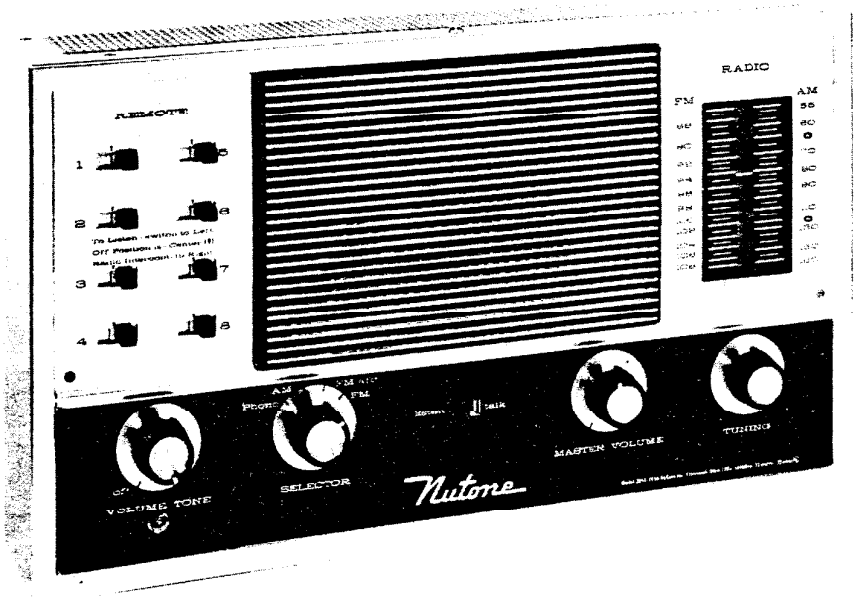
NuTone

SERVICE MANUAL



AM-FM RADIO and INTERCOM

Models 2055-2056

NuTone
MADISON & RED BANK ROADS
CINCINNATI, OHIO 45227

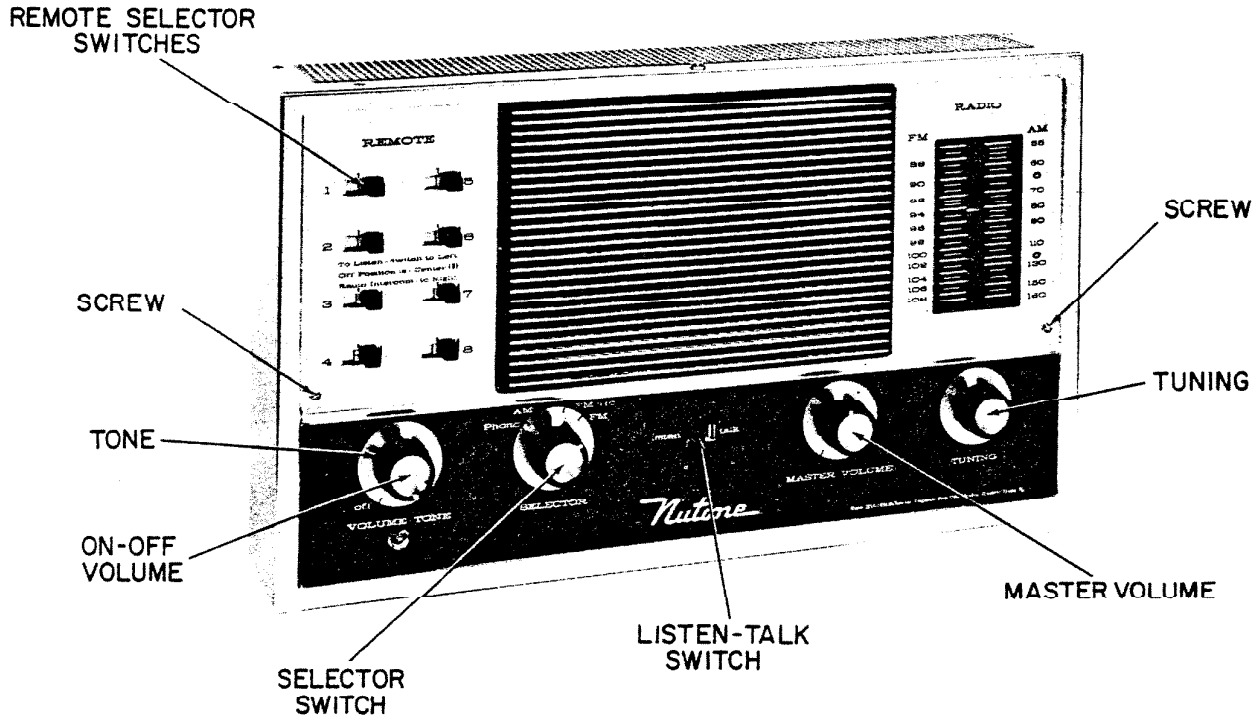


Fig. 1. Master station front panel.

CHECK-OUT PROCEDURE

Failure to pass any of these tests indicates a fault that should be corrected.

1. Set all Remote station selector switches to OFF (center) position.
2. Rotate Master Speaker Volume control fully clockwise.
3. Turn unit on with On-Off Volume knob and set control two-thirds clockwise. Indicator lamp should glow.
4. Set Selector switch to AM position.
5. Allow radio to warm up. Tune in AM radio station and check for reception.
6. Set Selector switch on FM or FM-AFC position. Tune in FM radio station and check for reception.
7. With radio playing, push all Remote station selector switches to the right (Radio-Intercom position). Check all remote speaker stations for radio reception. Check operation on all remote speaker Volume controls.
8. Talk from master to remote speaker stations while radio is playing. Check for intercom reception at all remote speakers.
9. Hold Talk-Listen switches at remote speaker stations in TALK position; talk from each remote speaker station to master while radio is playing. Check for intercom reception at master.
10. With radio playing, push all Remote station selector switches on master to the left (LISTEN position). Leave Talk-Listen switches at remote speaker stations in the LISTEN position and talk from each remote speaker station to the master. Check for intercom reception at master.
11. Return all Remote station selector switches to Radio-Intercom or Center-Off position. Connect signal from phonograph into Phono jack on master. Place Selector switch in the PHONO position. Check for phono reception at master.

MASTER STATION DISASSEMBLY INSTRUCTIONS

Partial Disassembly
(For Minor Servicing—Tubes, etc.)

1. Remove two front panel mounting screws.
2. Slide master unit forward until mounting pins on side of the chassis drop into slots of support bracket. This allows unit to hang forward in a servicing position.

NOTE: To operate unit in this position attach a standard TV "cheater" cord from plug on chassis to a convenient AC wall outlet. Reverse plug if loud hum occurs. Remote station wiring and antenna connections can be checked by removing four mounting screws of remote switchboard.

Complete Disassembly

1. Perform Steps 1 and 2 under "Partial Disassembly."
2. Disconnect signal plug from remote switch housing.

3. Slide master unit back until mounting pins on side of chassis are aligned with vertical slots of support brackets. Lift up and out.

Should servicing of unit require that the chassis be removed from the front panel, proceed as follows after performing Steps 1 through 3 above.

1. Pull and remove four front panel knobs.
2. Remove lock nuts from selector switch and master speaker volume control shafts.
3. Remove machine screw and nut securing top of front panel to chassis. Remove chassis.
4. To gain access to printed circuitry on bottom of chassis, remove nuts securing fibre paper shield and remove shield.

