

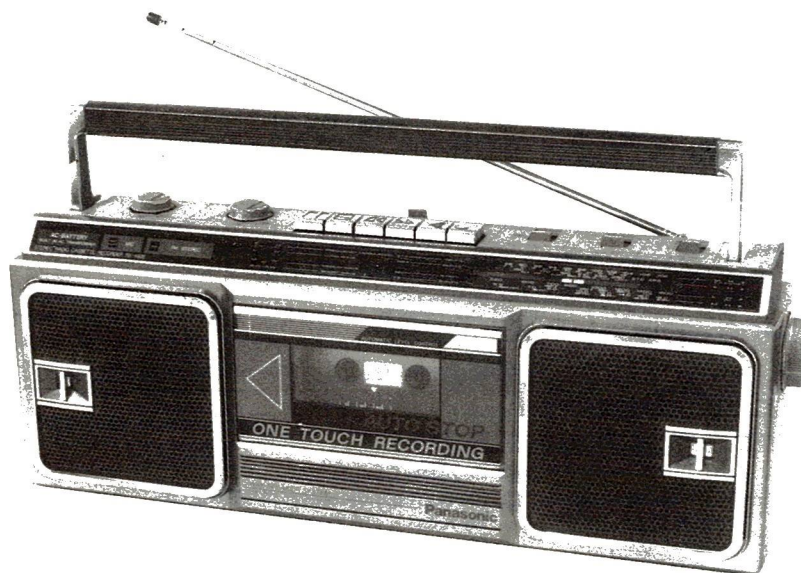
Service Manual

Radio Cassette

RX-4936L

(Black) (Silver)

Stereo Radio Cassette Recorder



This is the Service Manual for the following areas.

- Z** ...For all European areas except **E** **I** **G** **Y**.
- E** ...For United Kingdom.
- I** ...For Italy.
- G** ...For F.R. Germany.
- Y** ...For Spain and Greece.

Color Variation

Z	E	I	G	Y
Black Silver	Silver	Black Silver	Black Silver	Black Silver

■ SPECIFICATIONS

General:

Power Requirement: AC; **Z** **T** **G** **Y**220V, 50Hz
E240V, 50Hz
 Battery, 9V (Six "D" Size Flashlight Batteries)
 (Panasonic UM-1 or equivalent)

Power Consumption: 14W (AC only)

Power Output: 7W (3.5Wx2) ...MPO
 7W (3.5Wx2) ...RMS (max.)

Speaker: 12cm (5") PM Dynamic Speaker (3Ω)
 1.5cm (9/16") Ceramic Speaker Tweeter (2.5KΩ)

Output: Headphones; 32Ω, ϕ3.5

Dimensions: 463(W)×233(H)×104(D)mm
 (18 3/16"×9 1/8"×4 1/16")

Weight: 2.5kg (5 lb 5 oz) without batteries

Radio Section:

Radio Frequency Range: FM: 87.5~108MHz
 LW: 148.5~285kHz (2020~1052m)
 MW: 520~1610kHz (577~186m)
 SW: 5.9~18MHz (50.8~16.7m)

Intermediate Frequency: FM: 10.7MHz

AM (LW/MW/SW): 455kHz
 (470kHz ...**E** only)

Sensitivity: FM: 3.2μV/50mW output
 (−3dB Limit Sens)
 LW: 141μV/m/50mW output
 MW: 125μV/m/50mW output
 SW: 7.9μV/50mW output

Tape Deck Section:

Frequency Response: 80~11,000Hz (with normal tape)

Recording System: AC bias, Magnet erase

Tape Speed: 4.8cm/s, (1 7/8ips)

Track System: 4-track 2 channel stereo recording and playback

Fast Forward and
 Rewind Time:

Approx 95 seconds with C-60
 cassette tape

Design and specifications are subject to change without notice.

Panasonic

Matsushita Electric Trading Co., Ltd.
 P.O. Box 288, Central Osaka Japan

LOCATION OF CONTROLS AND COMPONENTS

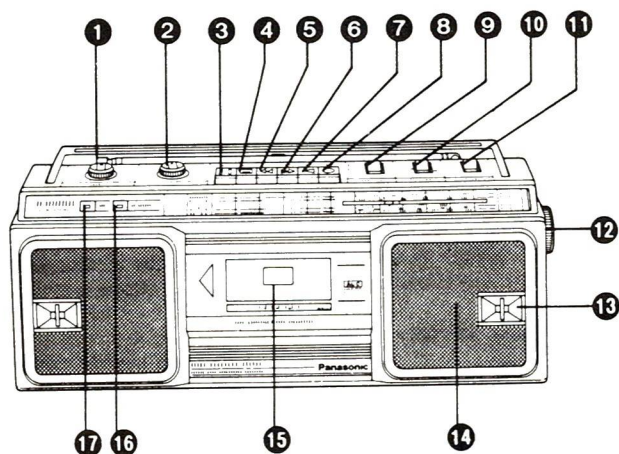


Fig. 1

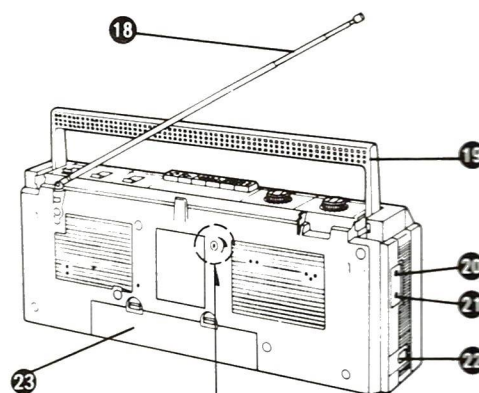


Fig. 2

When the tape is caught in the pinch roller, etc. Release the tape by turning the pulley on the motor with the screwdriver in the direction of the arrow.

- ① Volume Control (VOLUME)
- ② Tone Control (TONE)
- ③ Pause Button (II PAUSE)
- ④ Stop/Eject Button (■ STOP/EJECT)
- ⑤ Fast Forward/Cue Button (◀◀ FF/CUE)
- ⑥ Rewind/Review Button (▶▶ REW/REV)
- ⑦ Playback Button (▶ PLAY)
- ⑧ Record Button (● RECORD)
- ⑨ Function Selector (SELECTOR)
- ⑩ FM Mode Selector/Beat Proof Switch (FM MODE/B.P)
- ⑪ Band Selector (BAND)
- ⑫ Tuning Control (TUNING)
- ⑬ Speakers [Tweeter] 1.5cm (9/16") 2.5K Ω
- ⑭ Speakers [Woofer] 12cm (5") 3 Ω

- ⑮ Cassette Compartment
- ⑯ FM Stereo Indicator (FM STEREO)
To receive FM stereo broadcasts, set the FM Mode Selector to "STEREO". The FM Stereo Indicator will light during stereo broadcasts.
- ⑰ Built-in Microphone (MIC)
- ⑱ Telescopic Antenna
- ⑲ Handle
- ⑳ Headphones Jack (PHONES) 32 Ω ϕ 3.5
- ㉑ DIN Connector Jack (REC/PLAY)
- ㉒ AC Socket (AC IN ~)
- ㉓ Battery Compartment

DISASSEMBLY INSTRUCTIONS

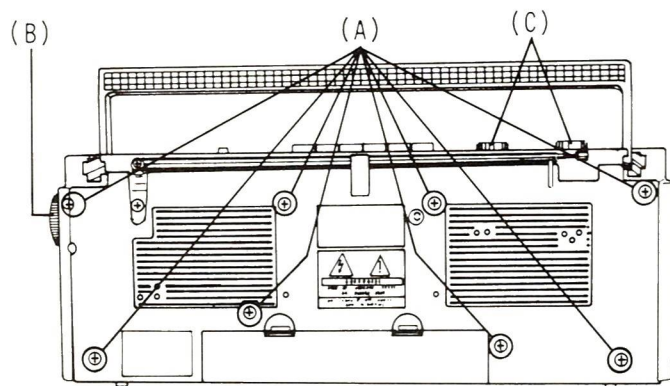


Fig. 3

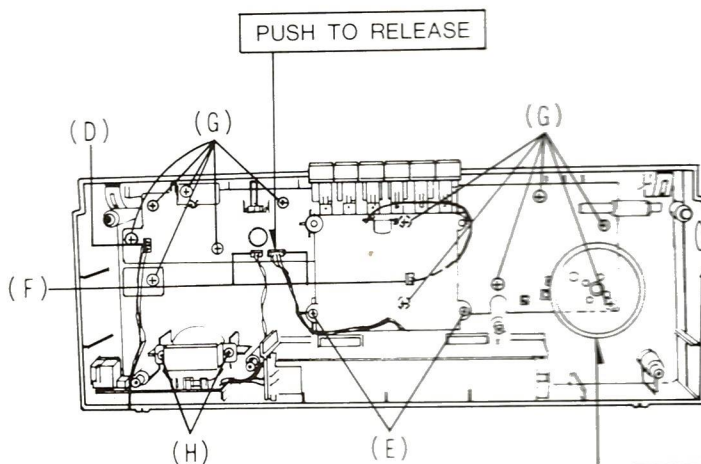


Fig. 4

Notes:

1. Set the variable capacitor to minimum position.
2. Turn the tuning knob clockwise to end scale position.
3. Before inserting radio PWB into front cabinet, it must be assured that the shaft of Variable capacitor inserts into the cavity of tuning knob completely.

