



# REPLACEMENT PARTS

Capacitors: Value in Micro (10<sup>-6</sup>) Farads, Other Specifications As Noted.

Resistors: Value In Ohms  $\pm$  5%, 1/8 Watt, Other Specifications as Noted.  
 K = Kilos = 1,000      M = Mega = 1,000,000

## Model IM-3103 Radio-Intercom Master Unit

Schematic Symbol	NuTone Part No.	Description
<b>CONTROL, AMPLIFIER AND POWER SUPPLY BOARD</b>		
	7667A-000	Control, Amplifier and Power Supply with Power L.E.D. Board Assembly Complete
	7668A-000	Control, Amplifier and Power Supply P.C. Board Assembly Complete
<b>Integrated Circuits</b>		
IC-101	7015A-000	Power Amplifier—BA532
IC-102	7238A-000	Single Timing Circuit—NE555
IC-103	7239A-000	Quad 2-Input Nand—SN74L500 or DN74L500
IC-104	7240A-000	Triple 3-Input Nand—SN74L510 or DN74L510
IC-105	7242A-000	Hex Inverter—SN74L504 or DN74L504
IC-106	7243A-000	Comparator—LM339
IC-107	724A-000	Voltage Regulator—78L05A
<b>Transistors</b>		
Q101	7030A-000	Intercom Muting—2SC945Q or 2SC828S
Q102	7030A-000	Switching—2SC945Q or 2SC828S
Q103	7037A-000	Relay Driver—2SC945P or 2SCR28R
Q104	7030A-000	Switching—2SC945Q or 2SC828S
Q105	7030A-000	Switching—2SC945Q or 2SC828S
Q106	7037A-000	Switching—2SC945P or 2SC828R
Q107	7037A-000	Relay Driver—2SC945P or 2SCR28R
Q108	7235A-000	Voltage Stabilizer—2SD882Q or MJE9400
Q109	7236A-000	Rapid Muting—2SC1317R
Q110	7030A-000	Switching—2SC945Q or 2SC828S
<b>Diodes</b>		
D101	7038A-000	Silicon—IN4148 or IS2473 or BA317
D102	7038A-000	Silicon—IN4148 or IS2473 or BA317
D103	7038A-000	Silicon—IN4148 or IS2473 or BA317
D104	7248A-000	Zenner—UZ-9 or IBH or RD-10ED1
D105	7038A-000	Silicon—IN4148 or IS2473 or BA317
D106	7038A-000	Silicon—IN4148 or IS2473 or BA317
D107	7038A-000	Silicon—IN4148 or IS2473 or BA317
D108	7038A-000	Silicon—IN4148 or IS2473 or BA317
D109	7038A-000	Silicon—IN4148 or IS2473 or BA317
D110	7038A-000	Silicon—IN4148 or IS2473 or BA317
D111	7249A-000	Zenner—UZ-16BL or M or RD-16EB3 or RD-18EB1
D112	7249A-000	Zenner—UZ-6, 2BH or RD-6 or 8EB1
D113	7038A-000	Silicon—IN4148 or IS2473 or BA317
D114	7251A-000	Zenner—UZP-15B
D120	7038A-000	Silicon—IN4148 or IS2473 or BA317
D121	7708A-000	GE-1K261

Schematic Symbol	NuTone Part No.	Description
<b>Capacitors</b>		
C103	7133A-000	Ceramic 50V .001uf
C104	7134A-000	Mylar 50V 0.15uf
C105	7135A-000	Ceramic 25V .01uf
C106	7126A-000	Electrolytic 10V 100uf
C107	7136A-000	Electrolytic 10V 10uf
C109	7126A-000	Electrolytic 10V 100uf
C110	7382A-000	Electrolytic 16V 100uf
C111	7137A-000	Electrolytic 10V 470uf
C112	7138A-000	Electrolytic 16V 47uf
C113	7138A-000	Electrolytic 16V 47uf
C114	7125A-000	Electrolytic 50V 1uf
C115	7138A-000	Electrolytic 16V 47uf
C117	7140A-000	Electrolytic 50V 1uf
C118	7136A-000	Electrolytic 10V 10uf
C119	7141A-000	Electrolytic 10V 47uf
C120	7158A-000	Electrolytic 10V 22uf
C121	7136A-000	Electrolytic 10V 10uf
C122	7138A-000	Electrolytic 16V 47uf
C127	7142A-000	Electrolytic 25V 220uf
C128	7141A-000	Electrolytic 10V 47uf
C129	7143A-000	Electrolytic 16V 1000uf
C131	7136A-000	Electrolytic 10V 10uf
C132	7135A-000	Ceramic .01uf
C134	7125A-000	Electrolytic 50V 1uf
C135	7144A-000	Ceramic 50V 68pf
C136	7114A-000	Ceramic 50V 330pf
C137	7114A-000	Ceramic 50V 330pf
C138	7114A-000	Ceramic 50V 330pf
C140	7108A-000	Ceramic 25V .022uf
<b>Resistors</b>		
R101	7701A-000	Carbon Film 10K
R102	7697A-000	Carbon Film 22K
R103	7709A-000	Carbon Film 82 $\Omega$
R104	7702A-000	Carbon Film 1K
R105	7699A-000	Carbon Film 3.3K
R106	7690A-000	Carbon Film 330
R107	7710A-000	Carbon Film 1/4W 5.6K
R108	7701A-000	Carbon Film 10K
R109	7701A-000	Carbon Film 10K
R110	7705A-000	Carbon Film 1/4W, 470 $\Omega$
R111	7711A-000	Carbon Film 1/4W 3.9K
R112	7702A-000	Carbon Film 1K
R113	7712A-000	Carbon Film 100K
R114	7706A-000	Carbon Film 100 $\Omega$
R115	7691A-000	Carbon Film 3.9K
R116	7713A-000	Carbon Film 2.7K
R117	7699A-000	Carbon Film 3.3K
R118	7712A-000	Carbon Film 100K
R119	7712A-000	Carbon Film 100K
R120	7714A-000	Carbon Film 5.6K
R121	7714A-000	Carbon Film 5.6K
R122	7714A-000	Carbon Film 5.6K

# REPLACEMENT PARTS

Schematic Symbol	NuTone Part No.	Description
R123	7714A-000	Carbon Film 5.6K
R124	7714A-000	Carbon Film 5.6K
R125	7705A-000	Carbon Film 470
R126	7701A-000	Carbon Film 10K
R127	7699A-000	Carbon Film 3.3K
R128	7701A-000	Carbon Film 10K
R129	7714A-000	Carbon Film 5.6K
R130	7715A-000	Carbon Film 1.2M
R131	7693A-000	Carbon Film 1.5K
R132	7716A-000	Carbon Film 33K
R133	7702A-000	Carbon Film 1K
R134	7701A-000	Carbon Film 10K
R135	7688A-000	Carbon Film 1M
R136	7179A-000	Metal 2W, 1Ω
R137	7180A-000	Metal 1W, 220Ω
R138	7717A-000	Carbon Film 1.2K
R139	7714A-000	Carbon Film 5.6K
R140	7716A-000	Carbon Film 33K
R141	7690A-000	Carbon Film 330
R142	7718A-000	Carbon Film 3.3
R143	7701A-000	Carbon Film 10K
<b>Coils</b>		
L101	7264A-000	Relay (Door)
L102	7719A-000	Spring Coil
<b>Variable Resistors</b>		
VR101	7050A-000	Program Volume—50K
VR102	7252A-000	Master Volume—200Ω
VR103	7253A-000	Semi-Fixed—500Ω
<b>Switches</b>		
	7278A-000	Switch and Bracket Assembly, includes: Switch—End Call Switch—Door Talk Switch I/P Talk
S101		
S102		
S103		
S104	7279A-000	Power On/Off
<b>General</b>		
	7280A-000	Base Post—2 Pin
	7281A-000	Base Post—7 Pin
	7282A-000	Base Post—9 Pin
	6992A-000	Heat Sink
	7928A-000	Terminal—Push On
	7929A-000	Insulator
	7928A-000	Terminal—Push On
	7929A-000	Insulator
	7930A-000	Terminal—Ring
	7293A-000	Connector Assembly
	7258A-000	Housing—2 Pin
	7101A-000	Contact
	6995A-000	P.C. Board Bracket
	7285A-000	Insulator—Plastic 3" x 10½"
<b>L.E.D. Board</b>		
	7670A-000	Power L.E.D. Board Assembly Complete
D501	7274A-000	L.E.D. (Red)—LN242RPH
B7	7879A-000	LED Spacer—2M0683

Schematic Symbol	NuTone Part No.	Description
<b>ANSWER POWER SWITCH BOARD</b>		
SW901	7643A-000	P.C. Board Assembly Complete
	7927A-000	Push Switch
	7280A-000	Connector Base—2 Pin
	7862A-000	Pushbutton
<b>TUNER BOARD</b>		
	7664A-000	Tuning Wheel & Tuning Board Assembly Complete
	7676A-000	Tuner Assembly—Includes: FM-RF Tuning Section FM Oscillator Tuning Section AM-RF Tuning Section AM Oscillator Tuning Section FM Antenna Trimmer FM Oscillator Trimmer AM Antenna Trimmer AM Oscillator Trimmer Tuning Wheel
<b>Coils</b>		
	7677A-000	FM RF
	7678A-000	Trap
	7066A-000	FM Oscillator
	7679A-000	Trap
	7068A-000	AM Antenna
	7069A-000	AM Oscillator
<b>Transformers</b>		
	7059A-000	FM IF 10.7 MHz
	7060A-000	FM Detector
	7061A-000	1st AM IF 455K Hz
	7062A-000	2nd AM IF 455K Hz
<b>Filters and Amplifiers</b>		
	7073A-000	FM IF (Ceramic)
	7074A-000	AM IF (Ceramic)
	7075A-000	FM RF (Print)
<b>Integrated Circuit</b>		
	7014A-000	AM/FM IF Amplifier—HA 12413-03
<b>Transistors</b>		
Q1	7025A-000	FM RF Amplifier
Q4	7026A-000	FM Counter Buffer
Q6	7283A-000	AM Converter
<b>Diodes</b>		
D1	7038A-000	Silicon—IN4148 or BA317 or IS2473
D2	7039A-000	Vari Cap—SD-116
D3	7038A-000	Silicon—IN4148 or BA317 or IS2473
D4	7038A-000	Silicon—IN4148 or BA317 or IS2473
D5	7038A-000	Silicon—IN4148 or BA317 or IS2473
<b>Capacitors</b>		
C1	7106A-000	Ceramic SL 10pf
C2	7107A-000	Ceramic SL 100pf
C3	7108A-000	Ceramic Z .022uf
C4	7109A-000	Ceramic SL 5pf