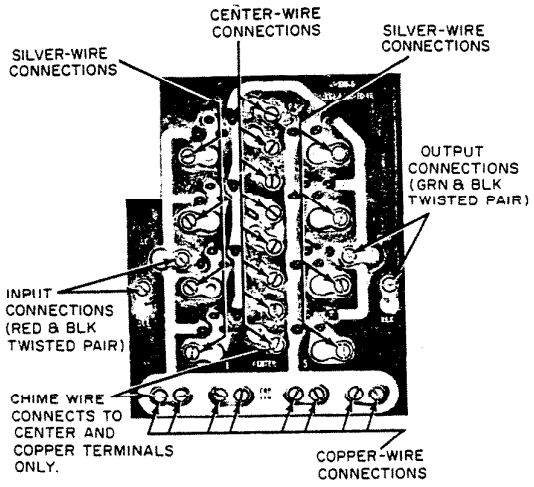


Fig. 2. Bottom view of printed circuit terminal board.

TROUBLESHOOTING

The following trouble chart is useful in isolating the more common troubles. Remember that common circuitry is connected to perform several of different operations of the Radio-Intercom system. Therefore, one source of trouble may appear in several of the different operations.

TROUBLE CHART

TROUBLE	SUGGESTED CHECK POINTS
System "dead." Tubes do not light.	Make sure power is being applied. Check fuse (F1). Check switch on Master Volume Control (R16).
System "dead." All tubes light.	Check tubes (V5, V6), and their associated circuitry. Check voltage and resistance readings. Check for open output transformer (T5). Check silicon rectifier (X2). Replace defective components.
Tubes light but radio is "dead," on both AM and FM. All other operations normal.	Check V3 and its associated circuitry. Check voltage and resistance readings associated with V3. Check M2 switch. Replace defective components.
Tubes light. AM "dead." FM reception normal. All other operations normal.	Check V2 and its associated circuitry. Check M2 switch. Replace defective components.
Tubes light. FM "dead." AM reception normal. All other operations normal.	Check tubes (V1, V4) and their associated circuitry. Check M2 switch. at both the Remote and Master stations. Check Remote Station Selector
Tubes light. Intercom operations "dead." AM-FM reception normal. Phono operation normal.	Check V5-B and associated circuitry. Check Talk-Listen switch (M3). Replace defective components.
One or more Remote stations inoperative in transmission, reception, or both.	Check inoperative Remote stations for defective wiring, and connections at both the Remote Master stations. Check Remote Station Selector Switches (M4 thru M11) and Talk-Listen Switches (M301 or M302) for proper contact. Check for open Volume Control (R301) or open speakers. Check resistor (R302) of Model 2006 Remote Speaker Station.

ALIGNMENT INSTRUCTIONS—READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT

Prealignment Instructions

Use 120 V line isolation transformer (preferably adjustable with voltmeter) for operating unit under test. Isolation is also required for all associated test equipment to avoid possible capacity currents (due to chassis-to-line capacitors in test gear) from flowing in the B— to chassis capacitors in the unit under test.

Volume control should be at a minimum position. Output of signal generator should be no higher than necessary to obtain an output reading. Use standard hex and slotted type alignment tools.

AM I.F. and RF Alignment

Set Selector Switch on AM position.

Dummy Antenna	Sig. Gen. Coupling	Sig. Gen. Fequency	Radio Dial Setting	Connect VTVM	Adjust	Remarks
1. .01 mfd	High side to pin 1 12BA6 (V3). Low B—.	455KC (400 cycle Mod.)	Tuning gang fully open.	DC probe to point A. Com. to B—.	A1 (bottom)	Adjust for maximum deflection. Use lowest signal not more than 10db above back-ground noise.

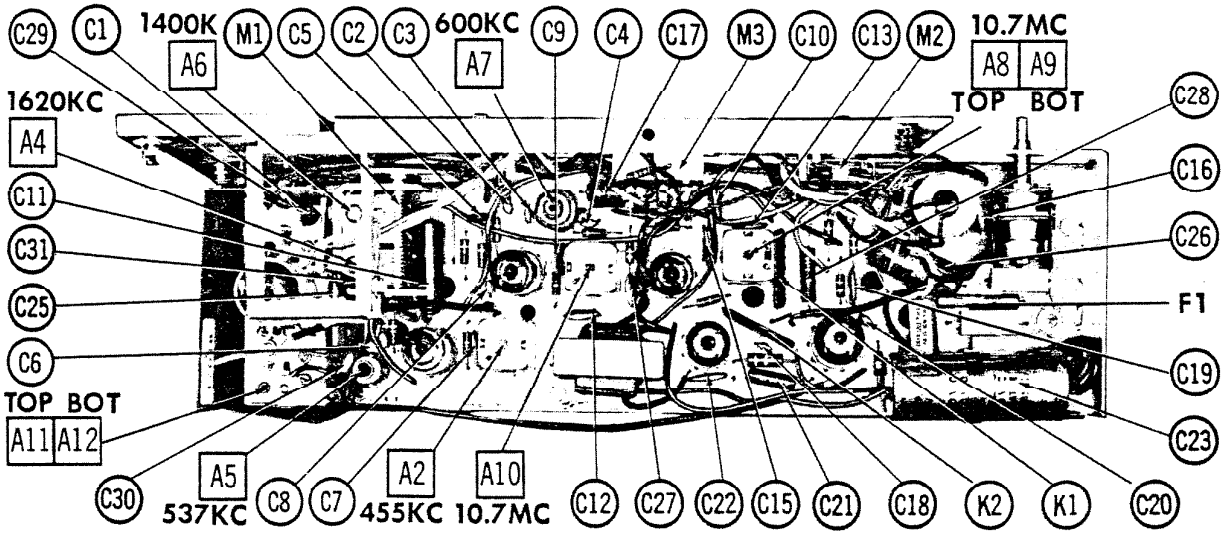


Fig. 3. Top view of master chassis.

