
IC6001	MN67434VRSY	IC	1	
IC6501	XRA6887-V3	IC	1	
IC6502	AN1358S	IC	1	
IC7502	PST591B	IC	1	
IR7501	RPM-675CBRS	IR RECEIVER UNIT	1	[SUPPLIED FROM MAV]

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q4001	2SD602A-R	TRANSISTOR	1	
Q6002	MSB710	TRANSISTOR	1	
QR402	UN2115	TRANSISTOR-RESISTOR	1	
QR1001	MUN2212	TRANSISTOR	1	
QR1003	MUN2213	TRANSISTOR-RESISTOR	1	
QR1004	UN211H	TRANSISTOR-RESISTOR	1	
QR1006	MUN2211	TRANSISTOR-RESISTOR	1	
QR2001	MUN2112	TRANSISTOR-RESISTOR	1	
QR3001	MUN2113	TRANSISTOR-RESISTOR	1	
QR3004	MUN2211	TRANSISTOR-RESISTOR	1	
QR6001	UN211H	TRANSISTOR-RESISTOR	1	
QR6006	MUN2213	TRANSISTOR-RESISTOR	1	
QR6007-10	MUN2111	TRANSISTOR-RESISTOR	4	
QR6501	XN1211	TRANSISTOR-RESISTOR	1	
QR7501	MUN2111	TRANSISTOR-RESISTOR	1	
QR7502	UN2117	TRANSISTOR-RESISTOR	1	
QR7503	MUN2113	TRANSISTOR-RESISTOR	1	
R301	ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	1	
R302	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R308	ERJ6GMYG332	M.RESISTOR CH 1/10W 3.3K	1	
R309	ERJ6GMYG121	M.RESISTOR CH 1/10W 120	1	
R310	ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R311	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R312	ERJ6GMYG332	M.RESISTOR CH 1/10W 3.3K	1	
R314	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R315	ERJ6GMYJ151	M.RESISTOR CH 1/10W 150	1	
R316	ERJ6GMYJ391	M.RESISTOR CH 1/10W 390	1	
R317	ERJ6GEYJ683	M.RESISTOR CH 1/10W 68K	1	
R318	ERJ6GEYJ823	M.RESISTOR CH 1/10W 82K	1	
R319	ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R320	ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K	1	
R321	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R322	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R323	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R324	ERJ6GMYG102	M.RESISTOR CH 1/10W 1K	1	
R325	ERJ6GMZOR00	M.RESISTOR CH 1/10W 0	1	
R326,27	ERJ6GMYG102	M.RESISTOR CH 1/10W 1K	2	
R328	ERJ6GMYG222	M.RESISTOR CH 1/10W 2.2K	1	
R329	ERJ6GMYG681	M.RESISTOR CH 1/10W 680	1	
R330	ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R331	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R332,33	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R334	ERJ6GEYK125	M.RESISTOR CH 1/10W 1.2M	1	
R335	ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R336	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R337	ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R338	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R339	ERJ6GMYG271	M.RESISTOR CH 1/10W 270	1	
R340	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R341	ERJ6GMYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R342	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R344	ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R345	ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	1	
R346	ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R347	ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R348	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	
R349	ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R351	ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R352	ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R401	ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	
R402	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R403	ERJ6GMYJ474	M.RESISTOR CH 1/10W 470K	1	
R404	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R405	ERJ6GMYJ153	M.RESISTOR CH 1/10W 15K	1	
R408	ERJ6GMYJ271	M.RESISTOR CH 1/10W 270	1	
R409	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R410	ERJ6GMYK225	M.RESISTOR CH 1/10W 2.2M	1	
R411	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R412	ERJ6GMYJ563	M.RESISTOR CH 1/10W 56K	1	
R413	ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	
R414	ERJ6GMYJ822	M.RESISTOR CH 1/10W 8.2K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R415	ERJ6GMYJ100	M.RESISTOR CH 1/10W 10	1	
R416	ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R417	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R418	ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R419	ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R1002	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2003	ERJ6GMYJ104	M.RESISTOR CH 1/10W 100K	1	
R2009,10	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	2	
R2013	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	
R2015,16	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	2	
R2018	ERJ6GMYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R2021	ERJ6GMYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R2036	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R2047	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R2501	ERDS2TJ122	C.RESISTOR 1/4W 1.2K	1	
