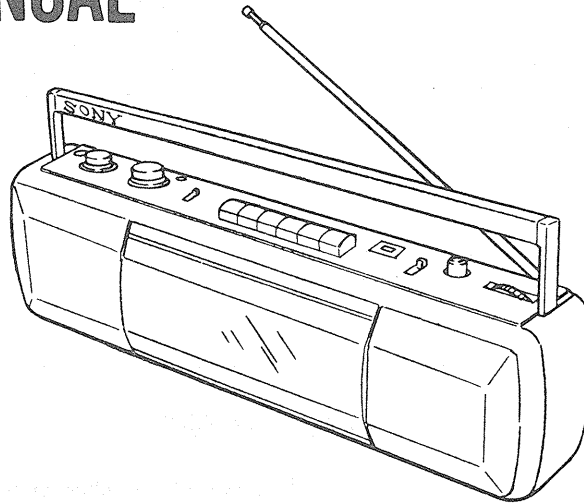


CFS-210S

SERVICE MANUAL

E Model
AUS Model



SPECIFICATIONS

Frequency range

	FM	MW	SW ₁	SW ₂
E, AUS model	87.6-108 MHz	530-1605 kHz	2.3-7 MHz	7-22 MHz
SAUDI ARABIA model	87.6-107 MHz			

Antennas	FM/SW: Telescopic antenna MW: Built-in ferrite bar antenna
Recording system	4-track 2-channel stereo
Frequency response	80-8,000Hz
Speakers	Full-range: 10cm (4 inches) dia. x 2
Power output	Peak music power output: 12W (6W + 6W) Maximum power output: 5W (2.5W + 2.5W)
Outputs	Headphones jack (stereo minijack) for 8-300 ohm impedance headphones
Power requirements	110/120 or 220/240V ac adjustable, 50/60Hz 9V dc, six battery IEC designation R20 (size D)
Power consumption	12W ac


Battery life

Batteries	FM continuous recording
Sony SUM-1 (NS)	17 hours
Sony AM-1 (N) alkaline	30 hours

Dimensions	Approx. 420 × 143.5 × 130mm (w/h/d) (16 1/8 × 5 3/4 × 5 1/8 inches) incl. projecting parts and controls
Weight	Approx. 2.8kg (6 lb 3 oz) incl. batteries

Model Name Using Similar Mechanism	CFS-240L
Tape Transport Mechanism Type	MF-210-75D

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK  ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

FM/MW/SW₁/SW₂
STEREO CASSETTE-CORDER
SONY[®]



SEE ADDITIONAL
INFORMATION

TABLE OF CONTENTS

<u>Title</u>	<u>Description</u>	<u>Page</u>
Specifications		1
Parts Identifications		2
Section 1. Adjustments		3
Section 2. Diagrams		
2-1. Mounting Diagram		8
2-2. Schematic Diagram		11
Section 3. Exploded Views and Parts List		14
Section 4. Electrical Parts List		18

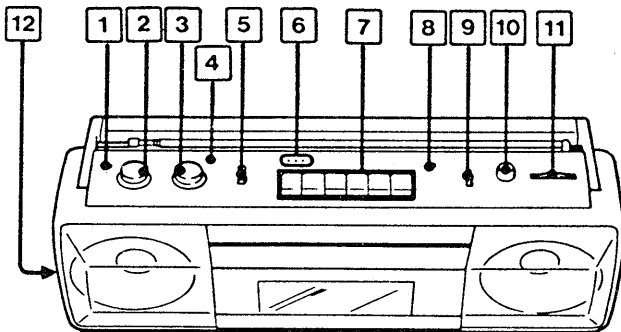
SERVICING NOTE

●Repairing printed resistor

Cut both sides of the resistor and solder the carbon resistor having same value in place of printed one of the conductor side.

1/6W carbon resistor is supplied for the replacing part of the printed resistor.

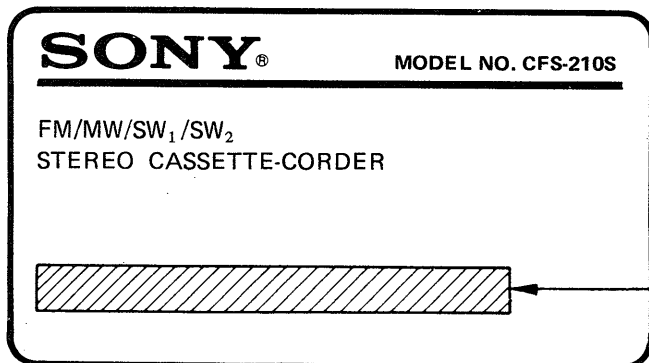
PARTS IDENTIFICATION



- 1 PHONES (headphones) jack
- 2 VOLUME control
- 3 TONE control
- 4 OPR/BATT (operation/battery check) indicator
When it glows faintly during battery operation, replace all the batteries with new ones.
- 5 FUNCTION (RADIO/TAPE) selector
- 6 MIC (built-in)
- 7 Tape operation buttons

PAUSE	◀ PLAY (playback)
◀◀ FF (fast forward)/CUE	● REC (record)
▶▶ REW (rewind)/REVIEW	■▲ STOP/EJECT
- 8 MONO/STEREO selector
During FM reception, normally set to STEREO.
When noise makes it hard to hear the broadcast, set to MONO.
- 9 BAND selector
- 10 FINE TUNING knob
- 11 TUNING knob
- 12 AC IN socket

— MODEL IDENTIFICATION — (Specification Label)



E, AUS model: 110-120/220-240V~50/60Hz 12W
SAUDI ARABIA model: 110-120/220-240V~60Hz 12W

SECTION 1 ADJUSTMENTS

1-1. MECHANICAL ADJUSTMENTS

PRECAUTION

1. Clean the following parts with a denatured-alcohol-moistened swab:

record/playback head	pinch roller
erase head	rubber belts
capstan	idlers
2. Demagnetize the record/playback head with a head demagnetizer. (Do not bring the head demagnetizer close to the erase head.)
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the rated power supply voltage unless otherwise noted.
6. The adjustments should be performed in the order given in this service manual.
The adjustments should be performed for both L-CH and R-CH.

Torque Measurement

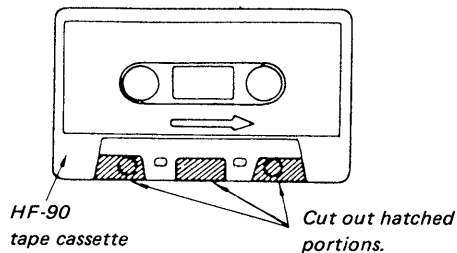
Torque	Torque meter	Meter reading
Forward	CQ-102C	25–50 g·cm (0.35–0.69oz·inch)
Fast Forward, Rewind	CQ-201B	65–110 g·cm (0.9–1.53oz·inch)
Back Tension	CQ-102C	2–6 g·cm (0.03–0.07oz·inch)

Tape Pulling Force Measurement

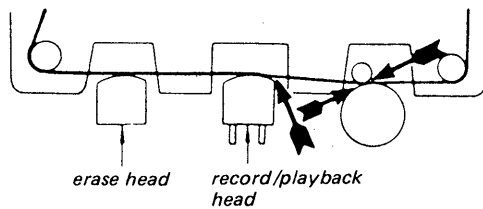
Meter	Meter reading
CQ-403	more than 170 g (more than 5.99 oz)

Head Height Adjustment

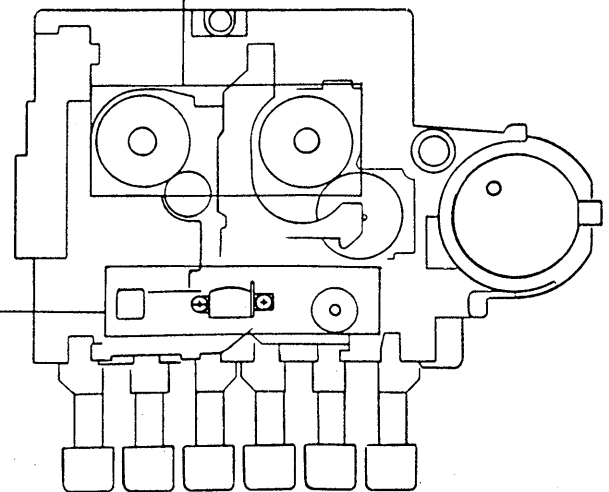
1. Prepare an adjustment cassette as shown below.



2. In playback mode and viewing from the front, adjust the head heights to eliminate tape curl and tape twist at the portions shown by arrow.



3-578-138-01 (t=0.1)
 3-578-138-11 (t=0.2)
 3-578-138-21 (t=0.3)
Shim, head height adjustment



1-2. TAPE RECORDER SECTION ELECTRICAL ADJUSTMENTS

Tape Speed Adjustment

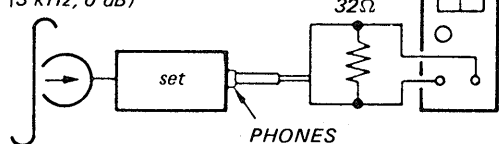
Setting:

FUNCTION switch: TAPE

Mode: playback

Procedure:

test tape
WS-48A
(3 kHz, 0 dB)

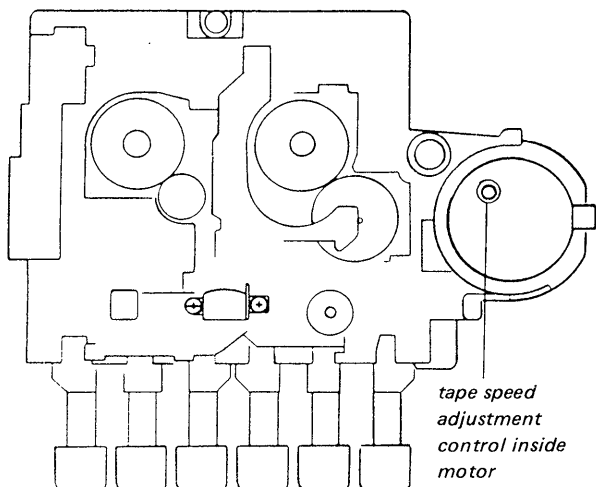


speed checker
LFM-30
or
digital frequency
counter

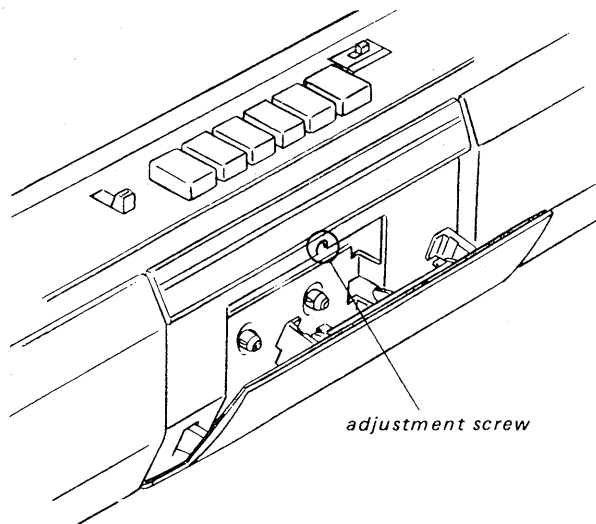
Specification:

Speed checker	Digital frequency counter
-3 to +3%	2,910 to 3,090Hz

Frequency difference between the beginning and the end of the tape should be within 1% (30 Hz).



Adjustment Location:



Record/Playback Head Azimuth Adjustment

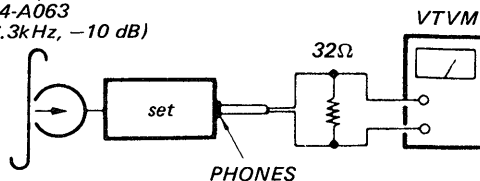
Setting:

FUNCTION switch: TAPE

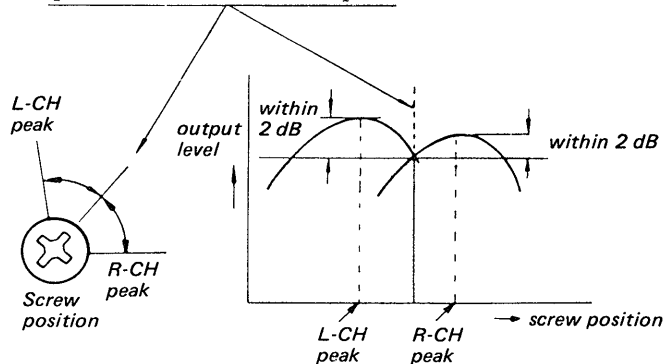
Procedure:

1. Mode: playback

test tape
P-4-A063
(6.3 kHz, -10 dB)



2. Turn the adjustment screw and check output peaks. If the peaks do not match for L-CH and R-CH, turn the adjustment screw so that outputs match within 2 dB of peak.

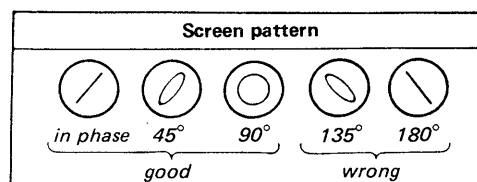
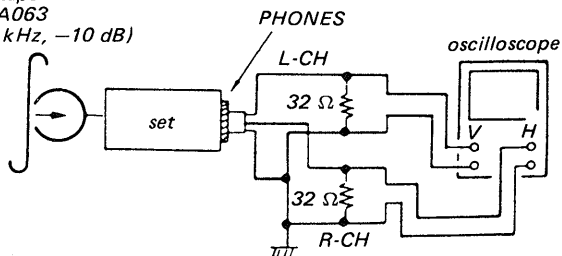


Note: Finish the screw adjustment with a turn in the clockwise direction. After the adjustment, lock the adjustment screw.

3. Phase Check

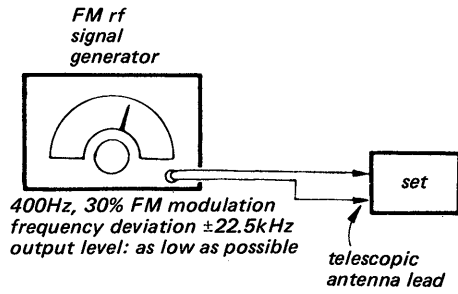
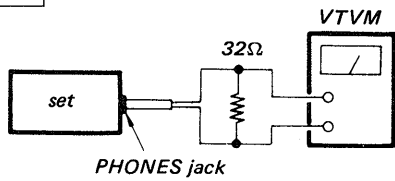
Mode: playback

test tape
P-4-A063
(6.3 kHz, -10 dB)



**1-3. RADIO SECTION
ELECTRICAL ADJUSTMENTS**

FM SECTION



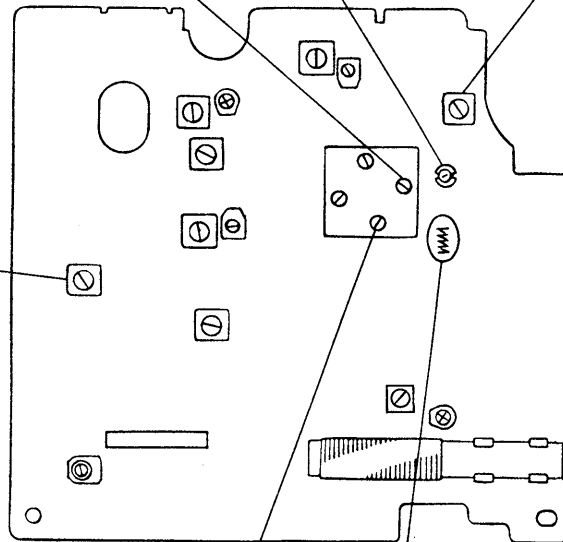
- Repeat the procedures in each adjustment several times, and the frequency coverage and tracking adjustments should be finally done by the trimmer capacitors.

(): SAUDI ARABIA model

FM FREQUENCY COVERAGE ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
108.0 MHz (107.8 MHz)	87.5 MHz (87.35 MHz)
CT2	L2

FM IF ADJUSTMENT (1)
Adjust for a maximum reading on VTVM.
98 MHz
T1

FM IF ADJUSTMENT (2)	
Minimum distortion	
98 MHz	T2



CT1	L1
108.0 MHz (107.8 MHz)	87.5 MHz (87.35 MHz)
Adjust for a maximum reading on VTVM.	
FM TRACKING ADJUSTMENT	

- FM tracking adjustment should be made after FM IF alignment.

