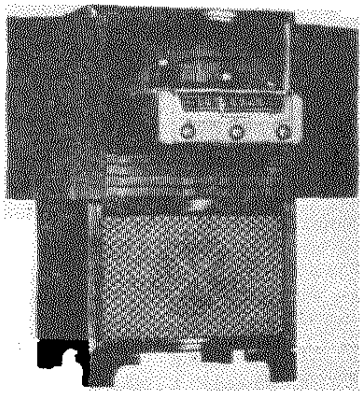
SPECIFICATIONS

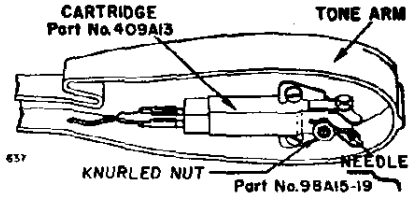


Models 6N25, 6N26, 6N27.

Models 6N25, 6N26 and 6N27 are combination sets consisting of a 5R2 radio chassis, a 1PA4 power supply and a RC550 record changer. The 5R2 radio chassis is a 5 tube (AM only) superhetrodyne receiver used with a 1PA4 (one tube) power supply. Operate the radio and record changer only from a 60 cycle AC (alternating current) power line of from 110 to 120 volts. Power, 80 watts.

RECORD CHANGER SERVICE DATA

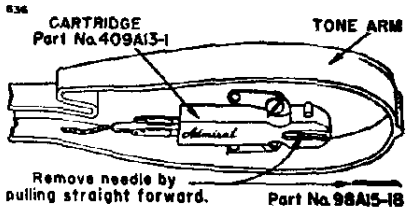
The changer model number will be found stamped at the top rear of the changer base and also on the changer model label.



Tone Arm with Cartridge
Part No. 409A13

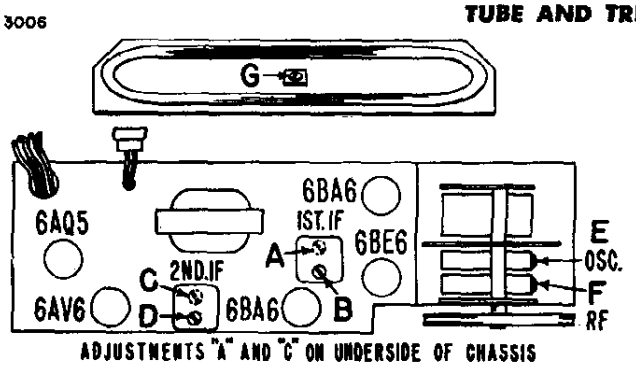
Cartridge and Needle

As shown in the illustrations at right, alternate cartridges may be used. Cartridges are interchangeable when complete with needle.



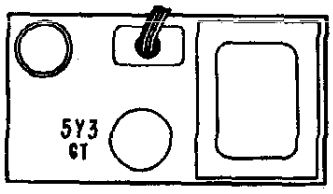
Tone Arm with Cartridge
Part No. 409A13-1

TUBE AND TRIMMER LOCATION



ADJUSTMENTS "A" AND "C" ON UNDERSIDE OF CHASSIS

Radio Trimmer Locations.



1PA4 Power Supply

MODELS 6N25, 6N26,
6N27, Ch. 5R2

ALIGNMENT PROCEDURE

IMPORTANT: For IF alignment, it will be necessary to disassemble the radio chassis from the escutcheon and housing and also remove the chassis cover and dial scale assembly. The antenna, RF and oscillator trimmers are accessible from top of chassis; disassembly of chassis cover and dial scale will generally not be required.

- Connect output meter across speaker voice coil.
- Turn receiver Volume control fully on; Tone control fully clockwise.
- Radio-Phono switch in "Radio" position.
- Antenna must be connected and placed in the same relative position to the chassis as when in the cabinet.
- Use lowest output setting of signal generator that gives a satisfactory reading on meter.
- Use a non-metallic alignment tool for IF adjustments.
- Repeat adjustments to insure good results.