Schematic Symbol	NuTone Part No.	Description
C5	7108A-000	Ceramic Z .022uf
C6	7683A-000	Ceramic SL 18pf
C7	7111A-000	Ceramic NPO 5pf
C8	7112A-000	Ceramic YB 450pf
C9	7108A-000	Ceramic Z .022uf
C10	7684A-000	Ceramic .0047uf
C11	7108A-000	Ceramic Z .022uf
C12	7114A-000	Ceramic YB 330pf
C13	7114A-000	Ceramic YB 330pf
C14	7106A-000	Ceramic SL 10pf
C15	7115A-000	Ceramic NPO 10pf
C16	7116A-000	Ceramic NPO 24pf
C17	7117A-000	Ceramic N330 16pf
C18	7118A-000	Ceramic NPO 7pf
C19	7108A-000	Ceramic Z .022uf
C20	7119A-000	Ceramic Z .047uf
C22	7120A-000	Semi .022uf
C23	7120A-000	Semi .022uf
C24	7108A-000	Ceramic Z .022uf
C25	7121A-000	Ceramic SL 3pf
C26	7119A-000	Ceramic Z .047uf
C28	7685A-000	Ceramic .022uf
C29	7108A-000	Ceramic Z .022uf
C30	7119A-000	Ceramic Z .047uf
C31	7108A-000	Ceramic Z .022uf
C32	7122A-000	Electrolytic 10v 22uf
C33	7119A-000	Ceramic Z .047uf
C34	7123A-000	Electrolytic 10v 100uf
C35	7124A-000	Electrolytic 50v .1uf
C37	7125A-000	Electrolytic 50v 1uf
C39	7126A-000	Electrolytic 10v 100uf
C40	7686A-000	Semi 25v .047uf
C41	7687A-000	Semi 25v .0047uf
C42	7130A-000	Semi 25v .056uf
C43	7131A-000	Semi 25V .015uf
C44	7132A-000	Semi 25v .018uf
C45	7114A-000	Ceramic 50v 330pf
C46	7129A-000	Ceramic 50v 1pf
C47	7129A-000	Ceramic 1pf
C48	7108A-000	Ceramic Z .022uf
C49	7107A-000	Ceramic SL 100pf
C50	7106A-000	Ceramic SL 10pf
<b>Resistors</b>		
R1	7688A-000	Carbon Film 1M
R2	7689A-000	Carbon Film 56
R3	7690A-000	Carbon Film 330
R4	7691A-000	Carbon Film 3.9K
R5	7692A-000	Carbon Film 6.8K
R6	7690A-000	Carbon Film 330
R7	7214A-000	Carbon Film 1K
R8	7693A-000	Carbon Film 1.5K
R9	7215A-000	Carbon Film 18K
R10	7694A-000	Carbon Film 2.2K
R11	7696A-000	Carbon Film 330K
R12	7688A-000	Carbon Film 1M
R13	7965A-000	Carbon Film 27K
R14	7697A-000	Carbon Film 22K
R15	7698A-000	Carbon Film 22
R16	7693A-000	Carbon Film 1.5K
R18	7699A-000	Carbon Film 3.3K
R20	7700A-000	Carbon Film 120
R21	7690A-000	Carbon Film 330
R22	7700A-000	Carbon Film 120
R23	7701A-000	Carbon Film 10K

Schematic Symbol	NuTone Part No.	Description
R24	7702A-000	Carbon Film 1K
R25	7694A-000	Carbon Film 2.2K
R26	7692A-000	Carbon Film 6.8K
R27	7701A-000	Carbon Film 10K
R29	7703A-000	Carbon Film 18K
R30	7704A-000	Carbon Film 12K
R31	7705A-000	Carbon Film 470
R33	7706A-000	Carbon Film 100
R34	7707A-000	Carbon Film 330K
R35	7702A-000	Carbon Film 1K
R36	7707A-000	Carbon Film 330K
R37	7702A-000	Carbon Film 1K
R38	7178A-000	Solid
<b>General</b>		
	7259A-000	Connector Base—6 Pin
TP1	7682A-000	Wrapping Pin
TP2	7682A-000	Wrapping Pin
	7102A-000	Connector Assembly
	7098A-000	Housing—3 Pin
	7101A-000	Contacts
<b>MAIN POWER SUPPLY BOARD</b>		
	7644A-000	Power Supply Board Assembly Complete
<b>Integrated Circuit and Transistor</b>		
IC901	7832A-000	BV Regulator—UPC78L08
Q901	7831A-000	15V Regulator—DP794P, Q or D882Q
D901	7829A-000	Silicon Rectifiers—G2D
D902	7829A-000	Silicon Rectifiers—G2D
D903	7829A-000	Silicon Rectifiers—G2D
D904	7829A-000	Silicon Rectifiers—G2D
D905	7830A-000	15V Zener Rectifiers—UZ15BL
<b>Capacitors</b>		
C901	7833A-000	Electrolytic 25V 2200uf
C902	7383A-000	Electrolytic 16V 470uf
C903	7143A-000	Electrolytic 16V 1000uf
C904	7382A-000	Electrolytic 16V 100uf
C905	7119A-000	Ceramic .047uf 25V
C906	7119A-000	Ceramic .047uf 25V
C907	7119A-000	Ceramic .047uf 25V
C908	7119A-000	Ceramic .047uf 25V
<b>Resistors</b>		
R901	7834A-000	Carbon Film 390
R902	7788A-000	Carbon Film 270
R904	7796A-000	Carbon Film 180
R905	7724A-000	Carbon Film 4.7K
R906	7835A-000	Metal Oxide 1
<b>Connectors</b>		
	7280A-000	Connector Base—2 Pin
	7297A-000	Connector Assembly
	7272A-000	Housing—4 Pin
	7101A-000	Contact

# REPLACEMENT PARTS

Schematic Symbol	NuTone Part No.	Description
<b>DIGITAL DISPLAY BOARD</b>		
	7665A-000	Digital Display Board Assembly Complete
	7284A-000	Digital Display
<b>Coils and Crystal</b>		
L201	7256A-000	Micro-Inductor Coil
L202	7256A-000	Micro-Inductor Coil
X201	7247A-000	Crystal
<b>Variable Resistors</b>		
VR201	7254A-000	Variable Resistor 10K
VR202	7254A-000	Variable Resistor 10K
VR203	8038A-000	Variable Resistor 2K
<b>Integrated Circuits</b>		
IC201	7245A-000	Clock—LC7250
IC202	7246A-000	Pre-Skelar—M54459L
IC203	7241A-000	Power—LA5700
<b>Transistors</b>		
Q201	7037A-000	Display Driver—2SC945P or 2SC828R
Q202	7037A-000	Switching—2SC945P or 2SC828R
Q203	7026A-000	FM Counter Amplifier—2SC1674L or 2SC1359B
<b>Diodes</b>		
D202	7038A-000	Silicon—IN4148 or IS2473 or BA317
D203	7038A-000	Silicon—IN4148 or IS2473 or BA317
D204	7038A-000	Silicon—IN4148 or IS2473 or BA317
D205	7038A-000	Silicon—IN4148 or IS2473 or BA317
D206	7038A-000	Silicon—IN4148 or IS2473 or BA317
D207	7255A-000	Zenner—UB-6 or 2BH or RD-6 or 8EB1
D208	7038A-000	Silicon—IN4148 or IS2473 or BA317
D209	7038A-000	Silicon—IN4148 or IS2473 or BA317
D210	7038A-000	Silicon—IN4148 or IS2473 or BA317
<b>Capacitors</b>		
TC201	7257A-000	Trimmer—Capacitor
C201	7133A-000	Ceramic 50V .001uf
C202	7133A-000	Ceramic 50V .001uf
C203	7382A-000	Electrolytic 16V 100uf
C204	7133A-000	Ceramic 50V .001uf
C205	7108A-000	Ceramic 25V .022uf
C206	7135A-000	Ceramic 25V .01uf
C207	7108A-000	Ceramic 25V .022uf
C208	7146A-000	Electrolytic 10V 1000uf
C209	7147A-000	Ceramic 50V 27pf
C211	7148A-000	Electrolytic 50V 3.3uf
C212	7108A-000	Ceramic 25V .022uf
C213	7149A-000	Electrolytic 50V .22uf
C214	7150A-000	Ceramic 5V 47pf
C215	7383A-000	Ceramic 16V 470uf
C216	7108A-000	Ceramic 25V .022uf
C218	7133A-000	Ceramic 50V .001uf
C219	7108A-000	Ceramic 25V .022uf
C220	7159A-000	Ceramic 50V 9pf

Schematic Symbol	NuTone Part No.	Description
<b>Resistors</b>		
R201	7694A-000	Carbon Film 2.2K
R202	7694A-000	Carbon Film 2.2K
R203	7694A-000	Carbon Film 2.2K
R204	7694A-000	Carbon Film 2.2K
R205	7694A-000	Carbon Film 2.2K
R206	7694A-000	Carbon Film 2.2K
R207	7694A-000	Carbon Film 2.2K
R208	7694A-000	Carbon Film 2.2K
R209	7702A-000	Carbon Film 1K
R210	7694A-000	Carbon Film 2.2K
R211	7694A-000	Carbon Film 2.2K
R212	7694A-000	Carbon Film 2.2K
R213	7694A-000	Carbon Film 2.2K
R214	7694A-000	Carbon Film 2.2K
R215	7694A-000	Carbon Film 2.2K
R216	7694A-000	Carbon Film 2.2K
R217	7694A-000	Carbon Film 2.2K
R218	7694A-000	Carbon Film 2.2K
R219	7694A-000	Carbon Film 2.2K
R220	7694A-000	Carbon Film 2.2K
R221	7694A-000	Carbon Film 2.2K
R222	7694A-000	Carbon Film 2.2K
R223	7694A-000	Carbon Film 2.2K
R224	7694A-000	Carbon Film 2.2K
R225	7694A-000	Carbon Film 2.2K
R226	7702A-000	Carbon Film 1K
R227	7720A-000	Carbon Film 47K
R228	7704A-000	Carbon Film 12K
R229	7705A-000	Carbon Film 470
R330	7714A-000	Carbon Film 5.6K
R231	7714A-000	Carbon Film 5.6K
<b>INTERCOM SWITCHING BOARD</b>		
	7666A-000	Switch Board Assembly
<b>Switches</b>		
S301	7260A-000	Remote Speaker
S302	7260A-000	Remote Speaker
S303	7260A-000	Remote Speaker
S304	7260A-000	Remote Speaker
S305	7260A-000	Remote Speaker
S306	7260A-000	Remote Speaker
S307	7260A-000	Remote Speaker
S308	7260A-000	Remote Speaker
S309	7260A-000	Remote Speaker
S310	7260A-000	Master Speaker
S311	7260A-000	Function
S312	7261A-000	Clock—Frequency
S313	7262A-000	Minute
S314	7262A-000	Hour
S315	7262A-000	Time Set
<b>Transformer and Coils</b>		
L301	7264A-000	Relay (Hands Free)
L302	7264A-000	Relay (Intercom)
L303	7264A-000	Relay (Intercom)
L304	7072A-000	Bead Core
T301	7263A-000	Intercom—Input

