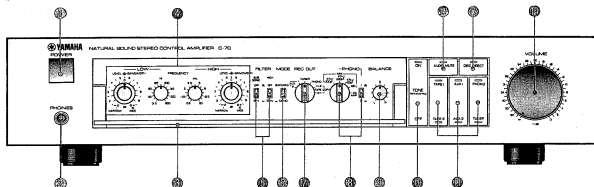


STEREO CONTROL AMPLIFIER

C-70

SERVICE MANUAL

FRONT PANEL



- | | |
|----------------------------|----------------------|
| ① POWER switch | ⑩ PHONO Switch |
| ② Headphones Jack (PHONES) | ⑪ BALANCE Control |
| ③ Subcontrols panel cover | ⑫ TONE DEFEAT Switch |
| ④ PARAMETRIC TONE CONTROL | ⑬ Input Selector |
| ⑤ FILTER Switch | ⑭ AUDIO MUTE Switch |
| ⑥ MODE switch | ⑮ DISC DIRECT Switch |
| ⑦ REC OUT Switch | ⑯ VOLUME Control |

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PRINTED CIRCUIT BOARD PARTS-SIDE COMPONENTS LAYOUT/WIRING	9
COMPLETE CIRCUIT DIAGRAM	10

004459

SINCE 1887



YAMAHA

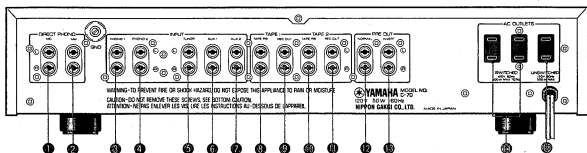
NIPPON GAKKI CO., LTD. HAMAMATSU, JAPAN

'82.4. 2.65 K



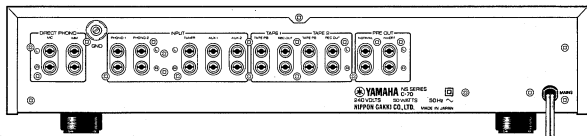
REAR PANEL

U.S.A. and Canadian Models

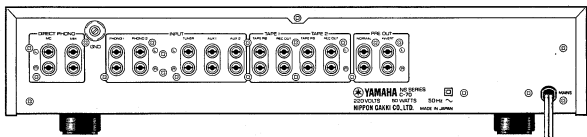


- | | |
|-------------------------------|---------------------------|
| ① DIRECT PHONO MC input jacks | ⑩ TAPE 1/REC OUT jacks |
| ② DIRECT PHONO MM input jacks | ⑪ TAPE 2/TAPE PB jacks |
| ③ PHONO input jacks 1 | ⑫ TAPE 2/REC OUT jacks |
| ④ PHONO input jacks 2 | ⑬ NORMAL PRE OUT jacks |
| ⑤ TUNER input jacks | ⑭ INVERT PRE OUT jacks |
| ⑥ AUX input jacks 1 | ⑮ AC OUTLETS (switched) |
| ⑦ AUX input jacks 2 | ⑯ AC OUTLETS (unswitched) |
| ⑧ TAPE 1/TAPE PB jacks | |

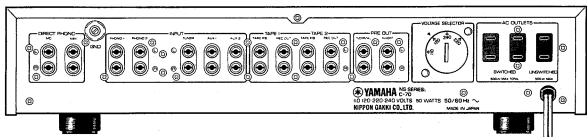
Australian and British Models



European Model

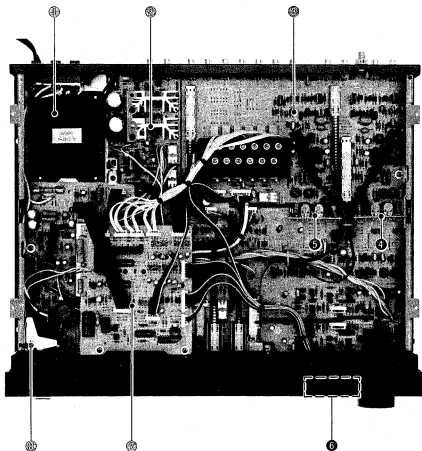


General Model



NAME OF THE PARTS

Top View

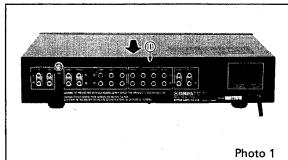


- ① Power transformer
- ② Control circuit board (1)
- ③ Equalizer circuit board (1)
- ④ Equalizer circuit board (3)
- ⑤ Equalizer circuit board (2)
- ⑥ Button circuit board
- ⑦ Control circuit board (2)
- ⑧ Power switch

DISASSEMBLY INSTRUCTIONS

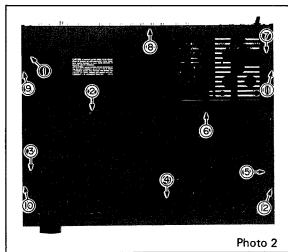
1. Removal of Top Cover

- Remove screw ① shown in photo 1, and remove screws ⑨ ~ ⑫ shown in photo 2.
- Remove the top cover by pulling it in the direction indicated by the arrow.

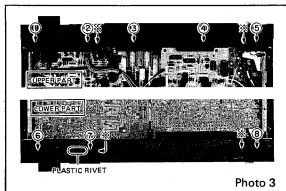


2. Removal of Bottom Cover

Remove screws ① ~ ⑧ shown in photo 2, and remove the bottom cover. (Note that screw ④ is different from the other screws ① ~ ⑧). When fastening the screws again, do not apply too much force, as this could deform the sub-chassis.)

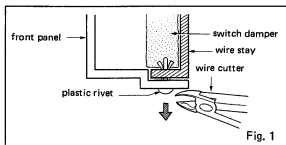


are to be removed only if the subcontrol panel enclosure is to be dismantled.



4. Removal of Control Button Unit

- Remove front panel as described in steps 1 ~ 3.
 - Pull out the two plastic rivets in photo 3 with a wire cutter or the like, as shown in fig. 1. The wire stay can now be removed.
 - When the front panel is lightly pushed from the outside, it comes off.
- * Be careful not to apply too much force, as this can damage the button unit.



3. Removal of Front Panel

- Remove top cover as described in step 1.
- Remove all knobs inside the subcontrol panel enclosure.
- Remove all wire connectors from the control button unit.
- When screws ① ~ ⑧ shown in photo 3 are removed, the front panel can be removed with the subcontrol panel enclosure attached to it.

Note: The four screws marked with * in photo 3

5. Removal of Tone Control Circuit Boards (2) and Sub-chassis.

- Remove top cover as described in step 1.
- Remove screws ① and ② shown in photo 4.
- Remove the board spacers by pinching their tip with a pair of radio pliers or the like, and disconnect all wires from the connectors. The tone control circuit boards (2) can now be removed.
- Remove front panel as described in steps 1 ~ 4.
- Loosen the volume control knob ① shown in photo 5 with a hex wrench, remove it and the fastening nut from the shaft.
- Remove nuts ⑥ ~ ⑧ shown in photo 5 and remove stopper ⑨.
- Remove screws ① ~ ⑧ shown in photo 5. The sub-chassis can now be removed.

*Adjustments or part replacements can now be performed.

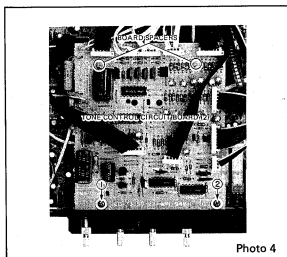


Photo 4

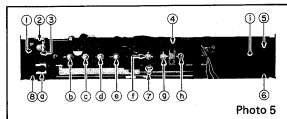
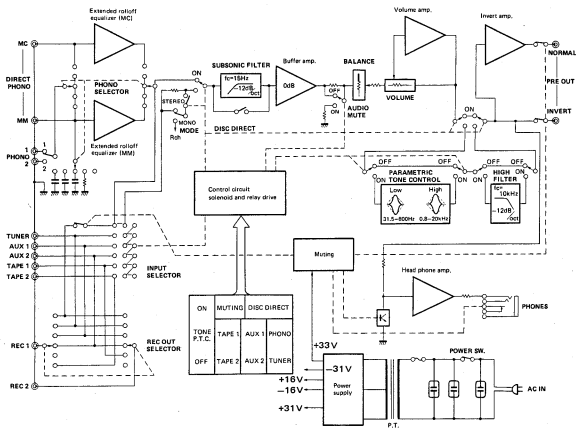


Photo 5

■ BLOCK DIAGRAM



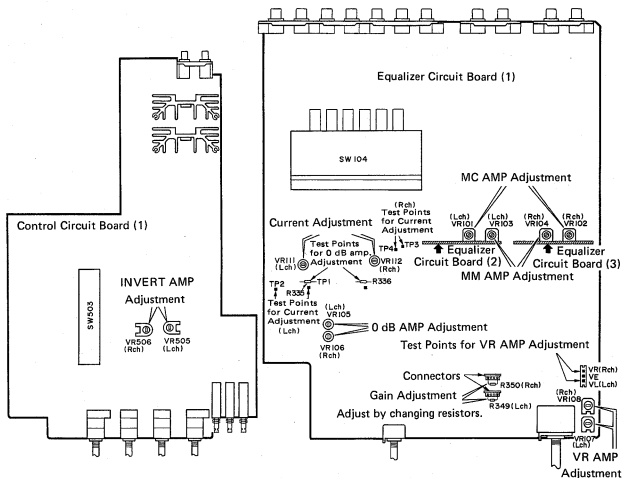
GENERAL ADJUSTMENTS

Before performing adjustments, turn on the power and wait 3 to 4 minutes, until amplifier operation has become stable.