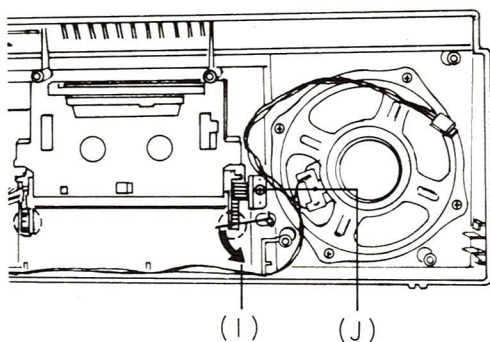


Fig. 5

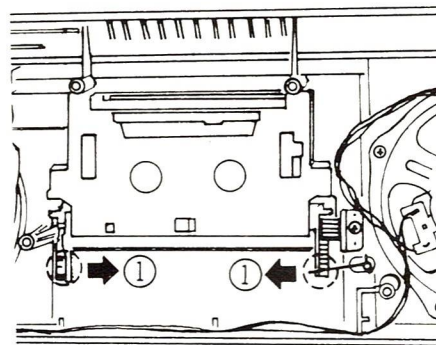
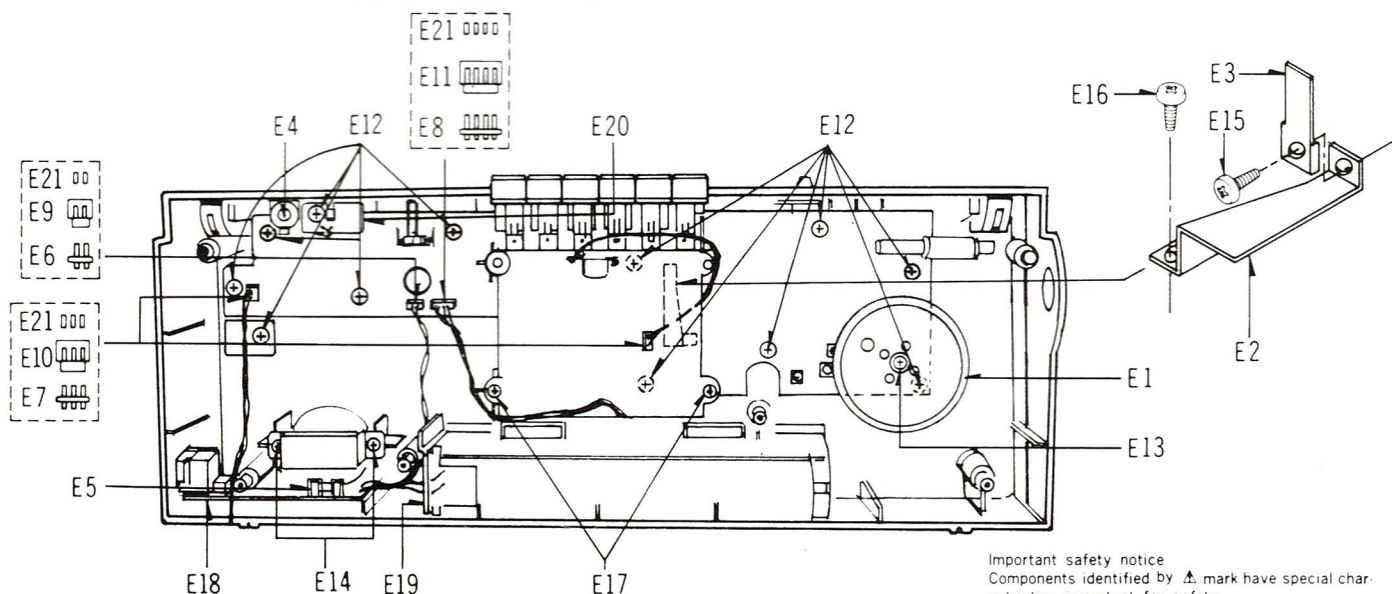


Fig. 6

Ref. No.	Shown in Fig.—	To remove—	Remove
1	3	Front Cabinet	Screw(3×30)mm(A)×8
2			Pullout the tuning knob(B)×1
3			Pullout the volume and tone knob(C)×2
4			Socket.....(D)×1
5	4	P.W.B. & Mechanism	Screw(3×12)mm(E)×2
6			Socket.....(F)×3
7			Screw(3×8)mm(G)×12
8			Screw(3×12)mm(H)×2
9	5	Cassette Panel	Spring(I)×1
10			Screw(3×12)mm(J)×1
11	6		To remove Cassette Panel, Push the rib in the direction of arrow 1

ELECTRICAL PARTS LOCATION

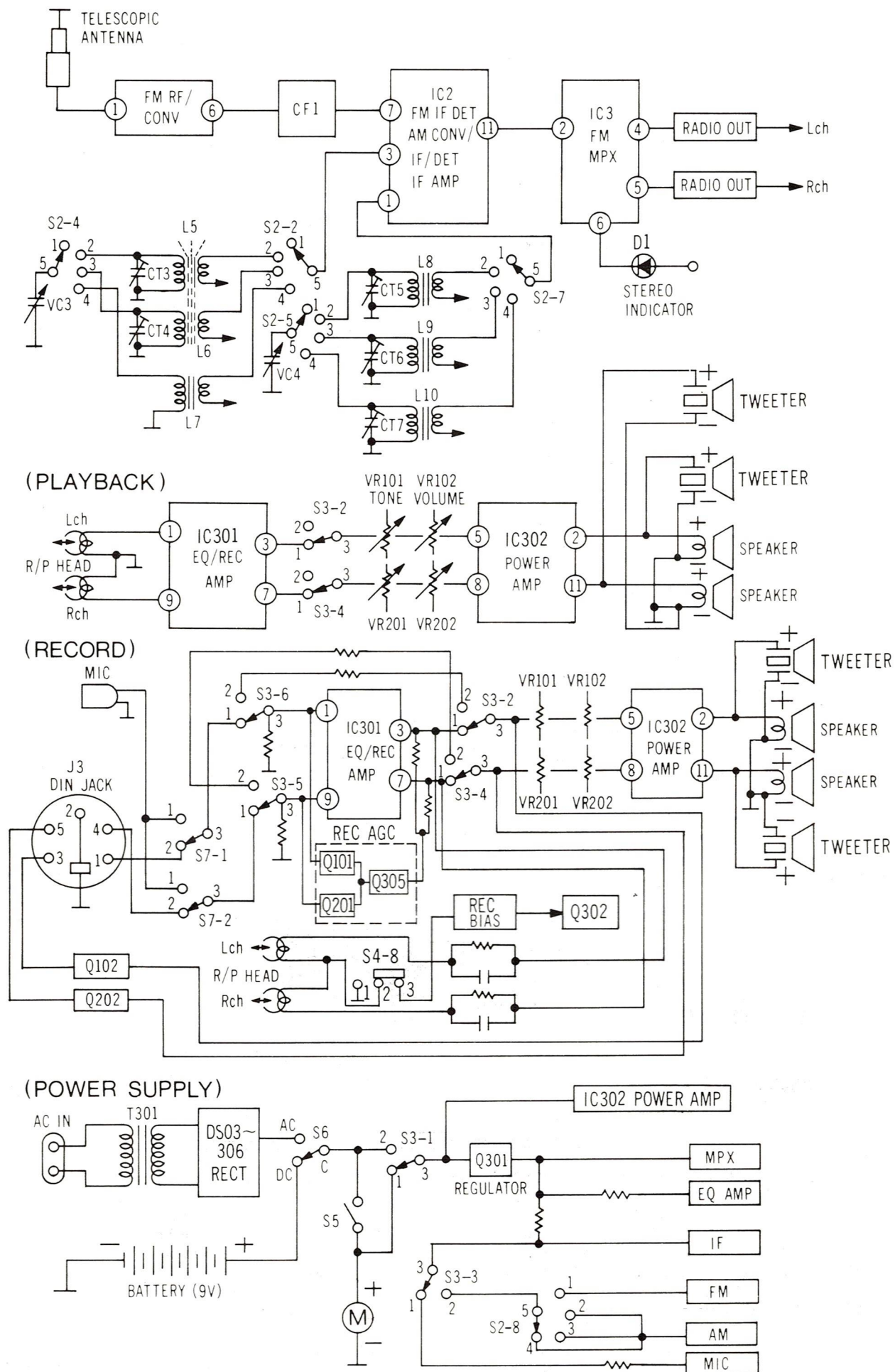


REPLACEMENT PARTS LIST (T) Mark stands for that the parts are supplied in TAMACO.