R2502	ERDS2FJ1R5	C.RESISTOR 1/4W 1.5	1	
R2503-05	ERDS2TJ150	C.RESISTOR 1/4W 15	3	
R2506	ERDS2FJ1R2	C.RESISTOR 1/4W 1.2	1	
R2507	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R2508	ERJ6GMZOR00	M.RESISTOR CH 1/10W 0	1	
R2701	ERJ6GMYJ684	M.RESISTOR CH 1/10W 680K	1	
R2702	ERJ6GMYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R2703	ERJ6GMYG133	M.RESISTOR CH 1/10W 13K	1	
R2704	ERJ6GMYG103	M.RESISTOR CH 1/10W 10K	1	
R2705	ERJ6GMYG473	M.RESISTOR CH 1/10W 47K	1	
R2706	EROS2CKG4301	M.RESISTOR 1/4W 4.3K	1	
R2707	ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R2708	ERDS2TJ122	C.RESISTOR 1/4W 1.2K	1	
R2709-11	ERDS2TJ560	C.RESISTOR 1/4W 56	3	
R2712	ERX12SJR47	M.RESISTOR 1/2W 0.47	1	
R2713	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R2714	ERJ6GMYG681	M.RESISTOR CH 1/10W 680	1	
R2715	ERDS2TJ122	C.RESISTOR 1/4W 1.2K	1	
R2716	ERJ6GMYJ105	M.RESISTOR CH 1/10W 1M	1	
R2717	ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R2718	ERJ6GMYG821	M.RESISTOR CH 1/10W 820	1	
R2719	ERJ6GMYJ105	M.RESISTOR CH 1/10W 1M	1	
R2720	ERJ6GMYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R2721	ERDS2TJ472	C.RESISTOR 1/4W 4.7K	1	
R2723	ERJ6GMYJ473	M.RESISTOR CH 1/10W 47K	1	
R2724	ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3005	ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R3013	ERDS2TJ122	C.RESISTOR 1/4W 1.2K	1	
R3014	VRE0034E38B	M.RESISTOR CH 1/10W	1	
R3015	VRE0034E222	M.RESISTOR CH 1/10W 2.2K	1	
R3021	ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	
R3022	ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R3101,02	ERJ6GMYJ750	M.RESISTOR CH 1/10W 75	2	
R3103	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R4015	ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	
R4040	ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R4062	ERJ6GMZOR00	M.RESISTOR CH 1/10W 0	1	
R6008	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R6009	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R6010	ERJ6GMZOR00	M.RESISTOR CH 1/10W 0	1	
R6014	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R6015	ERJ6GMYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R6021	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R6022,23	ERJ6GMZOR00	M.RESISTOR CH 1/10W 0	2	
R6024	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	
R6029,30	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	2	
R6032	ERJ6GMYJ391	M.RESISTOR CH 1/10W 390	1	
R6033	ERDS2TJ473	C.RESISTOR 1/4W 47K	1	
R6036	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R6037	ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R6038	ERDS2TJ333	C.RESISTOR 1/4W 33K	1	
R6039-41	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	3	
R6042,43	ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	2	
R6044	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	
R6045	ERJ6GMYG223	M.RESISTOR CH 1/10W 22K	1	
R6046,47	ERJ6GMYJ683	M.RESISTOR CH 1/10W 68K	2	
R6048	ERJ6GMYG223	M.RESISTOR CH 1/10W 22K	1	
R6049	ERJ6GMYJ271	M.RESISTOR CH 1/10W 270	1	
R6052	ERJ6GMYG201	M.RESISTOR CH 1/10W 200	1	
R6054,55	ERDS2TJ473	C.RESISTOR 1/4W 47K	2	

[illegible]

4-4. ELECTRICAL REPLACEMENT PARTS LIST (NV-P04RM2EEN)

Note: 1. Be sure to make your orders of replacement parts according to this list.
 2. IMPORTANT SAFETY NOTICE : Components identified with the mark <I> have the special characteristics for safety. When replacing any of these components, use only the same type.
 3. Unless otherwise specified, All resistors are in OHMS, K=1,000 OHMS. All capacitors are in MICRO-PARADS(uf), P=uuf.
 4. The P.C. Board units marked with '■' show below the main assembled parts.
 5. The marking (RTL) indicates the retention time is limited for this item. After the discontinuation of this assembly in production, it will no longer be available.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	VEPO3D4QM	MAIN C.B.A. (Page: 29)	1	[SUPPLIED FROM MAV] (RTL) INCLUDING THE LED C.B.A. (VEPO0U10B). A/V PACK C.B.A. (VEPO3C24G).
	VEPO0U10B	LED C.B.A.	1	[SUPPLIED FROM MAV] (RTL) INCLUDED IN MAIN C.B.A. (VEPO3D4QM).
	VEPO3C24G	A/V PACK C.B.A.	1	[SUPPLIED FROM MAV] (RTL) INCLUDED IN MAIN C.B.A. (VEPO3D4QM).
	VEPO5228B	HEAD AMP C.B.A. (Page: 32)	1	[SUPPLIED FROM MAV] (RTL)
	VEPO166QA	POWER C.B.A. (Page: 32)	1	[SUPPLIED FROM MAV] (RTL) <I>
	VEPO2442A	POWER TRANSISTOR C.B.A. (Page: 32)	1	[SUPPLIED FROM MAV] (RTL)
	VEPO0D18B	RT CONNECTION C.B.A. (Page: 33)	1	(RTL)
	-----	MOTOR C.B.A. (Page: 33)	1	C.B.A. IS INCLUDED IN LOADING MOTOR (1) UNIT (VEMO427).
