

ICF-6700W

Canadian Model

US Model

AEP Model

UK Model

E Model



FM/AM MULTI BAND RECEIVER

SPECIFICATIONS

Power Requirements:	110, 120, 220 or 240V ac adjustable, 50/60Hz 9V dc, six batteries size D (IEC designation R20) 12V car battery with optional Sony Car Battery Cord DCC 130	Frequency range:	FM: 87.5–108 MHz SW ₁ : 1.6–10 MHz (187.5–30 m) SW ₂ : 11.5–20 MHz (126.1–15 m) SW ₃ : 20–29.5 MHz (15–10.2 m) MW: 530–1,605 kHz (566–187 m)
Power Consumption:	7W ac	Antennas:	FM: Telescopic antenna SW: Telescopic antenna, External antenna terminals (50–75 Ω) MW: Built-in ferrite rod antenna External antenna terminals (low impedance)
Dimensions:	Approx. 453(w) x 184(h) x 227(d) mm 17 3/4 (w) x 7 1/4 (h) x 9 (d) inches including projecting parts and controls	Speaker:	Approx. 10 cm (4 inches) dia.
Weight:	Approx. 5.5kg, 12 lb 2 oz including batteries	Power output:	900 mW (at 10% harmonic distortion) at dc operation
Circuit system:	FM/MW: Superheterodyne SW: Dual conversion superheterodyne	Input:	Timer input jack (minijack)
		Outputs:	Recording output jack (minijack) output level 0.8 mV (–60 dB) output impedance 1 kΩ Earphone jack (minijack) for 8Ω earphone Multiplex output jack (minijack) Headphones jack (stereo binaural type jack) for 8Ω impedance stereo or monaural headphones

SONY
SERVICE MANUAL


MODEL IDENTIFICATION

- Specification Label -


US, Canadian model

SONY	MODEL NO. ICF-6700W
FM/MW/SW1/SW2/SW3	5 BAND RECEIVER
FREQ RANGE :	FM 87.5-108MHz MW 530-1605kHz
	SW1 1.6-10MHz SW2 11.5-20MHz
	SW3 20-29.5MHz
DC: 1.5V x 6	USE R20(D) STANDARD FLASHLIGHT BATT OR EQUIV
AC:	110/120/220/240 7W 50/60Hz
CARTIFICATION:	COMPLYING WITH F.C.C. RULES PART 15
	MADE IN JAPAN

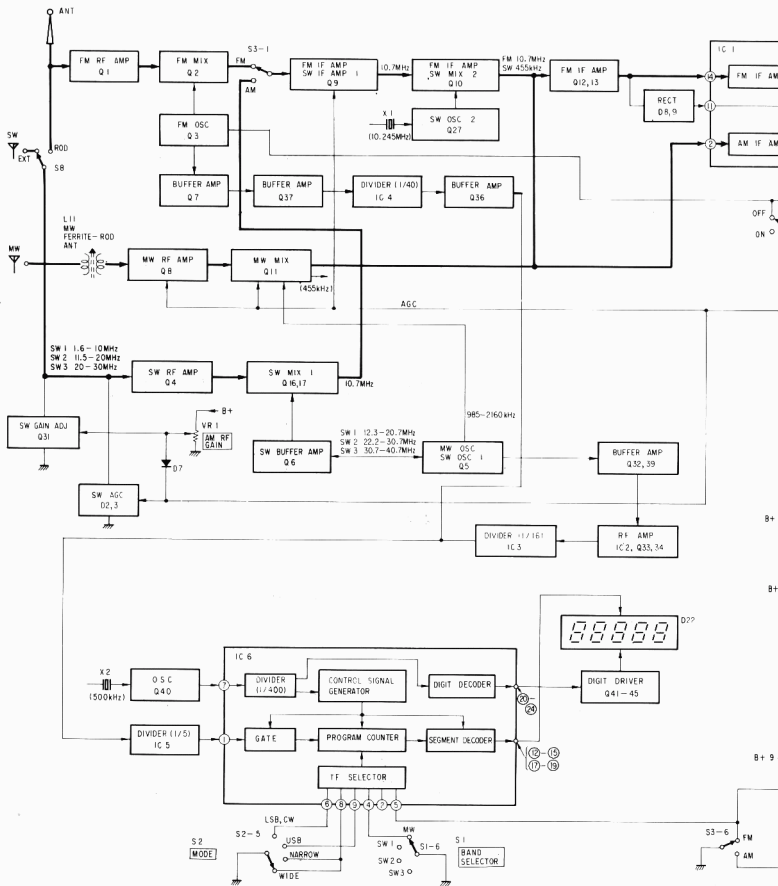
AEP, UK model

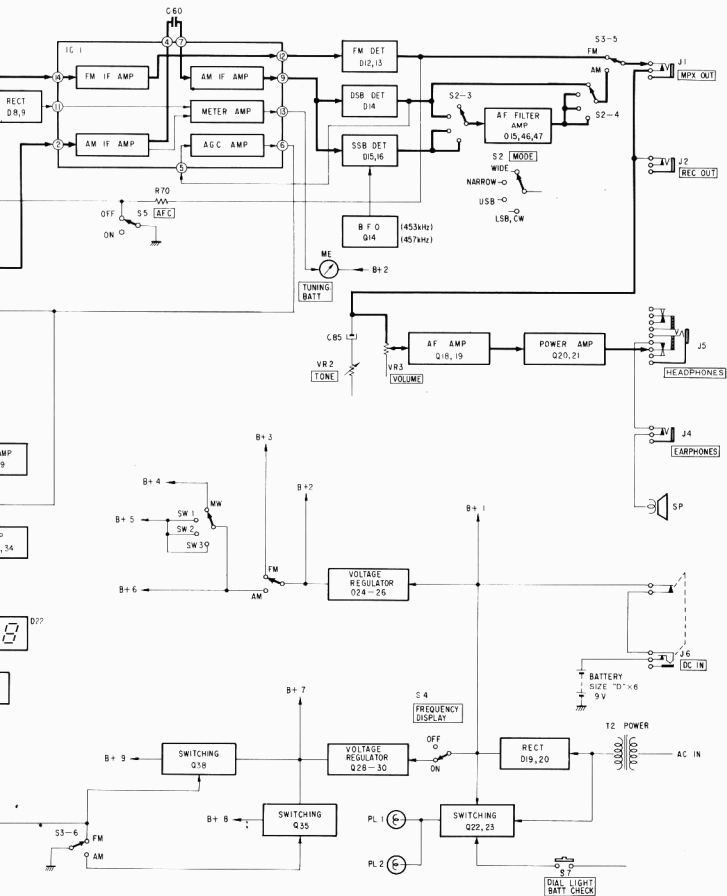
SONY	MODEL NO. ICF-6700W
FM/MW/SW1/SW2/SW3	5 BAND RECEIVER
FREQ RANGE :	FM 87.5-108MHz MW 530-1605kHz
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	SW3 20-29.5MHz
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	(S) (N) (S) (D)
	MADE IN JAPAN

