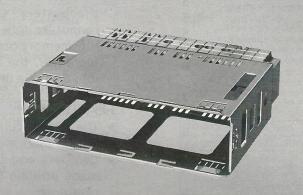
Service Manual AUTO PRODUCTS

CY-AM100/AM50EN

POWER AMPLIFIER



SPECIFICATIONS*

CY-AM50EN

Power Supply:

12 V DC (11 V~16 V), Test Voltage 14.4 V,

Negative Ground

Current Consumption: Less than 1.7 A

(at 0.5 W output)

Maximum Power

Output:

25 W (per channel at 400Hz volume control maximum)

Speaker Impedance:

Pre-amplifier Output

Voltage:

0.6 V (ref. level: 0 dB)

 $4\Omega (4\sim 8\Omega \text{ available})$

Frequency Response:

20 Hz~40kHz, ±3 dB

Signal to Noise Ratio:

78 dB (IHF A)

Dimensions (W × H × D): 182 mm × 52 mm × 150 mm

Weight:

0.6kg

CY-AM100EN

Power Supply:

12 V DC (11 V~16 V).

Test Voltage 14.4 V,

Negative Ground

Current Consumption: Less than 2.5 A

(at 0.5 W output)

Maximum Power

Output:

50 W (per channel at 400Hz

volume control maximum)

Speaker Impedance:

 $4\Omega (4\sim 8\Omega \text{ available})$

Frequency Response:

20 Hz~40kHz, ±3 dB

Signal to Noise Ratio: 78 dB (IHF A)

Dimensions (W \times H \times D): 182 mm \times 52 mm \times 150 mm

Weight:

0.6ka

Specications and the design are subject to possible modification without notice due to improvements.

CY-AM100/AM50EN

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FUSE REPLACEMENT

Be sure to use a fuse of specified rating (10A \cdot 5A \cdot 1A) when replacing a blown fuse.

Fuses rated at higher capacity, use of any substitute, or connection without a fuse may result in a fire hazard or damage to the unit.

If the replacement fuse fails, contact your nearest authorized **Panasonic** Service Center.

CAUTION:

Connect the BATTERY LEAD (yellow) direct to the battery. Otherwise, memory settings cannot be done or it will have a bad effect on the memory circuit.

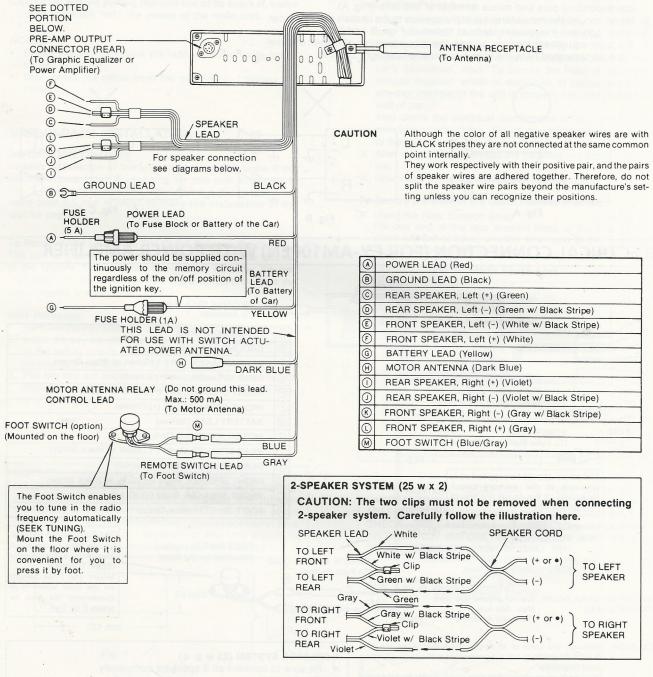
Moreover, the memory back-up battery (built into the main unit) will deteriorate quickly.

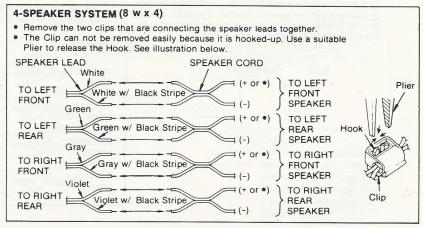
FEATURES

- The BTL circuit adopted is added with the output short protection circuit.
- Compact and lightweight physical design is made possible by use of ICs with low thermal resistance.
- Amplifier power ON/OFF operation is controlled by the power switch mounted on the main unit.
- Quick-release type stealing prevention device is adopted for ease of main unit mounting and removal.

DIMENSIONS

ELECTRICAL CONNECTION (FOR CY-AM50EN) WITH POWER AMPLIFIER

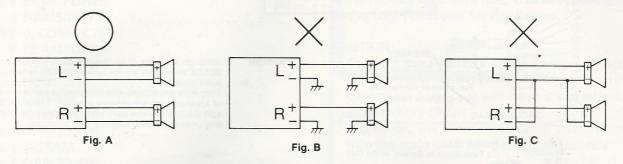




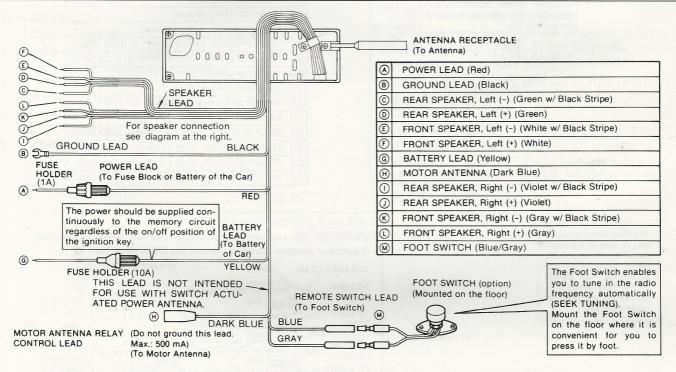
CY-AM100/AM50EN

Important Instructions for Installation

- 1. The plus and minus terminals of the speaker should be connected to the corresponding plus and minus terminal of this unit. (Fig. A)
- 2. Never ground the minus terminal of the speaker to the chassis or body of car.
- 3. Never connect the speaker leads as shown in Figs. B and C.
- If a fader equipment (option) is used, the minus terminal of the left channel must be separated from the minus terminal of the right channel.



