

ICF-C16W

US Model
AEP Model
E Model



Photo: US model (Silver type)

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FM/AM DIGITAL CLOCK RADIO

SPECIFICATIONS

Frequency Range:	FM 87.5 – 108 MHz AM 530 – 1605 kHz	Power Consumption:	5W ac (3W when only the clock is in operation)
Antennas:	FM: Wire antenna AM: Built-in ferrite bar antenna	Dimensions:	Approx. 250 x 111 x 99 mm (w/h/d) (9-7/8 x 4-3/8 x 4 inches) incl. projecting parts and controls
Speaker:	Approx. 7.7 cm (3-1/8 inches) dia.	Weight:	US, AEP, E2 model: Approx. 920g (2 lb) E1 model: Approx. 1,050g (2 lib 5 oz) incl. battery
Power Output:	280 mW (at 10% harmonic distortion)		0 dB = 0.775 V
Power Requirements:	AEP model: 220V ac, 50 Hz US, E2 model: 120V ac, 60 Hz E1 model: 110 – 120 or 220 – 240V ac adjustable, 50 or 60 Hz adjustable For the Power Backup Function: 9V dc, one battery size 6F22 (IEC designation)		

Note: The components identified by shading and mark  are critical for safety. Replace only with part number specified.



SONY®

SERVICE MANUAL

Handling Precautions for MOS ICs (MSM 55501RS)

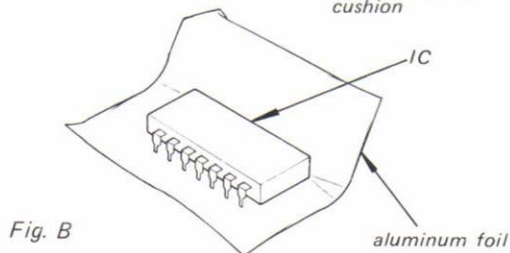
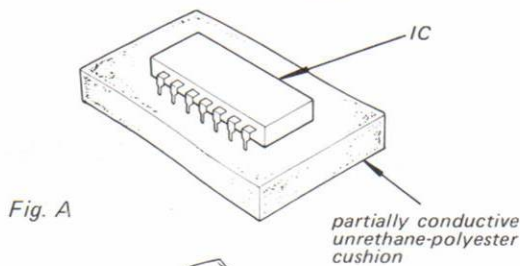
Generally, the insulation resistance of the oxide layer in MOS IC structures is very high, and the oxide layer is very thin. Because of this, it is possible that the static voltages usually present on clothes and the human body will be enough to generate a potential difference across the insulator, high enough to cause a breakdown of the insulating layer.

The following precautions should be taken while handling these ICs.

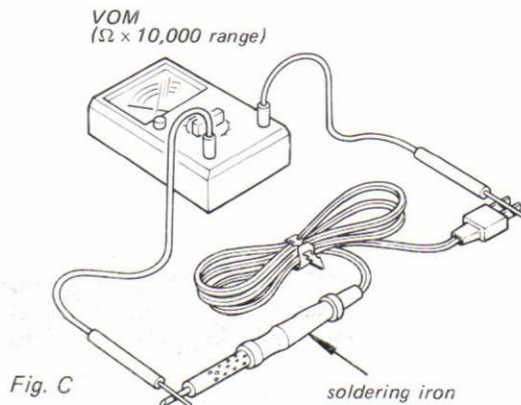
(Particular care should be taken under conditions of low humidity.)

Precautions in Replacing MOS ICs

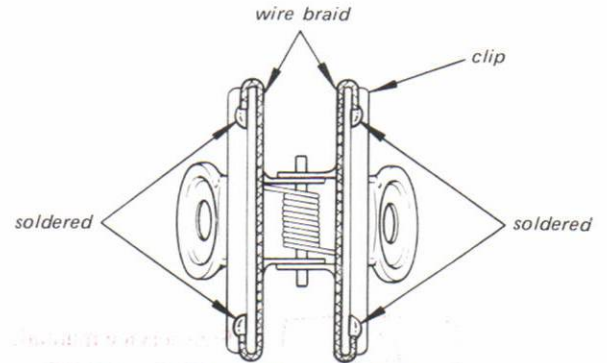
1. Store new ICs by inserting them into a urethane-polyester cushion (which is somewhat conductive), or wrapping it in aluminum foil, so that all the pins are at the same potential. (The ICs should be stored in that manner until mounted on the circuit board.)



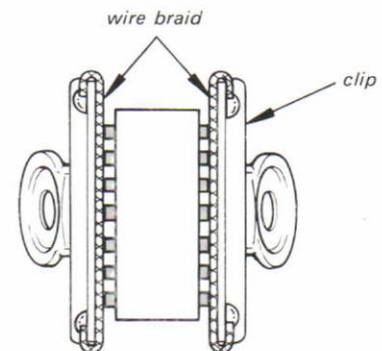
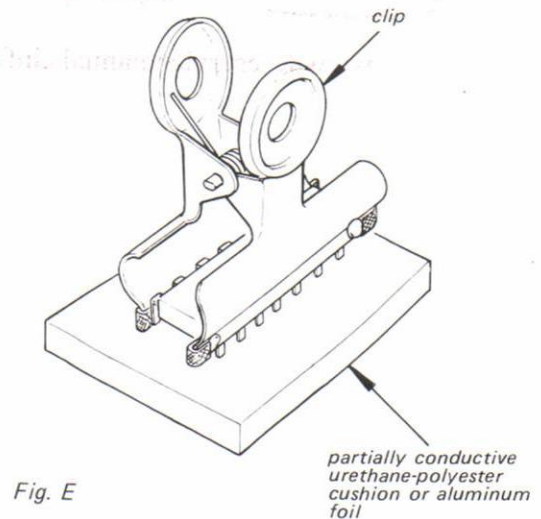
2. Check the soldering iron for possible power-line leakage current. Make sure that there is no leakage path by connecting an ohmmeter to the tip of the soldering iron and the plug as shown in Fig. C. If there is a leakage path, use some other soldering iron.



3. Equalize any potential difference between the clothes, the tools in use, the work bench, the set being worked on, and the packaged IC by touching them all in succession with the hands or a conductive wire or tool.
4. The following are effective methods for handling ICs that remove the potential difference across the oxide layer.
 - Use a paper clip modified by soldering in a wire braid insert.



Make sure that there is no solder on the inside.



Make sure that all the pins are in contact with the wire braid (all the pins will then be at the same potential.)

- Take a short length of fine bare wire and wind it around the IC so that it shorts all the pins of the IC, while it is still in the urethane-polyester cushion or aluminum foil. This ensures that all the pins are at the same potential.

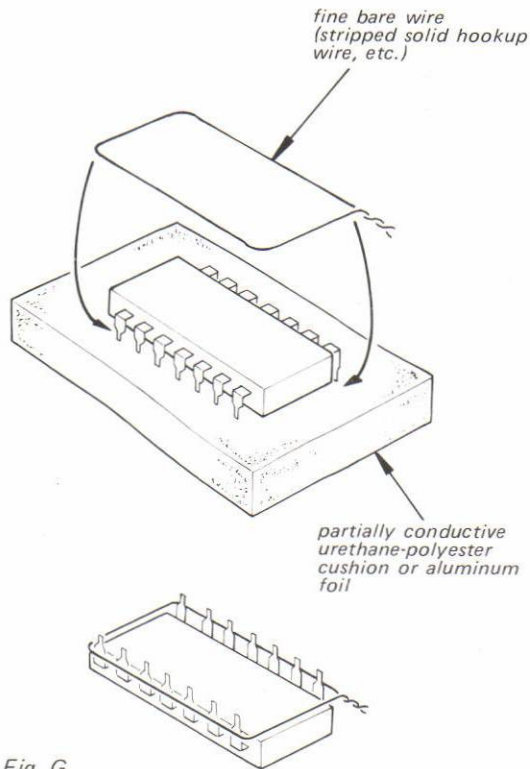


Fig. G

- When it is necessary to handle the IC with the fingers, do not touch any pin, and hold the IC at the ends of its plastic-package case as shown in Fig. H.

