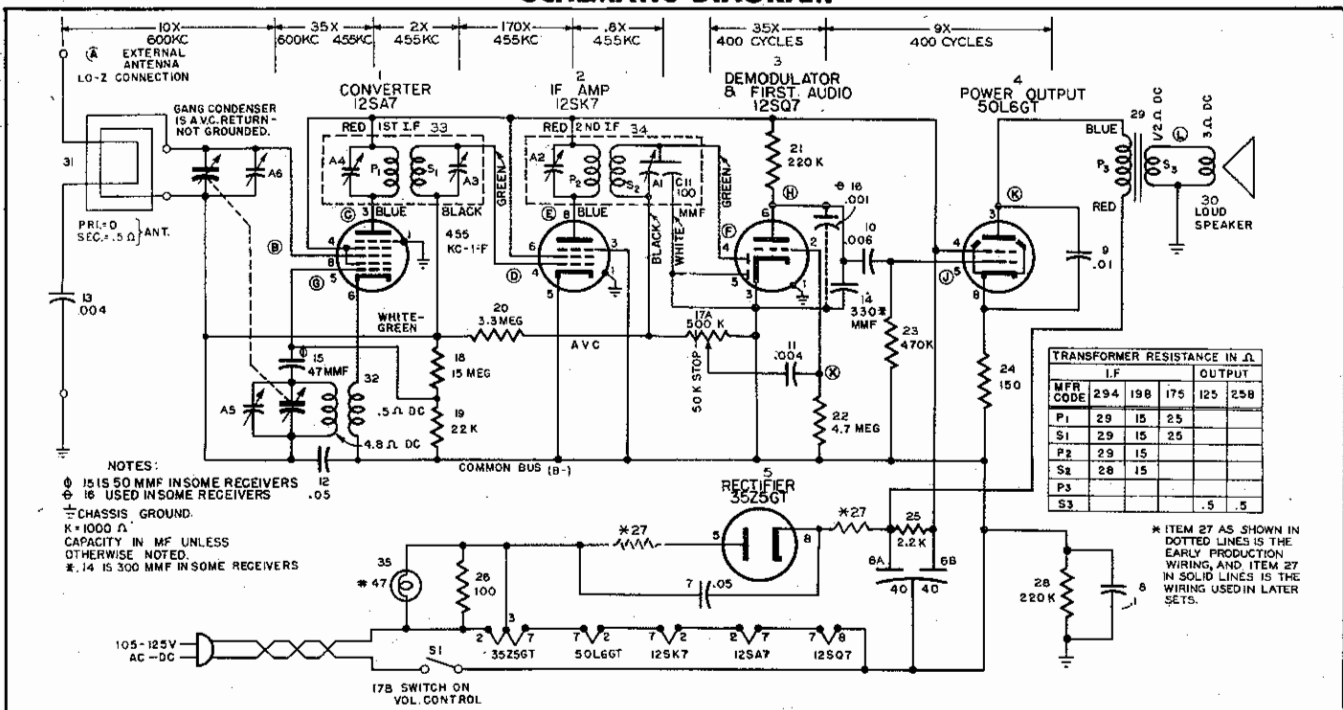
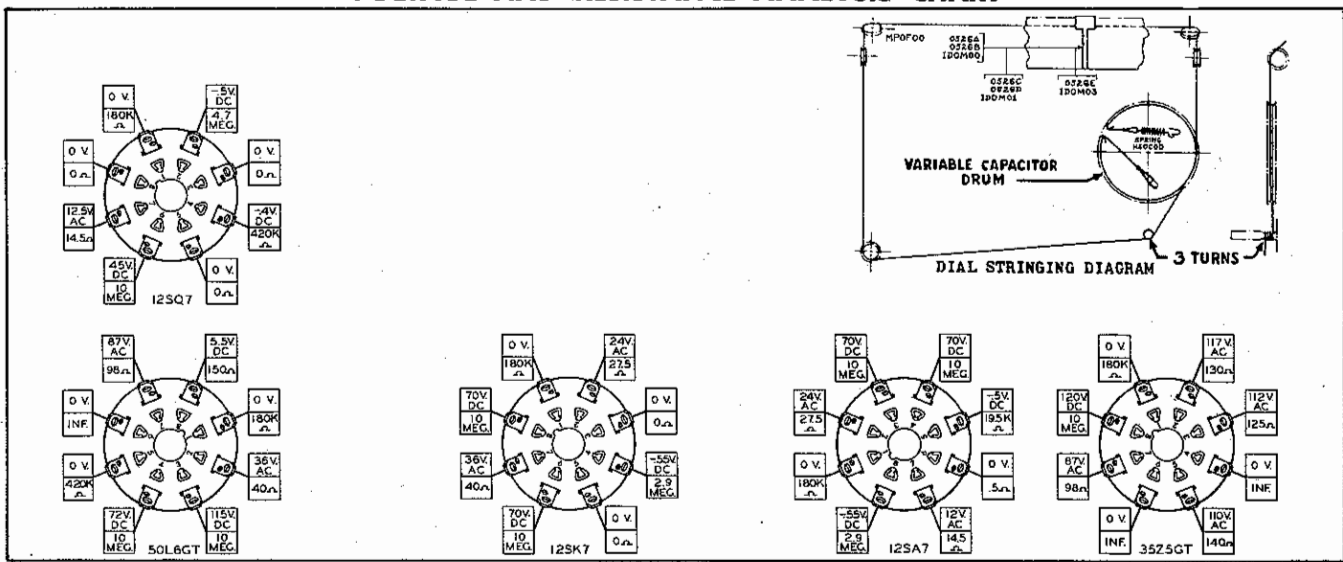