ELECTRICAL CONNECTION (FOR CY-AM100EN) WITH POWER AMPLIFIER



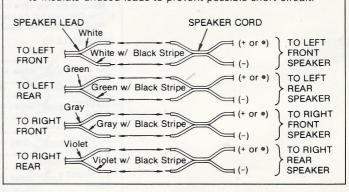
CAUTION Although the color of all negative speaker wires are with BLACK stripes they are not connected at the same common point internally.

They work respectively with their positive pair, and the pairs of speaker wires are adhered together. Therefore, do not split the speaker wire pairs beyond the manufacture's setting unless you can recognize their positions.

4-SPEAKER SYSTEM (25 W x 4)

• Be sure to connect all 4 speakers completely.

 If it should be necessary to connect only 2 speakers, make sure to insulate unused leads to prevent possible short-circuit.



INSTALLATION

CAUTION: Before pulling the unit out of its bracket, make sure to switch "off" the power of the main unit.

NOTES:

- Before installation check the radio operation with antenna and speakers.
- Disconnect the cable from the negative (-) battery terminal.

UNIT IN-DASH INSTALLATION

Installation Opening

In-dash installation of the unit can be possibly done if the car's dashboard has an opening for this unit as shown in Fig. 1. The car's dashboard should have a thickness of not more than 5.5 mm in order to make the installation of the unit be possible.

To Remove The Unit From The Quick Release Bracket

The unit is inserted and locked in the quick release bracket at the factory. The unit can be released by using the key (supplied with this unit). The key is placed on the top of the quick release bracket. See Fig. 2.

Unit Removal:

- 1. Remove the key from the quick release bracket.
- 2. Insert the key into the key hole. (Fig. 2, 1) completely until the safety lock is released. As a result, the handle will be slightly lifted upward. (Fig. 2, 2).
- Pull the key out and then lift the handle. Remove the unit from the quick release bracket by pulling the handle firmly. (Fig. 2, 3)

NOTE: For installation to cars equipped with trip or navigational computer, all electronic memory settings previously registered on the computer would fade out when the battery terminal is disconnected. For this type of car, battery could not be disconnected (unless necessary) thus. wiring connection and installation of this unit should be carefully done and short-circuit should be avoided.

Installation Procedures

- Insert the quick release bracket into the car's dashboard and bend the mounting springs correspondingly by means of a screwdriver, as shown in Fig. 2.
- Before final mounting the quick release bracket to the car's dashboard, read "To Secure the Rear of the quick release bracket" which is explained at below and check whether the rear of the unit is properly secured to the fire wall of car.

Also check the electrical connections by referring to this installation instructions. Mount the quick release bracket to the car's dashboard as shown in Fig. 2.

- After installation reconnect the negative (-) battery terminal.
- 4. Now insert the unit into the quick release bracket.

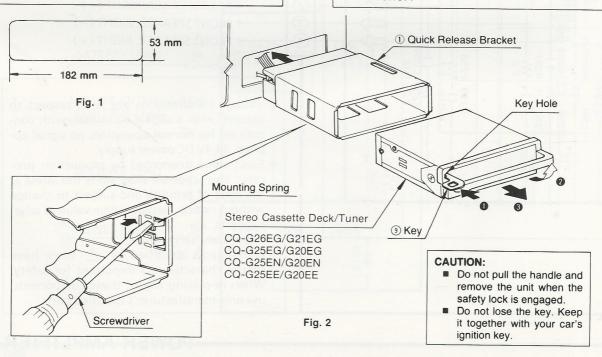
To Secure the Rear of the Quick Release Bracket.

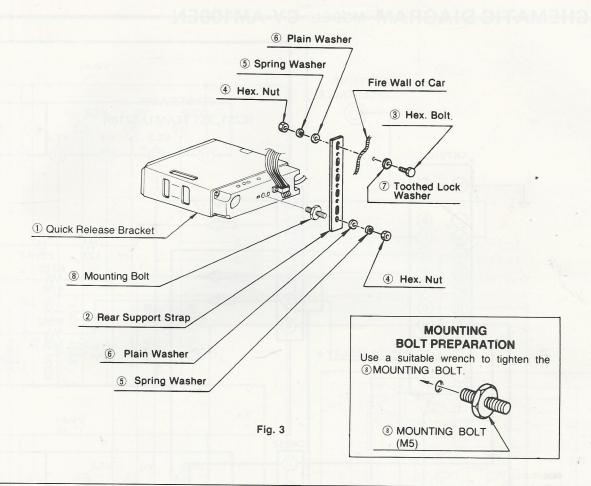
Using the Rear Support Strap
(See Fig. 3)
Fix one end of the rear support strap to the rear of the quick release bracket, and the other end to the Fire Wall of Car, or some other solid area.

Installation Parts List

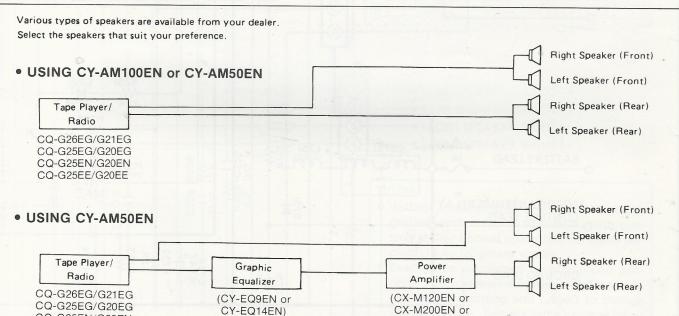
Illust No.	Description		Q'ty
1	Quick Release Bracket		1
2	Rear Support Strap	9	1
3	Hex. Bolt (5mm $\phi \times 25$ mm)		1
4	Hex. Nut $(5\text{mm}\phi)$		2
5	Spring Washer (5mm ϕ)		2
6	Plain Washer $(5mm\phi)$		2
7	Toothed Lock Washer $(5mm\phi)$		1
8	Mounting Bolt		1
9	Key		2

IF THE RADIO RECEPTION IS NOT OBTAINED SATISFACTORILY, THERE IS A POSSIBILITY THAT THE ANTENNA CONNECTION WAS NOT DONE PROPERLY. CHECK THE ANTENNA CONNECTION AND ITS INSTALLATION BEFORE BRINGING THE UNIT TO A REPAIR SHOP.









