

ICF-S5W

US Model

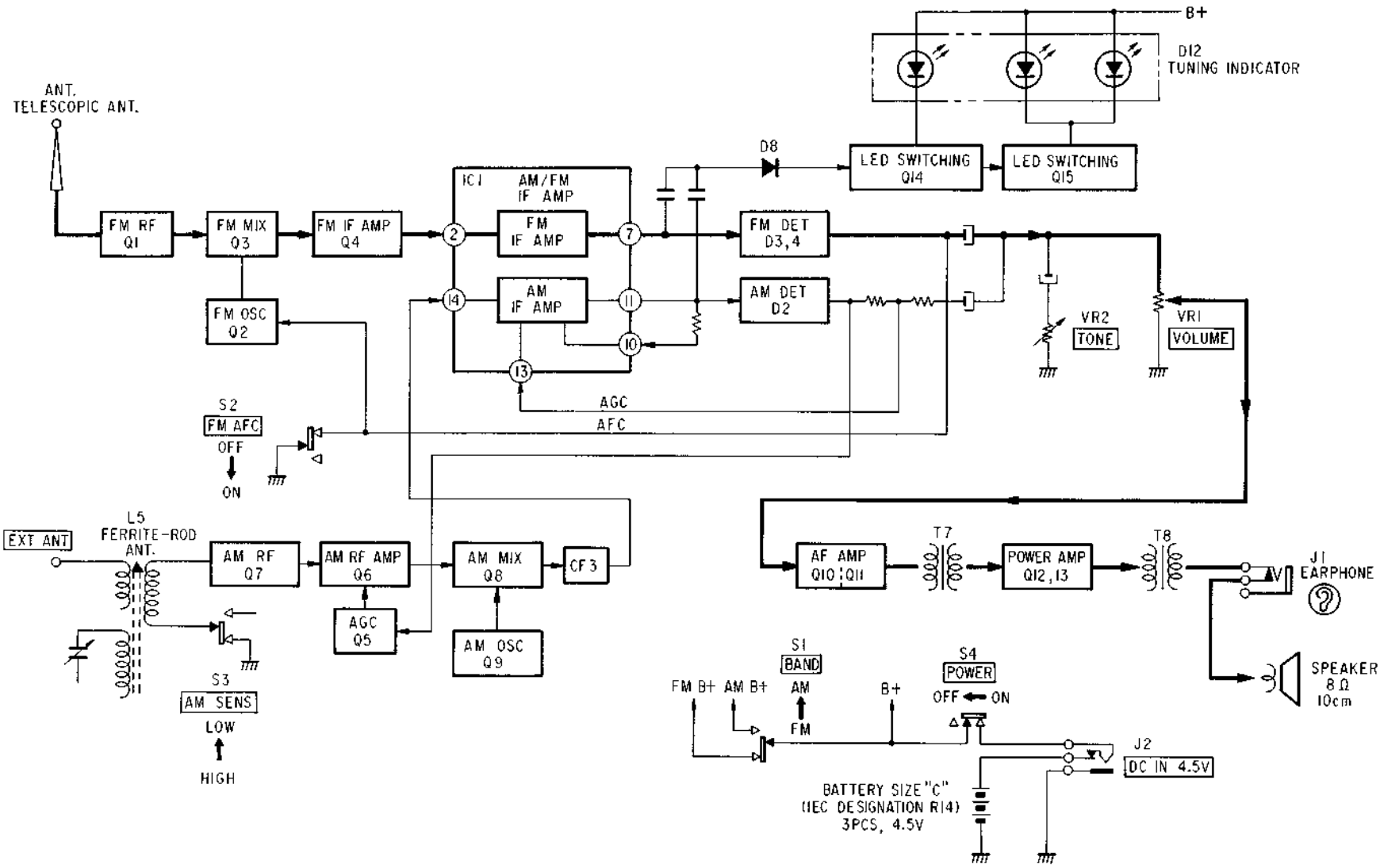


FM/AM 2 BAND RECEIVER

SPECIFICATIONS

Frequency range	FM 87.5-108MHz AM 530-1,605kHz (566-187 m)
Antennas	FM: Telescopic antenna AM: Built-in ferrite bar antenna External antenna terminals
Speaker	Approx. 10 cm (4 inches) dia.
Power output	1.3W (at 10% harmonic distortion)
Output jack	Earphone jack (minijack) for 8-ohm earphone or load impedance 10 kilohms or higher
Power requirements	4.5 V DC, three batteries, size C (IEC designation R14) 120 V AC, 60 Hz with optional Sony AC-120W AC Power Adaptor 12V car battery with optional Sony DCC-127A Car Battery Cord
Battery life	Approx. 50 hours using Eveready No. 1235 Heavy Duty Batteries
Dimensions	Approx. 224×162×59 mm (w/h/d) (8 ⁷ / ₈ ×6 ¹ / ₂ ×2 ³ / ₈ inches) incl. projecting parts and controls
Weight	Approx. 1.2 kg (2 lb 10 oz) incl. batteries