**SCHEMATIC DIAGRAM**



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.

**VOLTAGE AND RESISTANCE ANALYSIS CHART**



- 1 - DC Voltage measurements are at 20,000 ohms per volt; AC Voltages measured at 1000 ohms per volt.
- 2 - Socket connections are shown as 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 + 10% in voltage and resistance readings.
- 6 - Volume control at maximum, no signal applied for voltage measurements.

**HOWARD W. SAMS & CO., INC.**

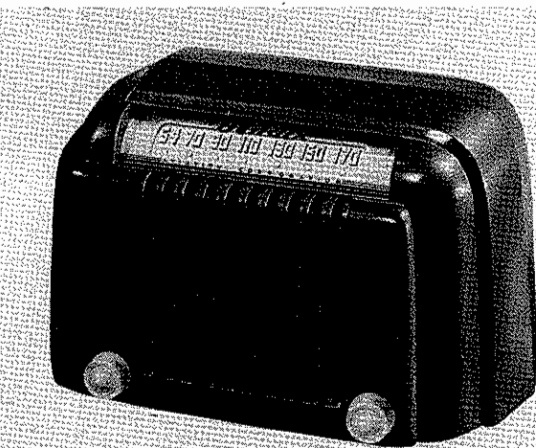
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"The listing of any available replacement part herein does not constitute in any case a recommendation, warranty or guaranty by Howard W. Sams & Co., Inc. as to the quality and suitability of such replacement part. The numbers of these parts have been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

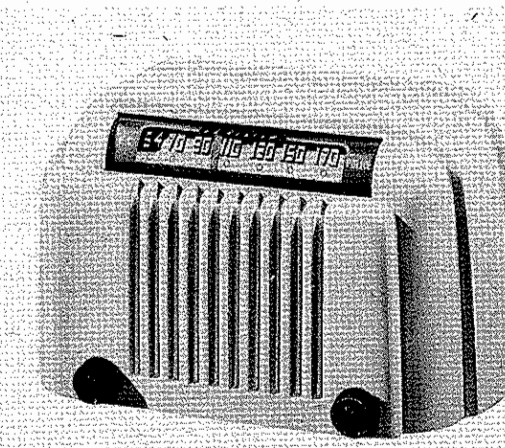
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**PHOTO FACT\* Folder**