(): SAUDI ARABIA model

SEE ADDITIONAL INFORMATION

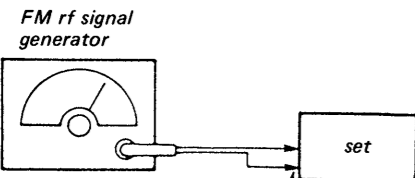
SEE ADDITIONAL INFORMATION

VCO Adjustment

Setting:
FM MONO/ST switch: FM ST

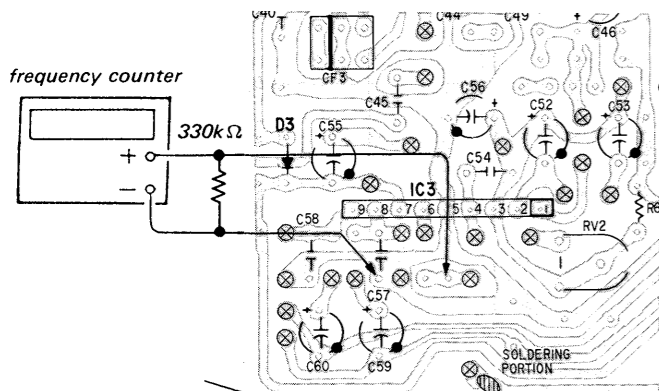
A) Regular Method

Procedure:



Carrier frequency: 98MHz
400Hz, 30% FM modulation
frequency deviation ± 22.5 kHz
Output level: 562 μ V (55dB)

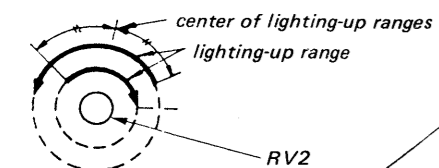
1. Connect frequency counter to it as shown below.
2. Tune the set to 98MHz.
3. Adjust RV1 for 38kHz \pm 0.1kHz reading on the frequency counter.



B) Simple Method

Procedure:

1. Tune the set to the FM stereo broadcasting signal.
2. Turn RV1 clockwise or counterclockwise and memorize the lighting-up range of the FM STEREO lamp.
3. Secure RV1 at the center of the lighting-up range of both turns as shown below.



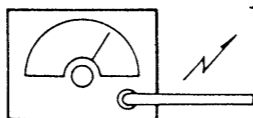
MW/SW SECTION

MW

Setting:

FUNCTION switch: RADIO
BAND switch: MW

AM rf signal generator



Put the lead-wire antenna close to the set.

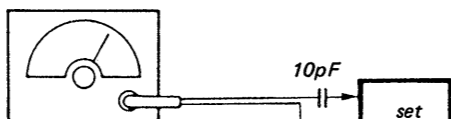
30% amplitude modulation by 400Hz signal

SW

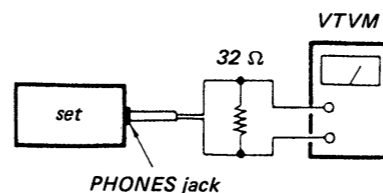
Setting:

FUNCTION switch: RADIO
BAND switch: SW₁/SW₂

AM rf signal generator



30% amplitude modulation by 400Hz signal



- Repeat the procedure in each adjustment several times, and the frequency coverage and tacking adjustments should be finally done by the trimmer capacitors.
- Set the FINE TUNING knob in the center position for the SW adjustments.

SW ₁ FREQUENCY COVERAGE ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
2.25 MHz	7.30 MHz
L12	CT8

SW ₂ FREQUENCY COVERAGE ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
6.8 MHz	22.5 MHz
L10	CT7

SW ₂ TRACKING ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
20 MHz	CT5
8 MHz	L8

MW FREQUENCY COVERAGE ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
L11	525 kHz
CT4	1,650 kHz

SW ₁ TRACKING ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
L9-2	3 MHz
CT6	6 MHz

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

CT3	L9-1
1,400 kHz	600 kHz
Adjust for a maximum reading on VTVM.	
MW TRACKING ADJUSTMENT	

SEE ADDITIONAL INFORMATION

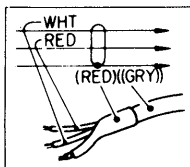
SECTION 2
DIAGRAMS

2-1. MOUNTING DIAGRAM

SEE ADDITIONAL INFORMATION

SEE ADDITIONAL INFORMATION

Note:
• Color code of sleeving over the end of the jacket.



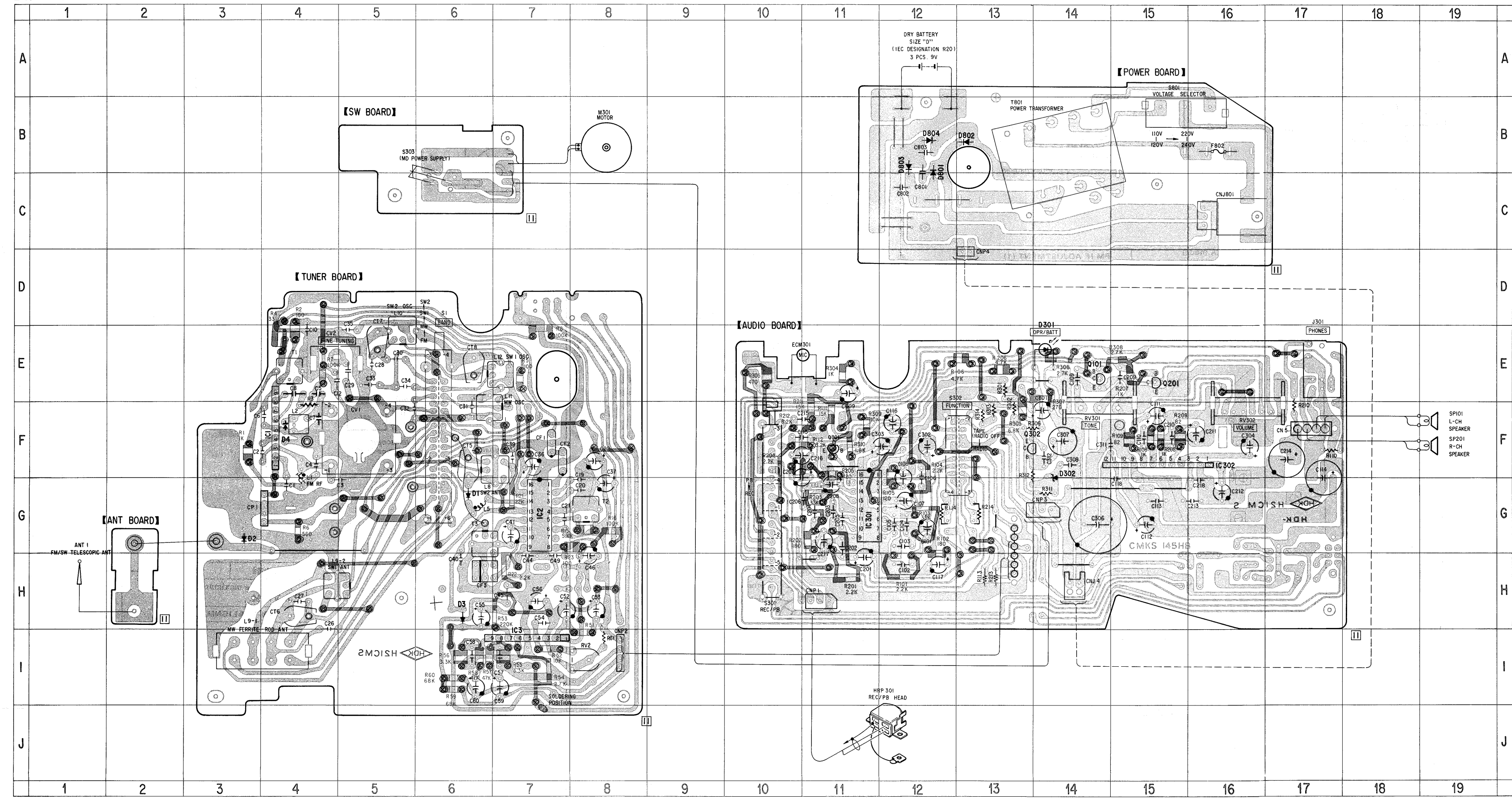
• : indicates side identified with part number.
• : printed resistor

• SEMICONDUCTOR LOCATION

Ref. No.	Location
IC1	F-4
IC2	G-7
IC3	I-7
IC301	G-11
IC302	F-15
Q101	E-14
Q201	F-15
Q301	F-11
Q302	F-14
D1	G-6
D2	G-3
D3	H-6
D4	F-4
D301	F-14
D302	G-14
D801	B-12
D802	B-13
D803	B-12
D804	B-12

Semiconductors Lead Layout

TA7282AP 	2SC2001-L
TA7343AP TA7358AP 	ISS119
LA1260S TA7668BP 	10E2 IS2687CS
2SC634SP 	TLR123



2-2. SCHEMATIC DIAGRAM

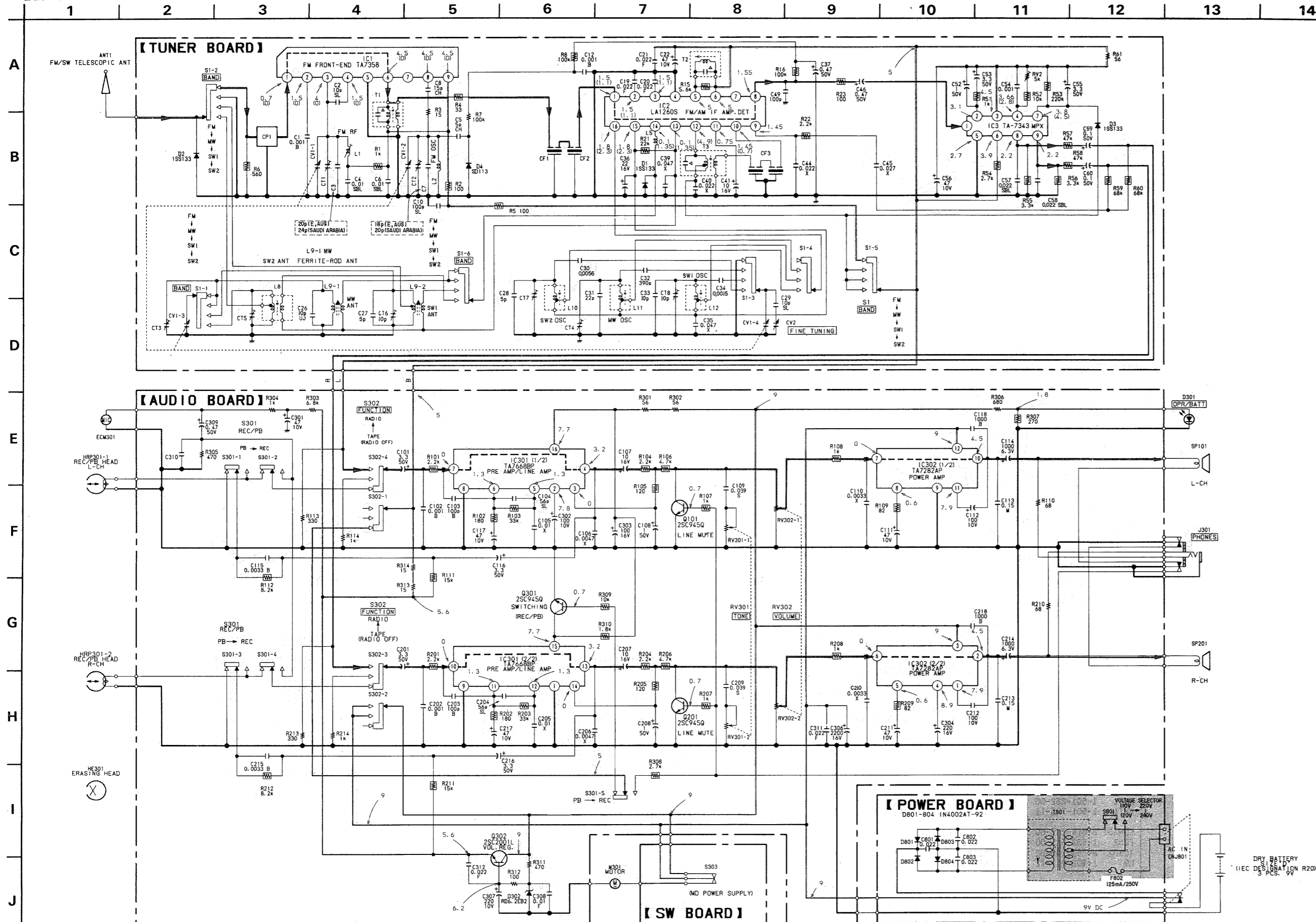
SEE ADDITIONAL INFORMATION

CFS-210S CFS-210S

SEE ADDITIONAL INFORMATION

SEE ADDITIONAL INFORMATION

CFS-210S



Note:

- All capacitors are in μF unless otherwise noted. $\text{pF} = \mu\mu\text{F}$ 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $\frac{1}{4}\text{W}$ or less unless otherwise specified.

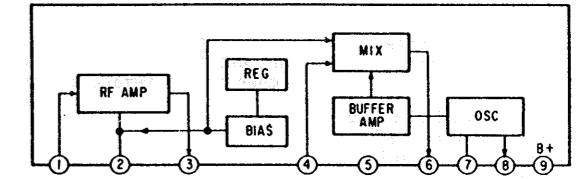
Note: The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

- Δ : internal component.
- \square : nonflammable resistor.
- --- : printed resistor
- Switch

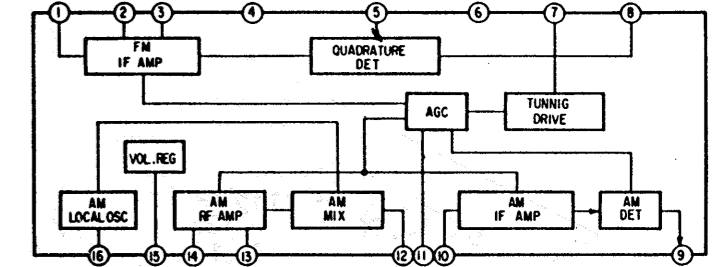
Ref. No.	Switch	Position
S1	BAND	FM
S2	STEREO/MONO	STEREO
S301	REC/PB	PB
S302	FUNCTION	TAPE
S303	MD POWER	OFF

- --- : B+ bus.
- \square : adjustment for repair.
- Voltages are dc with respect to ground unless otherwise noted.
- Readings are taken under no-signal (detuned) conditions with a VOM (50 $\text{k}\Omega/\text{V}$).
- () : AM
- no mark: FM
- Voltage variations may be noted due to normal production tolerances.
- --- : signal path

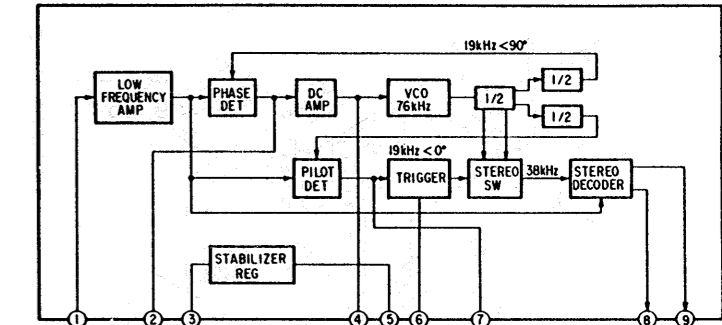
TA7358AP



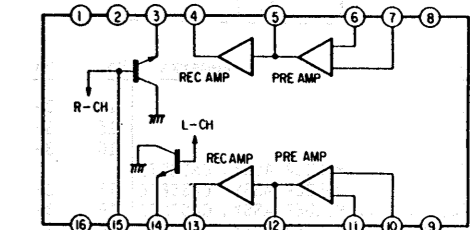
LA1260S



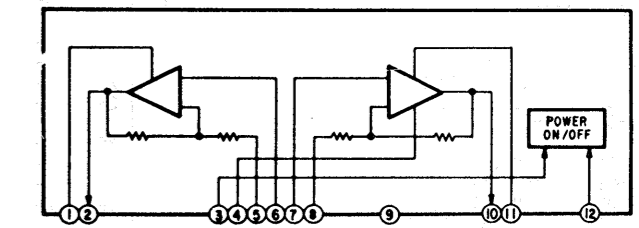
TA7343AP



TA7668BP



TA7282AP



SEE ADDITIONAL INFORMATION

**SECTION 3
EXPLODED VIEWS AND PARTS LIST**

NOTE:

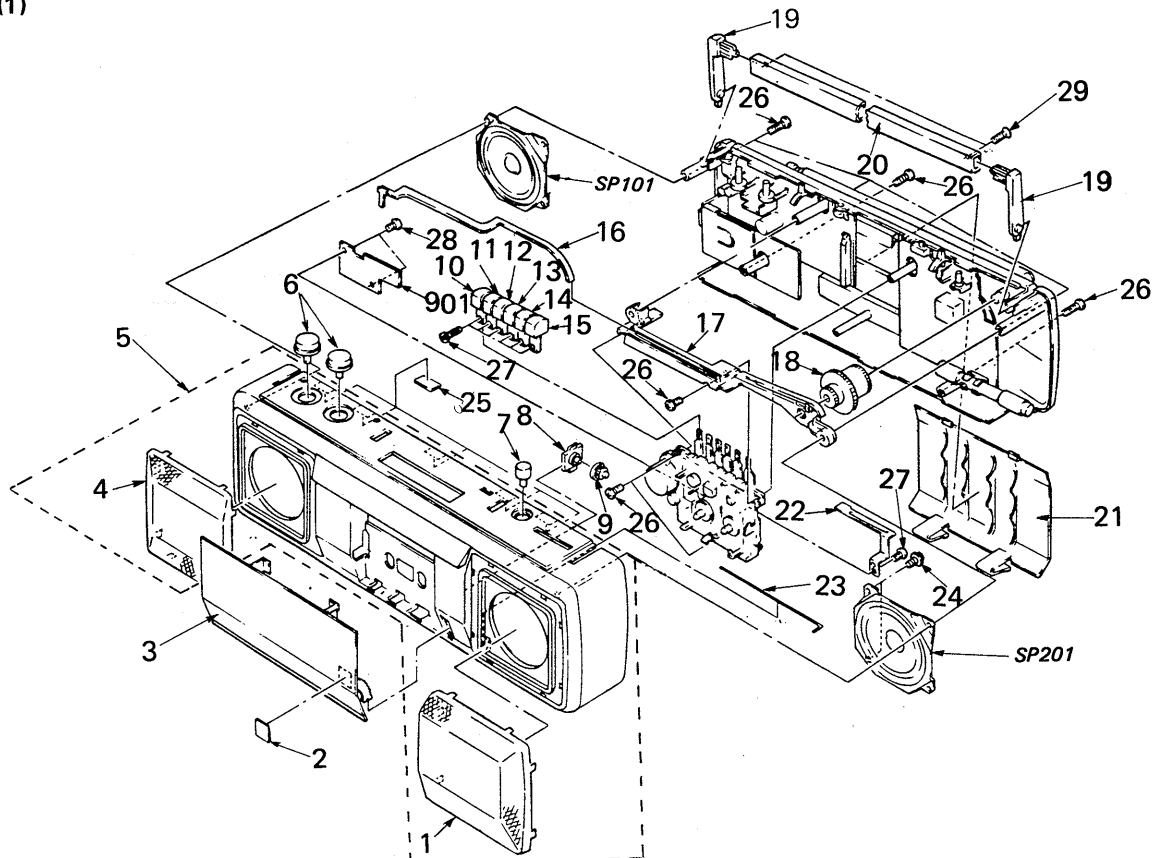
The mechanical parts with no reference number in the exploded views are not supplied.