CU7001	ENC47998	RF CONVERTER	1	<I>
F1101	XBA2C05TBO	FUSE	1	<I>
F1102	XBA2C16TBO	FUSE	1	<I>
F1104	XBA2C10TBO	FUSE	1	<I>
	■ VEPO3D4QM	MAIN C.B.A.		[SUPPLIED FROM MAV] (RTL)
C301	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	1	
C308	ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	
C309	ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C310	ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C311	ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C312	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	1	
C313	ECUM1H121JCN	C.CAPACITOR CH 50V 120P	1	
C314	ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C315	ECUM1H1042FN	C.CAPACITOR CH 50V 0.1U	1	
C316	ECEAOJKA101	E.CAPACITOR 6.3V 100U	1	
C317	ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C319	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C320	ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C321,22	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	2	
C323	ECEAOJKA220	E.CAPACITOR 6.3V 22U	1	
C324	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	1	
C325	ECUM1C474KBM	C.CAPACITOR CH 16V 0.47U	1	
C326	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C327	ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C328	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	1	
C329	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C330	ECUM1C1052FN	C.CAPACITOR CH 16V 1U	1	
C331	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C332	ECUM1C474KBM	C.CAPACITOR CH 16V 0.47U	1	
C333	ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C334	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C336	ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C337	ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C338	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C339	ECUM1H821JCN	C.CAPACITOR CH 50V 820P	1	
C340	ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C342	ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C343	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	1	
C344	ECEAOJKA101	E.CAPACITOR 6.3V 100U	1	
C345	ECUM1H1042FN	C.CAPACITOR CH 50V 0.1U	1	
C346	ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	1	
C347	ECEAOJKA470	E.CAPACITOR 6.3V 47U	1	
C348	ECEAOJKA220	E.CAPACITOR 6.3V 220U	1	
C349	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C350	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	1	
C351	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C352	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	1	
C353,54	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	2	
C355	ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U	1	
C356	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C357	ECUM1H1042FN	C.CAPACITOR CH 50V 0.1U	1	
C358	ECEAOJKA221	E.CAPACITOR 6.3V 220U	1	
C359	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	1	
C361,62	ECEA1HKA010	E.CAPACITOR 50V 1U	2	
C363,64	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	2	
C365	ECUM1C474KBM	C.CAPACITOR CH 16V 0.47U	1	
C368	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C369	ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C370	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C371	ECUM1H472KBN	C.CAPACITOR CH 50V 4700P	1	
C372	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C373	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	1	
C374	ECEAOJKA101	E.CAPACITOR 6.3V 100U	1	
C375	ECUM1H1042FN	C.CAPACITOR CH 50V 0.1U	1	
C376	ECEAOJKA101	E.CAPACITOR 6.3V 100U	1	
C377	ECUM1H1042FN	C.CAPACITOR CH 50V 0.1U	1	
C378	ECKF1H1032F	C.CAPACITOR 50V 0.01U	1	
C401	ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C402	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C403	ECEAOJKA220	E.CAPACITOR 6.3V 22U	1	
C404	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C405	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C406	ECEA1HKA4R7	E.CAPACITOR 50V 4.7U	1	
C407	ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C408	ECEAOJKA470	E.CAPACITOR 6.3V 47U	1	
C409	ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C411	ECUM1H153KBN	C.CAPACITOR CH 50V 0.015U	1	
C412	ECEAOJKA220	E.CAPACITOR 6.3V 220U	1	
C413	ECEAOJKA221	E.CAPACITOR 6.3V 220U	1	
C414	ECUM1H1042FN	C.CAPACITOR CH 50V 0.1U	1	
C418	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C1001	ECEA1CGE331	E.CAPACITOR 16V 330U	1	
C1002,03	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	2	
C1004	ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C1010	ECEA1VGE470	E.CAPACITOR 35V 47U	1	
C2001	ECEA1CKA220	E.CAPACITOR 16V 22U	1	
C2002	ECUM1H1042FN	C.CAPACITOR CH 50V 0.1U	1	
C2003	ECUM1H392KBN	C.CAPACITOR CH 50V 3900P	1	
C2004	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C2005	ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C2006	ECUM1H472KBN	C.CAPACITOR CH 50V 4700P	1	
C2008	ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C2009,10	ECEA1ESN3R3	E.CAPACITOR 25V 3.3U	2	
C2011	ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C2012	ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R6052	ERJ6GMYG201	M.RESISTOR CH 1/10W 200	1	
R6054,55	ERDS2TJ473	C.RESISTOR 1/4W 47K	2	
R6056	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R6501	ERX1SJ1R8	M.RESISTOR 1W 1.8	1	
R6502	ERJ6GMYG822	M.RESISTOR CH 1/10W 8.2K	1	
R6504	ERJ6GMYG182	M.RESISTOR CH 1/10W 1.8K	1	
R6505	ERJ6GMYG512	M.RESISTOR CH 1/10W 5.1K	1	
R6506	ERJ6GMYG913	M.RESISTOR CH 1/10W 91K	1	
R6507	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R7503-06	ERJ6GMYJ271	M.RESISTOR CH 1/10W 270	4	
R7514,15	ERJ6GMYJ271	M.RESISTOR CH 1/10W 270	2	
R7516	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R7517	ERDS2TJ470	C.RESISTOR 1/4W 47	1	
R7518	ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R7520	ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
S1501	VES0695	JACK	1	
S4901	ESD177206	SWITCH	1	
S7503	EVQ11407K	SWITCH	1	
S7505-10	EVQ11407K	SWITCH	6	
SW7501,02	VSS0373	SWITCH	2	[SUPPLIED FROM MAV]
T4001	EIQ7QF014Q	TRANSFORMER	1	
VR2001	EVNCYAA03B54	V.RESISTOR 50K	1	
X301	VXS0162	CRYSTAL OSCILLATOR	1	
X6001	VXS0437	CRYSTAL OSCILLATOR	1	
ZA3001	VSC4380	RADIATION PLATE	1	[SUPPLIED FROM MAV]
		MISCELLANEOUS		
	VMD1926	LED HOLDER	1	FOR D1501
	VMD1927	PHOTO TRANSISTOR HOLDER	2	FOR Q1501,02
	VMD2029	REEL GUIDE	1	
	VJH0750	JACK BOARD	1	[SUPPLIED FROM MAV]
	VWJ0891	FLAT CARD CABLE	1	(P2701-P1507)
	VEE9558	WIRE CABLE	1	[SUPPLIED FROM MAV]
				(P1102-RF CONV.)