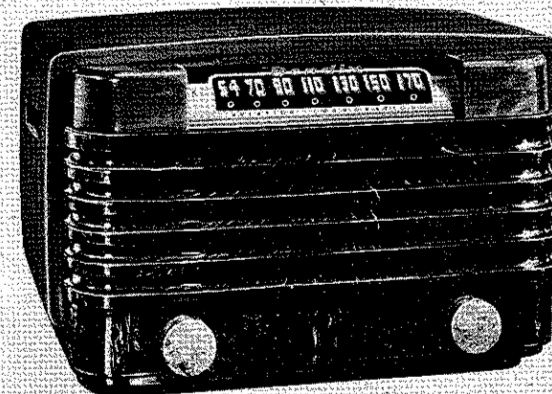
**BENDIX MODEL 0526 SERIES**



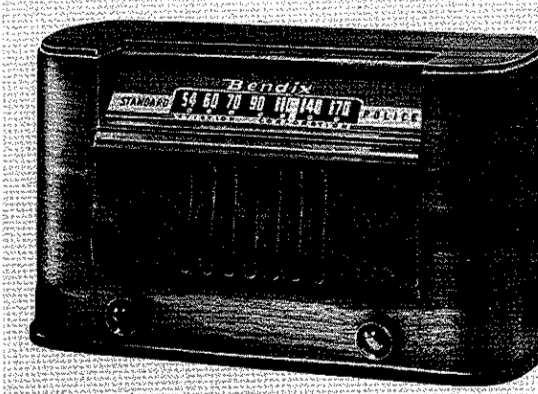
0526A



0526B



0526C



0526E

BENDIX MODEL 0526A

**TRADE NAME** Bendix, Models 0526A, 0526B, 0526C, 0526D, 0526E  
**MANUFACTURER** Bendix Radio Division, Bendix Aviation Corp. - Baltimore 4, Maryland  
**TYPE SET** AC - DC Superheterodyne - Self Contained Loop Antenna  
**TUBES (FIVE)** Types 12SA7 Converter, 12SK7 IF Amp., 12SQ7 Demod., 1st AF, 50L6GT Power Output, 35Z5GT Rectifier.

**POWER SUPPLY** 105-125 Volts AC-DC Rating .235 Amp. @ 117 Volts AC  
**TUNING RANGE-BROADCAST** 535-1725KC **SHORT WAVE**

ALIGNMENT INSTRUCTIONS						
DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	OUTPUT METER	ADJUST	REMARKS
.05MFD.	High side to external ant. post Low to chassis.	455KC	High end of band.	Across voice coil	A1, A2, A3, A4.	Adjust for maximum output. See Note A.
	Loop	1550KC	1550KC Mark.	"	A5	Adjust for maximum output. See Note B.
	"	580KC	580KC Mark.	"	A6	Check for sensitivity and calibration.
<p>Note A - Use isolation transformer if available. If not, isolating capacitor must be connected between signal generator ground lead and receiver chassis. Also decrease dummy ant. to .001 MFD to prevent excessive hum modulation.</p> <p>Note B - Connect signal generator output to loop of few turns of wire and radiate signal to receiver loop by spacing (no direct connection). It may be necessary to "rock" gang slightly while adjusting A6.</p> <p>Check dial calibration with following information. With tuning capacitor in full mesh dial pointer should be 2" from left end of dial back plate. At 580KC dial pointer is 2 1/2" from left end of dial back plate. At 1550KC dial pointer is 5-15/32" from left end of dial back plate. Strip of paper may be clipped on dial back plate for positioning marks.</p> <p>Volume control at maximum volume and output from signal generator no higher than necessary to give output reading. Use insulated alignment screwdriver. On models 0526A, 0526B and 0526E metal plate should be in place on bottom of chassis.</p>						

BENDIX MODEL 0526 SERIES

**PARTS LIST AND DESCRIPTIONS**

**TUBES**

ITEM No.	USE	REPLACEMENT DATA		INSTALLATION NOTES
		BENDIX PART No.	STANDARD REPLACEMENT	
1	Converter	129A7	6R	
2	1P. AFD.	129K7	8N	
3	Demod.-IAP	129G7	8Q	
4	Power Output	50L6GT	7AC	
5	Rectifier	35Z5GT	6AD	