The construction parts of an assembled part are indicated with a collation number in the remark column.

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

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

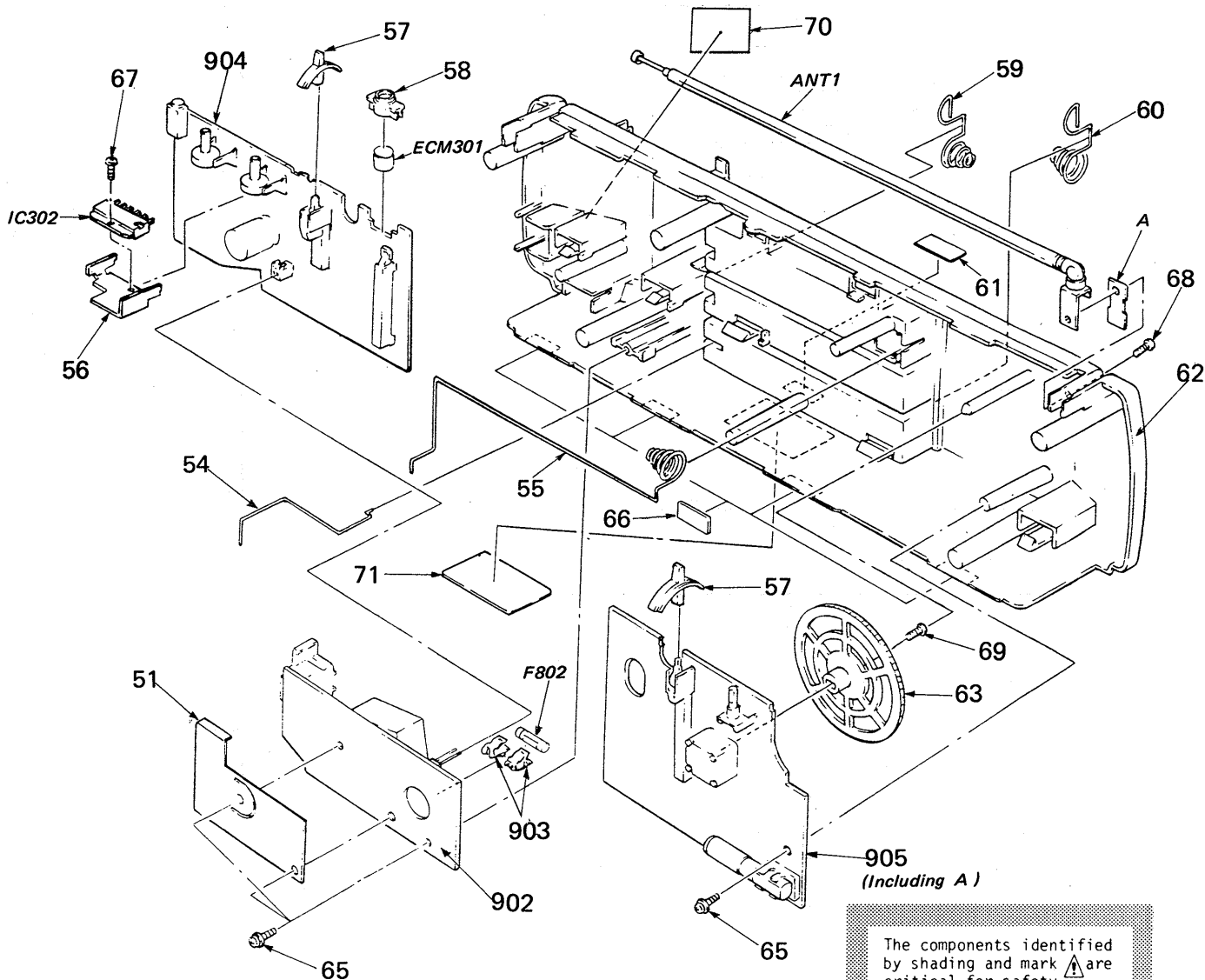
(1)





No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
1	3-338-526-01	GRILLE (RIGHT), SP		14	3-338-515-01	BUTTON (A), REC	
2	3-703-707-01	STICKER, SONY SYMBOL (21)		15	3-338-514-01	BUTTON (A), STOP	
3	X-3338-509-1	(E,AUS:BLACK).....HOLDER ASSY, CASSETE		16	3-338-530-01	RACK, POINTER	
	X-3338-509-1	(Saudi Arabia:BLACK).....HOLDER ASSY, CASSETE		17	3-338-531-01	CHASSIS	
	X-3338-510-1	(E,AUS:WHITE).....HOLDER ASSY, CASSETE		18	3-338-521-01	KNOB, TUNING	
	X-3338-510-1	(Saudi Arabia:WHITE).....HOLDER ASSY, CASSETE		19	3-338-524-01	PLATE, SIDE, HANDLE	
4	3-338-527-01	GRILLE (LEFT), SP		20	3-338-525-21	(BLK)....HANDLE	
					3-338-525-41	(WHT)....HANDLE	
5	X-3338-520-1	(E,AUS:BLACK).....PANEL ASSY, FRONT		21	3-338-532-01	(AUS,Saudi Arabia)....LID, BATTERY CASE	
	X-3338-521-1	(E,AUS:WHITE).....PANEL ASSY, FRONT			3-338-532-21	(E).....LID, BATTERY CASE	
	X-3338-526-1	(Saudi Arabia:BLACK)....PANEL ASSY, FRONT		22	3-338-506-01	SPRING	
	X-3338-527-1	(Saudi Arabia:WHITE)....PANEL ASSY, FRONT		23	3-338-508-01	SPRING	
6	3-338-522-01	KNOB, VOL		24	3-703-137-00	SCREW, TAPPING	
7	3-338-501-01	KNOB, FINE TUNE		25	3-831-441-XX	CUSHION, SPEAKER	
8	*3-338-507-01	BRACKET, EJECT		26	7-685-648-79	SCREW +BVTP 3X12 TYPE2 N-S	
9	3-319-592-01	GEAR, SE		27	7-621-259-25	SCREW +BVTT 2.6X4 (S)	
10	3-338-519-01	BUTTON (A), PAUSE		28	7-687-234-11	SCREW,TOTSU PTPWH 2.6X8,TYPE2	
11	3-338-516-01	BUTTON (A), FF		29	7-685-247-19	SCREW +KTP 3X10 TYPE2 SLIT	
12	3-338-517-01	BUTTON (A), REW					
13	3-338-518-01	BUTTON (A), PLAY		901	*1-621-300-11	PC BOARD, SW	
				SP101	1-503-746-11	SPEAKER	
				SP201	1-503-746-11	SPEAKER	

SEE ADDITIONAL INFORMATION

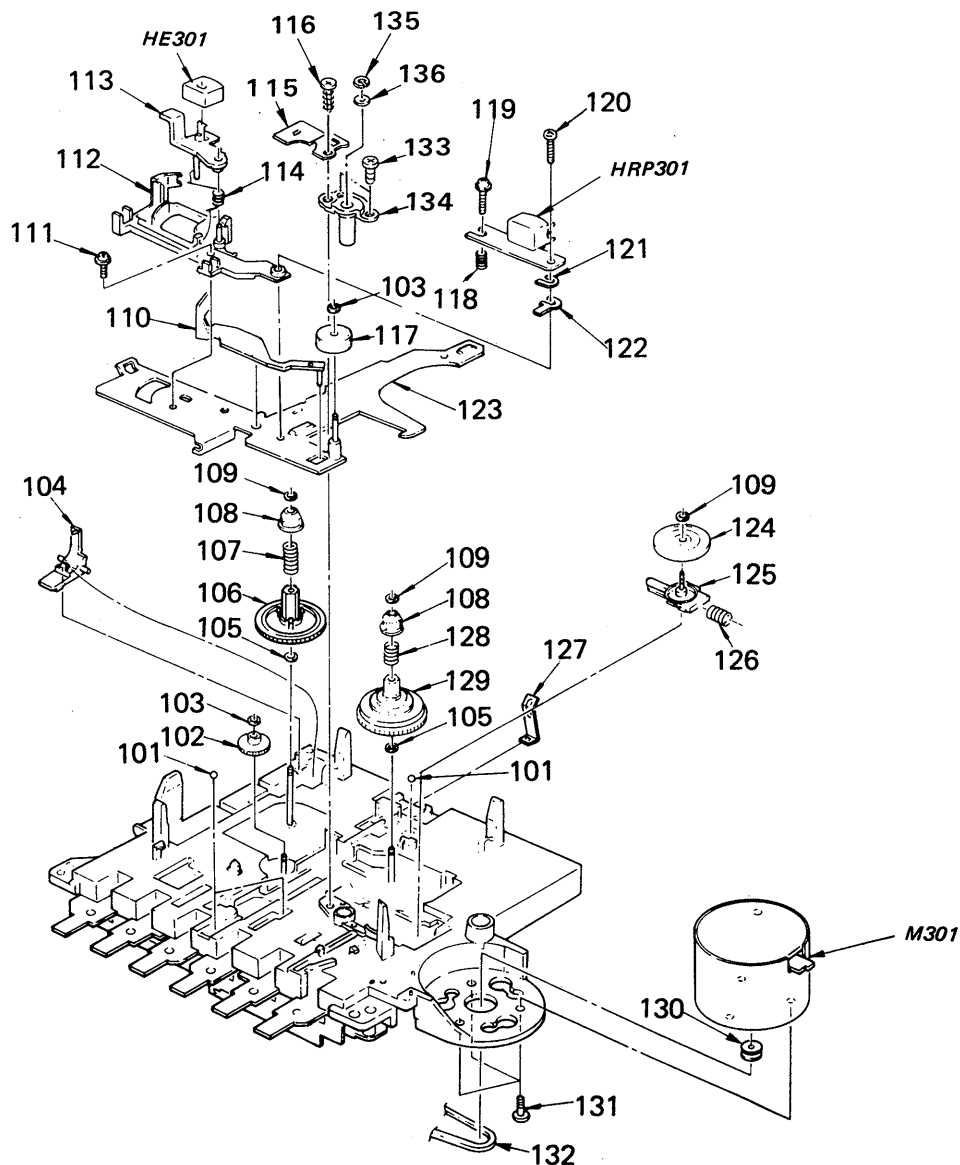
(2)



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

No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
51	*3-338-503-01	COVER, POWER		70	*4-908-749-01	LABEL, VOLTAGE SELECTOR	
54	3-338-509-01	TERMINAL, PLUS		71	*3-338-550-01	(Saudi Arabia)...LABEL, MODEL NUMBER	
55	3-338-512-01	TERMINAL, MINUS		902	*1-621-301-11	PC BOARD, POWER	
56	*3-338-504-01	HEAT SINK		903	 1-533-183-11	HOLDER, FUSE	
57	3-338-520-01	KNOB, FUNCTION		904	*A-3270-363-A	PC BOARD ASSY, AUDIO	
58	3-321-122-01	CUSHION, MICROPHONE		905	*A-3266-354-A	(E,AUS).....PC BOARD ASSY, TUNER	
59	3-338-510-01	SPRING (A)			*A-3266-387-A	(Saudi Arabia)...PC BOARD ASSY, TUNER	
60	3-338-511-01	SPRING (B)		ANT1	1-501-262-00	(Saudi Arabia)...ANTENNA, TELESCOPIC	
61	3-527-213-00	LABEL, SERIAL NUMBER		ANT1	1-501-375-11	(E,AUS).....ANTENNA, TELESCOPIC	
62	3-338-534-81	CABINET (REAR)		ECM301	8-814-186-00	MICROPHONE, ELECTRET CONDENSER	
63	3-338-505-01	DRUM, TUNING CAPACITOR		F802	1-532-611-00	FUSE, TIME-LAG	
65	3-703-137-00	SCREW, TAPPING		IC302	8-759-205-82	IC TA7282AP	
66	3-831-441-XX	CUSHION, SPEAKER		L9	1-402-251-11	COIL, ANT (SW1)	
67	7-685-645-79	SCREW +BVTP 3X6 TYPE2 SLIT					
68	7-682-148-01	SCREW +P 3X8					
69	7-621-259-45	SCREW +P 2.6X6					

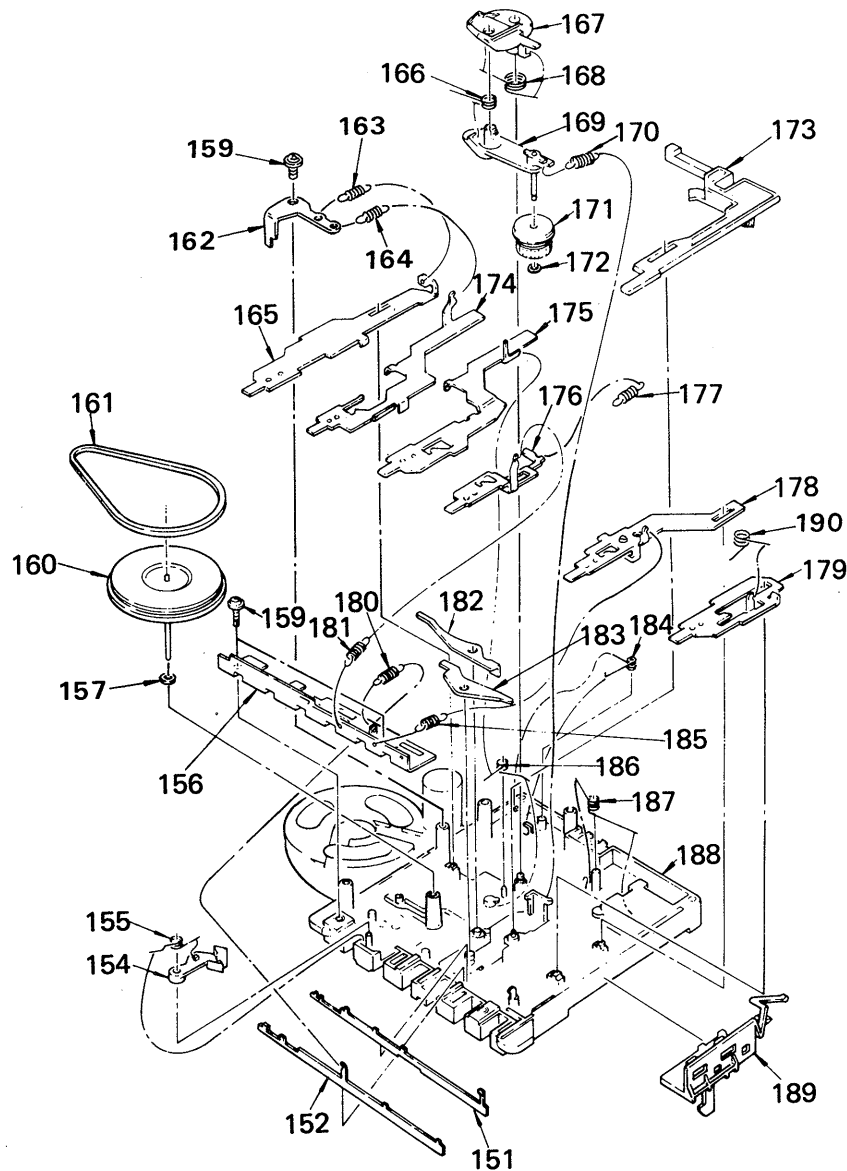
(3)



No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
101	7-671-112-11	BALL, STEEL		122	3-331-108-01	LUG (T), SEAM	
102	3-558-620-11	GEAR, REWIND			3-331-108-11	LUG (T), SEAM	
103	3-307-948-01	WASHER, NYLON			3-331-108-21	LUG (T), SEAM	
104	3-313-357-00	CLAW, REC PREVENTION			3-331-108-31	LUG (T), SEAM	
105	3-701-437-21	WASHER			3-331-108-41	LUG (T), SEAM	
106	3-313-305-00	TABLE, REEL, SUPPLY		123	X-3313-311-1	CHASSIS ASSY	
107	3-313-344-00	SPRING, COMPRESSION		124	X-3313-307-0	PULLEY ASSY, FWD	
108	3-313-333-00	CLAW, REEL		125	X-3313-301-0	BRACKET ASSY, T PULLEY	
109	3-558-708-01	WASHER, STOPPER		126	3-573-464-00	SPRING, COMPRESSION	
110	3-313-316-00	PULLEY		127	3-313-902-00	SPRING	
111	7-621-955-35	SCREW (2MMX5), + PWH		128	3-324-213-01	SPRING, COMPRESSION	
112	3-334-717-01	BRACKET (M), HEAD		129	A-3130-031-A	TABLE ASSY, REEL, TAKE-UP	
113	3-324-221-01	ARM (DC), ERASE HD		130	X-3313-308-1	PULLEY, MOTOR	
114	3-313-339-00	SPRING		131	7-621-770-87	SCREW +P 2.6X5	
115	*3-332-309-01	SPRING (B)		132	3-313-335-00	BELT, CAPSTAN	
116	3-324-220-01	SCREW (B2.6), TAPPING		133	3-318-203-71	SCREW (B1.7X5), TAPPING	
117	3-703-597-41	PINCH ROLLER, STANDARD		134	X-3319-945-1	BEARING ASSY, CAPSTAN	
118	3-313-340-00	SPRING, COMPRESSION		135	3-307-948-41	WASHER, NYLON	
119	3-701-465-00	SCREW, LOCK		136	3-701-438-11	WASHER, 2.5	
120	7-621-772-40	SCREW +B 2X8		HE301	1-543-396-11	HEAD, ERASE	
121	3-578-138-01	SEAM		HRP301	1-543-340-21	HEAD, MAGNETIC (REC/PB)	
	3-578-138-11	SEAM		M301	1-541-231-00	MOTOR	
	3-578-138-21	SEAM					

SEE ADDITIONAL INFORMATION

3-4.