Schematic Symbol	NuTone Part No.	Description
<b>Jacks</b>		
J301	7076A-000	Phono
J302	7076A-000	Tape
J303	7076A-000	Line Out
<b>Transistors</b>		
Q301	7266A-000	Switching—2SA564R
Q302	7267A-000	Intercom Pre-Amp—2SC1844(E) (F) or 2SC2634 (S) (T)
Q303	7267A-000	Radio Signal Buffer—2SC1844(E) (F) or 2SC2634(S) (T)
Q304	7037A-000	Relay Driver—2SC945P or 2SC828R
Q305	7037A-000	Line Out Pre-Amp—2SC945P or 2SC828R
Q340	7267A-000	Chime Pre-Amp—2SC1844(E) (F) or 2SC2634(S) (T)
Q341	7037A-000	Chime Buffer—2SC945P or 2SC828R
<b>Diodes</b>		
D301	7265A-000	LED (AM)—LN242RPH
D302	7265A-000	LED (FM)—LN242RPH
D303	7265A-000	LED (Phono)—LN242RPH
D304	7265A-000	LED (Tape)—LN242RPH
D305	7038A-000	Silicon—IN4148, IS2473, BA317
D306	7038A-000	Silicon—IN4148, IS2473, BA317
D307	7038A-000	Silicon—IN4148, IS2473, BA317
D308	7038A-000	Silicon—IN4148, IS2473, BA317
D309	7038A-000	Silicon—IN4148, IS2473, BA317
D310	7038A-000	Silicon—IN4148, IS2473, BA317
D311	7038A-000	Silicon—IN4148, IS2473, BA317
<b>Variable Resistors</b>		
VR301	7268A-000	Intercom Volume
VR302	7268A-000	Tone 20K
<b>Capacitors</b>		
C302	7125A-000	Electrolytic 50V 1uf
C303	7145A-000	Electrolytic 16V 220uf
C304	7133A-000	Ceramic YB .001uf
C305	7138A-000	Electrolytic 16V 47uf
C306	7125A-000	Electrolytic 50V 1uf
C307	7125A-000	Electrolytic 50V 1uf
C308	7133A-000	Ceramic YB .001uf
C309	7153A-000	Electrolytic 50V .47uf
C310	7127A-000	Semi 25V .033uf
C311	7153A-000	Electrolytic 50V .47uf
C312	7133A-000	Ceramic YB .001uf
C313	7154A-000	Electrolytic 50V 4.7uf
C314	7155A-000	Semi 25V .01uf
C315	7156A-000	Electrolytic 16V 47uf
C316	7157A-000	Semi 25V .0082uf
C317	7114A-000	Ceramic YB 330PF
C340	7127A-000	Semi 25V .033uf
C341	7127A-000	Semi 25V .003uf
C342	7145A-000	Electrolytic 16V 220uf
C343	7125A-000	Electrolytic 50V 1uf
C344	7133A-000	Ceramic YB .001uf
C345	7133A-000	Ceramic YB .001uf
C346	7125A-000	Electrolytic 50V 1uf
<b>Resistors</b>		
R301	7725A-000	Carbon Film 560K
R302	7725A-000	Carbon Film 560K
R303	7717A-000	Carbon Film 1.2K

Schematic Symbol	NuTone Part No.	Description
R304	7693A-000	Carbon Film 1.5K
R305	7717A-000	Carbon Film 1.2K
R306	7694A-000	Carbon Film 2.2K
R307	7702A-000	Carbon Film 1K
R308	7688A-000	Carbon Film 1M
R309	7690A-000	Carbon Film 330Ω
R310	7699A-000	Carbon Film 3.3K
R311	7707A-000	Carbon Film 470Ω
R312	7707A-000	Carbon Film 330K
R313	7694A-000	Carbon Film 2.2K
R314	7714A-000	Carbon Film 5.6K
R315	7725A-000	Carbon Film 560K
R316	7724A-000	Carbon Film 4.7K
R317	7724A-000	Carbon Film 4.7K
R318	7690A-000	Carbon Film 330Ω
R319	7702A-000	Carbon Film 1K
R320	7699A-000	Carbon Film 3.3K
R321	7726A-000	Carbon Film 12Ω
R322	7726A-000	Carbon Film 12Ω
R323	7726A-000	Carbon Film 12Ω
R324	7726A-000	Carbon Film 12Ω
R325	7726A-000	Carbon Film 12Ω
R326	7726A-000	Carbon Film 12Ω
R327	7726A-000	Carbon Film 12Ω
R328	7726A-000	Carbon Film 12Ω
R329	7727A-000	Carbon Film 12Ω
R330	7727A-000	Carbon Film 12Ω
R331	7690A-000	Carbon Film 330Ω
R340	7690A-000	Carbon Film 330Ω
R341	7714A-000	Carbon Film 5.6K
R342	7688A-000	Carbon Film 1M
R343	7707A-000	Carbon Film 330K
R344	7694A-000	Carbon Film 2.2K
R345	7728A-000	Carbon Film 220Ω
R346	7706A-000	Carbon Film 100Ω
R347	7729A-000	Carbon Film 15Ω
R349	7730A-000	Carbon Film 820K
R350	7717A-000	Carbon Film 1.2K
<b>General</b>		
	7731A-000	Connector—4 Pin
	7294A-000	Connector Assembly
	7270A-000	Housing—9 Pin
	7101A-000	Contacts
	7297A-000	Connector Assembly
	7272A-000	Housing—4 Pin
	7101A-000	Contacts
	7296A-000	Connector Assembly
	7915A-000	Housing—6 Pin
	7101A-000	Contact
	7295A-000	Connector Assembly
	7271A-000	Housing—7 Pin
	7101A-000	Contacts
	7273A-000	Connector Assembly (multi-color)
		Housing—9 Pin
		Contact
	7103A-000	Cable Tie
	7843A-000	Spacer—LED
<b>CASSETTE LED AND SWITCHING BOARD</b>		
	7624A-000	LED & Switch Board Assembly Complete

# REPLACEMENT PARTS

Schematic Symbol	NuTone Part No.	Description
<b>Switches</b>		
SW801	7794A-000	Outgoing Message—Record
SW802	7794A-000	Outgoing Message—Play
SW803	7794A-000	Incoming Message—Record
SW804	7794A-000	Incoming Message—Play
SW805	7794A-000	Incoming Message—Rewind
SW806	7794A-000	Incoming Message—Rewind/Erase
SW807	7794A-000	Incoming Message—Fast Forward
SW808	7794A-000	Outgoing Message—Answer
SW809	7794A-000	Outgoing Message—Announce Only
SW810	7794A-000	Stop
SW811	7795A-000	Slide Switch—Record Time
SW812	7795A-000	Slide Switch—Input
VR801	7826A-000	Variable Resistor (Ringer) 50K
<b>Transistors</b>		
Q801	7037A-000	Switching—LC945PX or C945P
Q802	7748A-000	Switching—A733P or LA733PX
<b>Diodes</b>		
D801	7827A-000	Red LED—SLC-26VRS, 1401224
D802	7827A-000	Red LED—SLC-26VRS, 1401224
D803	7827A-000	Red LED—SLC-26VRS, 1401224
D804	7827A-000	Red LED—SLC-26VRS, 1401224
D805	7827A-000	Red LED—SLC-26VRS, 1401224
D806	7827A-000	Red LED—SLC-26VRS, 1401224
D807	7827A-000	Red LED—SLC-26VRS, 1401224
D808	7827A-000	Red LED—SLC-26VRS, 1401224
D809	7827A-000	Red LED—SLC-26VRS, 1401224
D810	7827A-000	Red LED—SLC-26VRS, 1401224
D811	7827A-000	Red LED—SLC-26VRS, 1401224
D812	7827A-000	Red LED—SLC-26VRS, 1401224
D813	7814A-000	Silicon—SLC-26VRS, US1040MTAT or ISS133T
D814	7814A-000	Silicon—SLC-26VRS, US1040MTAT or ISS133T
D815	7814A-000	Silicon—SLC-26VRS, US1040MTAT or ISS133T
D816	7814A-000	Silicon—SLC-26VRS, US1040MTAT or ISS133T
<b>Resistors</b>		
R801	7694A-000	Carbon Film 2.2K
R802	7694A-000	Carbon Film 2.7K
R803	7694A-000	Carbon Film 2.2K
R804	7694A-000	Carbon Film 2.2K
R805	7694A-000	Carbon Film 2.2K
R806	7694A-000	Carbon Film 2.2K
R807	7694A-000	Carbon Film 2.2K
R808	7694A-000	Carbon Film 2.2K
R809	7694A-000	Carbon Film 2.2K
R810	7694A-000	Carbon Film 2.2K
R811	7694A-000	Carbon Film 2.2K
R812	7694A-000	Carbon Film 2.2K
R813	7695A-000	Carbon Film 27K
R815	7712A-000	Carbon Film 100K
R816	7712A-000	Carbon Film 100K
R817	7828A-000	Carbon Film 200K
R818	7720A-000	Carbon Film 47K
R819	7720A-000	Carbon Film 47K
R820	7720A-000	Carbon Film 47K
R821	7720A-000	Carbon Film 47K
R822	7712A-000	Carbon 100K
R823	7701A-000	Carbon 10K