**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 CAP. VOLTS	REPLACEMENT DATA			IDENTIFICATION CODES AND INSTALLATION NOTES
		BENDIX PART No.	MALLOY PART No.	SOLAR PART No.	
6 (A)	40	CE2A00	FP214	DI-2X50-150	UF5EJ24 Filter
7 (B)	40	CP8T40	TP415	S-6-06	DT9SS Line Bypass
8	.05	CP4T51	TP428	TC-1	DT4F1 Line Isolating
9	.1	CP4T51	TP421	S-4-1	DT4S1 SOLE Plate Bypass
10	.004	CP8T16	TP407	TC-11	DT9H4 Audio Coupling
11	.004	CP8T16	TP407	S-8-004	DT9H4 AVC Filter
12	.05	CP4T40	TP425	TC-24	DT9H4 AVC Filter
13	6000	CP4T40	TP425	TPW-26	DT9H4 Audio Coupling
14	500	CP5L34	MP224	1F4-24	DT9H4 Audio Plate Bypass
15	500	CP5L34	MP224	1F4-45	DT9H4 Osc. Grid Cond.
16	1000	CP5L46	MP225	MO.3-21	DT9H4 Audio Plate Bypass

**CONTROLS**

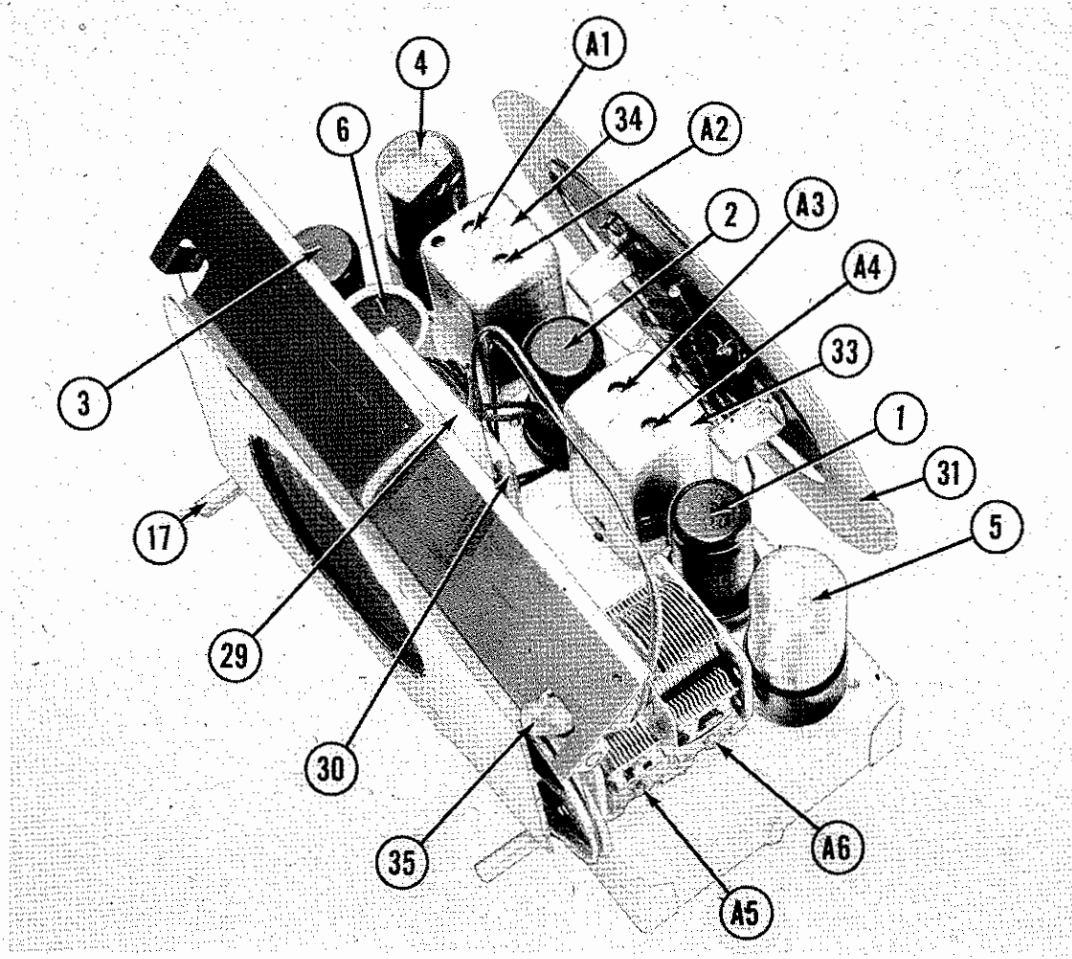
ITEM No.	RATING RESIST. ANCE	WATTS	REPLACEMENT DATA			INSTALLATION NOTES
			BENDIX PART No.	MALLOY PART No.	ICR PART No.	
17 (A)	500K $\Omega$	1	RV6500	*MR48	*D1E-133	*See Inst. Note 1.
17 (B)	Switch		Not Req.	125	41	See Inst. Note 1.
17 (C)	Inst. Note 1				SW-A	Attach to 17A per instructions

Install a 50K $\Omega$  resistor in series with the right hand terminal of the control and the lead connecting to the same terminal of the original control. (Control viewed from front side, terminals down.)