No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
151	*3-331-145-01	PLATE (C), LOCK		172	3-558-708-01	WASHER, STOPPER	
152	*3-313-351-11	PLATE (A), LOCK		173	3-313-356-00	BRAKE	
154	3-313-322-02	LEVER (A), S.OFF		174	*3-313-353-00	LEVER, FF BUTTON	
155	3-313-323-00	SPRING		175	*3-313-354-00	LEVER, REW BUTTON	
156	*3-313-359-00	RETAINER, LEVER		176	*3-313-326-00	LEVER, FWD BUTTON	
157	3-701-438-11	WASHER, 2.5		177	3-313-342-00	SPRING, TENSION	
159	7-687-233-11	SCREW (+ PTPWH) (2.6X6)		178	*3-313-350-00	LEVER, REC BUTTON	
160	X-3592-309-1	FLYWHEEL (E) ASSY		179	*3-313-325-00	LEVER, STOP BUTTON	
161	3-313-335-00	BELT, CAPSTAN		180	3-313-343-00	SPRING, TENSION	
162	*3-332-310-01	HOOK, SPRING		181	3-313-369-00	SPRING, TENSION	
163	3-313-349-00	SPRING, TENSION		182	*3-313-320-00	LEVER, RCP	
164	3-313-348-00	SPRING, TENSION		183	*3-313-321-00	LEVER, PREVENTION, RFR	
165	*3-313-381-01	LEVER (B), PAUSE BUTTON		184	3-313-378-01	SPRING (A)	
166	3-313-313-00	SPRING		185	3-322-529-01	SPRING, TENSION	
167	3-313-314-00	LEVER (SI), FR		186	3-313-338-00	SPRING	
168	3-313-315-00	SPRING		187	3-313-327-00	SPRING	
169	X-3313-304-0	ARM ASSY, REW		188	A-3102-092-A	CHASSIS ASSY, MECHANICAL	
170	3-313-365-00	SPRING, TENSION		189	3-313-380-01	CLAW (A), EJECT	
171	X-3313-312-1	IDLER ASSY, FR		190	3-313-331-00	SPRING	

**SECTION 4
ELECTRICAL PARTS LIST**

SEE ADDITIONAL INFORMATION

NOTE:

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:

MF:μF, PF:μμF.

RESISTORS

- All resistors are in ohms.
- F : nonflammable

COILS

MMH : mH, UH : μH

SEMICONDUCTORS

In each case, U : μ, for example:

UA...: μA..., UPA...: μPA..., UPC...: μPC,

UPD...: μPD...

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

ELECTRICAL PARTS

Ref.No.	Part No.	Description
901	*1-621-300-11	PC BOARD, SW
902	*1-621-301-11	PC BOARD, POWER
903	Δ 1-533-183-11	HOLDER, FUSE
904	*A-3270-363-A	PC BOARD ASSY, AUDIO
905	*A-3266-354-A	(E,AUS)...PC BOARD ASSY, TUNER
	*A-3266-387-A	(Saudi Arabia)...PC BOARD ASSY, TUNER
ANT1	1-501-262-00	(Saudi Arabia)...ANTENNA, TELESCOPIC
ANT1	1-501-375-11	(E,AUS).....ANTENNA, TELESCOPIC
C1	1-102-074-00	CERAMIC 0.001MF 10% 50V
C2	1-102-947-00	CERAMIC 10PF 5% 50V
C3	1-101-974-00	(E,AUS).....CERAMIC 20PF 5% 50V
C3	1-102-960-00	(Saudi Arabia)...CERAMIC 24PF 5% 50V
C4	1-161-013-00	CERAMIC 0.01MF 10% 25V
C5	1-102-864-00	CERAMIC 5PF 0.5PF 50V
C6	1-161-013-00	CERAMIC 0.01MF 10% 25V
C7	1-101-972-00	(E,AUS).....CERAMIC 18PF 5% 50V
C7	1-102-959-00	(Saudi Arabia)...CERAMIC 22PF 5% 50V
C8	1-102-851-00	CERAMIC 15PF 5% 50V
C10	1-102-973-00	CERAMIC 100PF 5% 50V
C12	1-102-074-00	CERAMIC 0.001MF 10% 50V
C19	1-101-005-00	CERAMIC 0.022MF 50V
C20	1-101-005-00	CERAMIC 0.022MF 50V
C21	1-101-005-00	CERAMIC 0.022MF 50V
C22	1-123-306-00	ELECT 47MF 20% 10V
C26	1-102-947-00	CERAMIC 10PF 0.5PF 50V
C27	1-102-942-00	CERAMIC 5PF 0.5PF 50V
C28	1-102-998-00	CERAMIC 5PF 0.5PF 50V
C29	1-102-947-00	CERAMIC 10PF 5% 50V
C30	1-104-095-00	POLYSTYRENE 0.0056MF 5% 50V
C31	1-102-959-00	CERAMIC 22PF 5% 50V
C32	1-104-067-00	POLYSTYRENE 390PF 5% 50V
C33	1-102-947-00	CERAMIC 10PF 0.5PF 50V
C34	1-104-228-00	POLYSTYRENE 0.0015MF 5% 50V
C35	1-161-059-00	CERAMIC 0.047MF 10% 25V
C36	1-123-330-00	ELECT 22MF 20% 16V
C37	1-123-379-00	ELECT 0.47MF 20% 50V
C39	1-161-059-00	CERAMIC 0.047MF 10% 25V
C40	1-161-055-00	CERAMIC 0.022MF 10% 25V
C41	1-123-356-00	ELECT 10MF 20% 16V
C44	1-161-055-00	CERAMIC 0.022MF 10% 25V
C45	1-161-056-00	CERAMIC 0.027MF 10% 25V
C46	1-123-379-00	ELECT 0.47MF 20% 50V
C49	1-102-973-00	CERAMIC 100PF 5% 50V
C52	1-123-380-00	ELECT 1MF 20% 50V

ELECTRICAL PARTS

Ref.No.	Part No.	Description
C53	1-123-382-00	ELECT 3.3MF 20% 50V
C54	1-104-077-00	POLYSTYRENE 0.001MF 5% 50V
C55	1-123-382-00	ELECT 3.3MF 20% 50V
C56	1-123-306-00	ELECT 47MF 20% 10V
C57	1-161-055-00	CERAMIC 0.022MF 10% 25V
C58	1-161-055-00	CERAMIC 0.022MF 10% 25V
C59	1-124-463-00	ELECT 0.1MF 20% 50V
C60	1-124-463-00	ELECT 0.1MF 20% 50V
C101	1-123-382-00	ELECT 3.3MF 20% 50V
C102	1-102-074-00	CERAMIC 0.001MF 10% 50V
C103	1-102-106-00	CERAMIC 100PF 10% 50V
C104	1-101-884-00	CERAMIC 56PF 5% 50V
C105	1-161-013-00	CERAMIC 0.01MF 10% 25V
C106	1-161-047-00	CERAMIC 0.0047MF 10% 25V
C107	1-123-356-00	ELECT 10MF 20% 16V
C108	1-123-380-00	ELECT 1MF 20% 50V
C109	1-161-058-00	CERAMIC 0.039MF 10% 25V
C110	1-161-045-00	CERAMIC 0.0033MF 10% 25V
C111	1-123-306-00	ELECT 47MF 20% 10V
C112	1-123-307-00	ELECT 100MF 20% 10V
C113	1-130-497-00	MYLAR 0.15MF 5% 50V
C114	1-123-299-00	ELECT 1000MF 20% 6.3V
C115	1-102-123-00	CERAMIC 0.0033MF 10% 50V
C116	1-123-382-00	ELECT 3.3MF 20% 50V
C117	1-123-306-00	ELECT 47MF 20% 10V
C118	1-102-074-00	CERAMIC 0.001MF 10% 50V
C201	1-123-382-00	ELECT 3.3MF 20% 50V
C202	1-102-074-00	CERAMIC 0.001MF 10% 50V
C203	1-102-106-00	CERAMIC 100PF 10% 50V
C204	1-101-884-00	CERAMIC 56PF 5% 50V
C205	1-161-013-00	CERAMIC 0.01MF 10% 25V
C206	1-161-047-00	CERAMIC 0.0047MF 10% 25V
C207	1-123-356-00	ELECT 10MF 20% 16V
C208	1-123-380-00	ELECT 1MF 20% 50V
C209	1-161-058-00	CERAMIC 0.039MF 10% 25V
C210	1-161-045-00	CERAMIC 0.0033MF 10% 25V
C211	1-123-306-00	ELECT 47MF 20% 10V
C212	1-123-307-00	ELECT 100MF 20% 10V
C213	1-130-497-00	MYLAR 0.15MF 5% 50V
C214	1-123-299-00	ELECT 1000MF 20% 6.3V
C215	1-102-123-00	CERAMIC 0.0033MF 10% 50V
C216	1-123-382-00	ELECT 3.3MF 20% 50V
C217	1-123-306-00	ELECT 47MF 20% 10V
C218	1-102-074-00	CERAMIC 0.001MF 10% 50V
C301	1-123-306-00	ELECT 47MF 20% 10V

SEE ADDITIONAL
INFORMATION

ELECTRICAL PARTS

Ref.No.	Part No.	Description
C302	1-123-307-00	ELECT 100MF 20% 10V
C303	1-123-333-00	ELECT 100MF 20% 16V
C304	1-123-321-00	ELECT 220MF 20% 16V
C306	1-123-325-00	ELECT 2200MF 20% 16V
C307	1-124-124-00	ELECT 220MF 20% 10V
C308	1-101-004-00	CERAMIC 0.01MF 50V
C309	1-123-379-00	ELECT 0.47MF 20% 50V
C311	1-101-005-00	CERAMIC 0.022MF 50V
C312	1-101-005-00	CERAMIC 0.022MF 50V
C801	1-101-005-00	CERAMIC 0.022MF 50V
C802	1-101-005-00	CERAMIC 0.022MF 50V
C803	1-101-005-00	CERAMIC 0.022MF 50V
CF1	1-567-802-71	FILTER, CERAMIC
CF2	1-567-802-71	FILTER, CERAMIC
CF3	1-527-865-00	FILTER, CERAMIC
CNJ4	*1-563-307-11	CONNECTOR (SOCKET) 2P
CNJ801A	*1-526-838-11	INLET, AC 2P
CNP1	*1-506-707-11	PLUG, CONNECTOR (2.5MM) 3P
CNP2	*1-564-778-11	PLUG, CONNECTOR (2.5MM) 4P
CNP3	*1-506-707-11	PLUG, CONNECTOR (2.5MM) 3P
CNP4	*1-560-530-00	PIN, CONNECTOR 2P
CNP5	*1-564-778-11	PLUG, CONNECTOR (2.5MM) 4P
CP1	1-235-911-21	FILTER, BAND PASS
CT5	1-141-290-11	CAP, VAR FILM TRIMMER
CT6	1-141-290-11	CAP, VAR FILM TRIMMER
CT7	1-141-290-11	CAP, VAR FILM TRIMMER
CT8	1-141-290-11	CAP, VAR FILM TRIMMER
CV1	1-151-387-00	CAP, TUNING, POLYETHYLENE (Including,CT1-4)
CV2	1-141-328-11	CAP, TRIMMER (FINE TUNING)
D1	8-719-911-19	DIODE 1SS119
D2	8-719-911-19	DIODE 1SS119
D3	8-719-911-19	DIODE 1SS119
D4	8-719-768-75	DIODE 1S2687CS
D301	8-719-812-31	DIODE TLR123 (OPR/BATT)
D302	8-719-100-38	DIODE RD6.2EB2
D801	8-719-200-02	DIODE 10E2
D802	8-719-200-02	DIODE 10E2
D803	8-719-200-02	DIODE 10E2
D804	8-719-200-02	DIODE 10E2
ECM301	8-814-186-00	MICROPHONE, ELECTRET CONDENSER
F802	*1-532-611-00	FUSE, TIME-LAG
HE301	1-543-396-11	HEAD, ERASE
HRP301	1-543-340-21	HEAD, MAGNETIC (REC/PB)
IC1	8-759-204-03	IC TA7358AP
IC2	8-759-801-24	IC LA1260S
IC3	8-759-203-87	IC TA7343AP
IC301	8-759-205-91	IC TA7668BP
IC302	8-759-205-82	IC TA7282AP
J301	1-507-948-11	JACK (PHONES)

ELECTRICAL PARTS

Ref.No.	Part No.	Description
L1	1-422-317-21	COIL, VHF
L2	1-459-694-11	COIL, FM OSC
L5	*1-409-293-00	COIL, AIR CORE
L8	1-402-249-11	COIL, SW2 ANT
L9-1	1-402-248-21	ANTENNA, FERRITE-ROD (MW)
L9-2	1-402-251-11	COIL, ANT (SW1)
L10	1-406-221-11	COIL, SW2 OSC
L11	1-406-059-00	COIL, OSC (MW)
L12	1-406-220-11	COIL, OSC (SW1)
M301	1-541-231-00	MOTOR
Q101	8-729-600-27	TRANSISTOR 2SC634SP
Q201	8-729-600-27	TRANSISTOR 2SC634SP
Q301	8-729-600-27	TRANSISTOR 2SC634SP
Q302	8-729-100-12	TRANSISTOR 2SC2001-L
R1	1-249-417-11	CARBON 1K 10% 1/32W
R2	1-249-405-11	CARBON 100 10% 1/32W
R3	1-249-395-11	CARBON 15 5% 1/6W
R4	1-249-399-11	CARBON 33 10% 1/32W
R5	1-249-405-11	CARBON 100 10% 1/32W
R6	1-249-414-11	CARBON 560 10% 1/32W
R7	1-249-441-11	CARBON 100K 10% 1/32W
R8	1-249-441-11	CARBON 100K 10% 1/32W
R15	1-247-849-00	CARBON 5.6K 10% 1/32W
R16	1-249-441-11	CARBON 100K 10% 1/32W
R21	1-249-433-11	CARBON 22K 10% 1/32W
R22	1-249-421-11	CARBON 2.2K 10% 1/32W
R23	1-249-405-11	CARBON 100 10% 1/32W
R51	1-249-417-11	CARBON 1K 10% 1/32W
R52	1-249-429-11	CARBON 10K 10% 1/32W
R53	1-215-477-00	CARBON 220K 10% 1/32W
R54	1-249-422-11	CARBON 2.7K 10% 1/32W
R55	1-249-423-11	CARBON 3.3K 10% 1/32W
R56	1-249-423-11	CARBON 3.3K 10% 1/32W
R57	1-249-437-11	CARBON 47K 10% 1/32W
R58	1-249-437-11	CARBON 47K 10% 1/32W
R59	1-249-439-11	CARBON 68K 10% 1/32W
R60	1-249-439-11	CARBON 68K 10% 1/32W
R61	1-249-402-11	CARBON 56 5% 1/6W
R101	1-249-421-11	CARBON 2.2K 10% 1/32W
R102	1-249-408-11	CARBON 180 10% 1/32W
R103	1-249-435-11	CARBON 33K 10% 1/32W
R104	1-249-421-11	CARBON 2.2K 10% 1/32W
R105	1-249-406-11	CARBON 120 10% 1/32W
R106	1-249-425-11	CARBON 4.7K 10% 1/32W
R107	1-249-417-11	CARBON 1K 10% 1/32W
R108	1-249-417-11	CARBON 1K 10% 1/32W
R109	1-249-404-00	CARBON 82 10% 1/32W
R110	1-249-403-11	CARBON 68 5% 1/6W
R111	1-000-077-12	CARBON 15K 10% 1/32W
R112	1-000-071-12	CARBON 8.2K 10% 1/32W
R113	1-249-411-11	CARBON 330 10% 1/32W
R114	1-247-831-31	CARBON 1K 5% 1/6W
R201	1-249-421-11	CARBON 2.2K 10% 1/32W
R202	1-249-408-11	CARBON 180 10% 1/32W
R203	1-249-435-11	CARBON 33K 10% 1/32W
R204	1-249-421-11	CARBON 2.2K 10% 1/32W