CX-M400EN)

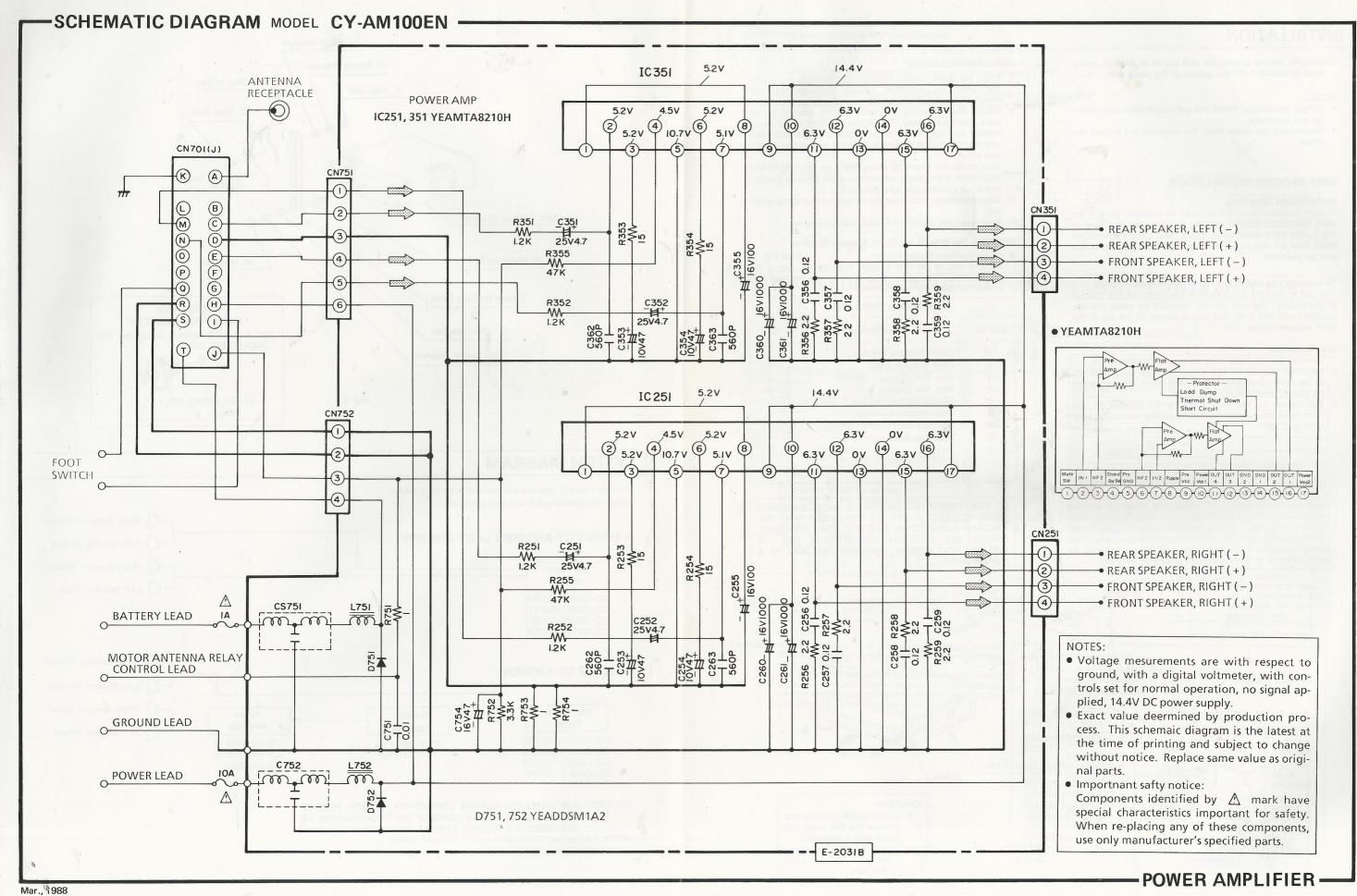
CAUTION: FOR 2-SPEAKER SYSTEM CONNECTION, DO NOT REMOVE THE TWO CLIPS. PLEASE CONNECT THE TWO SPEAKERS AS DESCRIBED IN 2-SPEAKER SYSTEM (CY-AM50EN ONLY).

NOTE: In addition to the above system diagrams, please

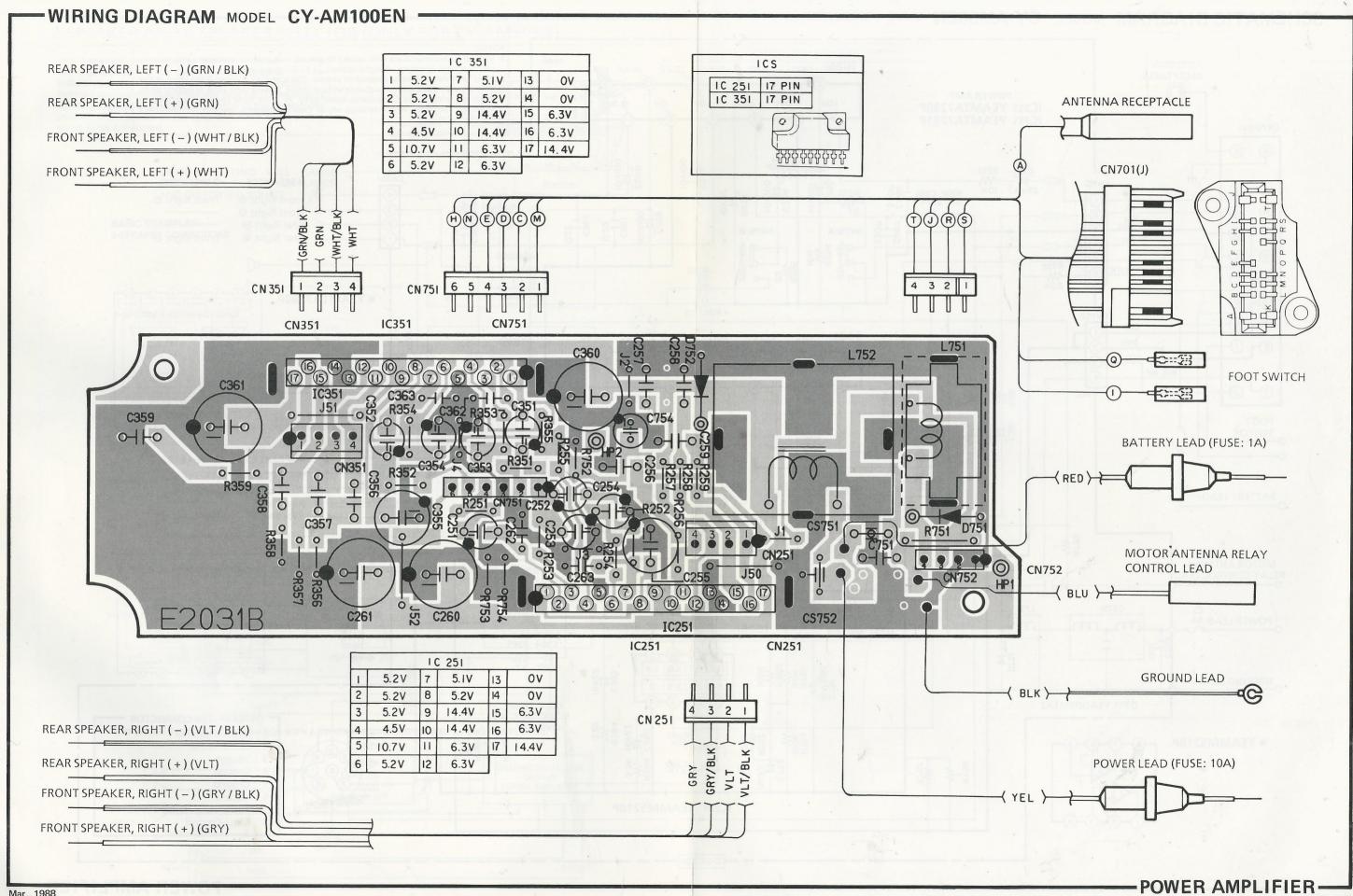
consult your dealer.

