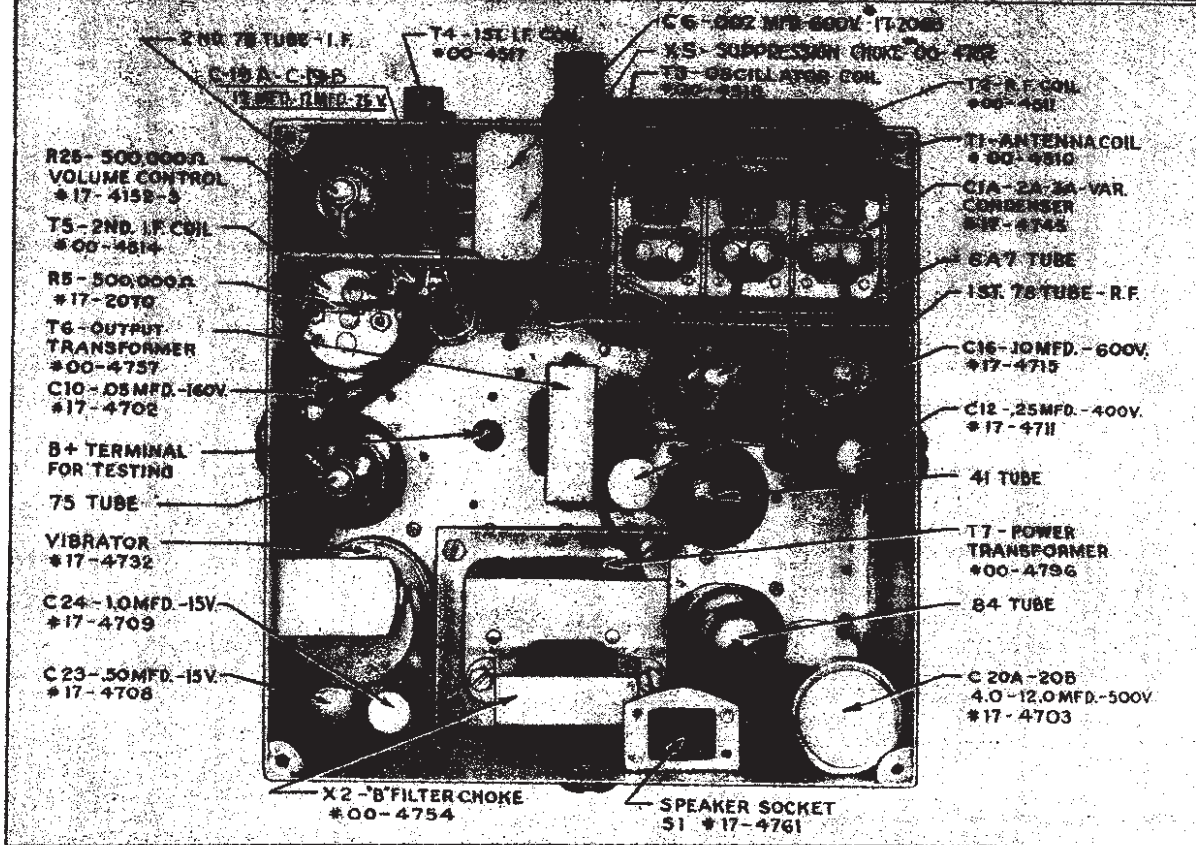