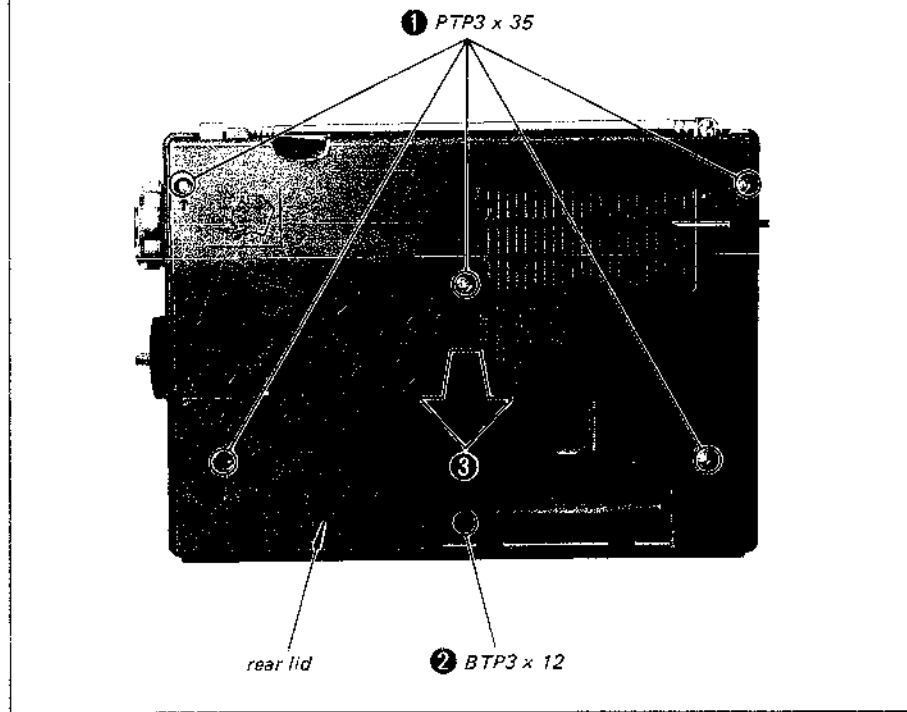
SONY[®]
SERVICE MANUAL



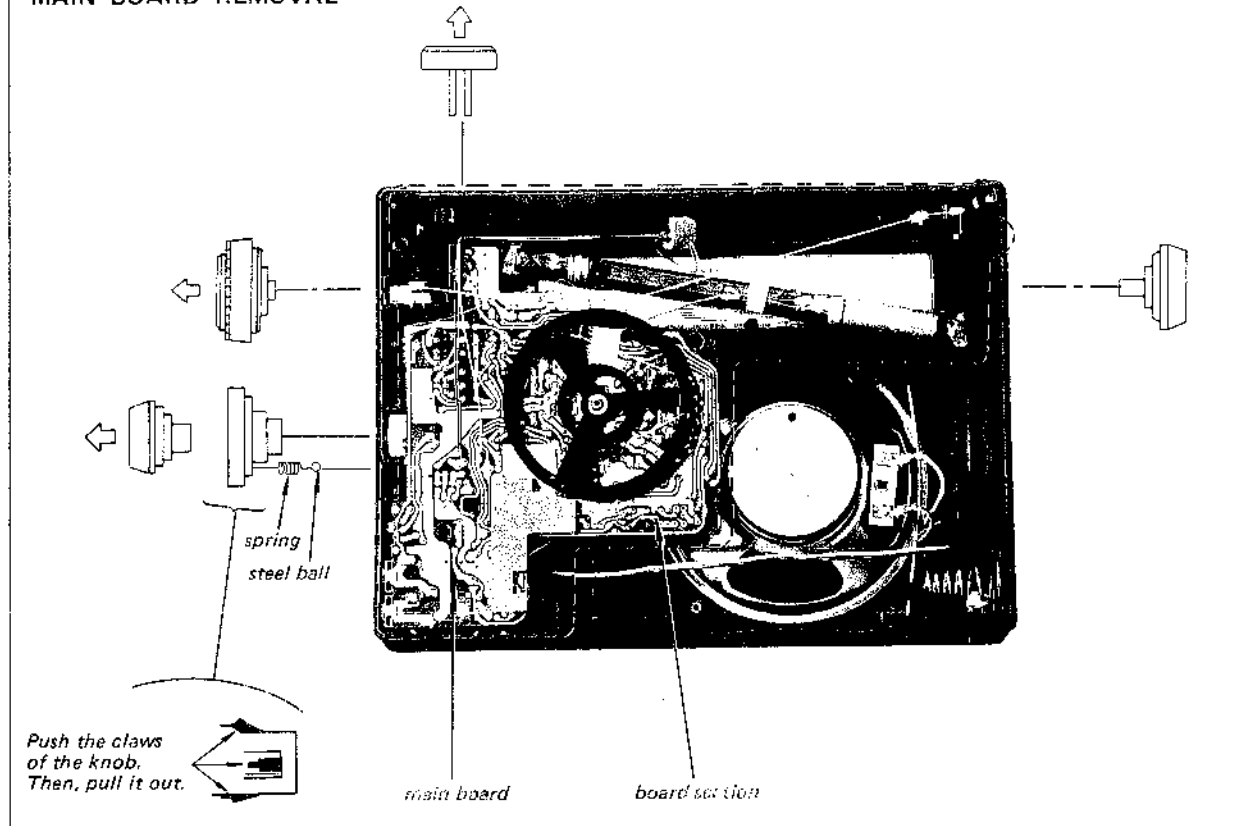
SECTION 1
BLOCK DIAGRAM

SECTION 2
DISASSEMBLY

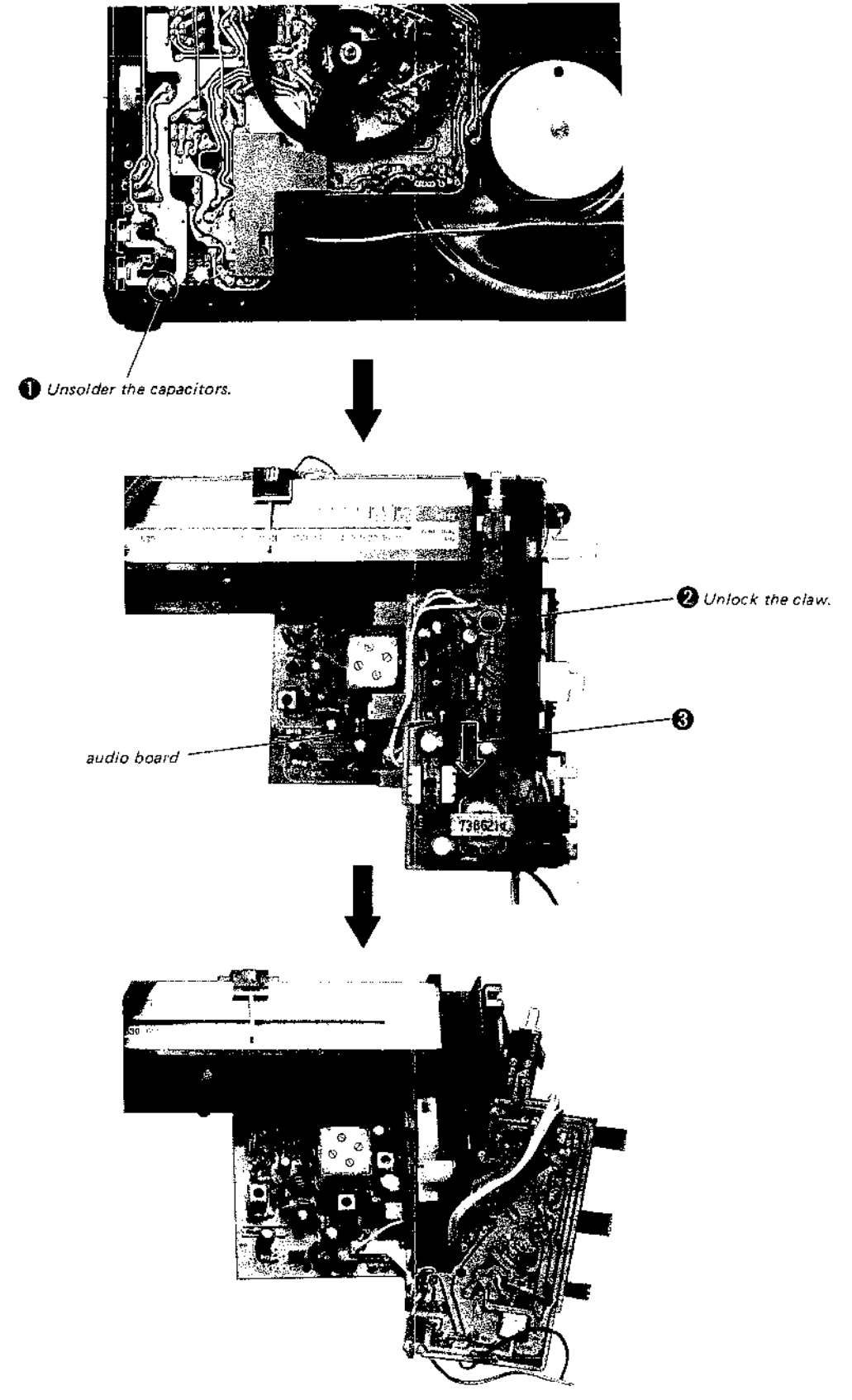
REAR LID REMOVAL



MAIN BOARD REMOVAL

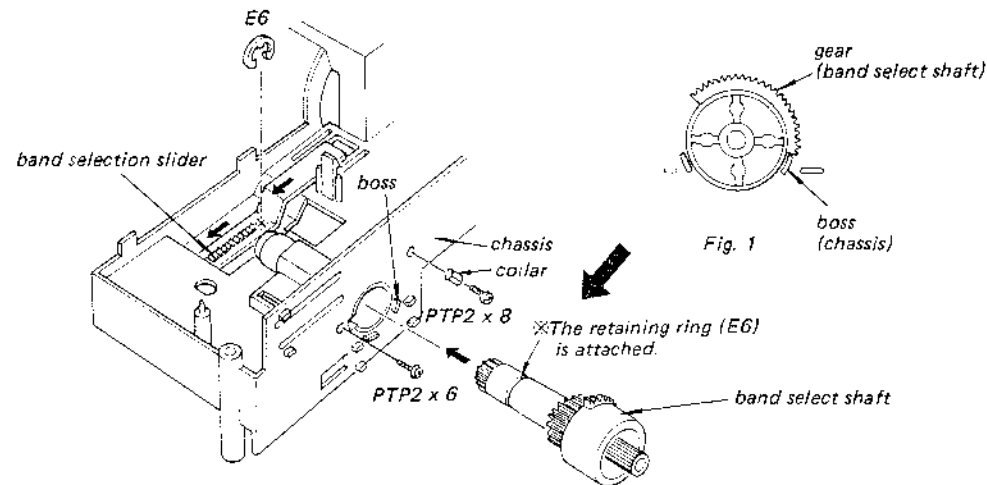


AUDIO BOARD REMOVAL



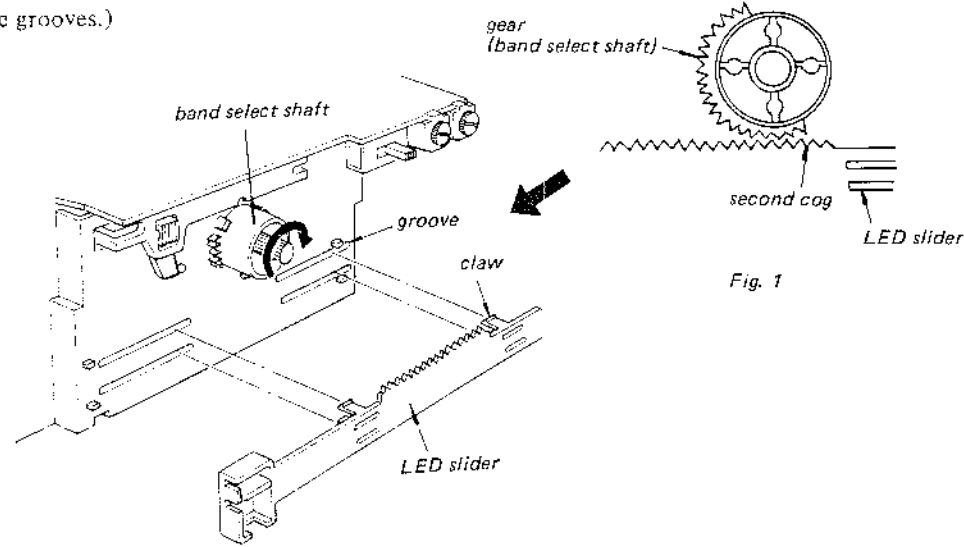
BAND SELECT SHAFT INSTALLATION

1. Move the band selection slider fully to the direction shown by the arrows.
2. Install the band select shaft to the chassis so that the gear of the shaft engage the boss of the chassis at shown in Fig. 1.
3. Hold the band select shaft with the retaining ring (E6).