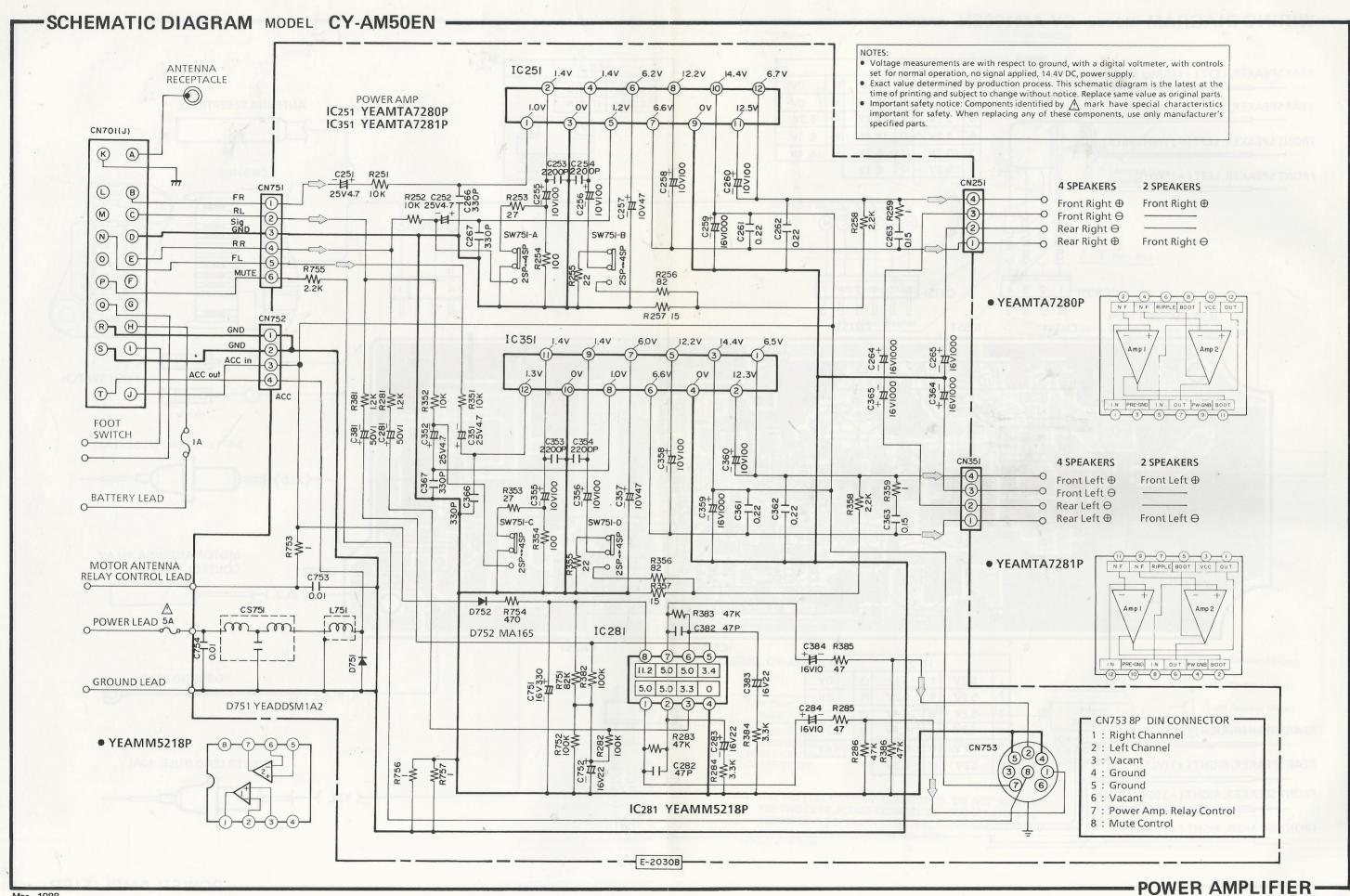
CQ-G25EN/G20EN

CQ-G25EE/G20EE

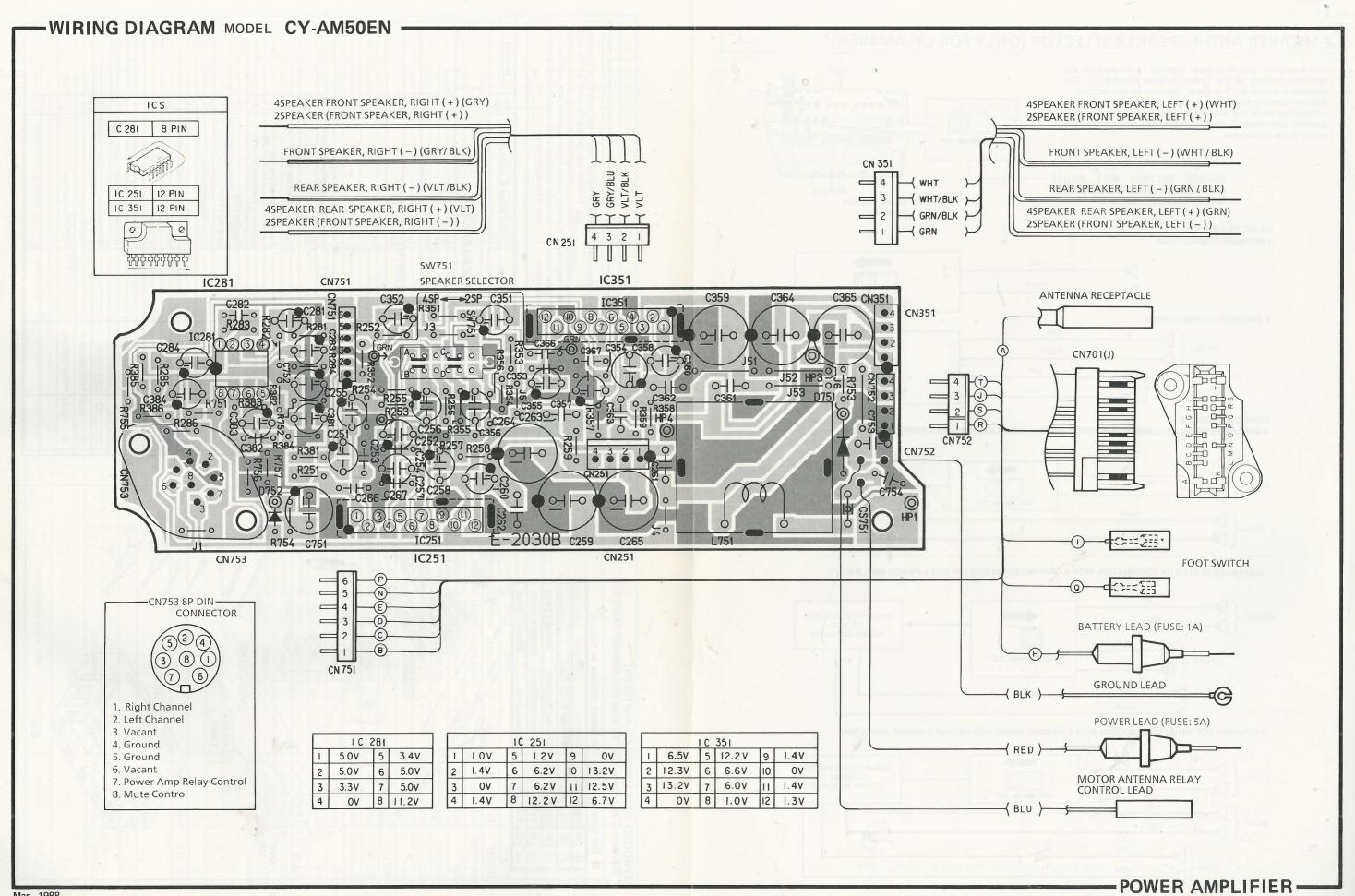


CY-AM100/AM50EN CY-AM100/AM50EN





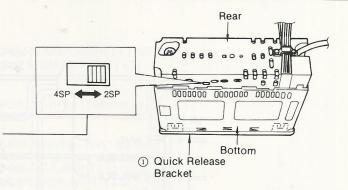
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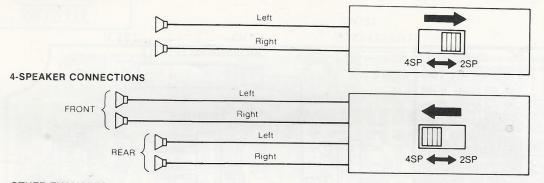
2-SPEAKER AND 4-SPEAKER SELECTOR (ONLY FOR CY-AM50EN)

The 2-speaker and 4-speaker selector is located on the rear-side bottom of the Quick Release Bracket ①. The selector is preset at "2-speaker" position in the factory. Before installing the Quick Release Bracket ①, be sure to set the 2-speaker and 4-speaker selector to the appropriate position with respect to the speaker system that you are going to be connected.

WRONG SETTING WILL CAUSE FRONT/REAR FADER IMBALANCE AND DISTORTED SOUND.

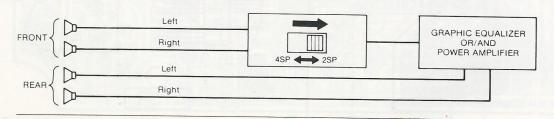


BASIC EXAMPLES: 2-SPEAKER CONNECTIONS

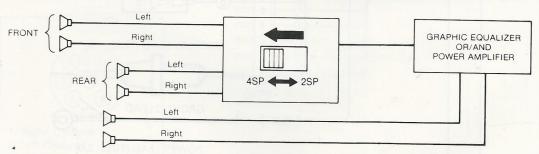


OTHER EXAMPLES:

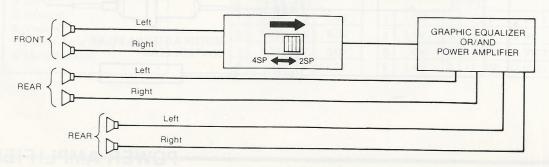