Schematic Symbol	NuTone Part No.	Description
<b>General</b>		
	7587A-000	Pushbutton
	7861A-000	Pushbutton
	7932A-000	Insulator
	7845A-000	Mounting Bracket L.E.D.—Single
	7846A-000	Mounting Bracket L.E.D.—Double
	7847A-000	Mounting Bracket L.E.D.—Triple
<b>Connectors</b>		
	7841A-000	Connector Base—2 Pin
	7842A-000	Connector Base—3 Pin
	7848A-000	Connector Assembly—Black
	7917A-000	Housing—7 Pin
	7101A-000	Contact
	7049A-000	Connector Assembly—Black
	7918A-000	Housing—10 Pin
	7101A-000	Contact
	7850A-000	Connector Assembly—Black
	7919A-000	Housing—9 Pin
	7101A-000	Contact
	7851A-000	Connector Assembly—Black
	7920A-000	Housing—13 Pin
	7101A-000	Contact
<b>CASSETTE/TELEPHONE AUDIO BOARD</b>		
	7646A-000	Cassette/Telephone Audio Board Assembly Complete
<b>Inductors</b>		
L601	7732A-000	Micro Inductor 3.9mH
L602	7733A-000	Micro Inductor—2 Lead 6.8mH
L603	7734A-000	Micro Inductor—3 Lead 6.8mH
<b>Transformer and Coil</b>		
T601	7735A-000	Audio Transformer
T602	7736A-000	Oscillator Coil
<b>Variable Resistors</b>		
VR601	7737A-000	Semi-Fixed 100K
VR602	7738A-000	Semi-Fixed 10K
<b>Relays</b>		
RL601	7739A-000	Relay
RL602	7740A-000	Relay
RL603	7740A-000	Relay
<b>Integrated Circuits</b>		
IC601	7744A-000	Record/Playback Amp—BA5102A
IC602	7745A-000	VOX Amp Ring Timer—NJM4558D
IC603	7745A-000	Remote Beeper Amp/Detector—NJM4558D
IC604	7746A-000	Telephone Off Hook Detector—PC733H
IC605	7747A-000	Analog Switch—MN4066B or TC4066BP
IC606	7747A-000	Analog Switch—MN4066B or TC4066BP
<b>Transistors</b>		
Q601	7748A-000	Ring Timer Driver—A733P or LA733P

Schematic Symbol	NuTone Part No.	Description
Q602	7037A-000	Ring Timer Pre-Driver—C945P or LC945P
Q603	7037A-000	Switching—C945P or LC945P
Q604	7037A-000	VOX Muting—C945P or LC945P
Q605	7037A-000	VOX Switch—C945P or LC945P
Q606	7748A-000	VOX Switch—A733P or LA733PX
Q607	7037A-000	VOX Time Constant Switch—C945P or LC945PX
C608	7037A-000	OGM #1 Erase Head Driver—C945P or LC945PX
C609	7037A-000	OGM #2 Erase Head Driver—C945P or LC945PX
Q610	7037A-000	ICM Erase Oscillator—C945P or LC945PX
Q611	7037A-000	Switching—C945P or LC945PX
Q612	7037A-000	Switching—C945P or LC945PX
Q613	7037A-000	Switching—C945P or LC945PX
Q614	7037A-000	Switching—C945P or LC945PX
Q615	7037A-000	Telephone Line Amplifier—C945P or LC945PX
Q616	7037A-000	Switching—C945P or LC945PX
Q617	7748A-000	Remote Beeper Timer—A733P or LA733PX
Q618	7037A-000	Remote Beeper Timer—C945P or LC945AP
<b>Diodes</b>		
D601	7749A-000	Silicon—US1040MTAT or ISS133T or US1040MTA or ISS133
D603	7749A-000	Silicon—US1040MTAT or ISS133T or US1040MTA or ISS133
D605	7749A-000	Silicon—US1040MTAT or ISS133T or US1040MTA or ISS133
D606	7749A-000	Silicon—US1040MTAT or ISS133T or US1040MTA or ISS133
D610	7750A-000	Zener 24V—UZ24BM
D611	7750A-000	Zener 24V—UZ24BM
D612	7750A-000	Zener 24V—UZ24BM
D613	7750A-000	Zener 24V—UZ24BM
D614	7751A-000	Silicon—SRIK-2 or 10D-1
D615	7751A-000	Silicon—SRIK-2 or 10D-1
D616	7751A-000	Silicon—SRIK-2 or 10D-1
<b>Capacitors</b>		
C601	7753A-000	Metal .27uf 250V
C602	7141A-000	Electrolytic 47uf 10V
C603	7754A-000	Electrolytic 22uf 10V
C604	7755A-000	Electrolytic 220uf 10V
C605	7756A-000	Ceramic SL 33pf
C606	7757A-000	Electrolytic .47uf 50V
C607	7757A-000	Electrolytic .47uf 50V
C608	7758A-000	Electrolytic 22uf 10V
C609	7759A-000	Electrolytic 100uf 10V
C610	7760A-000	Electrolytic 10uf 16V
C611	7761A-000	Electrolytic 1uf 50V
C612	7762A-000	Electrolytic 33uf 10V
C613	7763A-000	Mylar .001uf
C614	7762A-000	Electrolytic 33uf 10V
C615	7760A-000	Electrolytic 10uf 16V
C616	7765A-000	Mylar .018uf
C617	7766A-000	Electrolytic 4.7uf 25V
C618	7766A-000	Electrolytic 4.7uf 25V
C619	7767A-000	Mylar .0015uf
C620	7761A-000	Electrolytic 1uf 50V
C621	7768A-000	Electrolytic 100uf 16V
C622	7769A-000	Electrolytic 22uf 16V
C623	7770A-000	Ceramic 100pf

Schematic Symbol	NuTone Part No.	Description
C624	7760A-000	Electrolytic 10uf 16V
C625	7760A-000	Electrolytic 10uf 16V
C626	7760A-000	Electrolytic 10uf 16V
C627	7771A-000	Ceramic .056uf
C629	7760A-000	Electrolytic 10uf 16V
C630	7763A-000	Mylar .001uf
C631	7761A-000	Electrolytic 1uf 50V
C632	7767A-000	Mylar .0015uf
C633	7764A-000	Mylar .0015uf
C634	7768A-000	Electrolytic 100uf 16V
C635	7772A-000	Electrolytic 47uf 10V
C636	7761A-000	Electrolytic 1uf 50V
C637	7773A-000	Electrolytic .1uf 50V
C638	7760A-000	Electrolytic 10uf 16V
C639	7774A-000	Mylar .0018uf
C640	7774A-000	Mylar .0018uf
C641	7774A-000	Mylar .0018uf
C642	7775A-000	Mylar .0022uf
C643	7761A-000	Electrolytic 1uf 50V
C644	7776A-000	Ceramic .001uf
C645	7776A-000	Ceramic .001uf
C646	7777A-000	Ceramic 330pf
C647	7778A-000	Mylar .015uf
C648	7779A-000	Mylar .01uf
C649	7780A-000	Mylar .0068uf
C650	7762A-000	Electrolytic 33uf 10V
C651	7760A-000	Electrolytic 10uf 16V
C652	7773A-000	Electrolytic .1uf 50V
C653	7760A-000	Electrolytic 10uf 16V
C654	7781A-000	Ceramic 68pf
C655	7759A-000	Electrolytic 100uf 10V
C656	7760A-000	Electrolytic 10uf 16V
<b>Resistors</b>		
R601	7701A-000	Carbon Film 10K
R602	7720A-000	Carbon Film 47K
R604	7782A-000	Carbon Film 470K
R605	7720A-000	Carbon Film 47K
R606	7701A-000	Carbon Film 10K
R607	7720A-000	Carbon Film 47K
R608	7701A-000	Carbon Film 10K
R609	7712A-000	Carbon Film 100K
R610	7783A-000	Carbon Film 220K
R611	7724A-000	Carbon Film 4.7K
R612	7724A-000	Carbon Film 4.7K
R613	7784A-000	Carbon Film 4.7M
R614	7701A-000	Carbon Film 10K
R615	7701A-000	Carbon Film 10K
R616	7701A-000	Carbon Film 10K
R617	7712A-000	Carbon Film 100K
R618	7695A-000	Carbon Film 27K
R619	7688A-000	Carbon Film 1M
R620	7724A-000	Carbon Film 4.7K
R621	7782A-000	Carbon Film 470K
R622	7702A-000	Carbon Film 1K
R623	7701A-000	Carbon Film 10K
R624	7712A-000	Carbon Film 100K
R625	7701A-000	Carbon Film 10K
R626	7712A-000	Carbon Film 100K
R627	7701A-000	Carbon Film 10K
R628	7720A-000	Carbon Film 47K
R630	7694A-000	Carbon Film 2.2K
R631	7694A-000	Carbon Film 2.2K
R632	7697A-000	Carbon Film 22K
R633	7724A-000	Carbon Film 4.7K