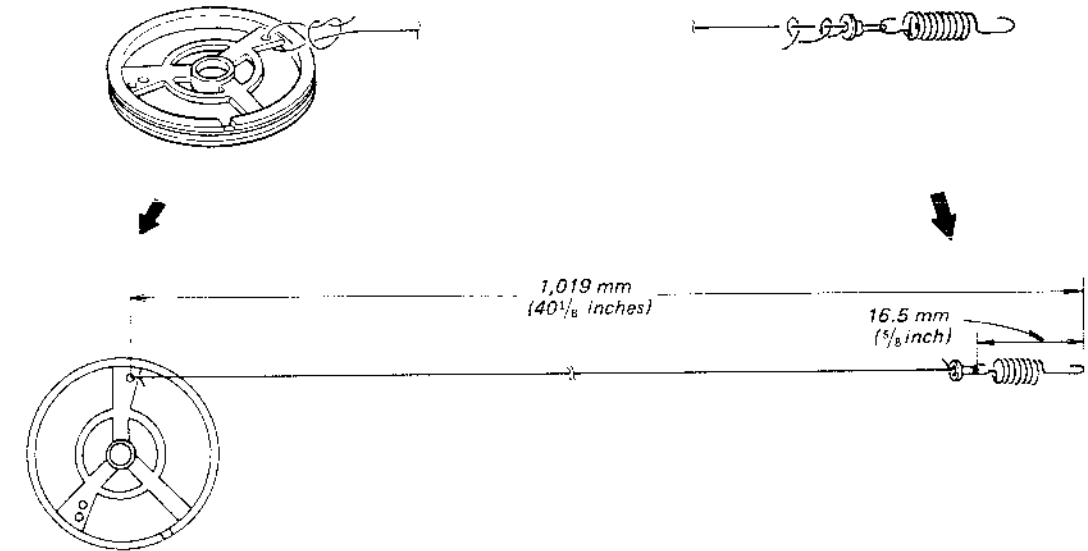
LED SLIDER INSTALLATION

1. Turn the band select shaft fully clockwise.
2. Install the LED slider to the chassis as shown in Fig. 1.
(The LED slider has the four claws. When installing the LED slider, hook the claws to the grooves.)



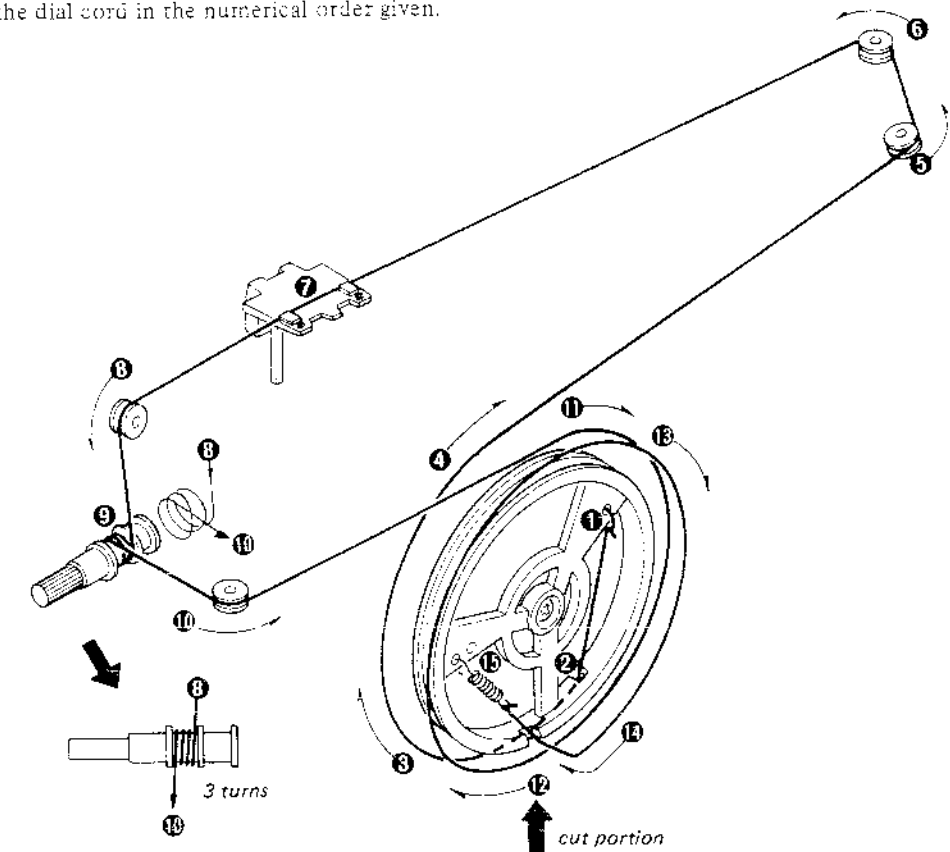
DIAL CORD STRINGING

1) Dial Cord Preparation



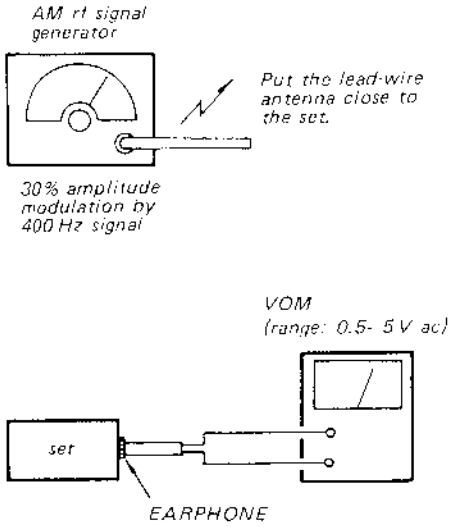
2) Dial Cord Stringing

1. Turn the tuning capacitor fully clockwise (See from the dial drum side).
2. Install the dial drum to the tuning capacitor as shown below.
3. String the dial cord in the numerical order given.