Step	Adjustment Item	Adjustment Point	Instrument	Output Terminals/ Test Point	Rating
1	MC AMP Adjustment Equalizer circuit boards (2) and (3)	VR101 (Lch) VR102 (Rch)	Audio oscil- lator Frequency Counter Oscilloscope AC Voltmeter	REC jacks	$0\text{ V} \pm 0.5\text{ mV}$
2	MM AMP Adjustment Equalizer circuit boards (2) and (3)	VR103 (Lch) VR104 (Rch)		REC jacks	$0\text{ V} \pm 0.5\text{ mV}$
3	0 dB AMP Adjustment Equalizer circuit board	VR105 (Lch) VR106 (Rch)		R335 (Lch)) Output R336 (Rch)	$0\text{ V} \pm 0.2\text{ mV}$
4	VR AMP Adjustment Equalizer circuit board (1)	VR107 (Lch) VR108 (Rch)		VL (Lch)) Terminals VR (Rch)	$0\text{ V} \pm 0.2\text{ mV}$
5	INVERT AMP Adjustment Control circuit board (1)	VR505 (Lch) VR506 (Rch)		PRE OUT (NORMAL) jacks	$0\text{ V} \pm 0.2\text{ mV}$
6	Gain Adjustment Equalizer circuit board (1)	*R349 (Lch) R350 (Rch)		PRE OUT (NORMAL) jacks	$1.5\text{ V} \pm 0.5\text{ dB}$ (Input 150 mV)
7	Current Adjustment Equalizer circuit board (1)	VR111 (Lch) VR112 (Rch)		Between TP1 and TP2 (Lch) Between TP3 and TP4 (Rch)	$770\text{ mV} \pm 10\text{ mV}$

* Adjust by changing the resistor value.

Adjusting points



SPECIFICATIONS

Input Sensitivity/Impedance

Phono MC	100 μ V/100 ohms
MM	2.5mV/100 ohms
	2.5mV/47 kohms 100pF
	2.5mV/47 kohms 220pF
	2.5mV/47 kohms 330pF
Aux, Tape, Tuner	150mV/47 kohms

Input Sensitivity (New IHF)

Phono MC	33 μ V
MM	0.83mV
Aux, Tape, Tuner	50mV

Maximum Input Level (1 kHz, 0.01% THD/New IHF)

Phono MC	13mV/11mV
MM	300mV/280mV

Output Level/Impedance

Rec Out	150mV/470 ohms
Pre Out	1.5V/47 ohms

Maximum Output Level (20 Hz ~ 20 kHz, 0.1% THD)

Pre Out	10V
---------	-----

Headphone Maximum Output Level/Impedance

(1 kHz, 0.01% THD, Output impedance 68 ohms)	0.48V/8 ohms
	4.5V/100 ohms

Frequency Response

Aux, Tape, Tuner to Sp Out	+0, -0.5dB
	(5 Hz ~ 100 kHz)

RIAA Deviation

Phono MC, MM	\pm 0.2dB (20 Hz ~ 20 kHz)
	\pm 0.3dB (10 Hz ~ 100 kHz)

Total Harmonic Distortion

Phono MC to Rec Out	0.001% (3V output)
MM to Rec Out	0.001% (3V output)
Aux, Tape, Tuner to Pre Out	0.001% (5V output, Tone switch OFF)

Intermodulation Distortion (Tone switch OFF)

Aux, Tape, Tuner	0.002% (5V output)
------------------	--------------------

Signal to Noise Ratio (IHF-A-Network)

Phono MC	90dB (500 μ V, Input shorted)
MM	94dB (5mV, Input shorted)
Aux, Tape, Tuner	105dB (Tone switch OFF)

Signal to Noise Ratio (New IHF)

Phono MC	80dB
MM	82dB
Aux, Tape, Tuner	104dB

Residual Noise

(IHF-A-Network)	1.8 μ V
-----------------	-------------

Channel Separation

Phono MM 40Hz	85dB (Input shorted)
1 kHz	80dB (Input shorted)
10 kHz	70dB (Input shorted)
Aux, Tape 40 Hz	100dB (5.1 kohms)
1 kHz	70dB (5.1 kohms)
10 kHz	60dB (5.1 kohms)

Parametric Tone Control

Frequency	Low	31.5 ~ 800 Hz
	High	0.8 ~ 20 kHz
Level	Low, High	\pm 12dB
Bandwidth	Low, High	Q: 0.3 ~ 3.0

Filter Characteristics

Subsonic	15 Hz, -12dB/oct
High	10 kHz, -12dB/oct

Audio Muting

	-20dB
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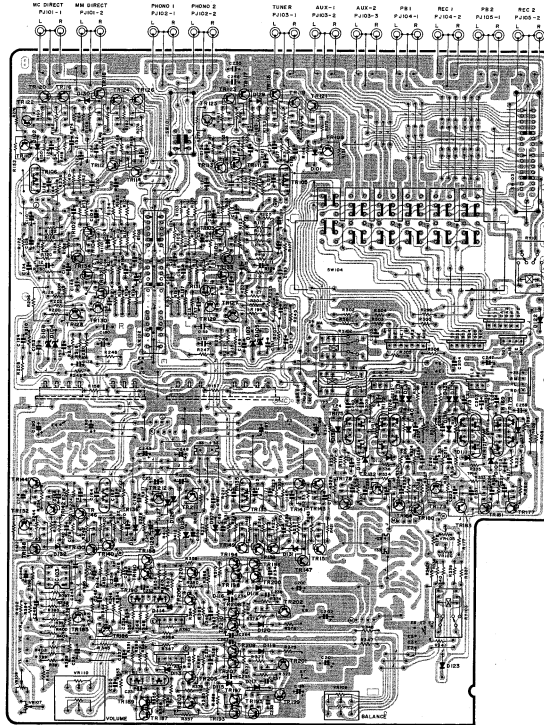
General

Power Supply	AC120V, 60Hz (U.C) AC110, 120, 220, 240V, 50/60Hz (R) AC220V 50Hz (G) AC240V 50Hz (A.B)
Power Consumption	50W
AC Outlets	500W max total (Switched x 2) 500W max (Unswitched)
Dimensions (W x H x D)	435 x 96.5 x 369 mm (17-1/8 x 3-3/4 x 14-1/2")
Weight	7.2 kg (15.84 lbs)

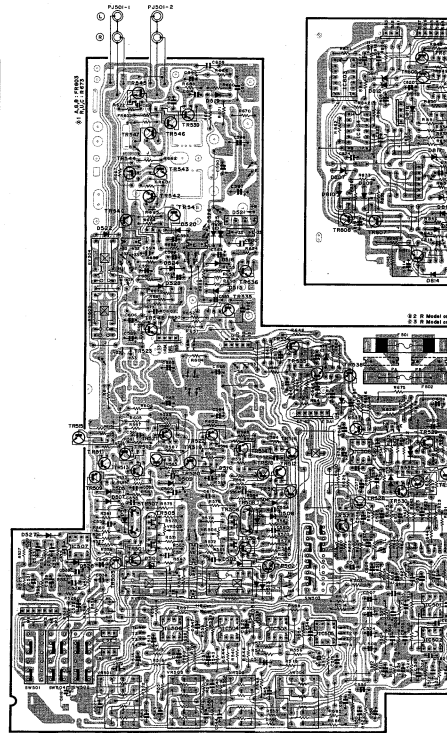
Specifications subject to change without notice.