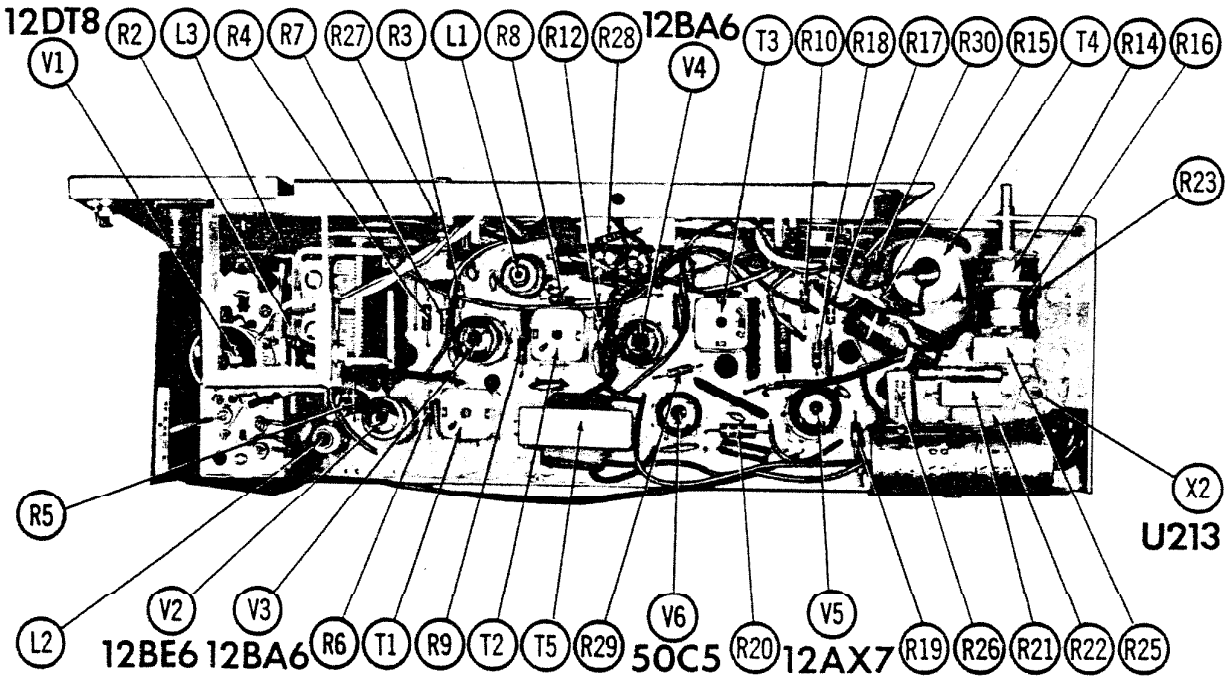


Fig. 4. Top view of master chassis.

ALIGNMENT INSTRUCTIONS (Cont'd)

	Dummy Antenna	Sig. Gen. Coupling	Sig Gen. Frequency	Radio Dial Setting	Connect VTVM	Adjust	Remarks
2.	.01 mfd	High side to pin 7 12BE6 (V2). Low side to B—.	455KC (400 cycle Mod.)	Tuning gang set at MID scale.	DC probe to point A. Com. to B—.	A2 (top) and A3 (bottom)	Adjust for maximum deflection. Do not repeat step 1.
3.	50 mmf	High side to ant. terminal (Pin 7 of P1). Low side to B—.	1620KC (400 cycle Mod.)	Tuning gang fully open.	DC probe to point A. Com. to B—.	A4	Adjust for maximum deflection.

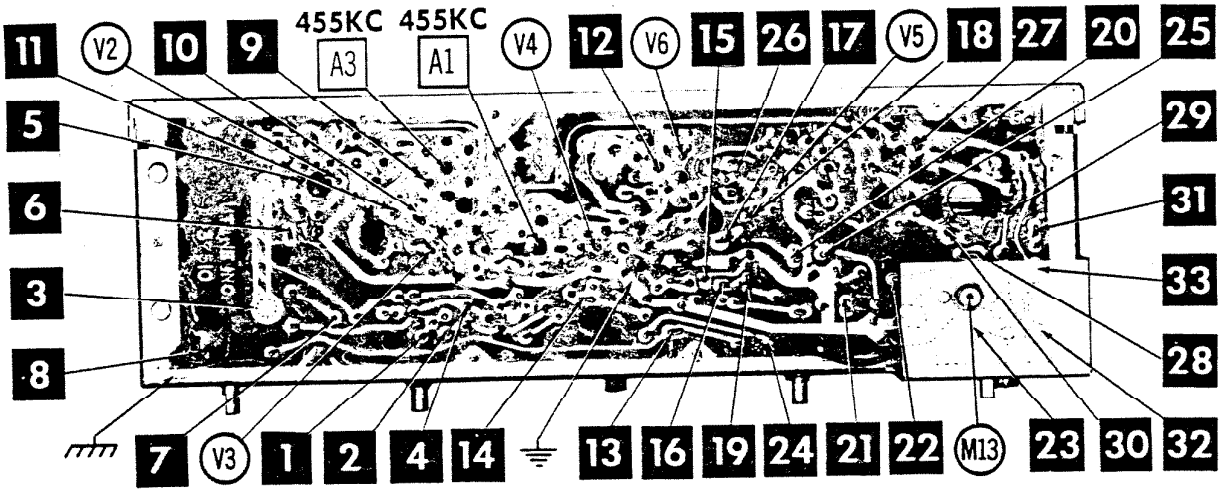


Fig. 5. Bottom view of master chassis printed board with Circuitrace points as shown on schematic in Fig. 19.

ALIGNMENT INSTRUCTIONS (Cont'd)

	Dummy Antenna	Sig. Gen. Coupling	Sig. Gen. Fequency	Radio Dial Setting	Connect VTVM	Adjust	Remarks
4.	50 mmf	High side to ant. terminal (Pin 7 of P1). Low side to B—.	537KC (400 cycle Mod.)	Tuning gang fully closed.	DC probe to point A. Com. to B—.	A5	Adjust for maximum deflection. Repeat steps 3 and 4.
5.	50 mmf	High side to ant. terminal (Pin 7 of P1). Low side to B—.	1400KC (400 cycle Mod.)	1400KC	DC probe to point A. Com. to B—.	A6	Adjust for maximum deflection.
6.	50 mmf	High side to ant. terminal (Pin 7 of P1). Low side to B—.	600KC (400 cycle Mod.)	600KC	DC probe to point A. Com. to B—.	A7	Adjust for maximum deflection. Correct adjustment of L1 occurs at peak with slug fartherst out.

FM R.F.-I.F. Alignment

Set Selector Switch on FM position.
Use frequency modulated signal with 450KC sweep. Use 60 cycle sawtooth voltage in scope for horizontal deflection.

	Dummy Antenna	Sig. Gen. Coupling	Sig. Gen. Fequency	Radio Dial Setting	Connect Scope	Adjust	Remarks
7.	.01 mfd	High side to Pin 1 12BA6 (V4). Low side to B—.	10.7MC (200-300 KC sweep.)	Point of non-interference.	Vert. Amp. to point B. Low side to B—.	A8 (top) and A9 (bottom)	Adjust for symmetrical S curve. Fig. A.
8.	.01 mfd	High side to Pin 1 12BA6 (V3). Low side to B—.	10.7MC See Remarks.	Point of non-interference.	Vert. Amp. to point B. Low side to B—.	A10 (top)	Reduce sweep width as low as possible to maintain symmetry of S curve. Adjust for maximum amplitude.
9.	270 Ohm Carbon Resistor	High side to FM ant. (Pin 3 of P1). Low side to tuner shield.	90MC See Remarks.	90MC	Vert. Amp. to point B. Low side to B—.	A11, (top) and A12 (bottom)	Reduce sweep width as low as possible to maintain symmetry of S curve. Adjust for maximum amplitude.
10.	270 Ohm Carbon Resistor	High side to FM ant. (Pin 3 of P1). Low side to tuner shield.	106MC	106MC	Vert. Amp. to point B. Low side to B—.		Check for tracking.

Fig. A

INSTALLATION INSTRUCTIONS

REMOTE SPEAKER STATIONS

General

The following four models of remote speakers can be used in conjunction with the Nutone AM/FM Radio-Intercom system, provided the necessary and proper rough-in frames have been previously installed.

1. Model 2027 4½" speaker (Fig. 6)
2. Model 2020 8" speaker (Fig. 12)
3. Model 2014 8" speaker (Fig. 13)
4. Model 2006 3½" speaker (Fig. 9)

The connections for eight remote speaker stations are provided on the printed-circuit terminal board at the master station. The same or any combination of the above speaker models can be connected to one or more of the eight different sets of terminals to make up the desired number of remote stations. It is possible to use more than eight remote speakers (within limits) by connecting extra speakers to occupied sets of terminals.

Model 2027 speaker is used in inside remote-station installations.