E model

SONY	MODEL NO. ICF-6700W
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FREQ RANGE :	FM 87.5-108MHz MW 530-1605kHz
	SW1 1.6-10MHz SW2 11.5-20MHz
	SW3 20-29.5MHz
DC: 1.5V x 6	USE R20(D) STANDARD FLASHLIGHT BATT OR EQUIV
AC:	110/120/220/240 7W 50/60Hz
	
	MADE IN JAPAN

1-1. BLOCK DIAGRAM





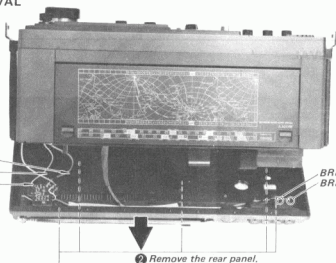
2-1. REMOVAL

- Follow the disassembly procedure in the numerical order given.

REAR CASE REMOVAL

③

Unsolder the wires
 { shielded wire (GRY)
 shielded wire (GRY)
 WHT



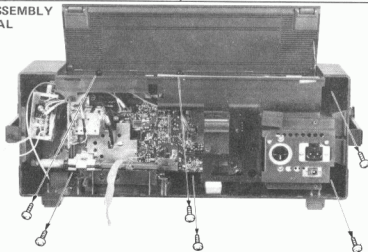
④

BRN
 BRN } Unsolder the wires.

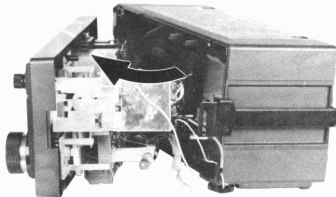
② Remove the rear panel.

BTP
 3x14

① Remove five screws.

CASE ASSEMBLY
REMOVAL

① Remove six screws. BTP 3x14 (black)

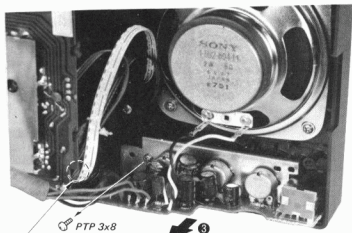


② Remove the case as shown by the arrow.

CONTROL BOARD REMOVAL

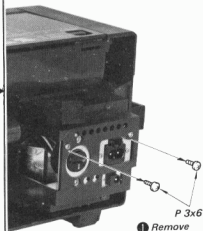


1 Remove the knobs.

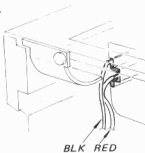


PTP 3x8
 2 Remove the screw.
 3 Remove the control board.
 Be careful not to hitch the capacitor.

POWER SUPPLY BLOCK REMOVAL

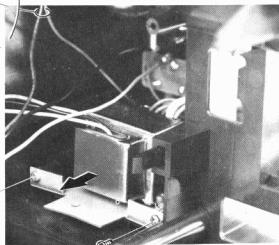


P 3x6
 1 Remove two screws.



2 Unsolder the wires.

PTP 3x8
 3 Remove two screws.

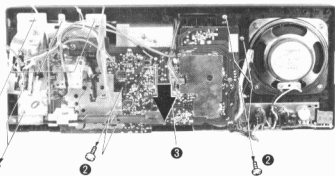


PTP 3x8
 4 Remove the power supply block in the direction shown by the arrow.

FRONT PANEL REMOVAL



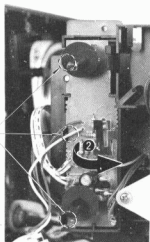
1 Remove the knobs.



2 Remove ten screws (BTB 3 x 10)

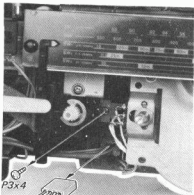
3 Remove the chassis in the direction shown by the arrow.

LAMP BOARD REMOVAL

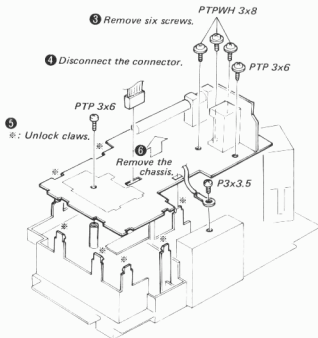


1 Unlock claws.

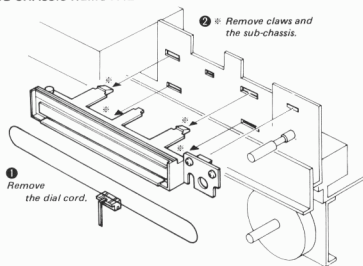
MAIN BOARD REMOVAL



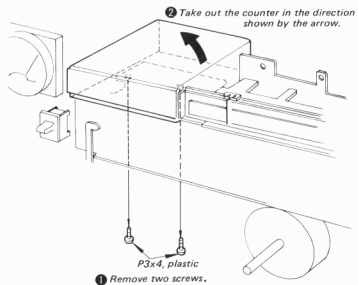
1 Remove the screw.
2 Disconnect the connector.



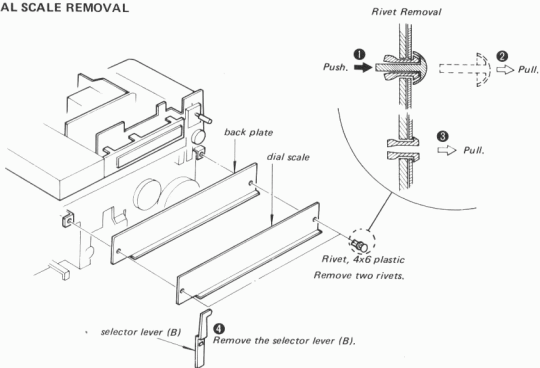
SUB-CHASSIS REMOVAL



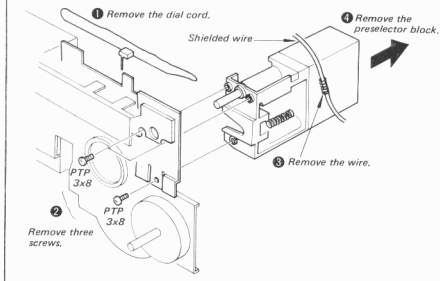
COUNTER BLOCK REMOVAL



DIAL SCALE REMOVAL

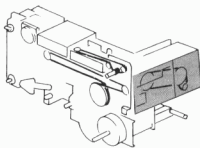
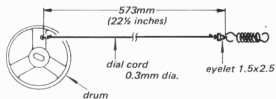


PRESELECTOR BLOCK REMOVAL



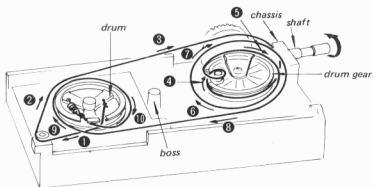
2-2. CORD STRINGING OF PRESELECTOR DRUM

1. Cord Preparation



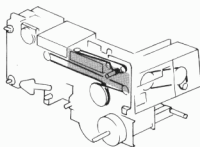
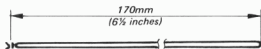
2. Dial Cord Stringing

Proceed in the numerical order given, after turning the shaft and the drum fully clockwise.