# REPLACEMENT PARTS

Schematic Symbol	NuTone Part No.	Description
R634	7714A-000	Carbon Film 5.6K
R635	7692A-000	Carbon Film 6.8K
R636	7712A-000	Carbon Film 100K
R637	7688A-000	Carbon Film 1M
R638	7722A-000	Carbon Film 180K
R639	7701A-000	Carbon Film 10K
R640	7785A-000	Carbon Film 270K
R641	7720A-000	Carbon Film 47K
R642	7720A-000	Carbon Film 47K
R643	7712A-000	Carbon Film 100K
R644	7701A-000	Carbon Film 10K
R646	7712A-000	Carbon Film 100K
R647	7701A-000	Carbon Film 10K
R648	7700A-000	Carbon Film 120Ω
R649	7786A-000	Carbon Film 560Ω
R650	7692A-000	Carbon Film 6.8K
R651	7787A-000	Carbon Film 150K
R652	7788A-000	Carbon Film 270Ω
R653	7789A-000	Carbon Film 15K
R654	7789A-000	Carbon Film 15K
R655	7790A-000	Carbon Film 33Ω
R656	7791A-000	Carbon Film 82K
R657	7789A-000	Carbon Film 15K
R659	7701A-000	Carbon Film 10K
R660	7713A-000	Carbon Film 2.7K
R661	7701A-000	Carbon Film 10K
R662	7792A-000	Carbon Film 56K
R663	7701A-000	Carbon Film 10K
R664	7712A-000	Carbon Film 100K
R665	7702A-000	Carbon Film 1K
R666	7694A-000	Carbon Film 2.2K
R667	7701A-000	Carbon Film 10K
R668	7702A-000	Carbon Film 1K
R669	7730A-000	Carbon Film 820K
R670	7724A-000	Carbon Film 4.7K
R671	7701A-000	Carbon Film 10K
R672	7701A-000	Carbon Film 10K
R673	7720A-000	Carbon Film 47K
R674	7704A-000	Carbon Film 12K
R675	7704A-000	Carbon Film 12K
R676	7702A-000	Carbon Film 1K
R677	7701A-000	Carbon Film 10K
R678	7702A-000	Carbon Film 1K
R679	7701A-000	Carbon Film 10K
R680	7700A-000	Carbon Film 120
R681	7793A-000	Carbon Film 10
R682	7789A-000	Carbon Film 15K
R683	7706A-000	Carbon Film 100Ω
R684	7796A-000	Carbon Film 180Ω
R685	7688A-000	Carbon Film 1M
R686	7797A-000	Carbon Film 390Ω
R687	7722A-000	Carbon Film 180K
R688	7798A-000	Carbon Film 680Ω
R689	7704A-000	Carbon Film 12K
R690	7694A-000	Carbon Film 2.2K
R691	7694A-000	Carbon Film 2.2K
R692	7797A-000	Carbon Film 390Ω
R693	7797A-000	Carbon Film 390Ω
R694	7701A-000	Carbon Film 10K
R695	7701A-000	Carbon Film 10K
R696	7701A-000	Carbon Film 10K
R697	7799A-000	Carbon Film 390K
R698	7702A-000	Carbon Film 1K
R699	7800A-000	Carbon Film ¼W, 10Ω

Schematic Symbol	NuTone Part No.	Description
<b>Connectors</b>		
	7280A-000	Connector Base—2 Pin
	7317A-000	Connector Base—4 Pin
	7259A-000	Connector Base—6 Pin
	7839A-000	Connector Base—6 Pin
	7281A-000	Connector Base—7 Pin
	7295A-000	Connector Assembly
	7271A-000	Housing—7 Pin
	7101A-000	Contact
	7856A-000	Connector Assembly
	7921A-000	Housing—8 Pin
	7101A-000	Contact
<b>General</b>		
J601	7741A-000	Modular Jack
Z601	7752A-000	Surge Absorber
TF601	7743A-000	Tuning Fork—1132, 5Hz
<b>MICROPHONE BOARD</b>		
	7647A-000	Microphone Board Assembly Complete
M601	7742A-000	Microphone
<b>CASSETTE LOGIC CONTROL BOARD</b>		
	7641A-000	Logic Control Board Assembly Complete
<b>Integrated Circuits</b>		
IC701	7801A-000	Tape Function MPU—UPD7520C
IC702	7802A-000	Fast Forward/Rewind Motor Driver—BA6109
IC703	7803A-000	30/60 Second Timer/Remote Beeper Timer—NJM5560
IC704	7804A-000	Timer—NJM555D
IC705	7805A-000	Dual Flip Flop—UPD4013BC or 14013BCP
IC706	7806A-000	LED Driver—BA664
IC707	7806A-000	LED Driver—BA664
IC708	7807A-000	2 Input NAND—MC14011BCP or 14011BCP or UPD4011BC
IC709	7808A-000	2 Input AND—MC14081BCP or 14081BCP or UPD4081BC
IC710	7809A-000	2 Input NOR—MC14001BCP or 14001BCP or UPD4001BC
IC711	7810A-000	2 Input OR—MC14071BCP or 14071BCP or UPD4071BC
IC712	7811A-000	Driver—IR3403
IC713	7808A-000	2 Input AND—MC14081BCP or 14081BCP or UPD4081BC
IC714	7807A-000	2 Input NAND—MC14011BCP or 14011BCP or UPD4011BC
IC715	7808A-000	2 Input AND—MC14081BCP or 14081BCP or UPD4081BC
IC716	7807A-000	2 Input NAND—MC14011BCP or 14011BCP or UPD4011BCP
IC717	7807A-000	2 Input NAND—MC14011BCP or 14011BCP or UPD4011BCP
IC718	7808A-000	2 Input AND—MC14081BCP or 14081BCP or UPD4081BCP
IC719	7808A-000	2 Input AND—MC14081BCP or 14081BCP or UPD4081BCP
IC720	7809A-000	2 Input NOR—MC14001BCP or 14001BCP or UPD4001BCP

Schematic Symbol	NuTone Part No.	Description
IC721	7810A-000	2 Input OR—MC14071BCP or 14071BCP or UPD4071BC
IC722	7809A-000	4 Input NOR—MC14002BCP or 14002BCP or UPD4002BC
IC723	7809A-000	2 Input NOR—MC14001BCP or 14001BCP or UPD4001BC
IC724	7807A-000	2 Input NAND—MC14011BCP or 14011BCP or UPD4011BC
IC725	7808A-000	2 Input AND—MC14081BCP or 14081BCP or UPD4081BC
IC726	7808A-000	2 Input AND—MC14081BCP or 14081BCP or UPD4081BC
IC727	7808A-000	2 Input AND—MC14081BCP or 14081BCP or UPD4081BC
IC728	7807A-000	2 Input NAND—MC14011BCP or 14011BCP or UPD4011BC
IC729	7807A-000	2 Input NAND—MC14011BCP or 14011BCP or UPD4011BC
IC730	7808A-000	2 Input AND—MC14081BCP or 14081BCP or UPD4081BC
IC731	7807A-000	2 Input NAND—MC14011BCP or 14011BCP or UPD4011BC
IC732	7809A-000	2 Input NOR—MC14001BCP or 14001BCP or UPD4001BC
IC733	7807A-000	2 Input NAND—MC14011BCP or 14011BCP or UPD4011BC
IC734	7808A-000	2 Input AND—MC14081BCP or 14081BCP or UPD4081BC
IC735	7808A-000	2 Input AND—MC14081BCP or 14081BCP or UPD4081BC
IC736	7810A-000	2 Input OR—MC14071BCP or 14071BCP or UPD4071BC
IC737	7807A-000	2 Input NAND—MC14011BCP or 14011BCP or UPD4011BC
IC738	7807A-000	2 Input NAND—MC14011BCP or 14011BCP or UPD4011BC
IC739	7807A-000	2 Input NAND—MC14011BCP or 14011BCP or UPD4011BC
IC740	7807A-000	2 Input NAND—MC14011BCP or 14011BCP or UPD4011BC
<b>Transistors</b>		
Q701	7748A-000	Switching—A733P or LA733PX
Q702	7812A-000	Switching—C945P or LC945PX
Q703	7812A-000	Switching—C945P or LC945PX
Q704	7748A-000	Pre-Driver for Solenoid SL1—A733P or LA733PX
Q705	7813A-000	Driver for Solenoid SL1—D1189Q
Q706	7748A-000	Pre-Driver For Solenoid SL2—A733P or LA733PX
Q707	7813A-000	Driver for Solenoid SL2—D1189Q
Q708	7813A-000	Driver for Capstan Motor—D1189Q
Q709	7812A-000	Pre-Driver for Capstan Motor—C945P or LC945PX
Q710	7812A-000	Switching—C945P or LC945PX
Q711	7812A-000	Switching—C945P or LC945PX
Q712	7812A-000	Halleffects Pulse Buffer—C945P or LC945PX
Q713	7812A-000	Halleffects Switching—C945P or LC945PX
Q714	7812A-000	Switching—C945P or LC945PX
<b>Diodes</b>		
D701	7814A-000	Silicon—US1040MTAT or ISS133T
D702	7814A-000	Silicon—US1040MTAT or ISS133T
D703	7814A-000	Silicon—US1040MTAT or ISS133T
D704	7814A-000	Silicon—US1040MTAT or ISS133T
D705	7814A-000	Silicon—US1040MTAT or ISS133T
D707	7814A-000	Silicon—US1040MTAT or ISS133T
D708	7814A-000	Silicon—US1040MTAT or ISS133T

Schematic Symbol	NuTone Part No.	Description
D709	7814A-000	Silicon—US1040MTAT or ISS133T
D710	7814A-000	Silicon—US1040MTAT or ISS133T
D711	7814A-000	Silicon—US1040MTAT or ISS133T
D712	7814A-000	Silicon—US1040MTAT or ISS133T
D713	7814A-000	Silicon—US1040MTAT or ISS133T
D714	7814A-000	Silicon—US1040MTAT or ISS133T
D715	7814A-000	Silicon—US1040MTAT or ISS133T
D716	7814A-000	Silicon—US1040MTAT or ISS133T
D717	7814A-000	Silicon—US1040MTAT or ISS133T
D718	7814A-000	Silicon—US1040MTAT or ISS133T
D719	7814A-000	Silicon—US1040MTAT or ISS133T
D720	7814A-000	Silicon—US1040MTAT or ISS133T
D721	7814A-000	Silicon—US1040MTAT or ISS133T
D722	7814A-000	Silicon—US1040MTAT or ISS133T
D723	7814A-000	Silicon—US1040MTAT or ISS133T
D724	7814A-000	Silicon—US1040MTAT or ISS133T
D725	7814A-000	Silicon—US1040MTAT or ISS133T
D726	7814A-000	Silicon—US1040MTAT or ISS133T
D727	7814A-000	Silicon—US1040MTAT or ISS133T
D728	7814A-000	Silicon—US1040MTAT or ISS133T
D729	7814A-000	Silicon—US1040MTAT or ISS133T
D730	7814A-000	Silicon—US1040MTAT or ISS133T
D731	7814A-000	Silicon—US1040MTAT or ISS133T
D732	7814A-000	Silicon—US1040MTAT or ISS133T
D733	7814A-000	Silicon—US1040MTAT or ISS133T
D734	7814A-000	Silicon—US1040MTAT or ISS133T
D735	7814A-000	Silicon—US1040MTAT or ISS133T
D736	7814A-000	Silicon—US1040MTAT or ISS133T
D737	7817A-000	Silicon—SRIK-2 or 10D-1
D738	7817A-000	Silicon—SRIK-2 or 10D-1
D739	7814A-000	Silicon—US1040MTAT or ISS133T
D740	7814A-000	Silicon—US1040MTAT or ISS133T
D741	7814A-000	Silicon—US1040MTAT or ISS133T
D742	7814A-000	Silicon—US1040MTAT or ISS133T
D743	7814A-000	Silicon—US1040MTAT or ISS133T
D744	7814A-000	Silicon—US1040MTAT or ISS133T
D745	7814A-000	Silicon—US1040MTAT or ISS133T
D746	7814A-000	Silicon—US1040MTAT or ISS133T
D747	7814A-000	Silicon—US1040MTAT or ISS133T
D748	7814A-000	Silicon—US1040MTAT or ISS133T
D749	7814A-000	Silicon—US1040MTAT or ISS133T
D750	7814A-000	Silicon—US1040MTAT or ISS133T
D751	7814A-000	Silicon—US1040MTAT or ISS133T
D752	7814A-000	Silicon—US1040MTAT or ISS133T
D753	7814A-000	Silicon—US1040MTAT or ISS133T
D754	7814A-000	Silicon—US1040MTAT or ISS133T
D755	7814A-000	Silicon—US1040MTAT or ISS133T
D756	7814A-000	Silicon—US1040MTAT or ISS133T
D757	7814A-000	Silicon—US1040MTAT or ISS133T
D758	7814A-000	Silicon—US1040MTAT or ISS133T
D759	7815A-000	Zener—UZ4.3B
D760	7816A-000	Zener—UZ7.5BL
D761	7814A-000	Silicon—US1040MTAT or ISS133T
D762	7817A-000	Silicon—SRIK-2 or 10D-1
D763	7817A-000	Silicon—SRIK-2 or 10D-1
D764	7814A-000	Silicon—US1040MTAT or ISS133T
D765	7814A-000	Silicon—US1040MTAT or ISS133T
D766	7814A-000	Silicon—US1040MTAT or ISS133T
D767	7814A-000	Silicon—US1040MTAT or ISS133T
D768	7814A-000	Silicon—US1040MTAT or ISS133T
D769	7814A-000	Silicon—US1040MTAT or ISS133T
D770	7814A-000	Silicon—US1040MTAT or ISS133T
D771	7814A-000	Silicon—US1040MTAT or ISS133T
D772	7814A-000	Silicon—US1040MTAT or ISS133T
D773	7814A-000	Silicon—US1040MTAT or ISS133T
D774	7814A-000	Silicon—US1040MTAT or ISS133T