Model 2020 speaker is used in inside remote-station installations. The speaker frame is mounted flush against the wall.

Model 2014 speaker is used in outside remote-station installations. The speaker assembly and remote control are mounted in separate boxes.

Model 2006 speaker is designed for use in outside door-remote installations. A gold anodized frame finish and a seal around the speaker provide protection from the weather.

Installing Model 2027 Remote Speaker

1. Connect the previously installed three-conductor wire to the screw terminals provided on the rear of the remote speaker assembly (Fig. 7).
   a. Silver wire to terminal of switch labeled Silver.
   b. Center wire to speaker screw terminal.
   c. Copper wire to terminal of switch labeled Copper.
2. Align mounting holes in speaker assembly with holes in rough-in frame. Fasten in place with screws provided (Fig 6).

Installing Model 2006 Remote Speaker

1. Connect previously installed three-conductor wire to terminal board of speaker (Fig. 8).
   a. Silver wire to terminal labeled Silver.
   b. Center wire to terminal labeled Center.
   c. Copper wire to terminal labeled Copper.

   NOTE: When used in patio installation, for high volume twist resistor (as shown on speaker label).

2 Align holes in speaker assembly with holes in rough-in frame. Fasten in place with screws provided (Fig. 9).

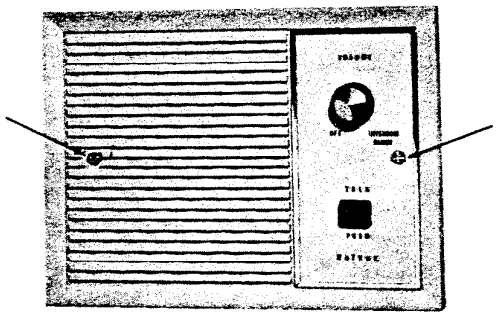


Fig. 6. Model 2027 inside remote speaker station.

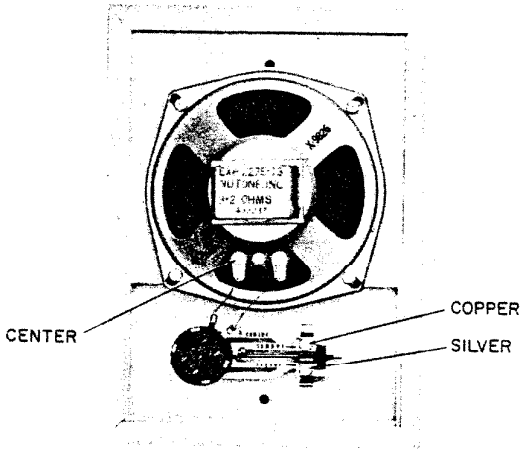


Fig. 7. Speaker connections for Model 2027 remote station.

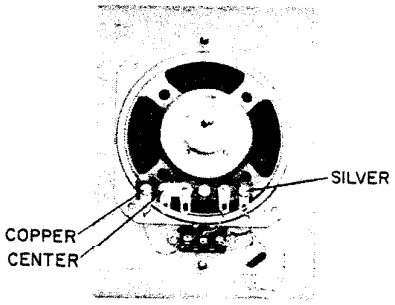


Fig. 8. Speaker connections for Model 2006 remote station.

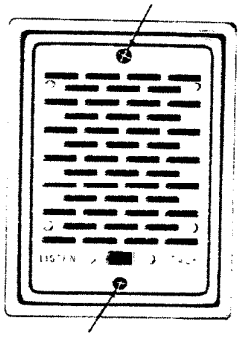


Fig. 9. Model 2006 outside door remote speaker station.

Inside Installation of Model 2020 Remote Speaker

1. Remove and discard four nuts from mounting screws (Fig. 10) which secure the finished frame to the speaker plate (see instruction label on finished frame). Remove the four mounting screws and frame from the speaker plate.
2. Two slots are provided in the back edge of the speaker guard plate. Position these slots over studs on the rough-in frame and lock in place by sliding speaker unit to the left. This supports the speaker while both hands are left free to make connections to the speaker terminals on the speaker guard plate (Fig. 11).
3. Connect the three-conductor wire in wall frame to the speaker terminals on the speaker guard plate as follows (Fig. 11):
   a. Silver wire to terminal labeled Silver.
   b. Center wire to terminal labeled Center.
   c. Copper wire to terminal labeled Copper.
4. Remove speaker unit from studs on rough-in frame. Align holes in the finished frame and speaker plate with the holes in the rough-in frame. Fasten speaker unit in place with four mounting screws previously removed under Step 1 above and shown by arrows in Fig. 12.

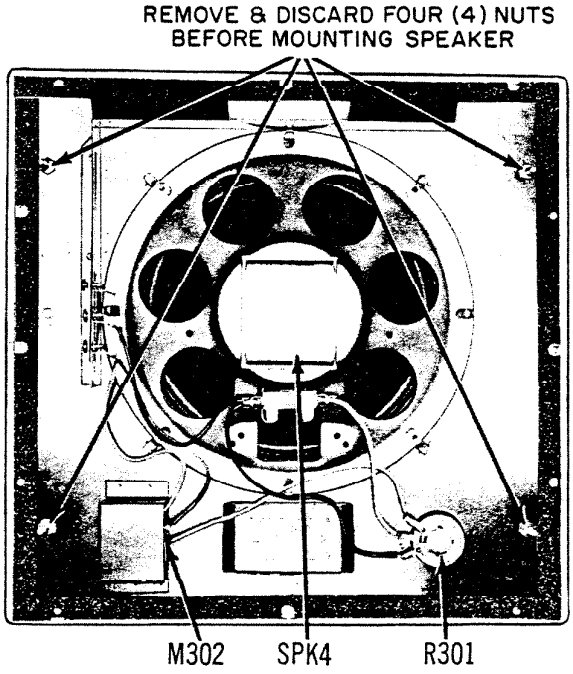


Fig. 10. Rear view of Model 2020 remote speaker station.

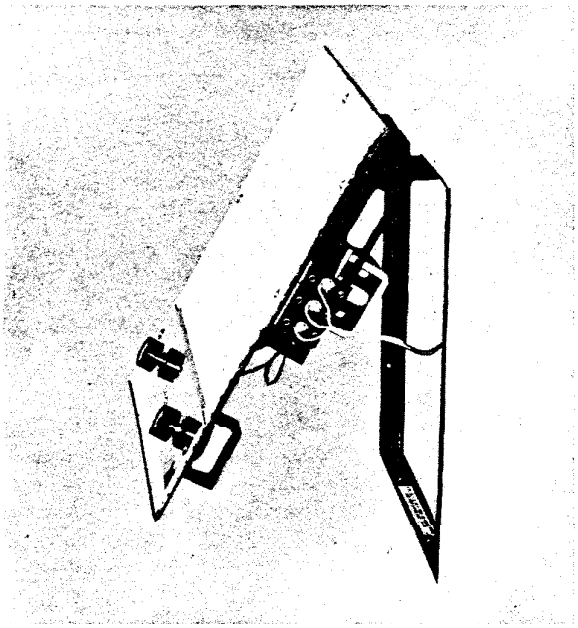


Fig. 11. Inside installation of Model 2020 remote speaker station.