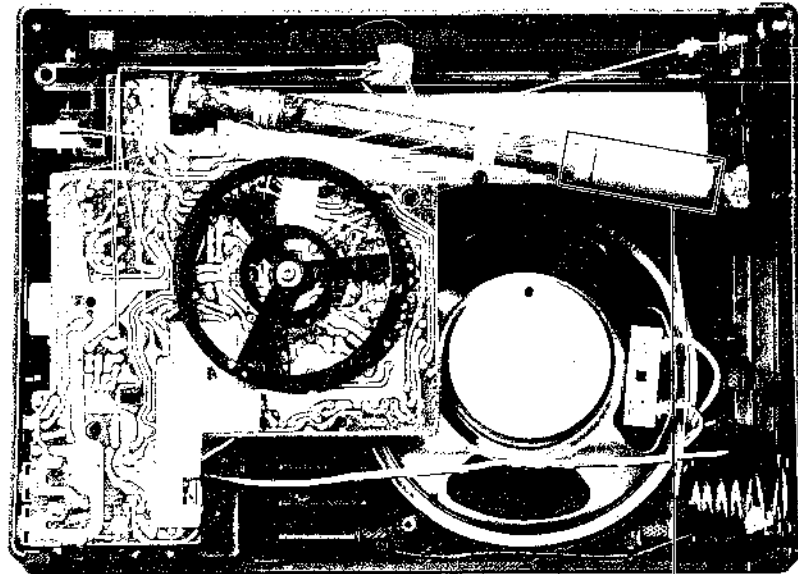


SECTION 3
ADJUSTMENTS

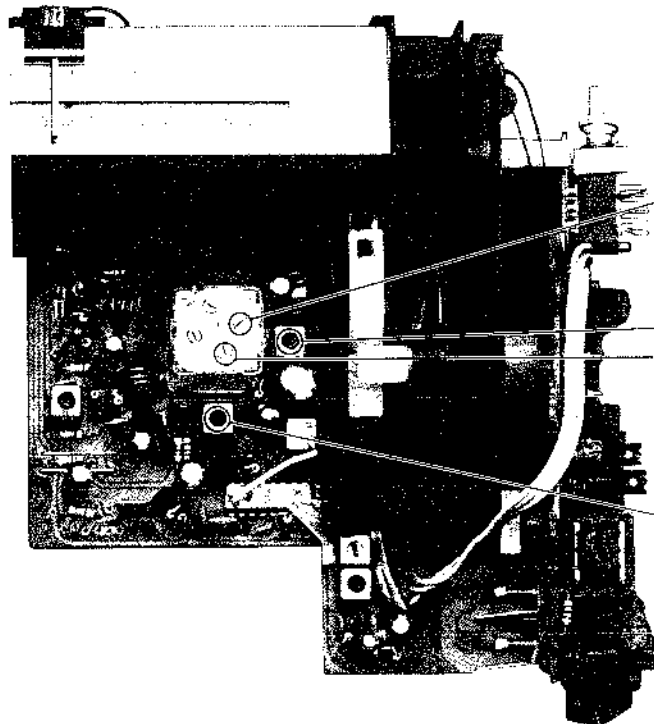
AM SECTION



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



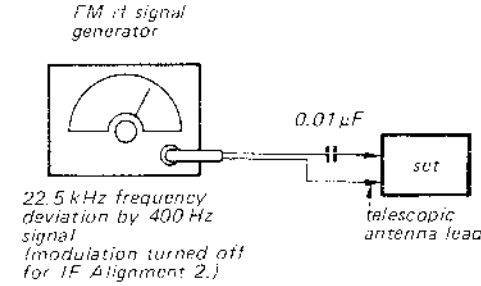
AM TRACKING ADJUSTMENT	
Adjust for a maximum reading on VOM.	
620 kHz	L5
1400 kHz	CT1-4



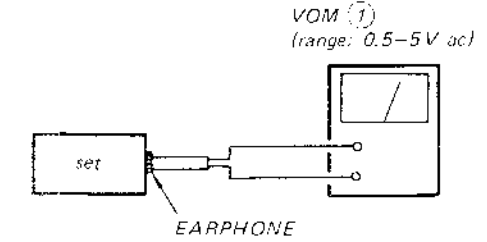
T2	520 kHz
CT1-3	1680 kHz
Adjust for a maximum reading on VOM.	
AM FREQUENCY COVERAGE ADJUSTMENT	

AM IF ALIGNMENT	
Adjust for a maximum reading on VOM.	
455 kHz	T3

FM SECTION



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

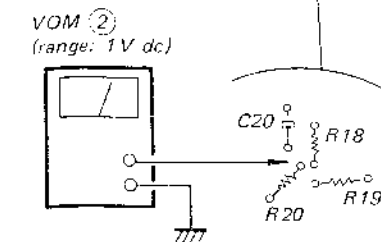


FM TRACKING ADJUSTMENT	
Adjust for a maximum reading on VOM (1).	
86.2 MHz	109.2 MHz
L1	CT1-2

FM FREQUENCY COVERAGE ADJUSTMENT	
Adjust for a maximum reading on VOM (1).	
109.2 MHz	CT1-1
86.2 MHz	T2

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

T5	
Adjust for 0V reading on VOM (2).	
FM IF ALIGNMENT 2 (10.7 MHz with no modulation)	



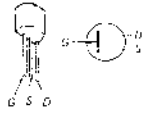
SECTION 4
DIAGRAMS

ICF-S5W ICF-S5W

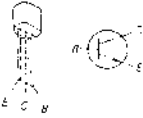
4-1. MOUNTING DIAGRAM

Semiconductors

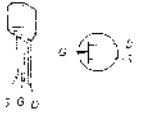
2SK192



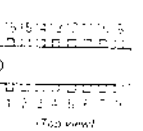
2SC930, 2SC930D
2SC1363, 2SC1364
2SC1474, 2SC930E
2SD788



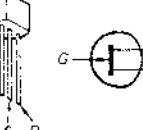
2SK184



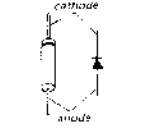
μPC1018C



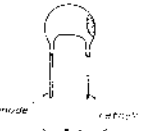
2SK120



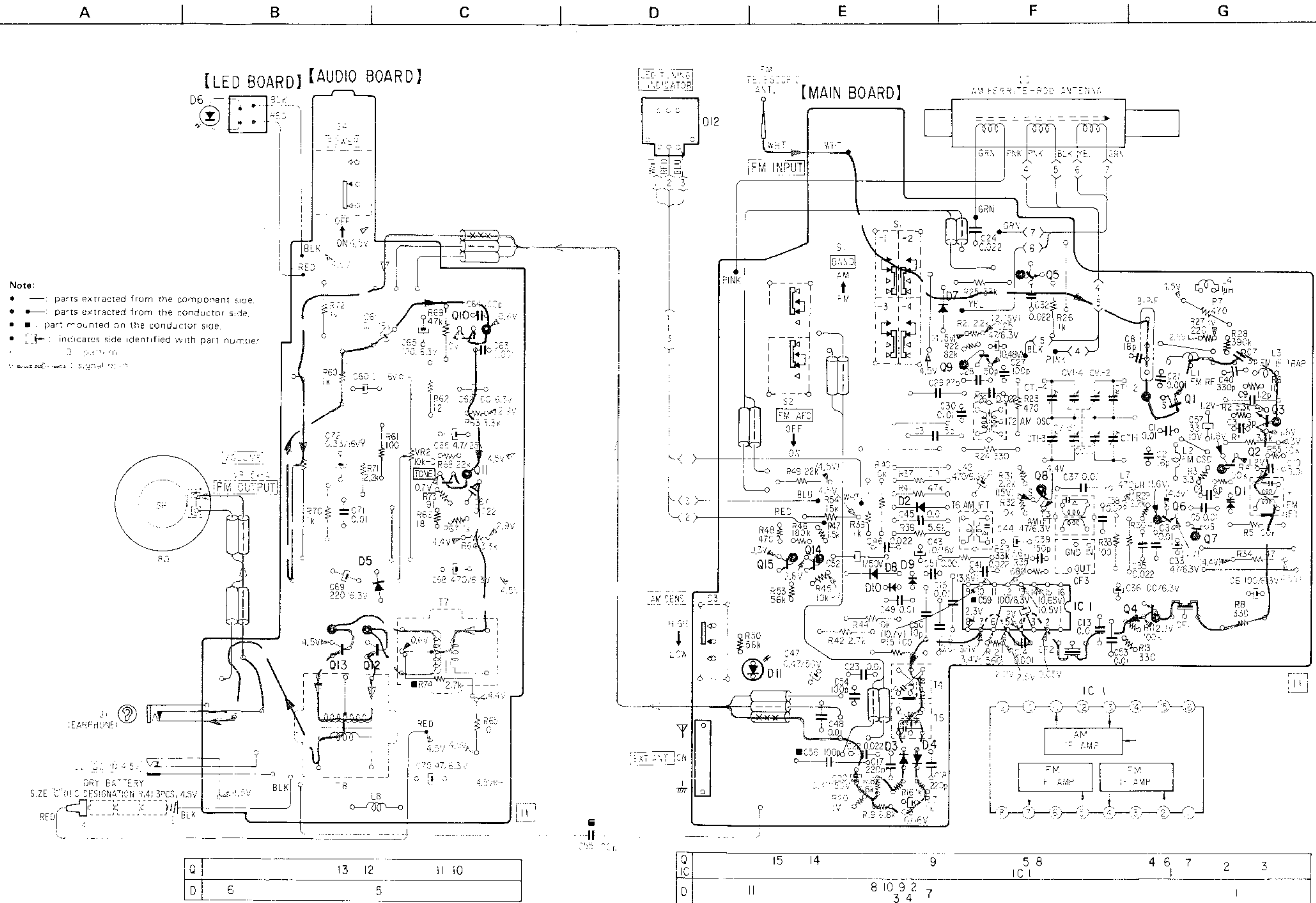
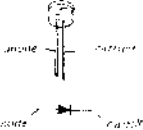
1S2139C, SD115
1T22AM, 1T23
1T261
1S1555