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

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
R205	1-249-406-11	CARBON	120	10%	1/32W
R206	1-249-425-11	CARBON	4.7K	10%	1/32W
R207	1-249-417-11	CARBON	1K	10%	1/32W
R208	1-249-417-11	CARBON	1K	10%	1/32W
R209	1-249-404-00	CARBON	82	10%	1/32W
R210	1-249-403-11	CARBON	68	5%	1/6W
R211	1-000-077-12	CARBON	15K	10%	1/32W
R212	1-000-071-12	CARBON	8.2K	10%	1/32W
R213	1-249-411-11	CARBON	330	10%	1/32W
R214	1-247-831-31	CARBON	1K	5%	1/6W
R301	1-249-402-11	CARBON	56	5%	1/6W
R302	1-249-402-11	CARBON	56	5%	1/6W
R303	1-000-069-12	CARBON	6.8K	10%	1/32W
R304	1-249-417-11	CARBON	1K	10%	1/32W
R305	1-249-413-11	CARBON	470	10%	1/32W
R306	1-249-415-11	CARBON	680	5%	1/6W
R307	1-249-410-11	CARBON	270	10%	1/32W
R308	1-249-422-11	CARBON	2.7K	10%	1/32W
R309	1-249-429-11	CARBON	10K	10%	1/32W
R310	1-249-420-11	CARBON	1.8K	10%	1/32W
R311	1-247-823-00	CARBON	470	5%	1/6W
R312	1-247-807-31	CARBON	100	5%	1/6W
R313	1-249-395-11	CARBON	15	5%	1/6W
R314	1-249-395-11	CARBON	15	5%	1/6W
RV2	1-228-993-00	RES, ADJ, CARBON 5K			
RV301	1-237-567-11	RES, VAR			
RV302	1-230-454-11	RES, VAR, CARBON 20K/20K			
S1	1-554-885-11	SWITCH, LEVER SLIDE (BAND)			
S301	1-570-931-11	SWITCH, LEVER SLIDE (REC/PB)			
S302	1-570-616-21	SWITCH, LEVER SLIDE (FUNCTION)			
S303	1-554-495-00	SWITCH, LEAF (MD POWER SUPPLY)			
S801	1-552-921-00	SWITCH, POWER (VOLTAGE CHANGE)			
SP101	1-503-746-11	SPEAKER			
SP201	1-503-746-11	SPEAKER			

ELECTRICAL PARTS

Ref.No.	Part No.	Description
T1	1-403-872-00	I.F.T CONVERTER FM (SMALL TYPE)
T2	1-404-249-00	COIL, FM DETECTOR
T3	1-404-355-00	TRANSFORMER, IF
T801	1-448-765-11	TRANSFORMER, POWER
ACCESSORY & PACKING MATERIAL		
	<u>Part No.</u>	<u>Description</u>
	1-506-409-00	(Saudi Arabia)...ADAPTOR, CONVERSION
	1-555-074-00	(AUS).....CORD, POWER
	1-555-360-31	(Saudi Arabia)...CORD, POWER
	1-559-050-11	(E).....CORD, POWER
	*3-328-915-01	(AUS,Saudi Arabia)...LABEL
	3-338-536-01	CUSHION
	3-338-540-01	INDIVIDUAL CARTON
	3-338-541-01	SHEET, PROTECTION
	3-701-626-00	BAG, POLYETHYLENE
	3-703-895-01	LABEL, COLOR
	3-765-875-11	(AUS,Saudi Arabia)...MANUAL, INSTRUCTION
	3-765-875-51	(E).....MANUAL, INSTRUCTION

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

CFS-210S

SONY SERVICE MANUAL

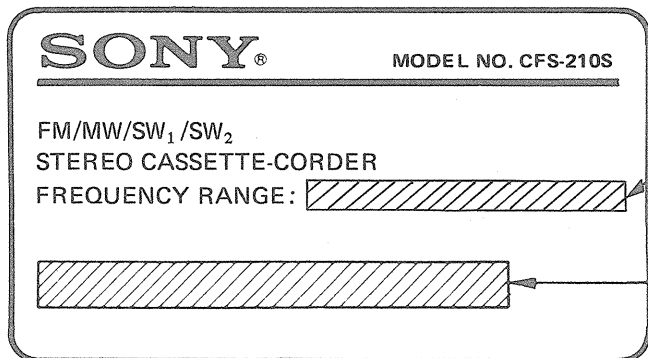
*E Model
Australian Model*

SUPPLEMENT-1

File this supplement with the Service Manual

In the CFS-210S, the DC bias circuit in the audio block was converted to an AC bias circuit. For sets with the AC bias circuit, use this supplement.

— MODEL IDENTIFICATION —
(Specification Label)



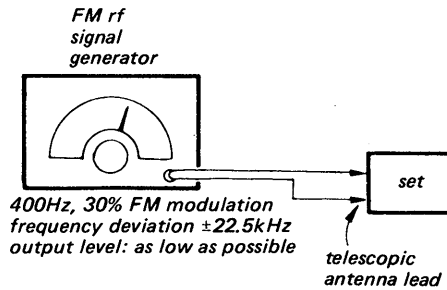
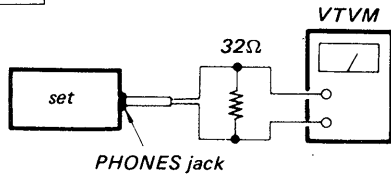
E, AUSTRALIAN model: FM87.6—108MHz
SAUDI ARABIA model: FM87.6—107MHz

E, AUSTRALIAN model: 110-120/220-240V~50/60Hz 12W
SAUDI ARABIA model: 110-120/220-240V~60Hz 12W

SECTION 1 ADJUSTMENTS

1-3. RADIO SECTION ELECTRICAL ADJUSTMENTS

FM SECTION



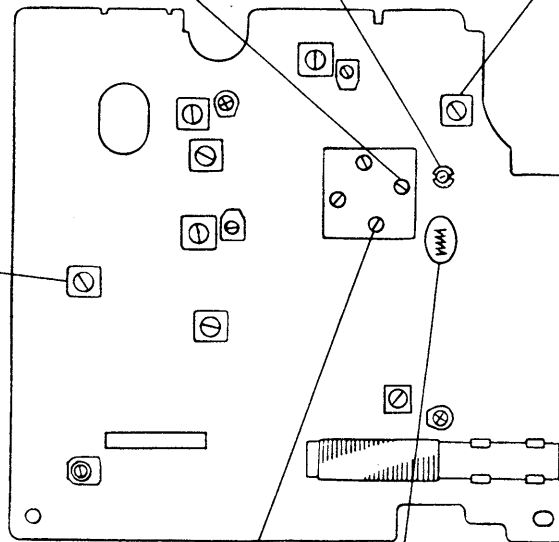
- Repeat the procedures in each adjustment several times, and the frequency coverage and tracking adjustments should be finally done by the trimmer capacitors.

(): SAUDI ARABIA model

FM FREQUENCY COVERAGE ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
109.5 MHz (107.8 MHz)	86.5 MHz (87.35 MHz)
CT2	L2

FM IF ADJUSTMENT (1)
Adjust for a maximum reading on VTVM.
10.7 MHz
T1

FM IF ADJUSTMENT (2)
Minimum distortion
10.7 MHz
T2



CT1	L1
109.5 MHz (107.8 MHz)	86.5 MHz (87.35 MHz)
Adjust for a maximum reading on VTVM.	
FM TRACKING ADJUSTMENT	

- FM tracking adjustment should be made after FM IF alignment.

(): SAUDI ARABIA model

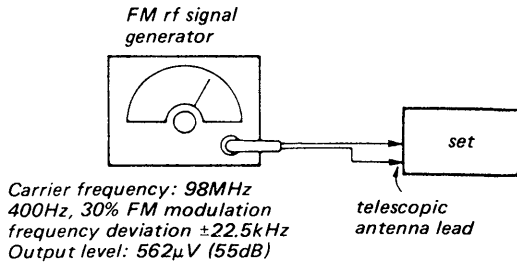
VCO Adjustment

Setting:

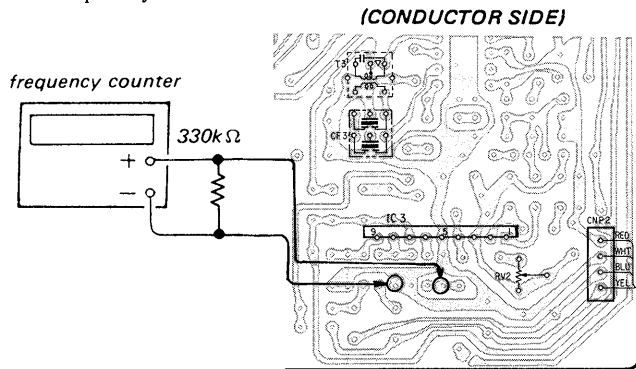
FM MONO/ST switch: FM ST

A) Regular Method

Procedure:



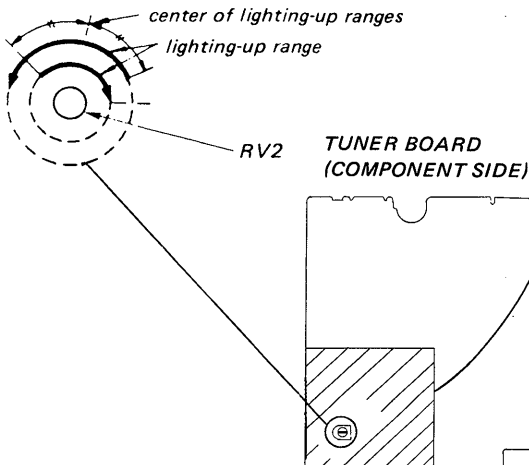
1. Connect frequency counter to it as shown below.
2. Tune the set to 98MHz.
3. Adjust RV2 for 38kHz ± 0.1 kHz reading on the frequency counter.



B) Simple Method

Procedure:

1. Tune the set to the FM stereo broadcasting signal.
2. Turn RV2 clockwise or counterclockwise and memorize the lighting-up range of the FM STEREO lamp.
3. Secure RV2 at the center of the lighting-up range of both turns as shown below.



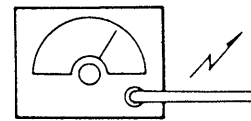
MW/SW SECTION

MW

Setting:

FUNCTION switch: RADIO
BAND switch: MW

AM rf signal generator



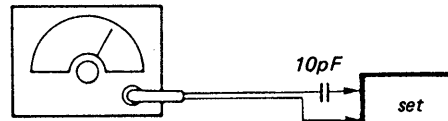
30% amplitude modulation by 400Hz signal

SW

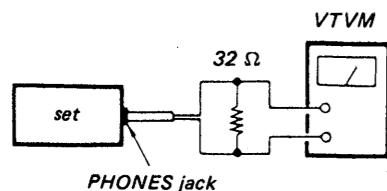
Setting:

FUNCTION switch: RADIO
BAND switch: SW₁/SW₂

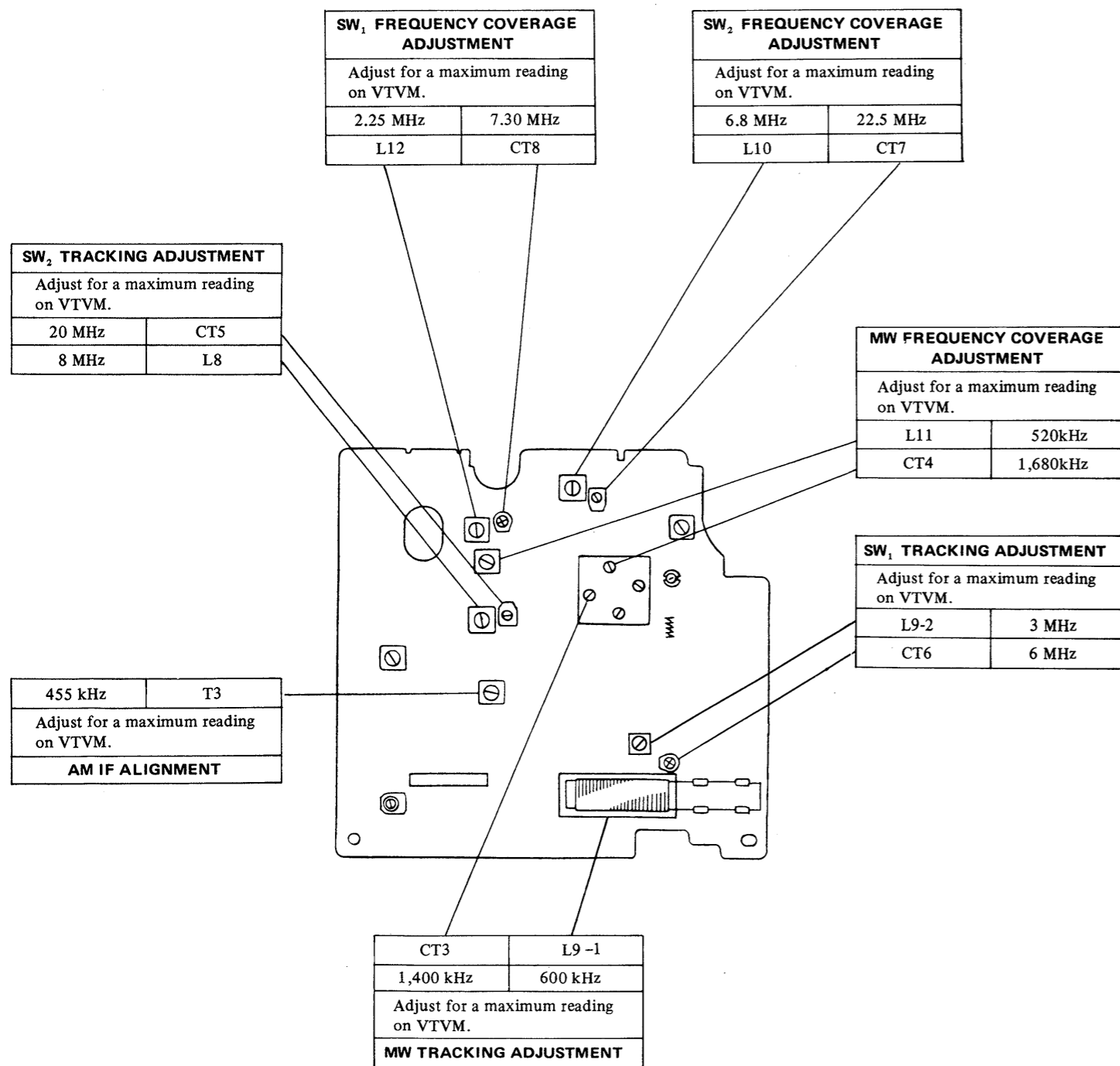
AM rf signal generator



30% amplitude modulation by 400Hz signal



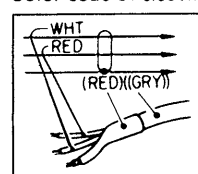
- Repeat the procedure in each adjustment several times, and the frequency coverage and tacking adjustments should be finally done by the trimmer capacitors.
- Set the FINE TUNING knob in the center position for the SW adjustments.



SECTION 2
DIAGRAMS

2-1. MOUNTING DIAGRAM

Note:
• Color code of sleeving over the end of the jacket.