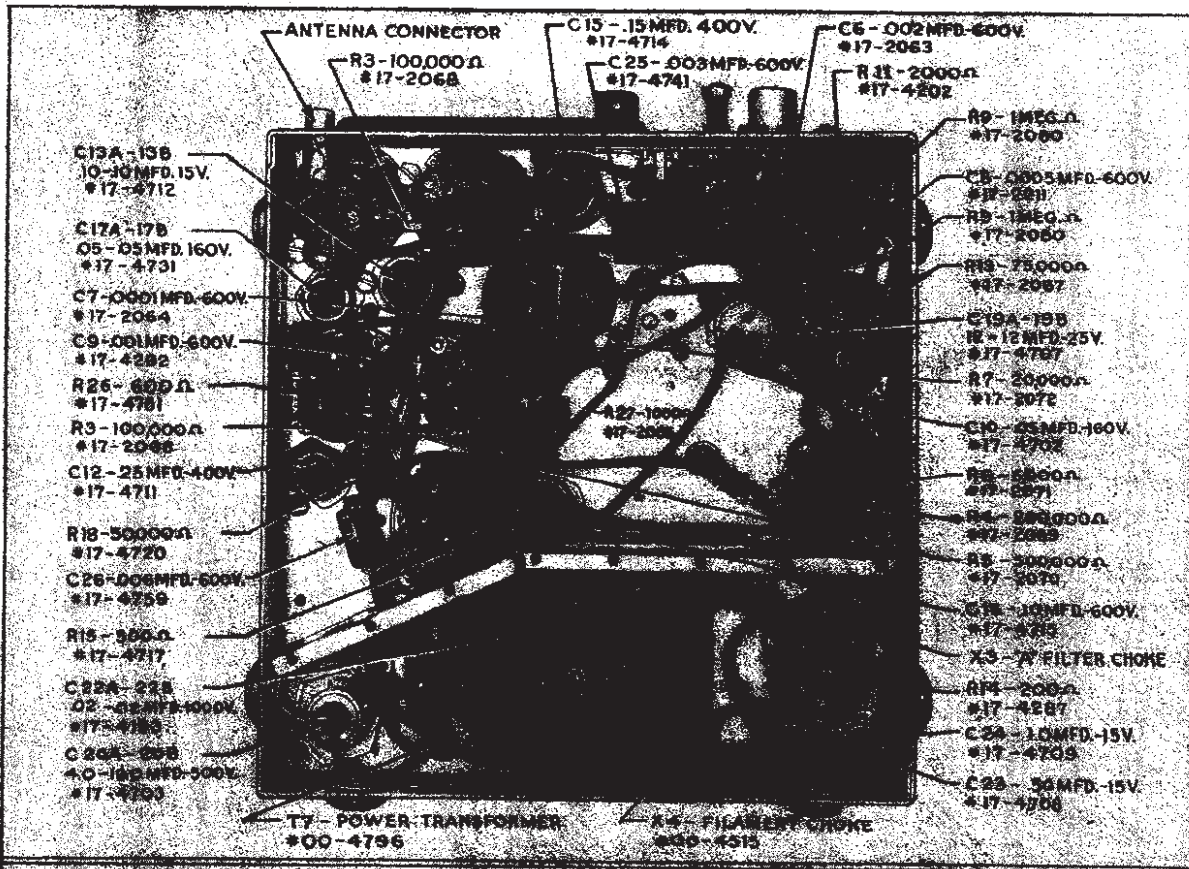