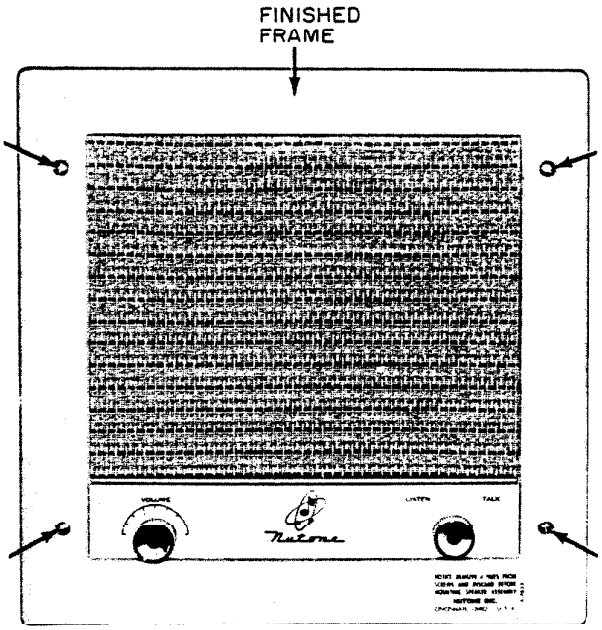


Fig. 12. Model 2020 inside remote speaker station with finished frame attached.

Installing Model 2014 Patio Speaker

1. Connect the two-wire cable (previously installed from two gang wall box) to screws on speaker terminal strip.
2. Align the four holes in the front panel with the four holes in the 2414 "A" frame and fasten in place with the screws provided (Fig. 13).

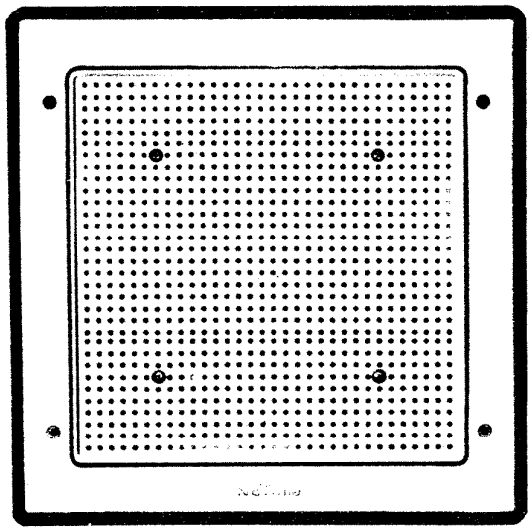


Fig. 13. Model 2014 patio speaker.

Installing Remote Control for Model 2014 Patio Speaker

1. Connect the two-wire cable (previously installed from speaker assembly) to two screws labeled "Speaker" on remote control panel.
2. Connect the three-wire cable (from the master unit) to the screws on the remote control panel.
   a. Silver wire to screw labeled Silver.
   b. Center wire to screw labeled Center.
   c. Copper wire to screw labeled Copper.
3. Mount the remote panel to the two-gang wall box with the four scresw provided (Fig. 14).

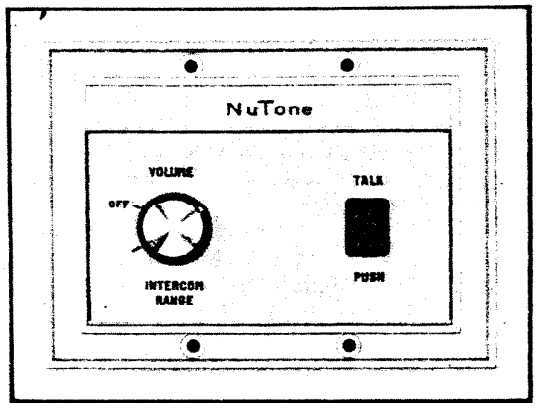


Fig. 14. Remote control of Model 2014 patio speaker.

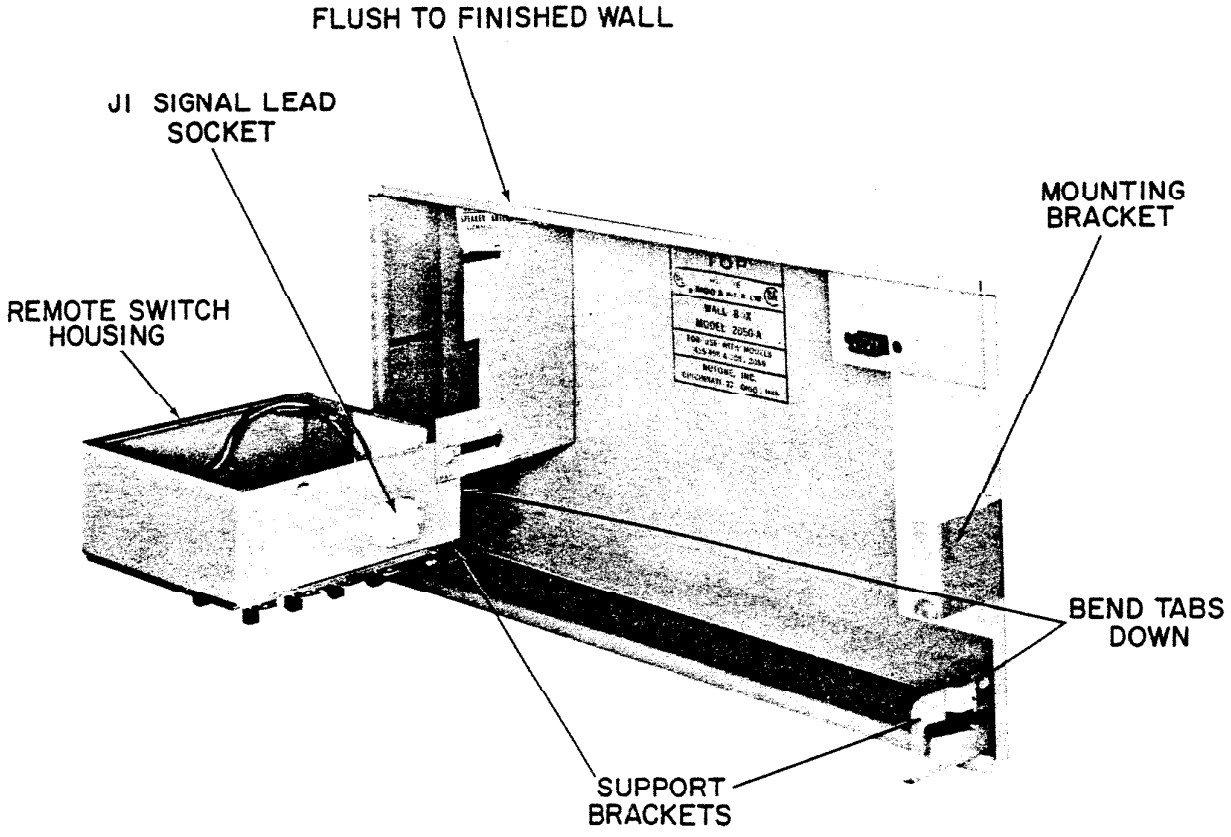


Fig. 15. Master station rough-in box with remote switch housing installed.

MASTER STATION

Installation of Mounting and Support Brackets

Install mounting and support brackets to the rough-in box with screws provided (Fig. 15). Fasten the mounting bracket to the right side of the rough-in box. Make sure the rough-in box is flush with the finished wall surface and the mounting bracket is all the way back into the box. Fasten the two bottom support brackets to the bottom of the rough-in box (Fig. 15). Be sure the support brackets are beneath the tabs in the bottom of the box. Bend the tabs down after the support brackets are installed.