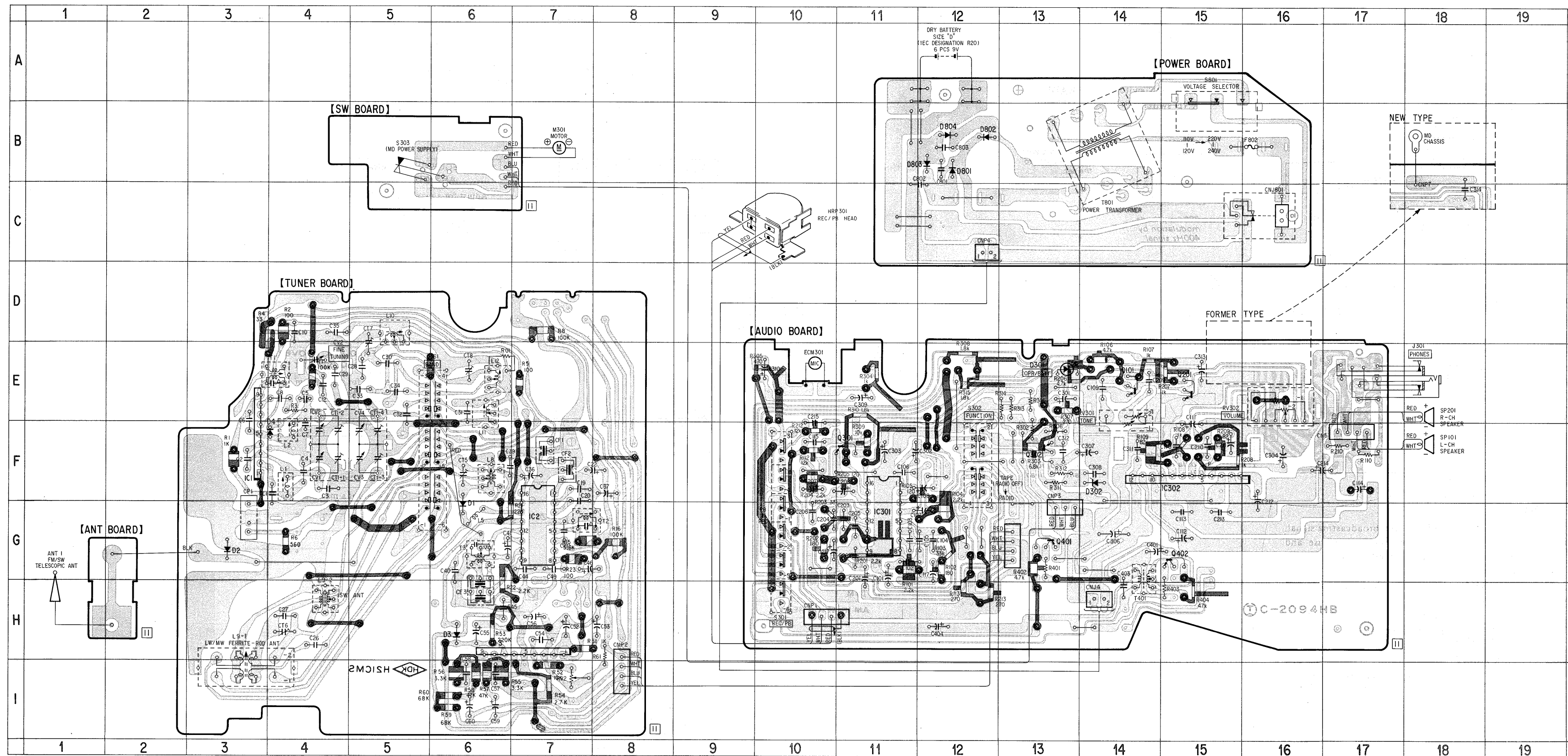
• indicates side identified with part number.
• printed resistor

Semiconductors Lead Layout

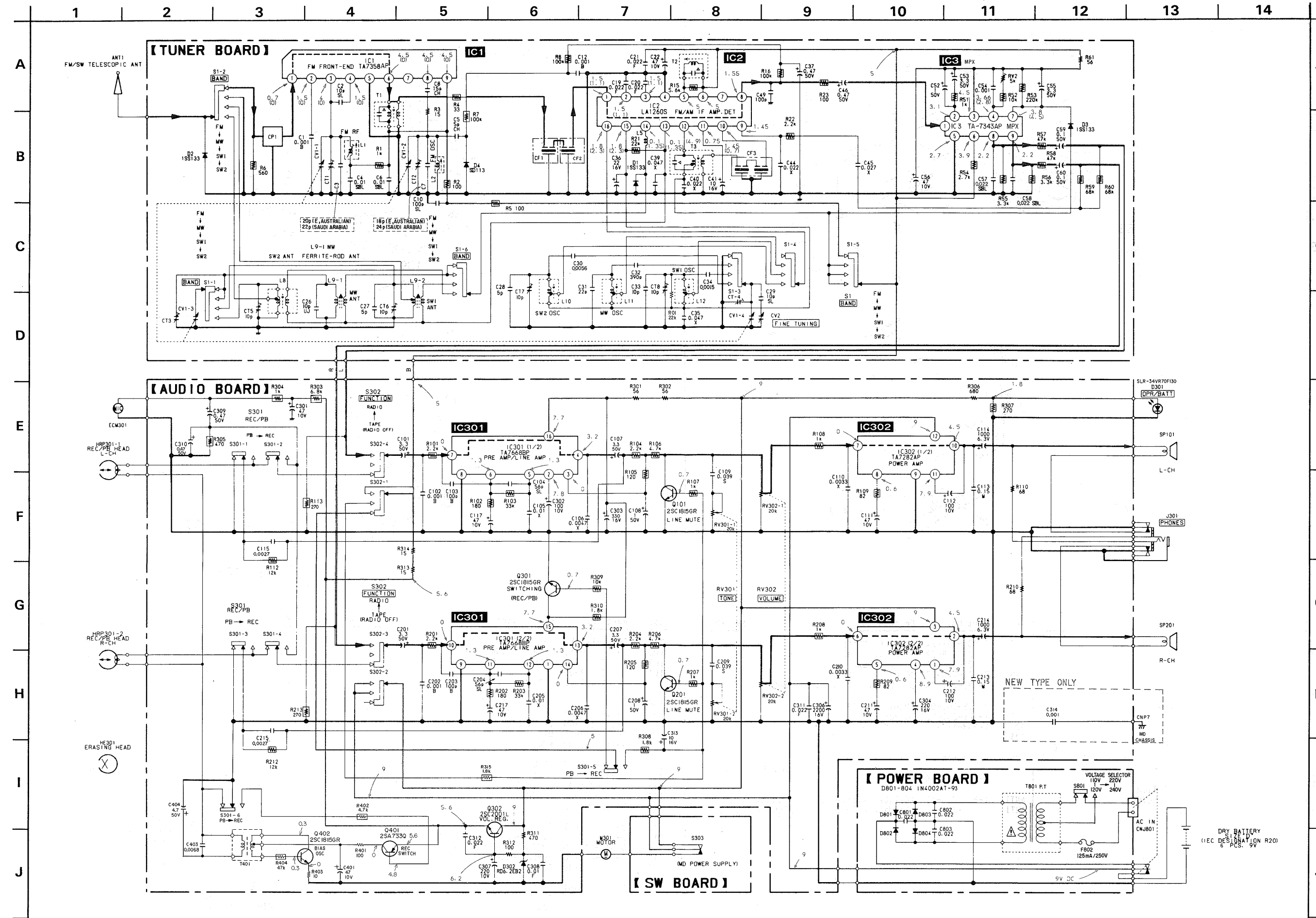
<p>TA7282AP</p>	<p>2SC1815GR 2SC2001-L</p>
<p>TA7343AP TA7358AP</p>	<p>1S5133</p>
<p>LA1260S TA7668BP</p>	<p>RD6.2E-B2 1S2687CS 10E2</p>
<p>2SA1115P</p>	<p>SLR-34VR70F130</p>

SEMICONDUCTOR LOCATION

Ref. No.	Location
IC1	F-3
IC2	G-7
IC3	H-7
IC301	G-11
IC302	F-15
Q101	E-14
Q201	E-15
Q301	F-11
Q302	F-13
Q401	G-13
Q402	G-15
D1	G-6
D2	G-6
D3	F-6
D4	F-4
D301	F-13
D302	F-14
D801	B-12
D802	B-12
D803	B-12
D804	B-12



2-2. SCHEMATIC DIAGRAM



Note:

- All capacitors are in μF unless otherwise noted. $\text{pF} = \mu\mu\text{F}$. 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $\frac{1}{4}\text{W}$ or less unless otherwise specified.

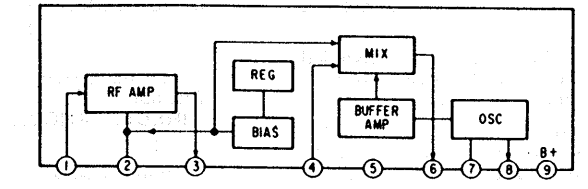
Note: The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

- Δ : internal component.
- \square : nonflammable resistor.
- --- : printed resistor
- Switch

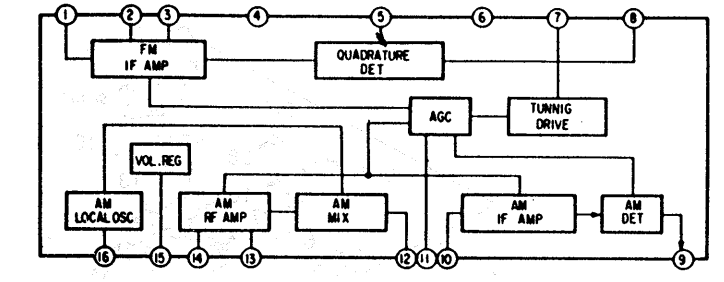
Ref. No.	Switch	Position
S1	BAND	F
S2	STEREO/MONO	M
S301	REC/PB	P
S302	FUNCTION	F
S303	MD POWER	O

- --- : B+ bus.
- \square : adjustment for repair.
- Voltages are dc with respect to ground unless otherwise noted.
- Readings are taken under no-signal (detuned) conditions with a VOM (50 $\text{k}\Omega/\text{V}$).
- () : AM
- no mark: FM
- Voltage variations may be noted due to normal production tolerances.
- --- : signal path

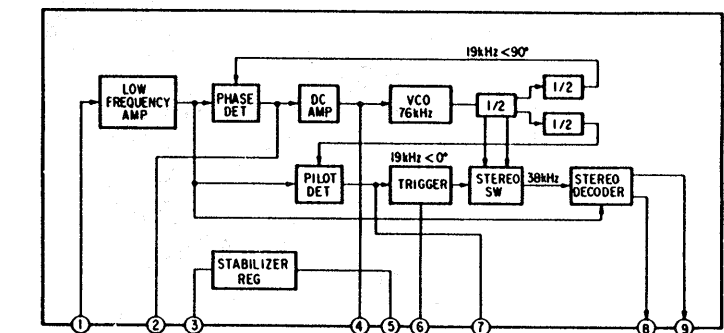
TA7358AP



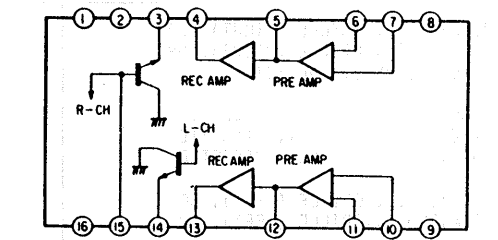
LA1260S



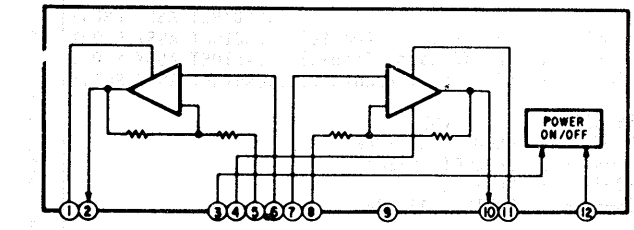
TA7343AP



TA7668BP



TA7282AP



SECTION 3 EXPLODED VIEWS AND PARTS LIST

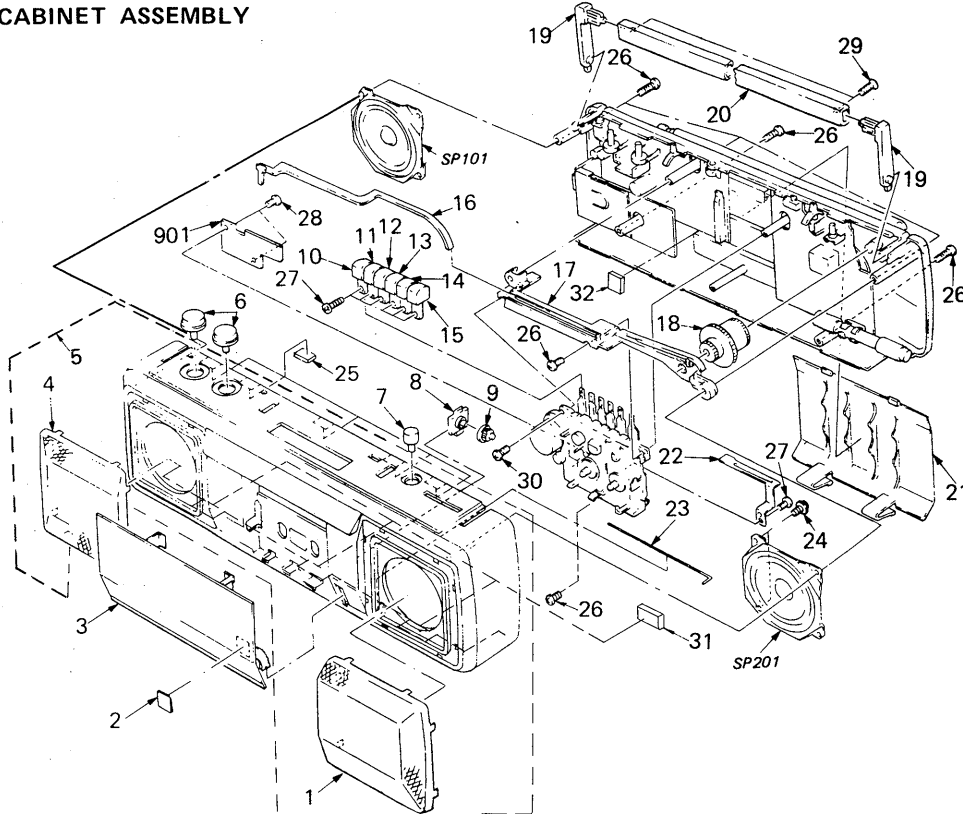
NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- Due to standardization, parts with part number suffix -XX and -X may be different from the parts specified in the components used on the set.
- Color Indication of Appearance Parts
Example:
(RED) ... KNOB, BALANCE (WHITE)
↑ ↑
Cabinet's Color Parts' Color

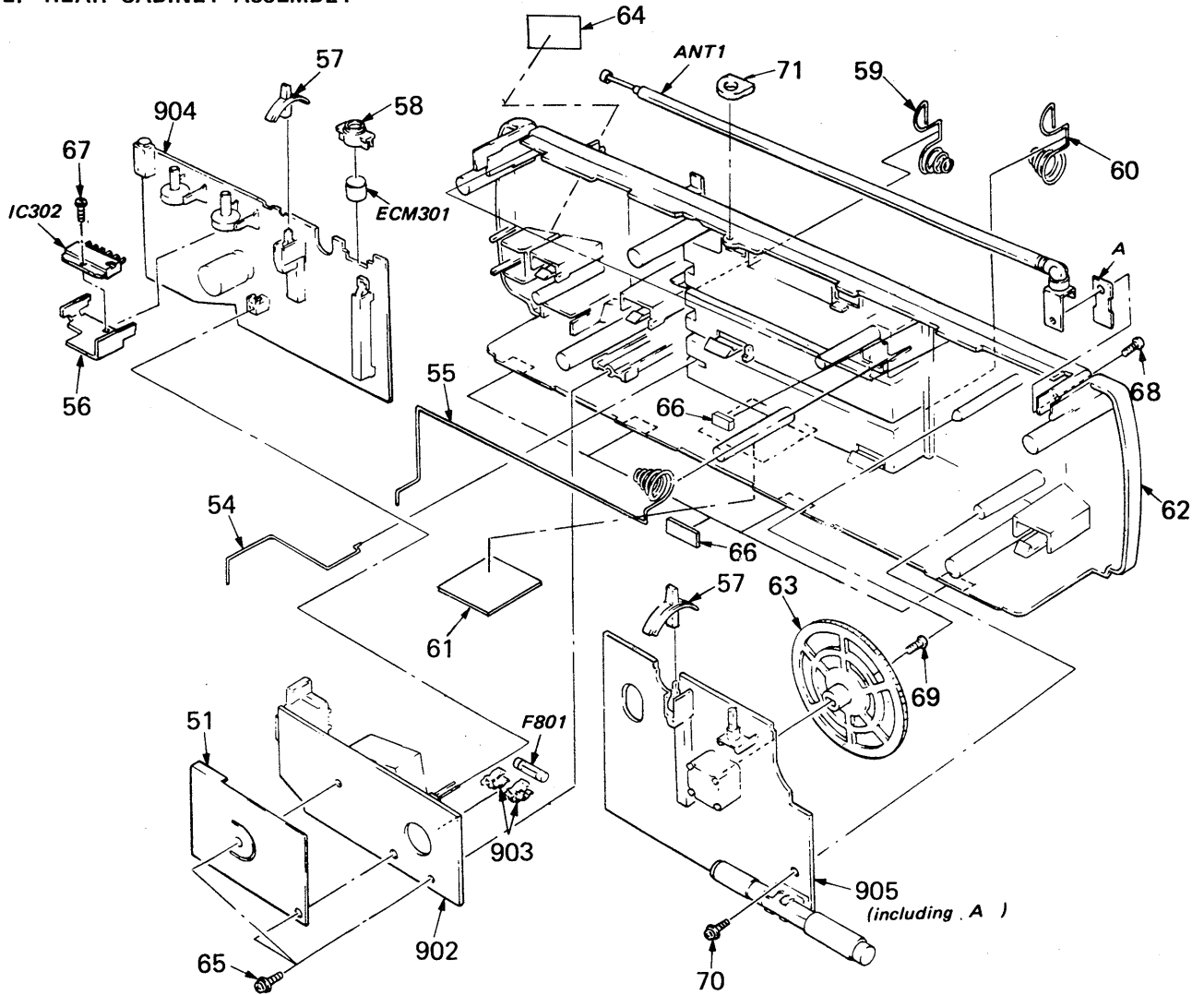
The components identified by shading and mark are critical for safety. Replace only with part number specified.