# REPLACEMENT PARTS

Schematic Symbol	NuTone Part No.	Description
<b>Capacitors</b>		
C701	7818A-000	Electrolytic 1 T 50V
C702	7779A-000	Mylar .01uf
C703	7819A-000	Ceramic .01uf
C704	7141A-000	Electrolytic 47uf 10V
C705	7820A-000	Electrolytic 220uf 10V
C706	7123A-000	Electrolytic 100uf 10V
C707	7141A-000	Electrolytic 47uf 10V
C708	7122A-000	Electrolytic 22uf 10V
C709	7763A-000	Mylar .001uf
C710	7124A-000	Electrolytic .1uf 50V
C711	7760A-000	Electrolytic 10uf 16V
C712	7821A-000	Electrolytic 1uf 50V
C713	7822A-000	Electrolytic 4.7uf 25V
C714	7822A-000	Electrolytic 4.7uf 25V
C715	7822A-000	Electrolytic 4.7uf 25V
C716	7760A-000	Electrolytic 10uf 16V
C717	7823A-000	Electrolytic 0.1uf 50V
C718	7760A-000	Electrolytic 10uf 16V
C719	7760A-000	Electrolytic 10uf 16V
C720	7141A-000	Electrolytic 47uf 10V
C721	7762A-000	Electrolytic 33uf 10V
C722	7141A-000	Electrolytic 47uf 10V
C723	7141A-000	Electrolytic 47uf 10V
C725	7759A-000	Electrolytic 100uf 10V
C726	7141A-000	Electrolytic 47uf 10V
C727	7760A-000	Electrolytic 10uf 16V
C728	7125A-000	Electrolytic .1uf 50V
C729	7125A-000	Electrolytic .1uf 50V
C730	7760A-000	Electrolytic 10uf 16V
C732	7776A-000	Ceramic .001uf
C733	7776A-000	Ceramic .001uf
C735	7108A-000	Ceramic .022uf
C736	7108A-000	Ceramic .022uf
C737	7108A-000	Ceramic .022uf
C739	7133A-000	Ceramic .001uf
C740	7133A-000	Ceramic .001uf
C741	7133A-000	Ceramic .001uf
C742	7133A-000	Ceramic .001uf
C743	7133A-000	Ceramic .001uf
C744	7114A-000	Ceramic 330pf
C745	7114A-000	Ceramic 330pf
C746	7133A-000	Ceramic .001uf
C747	7133A-000	Ceramic .001uf
C748	7133A-000	Ceramic .001uf
C749	7133A-000	Ceramic .001uf
C750	7133A-000	Ceramic .001uf
C751	7133A-000	Ceramic .001uf
C752	7133A-000	Ceramic .001uf
C753	7133A-000	Ceramic .001uf
C754	7133A-000	Ceramic .001uf
C755	7133A-000	Ceramic .001uf
C758	7133A-000	Ceramic .001uf
C759	7133A-000	Ceramic .001uf
C760	7133A-000	Ceramic .001uf
C761	7114A-000	Ceramic SL, 330pf
C762	7123A-000	Electrolytic 100uf 10V
<b>Resistors</b>		
R701	7701A-000	Carbon Film 22K
R702	7712A-000	Carbon Film 100K
R703	7702A-000	Carbon Film 1K
R704	7712A-000	Carbon Film 100K
R705	7712A-000	Carbon Film 100K
R706	7694A-000	Carbon Film 2.2K

Schematic Symbol	NuTone Part No.	Description
R707	7701A-000	Carbon Film 10K
R708	7720A-000	Carbon Film 47K
R709	7694A-000	Carbon Film 2.2K
R710	7701A-000	Carbon Film 10K
R711	7720A-000	Carbon Film 47K
R712	7824A-000	Carbon Film 1/4W 1Ω
R713	7824A-000	Carbon Film 1/4W 1Ω
R714	7825A-000	Carbon Film 1/2W 1Ω
R715	7712A-000	Carbon Film 100K
R716	7712A-000	Carbon Film 100K
R717	7701A-000	Carbon Film 10K
R718	7720A-000	Carbon Film 100K
R719	7697A-000	Carbon Film 22K
R720	7697A-000	Carbon Film 22K
R721	7789A-000	Carbon Film 15K
R722	7720A-000	Carbon Film 47K
R723	7720A-000	Carbon Film 47K
R724	7688A-000	Carbon Film 1M
R725	7720A-000	Carbon Film 47K
R726	7712A-000	Carbon Film 100K
R727	7724A-000	Carbon Film 4.7K
R729	7697A-000	Carbon Film 22K
R730	7799A-000	Carbon Film 390K
R731	7712A-000	Carbon Film 100K
R732	7720A-000	Carbon Film 47K
R733	7720A-000	Carbon Film 47K
R734	7720A-000	Carbon Film 47K
R735	7712A-000	Carbon Film 100K
R738	7697A-000	Carbon Film 22K
R739	7697A-000	Carbon Film 22K
R740	7701A-000	Carbon Film 10K
R741	7712A-000	Carbon Film 100K
R742	7712A-000	Carbon Film 100K
R743	7712A-000	Carbon Film 100K
R744	7712A-000	Carbon Film 100K
R745	7720A-000	Carbon Film 47K
R746	7720A-000	Carbon Film 47K
R747	7712A-000	Carbon Film 100K
R748	7701A-000	Carbon Film 10K
R749	7712A-000	Carbon Film 100K
R750	7701A-000	Carbon Film 10K
R751	7782A-000	Carbon Film 470K
R752	7701A-000	Carbon Film 10K
R753	7688A-000	Carbon Film 1M
R754	7699A-000	Carbon Film 3.3K
R755	7782A-000	Carbon Film 470K
R756	7699A-000	Carbon Film 3.3K
R759	7697A-000	Carbon Film 22K
R760	7701A-000	Carbon Film 10K
R761	7782A-000	Carbon Film 470K
R762	7712A-000	Carbon Film 100K
R763	7701A-000	Carbon Film 10K
R764	7783A-000	Carbon Film 220K
R765	7697A-000	Carbon Film 22K
R766	7701A-000	Carbon Film 10K
R767	7720A-000	Carbon Film 47K
R768	7712A-000	Carbon Film 100K
R769	7724A-000	Carbon Film 4.7K
R770	7724A-000	Carbon Film 4.7K
R771	7782A-000	Carbon Film 470K
R772	7694A-000	Carbon Film 2.2K
R773	7701A-000	Carbon Film 10K
R775	7701A-000	Carbon Film 10K
R776	7712A-000	Carbon Film 100K
R777	7701A-000	Carbon Film 10K
R780	7701A-000	Carbon Film 10K

Schematic Symbol	NuTone Part No.	Description
R781	7701A-000	Carbon Film 10K
R782	7783A-000	Carbon Film 220K
R783	7712A-000	Carbon Film 100K
R784	7712A-000	Carbon Film 100K
R785	7782A-000	Carbon Film 470K
R786	7699A-000	Carbon Film 3.3K
R787	7720A-000	Carbon Film 47K
R788	7724A-000	Carbon Film 4.7K
R789	7712A-000	Carbon Film 100K
R790	7701A-000	Carbon Film 10K
R791	7712A-000	Carbon Film 100K
R793	7695A-000	Carbon Film 27K
R795	7701A-000	Carbon Film 10K
R796	7712A-000	Carbon Film 100K
R797	7720A-000	Carbon Film 47K
R501	7782A-000	Carbon Film 470K
R502	7782A-000	Carbon Film 470K
R505	7782A-000	Carbon Film 470K
R506	7782A-000	Carbon Film 470K
R507	7782A-000	Carbon Film 470K
R508	7782A-000	Carbon Film 470K
R509	7783A-000	Carbon Film 220K
R510	7782A-000	Carbon Film 470K
R511	7782A-000	Carbon Film 470K
R512	7782A-000	Carbon Film 470K
R513	7783A-000	Carbon Film 220K
R514	7782A-000	Carbon Film 470K
R515	7782A-000	Carbon Film 470K
R516	7782A-000	Carbon Film 470K
R517	7712A-000	Carbon Film 100K
R518	7688A-000	Carbon Film 1M
R519	7782A-000	Carbon Film 470K
R520	7782A-000	Carbon Film 470K
R521	7782A-000	Carbon Film ¼W 470K
R530	7704A-000	Carbon Film ¼W 12K
R531	7704A-000	Carbon Film ¼W 12K
R533	7701A-000	Carbon Film 10K
R534	7701A-000	Carbon Film 10K
R535	7783A-000	Carbon Film 220K
R536	7782A-000	Carbon Film 470K
R537	7782A-000	Carbon Film 470K
R538	7782A-000	Carbon Film 470K
R539	7712A-000	Carbon Film 100K
		<b>Connectors</b>
7317A-000		Connector Base—4 Pin
7922A-000		Connector Base—8 Pin
7282A-000		Connector Base—9 Pin
7933A-000		Connector Base—10 Pin
7924A-000		Connector Base—12 Pin
7925A-000		Connector Base—13 Pin
7281A-000		Connector Base—7 Pin
		<b>General</b>
7931A-000		Insulator 8¾ x 9
		<b>Miscellaneous</b>
7584A-000		Front Panel
7585A-000		Door (Control)
7586A-000		Door (Cassette)
35550-000		Telephone Handset (Ref. Model No.: TEL-101-SDA)
7587A-000		Knob—Cassette Control "A"
6967A-000		Knob—Intercom Control

