

RESISTANCE READINGS

Pin	Table	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7
1	12BE6	220K	100	270	40K	400K	400K	2.2M
2	12AT6	2.2M	100	100	270	400K	400K	2.2M
3	12AT6	100	100	100	100	100	100	100
4	50B5	400K	400K	400K	400K	400K	400K	400K
5	50B5	400K	400K	400K	400K	400K	400K	400K

VOLTAGE READINGS

Pin	Table	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7
1	12BE6	0V	0V	0V	0V	0V	0V	0V
2	12AT6	0V	0V	0V	0V	0V	0V	0V
3	12AT6	0V	0V	0V	0V	0V	0V	0V
4	50B5	0V	0V	0V	0V	0V	0V	0V
5	50B5	0V	0V	0V	0V	0V	0V	0V

RESISTANCE READINGS IN THE B+ CIRCUITS MAY VARY WIDELY ACCORDING TO THE CONDITION OF THE FILTER CAPACITORS

4713-18

THE COOPERATION OF THE MANUFACTURER OF THIS RECEIVER MAKES IT POSSIBLE TO BRING YOU THIS SERVICE

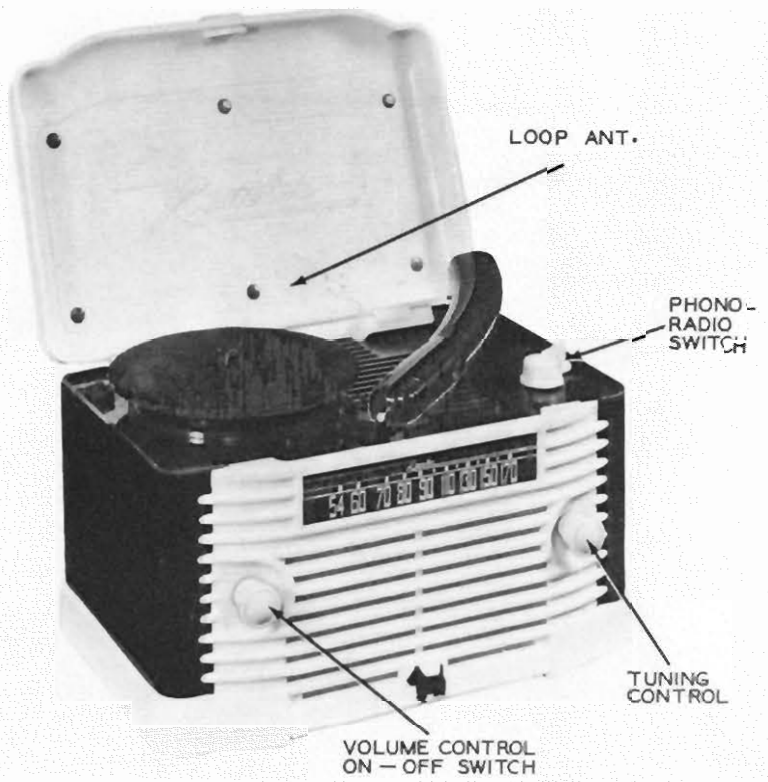
1. DC Voltage measurements are at 20,000 ohms per volt; AC Voltages measured 1000 ohms per volt.
2. Socket connections are from bottom views.
3. Measured values are from socket pin to common negative.
4. Line voltage maintained at 117 volts for voltage readings.
5. Nominal tolerance on component values makes possible a variation of  $\pm 10\%$  in voltage and resistance readings.
6. Volume control at maximum, no signal applied for voltage measurements.

The stage gain measured values listed above are approximate values for an average operative stage, rather than an absolute value. It should be borne in mind that it is possible to introduce so many variables into the measurement operation, such as, type of equipment used for measuring, handling and placement of probes, the accuracy of alignment, etc., that an absolute reading is impractical. AVC is made inoperative and 3-volt battery bias substituted for measurement.