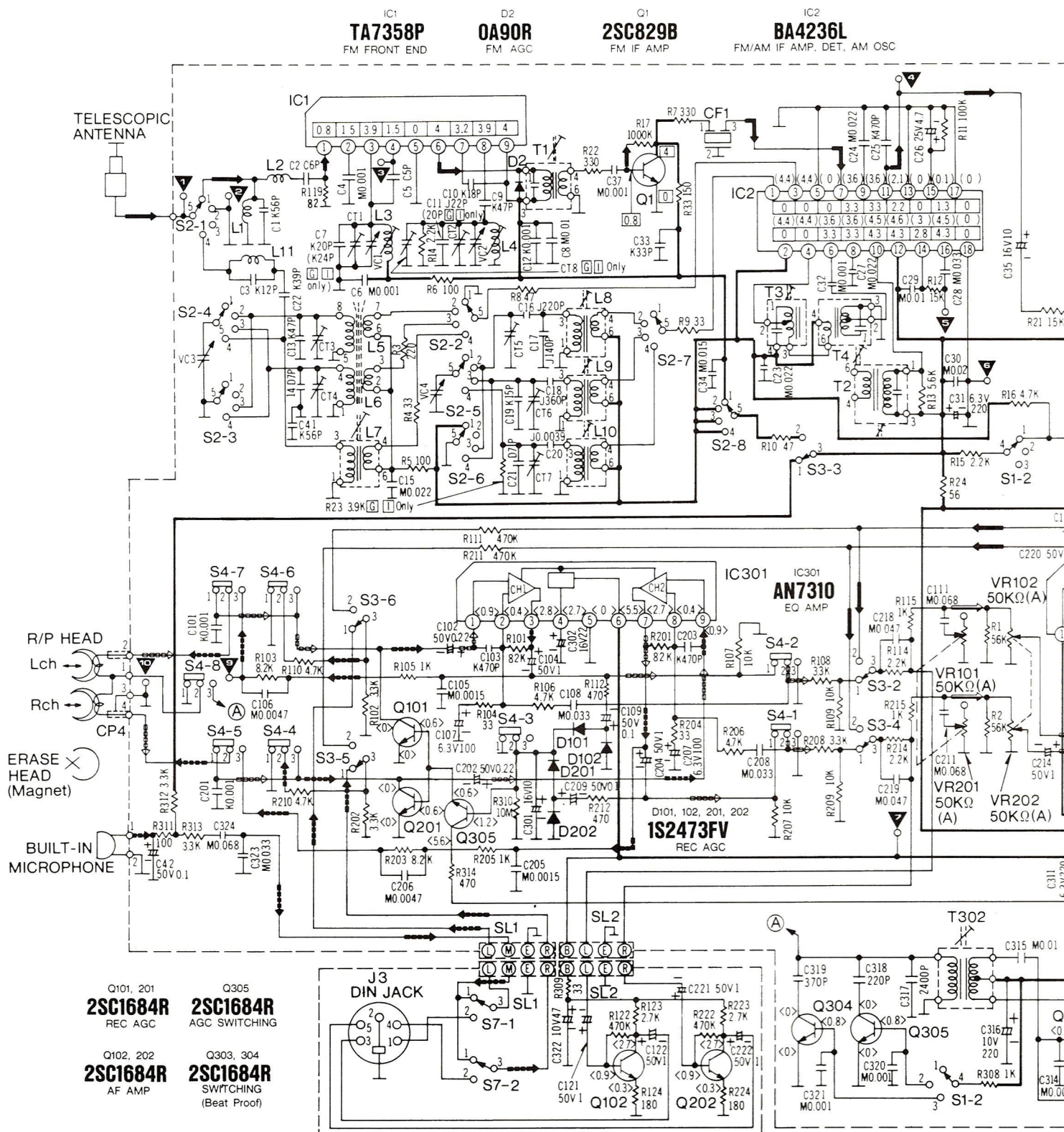
Ref. No.	Part No.	Part Name & Description	Ref. No.	Part No.	Part Name & Description	Ref. No.	Part No.	Part Name & Description
ELECTRICAL PARTS			E8	RJP4G1Z	Plug 4P	E14	XTW3+12C	Screw P.W.B.
E1(T)	RDG204TZ	Drum Gear	E9	RJS2L1Z	Socket 2P	E15	XTN3+6C	Screw R/P Spring
E2(T)	RMD005TZ	R/P Angle	E10	RJS3L1Z	Socket 3P	E16	XTN2+4F	Screw R/P Angle
E3(T)	RUS202TZ	R/P Spring	E11	RJS4T1Z	Socket 4P	E17	XTW3+12C	Screw Deck
E4(T)	RJM142Y	Microphone	E12	XTW3+8CR	Screw P.W.B.	E18(T)	RUP263TZ-a	Power P.C.B. (Without Electrical Parts) Δ
E5(T)	SJT34	Fuse Holder Δ	(E12,14,17)	XWG3	Washer, (Service Parts only)	E19(T)	RUP263TZ-b	P. C. B. Battery
E6	RJP2G1Z	Plug 2P	E13	XYN26+C6	Screw Drum	E20(T)	RUP262TZ-b	P. C. B. LED
E7	RJP3G1Z	Plug 3P	(E13)	XWA26B	Washer, (Service Parts only)	E21	RJT462Z	Contact

(RADIO)