	VEE9559	WIRE CABLE	1	[SUPPLIED FROM MAV]
				(P4001-FE HEAD)
	VEE9557	WIRE CABLE	1	[SUPPLIED FROM MAV]
				(P2702-P1506)
	XTV3+12JFZ	SCREW	1	
	XTV3+6F	SCREW	1	
	VMD2102	LED SPACER	1	[SUPPLIED FROM MAV]
				FOR LED C.B.A.
	VWJ1076	FLAT CARD CABLE	1	[SUPPLIED FROM MAV]
				(P301-P501)
				FOR A/V PACK C.B.A.
	VEE9121	WIRE CABLE	1	(P2501-P202)
	■ VEP05228B	HEAD AMP C.B.A.		[SUPPLIED FROM MAV]
				(RTL)
C501,02	ECUM1H1042FN	C.CAPACITOR CH 50V 0.1U	2	
C503,04	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	2	
C505	ECEAOJKA470	E.CAPACITOR 6.3V 47U	1	
C506	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	1	
IC501	AN3375S	IC	1	
L501	VLQ0599J101	COIL 100UH	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
P501	VJS2331	CONNECTOR (FEMALE)	1	
P502	VJS3069	CONNECTOR (FEMALE)	1	
R501	ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	
R502	ERJ6GMYJ513	M.RESISTOR CH 1/10W 51K	1	
R503	ERJ6GMYJ243	M.RESISTOR CH 1/10W 24K	1	
R504	ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R505	ERJ6GMYJ151	M.RESISTOR CH 1/10W 150	1	
R506,07	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	2	
R508	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	
ZA501	VSC4208	SHIELD COVER	1	
ZA502	VSC4209	SHIELD COVER	1	
	■ VEP01660A	POWER C.B.A.		[SUPPLIED FROM MAV]
				(RTL)<1>
C1101	ECEA1VGE222	E.CAPACITOR 35V 2200U	1	
C1102	ECEA1CGE472	E.CAPACITOR 16V 4700U	1	
C1103	ECKFH1H103ZF	C.CAPACITOR 50V 0.01U	1	
C1105-07	ECKFH1H103ZF	C.CAPACITOR 50V 0.01U	3	
C1112	ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C1117	ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C1121	ECKFH1H103ZF	C.CAPACITOR 50V 0.01U	1	
D1101-07	ERA15-01	DIODE	7	
D1109-12	ERA15-01	DIODE	4	
D1120	ERZTC4AK221	DIODE	1	[SUPPLIED FROM MAV]
				<1>
F1101	XBA2C05TB0	FUSE	1	<1>
F1102	XBA2C16TB0	FUSE	1	<1>
F1104	XBA2C10TB0	FUSE	1	<1>
IC1101	BA17812T	IC	1	[SUPPLIED FROM MAV]
IC1102	BA17805T	IC	1	[SUPPLIED FROM MAV]
JK1101	VJA0832	AC CORD	1	[SUPPLIED FROM MAV]
				<1>
P1101	VJP3553FO08	CONNECTOR (MALE) 8P	1	[SUPPLIED FROM MAV]
P1102	VJP1148	CONNECTOR (MALE) 2P	1	
R1101,02	ERDS1TJ102	C.RESISTOR 1/2W 1K	2	
S1101	VSR0218	SWITCH	1	[SUPPLIED FROM MAV]
				<1>
T1101	VTF0484	TRANSFORMER	1	[SUPPLIED FROM MAV]
				<1>
ZA1101-06	EYF52BC	FUSE HOLDER	6	<1>
ZA1107	VSC4476	HEAT SINK	1	[SUPPLIED FROM MAV]
	■ VEP02442A	POWER TRANSISTOR C.B.A.		[SUPPLIED FROM MAV]
				(RTL)
P1506	VJP1230T	CONNECTOR (MALE) 3P	1	
Q1503	2SB1565F46	TRANSISTOR	1	[SUPPLIED FROM MAV]

4-5. ELECTRICAL REPLACEMENT PARTS LIST (NV-P05REEN / REUN)

Note:1.Be sure to make your orders of replacement parts according to this list.