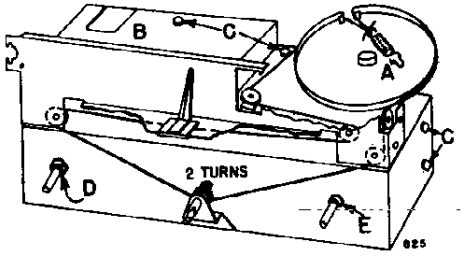
Step	Dummy Antenna in Series with Signal Generator	Connection of Signal Generator (High Side)	Signal Generator Frequency	Receiver Gang Setting	Trimmer Description	Trimmer Designation	Type of Adjustment
1	.1 mfd. condenser	Pin 7 of 6BE6 tube	455 KC	Gang fully open	2nd IF 1st IF	*A, B *C, D	Maximum Output
2	.1 mfd. condenser	Tuning condenser, antenna stator	1620 KC	"	Oscillator	E	"
3	Loop of several turns of wire, or place generator lead close to receiver loop for adequate signal.	No actual connection (signal by radiation)	1400 KC	Tune in generator signal	RF	F	"
4	"	"	"	"	Antenna	G	"

*Adjustments "A" and "C" are made from underside of chassis.

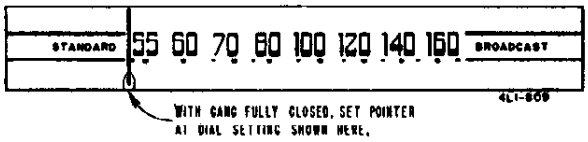
REMOVING RADIO CHASSIS FROM HOUSING

To remove the radio chassis from the front housing proceed as follows:

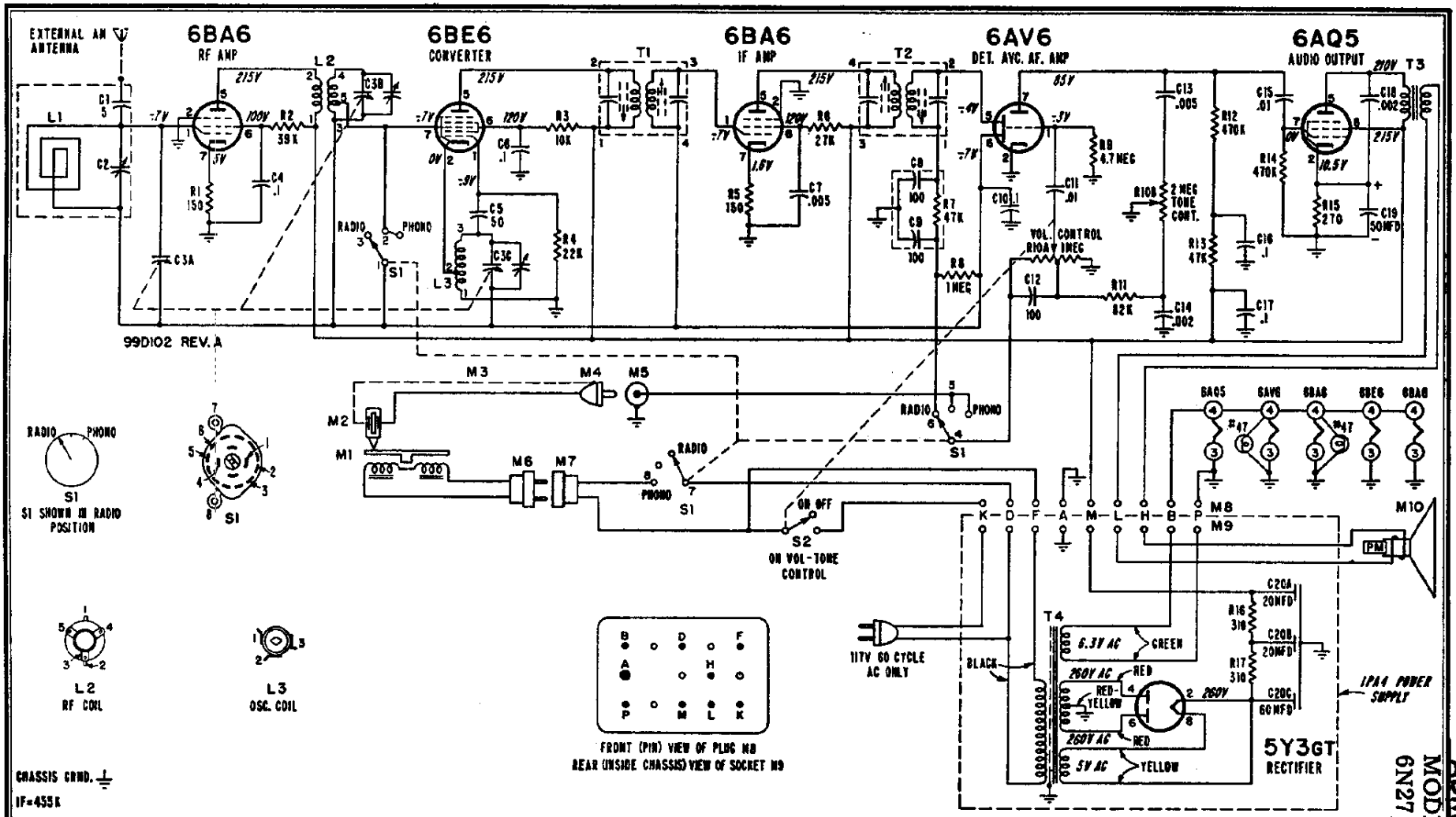
1. Position the gang condenser drum as shown below.
2. Unhook spring at "A".
3. Keeping tension on dial cord, hook spring to edge of cut out at "B".
4. Remove six screws "C" and hex nuts "D" and "E".
5. Remove front housing from chassis.
6. Reassemble in reverse order. See illustration below for pointer setting.