BLOCK DIAGRAM



SCHEMATIC DIAGRAM M

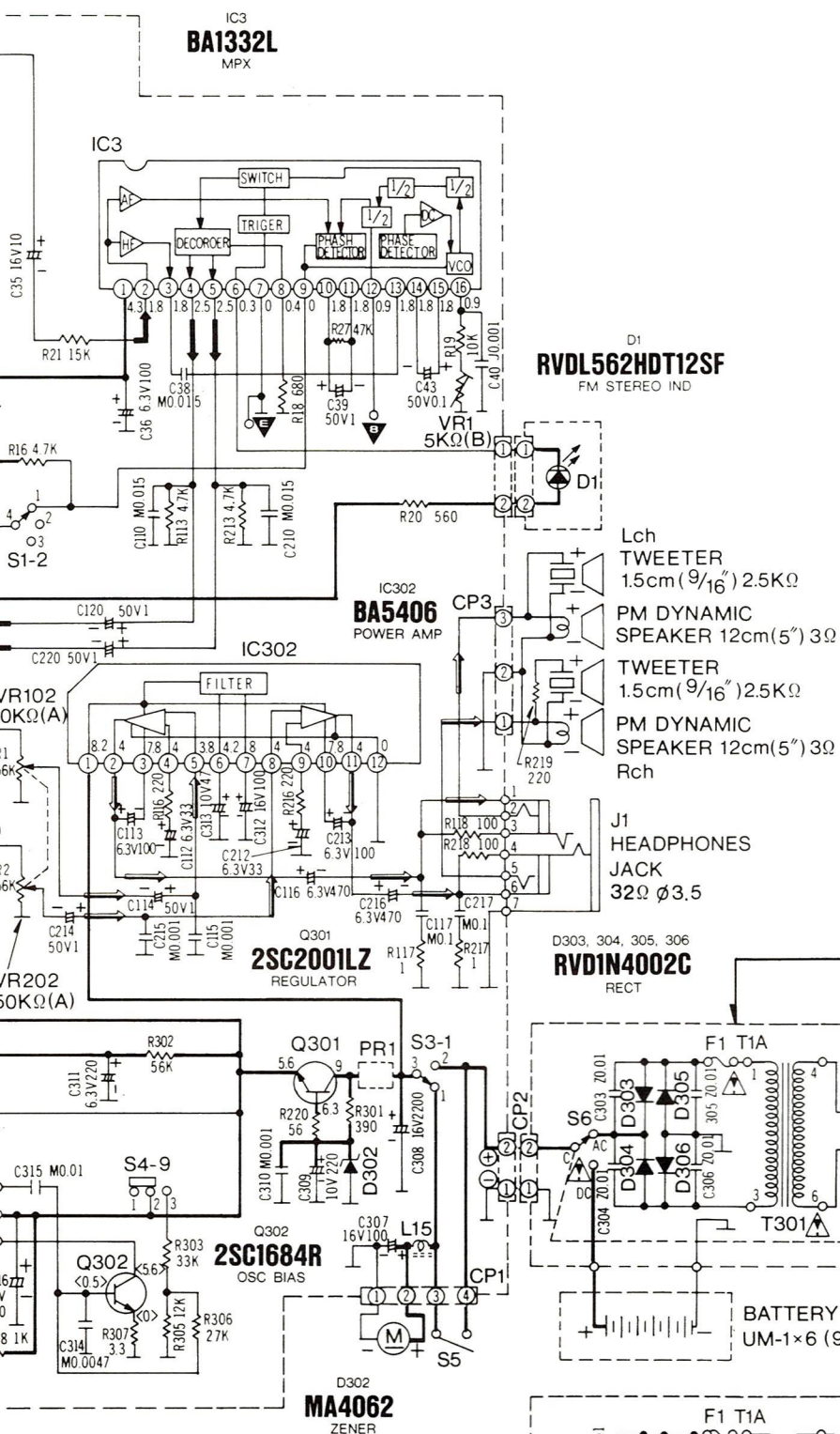


Notes:

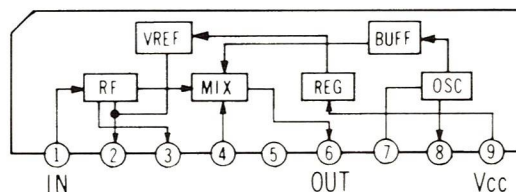
1. S1-1~1-2: FM Mode/B.P Switch in "FM MONO/I" Position.
(1...FM MONO/I, 2...FM STEREO/II,
3...FM STEREO/III).
2. S2-1~S2-8: Band select switch in "FM" position.
(1...FM, 2...LW, 3...MW 4...SW)
3. S3-1~S3-6: Function select switch in "TAPE" position.
(1...TAPE, 2...RADIO)
4. S4-1~S4-9: Record/playback switch in "PLAY" position.
(1...Playback, 3...Record)
5. S5: Motor switch in "OFF" position.
6. S6: AC/DC IN select switch in "AC" position.
7. S7-1~S7-2: DIN Jack switch in "OFF" position.
(1...OFF, 2...ON)
8. VR1: VCO adjustment VR.
9. VR101, VR201: Tone control VR.
10. VR102, VR202: Volume control VR.
11. DC voltage measurement are taken with electronics
voltmeter from negative terminal of battery.
☐ ...FM position, (☐)...AM position,
< ☐ >...Tape position.
12. Battery current: No signal..... 80mA
Maximum output (radio)800mA
Maximum output (tape).....1,000mA
- 5 —

13. Important safety
Components identified by
characteristics in the
When replacing
manufacturer's s
14. The mark (▼) s
- +B Vo
□□□□▶ Playback
▶ FM Sig
- - - - - Record
▶▶▶▶▶ Playback

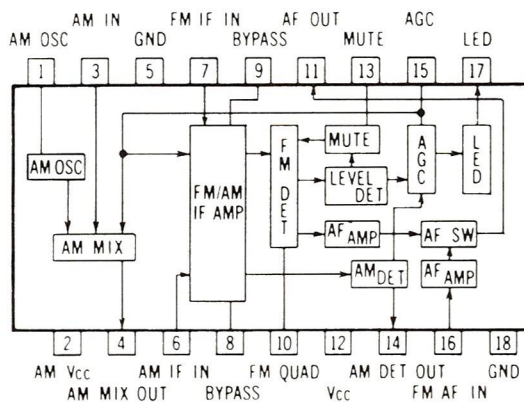
AM MODEL RX-4936L



IC1 TA7358P

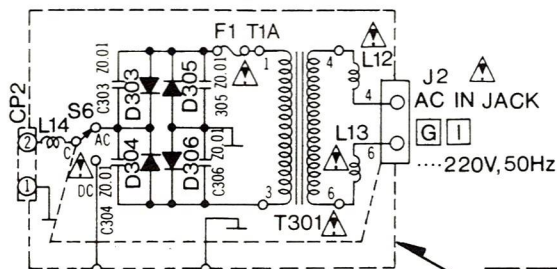
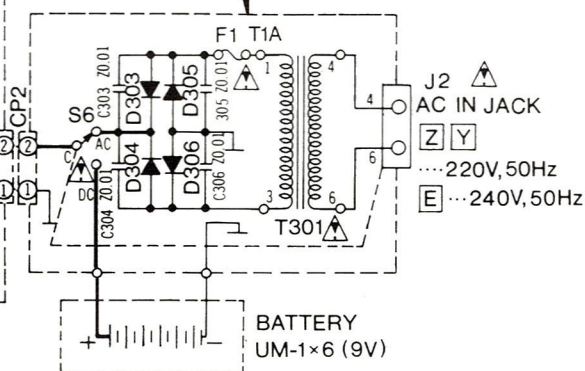


IC2 BA4236L



- Z...For all European areas except E I G Y
 E...For United Kingdom.
 I...For Italy.
 G...For F.R. Germany.
 Y...For Spain and Greece.

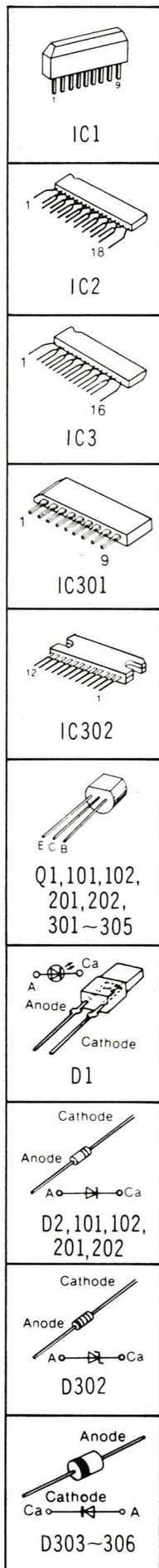
Z E Y Only



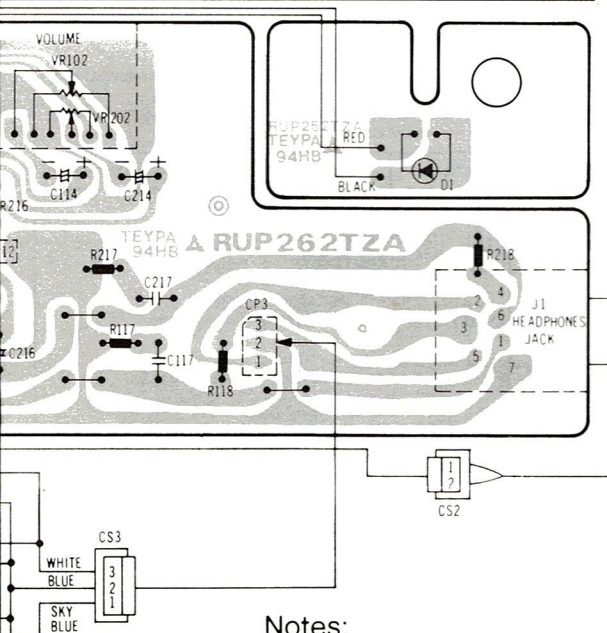
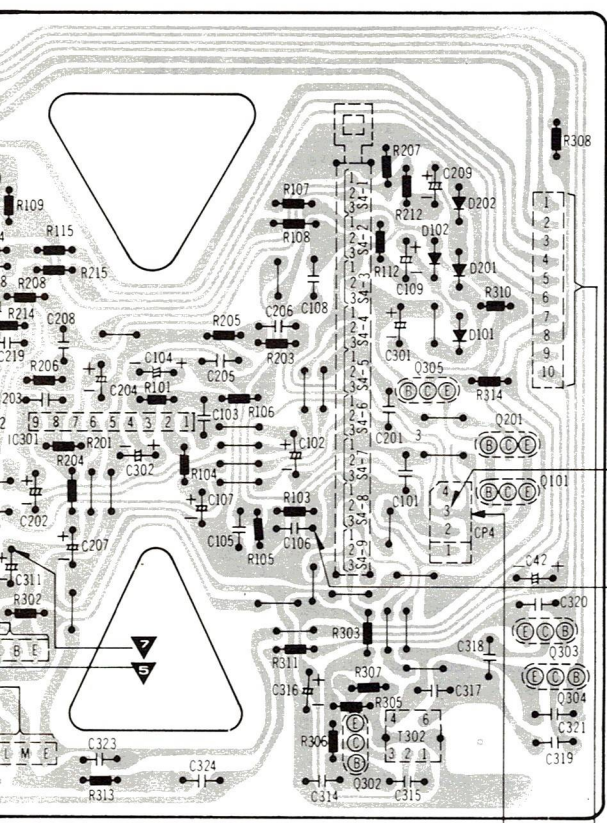
G I Only

