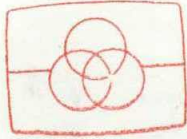


MODEL TPR-910 LEE, SEE, UK

AIWA®



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(SERVICE MANUAL)



Set using ISO screws

DATE OF ISSUE 25/6/1976

SPECIFICATIONS

Type: Stereo cassette recorder/radio
Circuit: 5 IC, 25 transistors, 15 diodes, 2 LED
Power source: Dry cell, 7.5V (UM-1 x 5)
 House current, AC 110-120/220-240V (changeable)
 Car battery, 7.5V (thru car battery adaptor).

Frequency response: 50-10,000 Hz
Output: Max., 4.0W (2.0W + 2.0W)
Power consumption: 12W
Speaker: 100mmφ 8Ω type x 2

Tape Recorder Section

Built-in microphone: Electret condenser microphone (ECM) x 2
Tape speed: 4.8 cm/sec
Recording system: AC bias
Erasing system: AC erase
S/N ratio: 55 dB
Wow & flutter: 0.14% (WRMS)

Radio Section

Circuitry: Superheterodyne
Frequency range: **TPR-910LEE, UK**
 FM, 87.5-108 MHz (3.43-2.87m)
 MW, 525-1,605 kHz (571-187m)
 LW, 150-300 kHz (2,000-857m)

Antennas:

TPR-910SEE

FM, 87.5-108 MHz (3.43-2.87m)
 SW, 5.9-18 MHz (50.9-16.6m)
 MW, 525-1,605 kHz (571-187m)

TPR-910LEE, UK

Whip antenna for FM
 Ferrite bar antenna for MW and LW

TPR-910SEE

Whip antenna for SW and FM
 Ferrite bar antenna for MW

Dimensions:

Weight:

Accessories:

378(W) x 246(H) x 100(D) mm
 3.4 kg (w/o batteries)

Battery (UM-1) x 5
 Cassette tape x 1
 Shorting Plug x 1
 AC power cord x 1
 Cleaning stick x 1

The specifications and external appearance of this set are subject to change without notice.

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DISASSEMBLY INSTRUCTIONS

1. To Remove Back Cover

- 1) Remove the battery room lid.
- 2) Remove 6 screws.
(Refer to Fig. 1)

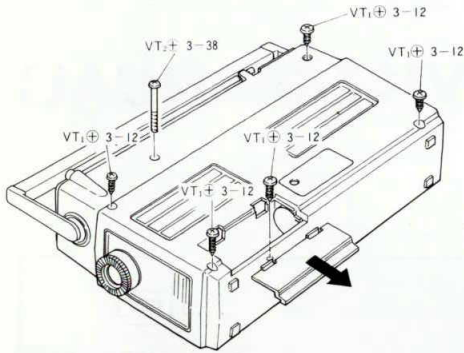


Fig. 1

4. To Remove Chassis

- 1) Remove 5 screws.
(Refer to Fig. 4)

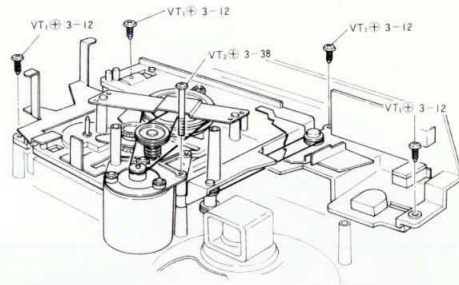


Fig. 4

2. To Remove Rec./Pb. Circuit Board

- 1) Remove 3 screws.
(Refer to Fig. 2)

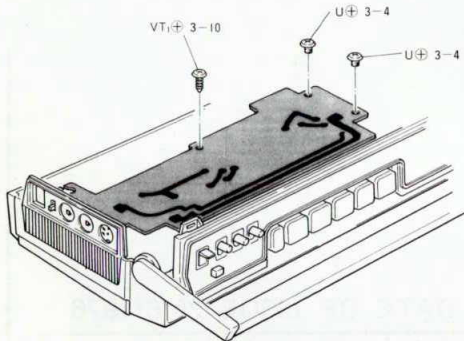


Fig. 2

5. To Remove Tuner Circuit Board

- 1) Pull out the control knobs.
- 2) Remove 4 screws.
(Refer to Fig. 5)

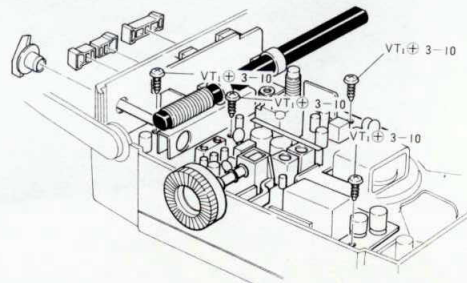


Fig. 5

3. To Remove Power Circuit Board

- 1) Remove mounting screw.
(Refer to Fig. 3)

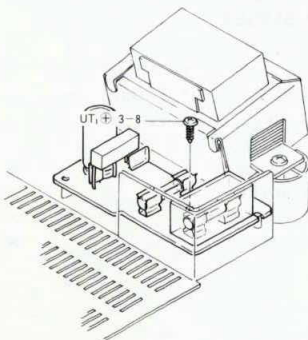


Fig. 3

6. To Remove Chassis R

- 1) Remove 5 screws.
(Refer to Fig. 6)

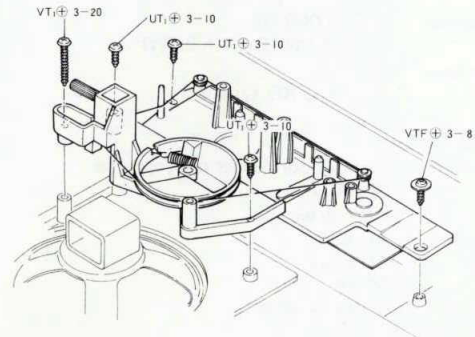


Fig. 6

7. To Remove Switch Circuit Board

- 1) Remove 4 screws.
(Refer to Fig. 7)

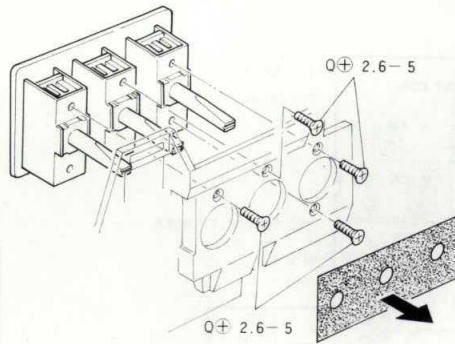


Fig. 7

MECHANICAL ADJUSTMENTS

1. Thrust

Turn thrust adjusting screw in direction shown by arrow. Adjust for 0.2 ± 0.1 mm spacing between screw and flywheel.
(Refer to Fig. 8)

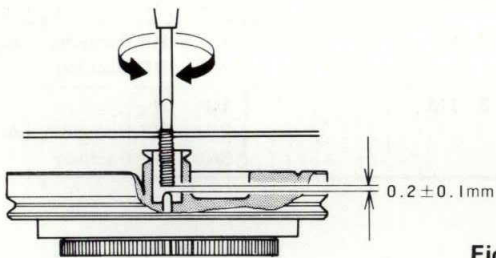


Fig. 8

2. Pause Spring

- 1) Confirm that pause spring lightly contacts the slider when slider tip is contacted at left side of worm wheel.
- 2) If space occurs between pause spring and slider due to strong pause spring contact with the slider, bend the pause spring so that the slider becomes lightly contacted. (Refer to Fig. 9)

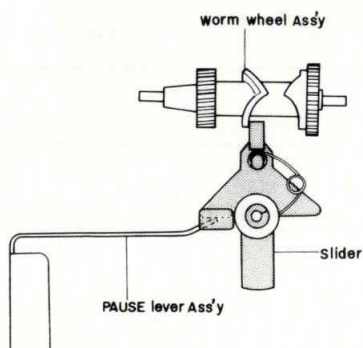


Fig. 9

3. Tape Speed

$3\text{kHz} \pm 1\%$
Use a standard test tape, TTA-111 (3 kHz) or equivalent.

4. Wow and Flutter

$0.12 \pm 0.06\%$ (WRMS) PB
Use a standard test tape, TTA-111 (3 kHz) or equivalent.

5. Pinch Roller Pressure

$275 \pm 25\text{g}$

6. Take-up Torque

$50 \pm 10\text{ g-cm}$

7. Rewind/FF Torque

$100 \pm 10\text{ g-cm}$

8. Rewind & FF Time

$80 \pm 5\text{ sec.}$ (at C-60 cassette tape).

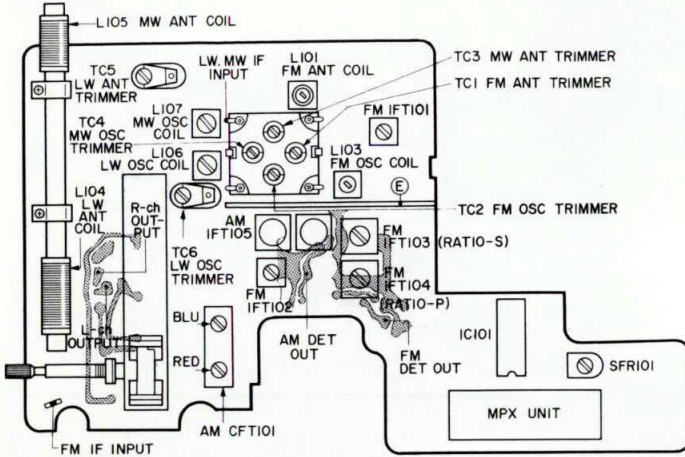
9. Current Consumption

FWD: $150 \pm 20\text{mA}$
FF: $140 \pm 25\text{mA}$
REW: $140 \pm 25\text{mA}$
(mechanism only)

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RADIO ADJUSTMENTS

Location of Main Parts (For LEE UK Model)



1. Instruments Required

Signal Source

1. RF Signal generator (AM, FM). 455 kHz/468 kHz.
2. IF sweep generator (Centered for AM and 10.7 MHz for FM).

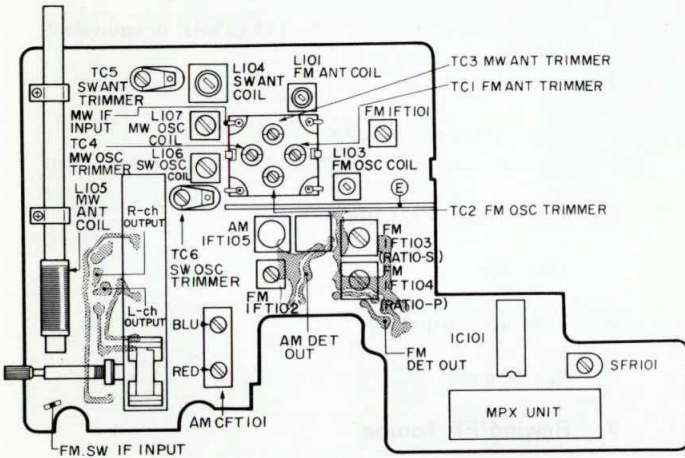
Output Indicator

1. V.T.V.M.
2. Oscilloscope

Regulator Adjusting Steps (For LEE, UK Model)

For band	For stages on each band
1. AM (MW)	1st: IF 2nd: RF frequency range 3rd: RF tracking
2. LW	1st: RF frequency range 2nd: RF tracking
3. FM	1st: IF 2nd: RF frequency range 3rd: RF tracking

Location of Main Parts (For SEE Model)



Regulator Adjusting Steps (For SEE Model)

For band	For stages on each band
1. AM (MW)	1st: IF 2nd: RF frequency range 3rd: RF tracking
2. SW	1st: RF frequency range 2nd: RF tracking
3. FM	1st: IF 2nd: RF frequency range 3rd: RF tracking

AM-IF Alignment

Step	Signal source	Set signal to	Alignment indicator	Set radio dial to	Adjust	Adjust for
	Connect to		Connect to			
1	AM IF sweep gen.	Sweep centered 455kHz-LEE, SEE Model 468kHz-UK Model	Oscilloscope	Min. Freq.	CFT101 (AM)	Maximum
	Antenna terminal		AM det. output tab			

MW-RF Alignment

Step	Signal source	Set signal to	Alignment indicator	Set radio dial to	Adjust	Adjust for
	Connect to		Connect to			
1	AM signal gen.	MW 515 kHz (Modulated)	V.T.V.M.	515 kHz (Low end)	L107 (OSC coil)	Maximum
	Antenna terminal		AM det. output tab			
2	Antenna terminal	1650 kHz (Modulated)	AM det. output tab	1650 kHz (High end)	TC-4 (OSC trim.)	Maximum
3	(Repeat steps 1 and 2 to obtain frequency range.)					
4	Antenna terminal	600 kHz (Modulated)	AM det. output tab	600 kHz	L105 (ANT coil)	Maximum
5	Antenna terminal	1400 kHz (Modulated)	AM det. output tab	1400 kHz	TC-3 (ANT trim.)	Maximum
6	(Repeat steps 4 and 5 to minimize tracking error, and also step 3 if necessary)					

SW-RF Alignment (SEE model only)

Step	Signal source	Set signal to	Alignment indicator	Set radio dial to	Adjust	Adjust for
	Connect to		Connect to			
1	AM signal gen.	SW 5.8 MHz (Modulated)	V.T.V.M.	5.8 MHz (Low end)	L106 (OSC coil)	Maximum
	Antenna terminal		AM det. output tab			
2	Antenna terminal	18.5 MHz (Modulated)	AM det. output tab	18.5 MHz (High end)	TC-6 (OSC trim.)	Maximum
3	(Repeat steps 1 and 2 to obtain frequency range.)					
4	Antenna terminal	6.5 MHz (Modulated)	AM det. output tab	6.5 MHz	L104 (ANT coil)	Maximum
5	Antenna terminal	18.0 MHz (Modulated)	AM det. output tab	18.0 MHz	TC-5 (ANT trim.)	Maximum
6	(Repeat steps 4 and 5 to minimize tracking error, and also step 3 if necessary)					

LW-RF Alignment (LEE, UK model only)

Step	Signal source	Set signal to	Alignment indicator	Set radio dial to	Adjust	Adjust for
	Connect to		Connect to			
1	AM signal gen.	LW 145 kHz (Modulated)	V.T.V.M.	145 kHz (Low end)	L106 (OSC coil)	Maximum
	Antenna terminal		AM det. output tab			
2	Antenna terminal	310 kHz (Modulated)	AM det. output tab	310 kHz (High end)	TC-6 (OSC trim.)	Maximum
3	(Repeat steps 1 and 2 to obtain frequency range.)					
4	Antenna terminal	150 kHz (Modulated)	AM det. output tab	150 kHz	L104 (ANT coil)	Maximum
5	Antenna terminal	300 kHz (Modulated)	AM det. output tab	300 kHz	TC-5 (ANT trim.)	Maximum
6	(Repeat steps 4 and 5 to minimize tracking error, and also step 3 if necessary.)					

FM-IF Alignment

Step	Signal source	Set signal to	Alignment indicator	Set radio dial to	Adjust	Adjust for
	Connect to		Connect to			
1	FM IF sweep gen.	Sweep centered 10.7 MHz	Oscilloscope	Max. Freq.	IFT101 IFT102	Max. Symmetrical response, equal heights
	Antenna terminal		FM det. output tab			
2	Antenna terminal	Sweep centered 10.7 MHz	FM det. output tab	Max. Freq.	IFT103 IFT104	Symmetrical response, centered 10.7 MHz
3	(Repeat 1 and 2 to obtain a balanced "S" curve linearity.)					

FM-RF Alignment

Step	Signal source	Set signal to	Alignment indicator	Set radio dial to	Adjust	Adjust for
	Connect to		Connect to			
1	FM signal gen.	88 MHz (Modulated)	V.T.V.M.	88 MHz	L103 (OSC coil)	Maximum
	Antenna terminal		FM det. output tab			
2	Antenna terminal	108 MHz (Modulated)	FM det. output tab	108 MHz	TC-2 (OSC trim.)	Maximum
3	(Repeat steps 1 and 2 to obtain frequency range.)					
4	Antenna terminal	88 MHz (Modulated)	FM det. output tab	88 MHz	L101 (ANT coil)	Maximum
5	Antenna terminal	108 MHz (Modulated)	FM det. output tab	108 MHz	TC-1 (ANT trim)	Maximum
6	(Repeat steps 4 and 5 to minimize tracking error, and step 3 if necessary.)					

How to change the upper limit of FM frequency range from 107 MHz to 103 MHz.