Schematic Symbol	NuTone Part No.	Description
	7861A-000	Knob—Cassette Control "B"
	6964A-000	Knob—Volume
	6966A-000	Knob—Power
	6965A-000	Knob—Slide
	7591A-000	Inlay—Switch
	7592A-000	Inlay—Cassette
	7593A-000	Inlay—Intercom Control
	7594A-000	Inlay—Microphone
	49334-000	Directory Card
	43092-000	Remote Control (Ref. Model No.: IA-31RB)
	8040A-000	Cassette
	49657-000	Homeowner's Manual
	49656-000	Installation Instructions
	7305A-000	Hinge
	7040A-000	Hinge Bracket
	7308A-000	Tapping Screw (M4X14)
	7552A-000	Hardware Bag Complete
	7307A-000	Side Bracket
	7311A-000	Tapping Screw M3.5x10
	7310A-000	Tapping Screw M3.5x10
	7309A-000	Screw M3.5x20
	7553A-000	Tuner PCB Bracket
	6976A-000	Volume Knob Guide (A)
	6991A-000	Volume Guide Knob (B)
	7888A-000	Band
	7860A-000	Door Protector
	7863A-000	Door Stopper
	7868A-000	Refraction Plate
	7870A-000	Directory Card Window
	7871A-000	Timer Window
	7897A-000	Microphone Cushion
	7898A-000	Button Sealed Plate
	7894A-000	Isolation Plate
	7906A-000	Isolation Fiber (B)
	8082A-000	Hanger Strap Assembly
	7013A-000	Speaker—5" 25 ohm
	7648A-000	Telephone Jack
	7899A-000	Screw—Hexagon Head, M2.6x4
	7900A-000	Screw—Pan Head Taptite, M3x6
	7901A-000	Screw—Pan Head Taptite, M3x8
	7902A-000	Screw—Pan Head Tapping, M3.5x6
	7903A-000	Screw—Pan Head Tapping, M4x10
	7904A-000	Lug—4.2 x 7
	7905A-000	Lug—3.2 x 16
	7914A-000	Screw—Pan Head, M3.5x15
		<b>TERMINAL BOARD</b>
	7669A-000	Terminal Board Assembly Complete
	7852A-000	Wiring Terminal
	7854A-000	Earth Lug
	7855A-000	Connector Pin
	7280A-000	2-Pin Base Post
	7317A-000	4-Pin Base Post
	7282A-000	9-Pin Base Post
	7038A-000	Isolation—N4148 or BA317 or IS2473
D401-D409		

# REPLACEMENT PARTS

## Model IR-310 Rough-In Frame

Schematic Symbol	NuTone Part No.	Description
	43079-000	Frame Assembly
	35570-000	Housing—Transformer
	08701-910	Transformer (Reference: Model 301T)
	43080-000	Cover Assembly—Transformer
	35314-000	Cover Transformer
	35446-000	Insulator
	52789-000	Screw—#6 x 3/8 COMB. PH. SLT. OV. "25"
	43012-000	F.M. Antenna Assembly—Complete
	49313-000	Instruction Sheet
	49623-000	Instruction Sheet

## Model IA-31RB Remote Control

Schematic Symbol	NuTone Part No.	Description
<b>REMOTE CONTROL BOARD</b>		
	7645A-000	Remote Control Board Assembly
<b>Transistors</b>		
Q951	7037A-000	Pre-Amp Driver—LC945AP, C945P
Q952	7037A-000	Buzzer Driver—LC945AP, C945P
<b>Capacitors</b>		
C951	7141A-000	Electrolytic 10V 47uf
C952	7836A-000	Electrolytic—Mylar .0027uf
C953	7837A-000	Electrolytic—Mylar .0047uf
<b>Resistors</b>		
R951	7838A-000	Carbon 1/4W 150
R952	7728A-000	Carbon 1/4W 220
R953	7697A-000	Carbon 1/4W 22K
R954	7712A-000	Carbon 1/4W 100K
R955	7785A-000	Carbon 1/4W 270K
R956	7785A-000	Carbon 1/4W 270K
<b>General</b>		
SW951	7857A-000	Switch—Tact
SP951	7858A-000	Buzzer—Piezo
TF951	7859A-000	Tuning Fork (1132.5 Hz)
<b>Miscellaneous</b>		
	7616A-000	Housing—Remote Control
	7617A-000	Pushbutton
	7618A-000	Cover—Back
	7874A-000	Earpiece Rubber
	7876A-000	Remote Control Plate
	7878A-000	Battery Terminal A
	7879A-000	Battery Terminal B
	7880A-000	Battery Terminal C
	7881A-000	Battery Terminal D
	7882A-000	Battery Cushion
	7883A-000	M 2.6 x 10 Tapping Screw

## Model IC-301 Inside Remote Control

Schematic Symbol	NuTone Part No.	Description
	35479-000	Remote Control Panel
	42929-000	P.C. Board Assembly
R2	33082-271	Resistor—Film 1/4W. 270
R3	33082-332	Resistor—Film 1/4W. 3.3K
R4	33082-102	Resistor—Film 1/4W. 1K
C1, C2	35091-109	Capacitor 47 MFD. 16V
R1	34059-000	Potentiometer—Volume Control
SW1, SW2, SW3	34698-000	Switch—Momentary
	32558-W46	Wire Assembly—Blue
	39872-000	Terminal
	39403-000	Terminal
D1	36549-000	Diode—Rectifier
	L2607-000	Screw #8 x 3/8 PH. PAN. HD. "25" (terminal board mounting)
	35473-000	Knob—Switch
	35506-000	Knob—Volume Control
	42899-000	Bag Assembly
	52872-000	Screw #8 x 2" PH. FILL. HD. "A"
	49269-000	Instruction Sheet

## Model IC-301W Outdoor Remote Control

Schematic Symbol	NuTone Part No.	Description
	35479-000	Remote Control Panel
	35497-000	Rain Shield
	31967-000	Cable Clamp
	42929-000	P.C. Board Assembly Complete
R2	33082-271	Resistor—Film 1/4W. 270
R3	33082-332	Resistor—Film 1/4W. 3.3K
R4	33082-102	Resistor—Film 1/4W. 1K
C1, C2	35091-109	Capacitor 47 MFD. 16V
R1	34059-000	Potentiometer—Volume Control
SW1, SW2, SW3	34698-000	Switch—Momentary
	32558-W46	Wire Assembly—Blue
	39872-000	Terminal
	39403-000	Terminal
D1	36549-000	Diode—Rectifier
	L2607-000	Screw #8 x 3/8 PH. PAN. HD. "25" (terminal board mounting)
	35473-000	Knob—Switch
	35506-000	Knob—Volume Control
	42966-000	Envelope Assembly
	66731-039	Screw #8 x 3/4 PH. FILL. HD. "25" (mounting screws—light finish)
	35351-000	Gasket
	39890-000	Surface Mount Bezel
	49036-000	Instruction Sheet

## Model IS-305 5" Inside Speaker

Schematic Symbol	NuTone Part No.	Description
	35467-000	Remote Speaker Panel (Dark)
	35494-000	Remote Speaker Panel (Light)
	36090-000	Speaker—5"
	L2607-000	Screw #8 x 3/8 PH. PAN. HD. "25" (speaker mounting)
	42929-000	P.C. Board Assembly Complete
R2	33082-271	Resistor—Film 1/4W. 270
R3	33082-332	Resistor—Film 1/4W. 3.3K
R4	33082-102	Resistor—Film 1/4W. 1K
C1, C2	35091-109	Capacitor 47 MFD. 16V
D1	36549-000	Diode—Rectifier
R1	34059-000	Potentiometer—Volume Control
SW1, SW2, SW3	34698-000	Switch—Momentary
	32558-W46	Wire Assembly—Blue
	39872-000	Terminal
	39403-000	Terminal
	L2607-000	Screw #8 x 3/8 PH. PAN. HD. "25" (terminal board mounting)
	35473-000	Knob—Switch
	35475-000	Knob—Volume Control
	35506-000	Knob—Volume Control
	42930-000	Envelope Assembly (dark finish)
	42931-000	Envelope Assembly (light finish)
	52872-068	Screw #8 x 2" PH. FILL. HD. "A" (mounting screws—dark finish)
	52872-039	Screw #8 x 2" PH. FILL. HD. "A" (mounting screws—light finish)
	49249-000	Instruction Sheet

## Model IS-306 5" Portable Speaker

Schematic Symbol	NuTone Part No.	Description
	43057-000	Speaker Panel Assembly Complete
	35544-000	Speaker Panel—Desk Top
	35546-000	Panel Insert
	36133-000	Speaker
	L2607-000	Screw #8 x 3/8 PH. PAN. HD. "25" (speaker mounting)
	42979-000	P.C. Board Assembly Complete
R2	33082-271	Resistor—Film 1/4W. 270
R3	33082-332	Resistor—Film 1/4W. 3.3K
R4	33082-102	Resistor—Film 1/4W. 1K
D1	36549-000	Diode—Rectifier
C1, C2	35091-109	Capacitor 47 MFD. 16V
R1	34100-000	Potentiometer—Volume Control
SW1, SW2, SW3	34698-000	Switch—Momentary
	32558-W46	Wire Assembly—Blue
	39872-000	Terminal
	39403-000	Terminal
AA1	32742-000	Jumper Wire (.500)
	42320-000	Connector & Cable Assembly Complete
	L2607-000	Screw #8 x 3/8 PH. PAN. HD. "25" (terminal board mounting)
	31851-000	Cable Clamp
	35473-000	Knob—Switch
	35511-000	Knob—Volume Control
	35512-000	Inlay—Nameplate
	35510-000	Speaker Base
	39680-000	Foot Bumper
	39395-000	Screw #8 x 15/32 PH. PAN. HD. "25" (base mounting screws)
	49327-000	Instruction Sheet
	49687-000	Operator's Manual