Radio Chassis With Front Housing Removed.
Dial Stringing Also Shown.



Dial Scale and Pointer Setting.



VOLTAGE DATA

Voltages given on schematic diagram.

- All readings made between tube socket terminals and chassis.
- Radio-Phono switch in "Radio" position.
- Volume control minimum; dial turned to low end.
- Measured on 117 Volt, 60 Cycle AC line.
- Voltages measured with Vacuum Tube Voltmeter.

MODELS 6N25, 6N26, 6N27, Ch. 5R2

RESISTORS

Symbol	Description	Part No.
R1	150 ohms, ½ watt	60B 8-151
R2	39,000 ohms, 1 watt	60B 14-393
R3	10,000 ohms, 1 watt	60B 14-103
R4	22,000 ohms, ½ watt	60B 8-223
R5	150 ohms, ½ watt	60B 8-151
R6	27,000 ohms, 1 watt	60B 14-273
†R7	47,000 ohms, ½ watt	
R8	1 megohm, ½ watt	60B 8-105
R9	4.7 megohms, ½ watt	60B 8-475
R10A R10B	1 megohm, Volume } pot 2 megohms, Tone }	75B 11-11
(R10 includes switch S2)		
R11	82,000 ohms, ½ watt	60B 8-823
R12	470,000 ohms, ½ watt	60B 8-474
R13	47,000 ohms, ½ watt	60B 8-473
R14	470,000 ohms, ½ watt	60B 8-474
R15	270 ohms, 2 watts	60B 20-271
R16 R17	310 ohms, 5 watts } 310 ohms, 5 watts }	61A 5-10

CONDENSERS

Symbol	Description	Part No.
C1	5 mmfd, mica	65B 1-62
C2	2 to 20 mmfd, trimmer	66B 8-5
C3A C3B C3C	420 mmfd, max. 193.8 mmfd, max. } Gang 90 mmfd, max.	68B 46-2
	(Note: Dial drum spot-welded to gang)	
C4	.1 mfd, 400 volts, paper	64B 5-20
C5	50 mmfd, ceramic	65B 6-4
C6	.1 mfd, 400 volts, paper	64B 5-20
C7	.005 mfd, min, ceramic	65A 10-1
†C8	100 mmfd, ceramic	
†C9	100 mmfd, ceramic	
C10	.1 mfd, 200 volts, paper	64B 5-30
C11	.01 mfd, min, ceramic	65A 10-3
C12	100 mmfd, min, ceramic	65B 6-3
C13	.005 mfd, min, ceramic	65A 10-1
C14	.002 mfd, min, ceramic	65A 10-7
C15	.01 mfd, min, ceramic	65A 10-3
C16	.1 mfd, 400 volts, paper	64B 5-20
C17	.1 mfd, 400 volts, paper	64B 5-20
C18	.002 mfd, 600 volts, paper	64B 5-14
C19	50 mfd, 25 volts, elect	67A 4-10
C20A C20B C20C	20 mfd, 350 volts } 20 mfd, 350 volts } Elect 60 mfd, 400 volts }	67C 15-17

COILS, TRANSFORMERS, ETC.