Symbol No.	Description	107 MHz		103 MHz	
L103	FM Coil	1½ t	87-006-016-01	1½ t	87-006-015-01
C120	Ceramic Capacitor	10PF	88-212-100-01	14PF	88-212-140-01
C110	Ceramic Capacitor	6PF	88-212-060-01	14PF	88-212-140-01

MODEL TPR-910LEE,SEE,UK

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MPX Adjustment

Adjustment Conditions	
Carrier frequency	96MHz
Input Signal	54dB
Modulation frequency	1kHz
Modulation	100%

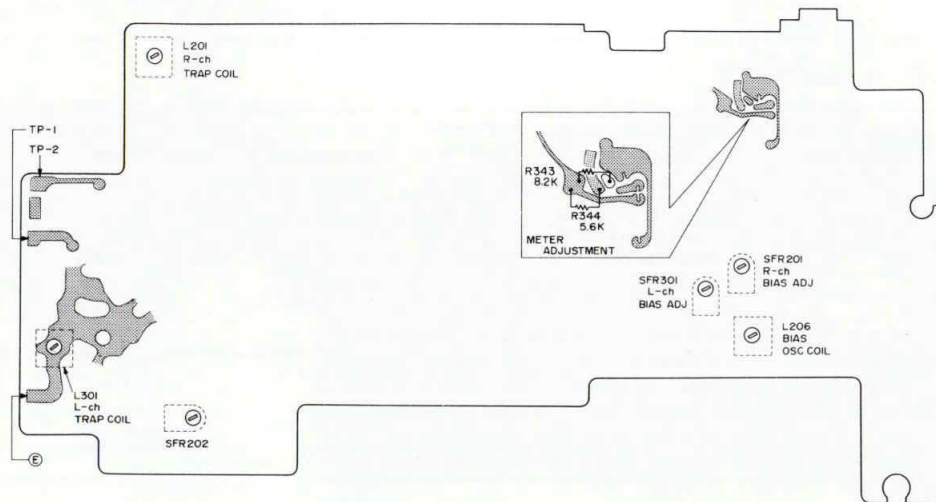
MODE switch to STEREO; input applied to FM ANT INPUT: LINE OUT output employed.

Adjustment:
Adjust separation trimmer resistor SFR-101 for optimum separation
After adjustment, confirm that stereo indicator lights.

TAPE RECORDER ADJUSTMENTS

ELECTRICAL SECTION

■ Location of Main Part



■ **PLAYBACK ADJUSTMENTS**

- **Conditions:**
FUNCTION TAPE MODE STEREO

Adjustment Item	Tape Selector	Test Tape	Adjustment Location	Specification
Azimuth	NORMAL	TTA-117D	Rec./Pb. head azimuth screw	8 kHz portion output maximum for both L & R channels
Tape Speed	NORMAL	TTA-111A	Speed semi-fixed resistor in motor	3 kHz ± 1%

Meter Voltage Indication Adjustment

- 1) Adjust regulated DC power supply to 5.6V and apply to the DC jack of the set.
- 2) With pattern connection, adjust for indication within the yellow and red limits inside the meter during playback.

■ **RECORDING ADJUSTMENTS**

- **Conditions:**
FUNCTION TAPE MODE STEREO

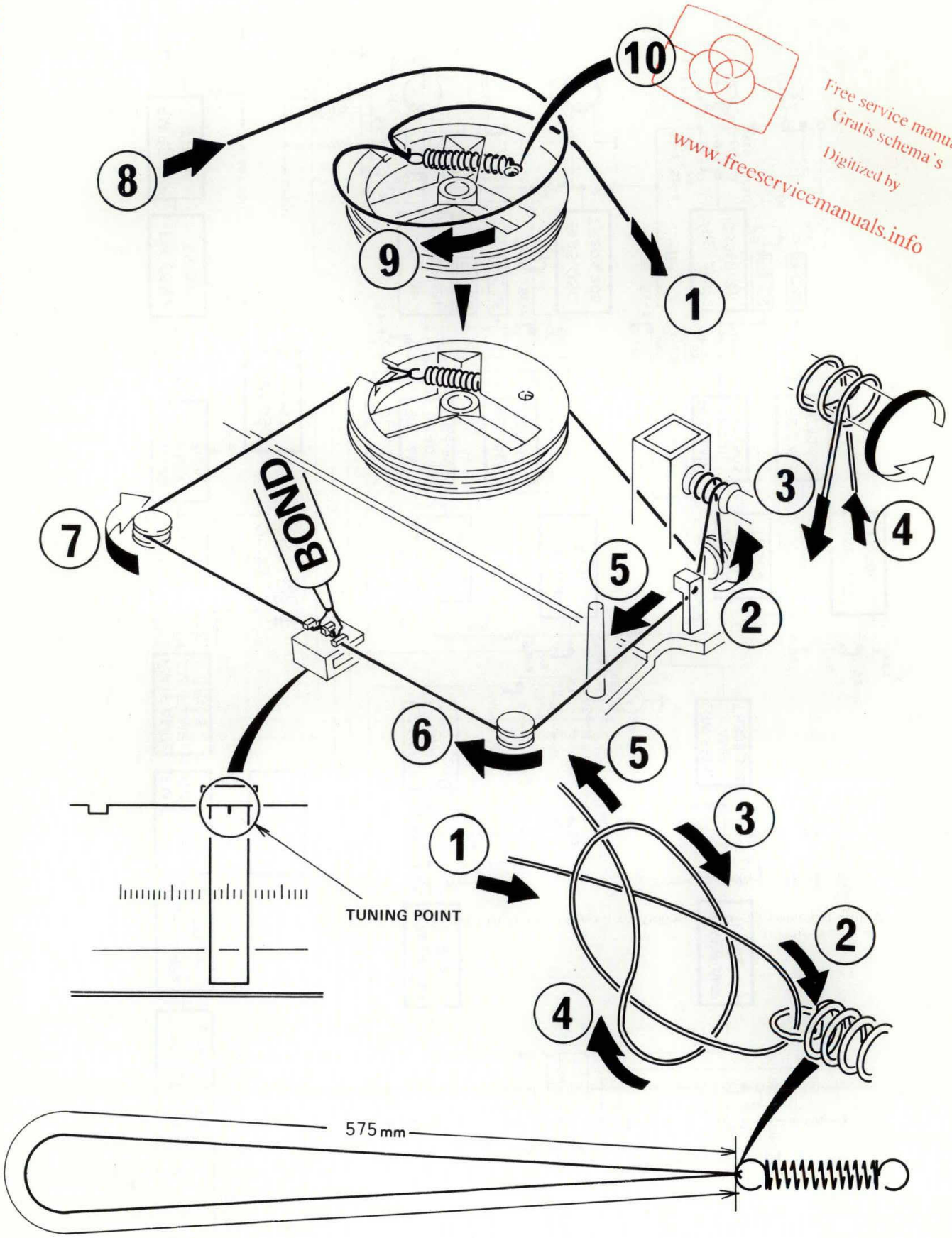
Adjustment Item	Test Point	Adjustment Location	Specification
Bias Osc Frequency	TP-3	L206	OSC switch
			"· ·" Position: 48.5 kHz
			"—" Position: 47.4 kHz ± 0.3 kHz
Bias Trap Coil	L-ch TP-1	L301	Adjust for minimum voltage at test point
	R-ch TP-2	L201	
Bias Current	L-ch TP-1	SFR301	6 mV (600 μA) at test point
	R-ch TP-2	SFR201	

MIWA

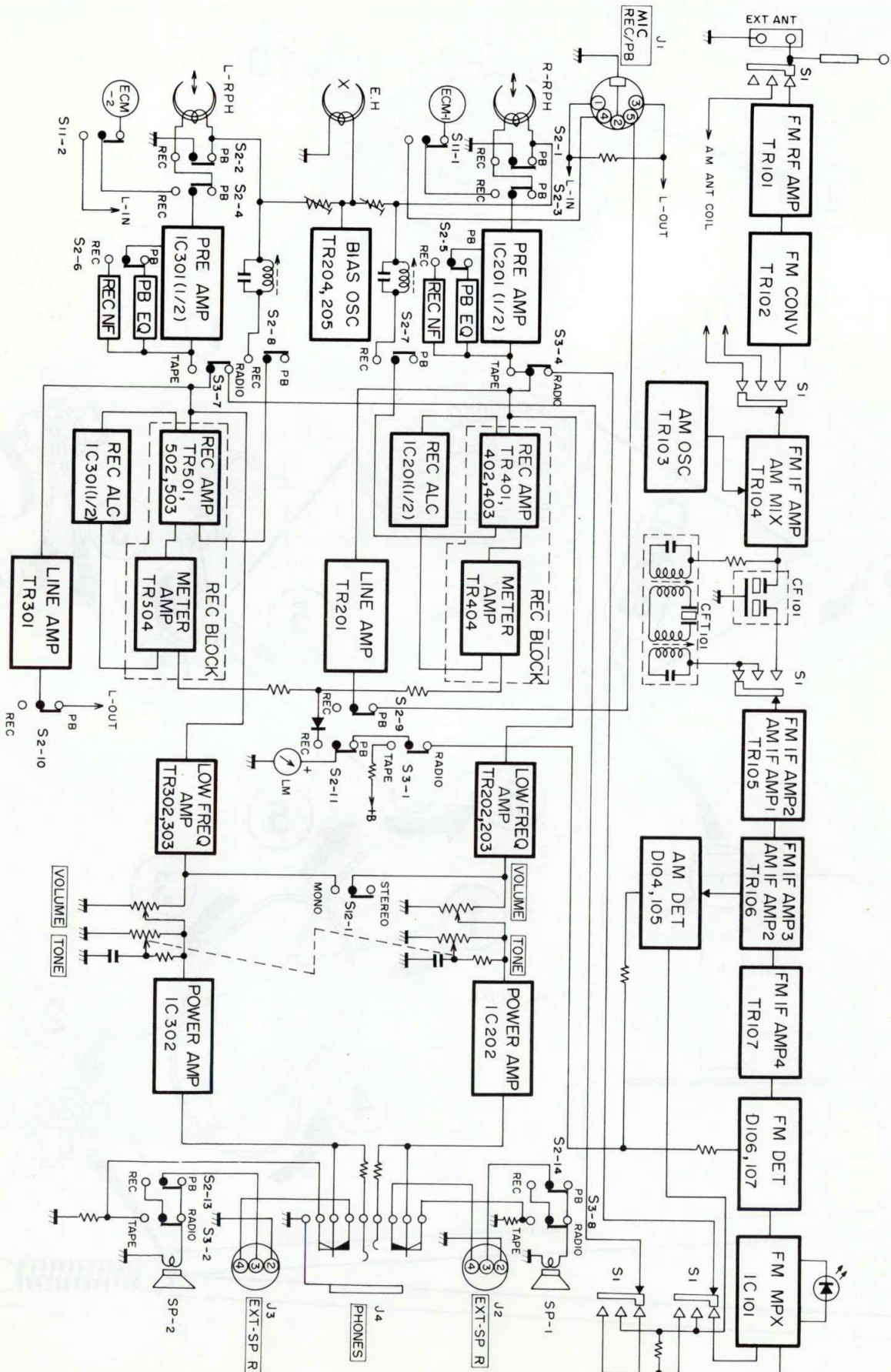
DIAL CORD STRINGING

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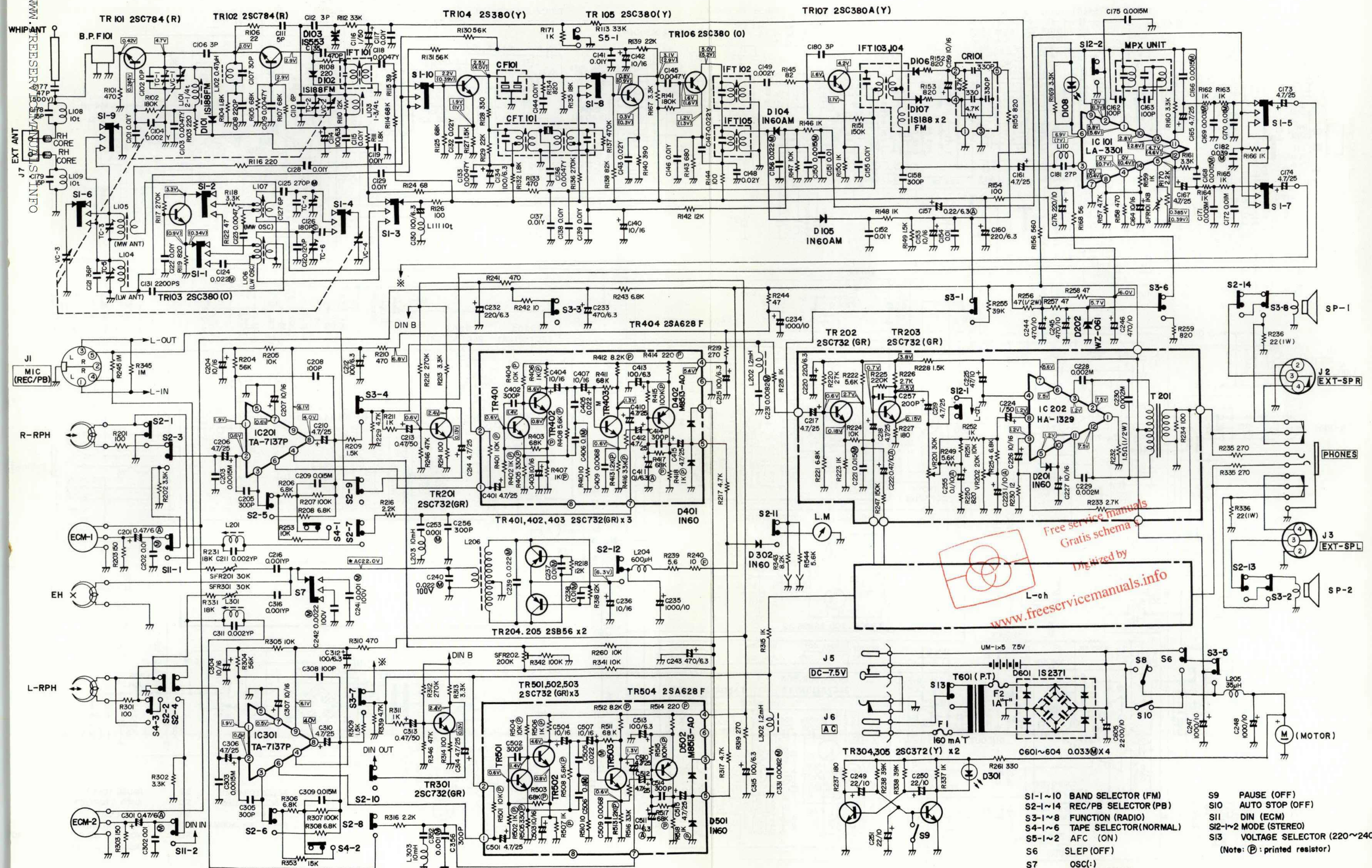
BLOCK DIAGRAM



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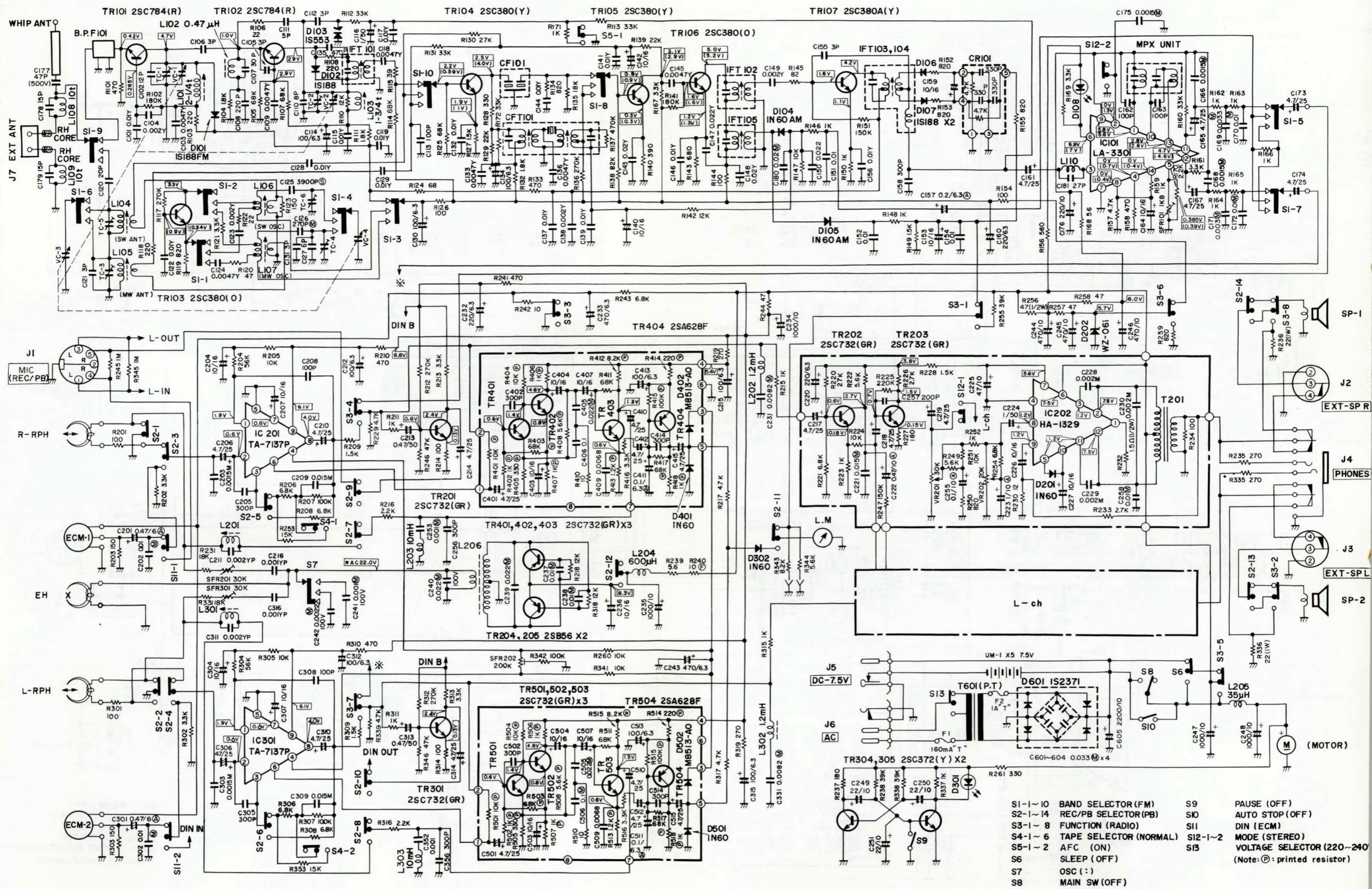
AIWA