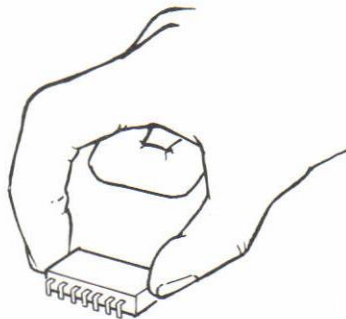


Fig. H

5. Method of Mounting

Insert the IC while holding it with the modified clip, and solder all the pins with the clip still shorting the pins. (Similarly, solder all the pins while the bare shorting wire is still wound around them.). Remove the clip or the bare shorting wire only after all the pins have been soldered.

Precaution while Checking C-MOS ICs

The C-MOS ICs (Complementary MOS) are MOS ICs that have their output sections made up of N-channel and P-channel push-pull stages to increase their speed of operation. If the output terminal of these ICs comes into contact with B+ or B- voltage, then the FET which is ON at that time will either become shorted or open.

This is valid for all the output sections that are connected together by the interconnections. Even the circuits that are physically separated (and not on the same board) can be destroyed simultaneously.

Example:

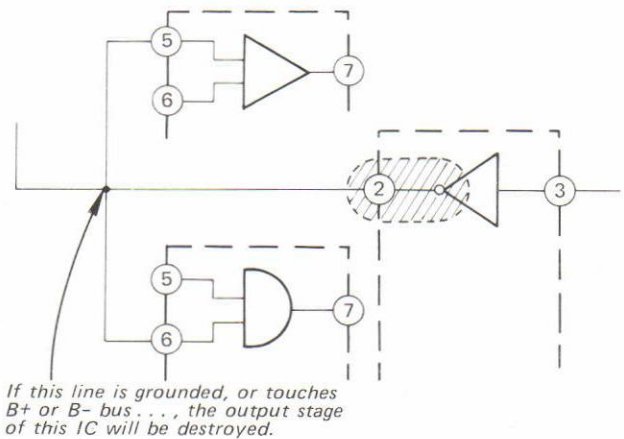
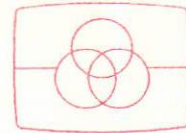