- ant safety notice
 ents identified by ⚠ mark have special
 teristics important for safety.
 replacing any of these components, use only
 acturer's specified parts.
 mark (▼) shows test point e.g. ▼=test point 1.
 +B Voltage Line
 Playback Signal
 FM Signal
 Record Signal
 Playback and Radio Signal

CIRCUIT BOARD AND WIRING CONN



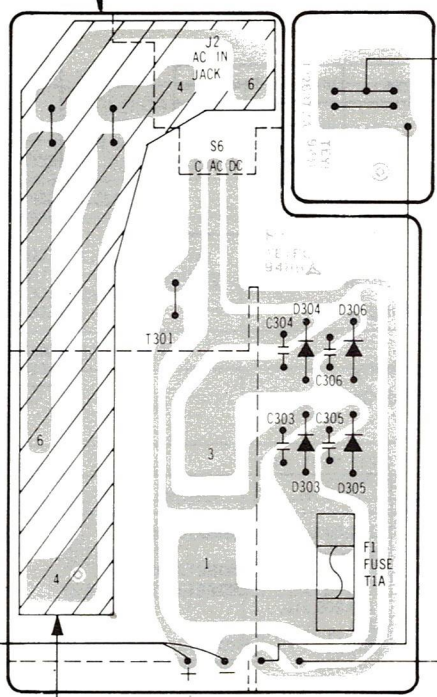
SECTION DIAGRAM MODEL RX-4936L



Notes:

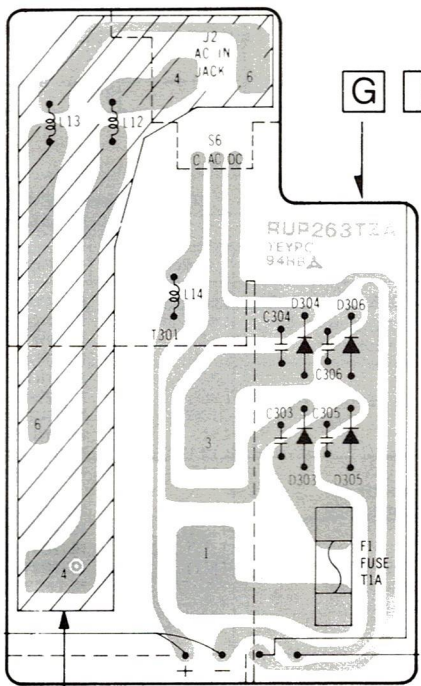
- Z...For all European areas except E I G Y
- E...For United Kingdom.
- I...For Italy.
- G...For F.R. Germany.
- Y...For Spain and Greece.

Z E Y Only



CAUTION
RISK OF ELECTRIC SHOCK
AC voltage line. Please do not touch this portion.

G I Only



CAUTION
RISK OF ELECTRIC SHOCK
AC voltage line. Please do not touch this portion.

- 9 -

MEASUREMENTS AND ADJUSTMENTS

■ ALIGNMENT INSTRUCTION

READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT	
1. Set volume control to maximum.	6. Set fine tuning to center.
2. Set tone control to treble.	7. Set power source voltage to 9V DC.
3. Set band switch to LW, MW, SW or FM ST.	8. Output of signal generator should be no higher than necessary to obtain an output reading.
4. Set balance control to center.	
5. Set function selector to radio.	

■ LW, MW and SW ALIGNMENT

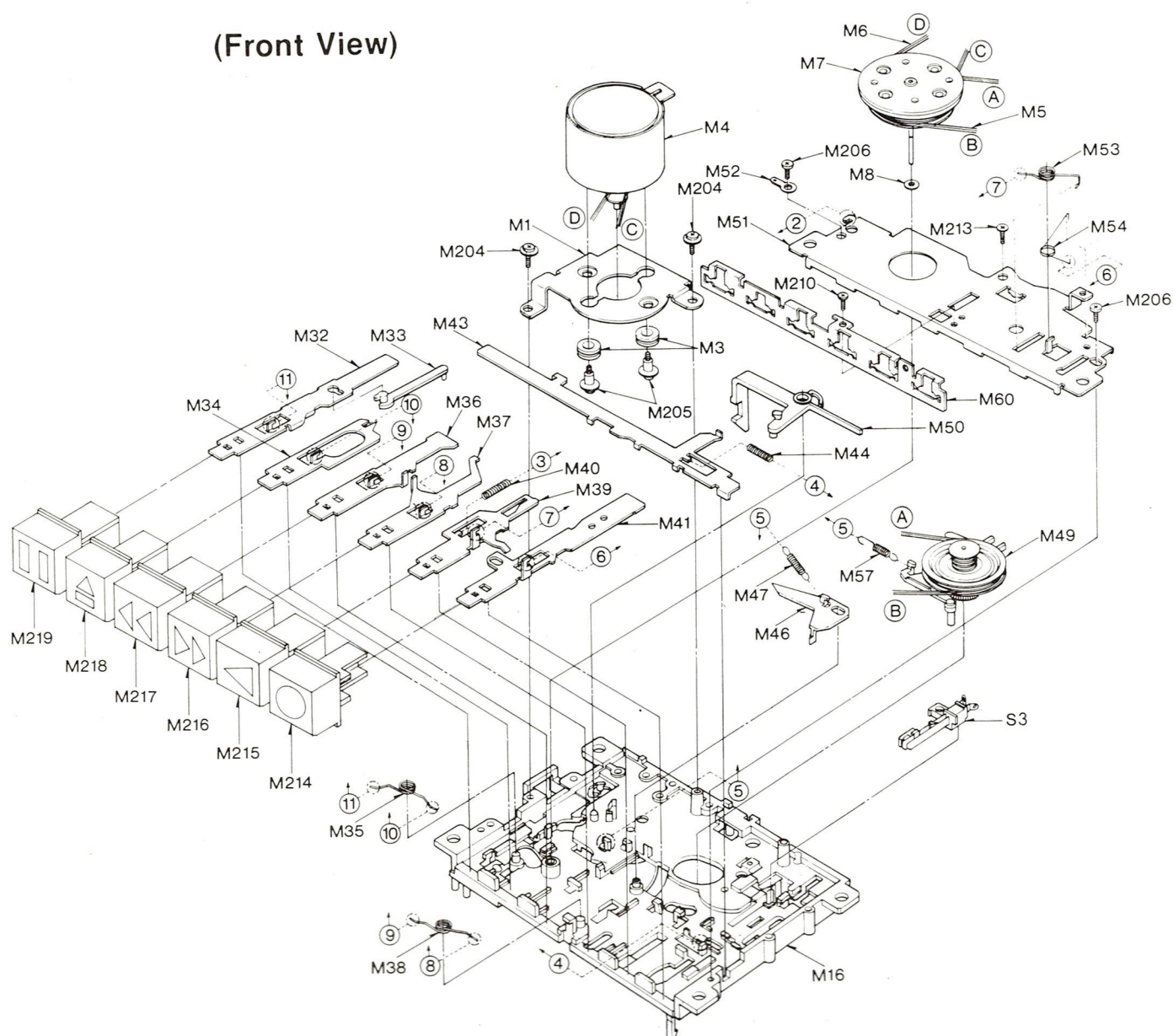
	BAND	SIGNAL GENERATOR or SWEEP GENERATOR		RADIO DIAL SETTING	INDICATOR (ELECTRONICS VOLTMETER or SCOPE)	ADJUSTMENT	REMARKS
		CONNECTIONS	FREQUENCY				
AM-IF ALIGNMENT							
(1)	MW	Fashion loop of several turns of wire and radiate signal into loop of receiver.	455kHz (470kHz ...  only) 30% Mod. at 400Hz	Point of non-interference. (on/about 600kHz)	Output meter across voice coil.	T3 (MW 1st IFT) T4 (MW 2nd IFT)	Adjust for maximum output.
LW-RF ALIGNMENT							
(2)	LW	"	136kHz (138kHz ...   only)	Tuning capacitor fully closed.	"	L8 (LW OSC Coil)	"
(3)	LW	"	297kHz	Tuning capacitor fully open.	"	CT5 (LW OSC Trimmer)	"
(4)	LW	"	145kHz	Tune to signal.	"	(*1 L5 (LW ANT Coil)	Adjust for maximum output. Adjust L5 by moving coil bobbin along ferrite core.
(5)	LW	"	285kHz	"	"	CT3 (LW ANT Trimmer)	Adjust for maximum output. Repeat steps (2)~(5).
MW-RF ALIGNMENT							
(6)	MW	"	511kHz (515kHz ...   only)	Tuning capacitor fully closed.	"	L9 (MW OSC Coil)	Adjust for maximum output.
(7)	MW	"	1,650kHz	Tuning capacitor fully open.	"	CT6 (MW OSC Trimmer)	"
(8)	MW	"	550kHz	Tune to signal.	"	(*1) L6 (MW ANT Coil)	Adjust for maximum output. Adjust L6 by moving coil bobbin along ferrite core.
(9)	MW	"	1,500kHz	"	"	CT4 (MW ANT Trimmer)	Adjust for maximum output. Repeat steps (6)~(9).
(*1) Cement antenna bobbin with wax after completing alignment.							
SW-RF ALIGNMENT							
(10)	SW	Connect to test point  through ceramic capacitor (10pF). Negative side to test point  .	5.75MHz	Tuning capacitor fully closed.	"	L10 (SW OSC Coil)	Adjust for maximum output.
(11)	SW		18.8MHz	Tuning capacitor fully open.	"	CT7 (SW OSC Trimmer)	"
(12)	SW		5.9MHz	Tune to signal.	"	L7 (SW ANT Coil)	Adjust for maximum output. Repeat steps (10)~(12).