SCHEMATIC DIAGRAM - LEE



- S1-1~10 BAND SELECTOR (FM)
 - S2-1~14 REC/PB SELECTOR (PB)
 - S3-1~8 FUNCTION (RADIO)
 - S4-1~6 TAPE SELECTOR(NORMAL)
 - S5-1~2 AFC (ON)
 - S6 SLEP (OFF)
 - S7 OSC(-)
 - S8 MAIN SW (OFF)
 - S9 PAUSE (OFF)
 - S10 AUTO STOP (OFF)
 - S11 DIN (ECM)
 - S12-1~2 MODE (STEREO)
 - S13 VOLTAGE SELECTOR (220~240V)
- (Note: (P) : printed resistor)

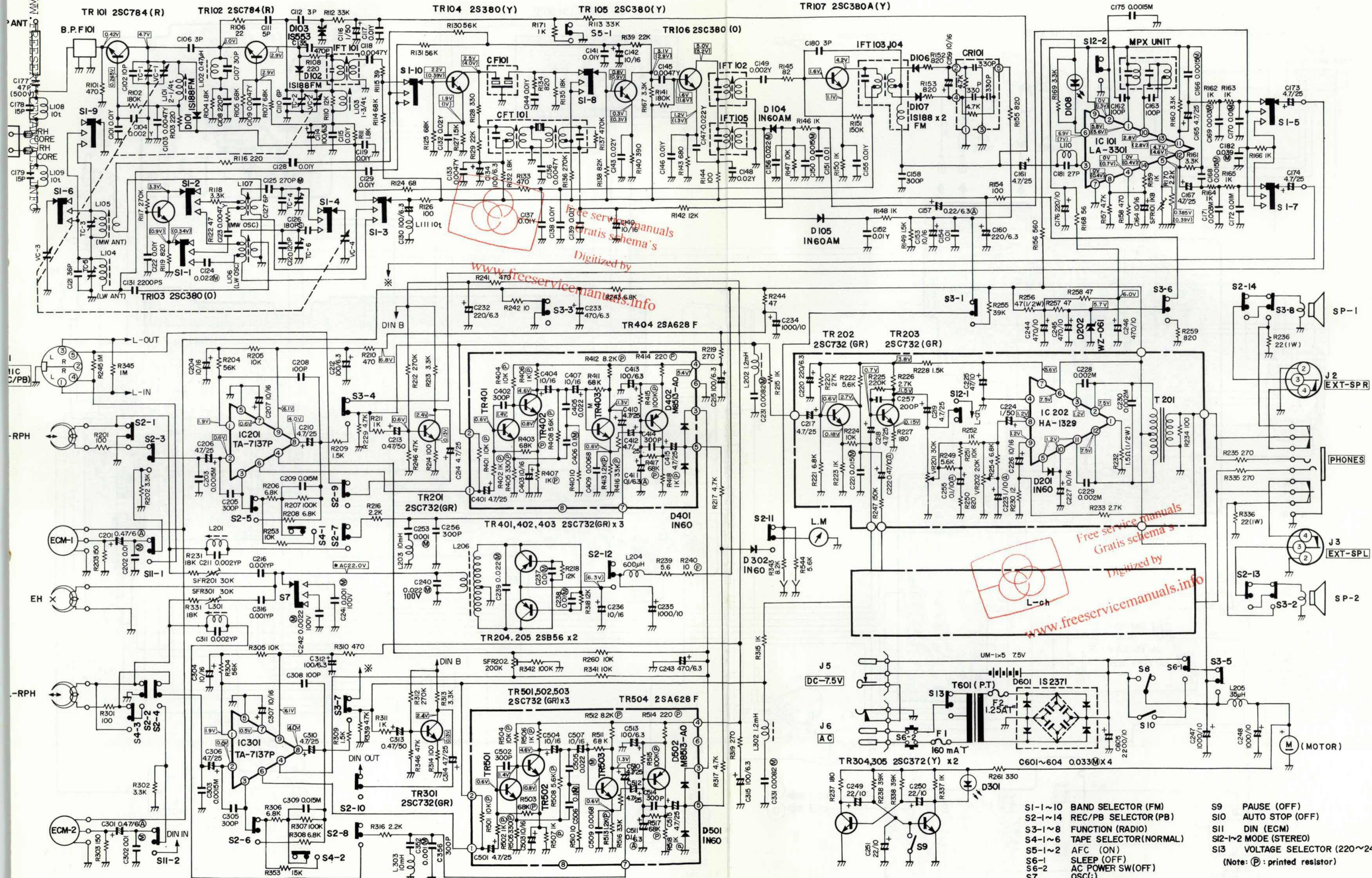
SCHEMATIC DIAGRAM - SEE



- S1-1-10 BAND SELECTOR (FM)
- S2-1-14 REC/PB SELECTOR (PB)
- S3-1-8 FUNCTION (RADIO)
- S4-1-6 TAPE SELECTOR (NORMAL)
- S5-1-2 AFC (ON)
- S6 SLEEP (OFF)
- S7 OSC (·)
- S8 MAIN SW (OFF)
- S9 PAUSE (OFF)
- S10 AUTO STOP (OFF)
- S11 DIN (ECM)
- S12-1-2 MODE (STEREO)
- S13 VOLTAGE SELECTOR (220~240)
- (Note: ⊕: printed resistor)

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SCHEMATIC DIAGRAM - UK

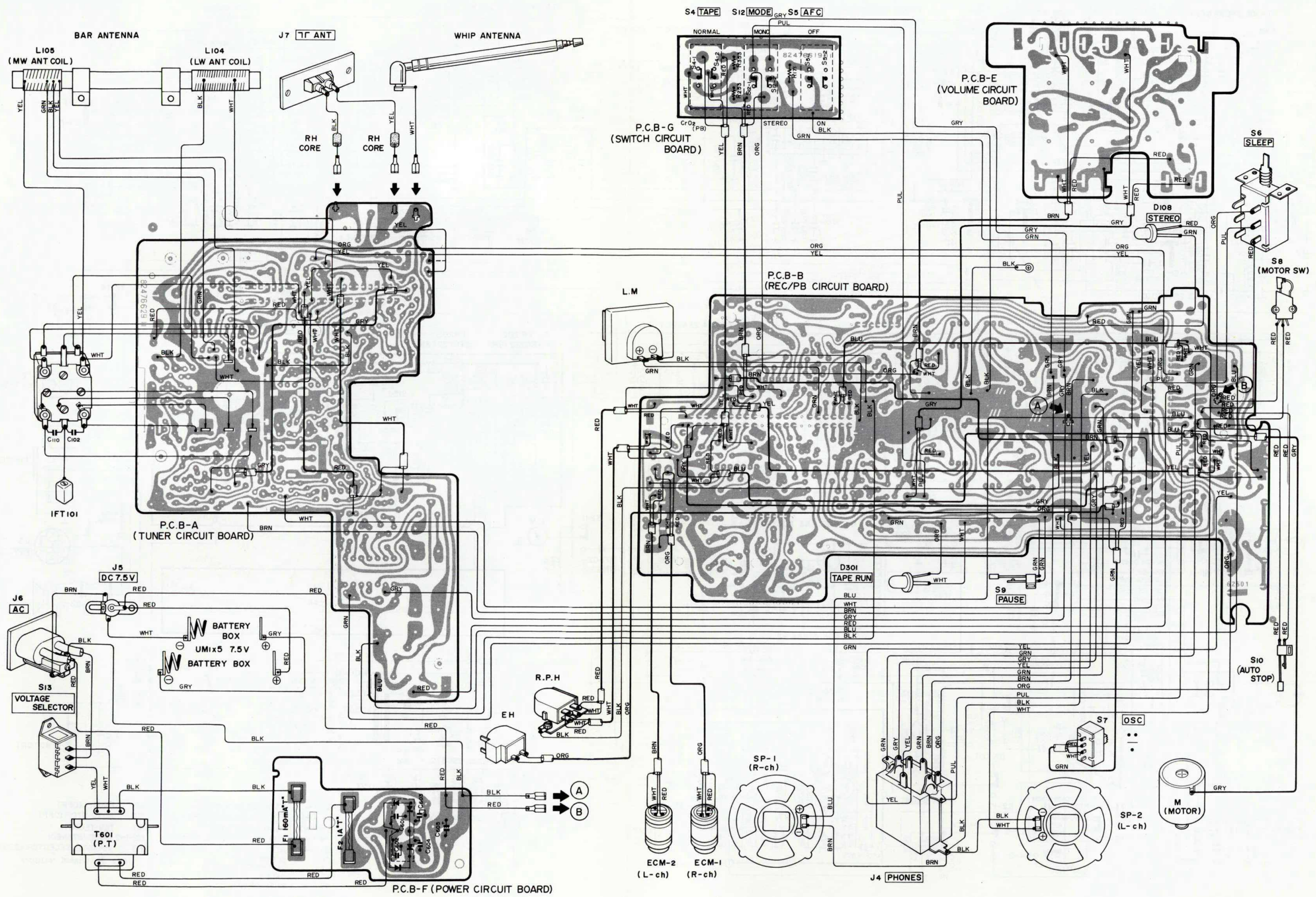


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- SI-1~10 BAND SELECTOR (FM)
 - SI-1~14 REC/PB SELECTOR (PB)
 - S3-1~8 FUNCTION (RADIO)
 - S4-1~6 TAPE SELECTOR(NORMAL)
 - S5-1~2 AFC (ON)
 - S6-1 SLEEP (OFF)
 - S6-2 AC POWER SW(OFF)
 - S7 OSC(-)
 - S8 MAIN SW (OFF)
 - S9 PAUSE (OFF)
 - S10 AUTO STOP (OFF)
 - S11 DIN (ECM)
 - SI2-1~2 MODE (STEREO)
 - SI3 VOLTAGE SELECTOR (220~240V)
- (Note: (P) : printed resistor)

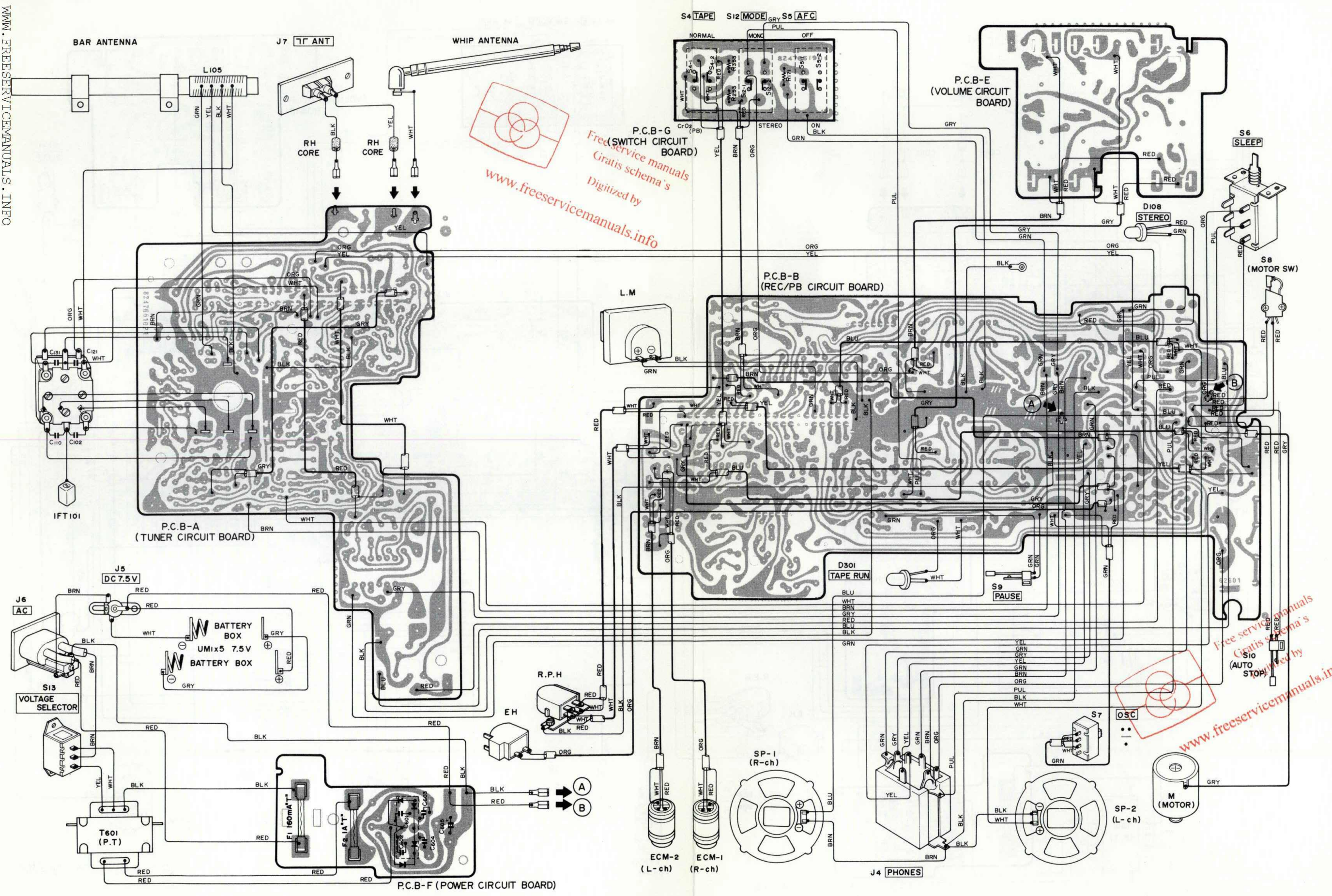
WIRING - LEE



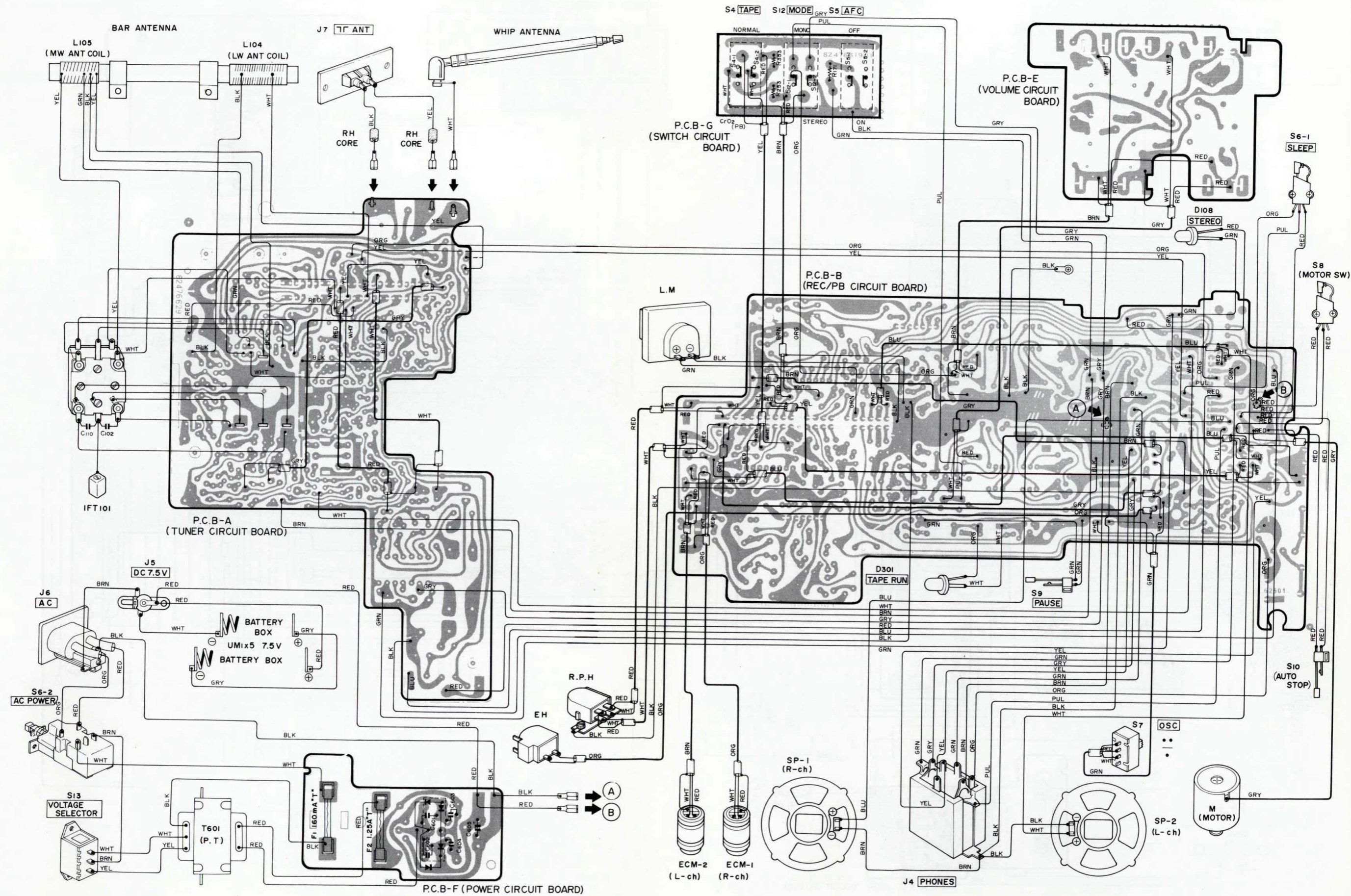
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WIRING - SEE