4-SPEAKER SYSTEM (IN COMBINATION WITH A GRAPHIC EQUALIZER OR/AND A POWER AMPLIFIER)



6-SPEAKER SYSTEM (IN COMBINATION WITH A GRAPHIC EQUALIZER OR/AND A POWER AMPLIFIER)

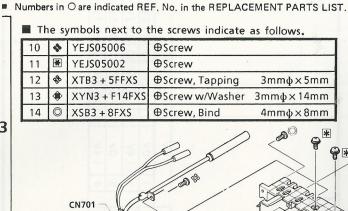


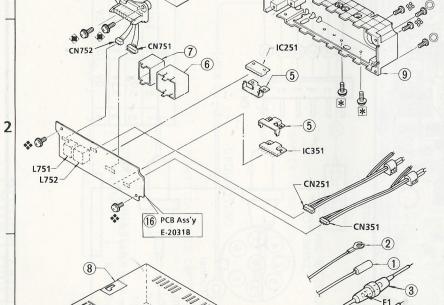
6-SPEAKER SYSTEM (IN COMBINATION WITH A GRAPHIC EQUALIZER OR/AND A POWER AMPLIFIER)



EXPRODED VIEW (Model CY-AM100EN)

A





Replacement Parts List Model NO. CY-AM100EN

NOTES:

- according to this list.
- 2. Important safety notice: Components identified by A mark have special characteristics important 4. Printed circuit board assembly with mark (NLA) is for safety. When replacing any of these components, use only manufacturer's specified parts.
- 1. Be sure to make your orders of replacement parts 3. Next to the Ref. No. in the parts list is a location key, to show the general location of the parts shown in the exploded drawing, as in a road map.
 - no longer available after production discontinuation of the complete set.