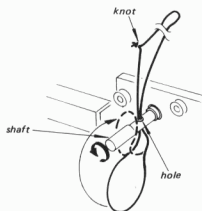
2-3. DIAL CORD STRINGING OF PRESELECTOR

1. Dial Cord Preparation

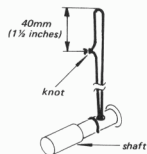


0 (inch)

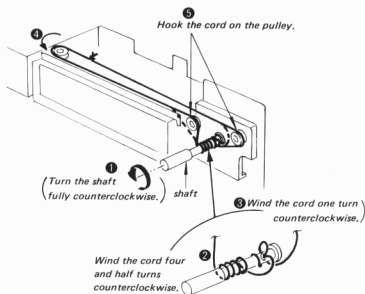
2. Turn the shaft fully counterclockwise and thread the dial cord in the hole of the shaft as shown below.



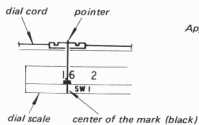
3. Set the knot of the dial cord as shown below.



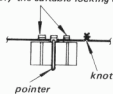
4. Proceed in the numerical order given.



5. Install the pointer at the position as shown below, after turning the shaft fully clockwise.

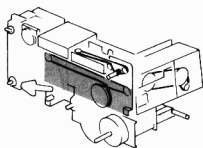
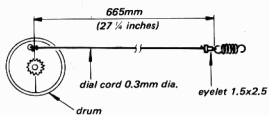


Apply the suitable locking compound.

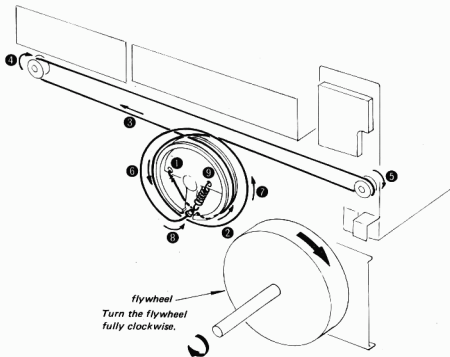


2-4. MAIN DIAL CORD STRINGING

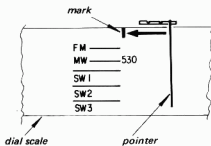
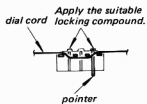
1. Dial Cord Preparation



2. Proceed in the numerical order given.



3. Pointer Installation



SECTION 3 ADJUSTMENTS

MW SECTION

Setting:
BAND SELECTOR Switch; MW

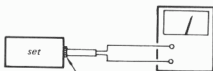
AM rf signal
generator



30% amplitude
modulation by
400 Hz signal

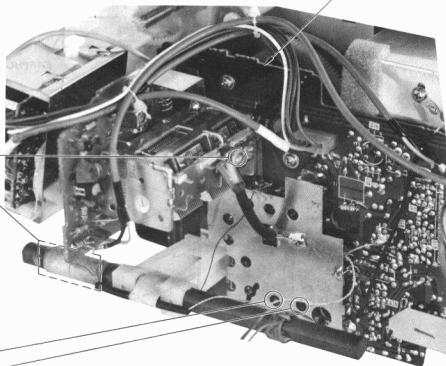
Put the lead-wire
antenna close to
the set.

VOM
(range: 0.5–5 V ac)



main board

MW TRACKING ADJUSTMENT	
Adjust for maximum reading on VOM.	
1,400 kHz	CT 9
620 kHz	L11



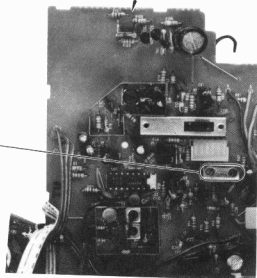
- Repeat the procedures in each adjustment several times, and the frequency coverage and tracking adjustments should be finally done by the trimmer capacitors.

MW FREQUENCY COVERAGE ADJUSTMENT	
Adjust for maximum reading on VTVM	
520 kHz	L 7
1,680 kHz	CT 5

main board

MW IF ALIGNMENT	
Adjust for maximum reading on VOM.	
455 kHz (468 kHz)	CFT

(): UK model

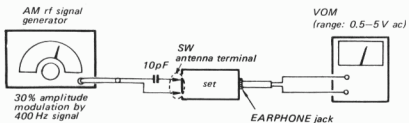


SW SECTION

Setting:

BAND SELECTOR Switch: SW

SW ANTENNA Switch: EXT

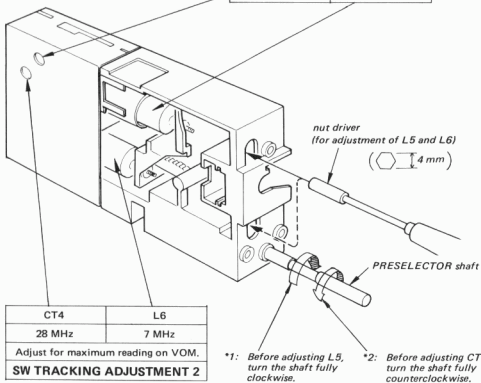


SW TRACKING ADJUSTMENT 1

Adjust for maximum reading on VOM.

30 MHz	1.6 MHz
--------	---------

*2 CT3	*1 L5
--------	-------



Setting:

BAND SELECTOR Switch: SW

SW ANTENNA Switch: ROD

AM rf signal
generator



Put the lead-wire
antenna close to
the set.

30% amplitude
modulation by
400 Hz signal

SW3 FREQUENCY COVERAGE ADJUSTMENT

Adjust for maximum reading on VOM.

19.8 MHz

29.7 MHz

L10

CT8

VOM
(range: 0.5–5 V ac)



EARPHONE jack

SW IF ALIGNMENT

Adjust for maximum reading on VOM.