VD1120



SLP131B

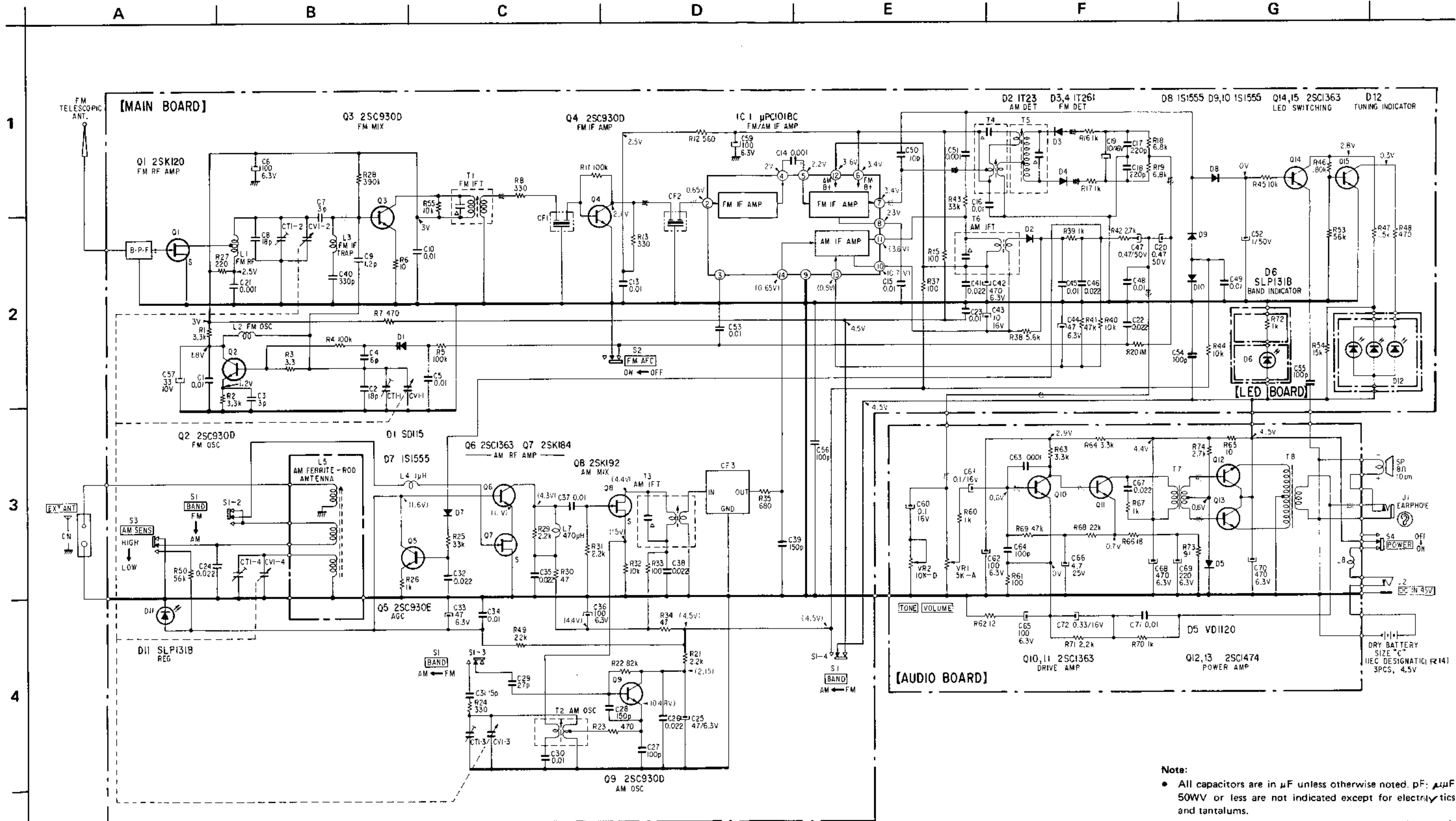


Q		13	12	11	10
D	6		5		

Q		15	14		9		5	8		4	6	7	2	3
IC								IC1						
D	11			8	10	9	2							1

ICF-S5W ICF-S5W

4-2. SCHEMATIC DIAGRAM

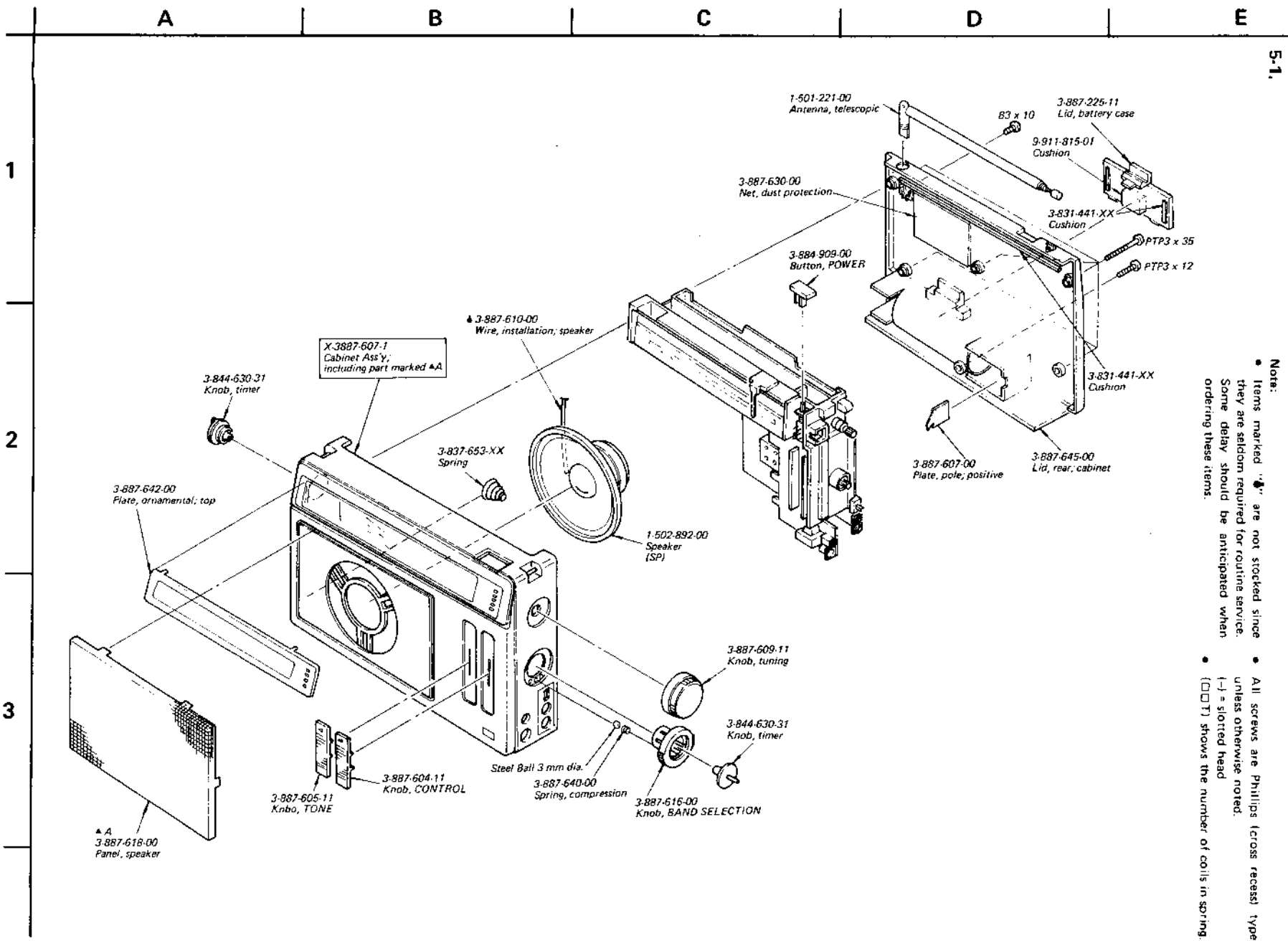


- Note:**
- All capacitors are in μF unless otherwise noted. pF : μF 50WV or less are not indicated except for electrolytics and tantalums.
 - All resistors are in ohms, $\frac{1}{2}\text{W}$ unless otherwise noted. $\text{k}\Omega$: 1000 Ω , $\text{M}\Omega$: 1000 $\text{k}\Omega$
 - Δ : internal component.
 - : panel designation.
 - --- : B+ bus.
 - Readings are taken under detuned conditions with 5V O.M (20 $\text{k}\Omega/\text{V}$).
 - () : BAND SELECT Switch AM
no mark: BAND SELECT Switch FM
 - --- : signal path.

SECTION 5
EXPLODED VIEWS

ICF-S5W ICF-S5W

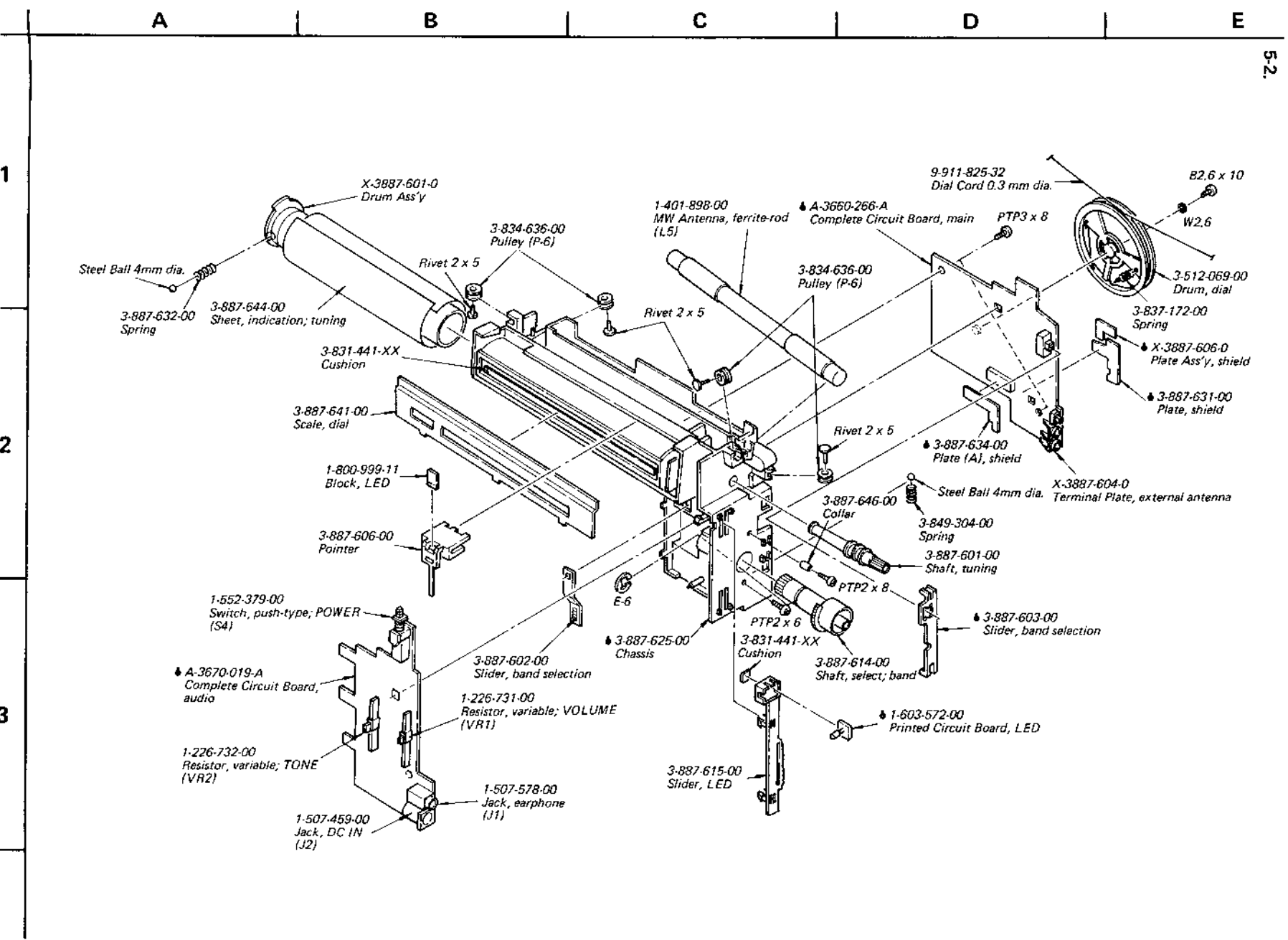
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Note:

- Items marked "X" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- All screws are Phillips (cross recess) type unless otherwise noted.
- (-) = slotted head
- (□□T) shows the number of coils in spring.