MODEL 17

Chassis Layouts

NOBLITT SPARKS INDUSTRIES



NOBLITT SPARKS INDUSTRIES

MODELS 17,27
Changes

MODEL NO. 17

1. R3—100,000 ohm $\frac{1}{4}$ watt (17-2068) resistor in 6A7 No. 1 grid circuit has been changed to R29—50,000 ohm $\frac{1}{4}$ watt (17-2060).
2. R24—1,000 ohm $\frac{1}{4}$ watt resistor has been inserted in 6A7 No. 1 grid circuit.
3. R2—400 ohm $\frac{1}{4}$ watt resistor has been changed to R10—500 ohm $\frac{1}{4}$ watt. Allowable variations on R2 was from 200 to 600 ohms. Allowable variation on R10 is from 400 to 600 ohms.
4. R10—500 ohm $\frac{1}{4}$ watt resistor on cathode of 78 tube has been changed to R28—1,500 ohm $\frac{1}{4}$ watt.
5. C12 and C26 capacitors have been combined into one dual condenser, part No. 17-4742, .006 mfd 800 volt (lead with red dot is .006 mfd unit) and .25 mfd 400 volt.
6. X5 suppression choke, 00-4782, has been added in "A" line.

MODEL NO. 27

1. R3—100,000 ohm $\frac{1}{4}$ watt (17-2068) resistor in 6A7 No. 1 grid circuit has been changed to R29—50,000 ohm $\frac{1}{4}$ watt (17-2060).
2. R24—1,000 ohm $\frac{1}{4}$ watt resistor has been inserted in 6A7 No. 1 grid circuit.
3. R2—400 ohm $\frac{1}{4}$ watt resistor has been changed to R10—500 ohm $\frac{1}{4}$ watt. Allowable variation on R2 was from 200 to 600 ohms. Allowable variation on R10 is from 400 to 600 ohms.
4. R10—500 ohm $\frac{1}{4}$ watt resistor on cathode of 78 tube has been changed to R28—1,500 ohm $\frac{1}{4}$ watt.
5. C12 and C26 capacitors have been combined into one dual condenser, part No. 17-4742, .006 mfd 800 volt (lead with red dot is .006 mfd unit) and .25 mfd 400 volt.
6. X5 suppression choke, 004782, has been added in "A" line.
7. C6—.002 mfd mica condenser has been inserted ahead of X5 suppression choke and connected from battery side of X5 to ground.
8. Dial light, part No. 17-2145 (with screw base), has been changed to dial light, part No. 17-4857 (with bayonet base).
9. Speaker plug socket, 17-4761 (3 prong), has been changed to speaker plug socket, 17-4447 (4 prong).
10. Ammeter cable, 00-4778-1, has been added. List Price, \$.70.
Note: On Model 17A this cable is shorter and carries part No. 00-4778-2. List Price, \$.65.
11. Fuse, 17-2228, has been added. List Price, \$.05.
12. It was found in the field that in some instances motor noise entered the receiver where the local-distance plug and tone control plug were attached. A change in the mechanical design which eliminated this difficulty was made beginning with those sets from which the louvers were omitted.
11. Ammeter cable, 00-4778-1, has been added. List Price, \$.70.
12. Fuse, 17-2228, has been added. List Price, \$.05.
13. Beginning with serial No. D44011H the type 75 tube was replaced with a 6B7, triode connected.
14. C25—.003 mfd 600 volt condenser was changed to C26—.006 mfd 600 volt.
15. Beginning with serial No. E45219H, the triode connection on the 6B7 was changed to a pentode connection, and changes as per paragraphs 16, 17, and 18 were made.
16. C12—.25 mfd 400 volt condenser was added as a screen by-pass from screen of 6B7 tube to ground.
17. R9—1 megohm $\frac{1}{4}$ watt resistor was added as a screen dropping resistor from +B to screen of 6B7 tube.
18. C26—.006 mfd 600 volt condenser was changed to C25—.003 mfd 600 volt.
19. Under conditions outlined in paragraph 15, voltages on the 6B7 are as follows (using a 1333 ohm per volt meter): Plate 60, Screen 30, cathode 1.7.
20. It was found in the field that in some instances motor noise entered the receiver where the local-distance plug and tone control plug were attached. A change in the mechanical design which eliminated this difficulty was made beginning with those sets from which the louvers were omitted.

NOBLITT SPARKS INDUSTRIES

MODELS 17, 17A, 27, 37
Alignment, Parts
MODEL 37
Changes

MODEL NO. 37

MODELS 17-17A-27-37

5. C6—.002 mfd mica condenser has been inserted ahead of X5 suppression choke and connected from battery side of X5 to ground.
6. Dial light, part No. 17-2145 (with screw base), has been changed to dial light, part No. 17-4857 (with bayonet base).
7. Battery cable assembly, 00-4200-2. Part number changed to 00-4776.
8. It was found in the field that in some instances motor noise entered the receiver where the local-distance plug and tone control plug were attached. A change in the mechanical design which eliminated this difficulty was made beginning with those sets from which the louvers were omitted.

SPECIAL NOTE:

All 1935 Arvin Car Radios may be balanced for a maximum of 1720 kilocycles to cover some of the police bands in that region. The following procedure is necessary:

1. Rotate condenser fully out of mesh. Connect oscillator to antenna lead and set to 1720 K. C.
2. Adjust oscillator trimmer until maximum signal is obtained.
3. Set oscillator input to 1400 K. C. and turn dial until signal is tuned in.
4. Adjust R. F. and antenna trimmer for maximum output.

For remainder of balancing procedure follow instructions exactly as directed for standard adjustment in 7 and 8. With adjustment for 1720 K. C. maximum, the dial will not read accurately for all frequencies above 1000 kilocycles.

1. R3—100,000 ohm 1/4 watt (17-2068) resistor in 6A7 No. 1 grid circuit has been changed to R29—50,000 ohm 1/4 watt (17-2060).

2. R24—1,000 ohm 1/4 watt resistor has been inserted in 6A7 No. 1 grid circuit.

3. R2—400 ohm 1/4 watt resistor has been changed to R26—600 ohm 1/4 watt. Allowable variation on R2 was from 200 to 600 ohms. Allowable variation on R26 is from 500 to 700 ohms.