10.7 MHz

IFT A1

SW2 FREQUENCY COVERAGE ADJUSTMENT

Adjust for maximum reading on VOM

11.3 MHz

L9

20.3 MHz

CT7

SW1 FREQUENCY COVERAGE ADJUSTMENT

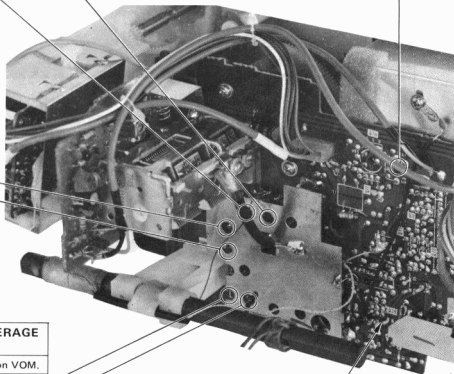
Adjust for maximum reading on VOM.

10.3 MHz

CT6

1.55 MHz

L8

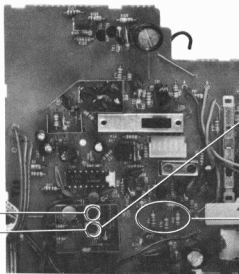
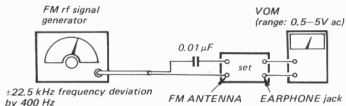


main board

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

FM SECTION

Setting:
BAND SELECTOR Switch: FM

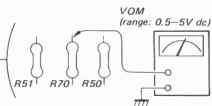


FM IF ALIGNMENT 2

Turn off the modulation.
Connect VOM as shown below.

IFT F3

Adjust for 0V DC reading on VOM.



FM IF ALIGNMENT 1

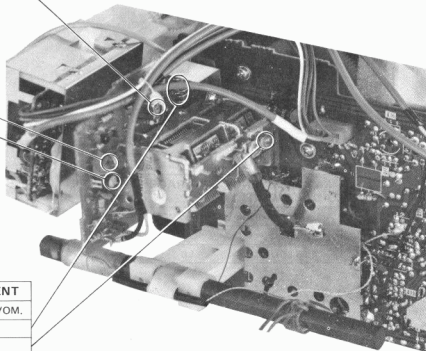
10.7 MHz	IFT F2
	IFT F3
	IFT F1

Adjust for maximum reading on VOM.

FM FREQUENCY COVERAGE ADJUSTMENT

Adjust for maximum reading on VOM.

86.5(82.5) MHz	L3
109.5(108) MHz	CT2



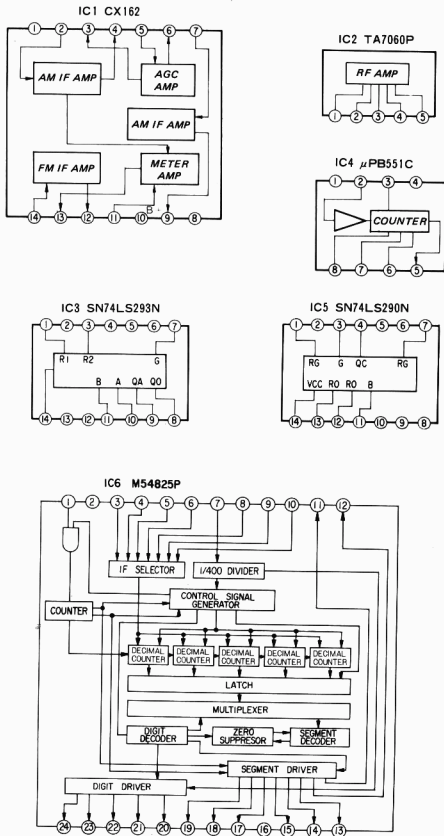
(): AEP model

FM TRACKING ADJUSTMENT

Adjust for maximum reading on VOM.

86.5(82.5) MHz	L2
109.5(108) MHz	CT1

IC BLOCK DIAGRAM



SECTION 4 DIAGRAMS

4-1. MOUNTING DIAGRAM

— Conductor Side —

Replacement Semiconductors

For replacement, use semiconductors except in ().

IC Block Diagram is listed on page 19.

Q1, 32: 2SK42-2 (2SK42)



Q20: 2SC1474



Q24: 2SA684 (2SA772)



D19, 20: 10E2



Q2, 3, 5, 6, 9
Q10, 12, 13, 27 : 2SC930 (2SC930C)



Q36, 39: 2SC930 (2SC930D)



Q28: 2SA861



D22: SL1512



Q4: 3SK37



Q33, 34, 37: 2SC710 (2SC1908)



IC2: TA7060P



D14, 23: 1T22AM (1T23)



Q7, 8: 2SK23A-824 (2SK23A)



IC1: CX162



IC4: μ PB551C



D21: IS2139C (SD115)



Q11: 2SC930 (2SC930E)



IC3: SN74LS293N



IC6: M54825P



VDR1: VD1220



Q14: 2SC1364 (2SC930C)



IC5: SN74LS290N



D9: 2SC930 (2SC930C)



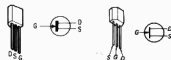
Q15, 19, 22, 25, 26
Q29-31, 40-47 : 2SC1364 (2SC1363)



D1-8
D10, 11 : 1S1555
D15-18



Q16, 17: 2SK107 (2SK23A)



D12, 13: 1T261

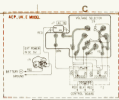


Note:

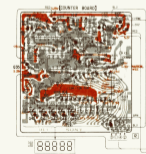
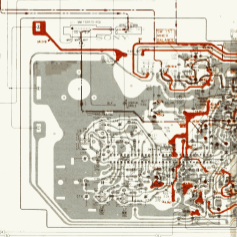
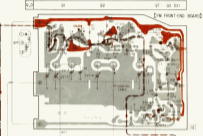
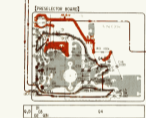
- : indicates side identified with part number.
- : B + pattern
- Signal Path
 - — — — — : FM
 - - - - - : SW
 - · · · · : MW

Q18, 23, 35, 38: 2SA678 (2SA677)





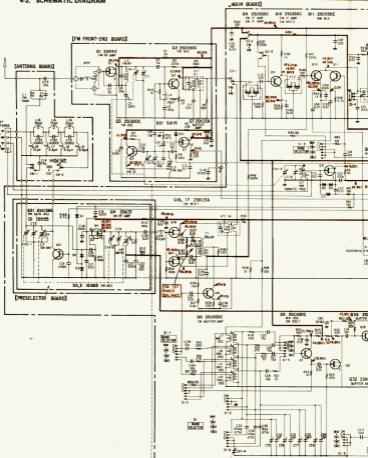
6	
7	

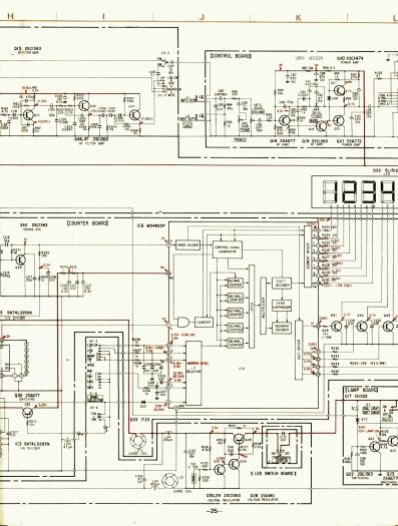


34	33	32	31	30
35	34	33	32	31
36	35	34	33	32
37	36	35	34	33

4-2. SCHEMATIC DIAGRAM

1
2
3
4
5







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

Note: Les composants identifiés par un trèfle et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Note:

- All capacitors are in μF unless otherwise noted, pF: 10^2 50 WV or less unless indicated except for electrolytics.
- All resistors are in ohms, $\text{K}\Omega$ unless otherwise noted, $\text{M}\Omega$: 1000(Ω); $\text{G}\Omega$: 1000k Ω .
- \square : panel designation.
- \square : adjustment for repair.
- --- : B + bus.
- Voltage variations may be noted due to normal production tolerances.
- Transistor base-emitter voltages are measured on the 2.5V range.
- Readings are taken under no-signal (detuned) conditions with a YOM (20 k Ω /V).
- < > : SW
- < > : AM
- | | : MW
- 8 8 : FM
- | | : When receiving 12.345 kHz signal.

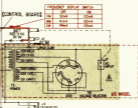
Switch

Ref. No.	Switch	Position
S1	BAND SELECTOR	MW
S2	MODE	WIDE
S3	F-M-AM	FM
S4	FREQUENCY DISPLAY	ON
S5	APC	OFF
S6	RADIO	OFF
S7	DIAL LIGHT/ BATT CHECK	OFF
S8	SW ANT	ROD
S9	VOLTAGE SELECTOR	120V

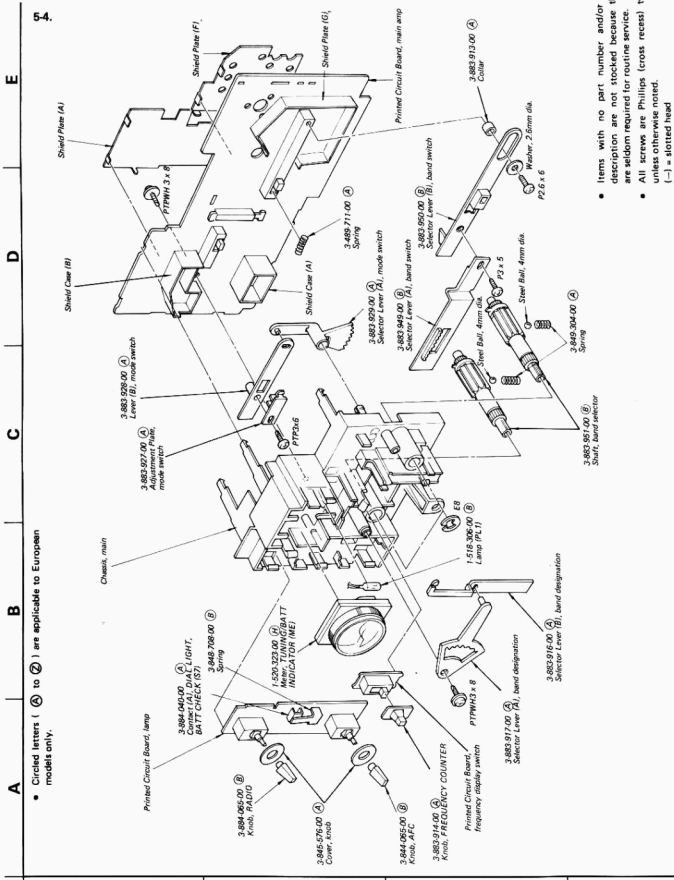
- Transistor is used for Q3.
- Δ : Internal component.
- 2% increase component tolerances.



FREQUENCY DISPLAY	SW	ON
FM	120V	120V
MW	120V	120V
AM	120V	120V



54.



• Circled letters (A to Z) are applicable to European models only.

- Items with no part number and/or no description are not stocked because they are seldom required for routine service.
- All screws are Phillips (cross recess) type unless otherwise noted.
- (-) = slotted head

SECTION 6 ELECTRICAL PARTS LIST

<i>Ref. No.</i>	<i>Part No.</i>	<i>Description</i>	<i>Ref. No.</i>	<i>Part No.</i>	<i>Description</i>
SEMICONDUCTORS			Diodes		
Transistors					
⇒ Q1	8-727-312-00	(C) 2SK 42-2	D1-8	8-719-815-55	(A) 1S1555
⇒ Q2, 3	8-729-803-04	(B) 2SC930	⇒ D9	8-729-803-04	(B) 2SC930
Q4	8-722-762-00	(D) 3SK37	D10, 11	8-719-815-55	(A) 1S1555
⇒ Q5, 6	8-729-803-04	(B) 2SC930	D12, 13	8-719-026-11	(A) 1T261
⇒ Q7, 8	8-722-382-04	(D) 2SK23A-824	⇒ D14	8-719-422-21	(A) 1T22AM
⇒ Q9-13	8-729-803-04	(B) 2SC930	D15-18	8-719-815-55	(A) 1S1555
⇒ Q14, 15	8-729-663-47	(B) 2SC1364	D19, 20	(A) 8-719-200-02	(B) 10E2
⇒ Q16, 17	8-769-010-35	(B) 2SK107	⇒ D21	8-719-713-93	(B) 1S12139C
⇒ Q18	8-727-788-00	(B) 2SA678	D22	8-719-905-12	(L) SL1512
⇒ Q19	8-729-663-47	(B) 2SC1364	⇒ D23	8-719-422-21	(A) 1T22AM
Q20	8-760-335-10	(B) 2SC1474	VDR1	8-719-122-00	(B) VD1220
⇒ Q21	8-729-468-43	(B) 2SA684	Thermistors		
⇒ Q22	8-729-663-47	(B) 2SC1364	Th1, 2	1-800-007-00	(B) S-300
⇒ Q23	8-727-788-00	(B) 2SA678	COILS		
⇒ Q24	8-729-468-43	(B) 2SA684	L1	1-401-456-00	(B) FM ANT
⇒ Q25, 26	8-729-663-47	(B) 2SC1364	L2	1-420-859-00	(A) FM RF
⇒ Q27	8-729-803-04	(B) 2SC930	L3	1-405-642-00	(A) FM Osc
Q28	8-763-213-00	(C) 2SA861	L4	1-407-181-XX	(A) IF TRAP
⇒ Q29-31	8-729-663-47	(B) 2SC1364	L5	1-401-715-00	(E) SW ANT
⇒ Q32	8-727-312-00	(C) 2SK42-2	L6	1-401-716-00	(E) SW RF
⇒ Q33, 34	8-729-671-13	(B) 2SC710	L7	1-405-787-00	(B) MW Osc
⇒ Q35	8-727-788-00	(B) 2SA678	L8	1-405-788-00	(B) SW1 Osc
⇒ Q36	8-729-803-04	(B) 2SC930	L9	1-405-789-00	(B) SW2 Osc
⇒ Q37	8-729-671-13	(B) 2SC710	L10	1-405-790-00	(B) SW3 Osc
⇒ Q38	8-727-788-00	(B) 2SA678	L11	1-401-726-00	(C) MW Ferrite-rod Antenna
⇒ Q39	8-729-803-04	(B) 2SC930	L13	1-407-188-XX	(A) Microinductor, 6.8μH
⇒ Q40-47	8-729-663-47	(B) 2SC1364	L14	1-407-161-XX	(A) Microinductor, 22μH
ICs			L15	1-407-187-XX	(A) Microinductor, 5.6μH
IC1	8-751-620-00	(F) CX-162	L16	1-407-159-XX	(A) Microinductor, 15μH
IC2	8-759-270-60	(C) TA7060P	L17	1-407-187-XX	(A) Microinductor, 5.6μH
⇒ IC3	8-759-902-93	(F) SN74LS293N	L18	1-407-166-XX	(A) Microinductor, 56μH
IC4	8-759-155-10	(J) μPB551C	L19	1-407-158-XX	(A) Microinductor, 12μH
IC5	8-759-902-90	(F) SN74LS290N	L20	1-407-169-XX	(A) Microinductor, 100μH
IC6	8-759-648-25	(N) M54825P	L21	1-407-856-00	(C) Choke
			L22, 23	1-407-169-XX	(A) Microinductor, 100μH