■ PRINTED CIRCUIT BOARD PATTERN-SIDE LAYOUT

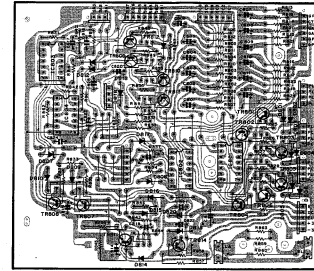
EQUALIZER 1



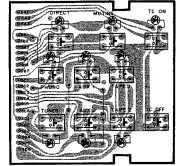
TONE CONTROL 1



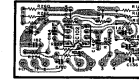
TONE CONTROL 2



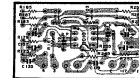
BUTTON UNIT



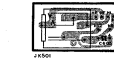
EQUALIZER 3



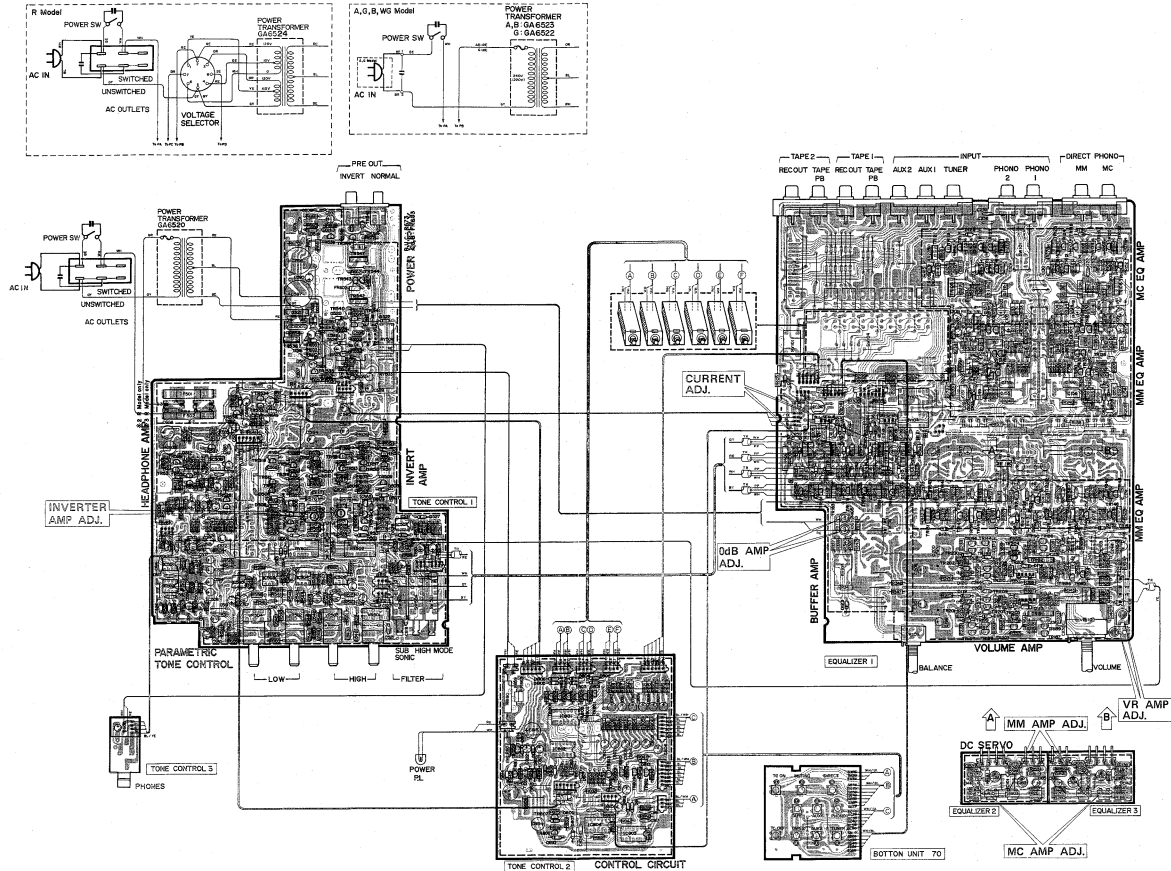
EQUALIZER 2



TONE CONTROL 3



PRINTED CIRCUIT BOARD PARTS-SIDE COMPONENTS LAYOUT/WIRING



PARTS LIST

C-70

STEREO CONTROL AMPLIFIER

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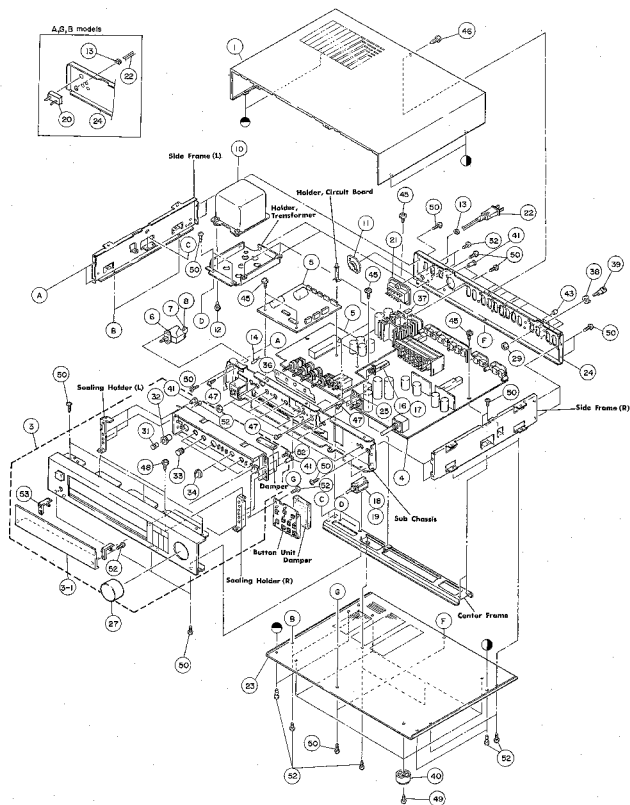
Notes

DESTINATION ABBREVIATIONS

U.....	U.S.A
C.....	CANADIAN
G.....	EUROPEAN
B.....	BRITISH
R.....	GENERAL
A.....	AUSTRALIAN



C-70 ■ EXPLODED VIEW (Allover)



■PARTS LIST (Allover)

Ref. No.	Part No.	Description	(部 品 名)	Remarks	Common model	Markets
1	AA:61:00:80	Tap Cover	タップカバー		C-50	
2	BA:08:23:20	Site Panel	サイバネネル		J	
3	NB:60:43:30	Panel Unit	パネルユニット			
3-1	BA:08:23:30	Shielding Panel	シールドパネネル			
4	NA:07:85:00	Equalizer Circuit Board	イコライザーシート		J	
*	NA:07:85:10	"	"		R,U,A,G,C,B	
5	NA:07:85:20	Tone Control Circuit Board	トーンコントロールシート			
*	NA:07:85:30	"	"		R	
*	NA:07:85:40	"	"		U.C	
*	NA:07:85:50	"	"		A	
*	NA:07:86:60	"	"		G,B	
6	KA:80:24:70	Push Switch	SS-13S/5A/40A	プッシュスイッチ	A,G,B	
*	KA:80:25:50	"	SD2P-A TV-8		R,U,C	
*	KA:80:26:20	"	SD2P 12BV 15A 13BV 8A		J	
7	FI:32:41:00	Ceramic Capacitor	0.01μF AC-950V(DI)	セラコン	J	
*	FI:34:41:00	"	0.01μF MV05		R,U,C	
*	FP:18:41:00	MP Capacitor	0.01μF AC950V	MPコン	A,G,B	
8	CB:07:21:80	Cover for Capacitor	SB-0632-B	コンデンサーカバー角型	A,G,B	
*	CB:09:52:60	"	SB-0633	丸型	R,U,C	
*	CB:60:19:00	"	HY-0103	半丸型	J	
9	CB:60:95:50	Cover for Switch	SB-1383	スイッチカバー	A,G,B	
10	GA:65:19:00	Power Transformer		電源トランス	J	
*	GA:65:20:00	"	"		U.C	
*	GA:65:22:00	"	"		G	
*	GA:65:23:00	"	"		A,B	
*	GA:65:24:00	"	"		R	
11	LB:20:14:80	Voltage Selector		電圧切換器	R	
12	AA:60:38:50	Tight Screw with Steps		段付ネジ	A760	
13	CB:07:27:50	Card Stopper	SR-4N-4	コードストッパー		
14	JB:00:06:60	Pilot Lamp Lead Type	14.5V 80mA	パイロットランプリード式		
15	CB:09:95:80	Cover for Fuse Holder		ヒューズホルダーカバー	U	
16	KA:30:13:00	Remote Push Switch	CONTROL SECTION	リモートプッシュSW		
17	KA:30:28:30	"	WIRE SECTION	"		
18	KA:30:28:60	Remote Rotary Switch	CONTROL+WIRE	リモートロータリーSW	RECOUT	
19	KA:30:28:80	"	"	"	PHONO	
20	LA:00:29:50	Relay Terminal 2P	MA0092A	2P中継端子台		A,G,B
21	LB:30:39:20	AC Outlet	MD-85-4	ACアウトレット付連		R,U
*	LB:30:43:20	"	PMD-95-3	"		C
22	MG:00:07:80	AC Cord	Secd.2m 8A/250V	電源コード		R
*	MG:00:13:60	"	" 13A/125V	"		U.C
*	MG:00:09:10	"	" 8A/250V	"		C
*	MG:00:09:20	"	8m/2.5m 7.5A/250V	"		A
*	MG:00:10:00	"	Secd.2m 8A/300/500V	"		B
*	MG:00:12:10	"	" 15A/125V	"		J
23	AA:61:00:90	Bottom Cover		ボトムカバー		A,G,B
*	AA:61:01:00	"	"	"		R,U,C,A,G,B
24	AA:61:01:30	Rear Panel (J)		リヤパネネル		J
*	AA:61:02:00	" (R)	"	"		R
*	AA:61:02:10	" (U) (C)	"	"		U,C
*	AA:61:02:20	" (G)	"	"		G
*	AA:61:02:30	" (B)	"	"		B
25	AA:61:01:60	Holder, Switch		スイッチホルダー		

※ : New Parts (新部品)