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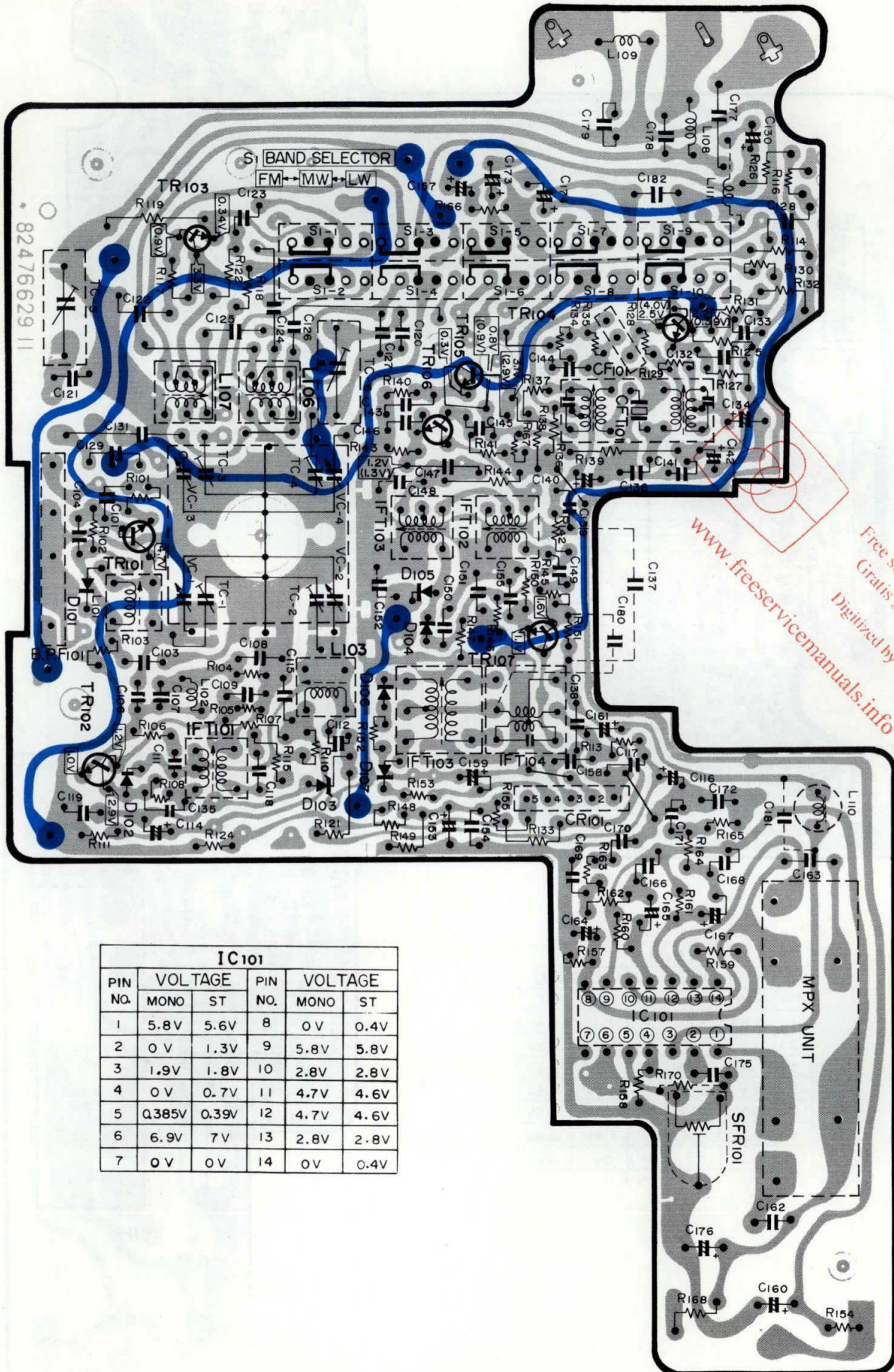
WIRING - UK



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TUNER CIRCUIT BOARD - LEE, UK

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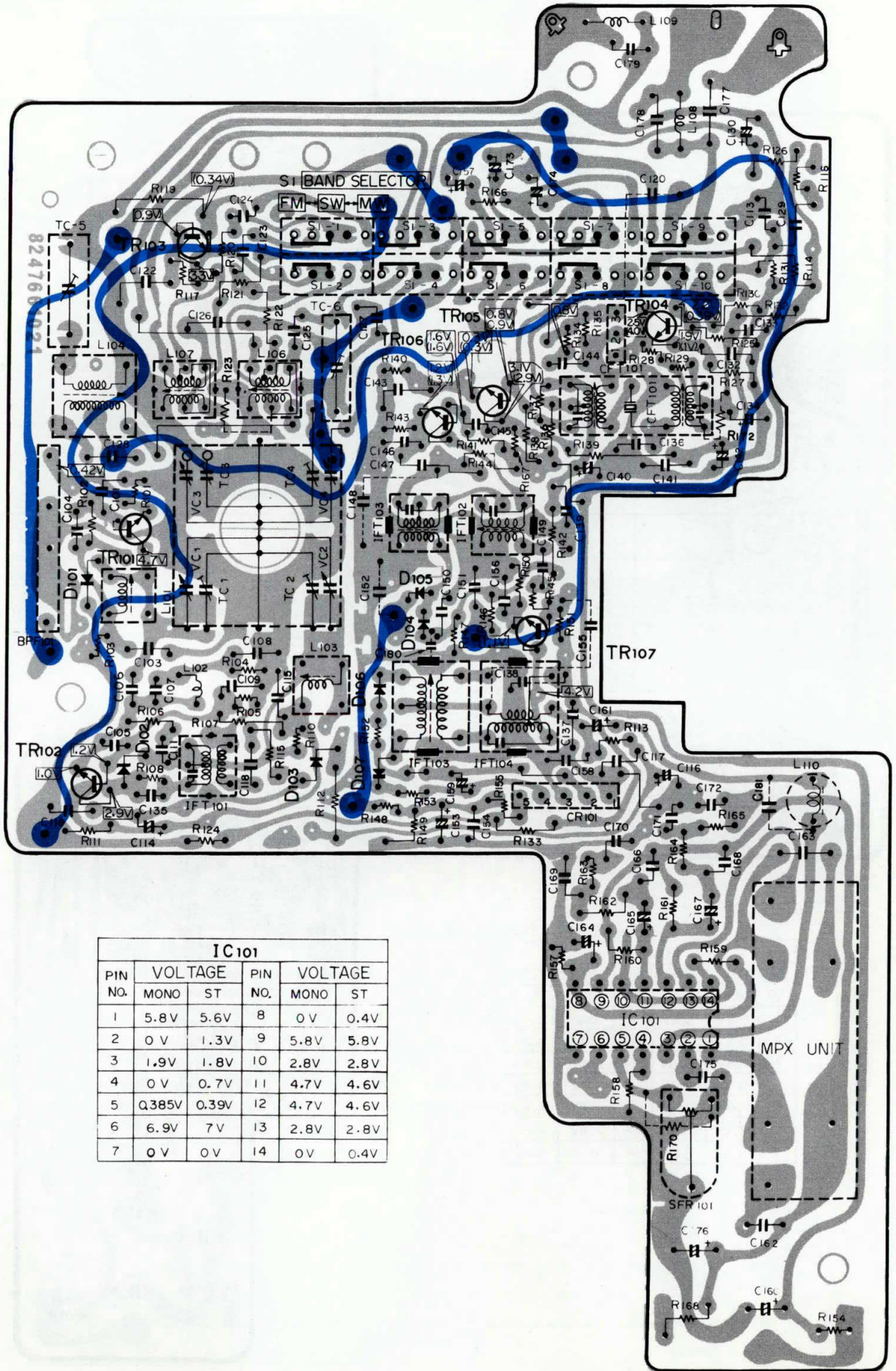


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IC101					
PIN NO.	VOLTAGE		PIN NO.	VOLTAGE	
	MONO	ST		MONO	ST
1	5.8V	5.6V	8	0V	0.4V
2	0V	1.3V	9	5.8V	5.8V
3	1.9V	1.8V	10	2.8V	2.8V
4	0V	0.7V	11	4.7V	4.6V
5	0.385V	0.39V	12	4.7V	4.6V
6	6.9V	7V	13	2.8V	2.8V
7	0V	0V	14	0V	0.4V

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TUNER CIRCUIT BOARD – SEE

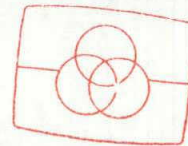
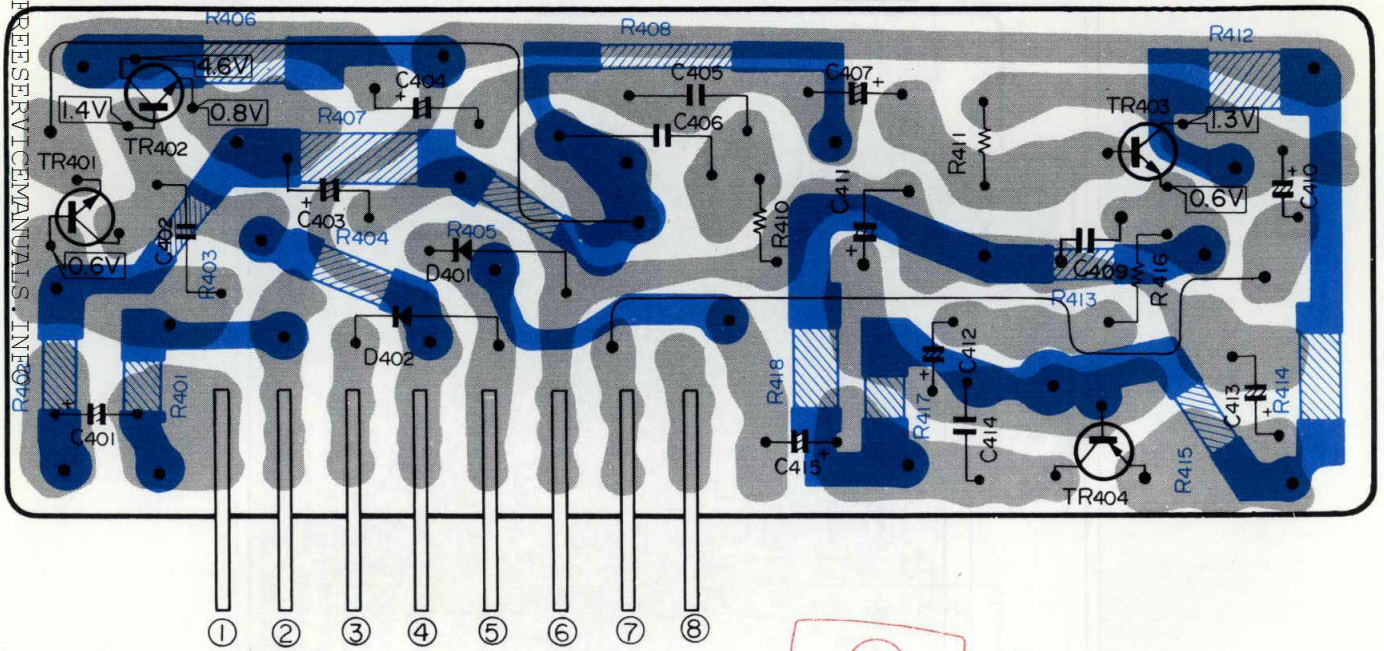


IC101					
PIN NO.	VOLTAGE		PIN NO.	VOLTAGE	
	MONO	ST		MONO	ST
1	5.8V	5.6V	8	0V	0.4V
2	0V	1.3V	9	5.8V	5.8V
3	1.9V	1.8V	10	2.8V	2.8V
4	0V	0.7V	11	4.7V	4.6V
5	0.385V	0.39V	12	4.7V	4.6V
6	6.9V	7V	13	2.8V	2.8V
7	0V	0V	14	0V	0.4V

AIWA

REC BLOCK CIRCUIT BOARD

P.C.B-C (REC BLOCK CIRCUIT BOARD) Rch



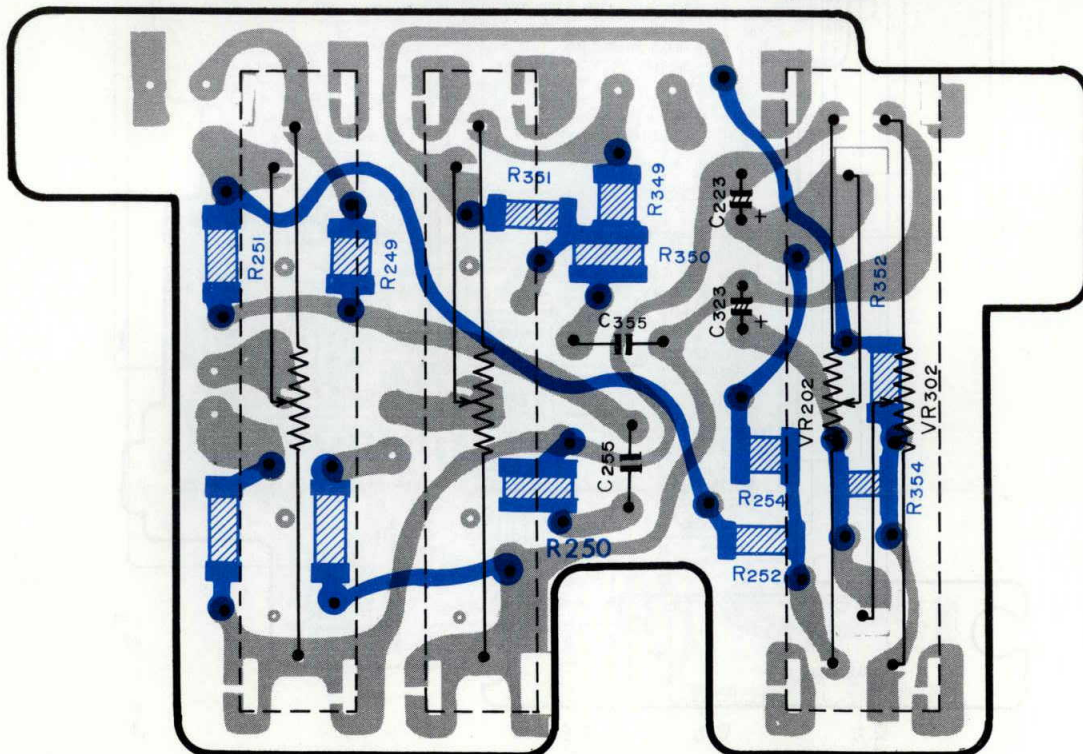
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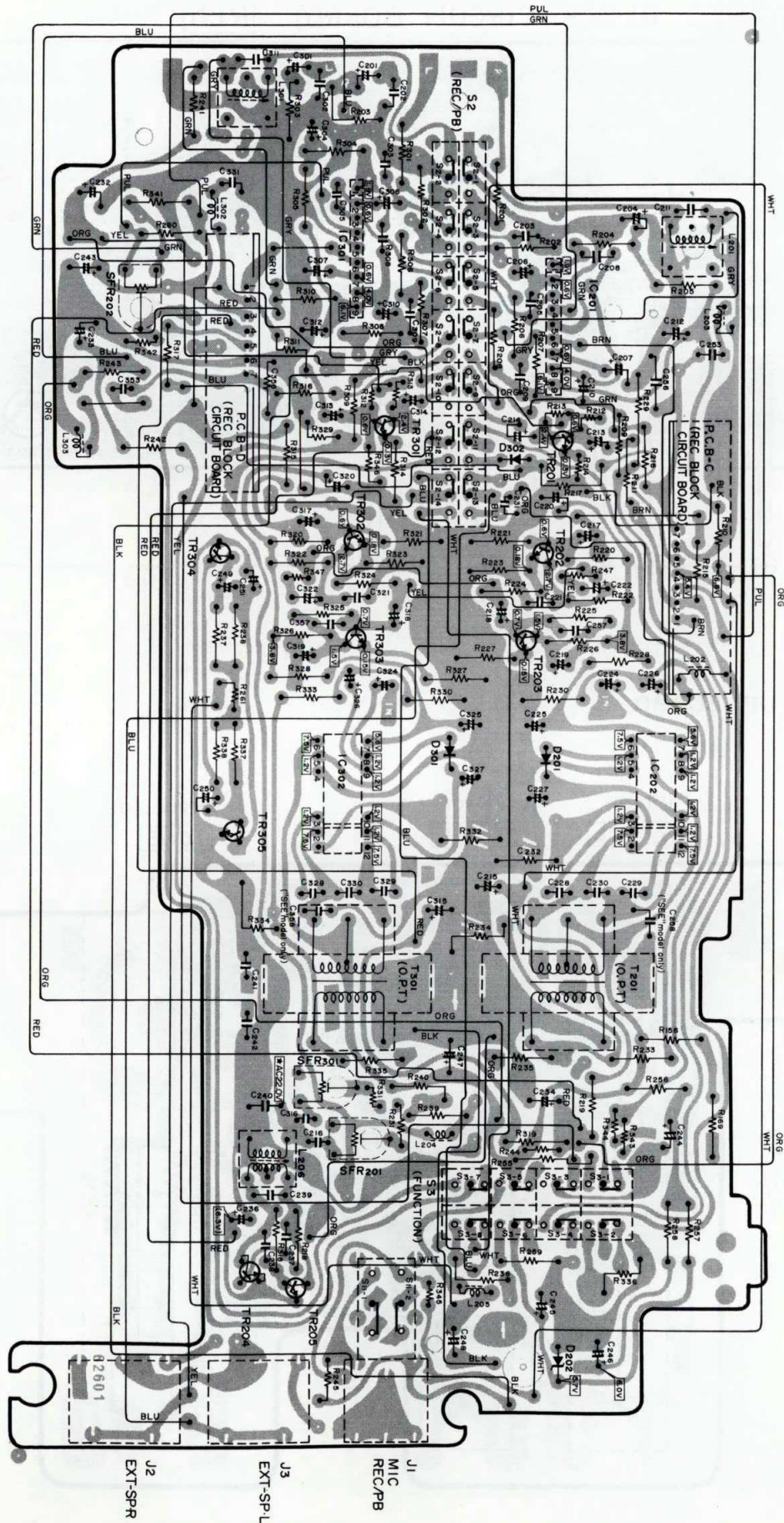
VOLUME CIRCUIT BOARD