• ⇒ Due to standardization, interchangeable replacements may be substituted for parts specified in the diagrams.

• Circled letters (A to Z) are applicable to European models only.

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

Note: Les composants identifiés par un trame et une marque **A** sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

• Circled letters (A to Z) are applicable to European models only.

Ref. No.	Part No.	Description
L24	1-407-182-XX (A)	Microinductor, 2.2 μ H
L201	1-407-165-XX (A)	Microinductor, 47 μ H
L202	1-407-856-00 (C)	Choke

TRANSFORMERS

T1	1-417-064-00 (B)	Balun	
T2	(A) 1-446-157-00	Power	(US model)
T2	(A) 1-446-158-00 (J)	Power	(AEP, UK, E, Canadian model)

IFT A1	1-404-021-00 (B)	AM IFT
IFT A2	1-404-100-00 (B)	AM IFT
IFT F1	1-403-872-00 (B)	FM IFT
IFT F2	1-403-959-00 (B)	FM Discriminator
IFT F3	1-403-953-00 (B)	FM Discriminator

CAPACITORS

All capacitors are in μ F and ceramic unless otherwise noted.
50WV or less are not indicated except for electrolytic and tantalum.

pF: μ F, elect: electrolytic

C1	1-102-945-11 (A)	8p	
C2	1-102-936-11 (A)	3p	
C3	1-102-074-11 (A)	0.001	
C4	1-102-958-11 (A)	20p	
C5	1-102-936-11 (A)	3p	
C6	1-102-976-11 (A)	180p	
C7	1-101-923-11 (A)	0.01	
C8	1-161-249-11 (A)	1.5p	
C9	1-102-074-11 (A)	0.001	
C10	1-102-949-11 (A)	12p	
C11	1-102-958-11 (A)	20p	
C12	1-102-943-11 (A)	6p	
C13	1-101-797-11 (A)	0.1	(semiconductor)
C14	1-102-951-11 (A)	15p	
C15	1-121-391-11 (A)	1	50V elect
C16	1-161-271-11 (A)	100p	
C17	1-101-923-11 (A)	0.01	
C18	1-161-033-11 (A)	0.015	(semiconductor)
C20	1-161-033-11 (A)	0.015	(semiconductor)
C21	1-161-379-11 (A)	0.01	

Ref. No.	Part No.	Description	
C22	1-101-923-11 (A)	0.01	
C23	1-102-973-11 (A)	100p	
C24	1-161-379-11 (A)	0.01	
C25	1-102-945-11 (A)	8p	
C26-28	1-102-947-11 (A)	10p	
C29	1-102-724-11 (A)	33p	
C30	1-102-802-11 (A)	24p	
C31	1-102-880-11 (A)	15p	
C32	1-102-280-11 (A)	5p	
C33	1-107-269-11 (A)	430p	silvered mica
C34	1-107-262-11 (B)	120p	silvered mica
C35	1-107-260-11 (B)	82p	silvered mica
C36-38	1-161-379-11 (A)	0.01	
C39	1-101-923-11 (A)	0.01	
C40	1-121-651-11 (A)	10	16V elect
C41	1-102-934-11 (A)	1p	
C42	1-101-923-11 (A)	0.01	
C45	1-161-379-11 (A)	0.01	
C46	1-101-923-11 (A)	0.01	
C47	1-161-032-11 (A)	0.01	(semiconductor)
C48	1-161-379-11 (A)	0.01	
C49	1-102-074-11 (A)	0.001	
C50	1-161-379-11 (A)	0.01	
C51	1-101-924-11 (A)	0.022	
C52, 53	1-161-379-11 (A)	0.01	
C54	1-102-947-11 (A)	10p	
C55	1-101-923-11 (A)	0.01	
C56	1-161-379-11 (A)	0.01	
C57	1-161-379-11 (A)	0.01	
C58, 59	1-121-651-11 (A)	10	16V elect
C60	1-101-923-11 (A)	0.01	
C61	1-121-651-11 (A)	10	10V elect
C62	1-161-034-11 (A)	0.022	(semiconductor)
C63	1-131-236-11 (B)	1	50V tantalum
C64	1-101-880-11 (A)	47p	
C65	1-161-032-11 (A)	0.01	(semiconductor)
C66	1-161-030-11 (A)	0.0047	(semiconductor)
C67	1-102-966-11 (A)	43p	
C68	1-102-958-11 (A)	20p	
C69, 70	1-102-110-11 (A)	220p	

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

Note: Les composants identifiés par un trame et une marque (A) sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Note: Circled letters (A) to (Z) are applicable to European models only.