Fig. I

SECTION 1 OUTLINE

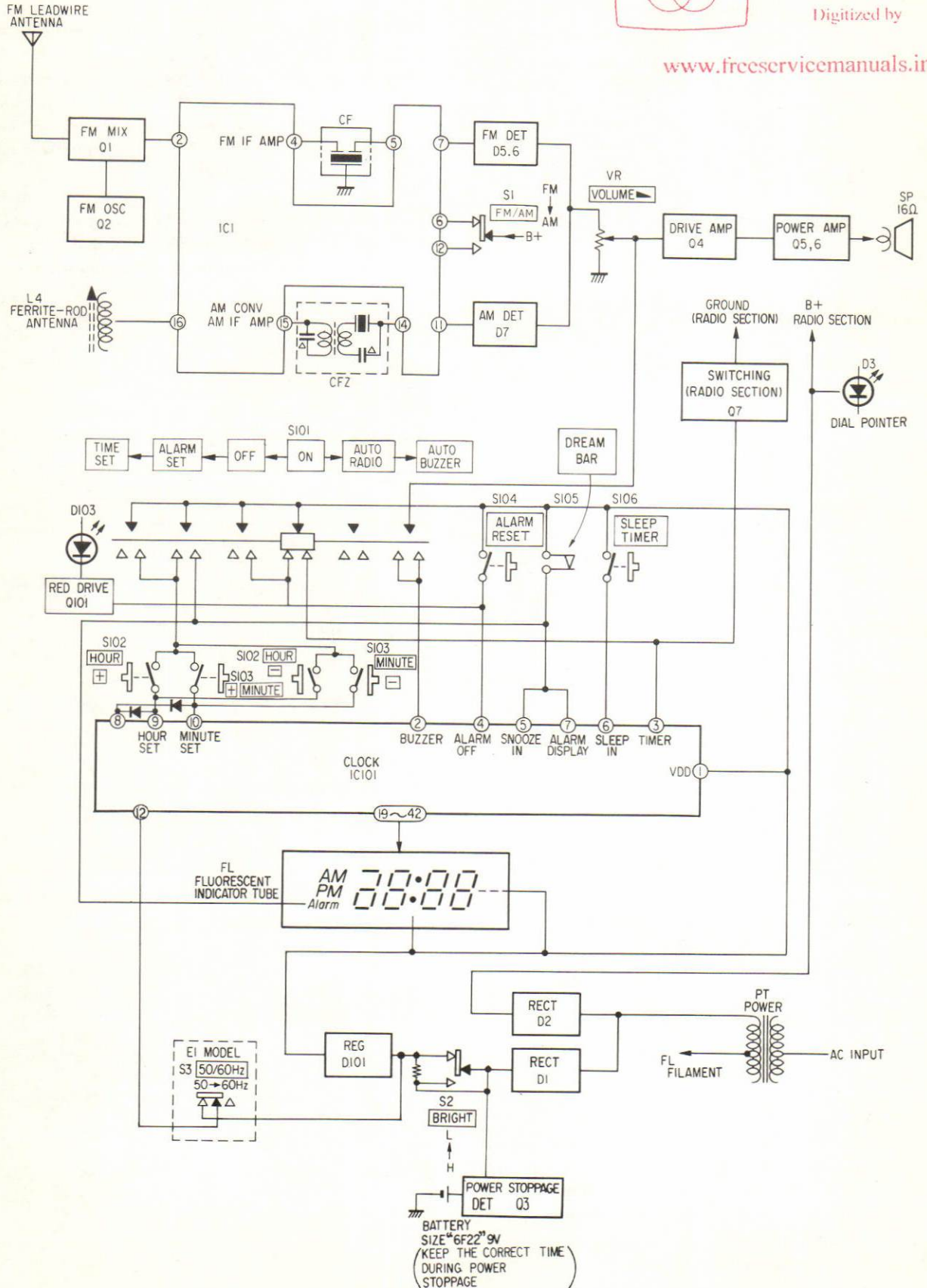


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1-1. BLOCK DIAGRAM

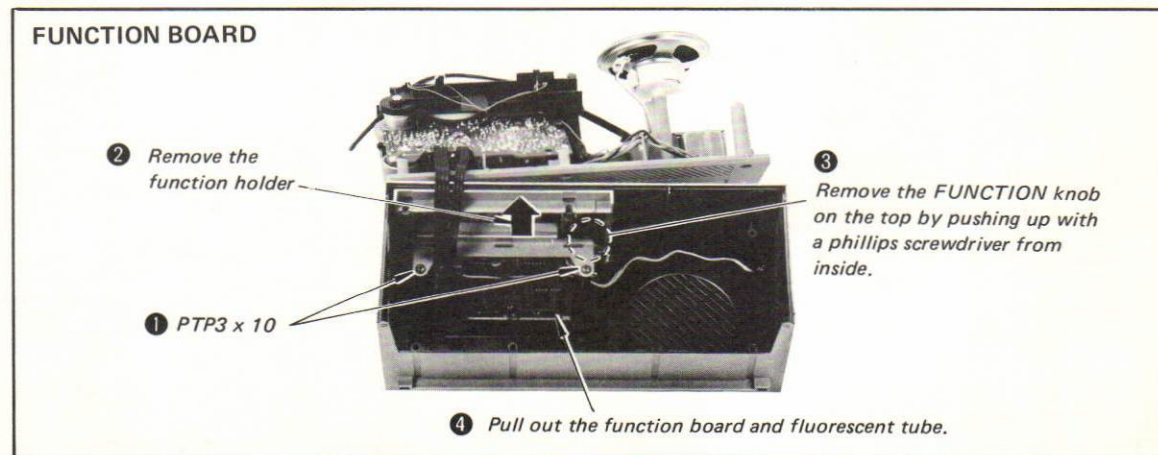
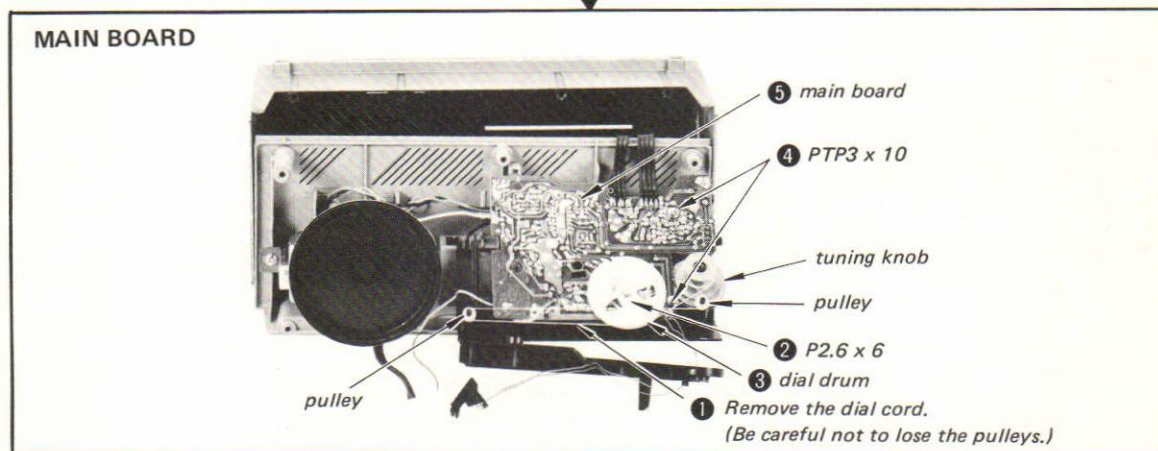
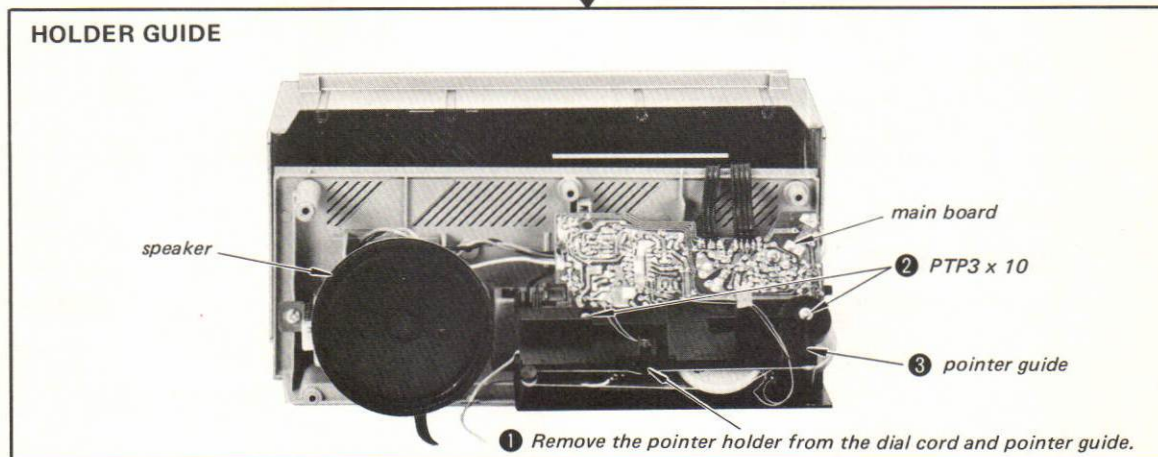


SECTION 2 DISASSEMBLY

2-1. REMOVAL

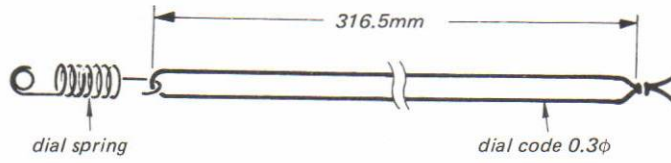
- Follow the disassembly procedure in the numerical order given.