 2.IMPORTANT SAFETY NOTICE : Components identified with the mark (!) have the special characteristics for safety. When replacing any of these components,use only the same type.
 3.Unless otherwise specified,
 All resistors are in OHMS , K=1,000 OHMS. All capacitors are in MICRO-FARADS(uf),P=uF.
 4.The P.C.Board units marked with"■"show below the main assembled parts.
 5.The marking(RTL) indicates the retention time is limited for this item.
 After the discontinuation of this assembly in production, it will no longer be available.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	VEP03D40P	MAIN C.B.A. (Page : 34)	1	[SUPPLIED FROM MAV] (RTL) INCLUDING THE LED C.B.A. (VEP00U10D) , A/V PACK C.B.A. (VEP03C24J) .
	VEP00U10D	LED C.B.A.	1	[SUPPLIED FROM MAV] (RTL) INCLUDED IN MAIN C.B.A. (VEP03D40P) .
	VEP03C24J	A/V PACK C.B.A.	1	[SUPPLIED FROM MAV] (RTL) INCLUDED IN MAIN C.B.A. (VEP03D40P) .
	VEP05228B	HEAD AMP C.B.A. (Page : 37)	1	[SUPPLIED FROM MAV] (RTL)
	VEP01660A	POWER C.B.A. (Page : 37)	1	[SUPPLIED FROM MAV] (RTL) (!)
	VEP02442A	POWER TRANSISTOR C.B.A. (Page : 37)	1	[SUPPLIED FROM MAV] (RTL)
	VEP00D18B	RT CONNECTION C.B.A. (Page : 38)	1	(RTL)
	-----	MOTOR C.B.A. (Page : 38)	1	C.B.A. IS INCLUDED IN LOADING MOTOR (1) UNIT (VEM0427) .
CU7001	ENC47998	RF CONVERTER	1	(!)
F1101	XBA2C05TBO	FUSE	1	(!)
F1102	XBA2C16TBO	FUSE	1	(!)
F1104	XBA2C10TBO	FUSE	1	(!)
	■ VEP03D40P	MAIN C.B.A.		[SUPPLIED FROM MAV] (RTL)
C308	ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	
C309	ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C310	ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C311	ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C312	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C313	ECUM1H121JCN	C.CAPACITOR CH 50V 120P	1	
C314	ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C315	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C316	ECEAOJKA101	E.CAPACITOR 6.3V 100U	1	
C317	ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C319	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C320	ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C321,22	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C323	ECEAOJKS220	E.CAPACITOR 6.3V 22U	1	
C324	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C325	ECUM1C474KBM	C.CAPACITOR CH 16V 0.47U	1	
C326	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C327	ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C328	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C329	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C330	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C331	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C332	ECUM1C474KBM	C.CAPACITOR CH 16V 0.47U	1	
C333	ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C334	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C336	ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C337	ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C338	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C339	ECUM1H821JCN	C.CAPACITOR CH 50V 820P	1	
C340	ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C342	ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C343	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C344	ECEAOJKS101	E.CAPACITOR 6.3V 100U	1	
C345	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C346	ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	1	
C347	ECEAOJKA470	E.CAPACITOR 6.3V 47U	1	
C348	ECEAOJKA220	E.CAPACITOR 6.3V 220U	1	
C349	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C350	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C351	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C352	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C353,54	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	2	
C355	ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U	1	
C356	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C357	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C358	ECEAOJKA221	E.CAPACITOR 6.3V 220U	1	
C359	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C361,62	ECEA1HKA010	E.CAPACITOR 50V 1U	2	
C363,64	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C365	ECUM1C474KBM	C.CAPACITOR CH 16V 0.47U	1	