■ FM ALIGNMENT

FM-IF ALIGNMENT							
BAND	SIGNAL GENERATOR or SWEEP GENERATOR		RADIO DIAL SETTING	INDICATOR (ELECTRONICS VOLTMETER or SCOPE)	ADJUSTMENT	REMARKS	
	CONNECTIONS	FREQUENCY					
FM-IF ALIGNMENT							
(1)	FM	High side thru. 0.001 μ F to test point  . Negative side to test point  .	10.7MHz (SWP.)	Point of non-interference. (on/about 90 MHz)	Connect vert. amp. of scope to test point  . Negative side to test point  .	T1 (FM 1st IFT)	Adjust for maximum amplitude. (Refer to fig. 8.)
(2)	FM	"	"	"	"	T2 (FM 2nd IFT)	Adjust for maximum amplitude." (Refer to fig. 9.)

MECHANISM PARTS LOCATION

(Front View)



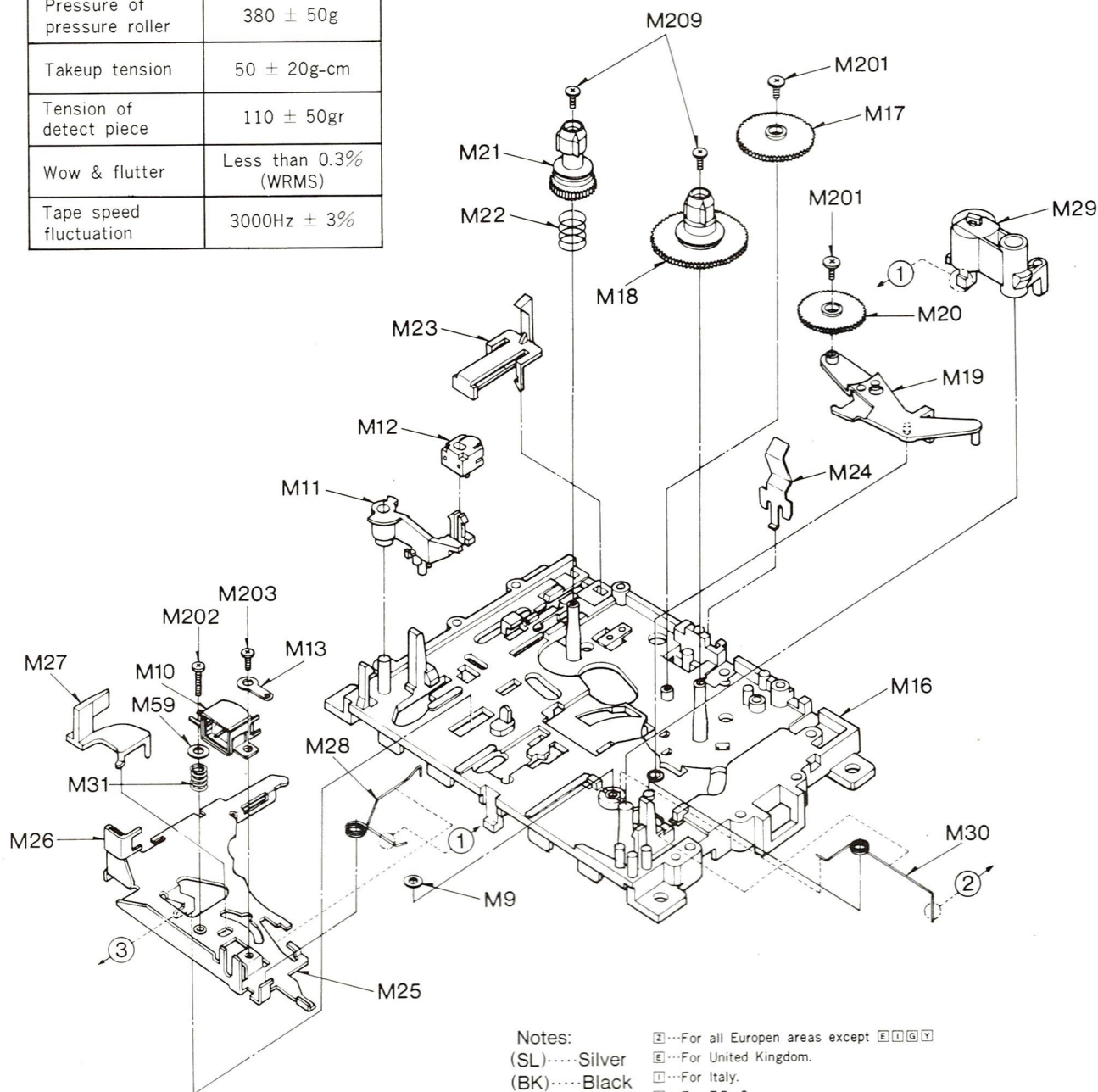
■ REPLACEMENT PARTS LIST

Ref. No.	Part No.	Part Name & Description	Ref. No.	Part No.	Part Name & Description
MECHANICAL PARTS					
M1	RFD270Z	Motor Plate	M22	RFS631Z	Spring
M3	RFI43Z	Rubber Cushion	M23	RFY692Z	Inter Lock Arm
M4(T)	RFM87Z	Motor Ass'y	M24	RFS632Z	Cassette Spring
M5	RFB72Z	Belt	M25	RFU90Z	Head Base
M6	RFB73Z	Belt Flywheel	M26	RFE294Z	Tape Guide
M7	RFF43Z	Flywheel Ass'y	M27	RFE295Z	Tape Sensor
M8	RFN114Z	Flywheel Washer	M28	RFS633Z	Pinch Arm Spring
M9	RFN168Z	Washer	M29	RFR39Z	Pinch Arm Ass'y
M10	RJH4C33Y	R/P Head	M30	RFS634Z	Earth Spring
M11	RFY691Z	Erase Head Arm	M31	RFS635Z	Azimuth C. Spring
M12	RJH2C15XY	Erase Head	M32	RFY693Z	Pause Lever
M13	RFE293Z	Lug Plate	M33	RFY694Z	Pause Arm
M16	RFU89Z	Chassis	M34	RFY695Z	Stop, Eject Lever
M17	RFG92Z	F. F Gear	M35	RFS636Z	Spring
M18	RFJ60Z	Takeup Reel Ass'y	M36	RFY696Z	FF Lever
M19	RFY702Z	Idler Arm	M37	RFY697Z	REW Lever
M20	RFG93Z	Idler Gear	M38	RFS637Z	Spring
M21	RFJ61Z	Supply Reel	M39	RFY698Z	Play Lever
			M40	RFS638Z	Spring