Ref. No.		Part No.	Part Code Part Name & Description		Pcs set	Remarks
			MISCEL	LANEOUS		
<u></u> AF1	(1-B)	XBB1C10NR1		Fuse 1A	1	
<u>_</u> F2	(1-B)	XBB1F100NR1		Fuse 10A	1	
CN251	(2-B)	YEAJ03789		Speaker Cord	1	
CN351	(2-B)	YEAJ03799		Speaker Cord	1	
CN701	(3-A)	YEAJ02418		Connector	1	
CN751						
CN752		ALLE BY				
1	(1-B)	YEAJ12031		Motor Antenna Relay Control Lead	1	
2	(2-B)	YEAJ09222		Ground Lead	1	
3	(1-B)	YEAJ011022		Power Lead w/Fuse 1A	1	
4	(1-B)	YEAJ011023		Battery Lead w/Fuse 10A	1	
5	(2-B)	YEFX0211338		Mounting Bracket IC251/351	2	
6	(2-A)	YEFA13689A		Case for L752	1	
7	(2-A)	YEFA13504		Case for L751	1	
8	(1-A)	YEFG012166B		Quick Release Bracket	1	
9	(2-B)	YEFF01538		Heat Sink	1	
10	*	YEJS05006		⊕Screw	2	
11	*	YEJS05002	10	⊕Screw	4	
12	080	XTB3 + 5FFXS		⊕Screw Tapping 3mm × 5mm	5	
13	•	XYN3 + F14FXS		⊕Screw w/Washer 3mm×14mm	2	
14	0	XSB3 + 8FXS		⊕Screw Bind 3mm x 8mm	3	
15	(3-B)	YAFX106042		Cord Clamper	1	
16	(2-A)	YEP0PT2031A0		PCB w/Component	1	NLA

2000	
1	
2500	

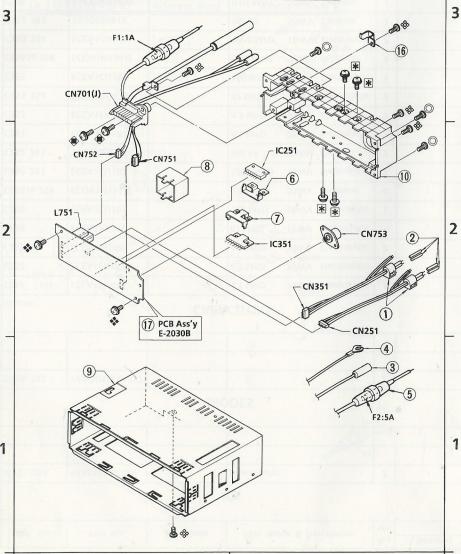
Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks	Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
			ICs			(E2031B)		RES	ISTORS		
IC251, 351	YEAMTA8210H		Power Amp	2		R251, 252	ERDS2TJ122	-	1.2k ohms 1/4W Carbon	2	
			Have the same of t			R253, 254	ERDS2TJ150		15 ohms 1/4W Carbon	2	
			State Rolling For Line			R255	ERDS2TJ473		47k ohms 1/4W Carbon	1	
			A 6	62=14		R256 to 259	ERDS2TJ2R2		2.2 ohms 1/4W Carbon	4	1
		DIC	ODES			R351, 352	ERDS2TJ122		1.2k ohms 1/4W Carbon	2	
D751, 752	YEADDSM1A2T7		Annual Committee	2		R353, 354	ERDS2TJ150		15 ohms 1/4W Carbon	2	
	A STATE OF	7				R355	ERDS2TJ473		47k ohms 1/4W Carbon	1	
				137		R356 to 359	ERDS2TJ2R2		2.2 ohms 1/4W Carbon	4	
M.	- 4	LCB (422, X				R751	ERD25FJ1R0		1 ohm 1/4W Carbon	1	
(E2031B)		CAPA	ACITORS			R752	ERDS2TJ332		3.3k ohms 1/4W Carbon	1	
C251	ECEA1EU4R7		4.7 MFD 25WV Electrolytic	1		R753, 754	ERDS2TJ1R0		1 ohm 1/4W Carbon	2	
C252	ECEA1EK4R7		4.7 MFD 25WV Electrolytic	1 .	19		22/48/81				
C253	ECEA1AU4R7		4.7 MFD 25WV Electrolytic	2		1300 000		4	1227 Carrier Beauty		
C254	ECEA1AK470		47 MFD 10WV Electrolytic	1	2	[class (3-8)		C	OILS		
C255	ECEA1CU101		100 MFD 16WV Electrolytic	1		L751	YETQ026F067		Choke Coil	1	
C256 to 259	ECQV1H124JZ	610	0.12 MFD 50WV Polyester	4		L752	YETQ026F084		Choke Coil	1	
C260, 261	ECEA1CU102	K. A. IB	1000 MFD 16WV Electrolytic	2			ECOV11122003		LILLER SONO PONESSEE		
C262, 263	YEU05B561K	SMICE STORY	560 PF 50WV Ceramic	2					TO INCOME THE PARTY OF THE PART		
C351	ECEA1EU4R7		4.7 MFD 25WV Electrolytic	1				INSTALLA	TION PARTS		
C352	ECEA1EK4R7		4.7 MFD 25WV Electrolytic	1		1	YEFG04010A		Rear Support Strap	1	
C353, 354	ECEA1AU470		47 MFD 10WV Electrolytic	2		2	XNG5AFXS		Hex. Nut (M5)	2	
C355	ECEA1CU101		100 MFD 16WV Electrolytic	1		3	XWC5CFX		Washer Toothed Lock	1	
C356 to 359	ECQV1H124JZ	DV 1/2	0.12 MFD 50WV Polyester	4		4	YEJV01060	Miscel	Hex.Bolt (M5 × 1")	1	4
C360, 361	ECEA1CU102	THE K	1000 MFD 16WV Electrolytic	2		5	XVG5C25FXS		Bolt Hex.	1	
C362, 363	YEU05B561K		560 PF 50WV Ceramic	2	.4	6	XWA5BFX	Fam Code	Lock Washer (No.10)	2	Ramarks
C751	YECKD05103Z		0.01 MFD 50WV Ceramic	1		7	XWG5FX	19	Washer Polished	2	
C754	ECEA1CU470	Street Book	47 MFD 16WV Electrolytic	1		C308465 8583	permittations :	specified parts.	TOO DONOT THE SOM provide BEET C		
CS751	YECCL05B222T		2200 MFD Feedthrough	1		THE Y WELL	VANA SSIAGRA VOOLS	diensucs importa	ul 47/1/haured chiche) politiques	EDIA MI	grunns (viny) is
CS752	YECCL05B222M	200 SW 1	2200 MFD Feedthrough	1		A THE POST OF	MAN ONE THE	PRIN	NTINGS		
	F F 1202000 - 1	10/2CLGA3				A SESTING CO.	YEFM281415	และโดยเลียนเลนา โดยเ	Instruction Book	1	THE REPORTSON
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EVELVANT	A STATE OF THE STA		CONTROL OF								