# PHOTOFACT\* Folder

## REMLER MODELS 5300B, 5300BI, 5300I

### REMLER MODELS 5300B, 5300BI, 5300I



REMLER MODEL 5300BI

TRADE NAME	Remler, Models 5300B, 5300BI, 5300I					
MANUFACTURER	Remler Co., Ltd., 2101 Bryant St., San Francisco 10, Calif.					
TYPE SET	AC Operated Radio-Phonograph Combination with Loop Antenna					
TUBES (FIVE)	Types, 12BE6 Converter, 12BA6 IF Amp., 12AT6 Det.-AVC-AF, (2) 50B5 Power Output.					
POWER SUPPLY	110-120 Volts AC					
TUNING RANGE-BROADCAST	540-1730KC					
RATING	.270 Amp. @ 117 Volts AC					
ALIGNMENT INSTRUCTIONS-READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT						
Use isolation transformer if available. If not connect a .1 MFD capacitor in series with low side of signal generator and B-. Volume control should be at maximum position, output of signal generator should be no higher than necessary to obtain an output reading. Use an insulated alignment screwdriver for adjusting.						
DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	OUTPUT METER	ADJUST	REMARKS
1 .1 MFD.	High side to stator of rear section of tuning capacitor. Low side to B-.	450KC	Tuning capacitor fully open.	Across voice coil	A1, A2, A3, A4.	Adjust for maximum output. If isolation transformer is not used reduce dummy ant. to .001 MFD. to reduce hum modulation.
2	Loop	1730KC	"	"	A5	Fashion loop of several turns of wire and radiate signal into loop of receiver. Adjust for maximum output.
3	"	1400KC	Tune for maximum output.	"	A6	Adjust for maximum output.

- DISASSEMBLY INSTRUCTIONS
1. Loosen set screws and remove three control knobs.
  2. Remove lock nut from radio-phonograph control shaft.
  3. Remove turn table from record player.
  4. Remove six screws holding record player in cabinet.
  5. Remove phono-pickup plug from chassis.
  6. Disconnect phono-motor leads.
  7. Remove record player from cabinet.
  8. Remove four screws from bottom of cabinet holding chassis. Remove chassis from cabinet.

HOWARD W. SAMS & CO., INC. Indianapolis 6, Indiana

\*The listing of any available replacement part herein does not constitute in any case a recommendation, warranty or guaranty by Howard W. Sams & Co., Inc., as to the quality and suitability of such replacement part. The numbers of these parts have been compiled from information furnished to Howard W. Sams & Co., Inc., by the manufacturers of the particular type of replacement part listed.

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DATE 9/47 SET 23 FOLDER 4713-18

**PARTS LIST AND DESCRIPTIONS**  
 TUBES (SYLVANIA or Equivalent)

REPLER MODELS  
 5300B, 5300B1, 53001

ITEM No.	USE	REPLER PART No.	STANDARD REPLACEMENT	RMA BASE TYPE	INSTALLATION NOTES
1	Converter	128326	128326	70H	
2	1F Amp.	12846	12846	72K	
3	Def.-AFC-AF	12846	12846	78T	
4	Power Output	5085	5085	78A	
5		5085	5085	78A	

**CAPACITORS**

Capacity values given in the rating column are in mfd. for Electrolytic and Paper Capacitors, and in mmfd. for Mica and Ceramic Capacitors.

ITEM No.	RATING	REPLACEMENT DATA				IDENTIFICATION CODES AND INSTALLATION NOTES
		REPLER PART No.	CORNELL DUBIER PART No.	MALLOY PART No.	SOLAR PART No.	
6	60 CAP. 150V	5233151	28521	28521	28521	80
7	0.05 500V	DT685	DT685	DT685	DT685	804-05
8	0.01 500V	DT685	DT685	DT685	DT685	804-01
9	0.004 500V	DT685	DT685	DT685	DT685	804-004
10	0.002 500V	DT685	DT685	DT685	DT685	804-004
11	0.004 500V	DT685	DT685	DT685	DT685	804-004
12	0.05 500V	DT685	DT685	DT685	DT685	804-05
13	0.05 500V	DT685	DT685	DT685	DT685	804-05
14	0.05 500V	DT685	DT685	DT685	DT685	804-05
15	500 500V	DT685	DT685	DT685	DT685	804-05
16	500 500V	DT685	DT685	DT685	DT685	804-05
17	500 500V	DT685	DT685	DT685	DT685	804-05
18	500 500V	DT685	DT685	DT685	DT685	804-05
19	500 500V	DT685	DT685	DT685	DT685	804-05

Parallel sections to obtain desired capacity.