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
C71	1-102-947-11 (A) 10p		C117	1-161-032-11 (A) 0.01	(semiconductor)
C72	1-101-923-11 (A) 0.01		C118	1-161-034-11 (A) 0.022	(semiconductor)
C73	1-102-650-11 (A) 62p		C119	1-101-923-11 (A) 0.01	
C74	1-102-656-11 (A) 120p		C120	1-121-651-11 (A) 10	16V elect
C75, 76	1-161-379-11 (A) 0.01		C121, 122	1-101-923-11 (A) 0.01	
C77	1-101-797-11 (A) 0.1	(semiconductor)	C123	1-121-414-11 (A) 100	10V elect
C78	1-161-033-11 (A) 0.015	(semiconductor)	C124	1-101-923-11 (A) 0.01	
C79	1-101-923-11 (A) 0.01		C127	1-161-036-11 (A) 0.047	(semiconductor)
C80	1-161-033-11 (A) 0.015	(semiconductor)	C128	1-161-034-11 (A) 0.022	(semiconductor)
C81	1-102-114-11 (A) 470p		C131	1-161-002-11 (A) 0.0012	(semiconductor)
C82	1-121-726-11 (A) 0.47	50V elect	C132	1-161-003-11 (A) 0.0015	(semiconductor)
C83	1-161-032-11 (A) 0.01	(boundary layer)	C133	1-161-002-11 (A) 0.0012	(semiconductor)
C84	1-121-938-11 (B) 470	10V elect	C134	1-161-027-11 (A) 0.0015	(semiconductor)
C85	1-127-019-11 (A) 0.1	16V elect	C135	1-161-379-11 (A) 0.01	
C86	1-121-726-11 (A) 0.47	50V elect	C136	1-161-033-11 (A) 0.015	(semiconductor)
C87	1-123-072-11 (A) 220	10V elect	C137	1-161-379-11 (A) 0.01	
C88	1-102-973-11 (A) 100p		C138	1-101-923-11 (A) 0.01	
C89	1-121-414-11 (A) 100	10V elect	C139	1-102-949-11 (A) 12p	
C90	1-102-121-11 (A) 0.0022		C140	1-102-953-11 (A) 18p	
C91	1-127-020-11 (A) 0.22	16V elect	C141	1-101-923-11 (A) 0.01	
C92	1-121-395-11 (A) 4.7	25V elect	C142	1-123-072-11 (A) 220	10V elect
C93-95	1-123-072-11 (A) 220	10V elect	C143	1-121-651-11 (A) 10	10V elect
C96	1-121-414-11 (A) 100	10V elect	C201-204	1-101-923-11 (A) 0.01	
C97	(A) 1-123-074-11 (B) 2200	10V elect	C205	1-121-651-11 (A) 10	16V elect
C98, 99	(A) 1-108-647-12 (A) 0.0015	100V mylar	C206, 207	1-101-923-11 (A) 0.01	
C100	1-121-938-11 (A) 470	10V elect	C208	1-101-924-11 (A) 0.022	
C101	1-121-413-11 (A) 100	6.3V elect	C209	1-121-413-11 (A) 100	6.3V elect
C102	1-101-923-11 (A) 0.01		C210	1-121-751-11 (B) 330	6.3V elect
C103	1-161-033-11 (A) 0.015	(semiconductor)	C211	1-101-923-11 (A) 0.01	
C104, 105	1-101-923-11 (A) 0.01		C212	1-102-074-11 (A) 0.001	
C106	1-101-797-11 (A) 0.1	(semiconductor)	C213	1-102-106-11 (A) 100p	
C107	1-121-651-11 (A) 10	10V elect	C214	1-101-923-11 (A) 0.01	
C109	1-121-352-11 (A) 47	10V elect	C215	1-102-114-11 (A) 470p	
C110	1-161-032-11 (A) 0.01	(semiconductor)	C216	1-102-963-11 (A) 33p	
C111	1-161-379-11 (A) 0.01		C217	1-102-973-11 (A) 100p	
C112	1-101-923-11 (A) 0.01		C218-224	1-101-923-11 (A) 0.01	
C113	1-102-074-11 (A) 0.001		C225, 226	1-161-032-11 (A) 0.01	(semiconductor)
C114	1-101-923-11 (A) 0.01		C227, 228	1-101-923-11 (A) 0.01	
C115	1-102-947-11 (A) 10p		C230	1-102-947-11 (A) 10p	
C116	1-102-074-11 (A) 0.001				

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

Note: Les composants identifiés par un trame et une marque (A) sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- Circled letters (A to Z) are applicable to European models only.

Ref. No.	Part No.	Description
C301	1-121-391-11 (A) 1	50V elect
C302	1-161-037-11 (A) 0.068	(semiconductor)
C303	1-161-030-11 (A) 0.0047	(semiconductor)
C304	1-127-378-11 (B) 0.68	elect
C305	1-102-973-11 (A) 100p	
C306-308	1-161-035-11 (A) 0.033	(semiconductor)
C309	1-121-413-11 (A) 100	6.3V elect
CT1, 2	1-141-138-XX (B) Trimmer	
CT5	1-141-140-XX (B) Trimmer	
CT6-8	1-141-171-00 (B) Trimmer	
CV1-1-1-4	1-151-335-00 (I) Tuning	
CV2-1, 2-2	1-151-303-00 (E) Tuning	

RESISTORS

All resistors are in ohms. Common 1/4W carbon resistors are omitted.

Refer to the list on page 36 for their part numbers.

Ref. No.	Part No.	Description
R401	(A) 1-202-723-21	2.2M 1/4W composition (US, Canadian model)
VR1	1-226-226-00 (B) 2k-C,	variable; AM RF GAIN
VR2	1-226-162-00 (B) 5k-A,	variable; TREBLE
VR3	1-226-161-00 (B) 10k-D,	variable; VOLUME
VR4	1-226-163-00 (B) 5k-D,	variable; BASS
VR5	1-224-251-XX (B) 4.7k-B,	adjustable; SW MIX

JACKS

J1-4	1-507-562-00 (B) MPX OUT, REC OUT, TIMER, EARPHONE
J5	1-507-389-XX (C) HEADPHONES
J6	1-507-447-XX (B) EXT POWER IN, DC 9V
J7	(A) 1-509-511-00 Socket, AC INPUT (US, Canadian model)
J7	(A) 1-509-510-00 (C) Socket, AC INPUT (AEP, UK, E model)

SWITCHES

S1	1-514-316-00 (D) Slide, BAND SELECTOR
S2	1-513-281-00 (C) Slide, MODE
S3	1-514-861-XX (C) Slide, AM-FM
S4	1-552-327-00 (B) Slide, FREQUENCY DISPLAY
S5	1-552-127-00 (B) Lever-slide, AFC
S6	1-552-127-00 (B) Lever-slide, RADIO
S7	3-848-708-00 (B) Spring
S7	3-884-040-00 (A) Contact (A) DIAL LIGHT, BATT CHECK
S8	1-516-777-XX (C) Slide, SW-ANT ROD/EXT
S9	(A) 1-552-026-00 (D) Voltage Selector