VR201 VR301 VR202,302
 R-VOL L-VOL TONE



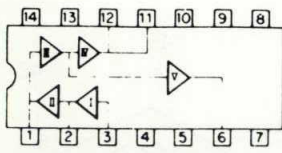
P.C.B-E (VOLUME CIRCUIT BOARD)

REC/PB CIRCUIT BOARD

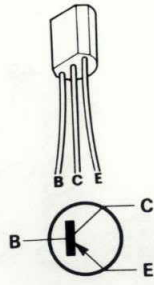


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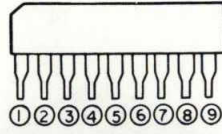
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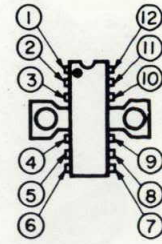
LA-3301



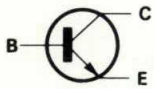
2SA628



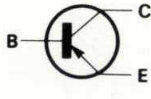
TA-7137P



HA-1329



2SC784
2SC380
2SC732
2SC372



2SB56



1S188
1N60



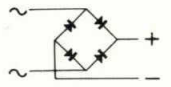
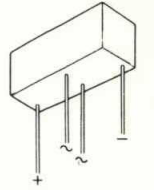
M8513A-0



WZ061



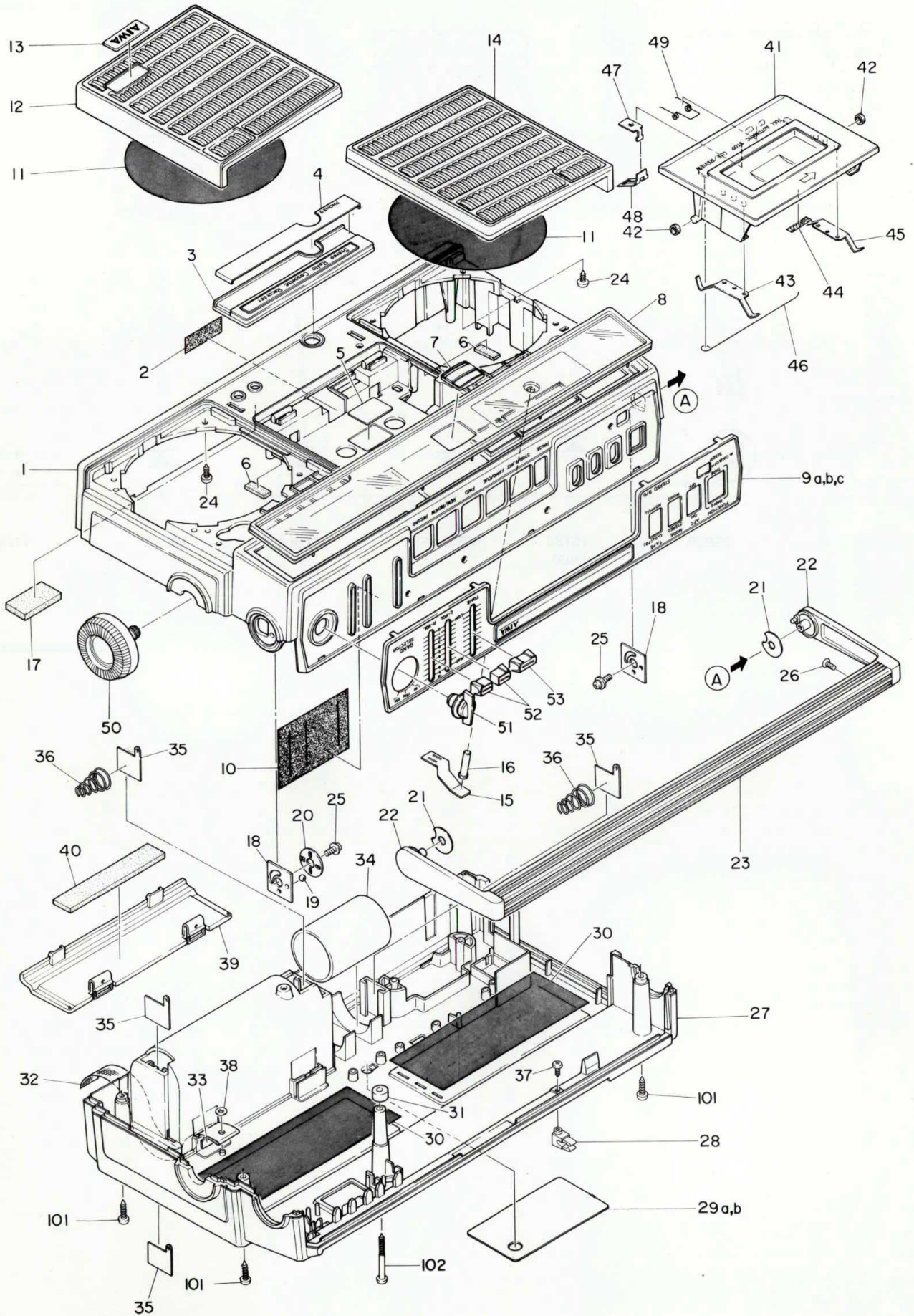
1S553



IS2371

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EXPLODED VIEW-1

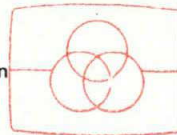


PARTS LIST

MECHANICAL PARTS

■ * mark in this part list shows exclusive part (which is used) for only Model TPR-910.

Ref. No.	Part No.	Part No. Changed to	Description	Common Model	Q'ty
1~40	80-004-760-4L		Cabinet Assembly-"LEE" model (Main case ass'y + Back cover ass'y + Battery room lid ass'y)		
1~40	80-004-760-4S		Cabinet Assembly-"SEE" model (Main case ass'y + Back cover ass'y + Battery room lid ass'y)		
1~40	80-004-760-01		Cabinet Assembly-"UK" model only (Main case ass'y + Back cover ass'y + Battery room lid ass'y)		
1~26	80-004-761-4L		Main case ass'y-LEE model only		
1~26	80-004-761-4S		Main case ass'y-SEE model only		
1~26	80-004-761-01		Main case ass'y-UK model only		
1-1	82-476-001-01		Case proper	*	1
1-2	87-063-045-01		H cushion 2		1
1-3	82-476-037-01		Name plate, Front	*	1
1-4	82-476-024-01		Decorative plate, Front	*	1
1-5	82-277-024-01		Label, Tape indicator		1
1-6	82-439-060-01		Felt, Indicator	TPR-300	2
1-7	82-476-032-01		Badge, STEREO	*	1
1-8	82-476-004-01		Window, Tuning dial	*	1
1-9a	82-476-039-01		Decorative plate, Top (LEE model only)	*	1
1-9b	82-476-038-01		Decorative plate, Top (SEE model only)	*	1
1-9c	82-476-049-01		Decorative plate, Top (UK model only)	*	1
1-10	82-476-219-01		Himeron cloth, Volume		
1-11	82-283-310-01		Dustscreen cloth, Speaker		2
1-12	82-463-065-01		Grille R, Speaker	TPR-900	1
1-13	87-054-066-01		Badge, AIWA		1
1-14	82-463-066-01		Grille L, Speaker	TPR-900	1
1-15	82-476-215-01		Plate spring, Reset button	* * *	1
1-16	82-476-022-01		Reset button	*	1
1-17	93-464-154-01		Cushion, Battery		1
1-18	82-429-225-01		Click plate	TPR-900	1
1-19	87-073-006-01		Steel ball, 3φ		1
1-20	82-429-257-01		Click washer	TPR-107	1
1-21	82-428-365-01		Poly-slider washer		2
1-22	82-429-014-01		Metal fitting, Carrying handle	TPR-107	2
1-23	82-463-026-01		Carrying handle	TPR-900	1
1-24	87-341-016-01		UT ₁ + 3-10		2
1-25	87-490-094-01		VWS + 3-6		2
1-26	87-233-095-01		Q + 3-8		2
27~38	80-004-762-4L		Back cover ass'y-LEE model only		1
27~38	80-004-762-4S		Back cover ass'y-SEE model only		1
27~38	80-004-762-01		Back cover ass'y-UK model only		1
1-27	82-476-027-01		Back cover	*	1
1-28	81-403-212-01		Holder, Whip antenna		1
1-29a	82-476-044-01		Name plate, Spec. (LEE, SEE model only)		1
1-29b	82-476-036-01		Name plate, Spec. (UK model only)		1
1-30	82-463-029-01		Dustscreen cloth, Back cover	TPR-900	2
1-31	82-476-212-01		Spacer, Case	*	1
1-32	82-412-243-01		Ribbon		1
1-33	82-409-206-01		Stopper B, Carrying handle		1
1-34	82-463-215-01		Battery case	TPR-900	1
1-35	87-038-032-01		Terminal plate, Battery		3
1-36	82-222-036-01		Spring, Battery		2
1-37	87-351-074-01		VT ₁ + 2.6-8		1
1-38	87-081-015-01		FW3-8-0.5		1
39~40	80-004-763-41		Battery room lid ass'y		
1-39	82-476-028-01		Battery room lid	TPR-101	1
1-40	82-416-260-01		Cushion, Battery room lid		1
41~49	80-004-767-41		Cassette lid ass'y		
1-41	82-476-002-01		Cassette lid	*	1
1-42	82-461-319-01		Cushion A, Cassette lid	TPR-930	2
1-43	82-432-238-11		Plate spring L, Cassette lid	TPR-212	1
1-44	82-439-413-01		Cushion B, Cassette lid	TPR-300	1
1-45	82-432-239-01		Plate spring R, Cassette lid	TPR-212	1
1-46	82-461-360-01		Plate spring, Slide plate	TPR-930	1
1-47	82-429-260-01		Slide plate, Cassette	TPR-107	1
1-48	82-429-261-01		Plate spring A, Cassette lock	TPR-107	1
1-49	82-476-224-01		Spring, Cassette lid	*	1
1-50	82-463-067-01		Tuning knob ass'y	TPR-900	1
1-51	82-476-011-01		Selector knob ass'y	*	1
1-52	82-476-009-01		Slide knob A	*	2
1-53	82-476-010-01		Slide knob B	*	1



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* Gratis schema's

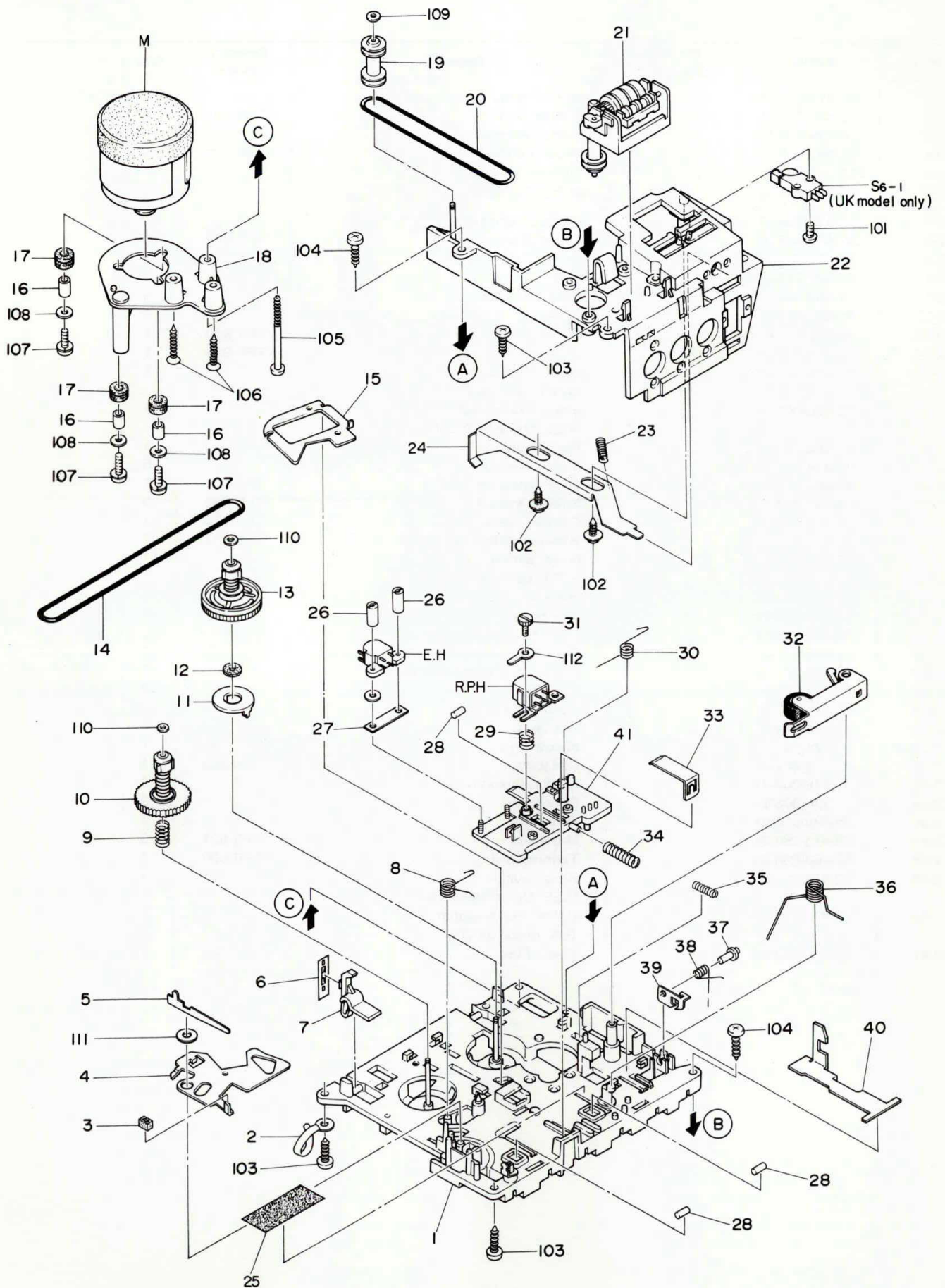
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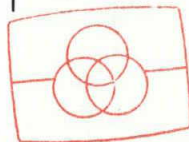
Ref. No.	Part No.	Part No. Changed to	Description	Common Model	Q'ty
2-1	82-412-013-01		Whip antenna		1
2-2	82-439-062-01		Rubber, Coil	TPR-300	1
2-3	82-476-029-01		Holder, Antenna	*	1
2-4	82-442-219-01		Cover, Voltage selector switch	TPR-215	1
2-5	93-464-154-01		Cushion, Battery		1
2-6	87-096-048-01		String, Tuning dial		575 mm
2-7	82-476-008-01		Pointer, Tuning dial	*	1
2-8	82-422-294-01		Spring, Drum	TPR-203	1
2-9	82-422-203-01		Drum, Tuning dial	TPR-203	1
2-10	82-463-248-01		Shaft, Tuning	TPR-900	1
2-11	87-064-063-01		Holder A, ECM		2
2-12	81-385-014-01		Roller		3
2-13	82-463-227-01		Shaft, Tuning roller	TPR-900	1
2-14	82-463-201-01		Chassis R	TPR-900	1
2-15a	82-476-042-01		Board, Tuning dial	*	1
2-15b	82-476-041-01		Board, Tuning dial (LEE, UK models only)	*	1
2-16	82-463-216-01		Rubber cushion	TPR-900	1
2-17	82-274-222-01		Metal fitting, Speaker		6
2-18	82-463-212-01		Metal fitting, Jack	TPR-900	1
2-19	82-439-053-01		Selector knob A	TPR-300	3
2-20	82-463-261-01		Cushion, Meter	TPR-900	1
2-21	82-422-236-01		Himeron cloth, Cassette lid	TPR-203	1
2-22	82-476-025-01		Power button	*	1
2-23	82-476-020-01		R/T knob ass'y	*	1
2-24	82-463-247-01		Himeron cloth, Switch	TPR-900	1
2-25	82-476-048-01		Jack board	*	1
2-26	82-476-210-01		REC changeable lever	*	1
2-27	82-476-209-01		Shaft, REC changeable lever	*	1
2-28	82-476-221-01		Spring, REC changeable lever	*	1
2-29	87-063-051-01		M cushion 5		3
2-30	87-081-483-01		Motor screw, M2.6		2
2-31	82-476-214-01		R/T lever	*	1
2-32	82-422-281-01		M cushion B	TPR-203	1
2-33	82-422-231-01		Dial joint	TPR-203	1
2-34	82-476-203-01		Holder, Circuit board	*	1
2-35	81-175-008-01		Core holder		2
2-36	87-038-039-01		Wire binder		1
2-37	82-416-260-01		M cushion	TPR-601	3
2-38	82-463-088-01		Terminal plate	TPR-900	1
2-39	82-415-269-01		B plate rubber		1
2-40	82-476-229-01		(LEE, UK models only) Holder, Power switch	*	1
2-41	82-435-212-01		(UK model only) Cover, Fuse	TPR-100	1