CABINET • Remove the seven screws (BTP3X25) of the rear cabinet.



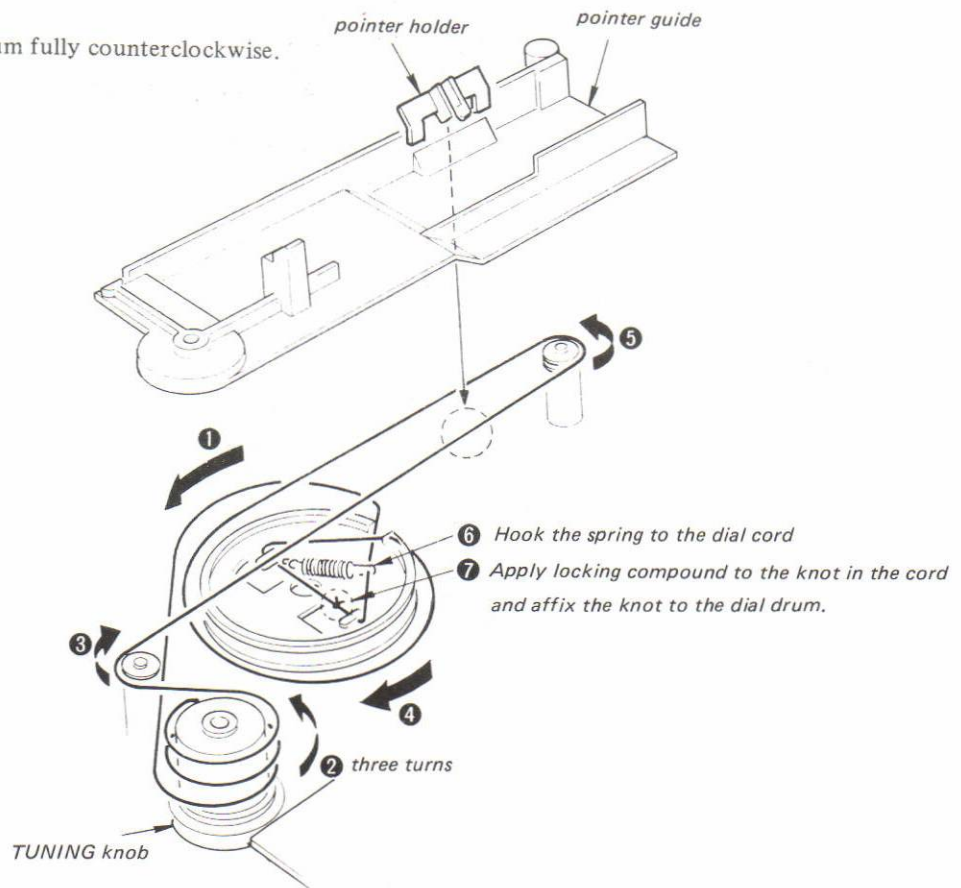
2-2. DIAL CORD STRINGING

1) Preparation



2) Stringing

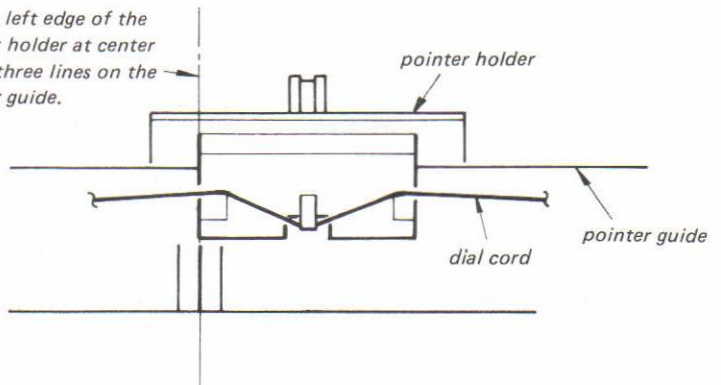
Turn the dial drum fully counterclockwise.



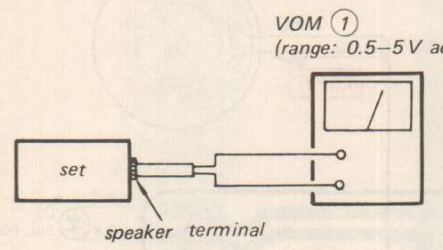
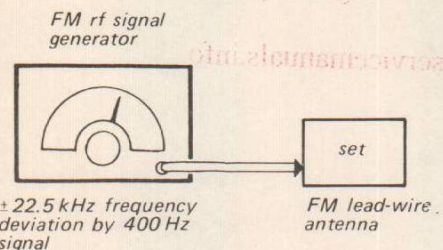
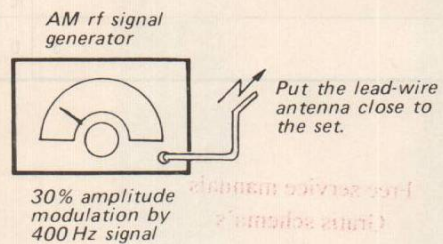
3) Dial Pointer Setting

Turn the dial drum fully counterclockwise.