Rear View

SPECIFICATION

Pressure of pressure roller	380 ± 50g
Takeup tension	50 ± 20g-cm
Tension of detect piece	110 ± 50gr
Wow & flutter	Less than 0.3% (WRMS)
Tape speed fluctuation	3000Hz ± 3%



Notes:

(SL).....Silver
(BK).....Black

②---For all European areas except EITGV
E---For United Kingdom.
①---For Italy.
G---For F.R. Germany.
V---For Spain and Greece.

REPLACEMENT PARTS LIST

(T) Mark stands for that the parts are supplied in TAMACO.

Ref. No.	Part No.	Part Name & Description	Ref. No.	Part No.	Part Name & Description
M41	RFY699Z	REC Lever	M205	RFE305Z	Motor Screw
M43	RFY700Z	Function Lever	M206	RFE306Z	Screw
M44	RFS639Z	Spring	M209	RFE307Z	Bush B
M46	RFY701Z	Arm	M210	RFE309Z	Screw
M47	RFS619Z	Spring	M213	RFE308Z	Bush C
M49	RFQ48Z	RF Pulley Arm Ass'y	M214(T)	RBC237TZ	Button REC (SL)
M50	RFY703Z	Eject Arm	M214(T) ②①GV	RBC237TZ1	Button REC (BK)
M51	RFU91Z	Plate	M215(T)	RBC238TZ	Button Play (SL)
M52	RFE296Z	Earth Lug	M215(T) ②①GV	RBC238TZ1	Button Play (BK)
M53	RFS640Z	Spring	M216(T)	RBC239TZ	Button REW (SL)
M54	RFS626Z	Spring	M216(T) ②①GV	RBC239TZ1	Button REW (BK)
M57	RFS627Z	Spacer C	M217(T)	RBC240TZ	Button FF (SL)
M59	RFE310Z	Lever Holder	M217(T) ②①GV	RBC240TZ1	Button FF (BK)
M60	RFD271Z	Bush, Screw	M218(T)	RBC241TZ	Button Stop/Eject (SL)
M201	RFE304Z	Screw	M218(T) ②①GV	RBC241TZ1	Button Stop/Eject (BK)
M202	XSN2+8	Screw	M219(T)	RBC242TZ	Button Pause (SL)
M203	XSN2+3	Screw	M219(T) ②①GV	RBC242TZ1	Button Pause (BK)
M204	XTW26+8	Screw			

BAND	SIGNAL GENERATOR or SWEEP GENERATOR		RADIO DIAL SETTING	INDICATOR (ELECTRONICS VOLTMETER or SCOPE)	ADJUSTMENT	REMARKS
	CONNECTIONS	FREQUENCY				
	FM-RF ALIGNMENT					
FM	Connect to test point ▼ through FM dummy antenna. Negative side to test point ▼. (Refer to fig. 10.)	86.2MHz (87.3MHz... □ □ only)	Variable capacitor fully closed.	Output meter across voice coil.	L4 (FM OSC Coil)	(*2) Adjust for maximum output.
FM		109.2MHz (108.3MHz... □ □ only)	Variable capacitor fully open.	"	CT2 (FM OSC Trimmer) (CT8 □ □ only)	"
FM		90MHz	Tune to signal.	"	L3 (FM ANT Trimmer)	(*2) Adjust for maximum output. Repeat steps (3)~(6).
FM		106MHz	Tune to signal.	"	CT1 (FM ANT Trimmer)	
CT2 adjustment to center before FM-RF ALIGNMENT. (For F.R. Germany and Italy.) (*2) Three output responses will be present; proper tuning is the center frequency.						

SEPARTION ALIGNMENT

ITEM	FM SIGNAL GENERATOR SOURCE CONNECTION	EQUIPMENT CONNECTION ELECTRONIC COUNTER	ADJUSTMENT	SPECIFICATION	REMARKS
Adjustment of pilot signal.	98MHz, 60 dB Connect to test point ∇ through FM dummy antenna. Negative side to test point ∇ .	∇ ...(+) ∇ ...(-)	VR1	19kHz	Adjust VR1, for 19kHz (± 100 Hz) reading on electronics counter.

TAPE ADJUSTMENT

ITEM	INPUT	MEASUREMENT POINT	SPECIFICATION	ADJUSTMENT POINT	REMARKS
Azimuth	QZZCFM (8kHz, -20 dB)	Headphones Jack (32 Ω)	Maximum output.	Azimuth screw	Playback mode FM Mode switch $\rightarrow$ Stereo (Refer to Fig. 11.)
Tape Speed	QZZCWAT (3kHz)	"	3000 $\pm$ 90Hz	Motor Volume	Playback mode (Refer to Fig. 12.)
REC Bias Frequency	—	∇ ...(+) ∇ ...(-)	70kHz $\pm$ 200Hz	T302 (OSC Coil)	REC Mode FM Mode switch $\rightarrow$ Mono/I

ALIGNMENT POINTS

* Please refer to Circuit Board and Wiring Connection Diagram which is located test point.