Ref. No.	Part No.	Description	(部 品 名)	Remarks	Common model	Markets
26	AA:61:01:70	Stav		スタイ		
27	BA:08:23:60	Knob		ツマミ		
28	AA:61:12:50	Shield Plate		シールド板		U.C
29	AA:09:57:20	Bonding Nut		ボンディングナット	CAB70	
30	AA:61:17:80	Shield Plate		シールド板		R,A,G,B
31	CB:60:76:50	W Knob		Wツマミ		
32	CB:80:76:60	"		"		
33	CB:80:76:70	Knob		ツマミ		
34	CB:80:76:80	Knob, Switch		SWツマミ		
35	CB:60:76:90	Side Plate		サイドプレート		
36	CB:60:93:40	Shield Plate		シールド板		
37	CB:81:08:10	Damper, Switch		SWダンプバー		
38	CB:09:83:40	Saucer		受皿		
39	NB:08:14:80	Terminal Unit		ターミナルユニット		
40	CB:07:59:00	Leg		脚		
41	CB:06:88:80	Plastic Rivet		プラスチックリベット		R
42	CB:60:94:00	Locking Pass		パースロック		兼録止メ
43	CB:60:78:40	Cap. V.C.P.	VCP-8	V.C.スキャップ		
44	CB:60:95:40	Damper		ダンプバー		
45	EI:03:00:80	Bind Head Tapping Screw	3×8 φ10ZMC2-Y	鉄バインドタッピングネジ		
46	EV:33:00:80	"	φPCM3-B1	"		
47	ED:33:01:40	Bind Head Screw	M3×14ZMC2-B1	鉄バインド小ネジ		
48	EI:33:01:40	Bind Head Tapping Screw	3×14ZMC2-B1	鉄バインドタッピングネジ		
49	EN:93:70:10	"	3×8 ()	鉄段付バインドタッピングネジ		type-III
50	EN:33:00:10	"	3×8(PCM3-B1)	鉄バインドタッピングネジ		type-II
51	EV:20:03:00	Plain Washer	M3(ZMC2-Y)	平座金		
52	ED:33:00:60	Bind Head Screw	3×6(ZMC2-B1)	鉄バインド小ネジ		
53	CB:60:76:30	Hinge		ヒンジ		
		Accessories Assembly		付属品Ass'y		M-70
	Mi:08:17:90	Pin Cord	1m	ピンコード		

※ : New Parts (新部品)

■PARTS LIST (Circuit Board)

Ref. No.	Part No.	Description	(部 品 名)	Remarks	Common model	Markets
C101	UA:25:41:00	Mylar Capacitor	0.01 μ F 50V(J)	マイラーコン		
C102	UW:97:81:00	Electrolytic Capacitor	100 μ F 6.3V	ケミコン		
C107	UW:83:73:30	"	33 μ F 15V	"		
C110	UA:55:81:00	Mylar Capacitor	1 μ F 50V(J)	マイラーコン		
C116	F:FC3B:34:10	"	0.01 μ F 50V(K)	"		
C117	FT:56:43:30	Polypropylene Capacitor APS	0.033 μ F 100V(G)	ポリプロコン		
C118	FT:66:51:20	"	0.12 μ F 100V(G)	"		
C120	FU:35:16:80	Mica Capacitor FE	680pF 500V(J)	マイカコン		
C124	UA:25:44:70	Mylar Capacitor	0.047 μ F 50V(J)	マイラーコン		
C127	FT:51:26:80	Polypropylene Capacitor NP	680pF 50V(K)	ポリプロコン		
C128	FU:36:15:60	Mica Capacitor FE	56pF 500V(J)	マイカコン		
C133	UA:25:51:00	Mylar Capacitor	0.1 μ F 50V(J)	マイラーコン		
C133	UA:25:41:00	"	0.01 μ F 50V(J)	"		
C135	UA:25:41:20	"	0.012 μ F 50V(J)	"		
C137	UA:25:33:30	"	0.0033 μ F 50V(J)	"		
C140	FZ:00:30:10	B.P. Capacitor	2.2 μ F 25V	BPコン		
C141	UW:86:81:00	Electrolytic Capacitor	1 μ F 80V	ケミコン		
C142	FT:51:21:20	Polypropylene Capacitor NP	120pF 50V(K)	ポリプロコン		
C148	FT:51:22:20	"	220pF 50V(K)	"		
C149	FU:35:21:00	Mica Capacitor FE	100pF 500V(J)	マイカコン		
C149	UA:55:61:00	Mylar Capacitor	1 μ F 50V(J)	マイラーコン		
C154	UA:25:31:00	"	0.001 μ F 50V(J)	"		
C155	FT:66:41:60	Polypropylene Capacitor APS	0.016 μ F 100V(G)	ポリプロコン		
C157	UA:25:31:50	Mylar Capacitor	0.0015 μ F 50V(J)	マイラーコン		
C158	FT:66:45:60	Polypropylene Capacitor APS	0.056 μ F 100V(G)	ポリプロコン		
C161	FU:35:12:20	Mica Capacitor FE	22pF 500V(J)	マイカコン		
C165	FU:35:14:70	"	47pF "	"		
C166	FT:51:22:20	Polypropylene Capacitor NP	220pF 50V(K)	ポリプロコン		
C168	UA:25:41:00	Mylar Capacitor	0.01 μ F 50V(J)	マイラーコン		
C168	UA:25:44:70	"	0.047 μ F 50V(K)	"		
C171	FT:51:25:80	Polypropylene Capacitor NP	560pF 50V(K)	ポリプロコン		
C172	FU:35:16:80	Mica Capacitor FE	56pF 500V(J)	マイカコン		
C174	UA:25:54:70	Mylar Capacitor	0.47 μ F 50V(J)	マイラーコン		
C176	UA:25:41:00	"	0.01 μ F 50V(J)	"		
C179	UA:25:43:30	"	0.033 μ F "	"		
C180	UA:25:43:30	"	"	"		
C181	UA:25:39:10	"	0.0091 μ F "	"		
C182	FZ:00:30:00	B.P. Capacitor	4.7 μ F 25V	BPコン		
C186	UW:86:61:00	Electrolytic Capacitor	1 μ F 50V	ケミコン		
C186	UW:95:84:70	"	470 μ F 35V	ケミコン		
C189	UA:55:58:80	Mylar Capacitor	0.66 μ F 50V(J)	マイラーコン		
C188	UA:55:61:00	"	1 μ F 50V(J)	"		
C199	UW:96:71:00	"	10 μ F 50V	ケミコン		
C203	FT:51:22:20	Polypropylene Capacitor NP	220pF 50V(K)	ポリプロコン		
C208	UA:25:51:00	Mylar Capacitor	0.1 μ F 50V(J)	マイラーコン		
C209	FU:35:21:00	Mica Capacitor FE	100pF 500V(J)	マイカコン		
C210	FT:51:23:30	Polypropylene Capacitor	330pF 50V(K)	ポリプロコン		
C211	FT:61:23:30	"	330pF 100V(K)	"		
C213	UA:25:31:00	Mylar Capacitor	0.001 μ F 50V(J)	マイラーコン		
C217	UA:25:41:00	"	0.01 μ F 50V(J)	"		
C221	UA:25:51:00	Mylar Capacitor	0.1 μ F 50V(J)	マイラーコン		
C228	UA:25:32:20	"	0.0022 μ F 50V(J)	"		

※ : New Parts (新部品)

Ref. No.	Part No.	Description	(部 品 名)	Remarks	Common model	Markets
C222	UA:25:45:60	Mylar Capacitor	0.066 μ F 50V(J)	マイラーコン		
C225	FU:35:11:50	Mica Capacitor FE	15pF 500V(J)	マイカコン		
C231	FU:35:13:30	"	33pF 500V(J)	"		
C233	FT:51:22:20	Polypropylene Capacitor NP	220pF 50V(K)	ポリプロコン		
C235	FU:35:12:20	Mica Capacitor FE	22pF 500V(J)	マイカコン		
C236	UA:25:44:70	Mylar Capacitor	0.047 μ F 50V(K)	マイラーコン		
C238	UA:25:31:00	Polypropylene Capacitor	0.001 μ F 250V	ポリプロコン		
C240	UA:55:61:00	Mylar Capacitor	1 μ F 50V(J)	マイラーコン		
C242	FC:34:61:10	"	1 μ F 50V(K)	"		
C244	UW:86:81:00	Electrolytic Capacitor	1 μ F 50V	ケミコン		
C245	UW:85:91:00	"	100 μ F 35V	"		
C247	UW:85:71:00	"	10 μ F 35V	"		
C248	UW:85:82:20	"	220 μ F 35V	"		
C249	UW:84:72:20	"	22 μ F 25V	"		
C251	UW:84:72:20	"	"	"		
C253	UW:84:72:20	"	"	"		
C254	UK:14:71:00	B.P. Capacitor	10 μ F 25V	BPコン		
C256	FG:44:44:70	Ceramic Capacitor	0.047 μ F 50V(Z)	セラコン		
C256	UA:25:32:20	Mylar Capacitor	0.0022 μ F 50V(J)	マイラーコン		
C256	FG:44:41:00	Ceramic Capacitor	0.01 μ F 50V(Z)	セラコン		
C259						
C264						
L101	GE:90:03:30	Choke Coil for Ferrite Shield Type	220 μ H	フェライトシールドタイプ チョークコイル		
R101	HJ:35:51:20	Carbon Resistor	120 Ω RD25	カーボン抵抗		
R103	HJ:57:31:00	Metal Film Resistor	1 Ω SN14K2E(F)	金属膜抵抗		
R106	HJ:35:62:20	Carbon Resistor	2.2K Ω RD25	カーボン抵抗		
R110	HJ:57:33:90	Metal Film Resistor	3.9 Ω SN14K2E(F)	金属膜抵抗		
R111	HJ:35:71:00	Carbon Resistor	1K Ω RD25	カーボン抵抗		
R112	HJ:35:71:20	"	12K Ω	"		
R113	HL:31:61:80	Metal Oxide Film Resistor	1.8K Ω 1P	酸化膜抵抗、フオーミング		
R123	HJ:35:41:20	Carbon Resistor	12 Ω RD25	カーボン抵抗		
R125	HJ:35:72:70	"	27K Ω	"		
R125	HJ:35:43:90	"	39 Ω	"		
R131	HJ:35:43:90	"	29K Ω	"		
R135	HJ:57:62:20	Metal Film Resistor	2.2K Ω SN14K2E(F)	金属膜抵抗		
R136	HJ:35:44:70	Carbon Resistor	47 Ω RD25	カーボン抵抗		
R136	HJ:57:78:20	Metal Film Resistor	82K Ω SN14K2E(F)	金属膜抵抗		
R141	HU:57:73:90	"	39K Ω	"		
R142	HJ:35:71:00	Carbon Resistor	18K Ω RD25	カーボン抵抗		
R143	HJ:35:61:20	"	1.2K Ω	"		
R145	HJ:35:51:20	"	120 Ω	"		
R152	HJ:35:71:00	"	10K Ω	"		
R153	HJ:35:51:00	"	100 Ω	"		
R155	HJ:35:64:70	"	4.7K Ω	"		
R157	HJ:35:45:60	"	56 Ω	"		
R158	HJ:35:62:20	"	2.2K Ω	"		
R171	HJ:35:66:80	"	5.6K Ω	"		
R173	HJ:35:52:70	"	220 Ω	"		
R174	HJ:35:82:70	"	270K Ω	"		
R175	HJ:35:74:70	"	47K Ω	"		