Installation of Remote Switch Housing

The remote switch housing is mounted in place on rough-in box as shown in Fig. 15.

Connections to Remote Switch Housing

Loosen the screws securing the remote switch housing to the rough-in box. Tilt out housing as shown in Fig. 15 to expose wiring terminals.

An alternate method of gaining access to the wiring terminals is to remove the four screws in the face of the switch board, turn the board and secure it in place with two screws to hold it while making connections to the terminals. In this method the terminals are more accessible but the labeling on the board is upside down.

Connecting Remote Stations

Connect the three-conductor wire (flat ribbon) to the master terminal strip in the remote switch housing. Refer to Fig. 2.

a. Silver wire to terminal labeled Silver.
b. Center wire to terminal labeled Center.
c. Copper wire to termnial labeled Copper.

When more than eight remotes are used, connect extra speaker wires to any of occupied terminals on the master terminal strip.

NOTE: All remote wiring must return to the master terminal strip. Do not jumper between remotes.

Connecting Electronic Chime to Master

If a Nutone electronic chime is to be used with the system, connect the two-conductor wire previously pulled into the wall box to the center and copper terminals on the master terminal strip (Fig. 2).

NOTE: The two-conductor chime wire can be connected to the center and copper terminals of any switch terminal set being used by a remote speaker.

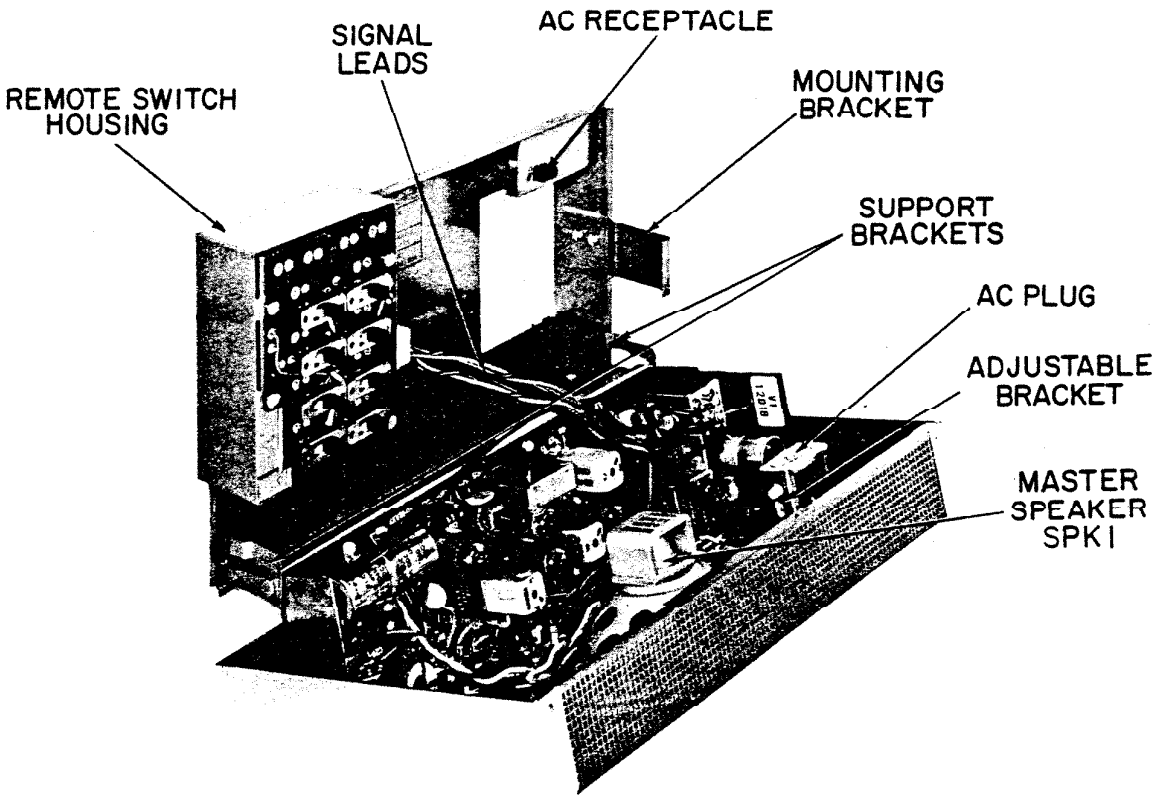


Fig. 16. Installing master station.

Antenna Connections

For the AM antenna connection connect the blue antenna wire on the signal plug, in the remote housing, to the blue antenna lead in wall box. Use the wire nut supplied.

For FM antenna connections connect the brown antenna wire on the signal plug, in the remote switch housing, to one wire of the brown twin lead in the wall box. Use a wire nut.

NOTE: When an FM or TV antenna is used to improve reception, connect both wires of twin lead. One wire of the twin lead to the brown wire on the signal plug and the other wire of the twin lead to the black wire on the signal plug.

IMPORTANT: Tape should be used to secure the wire nuts after antenna connections have been made. Check wiring to make sure all connections have been made. Replace terminal board to its original position on the remote switch housing and tighten into place securely.

Final Installation

Position the studs on the master unit chassis onto the bottom support brackets in the rough-in box and engage them in the slots. The unit is now self-supporting.

Plug the signal cable from the master unit into the signal socket in the remote switch housing.

NOTE: The signal plug will engage in one position only. DO NOT FORCE THE PLUG.

Tip the master unit up and push it into the wall box.

IMPORTANT: Be sure the AC plug on the adjustable bracket lines up and engages the power receptacle in the wall box.

Secure the front panel to the mounting bracket with the two screws provided.

Perform "Check-Out Procedure" on page 2.

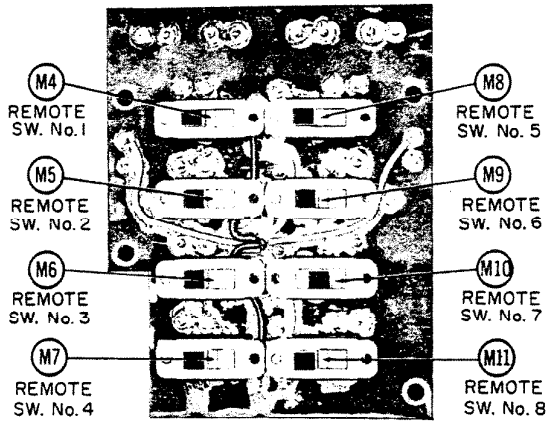
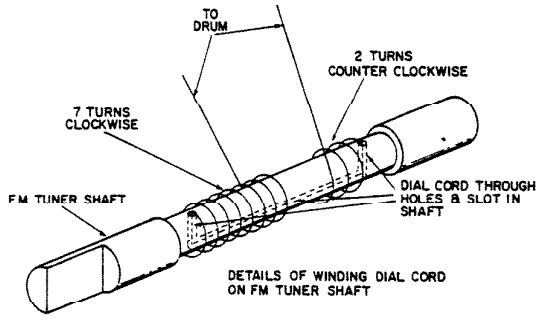


Fig. 17. Top view of printed circuit terminal board.