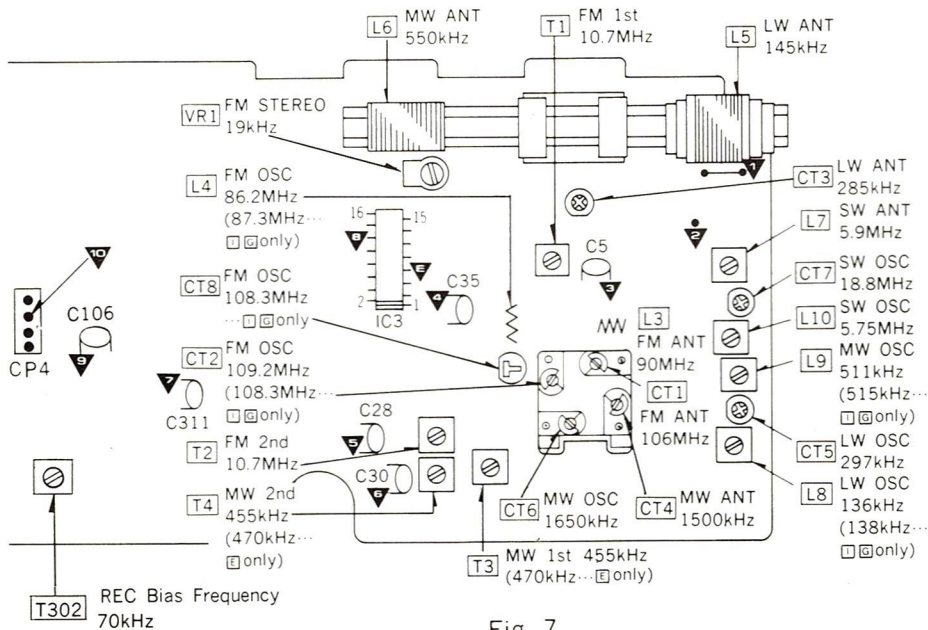


Fig. 7

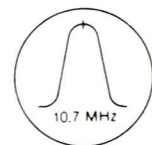


Fig. 8

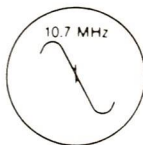


Fig. 9

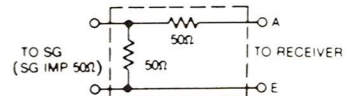


Fig. 10 FM Dummy Antenna

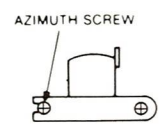


Fig. 11

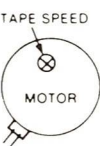
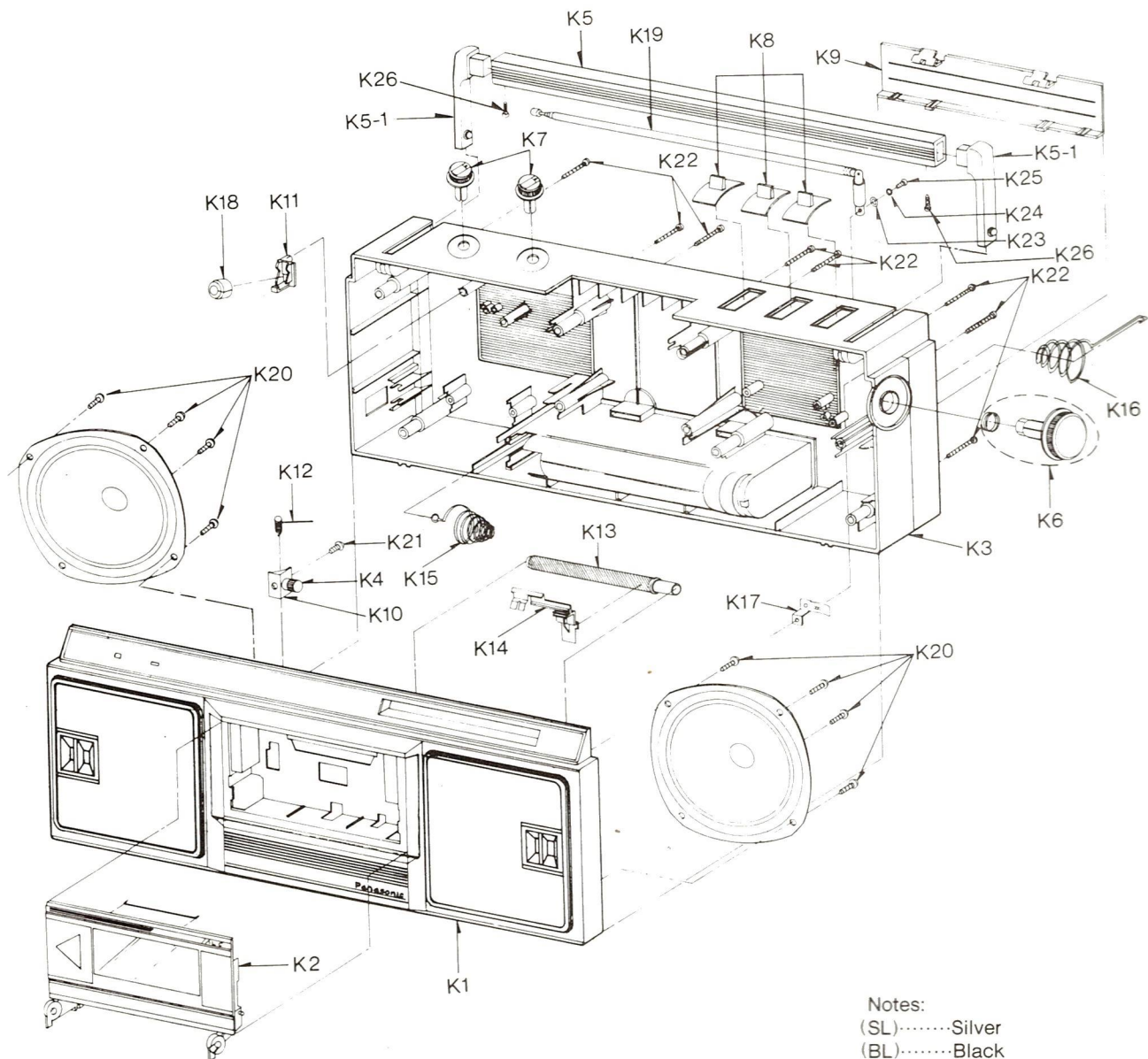


Fig. 12

CABINET PARTS LOCATIONS



Notes:

(SL).....Silver

(BL).....Black

Ⓔ.....For all European areas except E I G Y

Ⓔ.....For United Kingdom.

Ⓔ.....For Italy.

Ⓔ.....For F. R. Germany.

Ⓔ.....For Spain and Greece.

REPLACEMENT PARTS LIST (T) Mark stands for that the parts are supplied in TAMACO.

Important safety notice Components identified by ⚠ mark have special characteristics important for safety
When replacing any of these components, use only manufacturer's specified parts.

Ref. No.	Part No.	Part Name & Description	Ref. No.	Part No.	Part Name & Description	Ref. No.	Part No.	Part Name & Description
CABINET PARTS								
K1(T)ⒺⒺⒺ	RYMX4936LZ	Front, Cabinet Ass'y (BL)	K7(T)	RBN216TZ2	Volume/Tone Knob (SL)	K22	XTB3+30B	Screw, Rear Cabinet
K1(T)ⒺⒺⒺ	RYMX4936LZ8	Front, Cabinet Ass'y (SL)	K8(T)ⒺⒺⒺ	RBS203TZ1	Band Knob (BL)		XWG3	Washer (K20, 21, 22, Service Parts only)
K1(T)Ⓔ	RYMX4936LZE8	Front, Cabinet Ass'y (SL)⚠	K8(T)	RBS203TZ2	Band Knob (SL)	K23	XWG3FN	Washer, Telescopic Antenna
K1(T)Ⓔ	RYMX4936LZG	Front, Cabinet Ass'y (BL)	K9(T)ⒺⒺⒺ	RYNX4936LZ	Battery Cover Ass'y (BL)	K24	YWA3B	Washer, Telescopic Antenna
K1(T)Ⓔ	RYMX4936LZG8	Front, Cabinet Ass'y (SL)	K9(T)	RYNX4936LZ7	Battery Cover Ass'y (SL)	K25	XS83+8BN	Screw, Telescopic Antenna
K2(T)	RYQX4936LZ	Cover, Cassette Ass'y	K10(T)	RME202TZ	Gear Holder	K26	XTB3+12C	Screw, Handle
K3(T)ⒺⒺⒺ	RYFX4936LZ	Rear Cabinet Ass'y (BL)	K11(T)	RME204TZ	MIC Holder	ACCESSORY		
K3(T)ⒺⒺⒺ	RYFX4936LZ8	Rear Cabinet Ass'y (SL)	K12(T)	RUS217TZ	Spring Gear Holder	A1(T)ⒺⒺⒺⒺ	RJA20Z	AC Cord ⚠
K3(T)Ⓔ	RYFX4936LZE8	Rear Cabinet Ass'y (SL)⚠	K13(T)	RDG580TZ	Tuning Gear	A1(T)Ⓔ	RJA86Z	AC Cord ⚠
K3(T)Ⓔ	RYFX4936LZG	Rear Cabinet Ass'y (BL)	K14(T)	RDP226TZ	Pointer	PACKING MATERIALS		
K3(T)Ⓔ	RYFX4936LZG8	Rear Cabinet Ass'y (SL)	K15(T)	RJC240TZ	Terminal Battery -	P1(T)	RPK323TZ	Gift Box
K3(T)Ⓔ	RYFX4936LZG8	Rear Cabinet Ass'y (SL)	K16(T)	RJC238TZ	Terminal Battery + & -	P2(T)	RPP290TZ	Polyethylene Cover
K4(T)	SMQ4C10	Gear Cassette Cover	K17(T)	RJT230TZ	Terminal Antenna	P3(T)	RPNA1027TZ	Pad
K5(T)ⒺⒺⒺ	RKX214TZ	Handle (BL)	K18(T)	QBG1526B	Gum MIC	PRINTED MATERIAL		
K5(T)	RKX214TZ7	Handle (SL)	K19(T)	XEARR295CBK	Telescopic Antenna	Y1(T)	RQX481TZ	Instruction Book
K5-1(T)	RKX332Z	Handle Fixture	K20	XTW3+8C	Screw Speaker			
K6(T)ⒺⒺⒺ	RYTX4936LZ1	Tuning Knob Ass'y (BL)	K21	XTN3+6C	Screw Gear Deck			
K6(T)	RYTX4936LZ2	Tuning Knob Ass'y (SL)						
K7(T)ⒺⒺⒺ	RBN216TZ1	Volume/Tone Knob (BL)						