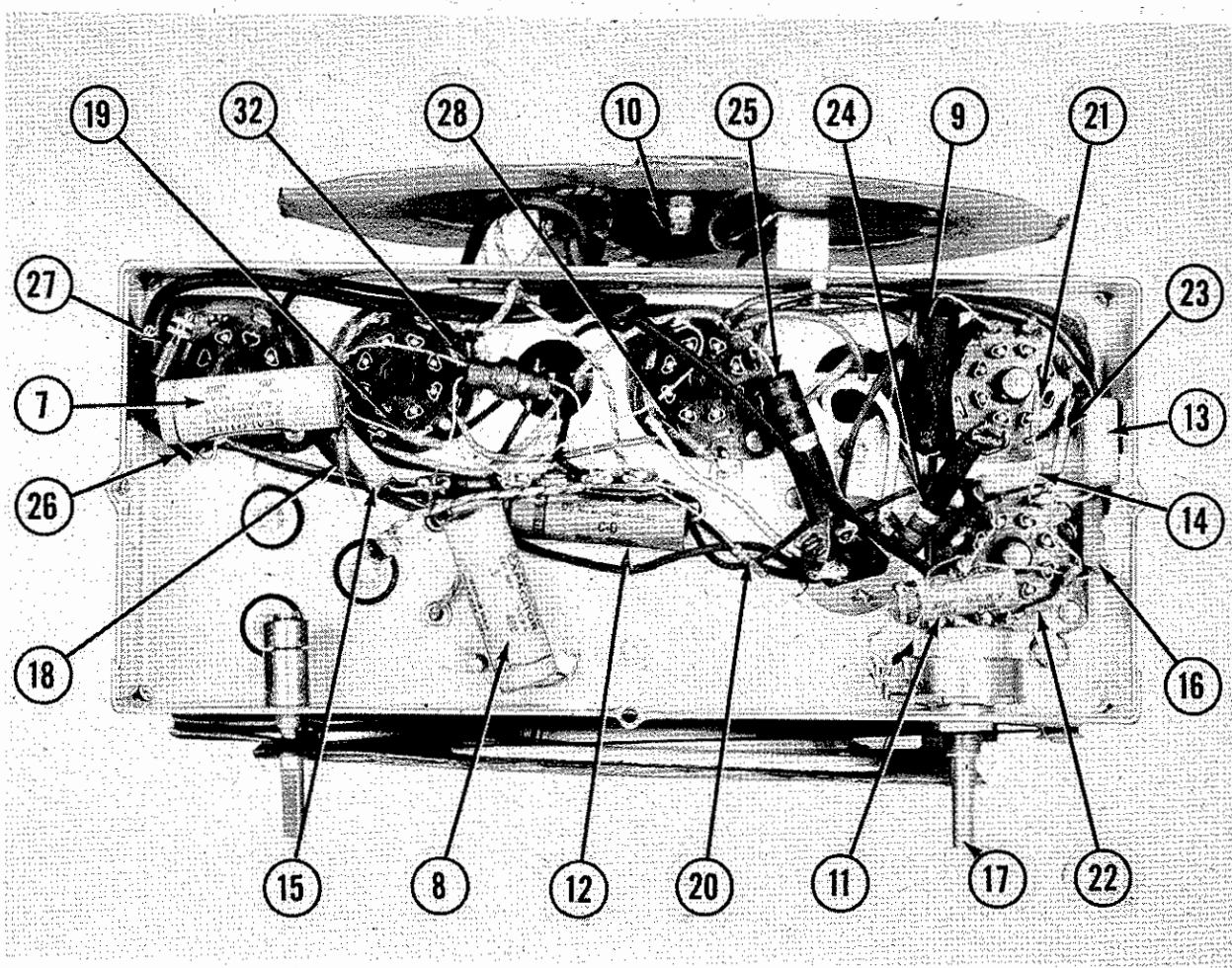
**RESISTORS**

ITEM No.	RATING RESISTANCE	WATTS	REPLACEMENT DATA			IDENTIFICATION CODES
			BENDIX PART No.	ICR PART No.	ICR PART No.	
18	15 Meg.	1/2	RCLH76	BTS-15	MEG.	Br.-Grn.-Blue AVC Network
19	22K $\Omega$	1/2	RCLH40	BTS-22K		Red-Red-Or. Osc. Grid
20	5.3 Meg.	1/2	RCLH66	BTS-5.3	MEG.	Or.-Or.-Grn. AVC Network
21	220K $\Omega$	1/2	RCLH54	BTS-220K		Red-Red-Yl. Plate Load
22	4.7 Meg.	1/2	RCLH70	BTS-4.7	MEG.	Yl.-Yl.-Yl. 1st AF Grid
23	470K $\Omega$	1/2	RCLH58	BTS-470K		Yl.-Yl.-Yl. Output Grid
24	150 $\Omega$	1	RWB114	BW-1-150		Br.-Grn.-Br. Output Cathode
25	2200 $\Omega$	1/2	FC4328	BY-2-2200		Red-Red-Red Filter
26	100 $\Omega$	1	RC3H12	BK-1-100		Br.-Blk.-Br. Pilot Light Ballast
27	33 $\Omega$	1	RMA03	BK-1-33		Or.-Or.-Blk. Rectifier Ballast
28	220K $\Omega$	1/2	RCLH54	BTS-220K		Red-Red-Yl. Line Isolating

**CHASSIS—TOP VIEW**



**CHASSIS—BOTTOM VIEW**



**PARTS LIST AND DESCRIPTIONS**

**TRANSFORMER (OUTPUT)**

ITEM No.	RATING IMPEDANCE	DC RES. PRI. SEC.	PRI. SEC.	RES. PRI. SEC.	REPLACEMENT DATA			INSTALLATION NOTES	
					BENDIX PART No.	STANCOR PART No.	UTAH PART No.		