## Model IS-308 8" Inside Speaker

Schematic Symbol	NuTone Part No.	Description
	35471-000	Remote Speaker Panel (Dark)
	35472-000	Remote Speaker Panel (Light)
	36089-000	Speaker—8"
	L2607-000	Screw #8 x 3/8 PH. PAN. HD. "25" (speaker mounting)
	42929-000	P.C. Board Assembly Complete
R2	33082-271	Resistor—Film 1/4W. 270
R3	33082-332	Resistor—Film 1/4W. 3.3K
R4	33082-102	Resistor—Film 1/4W. 1K
C1, C2	35091-109	Capacitor 47 MFD. 16V
D1	36549-000	Diode—Rectifier
R1	34059-000	Potentiometer—Volume Control
SW1, SW2, SW3	34698-000	Switch—Momentary

Schematic Symbol	NuTone Part No.	Description
	32558-W46	Wire Assembly—Blue
	39872-000	Terminal
	39403-000	Terminal
	L2607-000	Screw #8 x 3/8 PH. PAN. HD. "25" (terminal board mounting)
	35473-000	Knob—Switch
	35475-000	Knob—Volume Control
	35478-000	Knob—Volume Control
	42932-000	Envelope Assembly (dark finish)
	42933-000	Envelope Assembly (light finish)
	39941-068	Screw #8 x 2-1/2 PH. FILL. HD. "A" (mounting screws—dark finish)
	39941-039	Screw #8 x 2-1/2 PH. FILL. HD. "A" (mounting screws—light finish)
	49251-000	Instruction Sheet

# REPLACEMENT PARTS

## Model IS-309 5" Patio Speaker

Schematic Symbol	NuTone Part No.	Description
	35495-000	Remote Speaker Panel
	36108-000	Speaker—5" (Weatherproof)
	L2607-000	Screw #8 x 3/8 PH. PAN. HD. "25" (speaker mounting screws)
	35497-000	Rain Shield
	31967-000	Cable Clamp
	42929-000	P.C. Board Assembly Complete (humi-sealed)
R2	33082-271	Resistor—Film 1/4W. 270
R3	33082-332	Resistor—Film 1/4W. 3.3K
R4	33082-102	Resistor—Film 1/4W. 1K
C1, C2	35091-109	Capacitor 47 MFD. 16V
R1	34059-000	Potentiometer—Volume Control
SW1, SW2, SW3	34698-000	Switch—Momentary
	32558-W46	Wire Assembly—Blue

Schematic Symbol	NuTone Part No.	Description
D1	39872-000	Terminal
	39403-000	Terminal
	36549-000	Diode—Rectifier
	L2607-000	Screw #8 x 3/8 PH. PAN. HD. "25" (terminal board mounting)
	35474-000	Knob—Switch
	35478-000	Knob—Volume Control
	35496-000	Surface Mount Frame
	42961-000	Envelope Assembly
	52872-039	Screw #8 x 2" PH. FILL. HD. "25" (surface frame mounting)
	52807-015	Screw #6 - 32 x 1-1/4" PH. OV. HD. (speaker mounting)
	35491-000	Gasket
	49277-000	Instruction Sheet

## Model IS-304 Portable Alarm Clock Speaker

Schematic Symbol	NuTone Part No.	Description
	43055-000	Speaker Panel Assembly Complete
	35544-000	Speaker Panel—Desk Top
	35547-000	Panel Insert
	35551-000	Pushbutton—Snooze
	35521-000	Pushbutton—Time Setting
	36133-000	Speaker
	L2607-000	Screw #8 x 3/8 PH. PAN. HD. "25" (speaker mounting)
	42989-000	P.C. Board (Snooze) Assembly Complete
	34683-000	Switch—Pushbutton
	42729-102	Ribbon Wire Assembly—2 CRKT.
	L2607-000	Screw #8 x 3/8 PH. PAN. HD. "25" (P.C. Board [snooze] mounting screws)
	42990-000	P.C. Board Assembly Complete
D1 thru D10	36549-000	Diode—Rectifier
R2	33082-271	Resistor—Film 1/4W. 270
R4	33082-102	Resistor—Film 1/4W. 1K
R5	33082-560	Resistor—Film 1/4W. 56
R6	33082-221	Resistor—Film 1/4W. 220
R7, R12, R3	33082-332	Resistor—Film 1/4W. 3.3K
R8	33082-154	Resistor—Film 1/4W. 150K
R9, R11	33082-104	Resistor—Film 1/4W. 100K
R10	33082-682	Resistor—Film 1/4W. 6.8K
AA1	32742-000	Jumper Wire (.500)
C1, C2	35091-109	Capacitor—Electrolytic 47uf
C3, C4, C5	35091-123	Capacitor—Electrolytic 330uf
C6, C7	35100-166	Capacitor—Ceramic .01uf
Q1, Q2	36606-000	Transistor—PNP
Z1	36677-000	Integrated Circuit—Trigger
R1	34101-000	Potentiometer—Volume Control
K1	39337-000	Relay
T1	30615-000	Transformer—P.C. Mount

Schematic Symbol	NuTone Part No.	Description
SW1, SW2, SW3	34698-000	Switch—Momentary
SW4, SW5, SW6, SW7	34683-000	Switch—Pushbutton
SW8, SW9	34699-000	Slide Switch
	39897-103	Right Angle Post Header Assembly
	32558-W46	Wire Assembly—Blue
	39872-000	Terminal
	39403-000	Terminal
	32558-W4	Wire Assembly
	39872-000	Terminal
	43101-000	Connector & Cable Assembly
	39717-000	Receptacle—Pin Housing
	32785-000	Cable
	39677-000	Terminal—Pin
	39719-000	Strain Relief
	39718-000	Grommet
52787-015	Screw #6 x 3/8 PH. PAN. HD. "B"	
36774-000	Clock Module	
35526-000	Tinnerman Clip	
L2607-015	Screw #8 x 3/8 PH. PAN. HD. "25" (clock module mounting screws)	
31851-000	Cable Clamp	
35525-000	Speaker Base	
39395-000	Screw #8 x 15/32 PH. PAN. HD. "25" (base mounting screws)	
39680-000	Foot Bumper	
35553-000	Inlay—Nameplate	
35523-000	Inlay—Plain	
35511-000	Knob—Slide Potentiometer	
35552-000	Knob—3 Position Switch	
35473-000	Knob—Switch	
49651-000	Instruction Sheet	
49685-000	Operator's Manual	

## Model IS-304P Portable Alarm Clock Speaker with Telephone

Schematic Symbol	NuTone Part No.	Description
	43056-000	Speaker Panel Assembly Complete
	35545-000	Speaker Panel—Desk Top
	35547-000	Panel Insert
	35551-000	Pushbutton—Snooze
	35521-000	Pushbutton—Time Setting
	36133-000	Speaker
	L2607-000	Screw #8 x 3/8 PH. PAN. HD. "25" (speaker mounting screws)
	42989-000	P.C. Board Assembly Complete (Snooze)
	34683-000	Switch—Pushbutton
	42729-102	Ribbon Wire Assembly—2 CRKT.
	L2607-015	Screw #8 x 3/8 PH. PAN. HD. "25" (P.C. Board [Snooze] mounting screws)
	42990-000	P.C. Board Assembly Complete
D1 thru D10	36549-000	Diode—Rectifier
R2	33082-271	Resistor—Film 1/4W. 270
R4	33082-102	Resistor—Film 1/4W. 1K
R5	33082-560	Resistor—Film 1/4W. 56
R6	33082-221	Resistor—Film 1/4W. 220
R7, R12, R3	33082-332	Resistor—Film 1/4W. 3.3K
R8	33082-154	Resistor—Film 1/4W. 150K
R9, R11	33082-104	Resistor—Film 1/4W. 100K
R10	33082-682	Resistor—Film 1/4W. 6.8K
AA1	32742-000	Jumper Wire (.500)
C1, C2	35091-109	Capacitor—Electrolytic 47uf
C3, C4, C5	35091-123	Capacitor—Electrolytic 330uf
C6, C7	35100-166	Capacitor—Ceramic .01uf
Q1, Q2	36606-000	Transistor—PNP
Z1	36677-000	Integrated Circuit—Trigger
R1	34101-000	Potentiometer—Volume Control
K1	39337-000	Relay
T1	30615-000	Transformer—P.C. Mount
SW1, SW2, SW3	34698-000	Switch—Momentary

Schematic Symbol	NuTone Part No.	Description
SW4, SW5, SW6, SW7 SW8, SW9	34683-000	Switch—Pushbutton
	34699-000	Slide Switch
	39897-103	Right Angle Post Header Assembly
	32558-W46	Wire Assembly—Blue
	39872-000	Terminal
	39403-000	Terminal
	32558-W4	Wire Assembly—Blue
	39872-000	Terminal
	43101-000	Connector & Cable Assembly
	39717-000	Receptacle—Pin Housing
	32785-000	Cable
	39677-000	Terminal—Pin
	39719-000	Strain Relief
	39718-000	Grommet
	52787-000	Screw #6 x 3/8 PH. PAN. HD. "B"
	36774-000	Clock Module
	35526-000	Tinnerman Clip
	L2607-015	Screw #8 x 3/8 PH. PAN. HD. "25" (clock module mounting screws)
	31851-000	Cable Clamp
	35528-000	Speaker Base
	35507-000	Phone Jack
	39395-000	Screw #8 x 15/32 PH. PAN. HD. "25" (base mounting screws)
	39680-000	Foot Bumper
	35553-000	Inlay—Nameplate
	35523-000	Inlay—Plain
	35511-000	Knob—Slide Pot
	35552-000	Knob—3 Position Switch
	35473-000	Knob—Switch
	49349-000	Directory Card
	35500-000	Telephone Handset
	49350-000	Instruction Sheet
	49700-000	Operator's Manual