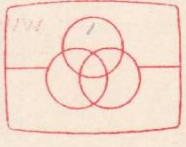
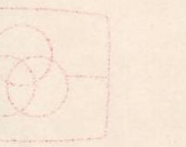
Set the left edge of the pointer holder at center of the three lines on the pointer guide.



SECTION 3 ELECTRICAL ADJUSTMENTS



• Repeat the procedures in each adjustment several times, and the frequency coverage and tracking adjustments should be finally done by the trimmer capacitors.

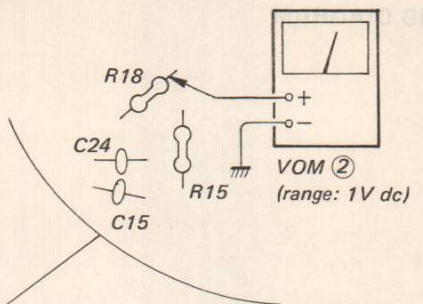


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() : in West Germany

FM FREQUENCY COVERAGE ADJUSTMENT	
Adjust for a maximum reading on VOM ①.	
108.5MHz (108MHz)	87.1MHz (87.5MHz)
CT-4	L3

AM IF ALIGNMENT	
Adjust for a maximum reading on VOM ①.	
455kHz	
CFZ	



FM IF ALIGNMENT 2 (10.7MHz with no modulation)	
Adjust for 0V reading on VOM ②.	
T4	

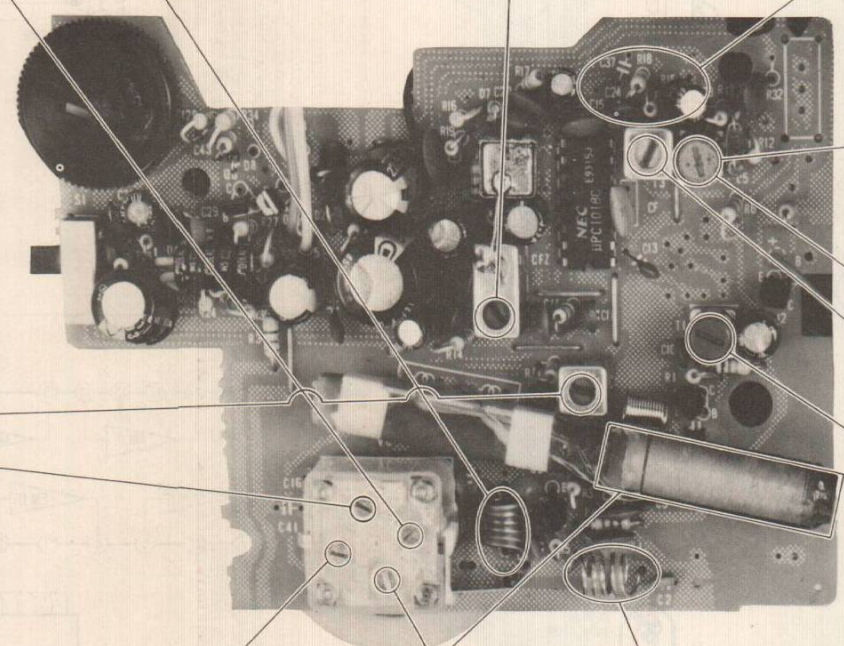
AM FREQUENCY COVERAGE ADJUSTMENT	
Adjust for a maximum reading on VOM ①.	
520kHz	T2
1,680kHz	CT-2

AM TRACKING ADJUSTMENT	
CT-1	L4
1,400kHz	620kHz
Adjust for a maximum reading on VOM ①.	

FM TRACKING ADJUSTMENT	
CT-3	L1
108.5MHz (108MHz)	87.1MHz (87.5MHz)
Adjust for a maximum reading on VOM ①.	

() : in West Germany

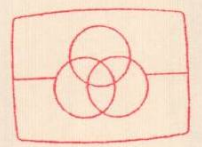
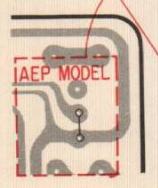
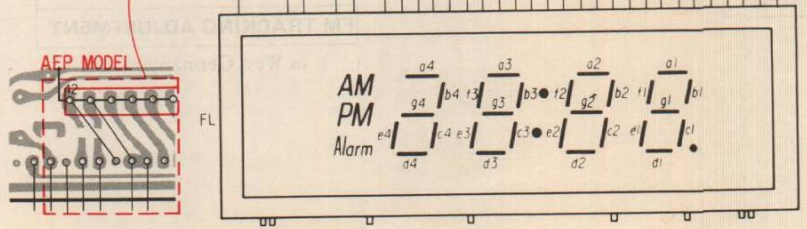
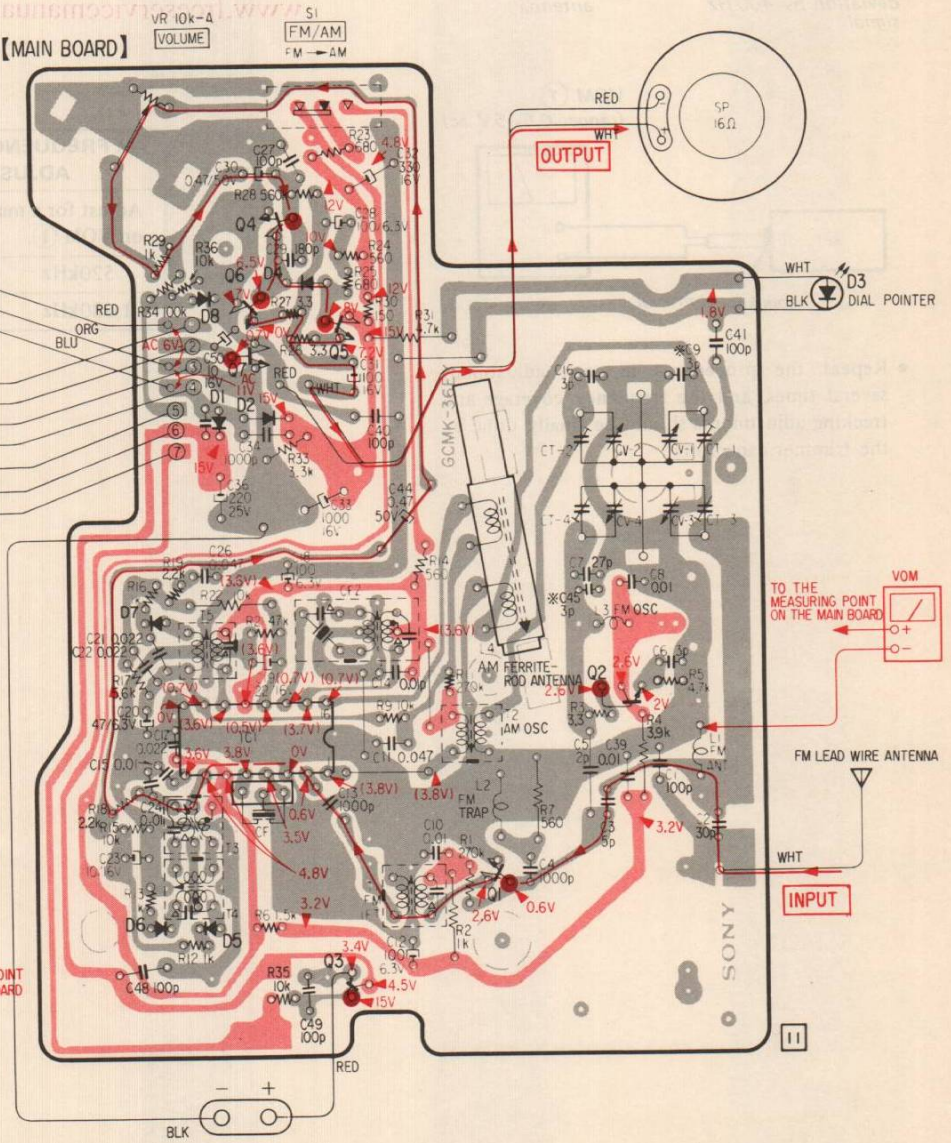
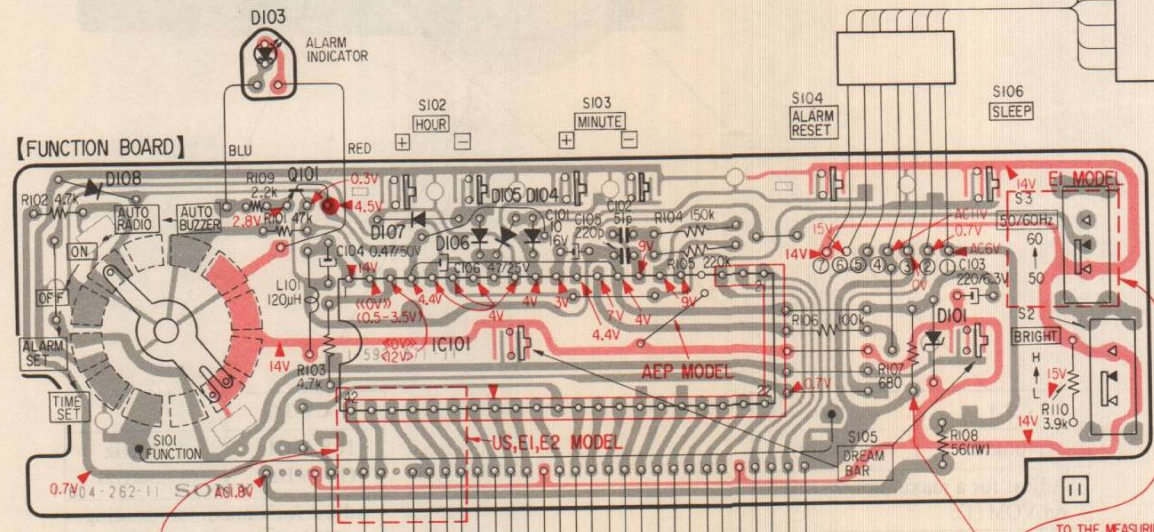
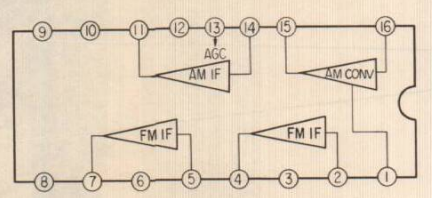
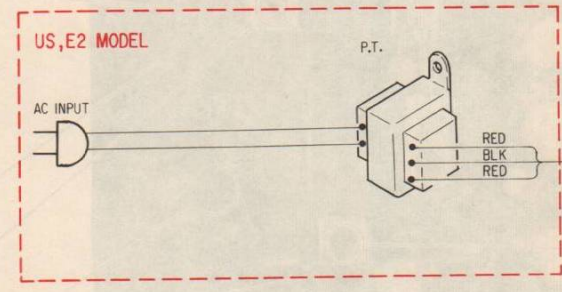
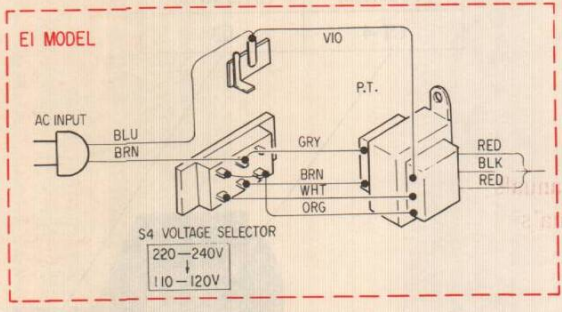
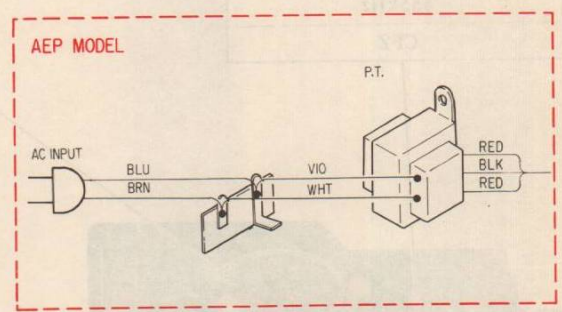
T1	T3	T4
Adjust for a maximum reading on VOM ①.		
FM IF ALIGNMENT 1 (10.7MHz with modulation)		