29	1540 $\Omega$	3.2 $\Omega$	142 $\Omega$	.5 $\Omega$	TA0000	A3865*	T-148624	8775#	Lead mounting tabs down and mount by original bracket. Mounting bracket must be improvised.

**SPEAKER**

ITEM No.	RATINGS FIELD RES. PRI. SEC.	VC. IMP. PH.	VC. DIA.	REPLACEMENT DATA			INSTALLATION NOTES
				BENDIX PART No.	JENSEN PART No.	UTAH PART No.	
30	8K $\Omega$	3.2 $\Omega$	4"	SP4R00	SP-113*	4P*	Regule baffle to replacement speaker. Mounting bracket must be improvised.
				CS4R00	None	None	Use with SP4R00 (Code 252)
				CS4R01	"	"	(Code 252)
				CS4R02	"	"	(Code 277)
				CS4R03	"	"	(Code 256)
				CS4R04	"	"	(Code 191)

**R F COILS**

ITEM No.	USE	REPLACEMENT DATA			INSTALLATION NOTES
		BENDIX PART No.	WEISSNER PART No.	WEISSNER PART No.	
31	Loop Ant.	AL0000			
32	Osc.	L02800			
33	Input IF	T10000	16-4658		
34	Output IF	T10000			

**DIAL LIGHT**

ITEM No.	BASE TYPE	VOLTS	AMPS.	REPLACEMENT DATA		INSTALLATION NOTES
				BEAD COLOR	BENDIX PART No.	
35	1 1/2 in. Bayonet	6-8	0.15	brown	#47	

**MISCELLANEOUS**

ITEM No.	PART NAME	BENDIX PART No.	NOTES
A5	Trimmer	CV0801	Part of CV0801
A6	Tuning Cap. Knob	KC0801	2 gang variable tuning capacitor
		KC0803	OS26A
		KC0805	OS26B
		KC0801	OS26C
		KC0802	OS26E
	Dial Scale	DS0A03	OS26A, OS26E
		DS0A05	OS26C (Glass)
		DS0A05	OS26D
		DS0A07	OS26E