Ref. No. Part No. Description

MISCELLANEOUS

ANT	1-501-177-00 (G) Telescopic Antenna
BPF	1-231-392-00 (B) Bandpass Filter
CF1-3	1-527-184-XX (B) Ceramic Filter, 10.7 MHz
CTF	1-403-164-00 (C) Ceramic Filter, tripple tune
CTU	1-527-319-00 (D) Ceramic Filter
CR1	1-231-202-00 (B) Encapsulated Component
ME	1-520-323-00 (H) Meter, TUNING/BATT INDICATOR
PL1, 2	1-518-306-00 (F) Lamp, 8V 30mA
SP	1-502-694-00 (B) Speaker
X1	1-527-339-00 (D) Crystal, 10.245 MHz
X2	1-527-269-11 (L) Crystal, 500 kHz
	1-536-524-00 (C) Terminal, 4p; SW, MW
	(A) 1-534-840-XX (E) Cord, power; DK-38 (AEP model)
	(A) 1-551-218-00 (E) Cord, power; DK-50 (UK model)
	(A) 1-551-235-00 Cord, power; DK-51 (E model)
	(A) 1-551-504-00 Cord, power; (US, Canadian model)
	(A) 1-551-521-00 Cord, power; (E model)

ACCESSORIES AND PACKING MATERIALS

Part No.	Description
3-883-994-00 (D)	Carton
3-993-171-11 (B)	Pin, antenna terminal
3-995-831-11 (C)	Manual, instruction (AEP, UK, E model)
3-995-831-21	Manual, instruction (Canadian model)
3-993-172-31	Manual, instruction; French (Canadian model)
3-995-831-21	Manual, instruction (US model)
3-794-233-21	Leaflet (US model)
3-701-616-00 (A)	Bag, plastic
3-701-627-00 (A)	Bag, plastic; manual
3-884-120-00 (C)	Cushion (R)
3-884-119-00 (C)	Cushion (L)
3-551-895-00 (B)	Bag, set protection

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

Note: Les composants identifiés par un trame et une marque (A) sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

1/4 WATT CARBON RESISTORS A

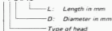
Note: Circled letter A is applicable to European models only.

Q	Part No.	Q	Part No.	Q	Part No.	Q	Part No.	Q	Part No.	Q	Part No.	Q	Part No.
1.0	1 244 601 11	10	1 244 625 11	100	1 244 649 11	1.0k	1 244 673 11	10k	1 244 697 11	100k	1 244 721 11	1.0M	1 244 745 11
1.1	1 244 602 11	11	1 244 626 11	110	1 244 650 11	1.1k	1 244 674 11	11k	1 244 698 11	110k	1 244 722 11	1.1M	1 244 746 11
1.2	1 244 603 11	12	1 244 627 11	120	1 244 651 11	1.2k	1 244 675 11	12k	1 244 699 11	120k	1 244 723 11	1.2M	1 244 747 11
1.3	1 244 604 11	13	1 244 628 11	130	1 244 652 11	1.3k	1 244 676 11	13k	1 244 700 11	130k	1 244 724 11	1.3M	1 244 748 11
1.5	1 244 605 11	15	1 244 629 11	150	1 244 653 11	1.5k	1 244 677 11	15k	1 244 701 11	150k	1 244 725 11	1.5M	1 244 749 11
1.6	1 244 606 11	16	1 244 630 11	160	1 244 654 11	1.6k	1 244 678 11	16k	1 244 702 11	160k	1 244 726 11	1.6M	1 244 750 11
1.8	1 244 607 11	18	1 244 631 11	180	1 244 655 11	1.8k	1 244 679 11	18k	1 244 703 11	180k	1 244 727 11	1.8M	1 244 751 11
2.0	1 244 608 11	20	1 244 632 11	200	1 244 656 11	2.0k	1 244 680 11	20k	1 244 704 11	200k	1 244 728 11	2.0M	1 244 752 11
2.2	1 244 609 11	22	1 244 633 11	220	1 244 657 11	2.2k	1 244 681 11	22k	1 244 705 11	220k	1 244 729 11	2.2M	1 244 753 11
2.4	1 244 610 11	24	1 244 634 11	240	1 244 658 11	2.4k	1 244 682 11	24k	1 244 706 11	240k	1 244 730 11	2.4M	1 244 754 11
2.7	1 244 611 11	27	1 244 635 11	270	1 244 659 11	2.7k	1 244 683 11	27k	1 244 707 11	270k	1 244 731 11	2.7M	1 244 755 11
3.0	1 244 612 11	30	1 244 636 11	300	1 244 660 11	3.0k	1 244 684 11	30k	1 244 708 11	300k	1 244 732 11	3.0M	1 244 756 11
3.3	1 244 613 11	33	1 244 637 11	330	1 244 661 11	3.3k	1 244 685 11	33k	1 244 709 11	330k	1 244 733 11	3.3M	1 244 757 11
3.6	1 244 614 11	36	1 244 638 11	360	1 244 662 11	3.6k	1 244 686 11	36k	1 244 710 11	360k	1 244 734 11	3.6M	1 244 758 11
3.9	1 244 615 11	39	1 244 639 11	390	1 244 663 11	3.9k	1 244 687 11	39k	1 244 711 11	390k	1 244 735 11	3.9M	1 244 759 11
4.3	1 244 616 11	43	1 244 640 11	430	1 244 664 11	4.3k	1 244 688 11	43k	1 244 712 11	430k	1 244 736 11	4.3M	1 244 760 11
4.7	1 244 617 11	47	1 244 641 11	470	1 244 665 11	4.7k	1 244 689 11	47k	1 244 713 11	470k	1 244 737 11	4.7M	1 244 761 11
5.1	1 244 618 11	51	1 244 642 11	510	1 244 666 11	5.1k	1 244 690 11	51k	1 244 714 11	510k	1 244 738 11	5.1M	1 244 762 11
5.6	1 244 619 11	56	1 244 643 11	560	1 244 667 11	5.6k	1 244 691 11	56k	1 244 715 11	560k	1 244 739 11		
6.2	1 244 620 11	62	1 244 644 11	620	1 244 668 11	6.2k	1 244 692 11	62k	1 244 716 11	620k	1 244 740 11		
6.8	1 244 621 11	68	1 244 645 11	680	1 244 669 11	6.8k	1 244 693 11	68k	1 244 717 11	680k	1 244 741 11		
7.5	1 244 622 11	75	1 244 646 11	750	1 244 670 11	7.5k	1 244 694 11	75k	1 244 718 11	750k	1 244 742 11		
8.2	1 244 623 11	82	1 244 647 11	820	1 244 671 11	8.2k	1 244 695 11	82k	1 244 719 11	820k	1 244 743 11		
9.1	1 244 624 11	91	1 244 648 11	910	1 244 672 11	9.1k	1 244 696 11	91k	1 244 720 11	910k	1 244 744 11		

HARDWARE NOMENCLATURE

Screw:

P 3 x 10



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

Nut, Washer, Retaining ring:

Diameter of usable screw or shaft
Reference designation

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 fullister-head screw	
RF		fullister-head screw	
BV		brazer-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	

Sony Corporation

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