SECTION 4
DIAGRAMS

4-1. MOUNTING DIAGRAM

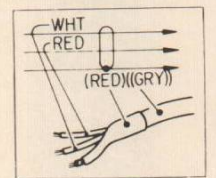
Q	101		IC101		IC1		2		Q
IC					6 7		3		IC
D	108	107		106,105,104		101		3	
						7 8	1 2	4	D
						6 5			



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Note:
 • [Symbol] : indicates side identified with part number.
 • Color code of sleeving over the end of the jacket.

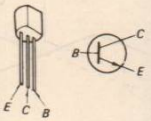


• [Symbol] : B+ pattern
 • [Symbol] : signal path

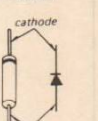
4-2. SCHEMATIC DIAGRAM

SEMICONDUCTOR LEAD LAYOUTS

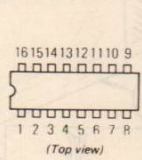
2SC930
2SC945
2SC1364
2SC2001



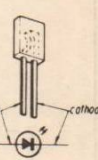
10E2
1N4002
1SS-53
1S1555
1T261



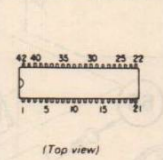
μPC1018C-F



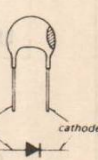
SLP1558



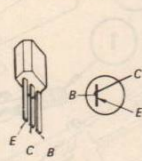
MSM55501RS



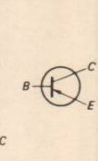
VD1220



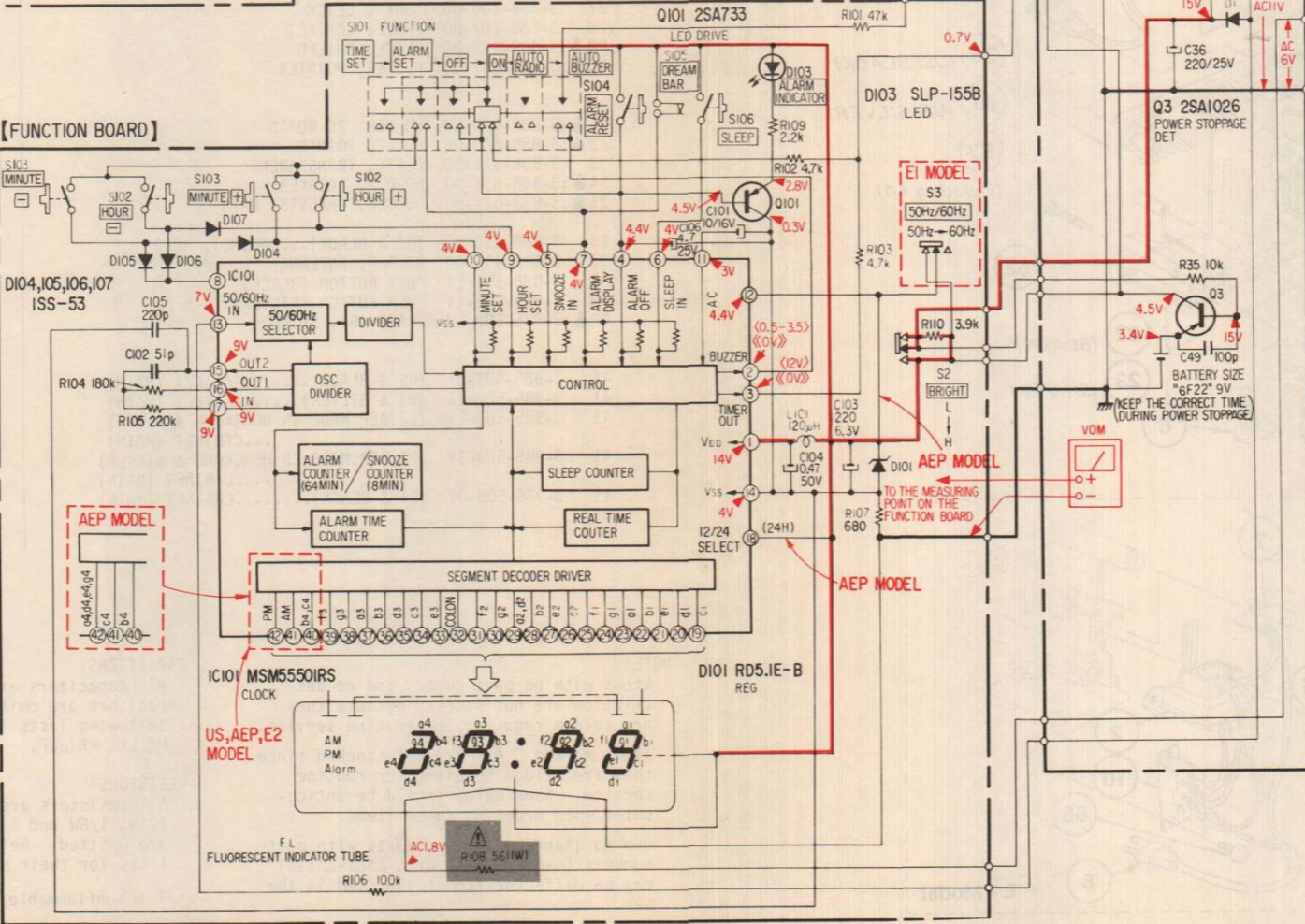
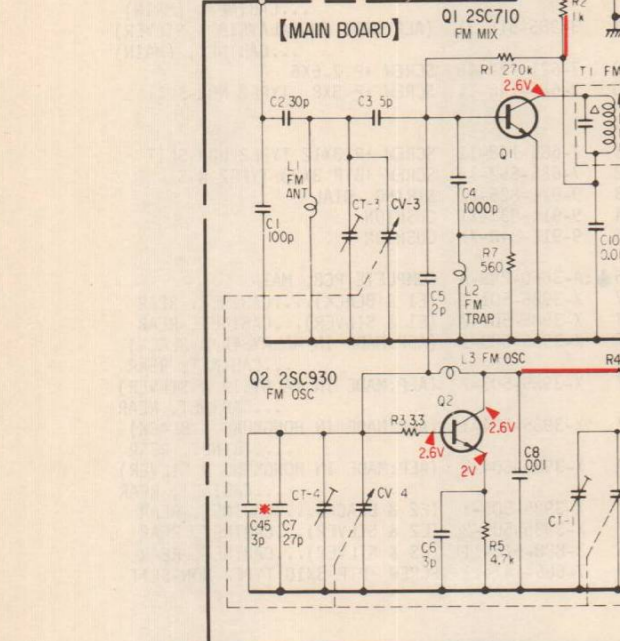
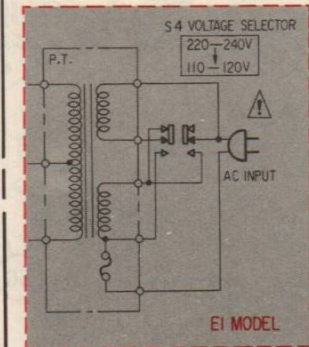
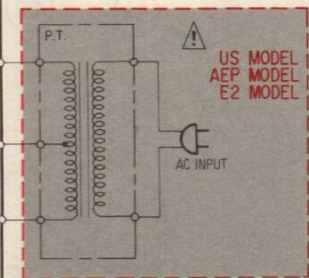
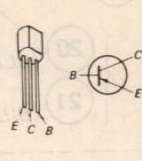
2SA1027R



2SA952



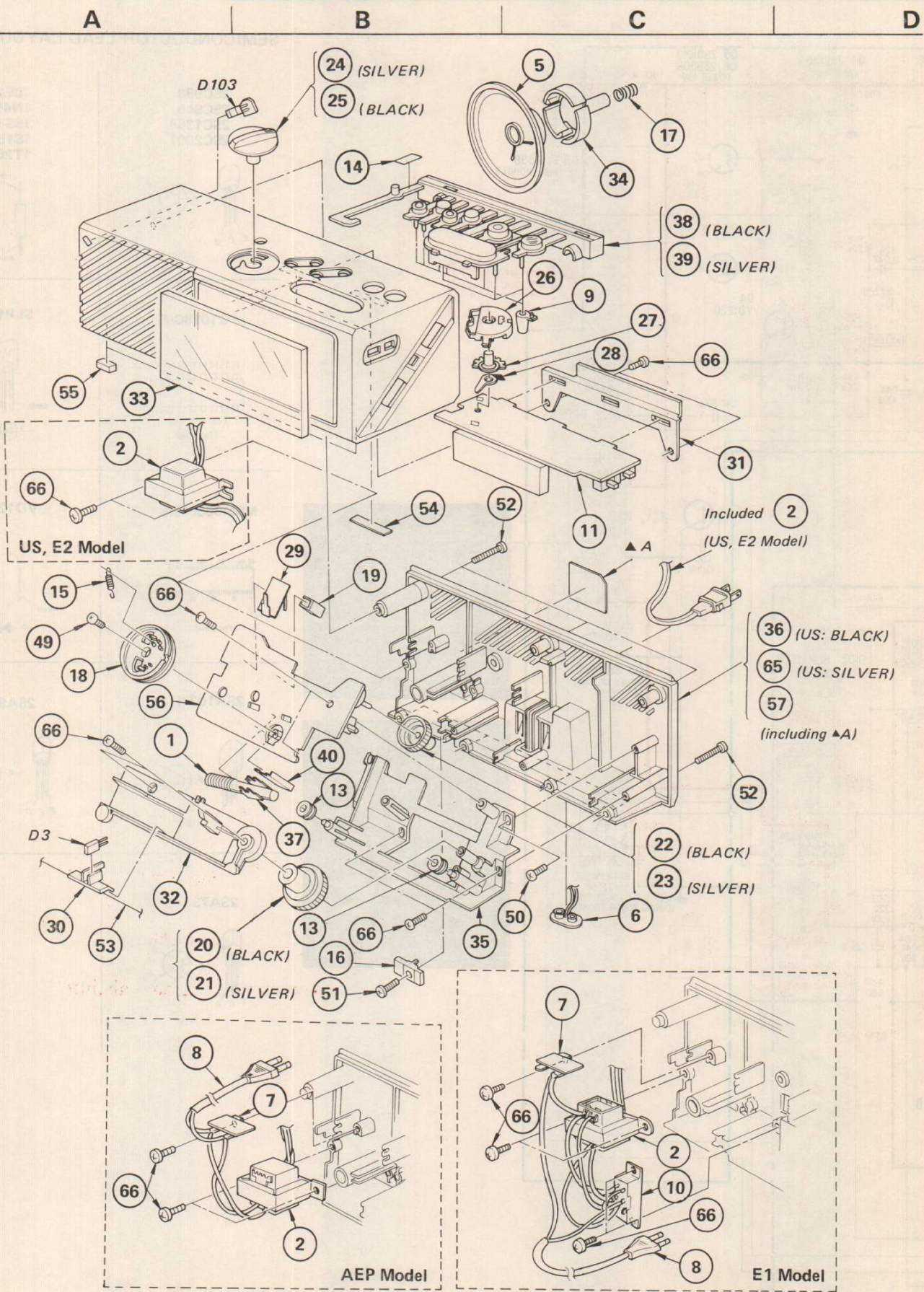
2SA733



- Note:**
- All capacitors are in μF unless otherwise noted. pF : μF 50WV or less are not indicated except for electrolytics and tantalums.
 - All resistors are in ohms, $\frac{1}{2}\text{W}$ unless otherwise noted. $\text{k}\Omega$: 1000 Ω , $\text{M}\Omega$: 1000 $\text{k}\Omega$
 - Δ : internal component.
 - \square : panel designation.
 - \ast : selected to yield optimum performance at the factory.
 - --- : B+ bus.
 - Voltages are dc with respect to ground unless otherwise noted.
 - Readings are taken under no-signal (detuned) conditions with a VOM (20 $\text{k}\Omega/\text{V}$).
 - no mark: FM (FUNCTION "ON")
 - () : AM (FUNCTION "ON")
 - [] : OFF (FUNCTION "AUTO" OPERATE)
 - [] : ON (FUNCTION "AUTO" OPERATE)
 - Voltage variations may be noted due to normal production tolerances.