EXPRODED VIEW (Model CY-AM50EN)

Numbers in O are indicated REF. No. in the REPLACEMENT PARTS LIST.

The symbols next to the screws indicate as follows.

11	*	YEJS05006	⊕Screw	s follows:
12	*	YEJS05001	⊕Screw	MID LESCOPTONS
13	%	XTB3 + 5FFXS	⊕Screw, Tapping	3mm∳×5mm
14	•	XYN3 + F14FXS	⊕Screw w/Washer	3mmφ×14mm
15	0	XSB3 + 8FXS	⊕Screw, Bind	3mm∳×8mm



Replacement Parts List Model NO. CY-AM50EN

NOTES:

- according to this list.
- 2. Important safety notice: Components identified by A mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.
- 1. Be sure to make your orders of replacement parts 3. Next to the Ref. No. in the parts list is a location key, to show the general location of the parts shown in the exploded drawing, as in a road map.
 - 4. Printed circuit board assembly with mark (NLA) is no longer available after production discontinuation of the complete set.

Ref. No.	Part No.	Part No. Part Code Part Name & Description		Pcs set	
	XEVA01000 :	MISCE	LLANEOUS		
<u>∧</u> F1 (3-	A) XBB1C10NR1		Fuse 1A	1	
<u></u> ∆F2 (1	B) XBB1C50NS1		Fuse 5A	1	
CN251 (2	B) YEAJ03797A		Speaker Cord	1	
CN351 (2	B) YEAJ03796A	HASTALLA	Speaker Cord	1	
CN701 (3-	A) YEAJ02416		Extension Cord w/Fuse 1A	1	
CN751					
CN752	YETQ026'08)		Choke Coll		
CN753 (2-	B) YEAE01668		8P DIN Connector	1	
1 (2-	B) YEFX007283		Cord Clamp CN251, 351	2	
2 (2-	B) YEFR04230		Protecter Cap	4	
3 (1-	B) YEAJ12031		Motor Antenna Relay Control Lead	1	
4 (1-	B) YEAJ09191		Ground Lead	1	
5 (1-	B) YEAJ011015		Power Lead w/Fuse 5A	1	
6 (2-	B) YEFX0212264		Mounting Bracket (IC251)	1	
7 (2-	B) YEFX0212265		Mounting Bracket (IC351)	1	
8 (2-	A) YEFA13689A		Case for L751	1	
9 (1-	A) YEFG012166B		Quick Release Bracket	1	
10 (2-	B) YEFF01538		Heat Sink	1	
.11	• YEJS05006		ФScrew	2	
12	YEJS05001		⊕Screw .	4	
13 ﴿	XTB3 + 5FFXS	ä	⊕Screw Tapping 3mmφ x 5mm	5	
14	XYN3 + F14FXS		⊕Screw w/washer 3mmφ×14mm	2	
15 @	XSB3 + 8FXS		⊕Screw Bind 3mmφ x 8mm	3	MATE IN
16 (3-	B) YAFX016042		Cord Clamper	1	
17 ; (2-,	A) YEPOPT2030A0	5915 (20)	PCB w/Component	1	NLA

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks	Ref. No.	Part No.	Part Code	Part Name & Description	Pcs	Remarks
		INSTALL	ATION PARTS		14	(E2030B)		ICs &	DIODES		
1	YEFG04010A		Rear Support Strap	1		IC251	YEAMTA7280P		Power Amp	1	
2	XNG5AFXS		Hex. Nut (M5)	2		IC281	YEAMM5218P		OP Amp	1	
3	XWG5FX		Washer Polished Rud	2		IC351	YEAMTA7281P		Power Amp	1	T Y T STORE
4	YEJV01060		Hex. Bolt (M5 x 1")	1		D751	YEADDSM1A2			1	1 , ,
5	XWC5CFX		Washer Toothed Lock	1		D752	MA165	- 1		1	
6	XVG5C25FXS		Washer Spring	1			The second second		1		
7	XWA5BFX	1	Lock Washer (No.10)	2					5		
	aczelius czybitoson					(E2030B)		САРА	CITORS	×	
	Excellence .	PRII	NTING		4	C251, 252	ECEA1EU4R7		4.7 MFD 25WV Electrolytic	2	
	YEFM281415		Instruction Book	1		C253, 254	YEE05X222M		0.0022 MFD 50WV Ceramic	2	
	E812253365c					C255, 256	ECEA1AU101		100 MFD 10WV Electrolytic	2	
SEEM LINE	HOW I WAR					C257	ECEA1AU470		47 MFD 10WV Electrolytic	1	
						C258	ECEA1AU101		100 MFD 10WV Electrolytic	1	
						C259	ECEA1CU102		1000 MFD 16WV Electrolytic	1	
						C260	ECEA1AU101		100 MFD 10WV Electrolytic	1	
		24.021				C261, 262	ECQV1H224JZ		0.22 MFD 50WV Polyester	2	
						C263	ECQV1H154JZ		0.15 MFD 50WV Polyester	1	1
						C264, 265	ECEA1CU102		1000 MFD 16WV Electrolytic	2	
						C266, 267	YEU05B331K		330 PF 50WV Ceramic	2	
	usckom mas		The second of the second			C281	ECEA1HK010		1 MFD 50WV Electrolytic	1	
			green characters			C282	YEU05SL470J	1	47 PF 50WV Ceramic	1	
	GC: MUCTISSE (ES)					C283	ECEA1CU220		22 MFD 16WV Electrolytic	1	
	Try/(Eller		ESTREET A PETER PROCESSION			C284	ECEA1CU100		10 MFD 16WV Electrolytic	1	
			The section of			C351, 352	ECEA1EK4R7		4.7 MFD 25WV Electrolytic	2	
			Share and the state of the stat			C353, 354	YEE05X222M	9	0.0022 MFD 50WV Ceramic	2	
av de	*		talo for the sections			C355, 356	ECEA1AU101		100 MFD 10WV Electrolytic	2	
de las el			19) AUS DE TROMA CELEBUIC			C357	ECEA1AU470		47 MFD 10WV Electrolytic	1	
er ien i	KIND TO		monte in the second to			C358	ECTA1AKS101		100 MFD 10WV Electrolytic	1	
					2000 - 100	C359	ECEA1CU102		1000 MFD 16WV Electrolytic	1	
- 30				463.4		C360	ECEA1AU101	2.	100 MFD 10WV Electrolytic	1	
						C361, 362	ECQV1H224JZ		0.22 MFD 50WV Polyester	2	