※ : New Parts (新部品)

Ref. No.	Part No.	Description	(部 品 名)	Remarks	Common model	Markets
R178	HJ 35 72 20	Carbon Resistor	22K Ω RD25	カーボン抵抗		
R180	HJ 35 63 90	"	3.9K Ω "	"		
R181	HJ 35 82 70	"	270K Ω "	"		
R182	HJ 35 81 00	"	100K Ω "	"		
R185	HJ 35 81 00	"	100K Ω "	"		
R186	HJ 35 51 00	"	100 Ω "	"		
R187	HJ 35 74 70	"	4.7K Ω "	"		
R188	HJ 35 52 20	"	220 Ω "	"		
R189	HJ 35 92 20	"	2.2M Ω "	"		
R191	HJ 35 51 00	"	100 Ω "	"		
R192	HJ 35 71 80	"	18K Ω "	"		
R193	HJ 35 71 80	"	18K Ω "	"		
R198	HJ 35 71 80	"	18K Ω "	"		
R205	HJ 31 62 20	Metal Oxide Film Resistor	2.2K Ω 1P	酸化抵抗, フォーミング		
R207	HJ 35 51 20	Carbon Resistor	120 Ω RD25	カーボン抵抗		
R209	HJ 35 71 80	"	18K Ω "	"		
R210	HJ 35 71 80	"	18K Ω "	"		
R211	HU 57 51 00	Metal Film Resistor	100 Ω SN14K2E(F)	金属被膜抵抗		
R212	HJ 35 51 00	Carbon Resistor	100 Ω RD25	カーボン抵抗		
R213	HU 57 64 70	Metal Film Resistor	4.7K Ω SN14K2E(F)	金属被膜抵抗		
R214	HU 57 64 70	"	4.7K Ω SN14K2E(F)	"		
R215	HU 57 75 10	"	51K Ω "	"		
R216	HU 57 75 10	"	51K Ω "	"		
R217	HU 57 64 30	"	4.3K Ω "	"		
R219	HJ 35 71 80	Carbon Resistor	18K Ω RD25	カーボン抵抗		
R220	HJ 35 71 80	"	18K Ω RD25	"		
R221	HJ 35 61 50	"	1.5K Ω "	"		
R222	HJ 35 61 50	"	1.5K Ω "	"		
R223	HJ 35 51 80	"	180 Ω "	"		
R224	HJ 35 51 80	"	180 Ω "	"		
R227	HJ 35 66 80	"	6.8K Ω "	"		
R231	HJ 35 51 20	"	120 Ω "	"		
R232	HJ 35 51 20	"	120 Ω "	"		
R233	HJ 35 51 20	"	120 Ω "	"		
R234	HJ 35 51 20	"	120 Ω "	"		
R235	HJ 35 74 70	"	47K Ω "	"		
R236	HJ 35 46 80	"	68 Ω "	"		
R237	HJ 35 46 80	"	68 Ω "	"		
R241	HJ 35 61 00	"	1K Ω "	"		
R242	HJ 35 61 00	"	1K Ω "	"		
R243	HJ 35 61 00	"	1K Ω "	"		
R244	HJ 35 61 00	"	1K Ω "	"		
R245	HJ 35 63 30	"	3.3K Ω "	"		
R246	HJ 35 53 30	"	330 Ω "	"		
R247	HJ 35 53 30	"	330 Ω "	"		
R248	HJ 35 81 00	"	100K Ω "	"		
R249	HJ 35 81 00	"	100K Ω "	"		
R251	HJ 35 65 60	"	5.6K Ω "	"		
R252	HJ 35 65 60	"	5.6K Ω "	"		
R253	HJ 35 65 60	"	5.6K Ω "	"		
R254	HJ 35 65 60	"	5.6K Ω "	"		
R255	HJ 35 65 60	"	5.6K Ω "	"		
R256	HJ 35 65 60	"	5.6K Ω "	"		
R257	HJ 35 81 00	"	100K Ω "	"		
R258	HJ 35 81 00	"	100K Ω "	"		
R259	HJ 35 51 00	"	100 Ω "	"		
R261	HV 35 42 20	Flame Proof Carbon Resistor	22 Ω RDF25SF	不燃化カーボン抵抗		
R262	HV 35 42 20	"	22 Ω RDF25SF	"		
R275	HJ 35 54 70	Carbon Resistor	470 Ω RD25	カーボン抵抗		
R276	HJ 35 54 70	"	470 Ω RD25	"		
R277	HJ 35 54 70	"	470 Ω RD25	"		
R278	HJ 35 54 70	"	470 Ω RD25	"		
R279	HJ 35 54 70	"	470 Ω RD25	"		
R282	HJ 35 51 50	"	56K Ω RD25	"		
R300	HJ 35 76 80	"	68K Ω "	"		
R301	HJ 35 76 80	"	68K Ω "	"		
R302	HJ 35 76 80	"	68K Ω "	"		
R303	HJ 35 51 00	"	100 Ω "	"		
R304	HJ 35 51 00	"	100 Ω "	"		
R305	HJ 35 84 70	"	4.7K Ω "	"		
R306	HJ 35 84 70	"	4.7K Ω "	"		
R307	HJ 35 76 90	"	68K Ω "	"		
R308	HJ 35 76 90	"	68K Ω "	"		
R309	HJ 35 51 00	"	100 Ω "	"		
R310	HJ 35 51 00	"	100 Ω "	"		
R311	HJ 35 81 50	"	150K Ω "	"		
R312	HJ 35 81 50	"	150K Ω "	"		
R313	HJ 35 53 90	"	390 Ω "	"		
R314	HJ 35 53 90	"	390 Ω "	"		
R315	HJ 35 53 90	"	390 Ω "	"		
R317	HJ 35 71 80	"	18K Ω "	"		
R318	HJ 35 71 80	"	18K Ω "	"		
R319	HJ 35 71 80	"	18K Ω "	"		
R321	HJ 35 43 30	Carbon Resistor	33 Ω RD25	カーボン抵抗		
R322	HJ 35 43 30	"	33 Ω RD25	"		
R323	HJ 35 51 00	"	100 Ω "	"		
R324	HJ 35 51 00	"	100 Ω "	"		
R325	HJ 35 51 00	"	100 Ω "	"		
R326	HJ 35 51 00	"	100 Ω "	"		
R327	HJ 35 58 20	"	820 Ω "	"		
R328	HJ 35 58 20	"	820 Ω "	"		
R329	HJ 35 58 20	"	820 Ω "	"		
R330	HJ 35 58 20	"	820 Ω "	"		
R331	HJ 35 72 70	"	27K Ω "	"		
R332	HJ 35 72 70	"	27K Ω "	"		
R333	HJ 35 44 70	"	47 Ω "	"		
R334	HJ 35 44 70	"	47 Ω "	"		
R335	HJ 35 44 70	"	47 Ω "	"		
R336	HJ 35 44 70	"	47 Ω "	"		
R337	HJ 35 64 70	"	4.7K Ω "	"		
R338	HJ 35 64 70	"	4.7K Ω "	"		
R339	HJ 35 64 70	"	4.7K Ω "	"		
R340	HJ 35 64 70	"	4.7K Ω "	"		
R341	HJ 35 55 80	"	560 Ω "	"		

* : New Parts (新部品)