C368	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C369	ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C370	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C371	ECUM1H472KBN	C.CAPACITOR CH 50V 4700P	1	
C372	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C373	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C374	ECEAOJKA101	E.CAPACITOR 6.3V 100U	1	
C375	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C376	ECEAOJKA101	E.CAPACITOR 6.3V 100U	1	
C377	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C378	ECKFH1H103ZF	C.CAPACITOR 50V 0.01U	1	
C401	ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C402	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C403	ECEAOJKA220	E.CAPACITOR 6.3V 22U	1	
C404	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C405	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C406	ECEA1HKA4R7	E.CAPACITOR 50V 4.7U	1	
C407	ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C408	ECEAOJKA470	E.CAPACITOR 6.3V 47U	1	
C409	ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C410	ECUM1H822KBN	C.CAPACITOR CH 50V 8200P	1	
C411	ECUM1H682KBN	C.CAPACITOR CH 50V 6800P	1	
C412	ECEAOJKA220	E.CAPACITOR 6.3V 220U	1	
C413	ECEAOJKA221	E.CAPACITOR 6.3V 220U	1	
C414	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C418	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C1001	ECEA1CGE331	E.CAPACITOR 16V 330U	1	
C1002,03	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C1004	ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C1010	ECEA1VGE470	E.CAPACITOR 35V 47U	1	
C2001	ECEA1CKA220	E.CAPACITOR 16V 22U	1	
C2002	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C2003	ECUM1H392KBN	C.CAPACITOR CH 50V 3900P	1	
C2004	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C2005	ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C2006	ECUM1H472KBN	C.CAPACITOR CH 50V 4700P	1	
C2008	ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C2009,10	ECEA1ESN3R3	E.CAPACITOR 25V 3.3U	2	
C2011	ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C2012	ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C2013	ECEA1AKS221	E.CAPACITOR 10V 220U	1		IC2501	NA3814K	IC	1	
C2014	ECEA1CKS100	E.CAPACITOR 16V 10U	1		IC2701	BA6871BS	IC	1	
C2015	ECEA1HKS3R3	E.CAPACITOR 50V 3.3U	1		IC3001	HA17431PA	IC	1	
C2018	ECUM1H1042FN	C.CAPACITOR CH 50V 0.1U	1		IC6001	MN67434VRSY	IC	1	
C2019	ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U	1		IC6501	XRA6887-V3	IC	1	
C2020	ECUM1H392KBN	C.CAPACITOR CH 50V 3900P	1		IC6502	AN1358S	IC	1	
C2021	ECEA1HKA4R7	E.CAPACITOR 50V 4.7U	1		IC7502	PST591B	IC	1	
C2022	ECAOJM221	E.CAPACITOR 6.3V 220U	1						
C2023	ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	1						
C2024	ECQV1H683JM	P.CAPACITOR 50V 0.068U	1		IR7501	RPM-675CBRS	IR RECEIVER UNIT	1	[SUPPLIED FROM MAV]
C2501	ECEA1CKG100	E.CAPACITOR 16V 10U	1						
C2502	ECQV1H104JM	P.CAPACITOR 50V 0.1U	1						
C2503-05	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	3		JK3001	VEJ1388	JACK	1	[SUPPLIED FROM MAV]
C2506	ECQV1H104JM	P.CAPACITOR 50V 0.1U	1						
C2507-09	ECEA1EKQ4R7	E.CAPACITOR 25V 4.7U	3						
C2510	ECUM1H4732FN	C.CAPACITOR CH 50V 0.047U	1						
C2511	ECEA1JKG101	E.CAPACITOR 6.3V 100U	1		K301-03	ERJ6GMZOR00	M.RESISTOR CH 1/10W 0	3	
C2512	ECEA1HKG4R7	E.CAPACITOR 50V 0.47U	1		K1002	ERJ6GMZOR00	M.RESISTOR CH 1/10W 0	1	
C2701	ECEA1CKA330	E.CAPACITOR 16V 33U	1		K2001-03	ERJ6GMZOR00	M.RESISTOR CH 1/10W 0	3	
C2702	ECQV1H683JM	P.CAPACITOR 50V 0.068U	1		K7503	ERJ6GMZOR00	M.RESISTOR CH 1/10W 0	1	
C2703,04	ECUM1E333KBN	C.CAPACITOR CH 25V 0.033U	2						
C2705	ECA1VM470	E.CAPACITOR 35V 47U	1		L303	VLQ0599J121	COIL 120UH	1	
C2706	ECAOJM221	E.CAPACITOR 6.3V 220U	1		L304	ELESEN8R2JA	COIL 8.2UH	1	
C2707	ECEA1HKA4R7	E.CAPACITOR 50V 0.22U	1		L305	ELESE270KA	COIL 27UH	1	
C2708	ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	1		L306	ELESE101KA	COIL 100UH	1	
C2709	ECA1VM470	E.CAPACITOR 35V 47U	1		L308	VLQ0599J820	COIL 82UH	1	
C2710-13	ECUM1E333KBN	C.CAPACITOR CH 25V 0.033U	4		L309	VLQ0599J151	COIL 150UH	1	
C2714-16	ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	3		L311,12	ELESE101KA	COIL 100UH	2	
C2719	ECUM1C1052FM	C.CAPACITOR CH 16V 1U	1		L315-17	ELESE101KA	COIL 100UH	3	
C2721	ECEA1HKN4R7	E.CAPACITOR 50V 0.47U	1		L318	VLP0083	COIL	1	
C2724	ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1		L321-25	VLP0083	COIL	5	
C2725	ECUM1H1042FN	C.CAPACITOR CH 50V 0.1U	1		L401	VLQE107F153J	COIL	1	