**CONTROLS**

ITEM No.	RATING	REPLACEMENT DATA				IDENTIFICATION CODES AND INSTALLATION NOTES
		REPLER PART No.	MALLOY PART No.	IRC PART No.	CLAROSTAT PART No.	
10A	1 Meg. 1/2" Shaft	L-30223	Not Req.	D18-137	N-32-2	Volume Control
10B	1/2" Switch	Not Req.	Not Req.	Not Req.	Not Req.	Attach to 11A per instructions

**RESISTORS**

ITEM No.	RATING	REPLACEMENT DATA				IDENTIFICATION CODES
		REPLER PART No.	IRC PART No.	IRC PART No.	IRC PART No.	
20	470KΩ	DT685	DT685	DT685	DT685	804-05
21	22KΩ	DT685	DT685	DT685	DT685	804-05
22	470KΩ	DT685	DT685	DT685	DT685	804-05
23	1 Meg.	DT685	DT685	DT685	DT685	804-05
24	220Ω	DT685	DT685	DT685	DT685	804-05
25	10 Meg.	DT685	DT685	DT685	DT685	804-05
26	220KΩ	DT685	DT685	DT685	DT685	804-05
27	470KΩ	DT685	DT685	DT685	DT685	804-05
28	68Ω	DT685	DT685	DT685	DT685	804-05
29	220Ω	DT685	DT685	DT685	DT685	804-05
30	51Ω	DT685	DT685	DT685	DT685	804-05
31	47Ω	DT685	DT685	DT685	DT685	804-05
32	470KΩ	DT685	DT685	DT685	DT685	804-05
33	10KΩ	DT685	DT685	DT685	DT685	804-05

Note 1 - Not used in all models.

Note 2 - Some models use 47KΩ in this application.

**TRANSFORMER (OUTPUT)**

ITEM No.	RATING	REPLACEMENT DATA				INSTALLATION NOTES
		REPLER PART No.	STANCOR PART No.	THORDARN PART No.	THORDARN PART No.	
34	17000 40 PRI. SEC. 1/2"	L-30264	A-3376e	T22545e	T22545e	*Drill one new mounting hole.

**PARTS LIST AND DESCRIPTIONS (Continued)**

**SPEAKER**

ITEM No.	RATINGS	REPLACEMENT DATA				INSTALLATION NOTES
		REPLER PART No.	JENSEN PART No.	JENSEN PART No.	JENSEN PART No.	
35	8Ω PH	L-10000				
36	4" X 6" COM. DIA. 1/2"					CONE HAS SPECIAL ADJUSTMENT FEATURE-ORDER FROM MANUFACTURER

**R F COILS**

ITEM No.	USE	REPLACEMENT DATA				INSTALLATION NOTES
		DC RES. PRI. SEC.	REPLER PART No.	MEISSNER PART No.	MEISSNER PART No.	
37	1000 AT. 1/2"	2.33	L-30230	L-30230	L-30230	
38	5000 AT. 1/2"	4.59	L-30230	L-30230	L-30230	
39	1000 AT. 1/2"	17.20	L-30250	L-30250	L-30250	
40	Output IF	160	L-30260	L-30260	L-30260	

**DIAL LIGHT**

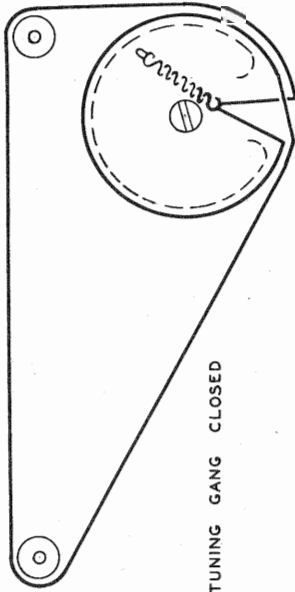
ITEM No.	BASE TYPE	VOLTS	AMPS.	BEAD COLOR	REPLACEMENT DATA		INSTALLATION NOTES
					REPLER PART No.	REPLER PART No.	
41	Bayonet	6-8	0.25A	Blue			Type 44