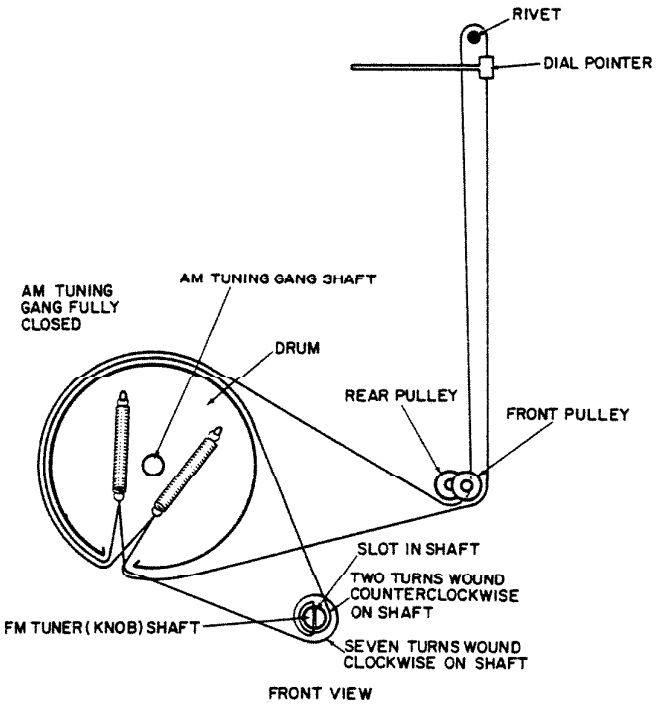


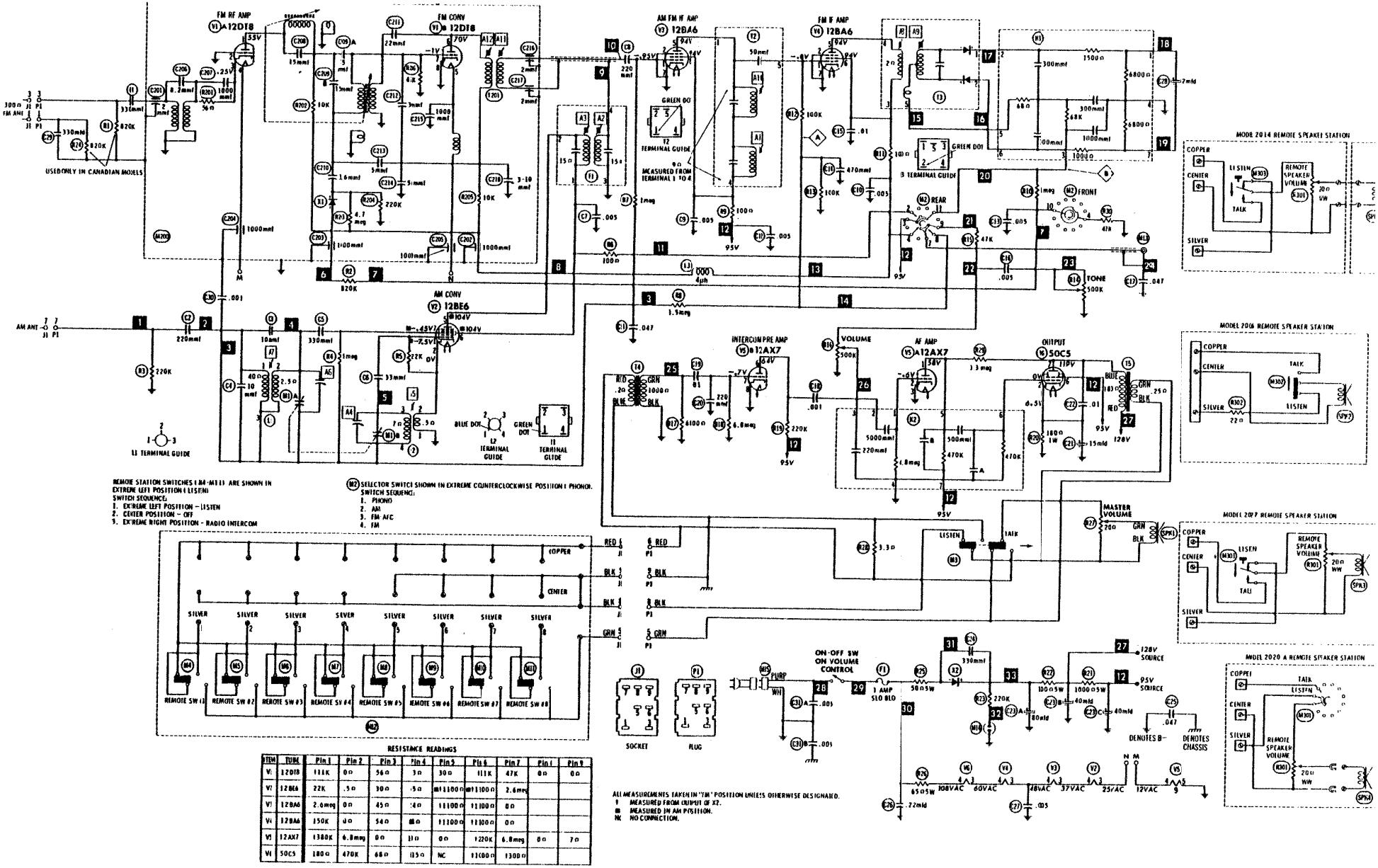
Fig. 18. Dial cord stringing guide.

PARTS LIST

Ref. No.	Part No.	Description
		TUBES
V1		12DT8, FM Ampl., Converter
V2		12BE6, AM Converter
V3		12BA6, AM-FM Amplifier
V4		12BA6, FM Amplifier
V5		12AX7, AF Amp.-Intercom. Preamp.
V6		50C5, Output
X2	36535	Rectifier, Silicon 400V-250 MA
		CAPACITORS
C1		330 mmf @ 1400V, Ceramic Disc
C2		220 mmf @ 1000V, Ceramic Disc
C3		10 mmf ±10% NPO @ 1000V, Ceramic Disc
C4		10 mmf ±10% NPO @ 1000V, Ceramic Disc
C5		330 mmf @ 1400V, Ceramic Disc
C6		33 mmf ±10% N2200 @ 1000V, Ceramic Disc
C7		.005 mfd @ 1000V, Ceramic Disc
C8		220 mmf @ 1000V, Ceramic Disc
C9		.005 mfd @ 1000V, Ceramic Disc
C10		.005 mfd @ 1000V, Ceramic Disc
C11		.047 mfd @ 600V, Tubular
C12		.005 mfd @ 1000V, Ceramic Disc
C13		.005 mfd @ 1000V, Ceramic Disc
C14		470 mmf @ 1000V, Ceramic Disc
C15		.01 mfd @ 1000V, Ceramic Disc
C16		.005 mfd @ 1000V, Ceramic Disc
C17		.047 mfd @ 600V, Tubular
C18		.001 mfd @ 1000V, Ceramic Disc
C19		.01 mfd @ 1000V, Ceramic Disc
C20		220 mmf @ 1000V, Ceramic Disc
C21		15 mfd @ 12V, Electrolytic
C22		.01 mfd @ 1000V, Ceramic Disc
C23A		80 mfd @ 200V, Electrolytic
C23B	‡35039	40 mfd @ 200V, Electrolytic
C23C		40 mfd @ 200V, Electrolytic
C24		330 mmf @ 1400V, Ceramic Disc
C25		.047 mfd @ 600V, Tubular
C26		.22 mfd @ 400V, Tubular
C27		.005 mfd @ 1000V, Ceramic Disc
C28		2 mf @ 50V, Electrolytic
C29		330 mmf @ 1400V, Ceramic Disc
C30		.001 mfd @ 1400V, Ceramic Disc
C31A		.005 mfd @ 1400V, Ceramic Disc
B		.005 mfd @ 1400V, Ceramic Disc
		RESISTORS
R1		820K, ½ Watt, 10%, Carbon
R2		820K, ½ Watt, 10%, Carbon
R3		220K, ½ Watt, 10%, Carbon
R4		1 meg, ½ Watt, 10%, Carbon
R5		22K, ½ Watt, 10%, Carbon
R6		100 ohm, ½ Watt, 10%, Carbon
R7		1 meg, ½ Watt, 10%, Carbon
R8		1.5 meg, ½ Watt, 10%, Carbon
R9		100 ohm, ½ Watt, 10%, Carbon
R10		1 meg, ½ Watt, 10%, Carbon
R11		100 ohm, ½ Watt, 10%, Carbon
R12		100K, ½ Watt, 10%, Carbon
R13		100K, ½ Watt, 10%, Carbon
R14	34016	500K Dual, Volume Tone Control and Switch
R16		
R15		47K, ½ Watt, 10%, Carbon
R17		6.8K, ½ Watt, 10%, Carbon
R18		6.8 meg, ½ Watt, 10%, Carbon