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**SECTION 6
ELECTRICAL PARTS LIST**

• Items marked "•" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

Ref. No. Part No. Description

SEMICONDUCTORS

Transistors

Q1	8-769-111-00	2SK120
Q2-5	8-729-803-04	2SC930
Q6	8-729-663-47	2SC1364
Q7	8-729-218-42	2SK184
Q8	8-729-219-21	2SK192
Q9	8-729-803-04	2SC930
Q10, 11	8-729-663-47	2SC1364
Q12, 13	8-729-378-84	2SD788
Q14, 15	8-729-663-47	2SC1364

Diodes

D1	8-719-713-93	1S2139C
D2	8-719-422-21	1T22AM
D3, 4	8-719-026-11	1T261
D5	8-719-112-01	VD1120
D6	8-719-901-31	SLP131B
D7-10	8-719-815-55	1S1555
D11	8-719-901-31	SLP131B
D12	1-800-999-11	Block type

IC

IC1	8-759-110-15	μPC1018C
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CAPACITORS

Common capacitors are omitted. Refer to the list on page 16 and 17 for their part numbers. p: μμF.

C2	1-102-640-00	18 p	50 V	ceramic
C9	1-161-248-00	1.2 p	50 V	ceramic
C72	1-131-454-00	0.33 μF	16 V	elect
CT1 CV1	1-151-371-00	Tuning, polyethylene		

RESISTORS

Common 1/4 W carbon resistors are omitted. Refer to the list on the last page for their part numbers. kΩ: 1000 Ω.