Ref. No.	Part No.	Description	(部 品 名)	Remarks	Conston model	Markets
TR101 TR102	D 07:86:00	Transistor	2SD786(Q,R,S)	トランジスタ		
TR103 TR104	B 07:37:00	*	2SB737(Q,R,S)	*		
TR105 TR106	IA 07:98:00	Dual Transistor	2SA798	デュアルトランジスタ	Inter-changeable (併用)	
*	IA 09:79:00	*	2SA979(F,G)	*		
TR109 TR110	IA 06:73:10	Transistor	2SA873A(C,D)	トランジスタ	Inter-changeable (併用)	
*	IA 10:15:30	*	2SA1015(Y,GR)	*		
TR111 -114	C 12:13:30	*	2SC1213A(C,D)	*	Inter-changeable (併用)	
*	C 18:15:80	*	2SC1815(Y,GR)	*		
TR115 TR116	C 23:20:10	*	2SC2320(E,F)	*		
TR117 TR118	IA 09:99:10	*	2SA999(E,F)	*		
TR119 TR120	C 12:13:30	*	2SC1213A(C,D)	*	Inter-changeable (併用)	
*	C 18:15:80	*	2SC1815(Y,GR)	*		
TR121 TR122	C 22:38:00	*	2SC2238(O,Y)	*		
*	C 22:75:00	*	2SC2275	*	Inter-changeable (併用)	
*	C 23:44:00	*	2SC2344(D,E)	*		
TR123 TR124	IA 06:73:10	*	2SA873A(C,D)	*	Inter-changeable (併用)	
*	IA 10:15:30	*	2SA1015(Y,GR)	*		
TR125 TR126	IA 09:68:00	*	2SA968(O,Y)	*		
*	IA 09:85:00	*	2SA985	*	Inter-changeable (併用)	
*	IA 10:11:00	*	2SA1011(D,E)	*		
TR127 TR128	C 12:13:30	*	2SC1213A(C,D)	*	Inter-changeable (併用)	
*	C 18:15:80	*	2SC1815(Y,GR)	*		
TR129 TR130	IA 06:73:10	*	2SA873A(C,D)	*	Inter-changeable (併用)	
*	IA 10:15:30	*	2SA1015(Y,GR)	*		
TR131 TR132	IE 10:23:00	FET	2SK147(GR)	FET		
TR133 TR134	IE 20:04:20	*	2SJ72(GR)	*		
TR135 TR136	IA 07:98:00	Dual Transistor	2SA798	デュアルトランジスタ	Inter-changeable (併用)	
*	IA 09:79:00	*	2SA979(F,G)	*		
TR139 TR140	IA 06:73:10	Transistor	2SA673A(C,D)	トランジスタ	Inter-changeable (併用)	
*	IA 10:15:30	*	2SA1015(Y,GR)	*		
TR141 -144	C 12:13:30	*	2SC1213A(C,D)	*		
TR145 TR146	C 23:20:10	*	2SC2320(E,F)	*		
TR147 TR148	IA 09:99:10	*	2SA999(E,F)	*		
TR149 TR150	C 22:38:00	*	2SC2238(O,Y)	*		
*	C 22:75:00	*	2SC2275	*	Inter-changeable (併用)	
*	C 23:44:00	*	2SC2344(D,E)	*		
TR151 TR152	IA 09:68:00	*	2SA968(O,Y)	*		
*	IA 09:85:00	*	2SA985	*	Inter-changeable (併用)	
*	IA 10:11:00	*	2SA1011(D,E)	*		
TR159 TR170	IE 10:27:00	Dual FET	2SK270(GR,BL)	デュアルFET		
TR171 TR172	IE 20:06:00	FET	2SJ90(GR,BL)	FET		
TR173 TR174	IA 09:99:10	Dual Transistor	2SA995	デュアルトランジスタ		
TR175 TR176	C 22:91:00	*	2SC2291	*		
TR177 TR178	IA 06:73:10	Transistor	2SA673A(C,D)	トランジスタ	Inter-changeable (併用)	
*	B 05:44:00	*	2SB544	*		
TR179 TR180	C 12:13:30	*	2SC1213A(C,D)	*	Inter-changeable (併用)	
*	D 04:00:00	*	2SD400	*		
TR181 TR182	B 06:31:00	*	2SB631(E,F)	*		
TR183 TR184	D 06:00:00	*	2SD600(E,F)	*		
TR185 TR186	C 23:20:10	*	2SC2320(E,F)	*		

※ : New Parts (新部品)

Ref. No.	Part No.	Description	(部 品 名)	Remarks	Common model	Markets
* SW104	KA 90 27 90	Solenoid Switch	4-2	ソレノイドFSW		
* RY101 -104	KC 00 12 90	Relay	HB 24V	リレー		
* FJ101 FJ102	LB 40 09 70	Pin Jack	4P	ピンジャック		
FJ103	LB 80 42 20	"	6P	"		
* FJ104 FJ105	LB 40 09 90	"	4P	"		
	LA 00 23 80	Wrapping Terminal L Type	P=5 3P	L型ラッピング端子板		
	LA 00 23 70	"	P=5 4P	"		
	LB 00 30 30	Jumper Socket	3P	ジャンパーソケット		
	LB 00 30 50	"	5P	"		
* LB 00 30 80	"	"	6P	"		
LB 00 30 70	"	"	7P	"		
	LA 00 41 20	Test Point Pin		テストポイントピン		
* Mi 06 99 70		Cable	L=60 2P	パラレルケーブル		
Mi 07 03 20	"	"	L=80 4P	"		
* Mi 07 03 70	"	"	L=180 4P	"		
	LB 00 30 40	Jumper Socket	4P	ジャンパーソケット		
	LA 00 21 10	Wrapping Terminal i Type	P=5 2P	i型ラッピングピン		
	LA 00 25 40	"	P=5(0)2P	"		
* Mi 07 00 40		Cable	L=200 2P	パラレルケーブル		
Mi 07 27 10	"	"	L=280 3P	フラットケーブル		
* BB 06 97 30		Shield Plate		シールド板		
* CB 80 78 40		VCP Cap (Black)	VCP-8	VCPキャップ		

* : New Parts (新部品)

Ref. No.	Part No.	Description	(部 品 名)	Remarks	Common model	Markets
C805	UW:96:63:30	Electrolytic Capacitor	3.3 μ F 50V	ケミコン		
C808	UW:96:71:00	"	10 μ F 50V	"		
C807	UA:25:44:70	Mylar Capacitor	0.047 μ F 50V(J)	マイラーコン		
C808	FG:44:51:00	Ceramic Capacitor	0.1 μ F 50V(Z)	セラコン		
C809 C810	FU:35:11:50	Mica Capacitor FE	15pF 500V(J)	マイカコン		
C811 C812	FG:41:12:20	Ceramic Capacitor	22pF 50V(K)	セラコン		R,U,A,C
C813	UW:86:71:00	Electrolytic Capacitor	10 μ F 50V	ケミコン		
C814	UA:25:41:00	Mylar Capacitor	0.01 μ F 50V(J)	マイラーコン		
C815 C816	FG:44:51:00	Ceramic Capacitor	0.1 μ F 50V(Z)	セラコン		
C817	UW:86:71:00	Electrolytic Capacitor	10 μ F 50V	ケミコン		
C818	FG:44:51:00	Ceramic Capacitor	0.1 μ F 50V(Z)	セラコン		
C819	FG:41:11:50	"	15pF 50V(Z)	"		
C820 C821	UW:86:62:20	Electrolytic Capacitor	2.2 μ F 50V	ケミコン		
C814	UJ:45:84:70	"	470 μ F 35V	"		
C815	UJ:45:91:00	"	1000 μ F 35V	"		
C819 C817	FG:44:44:70	Ceramic Capacitor	0.047 μ F 50V(Z)	セラコン		
C818	UW:83:74:70	Electrolytic Capacitor	47 μ F 16V	ケミコン		
C819	UJ:43:83:30	"	330 μ F 16V	"		
C820 C821	UW:86:62:20	"	2.2 μ F 50V	"		
C823 C824	FG:44:42:20	Ceramic Capacitor	0.022 μ F 50V(Z)	セラコン		
C825	UW:86:71:00	Electrolytic Capacitor	10 μ F 50V	ケミコン		
R501	HJ:35:71:20	Carbon Resistor	12K Ω RD25	カーボン抵抗		
R501 R504	HJ:35:81:00	Carbon Resistor	100K Ω RD25	カーボン抵抗		
R505 R506	HJ:35:71:50	"	15K Ω "	"		
R507 R508	HJ:35:91:00	"	1M Ω "	"		
R509 R510	HJ:35:61:00	"	1K Ω "	"		
R511 R512	HJ:35:44:70	"	47 Ω "	"		
R513 R514	HJ:35:81:00	"	100K Ω "	"		
R515 R516 R518	HJ:35:64:70	"	4.7K Ω "	"		
R519 R524	HJ:35:71:50	"	15K Ω "	"		
R525 R526	HJ:35:91:00	"	1M Ω "	"		
R527 R530	HJ:35:65:60	"	5.6K Ω "	"		
R531 R532	HJ:35:91:00	"	1M Ω "	"		
R533 R534	HJ:35:44:70	"	47 Ω "	"		
R535 R536	HJ:35:72:20	"	22K Ω "	"		
R537 R538	HU:57:62:00	Metal Film Resistor	2K Ω SN14K2(F)	金属薄膜抵抗		
R539 R540	HU:57:61:10	"	1.1K Ω "	"		
R541 R542	HU:57:61:00	"	1K Ω "	"		
R543 R544	HU:57:61:50	"	1.5K Ω "	"		
R545 R546	HJ:35:41:00	Carbon Resistor	10 Ω RD25	カーボン抵抗		
R549 R552	HK:05:57:50	Carbon Resistor	750 Ω R28FSL	カーボン抵抗		
R553 R558	HJ:35:63:30	"	3.3K Ω RD25	"		
R557 R560	HJ:35:66:80	"	6.8K Ω "	"		
R561 R562	HJ:35:51:00	"	100 Ω "	"		
R563 R566	HU:57:65:60	Metal Film Resistor	5.6K Ω SN14K2(F)	金属薄膜抵抗		
R567 R570	HU:57:56:80	"	880 Ω "	"		
R571 R574	HU:57:48:20	"	82 Ω "	"		
R575 R576	HL:71:65:60	Metal Oxide Film Resistor	5.6K Ω 1P	"		
R577 R578	HJ:35:54:70	Carbon Resistor	470 Ω RD25	カーボン抵抗		
R579 R580	HJ:35:71:80	"	18K Ω "	"		

※ : New Parts (新部品)