**PHONO CARTRIDGE**

ITEM No.	REPLER PART No.	ASTATIC PART No.	REMARKS
42A	L-72	L-72	Models 5300B, 5300B1, 53001
42B	QT	QT	Model 53001

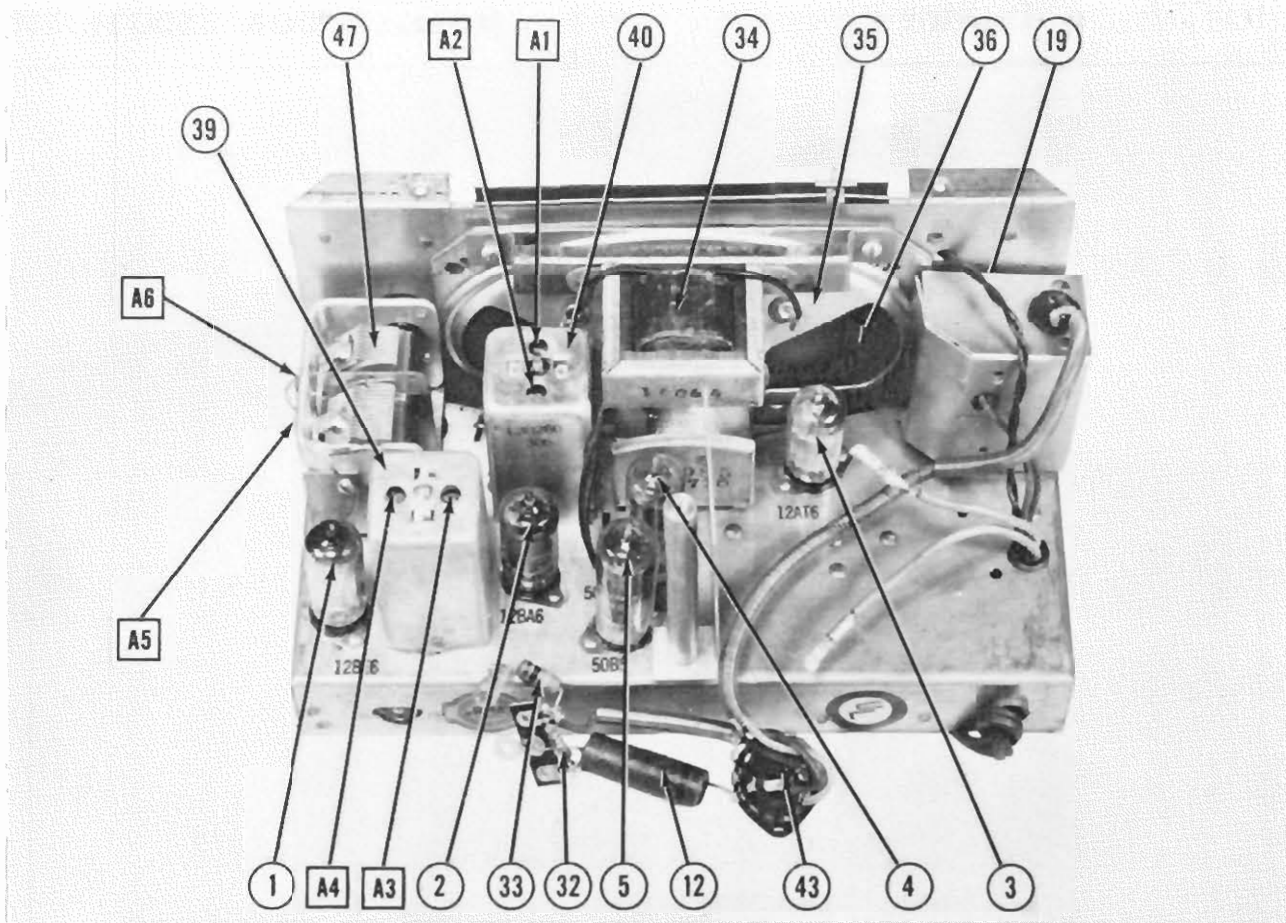
**MISCELLANEOUS**

ITEM No.	PART NAME	REPLER PART No.	NOTES
43	Switch	L-40191	Radio-Phono
44	Rectifier	L-30255	5000-1000
45	Fuse	L-30255	3 Amp.
46	2 Gang Var. Cap.	L-10110	22-451 P.P. 26-102 P.P.