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EXPLODED VIEW-3



Ref. No.	Part No.	Part No. Changed to	Description	Common Model	Q'ty
3-1	09-047-650-00		Chassis ass'y		1
3-2	87-038-039-01		Wire binder		1
3-3	82-439-302-01		Switch pad	TPR-300	1
3-4	82-439-235-01		REC lock lever	TPR-300	1
3-5	82-439-604-01		Leaf switch	TPR-300	1
3-6	82-439-262-01		Plate spring, REC blocking lever	TPR-300	1
3-7	82-439-261-01		REC blocking lever	TPR-300	1
3-8	82-439-289-01		Spring, REC lock lever	TPR-300	1
3-9	82-439-380-01		Spring, Back tension	TPR-300	1
3-10	82-439-216-01		Supply reel platform ass'y	TPR-300	1
3-11	82-439-358-01		Slip disk	TPR-300	1
3-12	82-439-367-01		Felt, 75φ	TPR-300	1
3-13	82-439-208-01		Take-up reel platform ass'y	TPR-300	1
3-14	82-283-379-01		Belt, Counter	TP-770	1
3-15	82-476-232-01		REV lever B	*	1
3-16	87-085-135-01		Bushing		3
3-17	82-416-299-01		Rubber cushion	TPR-601	3
3-18	82-443-232-01		Holder, Motor	TPR-206	1
3-19	82-422-230-01		Pulley, Relay	TPR-203	1
3-20	82-292-276-01		Belt, Main		1
3-21	87-040-086-01		Counter		1
3-22	82-476-202-01		Switch bracket ass'y	*	1
3-23	82-476-231-01		Spring, Power switch (UK model only)	*	1
3-24	82-476-230-01		Push lever, Power switch (UK model only)	*	1
3-25	82-421-239-01		Himeron cloth, Case		1
3-26	82-385-318-01		Nut, 2φ	AD-6300	2
3-27	82-476-217-01		Plate spring, Head adjuster	*	1
3-28	82-439-297-01		Roller, 3φ	TPR-300	3
3-29	82-385-332-01		Spring B, Head adjuster	AD-6300	1
3-30	82-439-285-01		Spring, Pinch lever	TPR-300	1
3-31	82-439-373-01		Shaft, Head adjuster	TPR-300	1
3-32	82-439-364-01		Pinch lever ass'y	TPR-300	1
3-33	82-439-206-01		Plate spring, Moving chassis	TPR-300	1
3-34	82-439-281-01		Spring, Moving chassis	TPR-300	1
3-35	82-439-278-01		Spring, Cassette lock	TPR-300	1
3-36	82-439-277-01		Spring, Play lever	TPR-300	1
3-37	82-439-268-01		Shaft, Lock plate	TPR-300	1
3-38	82-439-275-01		Spring, Lock plate	TPR-300	1
3-39	82-422-225-01		Lock plate	TPR-203	1
3-40	82-439-237-01		Cassette lock lever	TPR-300	1
3-41	82-385-303-01		Moving chassis	AD-6300	1



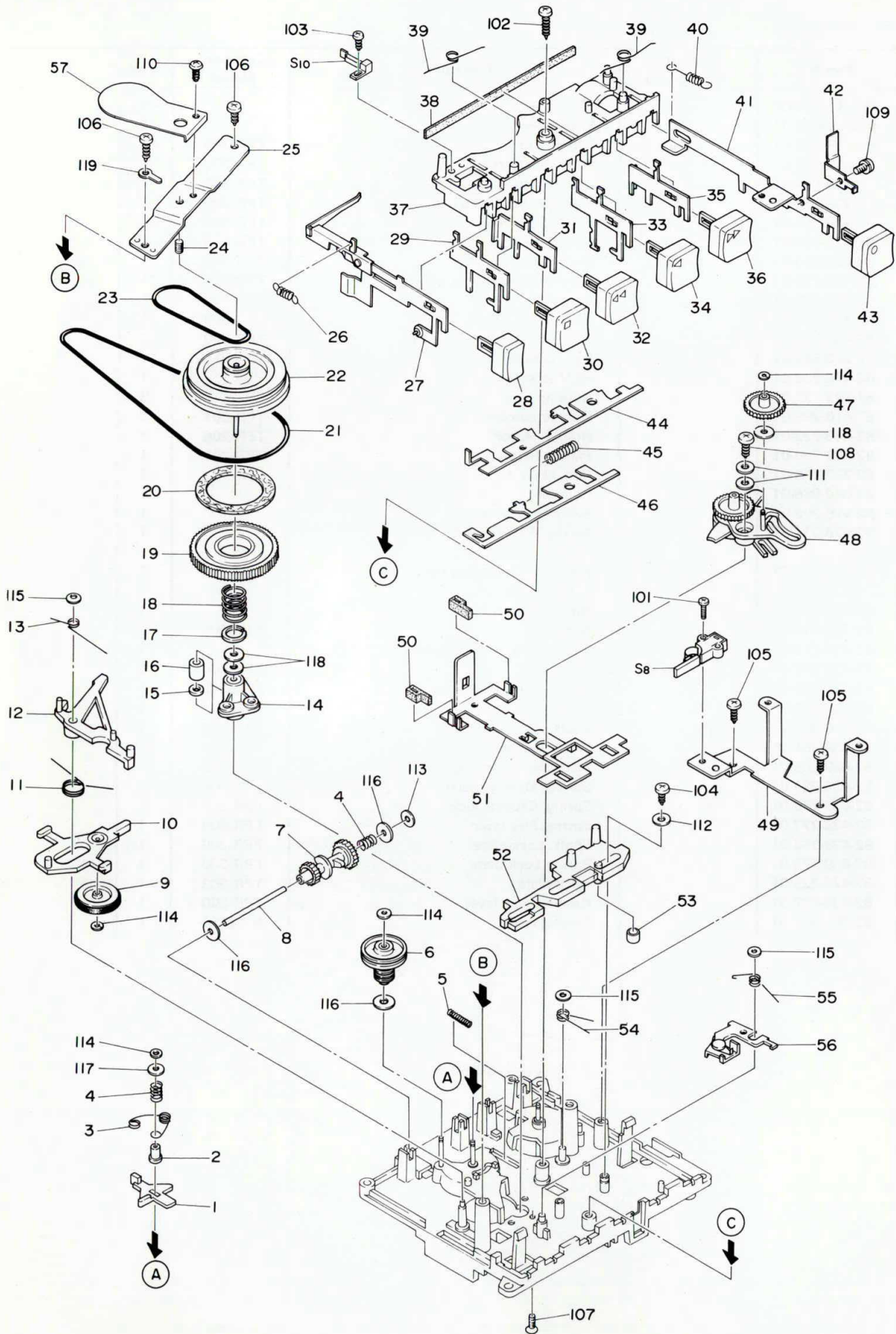
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EXPLODED VIEW-4



Ref. No.	Part No.	Part NO. Changed to	Description	Common Model	Q'ty
4-1	82-439-357-01		Slider	TPR-300	1
4-2	82-439-368-01		Bushing, Slider	TPR-300	1
4-3	82-439-288-01		Spring, Slider	TPR-300	1
4-4	82-439-369-01		Spring, Slip	TPR-300	2
4-5	82-439-371-01		Spring, Blake	TPR-300	1
4-6	82-439-403-01		Worm gear ass'y	TPR-300	1
4-7	82-439-408-01		Worm wheel ass'y	TPR-300	1
4-8	82-439-300-01		Shaft, Worm wheel	TPR-300	1
4-9	82-285-255-01		Play idler ass'y	TP-760	1
4-10	82-439-259-01		Play idler lever	TPR-300	1
4-11	82-439-286-01		Spring, Play idler lever	TPR-300	1
4-12	82-439-255-01		Kick lever	TPR-300	1
4-13	82-439-287-01		Spring, Kick lever	TPR-300	1
4-14	82-439-250-01		Shaft bearing ass'y	TPR-300	1
4-15	82-439-385-01		Oil stopper	TPR-300	1
4-16	82-439-292-01		Drive rubber	TPR-300	1
4-17	82-439-354-01		Washer, 13.4φ	TPR-300	1
4-18	82-439-246-01		Spring, Flywheel	TPR-300	1
4-19	82-439-355-01		Slip gear	TPR-300	1
4-20	82-439-389-01		Felt 24φ	TPR-300	1
4-21	82-443-214-01		Belt, Main	TPR-300	1
4-22	82-439-401-01		Flywheel ass'y	TPR-300	1
4-23	82-439-212-01		Rubber belt	TPR-300	1
4-24	82-346-349-01		Screw for thrust		1
4-25	82-439-405-01		Lower shaft bearing plate	TPR-300	1
4-26	82-439-267-01		Spring, Pause lever	TPR-300	1
4-27	82-439-263-01		Pause lever ass'y	TPR-300	1
4-28	82-439-048-01		PAUSE button	TPR-300	1
4-29	82-439-231-01		Stop lever	TPR-300	1
4-30	82-439-047-01		STOP button	TPR-300	1
4-31	82-439-232-01		FF lever	TPR-300	1
4-32	82-439-044-01		FF button	TPR-300	1
4-33	82-439-345-01		Play lever	TPR-300	1
4-34	82-439-043-01		FWD button	TPR-300	1
4-35	82-439-230-01		REW lever	TPR-300	1
4-36	82-439-045-01		REW button	TPR-300	1
4-37	82-439-432-01		Back plate	TPR-300	1
4-38	82-439-331-01		Rubber cushion	TPR-300	1
4-39	82-439-351-01		Spring, Push-button	TPR-300	2
4-40	82-285-254-01		Spring, Play idler	TP 760	1
4-41	82-439-228-01		REC lever	TPR-300	1
4-42	82-476-222-01		Plate spring, REC	*	1
4-43	82-439-046-01		REC button	TPR-300	1
4-44	82-439-233-01		Slide plate A	TPR-300	1
4-45	82-439-284-01		Spring, Slide plate	TPR-300	1
4-46	82-439-375-01		Slide plate B	TPR-300	1
4-47	82-439-356-01		FR gear B	TPR-300	1
4-48	82-439-218-01		FR lever ass'y	TPR-300	1
4-49	82-476-208-01		Metal fitting, Circuit board	*	1
4-50	82-439-426-01		Brake shoe A	TPR-300	2
4-51	82-439-269-01		Brake plate	TPR-300	1
4-52	82-439-225-01		FR slide plate	TPR-300	1
4-53	82-439-226-01		Collar, FR slide plate	TPR-300	1
4-54	82-439-290-01		Spring, FR slide plate	TPR-300	1
4-55	82-439-280-01		Spring, Automatic release lever	TPR-300	1
4-56	82-439-360-01		Automatic release lever ass'y	TPR-300	1
4-57	82-476-620-01		Shield plate, Worm gear	*	

MODEL TPR-910LEE,SEE,UK

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Ref. No.	Part No.	Description	Q'ty
1-101	87-351-097-01	VT ₁ ⊕ 3-12	5

Ref. No.	Part No.	Description	Q'ty
1-102	87-081-276-01	VT ₂ ⊕ 3-38	1

Ref. No.	Part No.	Description	Q'ty
2-101	87-263-071-01	V ⊕ 2.6-4	2
2-102	87-263-091-11	V ⊕ 3-3	4
2-103	87-253-092-11	U ⊕ 3-4	2
2-104	87-081-215-01	P ⊕ 2-4	2
2-105	87-233-072-01	Q ⊕ 2.6-5	5
2-106	87-233-035-01	Q ⊕ 2-6	2
2-107	87-351-097-01	VT ₁ ⊕ 3-12	1
2-108	87-351-102-01	VT ₁ ⊕ 3-20	1
2-109	87-351-094-11	VT ₁ ⊕ 3-6	2
2-110	87-351-096-01	VT ₁ ⊕ 3-10	5
2-111	87-351-095-01	VT ₁ ⊕ 3-8	2
2-112	87-351-073-01	VT ₁ ⊕ 2.6-6	4
2-113	87-341-095-01	UT ₁ ⊕ 3-8	1
2-114	87-341-094-01	UT ₁ ⊕ 3-6	2
2-115	87-341-096-01	UT ₁ ⊕ 3-10	11
2-116	87-341-035-01	UT ₁ ⊕ 2-6	1

Ref. No.	Part No.	Description	Q'ty
2-117	87-341-034-01	UT ₁ ⊕ 2-5	2
2-118	87-470-074-01	VW ⊕ 2.6-8	2
2-119	87-511-095-01	WTF ⊕ 3-8	1
2-120	87-410-317-01	W3-10-0.8	1
2-121	87-081-147-01	FW3-10-1	1
2-122	87-081-016-01	FW3-8-0.8	2
2-123	87-081-015-01	FW3-8-0.5	2
2-124	87-422-309-01	SW-5	1
2-125	87-441-009-01	STE-3	1
2-126	87-442-003-01	STP-3	2
2-127	87-450-417-01	LB-7	1
2-128	87-392-003-01	NSP-3	2
2-129	87-391-036-01	N5-8-4	1
2-130	87-391-017-01	N3-5.5-2.4	1
2-131	87-081-481-01	VTT ⊕ 3-5	2

Ref. No.	Part No.	Description	Q'ty
3-101	87-341-037-01	UT ₁ ⊕ 2-10	1
3-102	87-511-095-01	VTF ⊕ 3-8	2
3-103	87-351-097-01	VT ₁ ⊕ 3-12	3
3-104	87-351-096-01	VT ₁ ⊕ 3-10	2
3-105	87-081-276-01	VT ₂ ⊕ 3-38	1
3-106	87-321-102-01	QT ₁ ⊕ 3-20	2

Ref. No.	Part No.	Description	Q'ty
3-107	87-480-074-01	VS ⊕ 2.6-8	3
3-108	87-410-311-01	W2.6-7.5-0.5	3
3-109	87-081-464-01	PW1.8-5-0.5	1
3-110	87-081-489-01	PW1.7-3.5-0.25	2
3-111	87-081-016-01	FW3-8-1	1
3-112	87-450-411-01	LB-1	1