Ref. No.	Part No.	Description	(部 品 名)	Remarks	Common model	Markets
R551 R552	HJ 35 48:20	Carbon Resistor	82Ω RD25	カーボン抵抗		
R553 R554	HJ 35 65:00	"	5.6KΩ "	"		
R555 R556	HJ 35 53:30	"	330Ω "	"		
R557 R558	HJ 35 51:20	"	120Ω "	"		
R559 R560	HJ 35 51:50	"	150Ω "	"		
R561 R562	HJ 35 45:60	"	56Ω "	"		
R563 R564	HJ 35 44:70	"	47Ω "	"		
R565 R566	HJ 35 72:20	Carbon Resistor	22KΩ RD25	カーボン抵抗		
R567 R568	HJ 35 71:00	"	10KΩ "	"		
R569 R570	HJ 35 63:30	"	3.3KΩ "	"		
R571 R572	HJ 35 91:00	"	1MΩ "	"		
R573 R574	HJ 35 73:30	"	33KΩ "	"		
R575 R576	HJ 35 51:00	"	100Ω "	"		
R577 R578	HJ 35 84:70	"	470KΩ "	"		
R579 R580	HJ 35 61:00	"	1KΩ "	"		
R581 R582	HJ 35 54:70	"	470Ω "	"		
R583 R584	HJ 35 64:70	"	4.7KΩ "	"		
R585 R586	HJ 35 66:80	"	6.8KΩ "	"		
R587 R588	HJ 35 42:20	"	22Ω "	"		
R589 R590	HJ 35 72:70	"	27KΩ "	"		
R643 R644	HL 32 46:80	Metal Oxide Film Resistor	68Ω 2P	酸化抵抗		
R645 R646	HJ 35 41:80	Carbon Resistor	18Ω RD25	カーボン抵抗		
R647 R648	HM 05 51:80	Cement Molded Resistor MO-4P	180Ω 5P	セメント抵抗		
R649 R650	HJ 35 72:20	Carbon Resistor	22KΩ RD25	カーボン抵抗		
R651 R652	HL 72 51:50	Metal Oxide Film Resistor	150Ω 2P	酸化抵抗, フォーミング		
R653 R654	HJ 35 72:70	Carbon Resistor	27KΩ RD25	カーボン抵抗		
R655 R656	HJ 35 71:50	"	15KΩ "	"		
R657 R658	HJ 35 51:00	"	100Ω "	"		
R659 R660	HV 35 41:00	Flame Proof Carbon Resistor	10Ω RDF25F	不燃化カーボン抵抗		
R661 R662	HJ 35 64:70	Carbon Resistor	4.7KΩ RD25	カーボン抵抗		
R663 R664	HV 35 44:70	Flame Proof Carbon Resistor	47Ω RDF25F	不燃化カーボン抵抗		
R665 R666	HJ 35 66:80	Carbon Resistor	6.8KΩ RD25	カーボン抵抗		
R667 R668	HU 57 72:70	Metal Film Resistor	27KΩ SN14K2E(F)	金属膜抵抗		
R669 R670	HU 57 73:30	"	33KΩ "	"		
R671 R672	HU 57 65:60	"	5.6KΩ "	"		
R673 R674	HJ 35 58:20	Carbon Resistor	820Ω RD25	カーボン抵抗		
R675 R676	HJ 35 61:50	"	1.5KΩ "	"		
R677 R678	HJ 35 63:90	"	3.9KΩ "	"		
R679 R680	HJ 35 72:70	"	27KΩ "	"		
R681 R682	HJ 35 64:70	"	4.7KΩ "	"		
R683 R684	HJ 35 62:20	"	220Ω "	"		
R685 R686	HJ 35 71:80	Carbon Resistor	18KΩ RD25	カーボン抵抗		
R687 R688	HJ 35 62:20	"	220Ω "	"		
R689 R690	HJ 35 51:20	"	120Ω "	"		R.U.C
R691 R692	HL 72 53:90	Metal Oxide Film Resistor	150Ω 2P	酸化抵抗, フォーミング		
R693 R694	HJ 35 63:30	Carbon Resistor	3.3KΩ RD25	カーボン抵抗		

※ : New Parts (新部品)

Ref. No.	Part No.	Description	(部 品 名)	Remarks	Common model	Markets
R678	HL 32:55:80	Metal Oxide Film Resistor	560Ω 2P	酸化抵抗, フォーミング		
R680	HJ 35:83:30	Carbon Resistor	330KΩ RD25	カーボン抵抗		
R681	HJ 35:71:00	"	10KΩ "	"		
R682	HJ 35:82:20	"	220KΩ "	"		
R683	HL 32:62:20	Metal Oxide Film Resistor	2.2KΩ 2P	酸化抵抗, フォーミング		
R684	HV 35:44:70	Flame Proof Carbon Resistor	47Ω RDF25F	不燃化カーボン抵抗		
R685	HJ 35:91:00	Carbon Resistor	1MΩ RD25	カーボン抵抗		
R687	HJ 35:72:20	"	22KΩ "	"		
R688	HJ 35:82:70	"	2.7KΩ "	"		
R689	HJ 35:72:20	"	22KΩ "	"		
R693	HJ 35:75:60	Carbon Resistor	56KΩ RD25	カーボン抵抗		
R695	HJ 35:82:20	"	2.2KΩ "	"		
R696	HJ 35:71:20	"	12KΩ "	"		
R697	HU 57:56:80	Metal Film Resistor	68Ω SN14K2E(F)	金属膜抵抗		
R698	HU 57:61:00	"	1KΩ "	"		
R700						
R801	HJ 35:71:00	Carbon Resistor	10KΩ RD25	カーボン抵抗		
R807	HJ 35:81:00	"	100KΩ "	"		
R812	HJ 35:74:70	"	47KΩ "	"		
R819	HJ 35:81:00	"	100KΩ "	"		
R830	HJ 35:71:00	"	10KΩ "	"		
R831	HJ 35:71:00	"	10KΩ "	"		
R832	HJ 35:63:30	"	3.3KΩ "	"		
R833	HJ 35:71:00	"	10KΩ "	"		
R834	HJ 35:71:00	"	100KΩ "	"		
R835	HJ 35:81:00	"	100KΩ "	"		
R837	HJ 35:81:00	"	100KΩ "	"		
R838	HJ 35:74:70	"	47KΩ "	"		
R839	HJ 35:71:00	"	10KΩ "	"		
R840	HJ 35:61:50	"	1.5KΩ "	"		
R841	HJ 35:61:50	"	1.5KΩ "	"		
R842	HJ 35:73:30	"	33KΩ "	"		
R843	HJ 35:73:30	"	33KΩ "	"		
R844	HJ 35:84:70	"	4.7KΩ "	"		
R845	HJ 35:74:70	"	47KΩ "	"		
R846	HJ 35:82:20	"	220KΩ "	"		
R847	HJ 35:61:80	"	1.8KΩ "	"		
R848	HJ 35:66:80	"	6.8KΩ "	"		
R849	HJ 35:71:00	"	10KΩ "	"		
R850	HJ 35:74:70	"	47KΩ "	"		
R851	HJ 35:61:80	"	1.8KΩ "	"		
R852	HJ 35:61:80	"	1.8KΩ "	"		
R853	HJ 35:66:80	"	6.8KΩ "	"		
R854	HJ 35:61:50	"	1.5KΩ "	"		
R856	HL 31:61:50	Metal Oxide Film Resistor	1.5KΩ 1P	酸化抵抗, フォーミング		
R857	HL 72:53:90	"	390Ω 2P	"		
R858	HJ 35:65:60	Carbon Resistor	5.6KΩ RD25	カーボン抵抗		
R859	HJ 35:66:20	"	8.2KΩ "	"		
R890	HM 45:53:90	Cement Molded Resistor	390Ω 5P	セメント抵抗リード形		
R861	HJ 35:71:00	Carbon Resistor	10KΩ RD25	カーボン抵抗		
R862	HJ 35:71:20	"	12KΩ "	"		
R863	HJ 35:71:20	"	12KΩ "	"		
R8601	HW 59:48:20	Fuse Resistor	62Ω 1/4W	ヒューズ抵抗		
R8602	HW 59:51:20	"	120Ω 1/4W	"		A,G,B
R8603	HW 59:51:20	"	120Ω 1/4W	"		A,G,B
VR801	HS 41:15:50	Variable Resistor	200KΩ±10%×2 ±70KΩ×2	ボリューム		

* : New Parts (新部品)