VR1	1-226-731-00	5 kΩ, variable; VOLUME
VR2	1-226-732-00	10 kΩ, variable; TONE

Ref. No. Part No. Description

MISCELLANEOUS

BPF	1-231-892-00	BAND PASS FILTER
CF1, 2	1-527-184-XX	Ceramic Filter, 10.7 MHz
CF3	1-527-290-00	Ceramic Filter
J1	1-507-578-00	Jack, earphone
J2	1-507-459-00	Jack, DC IN
L3	•1-409-293-00	Coil
L4	1-407-178-XX	Microinductor, 1 μH
L5	1-401-898-00	Antenna, ferrite-rod
L7	1-407-177-XX	Microinductor, 470 μH
L8	•1-442-025-00	Coil, choke
S1	1-553-050-21	Switch, slide; BAND
S2	1-553-506-00	Switch, slide; FM AFC
S3	1-552-370-21	Switch, slide; AM SENS
S4	1-552-379-00	Switch, push; POWER
SP	1-502-892-00	Speaker
T1	1-404-031-00	Coil, IFT
T2	1-405-685-11	Coil, MW OSC
T3	1-404-023-00	Coil, IFT
T4	1-404-144-00	Transformer, discriminator (FM)
T5	1-403-953-00	Transformer, discriminator
T6	1-404-100-00	Coil, IFT
T7	1-423-245-00	Transformer, input
T8	1-427-386-XX	Transformer, output
	1-501-221-00	Antenna, telescopic
	1-800-999-11	Diode, block type

•A-3660-266-A Complete Circuit Board, main
•A-3670-019-A Complete Circuit Board, audio

•1-603-572-00 Printed Circuit Board, LED

ACCESSORIES & PACKING MATERIALS

<u>Part No.</u>	<u>Description</u>
X-3887-609-0	Belt Ass'y, carrying
1-504-075-00	Earphone, magnetic
3-701-623-00	Bag, plastic
3-701-999-00	Label, serial number
3-844-683-00	Button (for carrying belt)
3-887-648-00	Carton
3-884-538-00	Sheet, protection
3-887-628-00	Cushion, left
3-887-629-00	Cushion, right
3-995-871-21	Manual, instruction

ELECTROLYTIC CAPACITORS

CAP. (μF)	RATING → : Use the high voltage rated one.					
	6.3 VOLT. PART No.	10 VOLT. PART No.	16 VOLT. PART No.	25 VOLT. PART No.	35 VOLT. PART No.	50 VOLT. PART No.
0.47						1-121-726-00
1.0						1-121-391-00
2.2						1-121-450-00
3.3	→	→	→	1-121-392-00	→	1-121-393-00
4.7	→	→	→	1-121-395-00	→	1-121-396-00
10	→	→	1-121-651-00	1-121-398-00	→	1-121-738-00
22	→	→	1-121-479-00	1-121-480-00	1-121-662-00	1-121-152-00
33	→	→	1-121-403-00	1-121-404-00	1-121-652-00	1-121-405-00
47	→	1-121-352-00	1-121-409-00	1-121-410-00	1-121-653-00	1-121-411-00
100	→	1-121-414-00	1-121-415-00	1-121-416-00	1-121-357-00	1-121-417-00
220	1-121-419-00	1-121-420-00	1-121-421-00	1-121-422-00	1-121-261-00	1-121-423-00
330	1-121-751-00	1-121-805-00	1-121-521-00	1-121-654-00	1-121-655-00	1-121-656-00
470	1-121-424-00	1-121-425-00	1-121-426-00	1-121-733-00	1-121-361-00	1-121-810-00
1000	-	1-121-736-00	1-121-245-00	1-121-657-00	1-121-388-00	1-123-061-00
2200	1-121-658-00	1-121-659-00	1-121-660-00	1-123-067-00	1-121-984-00	-
3300	1-121-661-00	1-123-075-00	1-123-071-00	-	-	-

CAP. (μF)	100 VOLT.	160 VOLT.	250 VOLT.	350 VOLT.
	PART No.	PART No.	PART No.	PART No.
0.47	-	-	-	-
1.0	1-123-249-00	1-123-252-00	1-123-003-00	1-121-168-00
2.2	1-123-250-00	1-123-026-00	-	1-123-028-00
3.3	1-121-995-00	-	1-123-004-00	1-123-006-00
4.7	1-123-255-00	1-121-246-00	1-121-759-00	1-123-007-00
10	1-121-126-00	1-121-999-00	1-123-254-00	1-123-008-00
22	1-121-996-00	1-123-253-00	1-123-005-00	1-123-022-00
33	1-121-997-00	1-121-757-00	-	-
47	1-123-251-00	1-121-919-00	-	-
100	1-123-084-00	-	-	-

CERAMIC CAPACITORS

RATING							
CAP. (pF)	50 VOLT.	CAP. (pF)	50 VOLT.	CAP. (pF)	50 VOLT.	CAP. (μF)	50 VOLT.
	PART No.		PART No.		PART No.		PART No.
0.5	1-101-837-00	22	1-102-959-00	150	1-101-361-00	0.001	1-102-074-00
0.75	1-101-586-00	24	1-102-960-00	160	1-101-367-00	0.0012	1-102-118-00
1.0	1-102-934-00	27	1-102-961-00	180	1-102-976-00	0.0015	1-102-119-00
1.5	1-101-576-00	30	1-102-962-00	200	1-102-977-00	0.0018	1-102-120-00
2.0	1-102-935-00	33	1-102-963-00	220	1-102-978-00	0.0022	1-102-121-00
3	1-102-936-00	36	1-102-964-00	240	1-102-979-00	0.0027	1-102-122-00
4	1-102-937-00	39	1-102-965-00	270	1-102-980-00	0.0033	1-102-123-00
5	1-102-942-00	43	1-102-966-00	300	1-102-981-00	0.0039	1-102-124-00
6	1-102-943-00	47	1-101-880-00	330	1-102-820-00	0.0047	1-102-125-00
7	1-102-944-00	51	1-101-882-00	360	1-102-821-00	0.0056	1-102-126-00
8	1-102-945-00	56	1-101-884-00	390	1-102-822-00	0.0068	1-102-127-00
9	1-102-946-00	62	1-101-886-00	430	1-102-823-00	0.0082	1-102-128-00
10	1-102-947-00	68	1-101-888-00	470	1-102-824-00	0.01	1-102-129-00
11	1-102-948-00	75	1-101-890-00	510	1-101-059-00	0.022	1-101-005-00
12	1-102-949-00	82	1-102-971-00	560	1-102-115-00	0.047	1-101-006-00
13	1-102-950-00	91	1-102-972-00	680	1-102-116-00		
15	1-102-951-00	100	1-102-973-00	820	1-102-117-00		
16	1-102-952-00	110	1-102-815-00				
18	1-102-953-00	120	1-102-816-00				
20	1-102-958-00	130	1-101-081-00				

0.001μF = 1,000pF

CERAMIC (SEMICONDUCTOR) CAPACITORS

RATING → : Use the high voltage rated one.					
CAP. (μF)	25 VOLT.	50 VOLT.	CAP. (μF)	25 VOLT.	50 VOLT.
	PART No.	PART No.		PART No.	PART No.
0.001	→	1-161-039-00	0.018	1-161-016-00	1-161-054-00
0.0012	→	1-161-040-00	0.022	1-161-017-00	1-161-055-00
0.0015		1-161-041-00	0.027	1-161-018-00	1-161-056-00
0.0018		1-161-042-00	0.033	1-161-019-00	1-161-057-00
0.0022		1-161-043-00	0.039	1-161-010-00	1-161-058-00
0.0027	→	1-161-044-00	0.047	1-161-021-00	1-161-059-00
0.0033	→	1-161-045-00	0.056	→	1-161-060-00
0.0039	→	1-161-046-00	0.068	→	1-161-061-00
0.0047	→	1-161-047-00	0.082	1-161-024-00	1-161-062-00
0.0056	→	1-161-048-00	0.1	1-161-025-00	1-161-063-00
0.0068	→	1-161-049-00			
0.0082	1-161-012-00	1-161-050-00			
0.01	1-161-013-00	1-161-051-00			
0.012	→	1-161-052-00			
0.015	1-161-015-00	1-161-053-00			