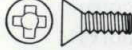







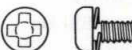

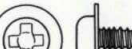

Ref. No.	Part No.	Description	Q'ty
4-101	87-253-036-01	U ⊕ 2-8	1
4-102	87-351-102-01	VT ₁ ⊕ 3-20	1
4-103	87-351-033-01	VT ₁ ⊕ 2-4	1
4-104	87-351-035-01	VT ₁ ⊕ 2-6	1
4-105	87-341-095-01	UT ₁ ⊕ 3-8	2
4-106	87-341-074-01	UT ₁ ⊕ 2.6-8	2
4-107	87-327-074-01	QT ₂ ⊕ 2.6-8	3
4-108	87-353-075-01	VT ₂ ⊕ 2.6-10	1
4-109	87-480-071-01	VS ⊕ 2.6-4	1
4-110	87-081-501-01	VTT ⊕ 2.6-4	1











Ref. No.	Part No.	Description	Q'ty
4-111	87-410-311-01	W2.6-7.5-0.5	2
4-112	87-410-305-01	W2-6-0.4	1
4-113	87-081-498-01	PW2.5-6-0.5	1
4-114	87-081-489-01	PW1.7-3.5-0.25	4
4-115	87-081-484-01	PW3-6-0.25	3
4-116	87-081-492-01	PW2.1-8-0.13	3
4-117	87-081-030-01	FW2-6-0.5	1
4-118	87-081-319-01	TW2.3-8-0.2	3
4-119	87-450-412-01	LB-2	1

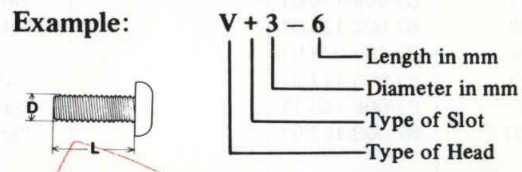
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HARDWARE NOMENCLATURE

ELECTRICAL PARTS

- V:** Pan head screw 
- U:** Binding head screw 
- Q:** Flat countersunk head screw 
- P:** Oval countersunk head screw 
- VT1:** Pan head tapping screw 
- UT1:** Binding head tapping screw 
- QT1:** Flat countersunk head tapping screw 
- VT2:** Pan head tapping screw 
- UT2:** Binding head tapping screw 
- QT2:** Flat countersunk head tapping screw 
- VS:** Pan head screw with spring washer 
- VW:** Pan head screw with washer 
- VTF:** Flange and Pan head tapping screw 
- VTT:** Pan head tap-tight screw 

- STE:** E ring 
- STP:** Powerful stop ring 
- W:** Washer 
- FW:** Fiber washer 
- PW:** Poly-slider washer 
- TW:** Tefron washer 
- SW:** Spring washer 
- NSP:** Speed nut 
- N:** Nut 
- LB:** Lug terminal plate 



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MODEL TPR-910LEE,SEE,UK

AIW

ELECTRICAL PARTS

Symbol No.	Part No.	Part No. Changed to	Description	Common Model	Q'ty
◀TUNER CIRCUIT BOARD SECTION▶ = "LEE", "UK" Model only					
PCB-A	82-476-629-11		Tuner circuit board	*	1
TR101,102	89-307-842-01		Transistor, 2SC-784(R)		2
TR103,106	89-303-803-01		Transistor, 2SC-380(O)		2
TR104,105	89-303-804-01		Transistor, 2SC-380(Y)		2
TR107	87-026-046-01		Transistor, 2SC-380A(Y)		1
IC101	87-027-126-01		IC, LA-3301		1
D101,102,106 107	88-052-188-11		Diode, 1S-188 (FM)		4
D103	88-052-553-01		Diode, 1S-553		1
D104,105	88-051-060-91		Diode, 1N-60 (AM)		2
L101	87-006-017-01		FM coil, 2½t		1
L102	81-245-319-01		FM choke coil, 0.47µH		1
L103	87-006-016-01		FM coil, 1½t		1
L104,105	82-463-637-01		LW, MW bar antenna coil	TPR-900	1
L106	87-007-050-11		LW OSC coil		1
L107	82-425-603-01		MW OSC coil		1
L108,109	82-401-635-01		FM coil 10t		2
L110	87-008-139-01		Coil, 67kHz		1
L111	82-401-635-01		FM coil 10t		1
IFT101	81-436-305-01		FM IFT		1
IFT102	87-008-110-01		FM IFT		1
IFT103	87-008-135-01		FM IFT (ratio S)		1
IFT104	87-008-078-01		FM IFT (ratio P)		1
IFT105	87-008-117-01		AM IFT		1
CF101	87-008-158-11		Ceramic filter, 10.7MHz		1
CFT101	87-008-152-01		Ceramic filter trans, 468kHz (UK model only)		1
CFT101	87-008-118-01		Ceramic filter trans, 455kHz (LEE model only)		1
VC1~4 TC1~4	87-011-091-01		PVC		1
TC5,6	87-011-021-01		Trimmer AT ₁ -54		2
CR101	87-028-019-01		CR block		1
BPF101	87-030-032-01		FM band pass filter		1
MPX UNIT	87-030-025-01		MPX UNIT		1
S1	82-463-601-01		Rotary slide switch (BAND SELECTOR)	TPR-900	1
SFR101	87-021-237-01		Semi-fixed resistor, 1 kΩ-B		1
<Resistors>					
R106	88-188-220-01		22Ω 1/4W ±5% ELR		1
R115	88-188-390-01		39Ω 1/4W ±5% ELR		1
R122	88-188-470-01		47Ω 1/4W ±5% ELR		1
R168	88-188-560-01		56Ω 1/4W ±5% ELR		1
R124	88-188-680-01		68Ω 1/4W ±5% ELR		1
R145	88-188-820-01		82Ω 1/4W ±5% ELR		1
R126,144,154	88-188-101-01		100Ω 1/4W ±5% ELR		3
R103,108	88-188-221-01		220Ω 1/4W ±5% ELR		2
R128	88-188-331-01		330Ω 1/4W ±5% ELR		1
R140	88-188-391-01		390Ω 1/4W ±5% ELR		1
R101,133,158	88-188-471-01		470Ω 1/4W ±5% ELR		3
R143	88-188-681-01		680Ω 1/4W ±5% ELR		1
R119,134,152 153,155	88-188-821-01		820Ω 1/4W ±5% ELR		5
R146,148,150 159,162,163 164,165,166	88-188-102-01		1kΩ 1/4W ±5% ELR		9
R127,149	88-188-152-01		1.5kΩ 1/4W ±5% ELR		2
R104,111,132	88-188-182-01		1.8kΩ 1/4W ±5% ELR		3
R170	88-188-222-01		2.2kΩ 1/4W ±5% ELR		1
R118,160,161 167	88-188-332-01		3.3kΩ 1/4W ±5% ELR		4

Symbol No.	Part No.	Part No. Changed to	Description	Common Model	Q'ty
R157	88-188-472-01		4.7kΩ 1/4W ±5% ELR		1
R110,142	88-188-123-01		12kΩ 1/4W ±5% ELR		2
R135	88-188-183-01		18kΩ 1/4W ±5% ELR		1
R129,139	88-188-223-01		22kΩ 1/4W ±5% ELR		2
R112	88-188-333-01		33kΩ 1/4W ±5% ELR		1
R130,131	88-188-563-01		56kΩ 1/4W ±5% ELR		2
R105,107,114 125	88-188-683-01		68kΩ 1/4W ±5% ELR		4
R138	88-188-823-01		82kΩ 1/4W ±5% ELR		1
R151	88-188-154-01		150kΩ 1/4W ±5% ELR		1
R102,141	88-188-184-01		180kΩ 1/4W ±5% ELR		2
R117,136	88-188-274-01		270kΩ 1/4W ±5% ELR		2
R137	88-188-474-01		470kΩ 1/4W ±5% ELR		1
R116	88-131-221-01		220Ω 1/4W ±5%		1
R147	88-134-103-01		10kΩ 1/4W ±10%		1
R113	88-132-333-01		33kΩ 1/4W ±10%		1
			<Capacitors>		
C116	88-337-100-01		1μF 50V Electrolytic		1
C161,165,167 173,174	88-336-500-01		4.7μF 25V Electrolytic		5
C140,142,153 159,164	88-335-110-01		10μF 16V Electrolytic		5
C176	88-333-220-01		220μF 10V Electrolytic		1
C114,130,134	88-332-120-01		100μF 6.3V Electrolytic		3
C160	88-332-220-01		220μF 6.3V Electrolytic		1
C157	87-015-093-01		0.22μF 6.3V Aluminum solid		1
C126	88-617-460-01		180pF Styrol		1
C131	88-617-660-01		2200pF Styrol		1
C125	87-917-500-01		270pF Mylar		1
C150,166,168 175	88-727-630-01		0.0015μF Mylar		4
C169,171	88-727-700-01		0.003μF Mylar		2
C170,172	88-727-810-01		0.01μF Mylar		2
C124,156	88-727-830-01		0.02μF Mylar		2
C182	88-727-870-01		0.039 Mylar		1
C106,112,180	88-213-030-01		3pF Ceramic		3
C111	88-213-050-01		5pF Ceramic		1
C127,110	88-213-060-01		6pF Ceramic		2
C102	88-212-100-01		10pF Ceramic		1
C178,179	88-212-150-01		15pF Ceramic		2
C181	88-212-230-01		27pF Ceramic		1
C107	88-212-240-01		30pF Ceramic		1
C121	88-212-260-01		36pF Ceramic		1
C162,163	88-212-410-01		100pF Ceramic		2
C120	88-212-420-01		120pF Ceramic		1
C108	88-212-480-01		220pF Ceramic		1
C158	88-212-510-01		300pF Ceramic		1
C135	88-218-550-01		470pF Ceramic		1
C104,149	88-214-660-01		0.002μF Ceramic		2
C103,109,118 123,133,136 145	88-214-720-01		0.0047μF Ceramic		7
C101,115,117 119,122,128 129,137,138 139,141,144 146,152,155	88-214-810-01		0.01μF Ceramic		15
C132,143,147 148	88-214-830-01		0.022μF Ceramic		4
C151,154	88-205-810-01		0.01μF Ceramic		2
C177	88-232-290-01		47pF 500V Ceramic		1

MODEL TPR-910LEE,SEE,UK

AIWA

Symbol No.	Part No.	Part No. Changed to	Description	Common Model	Q'ty
◀TUNER CIRCUIT BOARD SECTION▶ = "SEE" Model only					
PCB-A	82-476-610-31		Tuner circuit board	*	1
TR101,102	89-307-842-01		Transistor, 2SC-784(R)		2
TR103,106	89-303-803-01		Transistor, 2SC-380(O)		2
TR104,105	89-303-804-01		Transistor, 2SC-380(Y)		2
TR107	87-026-046-01		Transistor, 2SC-380A(Y)		1
IC101	87-027-126-01		IC, LA-3301		1
D101,102, 106,107	88-052-188-11		Diode, 1S-188 (FM)		4
D103	88-052-553-01		Diode, 1S-553		1
D104,105	88-051-060-91		Diode, 1N-60 (AM)		2
L101	87-006-017-01		FM coil, 2½t		1
L102	81-245-319-01		FM choke coil, 0.47µH		1
L103	87-006-016-01		FM coil, 1¾t		1
L104	87-006-044-01		SW antenna coil		1
L105	82-463-609-01		MW bar antenna coil	TPR-900	1
L106	87-007-070-01		SW OSC coil		1
L107	82-425-603-01		MW OSC coil		1
L108,109	82-401-635-01		FM coil 10t		2
L110	87-008-139-01		Coil, 67kHz		1
IFT101	81-436-305-01		FM IFT		1
IFT102	87-008-110-01		FM IFT		1
IFT103	87-008-135-01		FM IFT (ratio S)		1
IFT104	87-008-078-01		FM IFT (ratio P)		1
IFT105	87-008-117-01		AM IFT		1
CF101	87-008-158-11		Ceramic filter, 10.7MHz		1
CFT101	87-008-118-01		Ceramic filter, trans, 455kHz		1
VC1~4	87-011-091-01		PVC		1
TC1~4					
TC5	87-011-024-01		Trimmer AT ₁ -53		1
TC6	87-011-021-01		Trimmer AT ₁ -54		1
CR101	87-028-019-01		CR block		1
BPF101	87-030-032-01		FM band pass filter		1
MPX UNIT	87-030-025-01		MPX UNIT		1
S1	82-463-601-01		Rotary slide switch (BAND SELECTOR)	TPR-900	1
SFR1	87-021-237-01		Semi-fixed resistor, 1kΩ-B		1
<Resistors>					
R106,122	88-188-220-01		22Ω 1/4W ±5% ELR		2
R115	88-188-390-01		39Ω 1/4W ±5% ELR		1
R120	88-188-470-01		47Ω 1/4W ±5% ELR		1
R168	88-188-560-01		56Ω 1/4W ±5% ELR		1
R124	88-188-680-01		68Ω 1/4W ±5% ELR		1
R126,144,154	88-188-101-01		100Ω 1/4W ±5% ELR		3
R123	88-188-151-01		150Ω 1/4W ±5% ELR		1
R103,108,118	88-188-221-01		220Ω 1/4W ±5% ELR		3
R101,133,158	88-188-471-01		470Ω 1/4W ±5% ELR		3
R143	88-188-681-01		680Ω 1/4W ±5% ELR		1
R119,134,152 153,155	88-188-821-01		820Ω 1/4W ±5% ELR		5
R146,148,150 159,162,163 164,165,166	88-188-102-01		1kΩ 1/4W ±5% ELR		9
R127,149	88-188-152-01		1.5kΩ 1/4W ±5% ELR		2
R104,111,132	88-188-182-01		1.8kΩ 1/4W ±5% ELR		3
R170	88-188-222-01		2.2kΩ 1/4W ±5% ELR		1
R121,160,161 167	88-188-332-01		3.3kΩ 1/4W ±5% ELR		4
R157	88-188-472-01		4.7kΩ 1/4W ±5% ELR		1
R110,142	88-188-123-01		12kΩ 1/4W ±5% ELR		2
R135	88-188-183-01		18kΩ 1/4W ±5% ELR		1
R129,139	88-188-223-01		22kΩ 1/4W ±5% ELR		2
R130	88-188-273-01		27kΩ 1/4W ±5% ELR		1

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Symbol No.	Part No.	Part No. Changed to	Description	Common Model	Q'ty
112,113,131 172	88-188-333-01		33kΩ 1/4W ±5% ELR		4
105,107,114, 125	88-188-683-01		68kΩ 1/4W ±5% ELR		4
151	88-188-154-01		150kΩ 1/4W ±5% ELR		1
102,141	88-188-184-01		180kΩ 1/4W ±5% ELR		2
117,136	88-188-274-01		270kΩ 1/4W ±5% ELR		2
137	88-188-474-01		470kΩ 1/4W ±5% ELR		1
145	88-188-820-01		82Ω 1/4W ±5% ELR		1
128	88-188-331-11		330Ω 1/4W ±5% ELR		1
140	88-188-391-11		390Ω 1/4W ±5% ELR		1
138	88-188-823-11		82kΩ 1/4W ±5% ELR		1
147	88-134-103-01		10kΩ 1/4W ±10%		1
			<Capacitors>		
116	88-337-100-01		1μF 50V Electrolytic		1
C161,165,167 173,174	88-336-500-01		4.7μF 25V Electrolytic		5
C140,142,153 159,164	88-335-110-01		10μF 16V Electrolytic		5
C176	88-333-220-01		220μF 10V Electrolytic		1
C114,130,134	88-332-120-01		100μF 6.3V Electrolytic		3
C160	88-332-220-01		220μF 6.3V Electrolytic		1
C157	87-015-093-01		0.22μF 6.3V Aluminum solid		1
C125	88-617-710-01		3900pF Styrol		1
C166,168,175	88-727-630-01		0.0015μF Mylar		3
C169,171	88-727-700-01		0.003μF Mylar		2
C170,172	88-727-810-01		0.01μF Mylar		2
C180	88-727-830-01		0.02μF Mylar		1
C126	87-917-500-01		270pF Mylar		1
C105,106,112 121,131,155	88-213-030-01		3pF Ceramic		4
C111	88-213-050-01		5pF Ceramic		1
C127 127	88-213-060-01		6pF Ceramic		1
C110	88-213-080-01		8pF Ceramic		1
C178,179	88-212-150-01		15pF Ceramic		2
C120	88-212-200-01		20pF Ceramic		1
C102	88-212-100-01		10pF Ceramic		1
C102	88-213-120-01		12pF Ceramic		1
C181	88-212-230-01		27pF Ceramic		1
C107	88-212-240-01		30pF Ceramic		1
C113,162,163	88-212-410-01		100pF Ceramic		3
C108	88-212-480-01		220pF Ceramic		1
C158	88-212-510-01		300pF Ceramic		1
C104,123,138 149	88-214-650-01		0.002μF Ceramic		4
C103,109,118 124,133,136 145	88-214-720-01		0.0047μF Ceramic		7
C101,115,117 119,122,128 129,132,137 139,141,144, 146,156	88-214-810-01		0.01μF Ceramic		14
C143,147,148	88-214-830-01		0.022μF Ceramic		3
C131,151,152 154	88-205-810-01		0.01μF Ceramic		4
C150	88-205-830-01		0.022μF Ceramic		1
C177	88-232-290-01		47pF 500V Ceramic		1
« REC/PB CIRCUIT BOARD SECTION »					
PCB-B	82-476-626-11		REC/PB circuit board	*	1
TR201,301 202,302 203,303	89-307-325-01		Transistor, 2SC732 (GR)		6