Symbol	Description	Part No.
L1	Antenna Loop	69C116-2
L2	Coil, RF	69A 115-2
L3	Coil, Oscillator	69A 52-5
T1	Transformer, 1st IF	72B 28-7
T2	Transformer, 2nd IF	72B 28-7
T3	Transformer, Output	79A 22
T4	Transformer, Power	80B 22
M10	Speaker (8" PM)	78B 49-3
S1	Switch, Radio-Phono	77A 28-2
S2	Switch, On-Off	Part of R10
	Diode Filter	63A3-1

MISCELLANEOUS PARTS

Symbol	Description	Part No.
M5	Socket, Phono Input	88A1
M7	Socket, Phono Motor	89A 6-11
M8	Plug, Cable Connector	88A 20-1
	Cover and Insulator (for plug 88A20-1)	88A 20-12
	Cable (9 wire), including Plug and cover	AB225
M9	Socket, Cable	88A 20-2
Clip, IF Transformer Mtg		72B 28-10
Cover Assembly, Chassis		A1880
Dial Back and Bracket Assembly		A1881
Dial Cord (50" length needed)		50A 1-3
Dial Scale		22B 23-1
Escutcheon, Radio		23D 63-3
Grommet, Gang Mounting		12A 1-2
Pilot Light, #47		81A 1-8
Pointer, Metal Dial		25A 37
Shaft, Tuning		28A 48-1
Snap Button (for mtg. dial scale)		13A 1-1-71
Socket, Pilot Light		82A 6-3
Socket, Tube (7 pin miniature)		87A 3-7
Spacer Sleeve (for mounting gang)		29A 2-1-71
Speed Nut (for mounting radio escutcheon)		2B 12-4-68
Spring, Dial Cord Tension		19B 1-3
Spring, Hairpin (for tuning shaft)		19A 2-5

CABINET PARTS

Description	Part No.
Back, Cabinet	43C 169-2
*Cabinet, Wood	
Walnut (6N25)	35E 189-1
Mahogany (6N26)	35E 189-2
Blond (6N27)	35E 189-3
Cartons and Fillers	44B 202
§Door Catch and Strike Plate	See § note below
Door Handle	37A 64-1
Doors, Matched Pair	
for Walnut (6N25)	35E 189-50
for Mahogany (6N26)	35E 189-51
for Blond (6N27)	35E 189-52
Grille Cloth	
for Walnut (6N25) and Mah. (6N26)	36C 3-60
for Blond (6N27)	36C 3-61
§Hinge, Knife Door	See § note below
Knob, 'Radio-Phono', Tuning	33D 55-1
Knob, 'Tone'	33D 55-4
Knob, 'Volume'	33D 55-5
Bracket, Slide-out Drawer Stop	15A 782
Pull, Slide-out Drawer	37A 66-1
Slide, Drawer	37A 32-9

PHONOGRAPH PARTS

Symbol	Description	Part No.
M1	Motor, Phono (3 speed)	407B 19
M2	Cartridge Pickup (includes needle)	409A 13 or 409A 13-1
M3	Cable, Shielded Pickup (includes plug)	413A 11-2
M4	Plug, Pickup Cable	88A 2-3
M6	Plug, Motor (Male)	88A 8-1
Adapter, 45 RPM (envelope of 12)		43A 8-1
Button, Snap-in Plug		13A 2-8-57
Belt, Rubber Drive		406A 20
Centerpost, Record		G400B 505-1
Idler Wheel (includes tire)		G400A 59
Needle, Pickup for 409A13 cartridge		88A 15-19
for 409A13-1 cartridge		88A 15-18
Needle Retaining Nut (for 409A13 cartridge)		88A 54-2
Screw and Washer, Changer Mounting (10-32x1¼ RH MS)		AA210
Spring, Changer Float		405A 139

†Part of diode filter (part #63A3-1). Replace with exact duplicate of individual components.

*To insure proper matching and fit, also specify cabinet manufacturer's code letters (usually burned or stamped on back rail of cabinet). Wood parts are supplied only if old part cannot be repaired; when ordering, describe condition of old part in detail.

§Order these parts using the part number given in Cabinet Hinge Ordering Data, Form No. S379. Otherwise, return old part, or send an outline tracing (exact size) of part and specify finish (brass, bronze, etc.).