Ref. No.	Part No.	Description
		RESISTORS (Cont'd)
R19		220K, ½ Watt, 10%, Carbon
R20		180 ohm, 1 Watt, 10%, Carbon
R21		1K, 5 Watt, 10%, Wirewound
R22		100 ohm, 5 Watt, 10%, Wirewound
R23		220K, ½ Watt, 10%, Carbon
R24		820 K, ½ Watt, 10%, Carbon
R25		50 ohm, 5 Watt, 10%, Carbon
R26		65 ohm, 5 Watt, 10%, Wirewound
R27	†34015	20 ohm, Wirewound master speaker volume control
R28		3.3 ohm, ½ Watt, 10%, Carbon
R29		3.3 meg, ½ Watt, 10%, Carbon
R30		47K, ½Watt, 10%, Carbon
R301		20 ohm, Wirewound Remote Spkr. vol. control
R302		22 ohm, ½ Watt, 10%, Carbon
		TRANSFORMERS
T1	30511	AM IF
T2	30526	AM-FM IF
T3	30525	Ratio Detector
T4	30527	Input
T5	30528	Output
		COMPONENT COMBINATION
K1	37511	Ratio Det.
K2	37502	Audio Couplate
		COILS
L1	30024	AM Antenna
L2	30025	AM Oscillator
L3	30035	RF Choke
		SPEAKERS
SPK1	36033	5" × 7" (3.2 ohm) Master Station
SPK2	*	3½" (3.2 ohm) Model 2006
SPK3	*	4½" (3.2 ohm) Model 2027
SPK4	*	8" (3.2 ohm) Model 2020
		MISCELLANEOUS
M1	35037	AM Tuning Gang
M2	34520	4 Pos. Rotary Selector Switch
	34519	4 Pos. Rotary Sel. Sw. (Late Prod.)
M3	¶34516	Master Station Talk-Listen Switch; DPDT Spring Return Slide Type
M4-M11	34503	Remote Station Selector Switches; Single pole 3 pos. slide type
M12	40018	Printed Circuit Terminal Board Assy. (Completely Wired Including Sel. Switches M4-M11)
M13	31105	Phono Jack
M14	31237	Panel Lamp Neon
M15	31026	Recessed Plug (Interlock)
F1	31230	Fuse, 1 amp
J1	40144	Signal Lead Socket Assy.
P1	40130	Signal Lead Plug Assy.
M200	40120	FM Tuner
M301	*	Remote Speaker Talk-Listen Switch, Spring Return
M302	*	Remote Speaker Talk-Listen Switch, SPDT Rotary, Spring Return
M303	*	Remote Speaker Talk-Listen Switch, Push Type

† Late Production Models Use Part No. 34014
‡ Late Production Models Use Part No. 35040
¶ Late Production Models Use Part No. 34515
* See Nutone Factory Parts Price List for part number.



REMOTE STATION SWITCHES (M4-M11) ARE SHOWN IN EXTREME LEFT POSITION (LISTEN)
SWITCH SEQUENCE:
1. EXTREME LEFT POSITION – LISTEN
2. CENTER POSITION – OFF
3. EXTREME RIGHT POSITION – RADIO INTERCOM

(M2) SELECTOR SWITCH SHOWN IN EXTREME COUNTERCLOCKWISE POSITION (PHONO).
SWITCH SEQUENCE:
1. PHONO
2. AM
3. FM AFC
4. FM

RESISTANCE READINGS

ITEM	TUBE	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9
V1	12DT8	111K	0Ω	56Ω	3Ω	30Ω	111K	47K	0Ω	0Ω
V2	12BE6	22K	.5Ω	30Ω	.5Ω	∞/1100Ω	∞/1100Ω	2.6meg		
V3	12BA6	2.6meg	0Ω	45Ω	14Ω	1100Ω	1100Ω	0Ω		
V4	12BA6	150K	0Ω	54Ω	0Ω	1100Ω	1100Ω	0Ω		
V5	12AX7	1380K	6.8meg	0Ω	1Ω	0Ω	220K	6.8meg	0Ω	7Ω
V6	50C5	180Ω	470K	68Ω	115Ω	NC	1100Ω	1300Ω		

ALL MEASUREMENTS TAKEN IN "FM" POSITION UNLESS OTHERWISE DESIGNATED.
∞ MEASURED FROM OUTPUT OF X2.
∞ MEASURED IN AM POSITION.
NC NO CONNECTION.

M200 FM TUNER PARTS

Ref. No.	Part No.	Description
		DIODE
X1	36541	Diode, AFC
		CAPACITORS
C201	35048	2 mmf @ 500V, Ceramic, Feed-Thru
C202	35049	1000 mmf @ 500V, Ceramic, Feed-Thru
C203	35049	1000 mmf @ 500V, Ceramic, Feed-Thru
C204	35049	1000 mmf @ 500V, Ceramic, Feed-Thru
C205	35049	1000 mmf @ 500V, Ceramic, Feed-Thru
C206		8.2 mmf ±.5 mmf NPO, @ 1000V, Ceramic Disc
C207		1000 mmf @ 1000V, Ceramic Disc
C208		15 mmf, Ceramic Disc
C209A		15 mmf, Ceramic Disc
B		15 mmf, Ceramic Disc
C210		3.6 mmf, Ceramic Disc
C211		22 mmf ±5% NPO, Ceramic Disc
C212		3 mmf, Ceramic Disc
C213		5 mmf, Ceramic Disc
C214		56 mmf ±5% NPO, Ceramic Disc
C215		1000 mmf @ 1000V, Ceramic Disc
C216	35048	2 mmf @ 500V, Ceramic Feed-Thru
C217	35048	2 mmf @ 500V, Ceramic Feed-Thru
C218		3-10 mmf, Trimmer
		RESISTORS
R201		56 ohm, ½ Watt, 10%, Carbon
R202		10K, ½ Watt, 10%, Carbon
R203		4.7 meg, ½ Watt, 10%, Carbon
R204		220K, ½ Watt, 10%, Carbon
R205		10K, ½ Watt, 10%, Carbon
R206		47K, ½ Watt, 10%, Carbon
		TRANSFORMER
T201	30533	IF, FM

Printed in U.S.A. 12-75 HI
Part No. 37222