3-1. FRONT CABINET ASSEMBLY



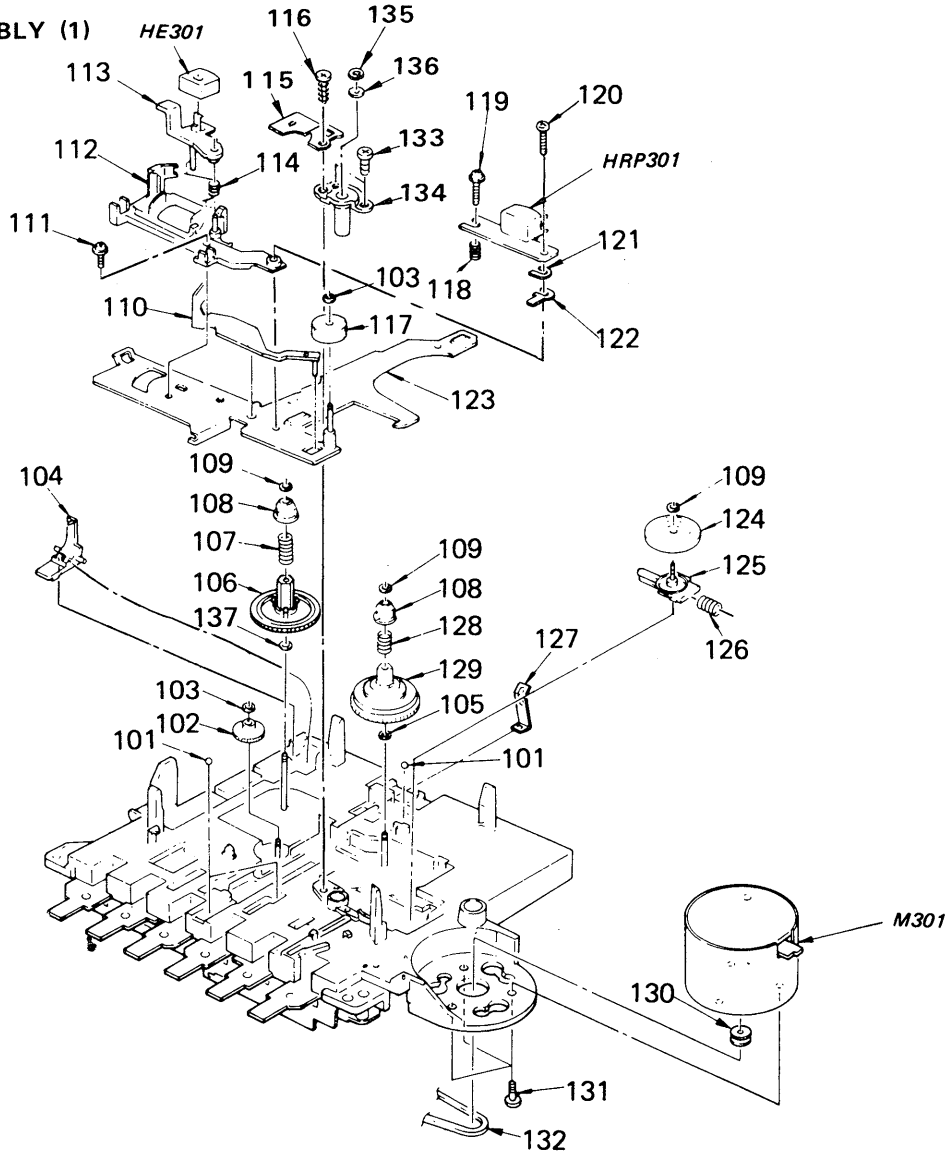
No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
1	3-338-526-01	(WHITE).....GRILLE (RIGHT), SP		16	3-338-530-01	RACK, POINTER	
	3-338-526-11	(BLACK,RED)...GRILLE (RIGHT), SP		17	3-338-531-01	CHASSIS	
2	3-703-707-01	STICKER, SONY SYMBOL '21)		18	3-338-521-01	KNOB, TUNING	
3	X-3338-509-1	(BLACK)...HOLDER ASSY, CASSETTE		19	3-338-524-01	PLATE, SIDE, HANDLE	
	X-3338-510-1	(WHITE)...HOLDER ASSY, CASSETTE		20	3-338-525-21	(BLACK)...HANDLE	
	X-3338-528-1	(RED)....HOLDER ASSY, CASSETTE			3-338-525-41	(WHITE)...HANDLE	
					3-338-525-51	(RED)....HANDLE	
4	3-338-527-01	(WHITE).....GRILLE (LEFT), SP		21	3-338-532-01	(WHITE)...LID, BATTERY CASE	
	3-338-527-11	(BLACK,RED)...GRILLE (LEFT), SP			3-338-532-11	(RED).....LID, BATTERY CASE	
5	X-3338-520-1	(BLACK:E12,E23,Australian)			3-338-532-21	(BLACK)...LID, BATTERY CASE	
		...CABINET ASSY FRONT		22	3-338-506-01	SPRING	
	X-3338-521-1	(WHITE:E12,E23,Australian)		23	3-338-508-01	SPRING	
		...CABINET ASSY FRONT		24	7-685-647-79	SCREW, TAPPING	
	X-3338-529-1	(RED:E12,E23,Australian)		25	3-338-572-01	CUSHION (WHITE)	
		...CABINET ASSY FRONT			3-831-441-XX	CUSHION (BLACK)	
	X-3338-526-1	(BLACK:Saudi Arabia)....CABINET ASSY FRONT		26	7-685-648-79	SCREW +BVTP 3X12 TYPE2 N-S	
	X-3338-527-1	(WHITE:Saudi Arabia)...CABINET ASSY FRONT		27	7-621-773-86	SCREW +BVTT 2.6X4 (S)	
	X-3338-530-1	(RED:Saudi Arabia)....CABINET ASSY FRONT		28	7-687-234-11	SCREW, TOTSU PTPWH 2.6X8, TYPE2	
6	3-338-522-01	KNOB, VOL		29	7-685-247-19	SCREW +KTP 3X10 TYPE2 SLIT	
7	3-338-501-01	KNOB, FINE TUNE		30	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S	
8	*3-338-507-01	BRACKET, EJECT		31	3-338-571-01	CUSHION (BLACK)	
9	3-319-592-01	GEAR, SE			3-338-571-11	CUSHION (WHITE)	
10	3-338-519-01	BUTTON (A), PAUSE		901	*1-621-300-11	PC BOARD, SWITCH	
11	3-338-516-01	BUTTON (A), FF		SP101	1-503-492-11	SPEAKER	
12	3-338-517-01	BUTTON (A), REW		SP201	1-503-492-11	SPEAKER	
13	3-338-518-01	BUTTON (A), PLAY					
14	3-338-515-01	BUTTON (A), REC					
15	3-338-514-01	BUTTON (A), STOP					

3-2. REAR CABINET ASSEMBLY



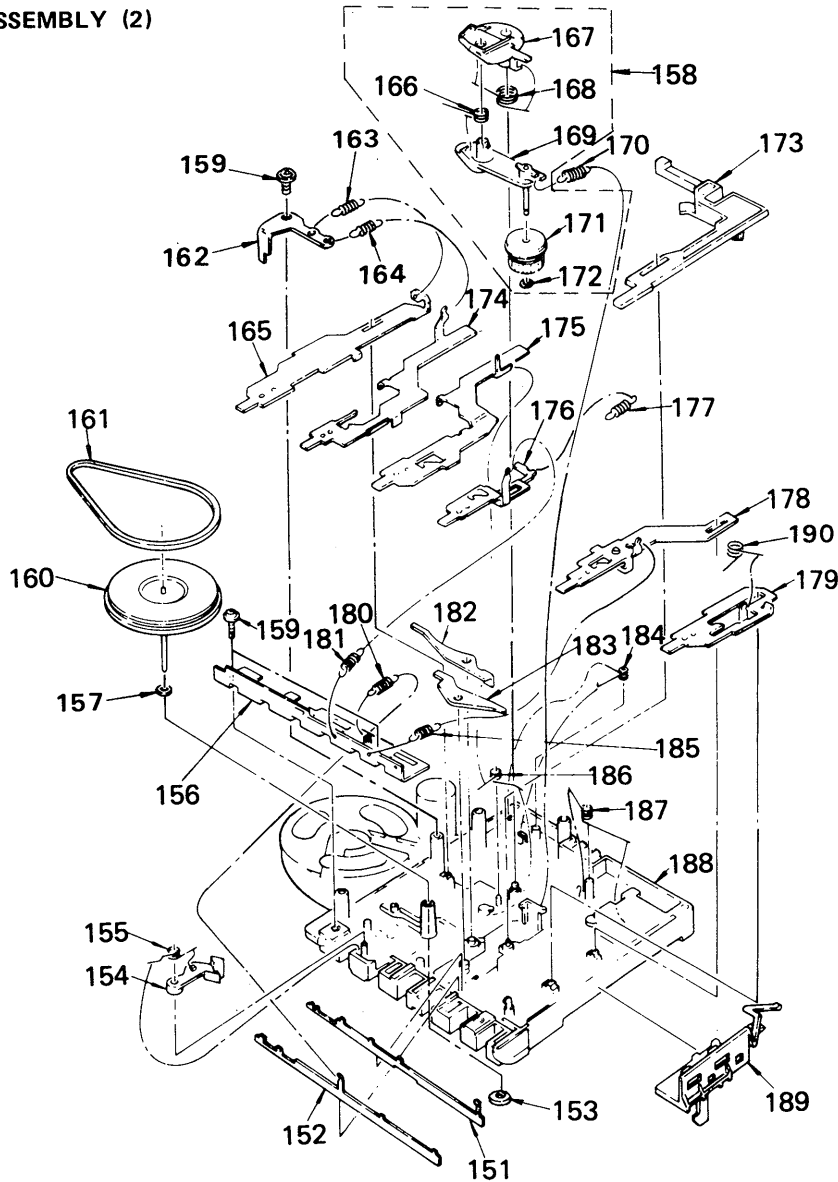
No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
51	*3-338-503-01	COVER, POWER		66	3-831-441-XX	CUSHION (BLACK)	
54	3-338-509-01	TERMINAL, PLUS		67	7-685-645-79	SCREW +BVTP 3X6 TYPE2 SLIT	
55	3-338-512-01	TERMINAL, MINUS		68	7-682-548-04	SCREW +P 3X8	
56	*3-338-504-01	HEAT SINK		69	7-621-770-67	SCREW +P 2.6X6	
57	3-338-520-01	KNOB, FUNCTION		70	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S	
58	3-321-122-01	CUSHION, MICROPHONE		71	3-338-562-01	CUSHION (MICROPHONE)	
59	3-338-510-01	SPRING (A)		902	*1-621-301-11	PC BOARD, POWER	
60	3-338-511-01	SPRING (B)		903	1-533-183-11	HOLDER, FUSE	
61	*3-338-550-01	(Saudi Arabia)..LABEL, MODEL NUMBER (EA)		904	*A-3270-459-A	PC BOARD ASSY, AUDIO	
	*3-338-551-01	(Austrolian)....LABEL, MODEL NUMBER (AUS)		905	*A-3266-354-A	(E12,E23,Australian)	
62	3-338-534-81	CABINET (REAR)			*A-3266-387-A	(Saudi Arabia).....PC BOARD ASSY, TUNER	
63	3-338-505-01	DRUM, TUNING CAPACITOR		ANT1	1-501-375-11	(E12,E23,Australian)..ANTENNA, TELESCOPIC	
64	*4-908-749-01	LABEL, VOLTAGE SELECTOR		ANT1	1-501-262-00	(Saudi Arabia).....ANTENNA, TELESCOPIC	
65	7-685-647-79	SCREW, TAPPING					

3-3. MD ASSEMBLY (1)



No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
101	7-671-112-11	BALL, STEEL		122	3-331-108-01	LUG (T), SEAM	
102	3-558-620-11	GEAR, REWIND			3-331-108-11	LUG (T), SEAM	
103	3-307-948-01	WASHER, NYLON			3-331-108-21	LUG (T), SEAM	
104	3-313-357-00	CLAW, REC PREVENTION			3-331-108-31	LUG (T), SEAM	
105	3-701-437-21	WASHER			3-331-108-41	LUG (T), SEAM	
106	3-313-305-00	TABLE, REEL, SUPPLY		123	X-3313-311-1	CHASSIS ASSY	
107	3-313-344-00	SPRING, COMPRESSION		124	X-3313-307-0	PULLEY ASSY, FWD	
108	3-313-333-00	CLAW, REEL		125	X-3313-301-0	BRACKET ASSY, T PULLEY	
109	3-558-708-01	WASHER, STOPPER		126	3-573-464-00	SPRING, COMPRESSION	
110	3-313-316-00	PULLEY		127	3-313-902-11	SPRING	
111	7-621-255-35	SCREW (2MMX5), + PWH		128	3-313-345-00	SPRING, COMPRESSION	
112	3-334-717-01	BRACKET (M), HEAD		129	A-3130-031-B	TABLE ASSY, REEL TAKE-UP	
113	3-313-361-00	ARM, ERASE HEAD		130	X-3313-308-1	PULLEY ASSY, MOTOR	
114	3-313-339-00	SPRING		131	7-621-259-35	SCREW +P 2.6X5	
115	*3-332-309-01	SPRING (B)		132	3-313-335-00	BELT, CAPSTAN	
116	3-324-220-01	SCREW (B2.6), TAPPING		133	3-318-203-71	SCREW (B1.7X5), TAPPING	
117	3-703-597-41	PINCH ROLLER, STANDARD		134	X-3319-945-1	BEARING ASSY, CAPSTAN	
118	3-313-340-00	SPRING, COMPRESSION		135	3-307-948-41	WASHER, NYLON	
119	3-701-465-00	SCREW, LOCK		136	3-701-438-11	WASHER, 2.5	
120	7-621-772-40	SCREW +B 2X8		137	3-322-659-01	WASHER (A)	
121	3-578-138-01	SEAM		HE301	8-658-096-02	HEAD, ERASE EBF5-36	
	3-578-138-11	SEAM		HRP301	1-543-340-21	HEAD, MAGNETIC (REC/PB)	
	3-578-138-21	SEAM		M301	1-541-231-00	MOTOR	

3-4. MD ASSEMBLY (2)



No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
151	*3-313-352-12	PLATE (B), LOCK		171	X-3313-312-1	IDLER ASSY, FR	
152	*3-313-351-15	PLATE (A), LOCK		172	3-558-708-01	WASHER, STOPPER	
153	3-701-438-01	WASHER		173	3-313-356-00	BRAKE	
154	3-313-322-02	LEVER (A), S.OFF		174	*3-313-353-00	LEVER, FF BUTTON	
155	3-313-323-00	SPRING		175	*3-313-354-00	LEVER, REW BUTTON	
156	*3-313-359-00	RETAINER, LEVER		176	*3-313-326-00	LEVER, FWD BUTTON	
157	3-701-438-11	WASHER, 2.5		177	3-341-181-01	SPRING, TENSION	
158	A-3136-041-B	IDLER ASSY, FR		178	*3-313-350-00	LEVER, REC BUTTON	
159	7-687-233-11	SCREW (+ PTPWH) (2.6X6)		179	*3-313-325-00	LEVER, STOP BUTTON	
160	X-3327-909-2	FLYWHEEL (G) ASSY		180	3-313-343-00	SPRING, TENSION	
161	3-313-335-00	BELT, CAPSTAN		181	3-313-369-00	SPRING, TENSION	
162	*3-332-310-01	HOOK, SPRING		182	*3-313-320-00	LEVER, RCP	
163	3-313-349-00	SPRING, TENSION		183	*3-313-321-00	LEVER, PREVENTION, RFR	
164	3-313-348-00	SPRING, TENSION		184	3-313-378-01	SPRING (A)	
165	*3-313-381-01	LEVER (B), PAUSE BUTTON		185	3-322-529-01	SPRING, TENSION	
166	3-313-313-00	SPRING		186	3-313-338-00	SPRING	
167	3-313-314-00	LEVER (SI), FR		187	3-313-327-00	SPRING	
168	3-313-315-00	SPRING		188	A-3102-092-A	CHASSIS ASSY, MECHANICAL	
169	X-3313-304-0	ARM ASSY, REW		189	3-313-380-01	CLAW (A), EJECT	
170	3-313-365-00	SPRING, TENSION		190	3-313-331-00	SPRING	

SECTION 4 ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:MF: μF , PF: μF .**RESISTORS**

- All resistors are in ohms.
- F: nonflammable

COILS

- MMH: mH, UH: μH

SEMICONDUCTORSIn each case, U: μ , for example:UA...: μA ..., UPA...: μPA ...,UPC...: μPC , UPD...: μPD ...