MODEL TPR-910LEE,SEE,UK

AIWA

Symbol No.	Part No.	Part No. Changed to	Description	Common Model	Q'ty
TR203,204	89-200-562-01		Transistor, 2SB56 (B)		2
TR205,206	89-303-724-01		Transistor, 2SC372 (Y)		2
IC201,301	87-027-176-01		IC, TA7137 (P)		2
IC202,302	87-027-153-01		IC, HA1329		2
D201,301,302	88-051-060-01		Diode, 1N60		3
D202	82-415-637-01		Zener diode, WZ061		1
L201,301	87-003-034-01		Trape coil		2
L202,302	87-005-072-01		Micro inductor, 1.2mH		2
L203,303	87-003-042-01		Micro inductor, 10mH		2
L206	82-418-612-01		Bias OSC coil		1
L204	82-401-661-01		Choke coil, 600 μ H		1
L205	82-401-624-01		Choke coil, 35 μ H		1
T201,301	87-002-075-01		Output transformer		2
J1	87-032-679-01		5P DIN jack (MIC, REC/PB)		1
J2,3	87-032-681-01		2P DIN jack (EXT-SP R,L)		2
S3	82-476-604-01		Slide switch (FUNCTION)	*	1
S2	87-031-322-01		Slide switch (REC/PB)		1
S11	87-032-680-01		DIN jack switch (DIN/ECM)		1
SFR201,301	87-021-359-01		Semi-fixed resistor, 30k Ω -B		2
SFR202	87-021-454-01		Semi-fixed resistor, 200k Ω -B		1
			<Resistors>		
R239	88-130-569-01		5.6 Ω 1/4W \pm 5%		1
R242	88-130-100-01		10 Ω 1/4W \pm 5%		1
R230,330	88-130-120-01		12 Ω 1/4W \pm 5%		2
R257,258	88-130-470-01		47 Ω 1/4W \pm 5%		2
R201,301,314 234	88-130-101-01		100 Ω 1/4W \pm 5%		4
R227,237,327	88-130-181-01		180 Ω 1/4W \pm 5%		3
R219,319,235 335	88-130-271-01		270 Ω 1/4W \pm 5%		4
R210,310,241	88-130-471-01		470 Ω 1/4W \pm 5%		3
R259	88-130-821-01		820 Ω 1/4W \pm 5%		1
R215,315,337	88-130-102-01		1k Ω 1/4W \pm 5%		3
R209,309,228 328	88-130-152-01		1.5k Ω 1/4W \pm 5%		4
R216,316	88-130-222-01		2.2k Ω 1/4W \pm 5%		2
R226,326,233 333	88-130-272-01		2.7k Ω 1/4W \pm 5%		4
R202,302	88-130-332-01		3.3k Ω 1/4W \pm 5%		2
R217,317	88-130-472-01		4.7k Ω 1/4W \pm 5%		2
R222,322	88-130-562-01		5.6k Ω 1/4W \pm 5%		2
R206,306,208 308,243	88-130-682-01		6.8k Ω 1/4W \pm 5%		5
R205,305,224 324,260	88-130-103-01		10k Ω 1/4W \pm 5%		5
R218,318	88-130-123-01		12k Ω 1/4W \pm 5%		2
R220,320	88-130-273-01		27k Ω 1/4W \pm 5%		2
R238,338	88-130-393-01		39k Ω 1/4W \pm 5%		2
R204,304	88-130-563-01		56k Ω 1/4W \pm 5%		2
R207,307	88-130-104-01		100k Ω 1/4W \pm 5%		2
R225,325	88-130-224-01		220k Ω 1/4W \pm 5%		2
R244	88-188-470-01		47 Ω 1/4W \pm 5% ELR		1
R214	88-188-101-01		100 Ω 1/4W \pm 5% ELR		1
R203,303	88-188-151-01		150 Ω 1/4W \pm 5% ELR		2
R261	88-188-331-01		330 Ω 1/4W \pm 5% ELR		1
R211,311,223 323	88-188-102-01		1k Ω 1/4W \pm 5% ELR		4
R213,313	88-188-332-01		3.3k Ω 1/4W \pm 5% ELR		2
R229,329	88-188-472-01		4.7k Ω 1/4W \pm 5% ELR		2
R344	88-188-562-01		5.6k Ω 1/4W \pm 5% ELR		1
R221,321,306	88-188-682-01		6.8k Ω 1/4W \pm 5% ELR		3
R343	88-188-822-01		8.2k Ω 1/4W \pm 5% ELR		1

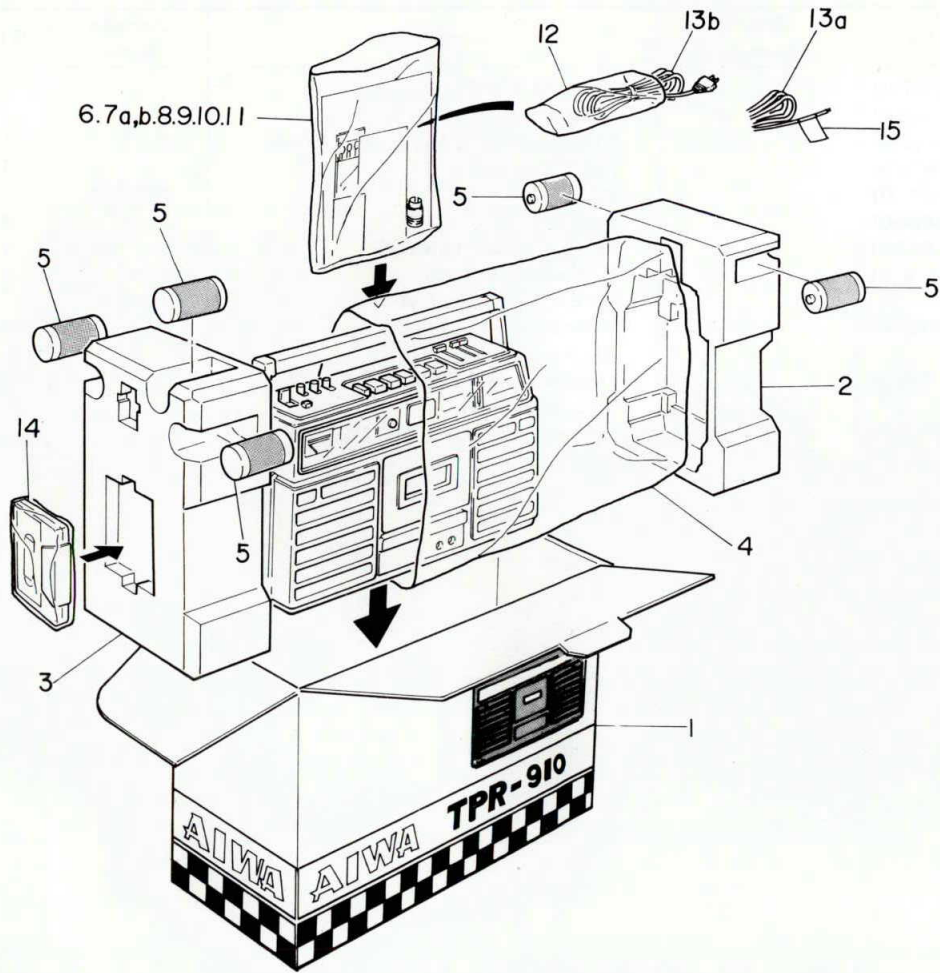
Symbol No.	Part No.	Part No. Changed to	Description	Common Model	Q'ty
R341	88-188-103-01		10k Ω 1/4W \pm 5% ELR		1
R231	88-188-183-01		18k Ω 1/4W \pm 5% ELR		1
R255	88-188-393-01		39k Ω 1/4W \pm 5% ELR		1
R246,346	88-188-473-01		47k Ω 1/4W \pm 5% ELR		2
R342	88-188-104-01		100k Ω 1/4W \pm 5% ELR		1
R247,347	88-188-154-01		150k Ω 1/4W \pm 5% ELR		2
R212,312	88-188-274-01		270k Ω 1/4W \pm 5% ELR		2
R245,345	88-188-105-01		1M Ω 1/4W \pm 5% ELR		2
R232	88-141-159-01		1.5 Ω 1/2W \pm 5%		1
R256	88-141-470-01		47 Ω 1/2W \pm 5%		1
R236	88-150-220-11		22 Ω 1W \pm 5%		1
R240	87-029-010-01		10 Ω Fuse resistor		1
			< Capacitors >		
C213,313	88-337-590-01		0.47 μ F 50V Electrolytic		2
C224,324	88-337-100-01		1 μ F 50V Electrolytic		2
C206,306,210 310,214,314 217,317,218 318,219,319	88-336-500-01		4.7 μ F 25V Electrolytic		12
C204,304,207 307,226,326 236,227,327	88-335-110-01		10 μ F 16V Electrolytic		9
C249,250,251	88-333-210-01		22 μ F 10V Electrolytic		3
C244,245,246	88-333-520-01		470 μ F 10V Electrolytic		3
C234,235,247 248	88-333-130-01		1000 μ F 10V Electrolytic		4
C225,325	88-333-510-01		47 μ F 10V Electrolytic		2
C212,312,215 315	88-332-120-01		100 μ F 6.3V Electrolytic		4
C220,320,232	88-332-229-01		220 μ F 6.3V Electrolytic		3
C233,243	88-332-520-01		470 μ F 6.3V Electrolytic		2
C201,301,222 322	87-015-095-01		0.47 μ 6.3V Aluminum solid		4
C253,353	88-717-610-01		0.001 μ F Mylar		2
C203,303	88-717-630-01		0.0015 μ F Mylar		2
C209,309,221 321	88-717-820-01		0.015 μ F Mylar		4
C228,328,229 329,230,330	88-727-660-01		0.0022 μ F Mylar		6
C241	88-728-610-01		0.001 μ F 100V Mylar		1
C242	88-728-660-01		0.0022 μ F 100V Mylar		1
C237,238	88-728-810-01		0.01 μ F 100V Mylar		2
C239,240	88-728-830-01		0.022 μ F 100V Mylar		2
C231,331	88-727-750-01		0.0082 μ F Mylar		2
C202,302	88-727-810-01		0.01 μ F Mylar		2
C258,358	88-727-810-01		0.01 μ F Mylar (SEE model only)		2
C211,311	88-218-660-01		0.0022 μ F Ceramic		2
C208,308	88-212-410-01		100pF Ceramic		2
C257,357	88-212-470-01		200pF Ceramic		2
C205,305,256 356	88-212-510-01		300pF Ceramic		2
« REC BLOCK CIRCUIT BOARD SECTION »					
PCB-C,D	87-033-133-21		REC block circuit board		2
TR401,501 402,502 403,503	89-307-325-61		Transistor, 2SC732 (GR)		6
TR404,504	89-106-285-01		Transistor, 2SA628 (F)		2
D401,501	88-051-060-01		Diode, 1N60		2
D402,502	87-026-066-01		Diode, M8513A-O		2

Symbol No.	Part No.	Part No. Changed to	Description	Common Model	Q'ty
			< Resistors >		
R410,510	88-181-100-01		10Ω 1/4W ±5% ELR		2
R416,516	88-181-332-01		3.3kΩ 1/4W ±5% ELR		2
R411,511	88-181-683-01		68kΩ 1/4W ±5% ELR		2
			< Capacitors >		
C401,501,410 510,412,512 415,515	88-336-500-01		4.7μF 25V Electrolytic		8
C403,503,404 504,407,507	88-335-110-01		10μF 16V Electrolytic		6
C413,513	88-333-120-01		100μF 10V Electrolytic		2
C411,511	87-015-092-01		0.1μF 6.3V Aluminum solid		2
C409,509	88-707-740-01		0.0068μF Mylar		2
C405,505	88-707-830-01		0.022μF Mylar		2
C406,506	88-707-910-01		0.1μF Mylar		2
C402,502,414, 514	88-212-510-01		300pF Ceramic		4
« VOLUME CIRCUIT BOARD SECTION »					
PCB-E	82-476-617-11		VOLUME circuit board	*	1
VR201,301	82-476-602-01		Slide volume, 30kΩ-B (VOLUME)	*	2
VR202,302	82-476-603-01		Slide volume, 20kΩ-D (TONE)	*	1
			< Capacitors >		
C255,355	88-727-970-01		0.082μF Mylar		2
C223,323	87-015-092-01		0.1μF 6.3V Aluminum solid		2
« POWER CIRCUIT BOARD SECTION »					
PCB-F	82-476-608-11		POWER circuit board	*	1
D601	87-027-121-01		Bridge diode, 1S2371		1
F1	87-035-080-01		Fuse, 160mA "T"		1
	87-057-800-01		Fuse label, 160mA "T"		1
F2	87-035-064-01		Fuse, 1A "T" (LEE, SEE model only)		1
	87-057-770-01		Fuse label, 1A "T" (LEE, SEE model only)		1
F2	87-035-117-01		Fuse 1.25A "T" (UK model only)		1
	87-057-824-01		Fuse label, 1.25A "T" (UK model only)		1
	87-032-323-01		Fuse clamp		4
			< Capacitors >		
C605	88-333-230-01		2200μF 10V Electrolytic		1
C601~604	88-727-840-01		0.033μF Mylar		4
« SWITCH CIRCUIT BOARD SECTION »					
PCB-G	82-463-647-01		Switch circuit board	TPR-900	1
S4,5,12	82-374-613-01		Lever switch (TAPE, AFC, MODE)		3
			< Resistors >		
R171	88-188-102-01		1kΩ 1/4W ±5% ELR		1
R253,353	88-188-153-01		15kΩ 1/4W ±5% ELR		2
« MISCELLANEOUS »					
T601	82-476-642-01		Power transformer	*	1
D108	82-372-618-01		Light emitting diode (FM STEREO)		1
D301	87-026-106-01		Light emitting diode (TARE RUN)		2
SP1,2	82-431-627-01		Speaker		1
LM	82-463-613-01		Level meter	TPR-900	1
RPH	82-476-609-01		Rec/Pb head	*	1
EH	87-046-131-01		Erase head		1
ECM,12	85-868-018-01		ECM, CMU-9Y		2
M	86-621-810-01		Motor ass'y AM-131B		1

Symbol No.	Part No.	Part No. Changed to	Description	Common Model	Q'ty
57	87-031-287-01		Slide switch (OSC)	TPR-601	1
58	87-031-362-01		Micro switch (MOTOR SW)		1
613	87-031-280-01		Slide switch (VOLTAGE SELECTOR)		1
64	87-032-504-01		Headphone jack		1
65	82-416-647-01		DC jack		1
66	87-032-434-01		AC jack		1
67	82-457-697-01		Antenna socket (DIN FM)		1
66	87-031-330-01		Push switch (SLEEP) (LEE, SEE model only)		1
66-1	87-031-363-01		Micro switch (SLEEP) (UK model only)		1
66-2	87-031-349-01		Push switch (AC POWER) (UK model only)		1
69,10	87-031-361-01		Leaf switch (PAUSE, AUTO STOP)	2	

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ACCESSORIES/PACKAGE

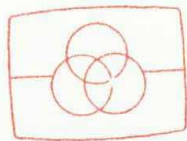


ACCESSORIES/PACKAGE

Ref. No.	Part No.	Part No. Changed to	Description	Common Model	Q'ty
1	82-476-855-01		Printed indiv., Packing	*	1
2	82-463-853-01		Cushion R, Printed indiv.	TPR-900	1
3	82-463-852-01		Cushion L, Printed indiv.	TPR-900	1
4	87-051-143-01		Poly-vinyl sack (for case)		1
5	87-047-039-01		Battery, SUM-1AG		5
6	87-051-171-01		Poly-vinyl sack (for instruction)		1
7a	82-476-904-01		Instructions booklet (UK model only)	*	1
7b	82-476-905-01		Instructions booklet (LEE, SEE model only)	*	1
8	87-056-009-01		Distributors list		1
9	87-057-879-01		Red label		1
10	87-032-478-01		DIN shorting plug		1
11	87-058-019-01		Head cleaning pole		1
12	87-051-137-01		Poly-vinyl sack (for AC cord)		1
13a	87-034-070-01		AC cord (LEE, SEE model only)		1
13b	87-034-841-01		AC cord (UK model only)		1
14	80-291-655-01		Tape cassette, DMC-144		1
15	87-056-008-01		Label, AC cord (UK model only)		1

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Published in Heiloo, Holland.