Ref. No.	Part No.	Description	(部 品 名)	Remarks	Common model	Markets
VR502	HS:41:15:80	Variable Resistor	90KD特×4	ボリューム		
VR503	HS:41:15:70	"	20KD特×4	"		
VR504	HS:41:15:50	"	200KD特×2 1.70KD特×2	"		
VR505	HY:00:10:00	Semi Variable Resistor	TRM4V2-15 81KΩ	半固定ボリューム		
TR501 ~ 504	IC:17:40:00	Transistor	2SC1740(R,S)	トランジスタ		
"	IC:18:15:80	"	2SC1815(Y,GR)	"	Interchangeable (併用)	
"	IC:26:34:00	"	2SC2634	"		
TR505 TR506	IE:10:19:20	DualFET	μPA88H(L,M,N)	デュアルFET		
TR507 TR508	I:00:01:30	Dual Transistor	μPA75V	デュアルトランジスタ		
TR509 ~ 512	IA:10:15:30	Transistor	2SA1015(Y,GR)	トランジスタ	Interchangeable (併用)	
"	IA:06:73:10	"	2SA673A(C,D)	"		
TR513 TR514	IC:23:20:10	"	2SC2320(E,F)	"	Interchangeable (併用)	
"	IC:17:40:00	"	2SC1740(R,S)	"		
"	IC:26:34:00	"	2SC2634	"		
TR515 TR516	IC:27:05:00	"	2SC2705(O,Y)	"		
TR517 TR518	IA:09:33:00	"	2SA933(Q,R)	"	Interchangeable (併用)	
"	IA:09:99:10	"	2SA999(E,F)	"		
"	IA:11:27:00	"	2SA1127	"		
TR519 TR520	IC:18:15:80	"	2SC1815(Y,GR)	"	Interchangeable (併用)	
"	IC:12:13:30	"	2SC1213A(C,D)	"		
TR521 TR522	IA:11:45:00	"	2SA1145(O,Y)	"		
TR527 TR528	IC:18:09:00	"	2SC1809	"		
TR529 TR530	ID:04:38:00	"	2SD438(E,F)	"		
TR531 TR532	IB:05:80:10	"	2SB560(E,F)	"		
TR533 TR534	IC:23:20:10	"	2SC2320(E,F)	"		
"	IC:17:40:00	"	2SC1740(R,S)	"		
"	IC:26:34:00	"	2SC2634	"		
TR535	IC:09:82:00	"	2SC982	"		
TR536	IC:18:83:00	"	2SC1983	"	Interchangeable (併用)	
"	ID:10:52:00	"	2SD1052A	"		
TR537	ID:03:13:00	"	2SD313(E,F)	"	Interchangeable (併用)	
"	ID:08:80:10	"	2SD880(Y,GR)	"		
TR538	IB:05:07:00	"	2SB507(E,F)	"		
TR539	IA:09:99:40	"	2SA999(E)	"		
TR540 TR541	IC:23:20:10	"	2SC2320(E,F)	"		
TR542	ID:07:16:10	"	2SD716(R,O)	"		
TR543	IC:23:20:10	"	2SC2320(E,F)	"		
TR544 TR545	IE:10:26:00	FET	2SK246Y	FET		
TR546	IA:09:99:40	Transistor	2SA999(E)	トランジスタ		
TR547	ID:07:16:10	"	2SD716(R,O)	"		
TR548	IC:09:82:00	"	2SC982	"		
TR601 ~ 609	IC:23:24:00	Transistor	2SC2324K	トランジスタ	Interchangeable (併用)	
"	ID:05:49:00	"	2SD549YH	"		
TR607	IB:05:80:10	"	2SB560(E,F)	"		
TR608	ID:04:38:00	"	2SD438(E-F)	"		

※: New Parts (新部品)

Ref. No.	Part No.	Description	(部 品 名)	Remarks	Common model	Markets
TR809 -811	iC 23:20:10	Transistor	2SC2320(E,F)	トランジスタ		
	* iC 17:40:00	*	2SC1740(R,S)	*	} Inter-changeable (使用)	
	* iC 28:34:00	*	2SC2634	*		
TR812 TR813	iA 09:33:00	*	2SA933(Q,R)	*		
	* iA 09:99:10	*	2SA999(E,F)	*	} Inter-changeable (使用)	
	* iA 11:27:00	*	2SA1127	*		
TR814	iD 04:00:00	*	2SD400	*		
D501 D502 D503 -510	iF 00:15:10	Zener Diode	HZ-6CIL	ツェナーダイオード		
	iF 00:00:40	Diode	IS1555	ダイオード	} Inter-changeable (使用)	
	* iF 00:06:70	*	IS2473	*		
D511 D512	iF 00:07:90	Varistor Diode	MV12	バリスタ		
D513 D514	iF 00:00:40	Diode	IS1555	ダイオード	} Inter-changeable (使用)	
	* iF 00:06:70	*	IS2473	*		
	D515	iH 00:07:10	*	W06C	*	
D516	iF 00:37:30	Zener Diode	HZ-33-1	ツェナーダイオード		
	iF 00:30:40	*	HZ18-IL	*		
	D517 D518	iF 00:00:40	Diode	IS1555	ダイオード	
D520	iF 00:15:10	*	HZ-6CIL	*		
D521	iH 00:08:10	Bridge Diode	IB4B41	ダイオード、ブリッジ		
D522	iF 00:00:40	Diode	IS1555	ダイオード	} Inter-changeable (使用)	
	* iF 00:06:70	*	IS2473	*		
D523	iF 00:02:80	Zener Diode	WZ-210	ツェナーダイオード		
D524	iF 00:00:40	Diode	IS1555	ダイオード	} Inter-changeable (使用)	
	* iF 00:06:70	*	IS2473	*		
D525 D526	iH 00:07:10	*	W06C	*		
D527 D529	iF 00:00:40	*	IS1555	*	} Inter-changeable (使用)	
	* iF 00:06:70	*	IS2473	*		
D801 -806	iF 00:14:00	Diode	ISS82	ダイオード		
D807	iF 00:16:00	Zener Diode	HZ-18-3	ツェナーダイオード		
	D808	iF 00:35:00	*	HZ-36-1	*	} Inter-changeable (使用)
	* iF 00:09:20	*	RD35E-C	*		
D809 D810	iF 00:14:00	Diode	ISS82	ダイオード		
	D811 D812	iF 00:05:50	Zener Diode	HZ12C	ツェナーダイオード	
D813	iF 00:00:40	Diode	IS1555	ダイオード	} Inter-changeable (使用)	
	* iF 00:06:70	*	IS2473	*		
D814	iF 00:34:80	Zener Diode	HZ3C-1	ツェナーダイオード		
D815	iF 00:00:40	Diode	IS1555	ダイオード	} Inter-changeable (使用)	
	* iF 00:06:70	*	IS2473	*		
D816	iH 00:07:10	*	W06C	*		
D817	iF 00:15:10	Zener Diode	HZ-6CIL	ツェナーダイオード		
D818 D819	iF 00:10:40	Diode	IS1555	ダイオード	} Inter-changeable (使用)	
	* iF 00:06:70	*	IS2473	*		
D820	iF 00:25:00	Zener Diode	HZ-16-2	ツェナーダイオード		
IC601 IC602 IC603 IC604 IC605 -608 IC601 IC602 IC603 IC604	iG 04:00:00	IC	NJM4560	IC		
	iG 08:29:00	*	NJM2041DD	*		
	iG 04:00:00	*	NJM4560	*		
	iG 00:11:70	*	TC4001BP	*		
	iG 00:12:40	*	TC4011P	*		
	iG 00:11:80	*	TC4013BP	*		

※ : New Parts (新部品)

Ref. No.	Part No.	Description	(部 品 名)	Remarks	Common model	Markets
※ SW501 SW502	KA:80:28:30	Push Switch SUN	4-2 NS	ブッシュSW		
※ SW503	KA:90:28:20	Magnet Switch	8-2 NR	マグネットSW		
※ SW504	KA:80:28:30	Push Switch SUN	4-2 NS	ブッシュSW		
F501	KB:00:02:10	Fuse	T1.0A 12EV	ヒューズタイラッシュ		J
"	KB:00:03:10	"	T0.5A 250V	"		A
"	KB:00:03:30	"	T1.0A 250V	"		R
"	KB:00:06:50	"	T315mA 250V	ヒューズタイムラグ		G,B
"	KB:00:10:60	"	1.0A 250V	ヒューズUL ST-4		U,C
F502	KB:00:03:10	"	T0.5A 250V	ヒューズタイラッシュ		R
※ RV501 504	KC:00:12:90	Relay	24V HB	リレー		
※ JK501	LB:30:15:20	Phone Jack With Break Switch	65H	ホーンジャック ブレイクスイッチ付品		
※ PJ501	LB:40:09:70	Pin Jack	4P	ピンジャック		
	LA:00:21:10	Wrapping Terminal	P=5 2P	型ラッピング端子板		
	LA:00:21:40	"	P=10 2P	"		
	LA:00:25:40	"	P=5(0) 2P	"		
	LA:00:25:80	"	P=7.5(0) 2P	"		
	LB:00:30:30	"	3P	ジャンパーソケット		
	LB:00:30:40	"	4P	"		
	LB:00:30:50	"	5P	"		
	LB:00:30:60	"	6P	"		
	LB:00:30:70	"	7P	"		
※	LB:20:19:70	Fuse Folder Pin	23165081	ヒューズホルダピン		R,U,A,C
	LB:20:10:60	"	YSHS403T	"		G,B
※	Mi:06:99:70	"	ℓ=60 2P	バラレルケーブル		
※	Mi:07:00:10	"	ℓ=140 2P	"		
※	Mi:07:01:60	"	ℓ=100 3P	"		
※	Mi:07:03:40	"	ℓ=120 4P	"		
	CB:06:92:50	Binding Tie	BK-1	インシュロックタイ		
	BA:07:72:90	Heat Sink		放熱板		
※	BA:08:24:20	"		"		
	BB:08:83:70	Metal Fitting		アース金具		
	CB:60:12:50	Holder		基板ホルダー		
	EN:33:00:10	Bind Head Tapping Screw	3×8(FCM3-Bℓ)	銀バインドタッピングネジ 3×8 2種ミソ		
	ED:82:61:00	Bind Head Screw	M2.6×10	銀バインド小ネジ		
※	EV:30:32:80	Spring Washer	M2.6(FCM3-Bℓ)	M2.6用スプリングワッシャー	FCM3-Bℓ	
	EV:20:32:60	Flat Washer	M2.6()	M2.6用平ワッシャー-ミカキ丸	FCM3-Bℓ	

※ : New Parts (新部品)