SECTION 5

EXPLODED VIEW AND PARTS LIST



GENERAL SECTION		
No.	Part No.	Description
1	1-401-790-00	ANTENNA, FERRITE-ROD (MW)(L4)
2	▲1-446-346-41	(US,E2)...TRANSFORMER, POWER
2	▲1-446-485-31	(E1).....TRANSFORMER, POWER
2	▲1-446-486-41	(AEP).....TRANSFORMER, POWER
5	1-503-018-11	SPEAKER (7.7CM)
6	1-535-502-XX	SNAP, BATTERY
7	1-536-392-XX	(AEP,E1)...PLATE, TERMINAL
8	▲1-551-958-11	(AEP,E1)...CORD, POWER
9	1-552-900-00	CONTACT, RUBBER
10	1-553-028-00	(E1).....SWITCH, POWER SELECT(S4)
11	▲;1-604-262-00	PC BOARD, FUNCTION
12
13	3-801-216-XX	PULLEY
14	3-831-441-XX	SPACER, A
15	3-881-923-00	SPRING
16	3-884-408-00	STOPPER, CORD
17	3-885-103-00	SPRING
18	3-887-128-00	DRUM, TUNING
19	▲;3-887-524-00	PLATE, SHIELD
20	3-888-201-22	KNOB, TUNING (BLACK)
21	3-888-201-41	KNOB, TUNING (SILVER)
22	3-888-202-22	KNOB, VOLUME CONTROL (BLACK)
23	3-888-202-41	KNOB, VOLUME CONTROL (SILVER)
24	3-888-203-11	KNOB, FUNCTION (SILVER)
25	3-888-203-22	KNOB, FUNCTION (BLACK)
26	3-888-205-00	HOLDER, FUNCTION
27	3-888-206-00	SHAFT, CLICK
28	3-888-207-00	PLATE, CONTACT
29	▲;3-888-235-00	PLATE, SHIELD
30	▲;3-888-607-00	HOLDER, POINTER
31	▲;3-888-608-00	HOLDER, PC BOARD
32	▲;3-888-610-00	GUIDE, POINTER
33	3-888-611-00	PLATE, TRANSPARENT
34	▲;3-888-612-00	HOLDER, SPEAKER
35	▲;3-888-614-00	HOLDER, CHASSIS, MAIN
36	3-888-616-01	(US & BLACK)...CABINET, REAR
37	3-982-416-00	HOLDER, ANTENNA
38	3-985-501-01	PUSH BUTTON (BLACK)
39	3-985-501-11	PUSH BUTTON (SILVER)
40	▲;3-985-502-00	PLATE (B), SHIELD
41	3-985-503-01	(US & BLACK).....CABINET (MAIN)
41	3-985-503-11	(US & SILVER).....CABINET (MAIN)
41	3-985-503-21	(E2,AEP:MADE IN HONGKONG & BLACK) ...CABINET (MAIN)
41	3-985-503-31	(E2,AEP:MADE IN HONGKONG & SILVER) ...CABINET (MAIN)
41	3-985-505-01	(E1 & BLACK).....CABINET (MAIN)

GENERAL SECTION		
No.	Part No.	Description
41	3-985-505-11	(E1 & SILVER)...CABINET, (MAIN)
41	3-985-515-21	(AEP:MADE IN MALAYSIA & BLACK) ...CABINET, (MAIN)
41	3-985-515-31	(AEP:MADE IN MALAYSIA & SILVER) ...CABINET, (MAIN)
49	7-621-259-45	SCREW +P 2.6X6
50	7-685-146-11	SCREW +P 3X8 TYPE2 NON-SLIT
51	7-685-148-11	SCREW +P 3X12 TYPE2 NON-SLIT
52	7-685-552-14	SCREW +BTP 3X25 TYPE2 N-S
53	9-911-825-32	STRING, DIAL
54	9-911-838-XX	CUSHION
55	9-911-840-XX	CUSHION
56	▲;A-3660-288-A	COMPLETE PCB, MAIN
57	X-3985-501-1	(E1 & BLACK)...CABINET, REAR
57	X-3985-501-2	(E1 & SILVER)...CABINET, REAR
57	X-3985-503-1	(AEP:MADE IN MALAYSIA & BLACK) ...CABINET, REAR
57	X-3985-503-2	(AEP:MADE IN MALAYSIA & SILVER) ...CABINET, REAR
57	X-3985-504-1	(AEP:MADE IN HONGKONG & BLACK) ...CABINET, REAR
57	X-3985-504-2	(AEP:MADE IN HONGKONG & SILVER) ...CABINET, REAR
57	X-3985-505-1	(E2 & BLACK)...CABINET, REAR
57	X-3985-505-2	(E2 & SILVER)...CABINET, REAR
65	3-888-616-11	(US & SILVER)...CABINET, REAR
66	7-685-147-11	SCREW +PTP 3X10 TYPE2 NON-SLIT

ACCESSORY & PACKING MATERIAL

Part No.	Description
3-701-308-00	LABEL, PRODUCT COLOR (BLACK)
3-701-309-00	LABEL, PRODUCT COLOR (SILVER)
3-703-390-01	(US).....INSTRUCTION
3-985-432-00	MAT, MIRROR
3-985-510-01	(MADE IN HONGKONG)...INDIVIDUAL CARTON
3-985-510-11	(MADE IN MALAYSIA)...INDIVIDUAL CARTON
3-985-511-00	CUSHION
3-985-513-00	(US).....LABEL, POP
3-993-228-10	(AEP).....LEAFLET, DUTCH/SWEDISH
3-993-289-00	(US).....CARD, CUSTOMER INQUIRY
3-995-894-21	(US).....MANUAL, INSTRUCTION
3-995-894-51	(AEP,E1,E2).....MANUAL, INSTRUCTION

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NOTE:
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 • Due to standardization, parts with part numbers (▲-▲▲▲-▲▲▲-XX or ▲-▲▲▲-▲▲▲-X) may be different from those used in the set.

CAPACITORS:
 • All capacitors are in μ F. Common capacitors are omitted. Refer to the following lists for their part numbers.
 MF: μ F, PF: μ P.F.
 RESISTORS
 • All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.
 • F : nonflammable

The components identified by shading and mark ▲ are critical for safety. Replace only with part number specified.

COILS
 • MMH : mH, UH : μ H

ELECTRICAL PARTS

Ref.No.	Part No.	Description
CF	1-527-184-XX	CERAMIC FILTER (10.7MHZ)
CFZ	1-403-163-21	CERAMIC FILTER
CT1-4 CV1-4	1-151-372-00	CAP, TUNING, POLYETHYLENE
D1	8-719-200-02	DIODE 10E2
D2	8-719-200-02	DIODE 10E2
D3	8-719-921-55	DIODE SLP155B
D4	8-719-122-00	DIODE VD1220
D5	8-719-026-11	DIODE 1T261
D6	8-719-026-11	DIODE 1T261
D7	8-719-026-11	DIODE 1T261
D8	8-719-815-55	DIODE 1S1555
D101	8-719-151-07	DIODE RD5.1E-B
D103	8-719-921-55	DIODE SLP155B
D104	8-719-815-55	DIODE 1S1555
D105	8-719-815-55	DIODE 1S1555
D106	8-719-815-55	DIODE 1S1555
D107	8-719-815-55	DIODE 1S1555
FL	1-519-215-00	INDICATOR TUBE, FLUORESCENT
IC1	8-759-110-17	IC UPC1018C-F
IC101	1-806-242-11	MSM55501RS
L1	1-420-856-00	COIL, FM RF
L2	1-409-293-00	COIL, AIR CORE
L3	1-425-795-00	COIL,HIGH FREQ TRANSFORMER(FM)
L4	1-401-790-00	ANTENNA, FERRITE-ROD (MW)
L101	1-408-082-00	MICRO INDUCTOR 120UH
P.T	1-446-346-41	(US,E2)...TRANSFORMER, POWER
P.T	1-446-485-31	(E1).....TRANSFORMER, POWER
P.T	1-446-486-41	(AEP).....TRANSFORMER, POWER
Q1	8-729-803-04	TRANSISTOR 2SC930-NP
Q2	8-729-803-04	TRANSISTOR 2SC930-NP
Q3	8-729-612-77	TRANSISTOR 2SA1027R
Q4	8-729-663-47	TRANSISTOR 2SC1364
Q5	8-729-100-13	TRANSISTOR 2SC2001
Q6	8-729-195-23	TRANSISTOR 2SA952
Q7	8-729-100-13	TRANSISTOR 2SC2001
Q101	8-729-612-77	TRANSISTOR 2SA733A-P
R108	1-213-128-00	METAL 56 5% 1W F
S1	1-552-370-00	SWITCH, SLIDE
S2	1-552-370-00	SWITCH, SLIDE
S3	1-552-370-00	(E1)....SWITCH, SLIDE
S4	1-553-028-00	(E1)....SWITCH, POWER SELECT