ЛΟІ	DEL	CY-AM50EN
cs		Remarks

Pcs set

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Ref. No.	Part No.	Part Code	Part Name & Description	Pcs	Remarks	Ref. No.	Part No.	Part Code	Part Name & Description
C363	ECQV1H154JZ		0.15 MFD 50WV Polyester	1		R358	ERDS2TJ222	eastmaning of	2.2k ohms 1/4W Carbon
C364, 365	ECEA1CU102		1000 MFD 16WV Electrolytic	2	0	R359	ERDS2TJ1R0		1 ohm 1/4W Carbon
C366, 367	YEU05B331K		330 PF 50WV Ceramic	2		R381	ERDS2TJ122	densitics intports	1.2k ohms 1/4W Carbon
C381	ECEA1HU010	Terrore es	1 MFD 50WV Electrolytic	1		R382	ERDS2TJ104	mentled parts	100k ohms 1/4W Carbon
C382	YEU05SL470J		47 PF 50WV Ceramic	1		R383	ERDS2TJ473		47k ohms 1/4W Carbon
C383	ECEA1CU220		22 MFD 16WV Electrolytic	1		R384	ERDS2TJ332		3.3k ohms 1/4W Carbon
C384	ECEA1CK100		10 MFD 16WV Electrolytic	1		R385	ERDS2TJ470	/	47 ohms 1/4W Carbon
C751	ECEA1CU331		330 MFD 16WV Electrolytic	1		R386	ERDS2TJ473	English.	47k ohms 1/4W Carbon
C752	ECEA1CU220		22 MFD 16WV Electrolytic	1		R751	ERDS2TJ823		82k ohms 1/4W Carbon
C753, 754	YECKD05103Z		0.01 MFD 50WV Ceramic	2		R752	ERDS2TJ104		100k ohms 1/4W Carbon
CS751	YECCL55S222		2200MFD Feedthrough	1		R753	ERD25FJ1R0		1 ohm 1/4W Carbon
	9					R754	ERDS2TJ471		470 ohms 1/4W Carbon
		Lewis La				R755	ERDS2TJ222		2.2k ohms 1/4W Carbon
(E2030B)		RES	STORS			R756, 757	ERDS2TJ1R0		1 ohm 1/4W Carbon
R251, 252	ERDS2TJ103		10k ohms 1/4W Carbon	2		500	ECEVIVATOI		100 MFD 10WV Electroly
R253	ERDS2TJ270	24	27 ohms 1/4W Carbon	1		6328	CECONIGNIUS *		Toda Nito - Textor: electrol;
R254	ERDS2TJ101		100 ohms 1/4W Carbon	1		C\$28	SCEALAUTO1		FIGURES, CTOWN Flections
R255	ERDS2TJ220		22 ohms 1/4W Carbon	1		(25)		1	TOWN Electrolys
R256	ERDS2TJ820		82 ohms 1/4W Carbon	1		C255, 256.	ECEVIVATOR	SW	ITCH
R257	ERDS2TJ150		15 ohms 1/4W Carbon	1		SW751	YEAS07154		Speaker Selector
R258	ERDS2TJ222	Sec.	2.2k ohms 1/4W Carbon	1		(251,252	ECEATEDIAN		Az wito. Stave Heardy
R259	ERDS2TJ1R0	7 FEBRUAR S	1 ohm 1/4W Carbon	1		(£3030R)		Party Party	NI POWS
R281	ERDS2TJ122		1.2k ohms 1/4W Carbon	1					COLL
R282	ERDS2TJ104		100k ohms 1/4W Carbon	1					COIL
R283	ERDS2TJ473		47k ohms 1/4W Carbon	1		L751	YETQ026F048A		Choke Coil
R284	ERDS2TJ332		3.3k ohms 1/4W Carbon	1		D182	46.165		
R285	ERDS2TJ470		47 ohms 1/4W Carbon	1		19327	* TEADDS#182		
R286	ERDS2TJ473		47k ohms 1/4W Carbon	1		10333	DEAVORABLE		Fower-Anne
R351, 352	ERDS2TJ103		10k ohms 1/4W Carbon	2		18381	367000923188		Car Wall
R353	ERDS2TJ270	54360	27 ohms 1/4W Carbon	1		Person of	A SAMPY SOR		1,00m3c warb
R354	ERDS2TJ101	Property of	100 ohms 1/4W Carbon	1		GS (ROB)		6.0	I I PORTE OF
R355	ERDS2TJ220		22 ohms 1/4W Carbon	1	in the second				
R356	ERDS2TJ820	La di Longo	82 ohms 1/4W Carbon	1					
R357	ERDS2TJ150		15 ohms 1/4W Carbon	1	1				

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