C3002	ECUM1H1042FN	C.CAPACITOR CH 50V 0.1U	1		L3101	ELESE1ROKA	COIL 1UH	1	
C3003	ECEA1JGE471	E.CAPACITOR 6.3V 470U	1		L3103	ELESE470KA	COIL 47UH	1	
C3004	ECUM1C1052FM	C.CAPACITOR CH 16V 1U	1		L3104	VLP0074	COIL	1	
C3005	ECEA1CKA470	E.CAPACITOR 16V 47U	1		L4002	ELESE471KA	COIL 470UH	1	
C3007	ECAOJM471	E.CAPACITOR 6.3V 470U	1		L4003	VLQ0188J220	COIL 22UH	1	
C3011	ECEA1CKG330	E.CAPACITOR 16V 33U	1	[SUPPLIED FROM MAV]	L6001	VLP0074	COIL	1	
C3015	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	1						
C3102	ECUM1H1042FN	C.CAPACITOR CH 50V 0.1U	1						
C3103	ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1		P202	VJS1237	CONNECTOR (FEMALE)	1	
C4012	ECQB1H102K2	P.CAPACITOR 50V 1000P	1		P301	VJS3537A006G	CONNECTOR (FEMALE) 6P	1	
C4013	ECEA1CU330	E.CAPACITOR 16V 33U	1		P401	VJS3537A006G	CONNECTOR (FEMALE) 6P	1	
C4014	ECQB1332JF	P.CAPACITOR 100V 3300P	1	[SUPPLIED FROM MAV]	P1001	VJS3553B008	CONNECTOR (FEMALE) 8P	1	[SUPPLIED FROM MAV]
C4015	ECCD2H181J	C.CAPACITOR 500V 180P	1		P1102	VJS1141	CONNECTOR (FEMALE)	1	
C4016	ECQB1H153J2	P.CAPACITOR 50V 0.015U	1		P1503	VJS3316A002	CONNECTOR (FEMALE) 2P	1	
C6002	ECUM1H1000CN	C.CAPACITOR CH 50V 10P	1		P1504	VJS3820	CONNECTOR (FEMALE)	1	
C6003	ECUM1H120JCN	C.CAPACITOR CH 50V 12P	1		P1506	VJS1230	CONNECTOR (FEMALE)	1	
C6004	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	1		P2501	VJP1237	CONNECTOR (MALE) 10P	1	
C6009	ECUM1H1042FN	C.CAPACITOR CH 50V 0.1U	1		P2501	VJS1237	CONNECTOR (FEMALE)	1	
C6502	ECUM1C2242FN	C.CAPACITOR CH 16V 0.22U	1		P2701	VJS3537A015G	CONNECTOR (FEMALE) 15P	1	
C6712	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1		P2702	VJP1230	CONNECTOR (MALE) 3P	1	
C7505	ECEA1JKA470	E.CAPACITOR 6.3V 47U	1		P2702	VJS1230	CONNECTOR (FEMALE)	1	
					P4001	VJP1229	CONNECTOR (MALE) 2P	1	
					P4001	VJS1229	CONNECTOR (FEMALE)	1	
CU7001	ENC47998	RF CONVERTER	1	<1>					
D301	1SS283	DIODE	1		PK301	VJR0778B006W	CONNECTOR (MALE) 6P	1	
D302-08	1SS254	DIODE	7		PK302	VJR0778B005W	CONNECTOR (MALE) 5P	1	[SUPPLIED FROM MAV]
D1501	LN59L.VT	LED	1		PK303	VJR0778B007W	CONNECTOR (MALE) 7P	1	[SUPPLIED FROM MAV]
D4001	MA4027-L	DIODE	1		PK401	VJR0778B011W	CONNECTOR (MALE) 11P	1	
D6001,02	1SS254	DIODE	2						
D6004-06	1SS254	DIODE	3		PP6001	VJP3573B011	CONNECTOR (MALE) 11P	1	
D6505	MA4068H	DIODE	1						
D7501-03	MPG3378S184K	DIODE	3	[SUPPLIED FROM MAV]					
D7504	MPR3378S184K	DIODE	1	[SUPPLIED FROM MAV]	PS7501	VJS3573F011	CONNECTOR (FEMALE) 11P	1	
D7510,11	MPR3378S184K	DIODE	2	[SUPPLIED FROM MAV]					
IC301	AN3500FBP	IC	1		Q304	MSB709	TRANSISTOR	1	
IC302	TL8850AP	IC	1		Q401	MSD1328	TRANSISTOR	1	
IC401	BA7755AF	IC	1		Q1002	MSD602	TRANSISTOR	1	
IC1001	BA178M09T	IC	1	[SUPPLIED FROM MAV]	Q1501,02	PN205L-NC.VT	PHOTO TRANSISTOR	2	
IC1501,02	ON1387	PHOTO INTERRUPTER	2		Q2701	MSD601	TRANSISTOR	1	
					Q3001	MSB709	TRANSISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R6049	ERJ6GMYJ271	M.RESISTOR CH 1/10W 270	1	
R6052	ERJ6GMYG201	M.RESISTOR CH 1/10W 200	1	
R6054, 55	ERDS2TJ473	C.RESISTOR 1/4W 47K	2	
R6056	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R6501	ERX1SJ1R8	M.RESISTOR 1W 1.8	1	
R6502	ERJ6GMYG822	M.RESISTOR CH 1/10W 8.2K	1	
R6504	ERJ6GMYG182	M.RESISTOR CH 1/10W 1.8K	1	
R6505	ERJ6GMYG512	M.RESISTOR CH 1/10W 5.1K	1	
R6506	ERJ6GMYG913	M.RESISTOR CH 1/10W 91K	1	
R6507	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	
R7503-06	ERJ6GMYJ271	M.RESISTOR CH 1/10W 270	4	
R7514, 15	ERJ6GMYJ271	M.RESISTOR CH 1/10W 270	2	
R7516	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	
R7517	ERDS2TJ470	C.RESISTOR 1/4W 47	1	
R7518	ERJ6GMYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R7520	ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	
S1501	VES0695	JACK	1	
S4901	ESD177206	SWITCH	1	
S7503	EVQ11407K	SWITCH	1	
S7505-10	EVQ11407K	SWITCH	6	
SW7501, 02	VSS0373	SWITCH	2	[SUPPLIED FROM MAV]
T4001	EIQ7QF014Q	TRANSFORMER	1	
VR2001	EVNCA03B54	V.RESISTOR 50K	1	
X301	VXS0162	CRYSTAL OSCILLATOR	1	
X6001	VXS0437	CRYSTAL OSCILLATOR	1	
ZA3001	VSC4380	RADIATION PLATE	1	[SUPPLIED FROM MAV]
		MISCELLANEOUS		
	VMD1926	LED HOLDER	1	FOR D1501
	VMD1927	PHOTO TRANSISTOR HOLDER	2	FOR Q1501, 02
	VMD2029	REEL GUIDE	1	
	VJH0750	JACK BOARD	1	[SUPPLIED FROM MAV]
	VWJ0891	FLAT CARD CABLE	1	(P2701-P1507)
	VEE9558	WIRE CABLE	1	[SUPPLIED FROM MAV]
				(P1102-RF CONV.)