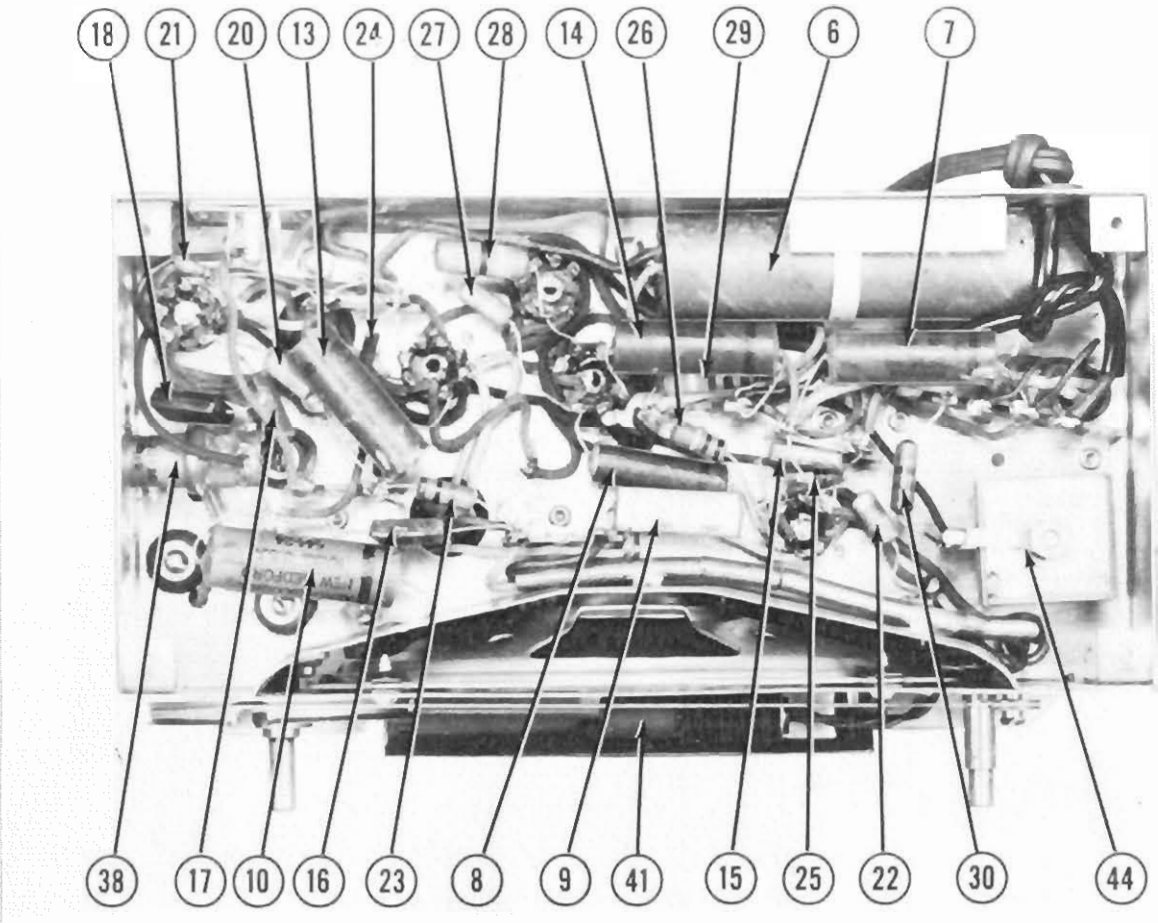


DIAL CORD DRIVE

**CHASSIS—TOP VIEW**



**CHASSIS—BOTTOM VIEW**



REPLER MODELS  
 5300B, 5300B1, 53001