ELECTRICAL PARTS

Ref.No.	Part No.	Description
T1	1-403-872-00	I.F.T
T2	1-405-685-00	COIL,MW OSC
T3	1-404-144-00	TRANSFORMER, DISCRI (FM)
T4	1-403-953-00	TRANSFORMER,DISCRIMINATOR
T5	1-403-960-00	I.F.T DETECTION
VR	1-226-180-00	RES, VAR 10K

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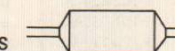
MYLAR CAPACITORS

CAP. (μF)	RATING																						
	50 VOLT.			100 VOLT.			200 VOLT.			CAP. (μF)	50 VOLT.			100 VOLT.			200 VOLT.						
	PART No.	PART No.	PART No.	PART No.	PART No.	PART No.	PART No.	PART No.	PART No.		PART No.	PART No.	PART No.	PART No.	PART No.	PART No.	PART No.	PART No.					
0.001	1-108-227-00	1-108-365-00	1-108-409-00	0.01	1-108-239-00	1-108-377-00	1-108-421-00	0.1	1-108-251-00	1-108-389-00	1-108-433-00	0.0012	1-108-351-00	1-108-366-00	1-108-410-00	0.012	1-108-357-00	1-108-378-00	1-108-422-00	0.12	1-108-363-00	1-108-390-00	1-108-434-00
0.0015	1-108-228-00	1-108-367-00	1-108-411-00	0.015	1-108-240-00	1-108-379-00	1-108-423-00	0.15	1-108-252-00	1-108-391-00	1-108-435-00	0.0018	1-108-352-00	1-108-368-00	1-108-412-00	0.018	1-108-358-00	1-108-380-00	1-108-424-00	0.18	1-108-364-00	1-108-392-00	1-108-436-00
0.0022	1-108-220-00	1-108-369-00	1-108-413-00	0.022	1-108-242-00	1-108-381-00	1-108-425-00	0.22	1-108-254-00	1-108-393-00	1-108-437-00	0.0027	1-108-353-00	1-108-370-00	1-108-414-00	0.027	1-108-359-00	1-108-382-00	1-108-426-00	0.27	1-108-354-00	-	-
0.0033	1-108-232-00	1-108-371-00	1-108-415-00	0.033	1-108-244-00	1-108-383-00	1-108-427-00	0.33	1-108-355-00	-	-	0.0039	1-108-354-00	1-108-372-00	1-108-416-00	0.039	1-108-360-00	1-108-384-00	1-108-428-00	0.39	1-108-356-00	-	-
0.0047	1-108-234-00	1-108-373-00	1-108-417-00	0.047	1-108-246-00	1-108-385-00	1-108-429-00	0.47	1-108-357-00	-	-	0.0056	1-108-355-00	1-108-374-00	1-108-418-00	0.056	1-108-361-00	1-108-386-00	1-108-430-00	0.47	1-108-358-00	-	-
0.0068	1-108-237-00	1-108-375-00	1-108-419-00	0.068	1-108-249-00	1-108-387-00	1-108-431-00	-	-	-	-	0.0082	1-108-356-00	1-108-376-00	1-108-420-00	0.082	1-108-362-00	1-108-388-00	1-108-432-00	-	-	-	-



TANTALUM CAPACITORS

CAP. (μF)	RATING → Use the high voltage rated one.						
	3.15 VOLT.	6.3 VOLT.	10 VOLT.	16 VOLT.	20 VOLT.	25 VOLT.	35 VOLT.
	PART No.	PART No.	PART No.	PART No.	PART No.	PART No.	PART No.
0.01					→	→	1-131-396-00
0.015						→	1-131-397-00
0.022						→	1-131-398-00
0.033						→	1-131-399-00
0.047						→	1-131-400-00
0.068					→	→	1-131-401-00
0.1					→	→	1-131-402-00
0.15					→	→	1-131-403-00
0.22					→	→	1-131-404-00
0.33					→	1-131-409-00	1-131-405-00
0.47					1-131-412-00	→	1-131-406-00
0.68				1-131-415-00	→	1-131-410-00	1-131-407-00
1.0			1-131-418-00		1-131-413-00	→	1-131-408-00
1.5		1-131-421-00		1-131-416-00	→	1-131-411-00	1-131-348-00
2.2	1-131-424-00		1-131-419-00		1-131-414-00	1-131-355-00	1-131-349-00
3.3		1-131-422-00		1-131-417-00	1-131-362-00	1-131-356-00	1-131-350-00
4.7	1-131-425-00		1-131-420-00	1-131-369-00	1-131-363-00	1-131-357-00	1-131-351-00
6.8		1-131-423-00	1-131-376-00	1-131-370-00	1-131-364-00	1-131-358-00	1-131-352-00
10	1-131-426-00	1-131-383-00	1-131-377-00	1-131-371-00	1-131-365-00	1-131-359-00	1-131-353-00
15	1-131-390-00	1-131-384-00	1-131-378-00	1-131-372-00	1-131-366-00	1-131-360-00	-
22	1-131-391-00	1-131-385-00	1-131-379-00	1-131-373-00	1-131-367-00		
33	1-131-392-00	1-131-386-00	1-131-380-00	1-131-374-00			
47	1-131-393-00	1-131-387-00	1-131-381-00				
68	1-131-394-00	1-131-388-00					
100	1-131-395-00						



TANTALUM CAPACITORS

CAP. (μF)	RATING					
	3 VOLT.	6.3 VOLT.	10 VOLT.	16 VOLT.	20 VOLT.	35 VOLT.
	PART No.	PART No.	PART No.	PART No.	PART No.	PART No.
0.033						1-131-273-00
0.047						1-131-274-00
0.068						1-131-275-00
0.1						1-131-276-00
0.15						1-131-277-00
0.22					1-131-262-00	1-131-278-00
0.33					1-131-263-00	1-131-279-00
0.47			1-131-169-00		1-131-264-00	1-131-280-00
0.68				1-131-258-00	1-131-265-00	1-131-281-00
1.0			1-131-254-00		1-131-266-00	1-131-282-00
1.5		1-131-250-00			1-131-267-00	1-131-283-00
2.2				1-131-259-00	1-131-268-00	1-131-284-00
3.3			1-131-255-00		1-131-269-00	
4.7		1-131-251-00	1-131-171-00		1-131-270-00	
6.8				1-131-260-00	1-131-271-00	
10			1-131-256-00		1-131-272-00	
15		1-131-252-00		1-131-261-00		
22			1-131-257-00			
33	1-131-176-00	1-131-253-00	1-131-173-00			
47	1-131-288-00	1-131-174-00				
100	1-131-177-00					

ELECTROLYTIC CAPACITORS

Table of electrolytic capacitor ratings with columns for CAP. (μF) and voltage ratings (6.3 VOLT to 50 VOLT).

Table of electrolytic capacitor ratings with columns for CAP. (μF) and voltage ratings (100 VOLT to 350 VOLT).

CERAMIC CAPACITORS

Table of ceramic capacitor ratings with columns for CAP. (pF) and voltage ratings (50 VOLT).

0.001μF = 1,000pF

CERAMIC (SEMICONDUCTOR) CAPACITORS

Table of ceramic (semiconductor) capacitor ratings with columns for CAP. (μF) and voltage ratings (25 VOLT, 50 VOLT).

1/4 WATT CARBON RESISTORS

Table of 1/4 watt carbon resistor values with columns for resistance (Ω) and part numbers (1-246-401-00 to 1-246-544-00).

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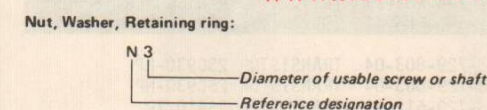
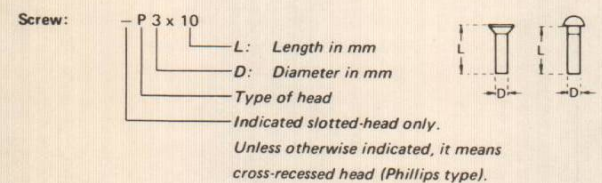


Table of hardware nomenclature with columns for Reference Designation, Shape, Description, and Remarks.

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