4. X5 suppression choke, 00-4782, has been added in "A" line.

1. Remove front cover, connect oscillator to grid cap of 6A7 tube. Set to 175 K. C. (Set volume control full on for all adjustments.) Adjust output of oscillator until output meter begins to read.

2. With a screwdriver adjust the 2nd. I. F. trimmer for maximum output.

3. Adjust 1st. I. F. trimmers (inside screw and outer box nut also) for maximum output.

4. Connect oscillator to antenna lead; set to 1400 K. C.

5. Turn variable condenser fully out of mesh; set dial pointer to 1620 K. C. Then turn control knob until pointer is at 140.

6. Adjust oscillator trimmer until signal is received. Then adjust R. F. and antenna trimmers for maximum output.

7. Set sensitivity control in "full sensitivity position." Set dial to 600 K. C. Adjust series paddler for maximum hiss. (Circuit noise.)

8. Connect set to car aerial and tune in a very weak station 120 to 150 on dial. Adjust antenna trimmer only.

PART NO.	DESCRIPTION	PRICE
17-4284	Spark Plug Suppressor	.40
17-4285	Distributor Suppressor	.50
17-4701	Generator Condenser	.50
00-4458	Domed Plug In Filter	.10
17-4772	Dial Light 54 Volts	.15
17-4732	Vibrator (4 prong)	4.00
17-4236	8" Speaker Cone Assembly (in carton)	1.80
17-4235	6" Speaker Cone Assembly (in carton)	1.20
17-4232	Speaker Assembly (17)	4.50
17-4233	Speaker Assembly (27)	5.50
17-4234	Speaker Assembly (37)	5.50
17-4237	Speaker Assembly (17A)	4.50
23-4490	Stud and Nut (Set Mounting)	.10
12-565	Stud and Nut (Speaker Mounting) Model 87	.15
23-4037	Carton—17 or 27	.60
23-4255	Carton—37	.95
29-4664	78 Socket	.15
29-4665	6A7 Socket	.15
17-2043	6B7 Socket	.15
17-2044	75 Socket	.15
17-2045	41 Socket	.15
17-2046	74 Socket	.15
17-2047	74 Socket	.15
17-4774	Speaker Front Screw, per dozen	.10
10-4804	Flex Shaft Set Screw, per dozen	.10
10-4810	No. 8x1/4 Self Tapping Screw, Hex Head, per dozen	.10
10-4811	No. 8x1/4 Self Tapping Screw, Binding Head, dozen	.10
10-4844	Worm Gear Drive Assembly	1.00

REMOTE CONTROL PARTS

29-4679	Remote Control (17A) Without Bracket or Housing	2.75
29-4678	Remote Control (17) Without Bracket or Housing	2.75
29-4649	Remote Control (37) Without Bracket or Housing	2.75
29-4646	Steel Housing (Model 27)	2.75
29-4644	Steel Housing (Model 37)	2.75
29-4632	Eye Bolt and Nut (Model 17 only)	.10
29-4633	Strap Knob—Walnut Bakelite	.05
29-4634	Tuning Knob—Ivory	.10
29-4635	Local Distance or Tone Control Knob	.10
29-4636	Dial Glass	.15
29-4637	Steering Column Bracket	.20
29-4638	Porcelain Taupé Fenite Tuning Knob (17A)	.10

FLEXIBLE SHAFTS

00-4641	Condenser Drive 6" length	.45
00-4642	Condenser Drive 9" length	.60
00-4643	Condenser Drive 12" length	.70
00-4644	Condenser Drive 15" length	.85
00-4645	Condenser Drive 18" length	.95
00-4646	Condenser Drive 21" length	1.20
00-4647	Condenser Drive 24" length	1.20
00-4648	Condenser Drive 27" length	1.45
00-4649	Volume Control Drive 6" length	.60
00-4650	Volume Control Drive 9" length	.70
00-4651	Volume Control Drive 12" length	.85
00-4652	Volume Control Drive 15" length	.95
00-4653	Volume Control Drive 18" length	1.00
00-4654	Volume Control Drive 21" length	1.20
00-4655	Volume Control Drive 24" length	1.20
00-4656	Volume Control Drive 27" length	1.40
00-4657	Volume Control Drive 30" length	1.40
00-4658	Volume Control Drive 36" length	1.40