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	1-108-331-00	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	1-108-230-00	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	1-108-854-00	-	-								
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	1-108-855-00	-	-								
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	1-108-856-00	-	-								
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	1-108-857-00	-	-								
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	-	-	-	-								
0.0068	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.		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														1-131-405-00	
0.47														1-131-406-00	
0.68														1-131-407-00	
1.0														1-131-408-00	
1.5														1-131-348-00	
2.2	1-131-424-00													1-131-349-00	
3.3														1-131-350-00	
4.7	1-131-425-00													1-131-351-00	
6.8														1-131-352-00	
10	1-131-426-00													1-131-353-00	
15	1-131-390-00													-	
22	1-131-391-00													-	
33	1-131-392-00													-	
47	1-131-393-00													-	
68	1-131-394-00													-	
100	1-131-395-00													-	



TANTALUM CAPACITORS

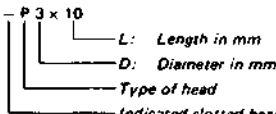
CAP. (μF)	RATING											
	3 VOLT.		6.3 VOLT.		10 VOLT.		16 VOLT.		20 VOLT.		35 VOLT.	
	PART No.	PART No.	PART No.	PART No.	PART No.	PART No.	PART No.	PART No.	PART No.	PART No.	PART No.	
0.033												1-131-273-00
0.047												1-131-274-00
0.068												1-131-275-00
0.1												1-131-276-00
0.15												1-131-277-00
0.22												1-131-278-00
0.33												1-131-279-00
0.47												1-131-280-00
0.68												1-131-281-00
1.0												1-131-282-00
1.5												1-131-283-00
2.2												1-131-284-00
3.3												-
4.7												-
6.8												-
10												-
15												-
22												-
33	1-131-176-00											-
47	1-131-288-00											-
100	1-131-177-00											-

1/4 WATT CARBON RESISTORS

Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.
1.0	1-246-401-00	10	1-246-425-00	100	1-246-449-00	1.0k	1-246-473-00	10k	1-246-497-00	100k	1-246-521-00	1.0M	1-246-545-00
1.1	1-246-402-00	11	1-246-426-00	110	1-246-450-00	1.1k	1-246-474-00	11k	1-246-498-00	110k	1-246-522-00	1.1M	1-210-814-00
1.2	1-246-403-00	12	1-246-427-00	120	1-246-451-00	1.2k	1-246-475-00	12k	1-246-499-00	120k	1-246-523-00	1.2M	1-210-815-00
1.3	1-246-404-00	13	1-246-428-00	130	1-246-452-00	1.3k	1-246-476-00	13k	1-246-500-00	130k	1-246-524-00	1.3M	1-210-816-00
1.5	1-246-405-00	15	1-246-429-00	150	1-246-453-00	1.5k	1-246-477-00	15k	1-246-501-00	150k	1-246-525-00	1.5M	1-210-817-00
1.6	1-246-406-00	16	1-246-430-00	160	1-246-454-00	1.6k	1-246-478-00	16k	1-246-502-00	160k	1-246-526-00	1.6M	1-210-818-00
1.8	1-246-407-00	18	1-246-431-00	180	1-246-455-00	1.8k	1-246-479-00	18k	1-246-503-00	180k	1-246-527-00	1.8M	1-210-819-00
2.0	1-246-408-00	20	1-246-432-00	200	1-246-456-00	2.0k	1-246-480-00	20k	1-246-504-00	200k	1-246-528-00	2.0M	1-210-820-00
2.2	1-246-409-00	22	1-246-433-00	220	1-246-457-00	2.2k	1-246-481-00	22k	1-246-505-00	220k	1-246-529-00	2.2M	1-210-821-00
2.4	1-246-410-00	24	1-246-434-00	240	1-246-458-00	2.4k	1-246-482-00	24k	1-246-506-00	240k	1-246-530-00	2.4M	1-244-754-00
2.7	1-246-411-00	27	1-246-435-00	270	1-246-459-00	2.7k	1-246-483-00	27k	1-246-507-00	270k	1-246-531-00	2.7M	1-244-755-00
3.0	1-246-412-00	30	1-246-436-00	300	1-246-460-00	3.0k	1-246-484-00	30k	1-246-508-00	300k	1-246-532-00	3.0M	1-244-756-00
3.3	1-246-413-00	33	1-246-437-00	330	1-246-461-00	3.3k	1-246-485-00	33k	1-246-509-00	330k	1-246-533-00	3.3M	1-244-757-00
3.6	1-246-414-00	36	1-246-438-00	360	1-246-462-00	3.6k	1-246-486-00	36k	1-246-510-00	360k	1-246-534-00	3.6M	1-244-758-00
3.9	1-246-415-00	39	1-246-439-00	390	1-246-463-00	3.9k	1-246-487-00	39k	1-246-511-00	390k	1-246-535-00	3.9M	1-244-759-00
4.3	1-246-416-00	43	1-246-440-00	430	1-246-464-00	4.3k	1-246-488-00	43k	1-246-512-00	430k	1-246-536-00	4.3M	1-244-760-00
4.7	1-246-417-00	47	1-246-441-00	470	1-246-465-00	4.7k	1-246-489-00	47k	1-246-513-00	470k	1-246-537-00	4.7M	1-244-761-00
5.1	1-246-418-00	51	1-246-442-00	510	1-246-466-00	5.1k	1-246-490-00	51k	1-246-514-00	510k	1-246-538-00	5.1M	1-244-762-00
5.6	1-246-419-00	56	1-246-443-00	560	1-246-467-00	5.6k	1-246-491-00	56k	1-246-515-00	560k	1-246-539-00		
6.2	1-246-420-00	62	1-246-444-00	620	1-246-468-00	6.2k	1-246-492-00	62k	1-246-516-00	620k	1-246-540-00		
6.8	1-246-421-00	68	1-246-445-00	680	1-246-469-00	6.8k	1-246-493-00	68k	1-246-517-00	680k	1-246-541-00		
7.5	1-246-422-00	75	1-246-446-00	750	1-246-470-00	7.5k	1-246-494-00	75k	1-246-518-00	750k	1-246-542-00		
8.2	1-246-423-00	82	1-246-447-00	820	1-246-471-00	8.2k	1-246-495-00	82k	1-246-519-00	820k	1-246-543-00		
9.1	1-246-424-00	91	1-246-448-00	910	1-246-472-00	9.1k	1-246-496-00	91k	1-246-520-00	910k	1-246-544-00		

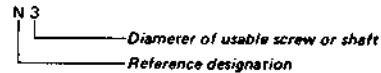
HARDWARE NOMENCLATURE

Screw:



Indicated slotted-head only.
Unless otherwise indicated, it means cross-recessed head (Phillips type).

Nut, Washer, Retaining ring:



Reference Designation	Shape	Description	Remarks
SCREWS			
P		pan-head screw	binding-head (B) screw for replacement
PWH		pan-head screw with washer face	binding-head (B) screw and flat washer for replacement
PS PSP		pan-head screw with spring washer	binding-head (B) screw and spring washer for replacement
PSW PSPW		pan-head screw with spring and flat washers	binding-head (B) screw and spring and flat washers for replacement
R		round-head screw	binding-head (B) screw for replacement
K		flat-countersunk-head screw	
RK		oval-countersunk-head screw	
B		binding-head screw	
T		truss-head screw	binding-head (B) screw for replacement
F		flat-filister-head screw	
RF		filister-head screw	
BV		braizer-head screw	

Reference Designation	Shape	Description	Remarks
SELF-TAPPING SCREWS			
TA		self-tapping screw	ex: TA, P 3 x 10
PTP		pan-head self-tapping screw	binding-head self-tapping (TA, B) screw for replacement
PTPWH		pan-head self-tapping screw with washer face	binding-head self-tapping (TA, B) screw and flat washer for replacement
PTTWH		pan-head thread-rolling screw with washer face	binding-head (B) screw and flat washer for replacement
SET SCREWS			
SC		set screw	
SC		hexagon-socket set screw	ex: SC 2.6 x 4, hexagon socket
NUT			
N		nut	
WASHERS			
W		flat washer	
SW		spring washer	
LW		internal-tooth lock washer	ex: LW3, internal
LW		external-tooth lock washer	ex: LW3, external
RETAINING RINGS			
E		retaining ring	
G		grip-type retaining ring	