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

Ref.No.	Part No.	Description							
901	*1-621-300-11	PC BOARD, SWITCH							
902	*1-621-301-11	PC BOARD, POWER							
903	1-533-183-11	HOLDER, FUSE							
904	*A-3270-459-A	PC BOARD ASSY, AUDIO							
905	*A-3266-354-A	(E12,E23,Australian)							
		...PC BOARD ASSY, TUNER							
	*A-3266-387-A	(Saudi Arabia)...PC BOARD ASSY, TUNER							
ANT1	1-501-375-11	(E12,E23,Australian)							
		...ANTENNA, TELESCOPIC							
ANT1	1-501-262-00	(Saudi Arabia)...ANTENNA, TELESCOPIC							
C1	1-102-074-00	CERAMIC	0.001MF	10%	50V				
C2	1-102-947-00	CERAMIC	10PF	0.5PF	50V				
C3	1-101-974-00	(E,Australian)							
		...CERAMIC	20PF	5%	50V				
C3	1-102-959-00	(Saudi Arabia)							
		...CERAMIC	22PF	5%	50V				
C4	1-161-051-00	CERAMIC	0.01MF	10%	25V				
C5	1-102-942-00	CERAMIC	5PF	0.5PF	50V				
C6	1-161-051-00	CERAMIC	0.01MF	10%	25V				
C7	1-102-953-00	(E,Australian)							
		...CERAMIC	18PF	5%	50V				
C7	1-102-960-00	(Saudi Arabia)							
		...CERAMIC	24PF	5%	50V				
C8	1-102-851-00	CERAMIC	15PF	5%	50V				
C10	1-102-973-00	CERAMIC	100PF	5%	50V				
C12	1-102-074-00	CERAMIC	0.001MF	10%	50V				
C19	1-101-005-00	CERAMIC	0.022MF		50V				
C20	1-101-005-00	CERAMIC	0.022MF		50V				
C21	1-101-005-00	CERAMIC	0.022MF		50V				
C22	1-123-306-00	ELECT	47MF	20%	10V				
C26	1-102-947-00	CERAMIC	10PF	0.5PF	50V				
C27	1-102-942-00	CERAMIC	5PF	0.5PF	50V				
C28	1-102-998-00	CERAMIC	5PF	0.5PF	50V				
C29	1-102-947-00	CERAMIC	10PF	0.5PF	50V				
C30	1-104-095-00	POLYSTYRENE	0.0056MF	5%	50V				
C31	1-102-959-00	CERAMIC	22PF	5%	50V				
C32	1-104-067-00	POLYSTYRENE	390PF	5%	50V				
C33	1-102-947-00	CERAMIC	10PF	0.5PF	50V				
C34	1-104-228-00	POLYSTYRENE	0.0015MF	5%	50V				
C35	1-161-021-11	CERAMIC	0.047MF	10%	25V				
C36	1-123-330-00	ELECT	22MF	20%	16V				
C37	1-123-379-00	ELECT	0.47MF	20%	50V				
C39	1-161-021-11	CERAMIC	0.047MF	10%	25V				
C40	1-161-055-00	CERAMIC	0.022MF	10%	25V				
C41	1-123-356-00	ELECT	10MF	20%	16V				
C44	1-161-055-00	CERAMIC	0.022MF	10%	25V				
C45	1-161-056-00	CERAMIC	0.027MF	10%	25V				
C46	1-123-379-00	ELECT	0.47MF	20%	50V				
C49	1-102-973-00	CERAMIC	100PF	5%	50V				
C52	1-123-380-00	ELECT	1MF	20%	50V				
C53	1-123-382-00	ELECT	3.3MF	20%	50V				
C54	1-104-077-00	POLYSTYRENE	0.001MF	5%	50V				
C55	1-123-382-00	ELECT	3.3MF	20%	50V				
C56	1-123-306-00	ELECT	47MF	20%	10V				
C57	1-161-055-00	CERAMIC	0.022MF	10%	25V				
C58	1-161-055-00	CERAMIC	0.022MF	10%	25V				
C59	1-124-463-00	ELECT	0.1MF	20%	50V				
C60	1-124-463-00	ELECT	0.1MF	20%	50V				
C101	1-123-382-00	ELECT	3.3MF	20%	50V				
C102	1-102-074-00	CERAMIC	0.001MF	10%	50V				
C103	1-102-106-00	CERAMIC	100PF	10%	50V				
C104	1-101-884-00	CERAMIC	56PF	5%	50V				
C105	1-161-051-00	CERAMIC	0.01MF	10%	25V				
C106	1-161-047-00	CERAMIC	0.0047MF	10%	25V				
C107	1-123-382-00	ELECT	3.3MF	20%	50V				
C108	1-123-380-00	ELECT	1MF	20%	50V				
C109	1-161-020-11	CERAMIC	0.039MF	10%	25V				
C110	1-161-045-00	CERAMIC	0.0033MF	10%	25V				
C111	1-123-306-00	ELECT	47MF	20%	10V				
C112	1-126-101-11	ELECT	100MF	20%	10V				
C113	1-130-497-00	MYLAR	0.15MF	5%	50V				
C114	1-123-299-00	ELECT	1000MF	20%	6.3V				
C115	1-102-122-00	CERAMIC	0.0027MF	10%	50V				
C117	1-123-306-00	ELECT	47MF	20%	10V				
C201	1-123-382-00	ELECT	3.3MF	20%	50V				
C202	1-102-074-00	CERAMIC	0.001MF	10%	50V				
C203	1-102-106-00	CERAMIC	100PF	10%	50V				
C204	1-101-884-00	CERAMIC	56PF	5%	50V				
C205	1-161-051-00	CERAMIC	0.01MF	10%	25V				
C206	1-161-047-00	CERAMIC	0.0047MF	10%	25V				
C207	1-123-382-00	ELECT	3.3MF	20%	50V				
C208	1-123-380-00	ELECT	1MF	20%	50V				
C209	1-161-020-11	CERAMIC	0.039MF	10%	25V				
C210	1-161-045-00	CERAMIC	0.0033MF	10%	25V				
C211	1-123-306-00	ELECT	47MF	20%	10V				
C212	1-126-101-11	ELECT	100MF	20%	10V				
C213	1-130-497-00	MYLAR	0.15MF	5%	50V				
C214	1-123-299-00	ELECT	1000MF	20%	6.3V				
C215	1-102-122-00	CERAMIC	0.0027MF	10%	50V				
C217	1-123-306-00	ELECT	47MF	20%	10V				
C301	1-123-306-00	ELECT	47MF	20%	10V				
C302	1-126-101-11	ELECT	100MF	20%	10V				
C303	1-123-322-00	ELECT	330MF	20%	16V				

Ref.No.	Part No.	Description
ECM301	8-814-186-00	MICROPHONE, ELECTRET CONDENSER
F802	A 1-532-611-00	FUSE, TIME-LAG (T125mA/250V)
HE301	8-658-096-02	HEAD, ERASE EBF5-36
HRP301	1-543-340-21	HEAD, MAGNETIC (REC/PB)
IC1	8-759-204-03	IC TA7358AP
IC2	8-759-801-24	IC LA1260S
IC3	8-759-203-87	IC TA7343AP
IC301	8-759-205-91	IC TA7668BP
IC302	8-759-205-82	IC TA7282AP
J301	1-566-891-11	JACK (PHONES)
L1	1-422-317-21	COIL, VHF
L2	1-459-694-11	COIL (WITH CORE)
L5	*1-409-293-00	COIL, AIR CORE
L8	1-402-249-11	COIL, SW2 ANT
L9-1	1-402-248-11	ANTENNA, FERRITE-ROD (MW)
L9-2	1-402-251-11	COIL, ANT (SW1)
L10	1-406-221-11	COIL, SW2 OSC
L11	1-406-059-00	COIL, OSC (MW)
L12	1-406-220-11	COIL, OSC (SW1)
M301	1-541-231-00	MOTOR
Q101	8-729-281-53	TRANSISTOR 2SC1815GR
Q201	8-729-281-53	TRANSISTOR 2SC1815GR
Q301	8-729-281-53	TRANSISTOR 2SC1815GR
Q302	8-729-100-12	TRANSISTOR 2SC2001-L
Q401	8-729-600-60	TRANSISTOR 2SA1115P
Q402	8-729-281-53	TRANSISTOR 2SC1815GR
R01	1-247-863-31	CARBON 2.2K 10% 1/32W
R1	1-249-417-11	CARBON 1K 10% 1/32W
R2	1-249-405-11	CARBON 100 10% 1/32W
R3	1-249-395-11	CARBON 15 5% 1/4W
R4	1-249-399-11	CARBON 33 10% 1/32W
R5	1-249-405-11	CARBON 100 10% 1/32W
R6	1-249-414-00	CARBON 560 10% 1/32W
R7	1-249-441-11	CARBON 100K 10% 1/32W
R8	1-249-441-11	CARBON 100K 10% 1/32W
R15	1-249-426-11	CARBON 5.6K 10% 1/32W
R16	1-249-441-11	CARBON 100K 10% 1/32W
R21	1-249-433-11	CARBON 22K 10% 1/32W
R22	1-249-421-11	CARBON 2.2K 10% 1/32W
R23	1-249-405-11	CARBON 100 10% 1/32W
R51	1-249-417-11	CARBON 1K 10% 1/32W

Ref.No.	Part No.	Description
C304	1-123-321-00	ELECT 220MF 20% 16V
C306	1-126-234-11	ELECT 2200MF 20% 16V
C307	1-124-124-00	ELECT 220MF 20% 10V
C308	1-101-004-00	CERAMIC 0.01MF 50V
C309	1-123-379-00	ELECT 0.47MF 20% 50V
C310	1-123-379-00	ELECT 0.47MF 20% 50V
C311	1-101-005-00	CERAMIC 0.022MF 50V
C312	1-101-005-00	CERAMIC 0.022MF 50V
C313	1-123-356-00	ELECT 10MF 20% 16V
C314	1-102-074-00	CERAMIC 0.001MF 10% 50V
C401	1-123-306-00	ELECT 47MF 20% 10V
C403	1-130-481-00	MYLAR 0.0068MF 5% 50V
C404	1-123-369-00	ELECT 4.7MF 20% 50V
C801	1-101-005-00	CERAMIC 0.022MF 50V
C802	1-101-005-00	CERAMIC 0.022MF 50V
C803	1-101-005-00	CERAMIC 0.022MF 50V
CF1	1-567-802-71	FILTER, CERAMIC
CF2	1-567-802-71	FILTER, CERAMIC
CF3	1-527-865-00	FILTER, CERAMIC
CNJ4	*1-563-307-11	CONNECTOR (SOCKET) 2P
CNJ801	A 1-526-838-11	INLET, AC 2P
CNP1	*1-564-778-11	PLUG, CONNECTOR (2.5MM) 4P
CNP2	*1-564-778-11	PLUG, CONNECTOR (2.5MM) 4P
CNP3	*1-506-707-11	PLUG, CONNECTOR (2.5MM) 3P
CNP4	*1-560-530-00	PIN, CONNECTOR 2P
CNP5	*1-564-778-11	PLUG, CONNECTOR (2.5MM) 4P
CNP7	*1-564-187-00	PIN, CONNECTOR
CP1	1-235-911-11	FILTER, BAND PASS
CT5	1-141-290-11	CAP, VAR FILM TRIMMER
CT6	1-141-290-11	CAP, VAR FILM TRIMMER
CT7	1-141-290-11	CAP, VAR FILM TRIMMER
CT8	1-141-290-11	CAP, VAR FILM TRIMMER
CV1	1-151-387-00	CAP, TUNING, POLYETHYLENE (Including,CT1-4)
CV2	1-141-328-11	CAP, TRIMMER (FINE TUNING)
D1	8-719-901-33	DIODE 1SS133
D2	8-719-901-33	DIODE 1SS133
D3	8-719-901-33	DIODE 1SS133
D4	8-719-768-75	DIODE 1S2687CS
D301	1-807-738-11	DIODE SLR-34VR70F130 (LED)
D302	8-719-100-38	DIODE RD6.2E-B2
D801	8-719-200-02	DIODE 10E2
D802	8-719-200-02	DIODE 10E2
D803	8-719-200-02	DIODE 10E2
D804	8-719-200-02	DIODE 10E2

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

Ref.No.	Part No.	Description			
R52	1-249-429-11	CARBON	10K	10%	1/32W
R53	1-215-477-00	CARBON	220K	10%	1/32W
R54	1-249-422-11	CARBON	2.7K	10%	1/32W
R55	1-249-423-11	CARBON	3.3K	10%	1/32W
R56	1-249-423-11	CARBON	3.3K	10%	1/32W
R57	1-249-437-11	CARBON	47K	10%	1/32W
R58	1-249-437-11	CARBON	47K	10%	1/32W
R59	1-249-439-11	CARBON	68K	10%	1/32W
R60	1-249-439-11	CARBON	68K	10%	1/32W
R61	1-249-402-11	CARBON	56	5%	1/4W
R101	1-249-421-11	CARBON	2.2K	10%	1/32W
R102	1-249-408-11	CARBON	180	10%	1/32W
R103	1-249-435-11	CARBON	33K	10%	1/32W
R104	1-249-421-11	CARBON	2.2K	10%	1/32W
R105	1-249-406-11	CARBON	120	10%	1/32W
R106	1-249-425-11	CARBON	4.7K	10%	1/32W
R107	1-249-417-11	CARBON	1K	10%	1/32W
R108	1-249-417-11	CARBON	1K	10%	1/32W
R109	1-249-404-00	CARBON	82	10%	1/32W
R110	1-249-403-11	CARBON	68	5%	1/4W
R112	1-249-430-11	CARBON	12K	10%	1/32W
R113	1-249-410-11	CARBON	270	10%	1/32W
R201	1-249-421-11	CARBON	2.2K	10%	1/32W
R202	1-249-408-11	CARBON	180	10%	1/32W
R203	1-249-435-11	CARBON	33K	10%	1/32W
R204	1-249-421-11	CARBON	2.2K	10%	1/32W
R205	1-249-406-11	CARBON	120	10%	1/32W
R206	1-249-425-11	CARBON	4.7K	10%	1/32W
R207	1-249-417-11	CARBON	1K	10%	1/32W
R208	1-249-417-11	CARBON	1K	10%	1/32W
R209	1-249-404-00	CARBON	82	10%	1/32W
R210	1-249-403-11	CARBON	68	5%	1/4W
R212	1-249-430-11	CARBON	12K	10%	1/32W
R213	1-249-410-11	CARBON	270	10%	1/32W
R301	1-249-402-11	CARBON	56	5%	1/4W
R302	1-249-402-11	CARBON	56	5%	1/4W
R303	1-249-427-11	CARBON	6.8K	10%	1/32W
R304	1-249-417-11	CARBON	1K	10%	1/32W
R305	1-249-413-11	CARBON	470	10%	1/32W
R306	1-249-415-11	CARBON	680	5%	1/4W
R307	1-249-410-11	CARBON	270	10%	1/32W
R308	1-249-420-11	CARBON	1.8K	10%	1/32W
R309	1-249-429-11	CARBON	10K	10%	1/32W
R310	1-249-420-11	CARBON	1.8K	10%	1/32W
R311	1-249-413-11	CARBON	470	5%	1/4W

Ref.No.	Part No.	Description			
R312	1-249-405-11	CARBON	100	5%	1/4W
R313	1-249-395-11	CARBON	15	5%	1/4W
R314	1-249-395-11	CARBON	15	5%	1/4W
R315	1-249-420-11	CARBON	1.8K	10%	1/32W
R401	1-249-405-11	CARBON	100	5%	1/4W
R402	1-249-425-11	CARBON	4.7K	10%	1/32W
R403	1-249-393-11	CARBON	10	5%	1/4W
R404	1-249-437-11	CARBON	47K	10%	1/32W
RV2	1-228-993-00	RES, ADJ, CARBON 5K			
RV301	1-237-567-11	RES, VAR, CARBON 20K/20K (TONE)			
RV302	1-230-454-11	RES, VAR, CARBON 20K/20K (VOLUME)			
S1	1-554-885-11	SWITCH, LEVER SLIDE (BAND)			
S301	1-570-931-11	SWITCH, LEVER SLIDE (REC/PB)			
S302	1-570-616-31	SWITCH, LEVER SLIDE (FUNCTION)			
S303	1-554-495-00	SWITCH, LEAF (MD POWER)			
S801	△1-552-921-00	SWITCH, POWER (VOLTAGE CHANGE)			
SP101	1-503-492-11	SPEAKER			
SP201	1-503-492-11	SPEAKER			
T1	1-403-872-00	I.F.T CONVERTER FM(SMALL TYPE)			
T2	1-404-249-00	COIL, FM DETECTOR			
T3	1-404-355-00	TRANSFORMER, IF			
T401	1-433-268-00	TRANSFORMER, BIAS OSCILLATOR			
T801	△1-448-765-11	TRANSFORMER, POWER			

ACCESSORY & PACKING MATERIAL

- 1-506-409-00 (Saudi Arabia)...ADAPTOR, CONVERSION
- △1-526-565-00 (E23)...AC PLUG ADAPTOR
- △1-555-074-00 (Australian)....CORD, POWER
- △1-555-360-31 (Saudi Arabia)...CORD, POWER
- △1-559-048-11 (E23).....CORD, POWER
- △1-559-050-11 (E12).....CORD, POWER
- *3-328-915-01 (Saudi Arabia,Australian)...LABEL
- 3-338-536-01 CUSHION
- 3-338-540-01 INDIVIDUAL CARTON
- 3-338-541-01 SHEET, PROTECTION
- 3-701-626-00 BAG, POLYETHYLENE
- 3-765-875-11 (Saudi Arabia,Australian)
...MANUAL, INSTRUCTION
- 3-765-875-51 (E12,E23)....MANUAL, INSTRUCTION

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