	VEE9559	WIRE CABLE	1	[SUPPLIED FROM MAV]
				(P4001-FE HEAD)
	VEE9557	WIRE CABLE	1	[SUPPLIED FROM MAV]
				(P2702-P1506)
	XTV3+12JFZ	SCREW	1	
	XTV3+6F	SCREW	1	
	VMD2102	LED SPACER	1	[SUPPLIED FROM MAV]
				FOR LED C.B.A.
	VWJ1076	FLAT CARD CABLE	1	[SUPPLIED FROM MAV]
				(P301-P501)
				FOR A/V PACK C.B.A.
	VEE9121	WIRE CABLE	1	(P2501-P202)
	VEP05228B	HEAD AMP C.B.A.		[SUPPLIED FROM MAV]
				(RTL)
C501, 02	ECUM1H1042FN	C.CAPACITOR CH 50V 0.1U	2	
C503, 04	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	2	
C505	ECEAOJKA470	E.CAPACITOR 6.3V 47U	1	
C506	ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	1	
IC501	AN3375S	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L501	VLQ0599J101	COIL 100UH	1	
P501	VJS2331	CONNECTOR (FEMALE)	1	
P502	VJS3069	CONNECTOR (FEMALE)	1	
R501	ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	
R502	ERJ6GMYJ513	M.RESISTOR CH 1/10W 51K	1	
R503	ERJ6GMYJ243	M.RESISTOR CH 1/10W 24K	1	
R504	ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	
R505	ERJ6GMYJ151	M.RESISTOR CH 1/10W 150	1	
R506, 07	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	2	
R508	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	
ZA501	VSC4208	SHIELD COVER	1	
ZA502	VSC4209	SHIELD COVER	1	
	VEP01660A	POWER C.B.A.		[SUPPLIED FROM MAV]
				(RTL)<1>
C1101	ECEA1VGE222	E.CAPACITOR 35V 2200U	1	
C1102	ECEA1CGE472	E.CAPACITOR 16V 4700U	1	
C1103	ECKF1H103ZF	C.CAPACITOR 50V 0.01U	1	
C1105-07	ECKF1H103ZF	C.CAPACITOR 50V 0.01U	3	
C1112	ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C1117	ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C1121	ECKF1H103ZF	C.CAPACITOR 50V 0.01U	1	
D1101-07	ERA15-01	DIODE	7	
D1109-12	ERA15-01	DIODE	4	
D1120	ERZTC4AK221	DIODE	1	[SUPPLIED FROM MAV]
				<1>
F1101	XBA2C05TB0	FUSE	1	<1>
F1102	XBA2C16TB0	FUSE	1	<1>
F1104	XBA2C10TB0	FUSE	1	<1>
IC1101	BA17812T	IC	1	[SUPPLIED FROM MAV]
IC1102	BA17805T	IC	1	[SUPPLIED FROM MAV]
JK1101	VJA0832	AC CORD	1	[SUPPLIED FROM MAV]
				<1>
P1101	VJP3553FO08	CONNECTOR (MALE) 8P	1	[SUPPLIED FROM MAV]
P1102	VJP1148	CONNECTOR (MALE) 2P	1	
R1101, 02	ERDS1TJ102	C.RESISTOR 1/2W 1K	2	
S1101	VSR0218	SWITCH	1	[SUPPLIED FROM MAV]
				<1>
T1101	VTPO484	TRANSFORMER	1	[SUPPLIED FROM MAV]
				<1>
ZA1101-06	EYF52BC	FUSE HOLDER	6	<1>
ZA1107	VSC4476	HEAT SINK	1	[SUPPLIED FROM MAV]
	VEP02442A	POWER TRANSISTOR C.B.A.		[SUPPLIED FROM MAV]
				(RTL)
P1506	VJP1230T	CONNECTOR (MALE) 3P	1	
Q1503	2SB1565F46	TRANSISTOR	1	[SUPPLIED FROM MAV]

[illegible]