



Schematic Symbol	NuTone Part No.	Description	Schematic Symbol	NuTone Part No.	Description
<b>DIODES</b>			R60, R70, R76	60256-473	47K (R76 on Selector Switch S1-B, used in MH-16 ONLY)
D1	60280-000	FM Overload, 1N34A	R61	5067A-103	10, 1 Watt, Oxide Film (On Intercom PC Board) (MH-15 & MH-16)
D2	60280-000	AM Overload, 1N34A	R62	Not Used	
D3	60280-000	AM Detector, 1N34A	R65	5067A-103	10, 1 Watt, Oxide Film (MH-5)
D4, D5	60279-000	FM Detector (Use Matched Pair) 1N60	R67-R69	Not Used	
D6	5017A-000	Bias Stabilizer, HV-23	R75	Not Used	
D7	Not Used		<b>THERMISTORS</b>		
D8, D9	5018A-000	Power Rectifier	TH1, TH2	5037A-000	Output Transistor's Temperature Compensator (Use Matched Pair)
D10, D11	Not Used		<b>VARIABLE RESISTORS</b>		
D12	5019A-000	FM AFC, 1S85	VR1	60247-000	50K, Volume All Speakers (Ganged with S4 ON/OFF Switch)
D13, D14	5020A-000	Protector, Antenna Static Charge, 1S2076	VR2	5043A-000	100K, Level Set (On AM/FM PC Board)
D15	5021A-000	Zener Voltage Regulator, 7.2V, XZ-072	VR3	34059-000	100, Volume Master Unit Speaker (On Intercom PC Board)
<b>RESISTORS</b>			<b>SWITCHES</b>		
R1, R5, R15, R27, R32, R33, R37, R43, R66 R73	60256-472	4.7K	S1	5049A-000	Program Selector (MH-16)
R2	60256-561	560	S2	34615-000	Door Speaker ON/OFF (On Intercom PC Board)
R3, R7, R20, R46	60256-151	150	S3	Not Used	
R4, R19, R30, R31, R34	60256-102	1K	S4	60247-000	Power ON/OFF (Ganged with VR1)
R6	60256-331	330	S5	34616-000	Talk/Listen, Master Unit Speaker (On Intercom PC Board) (MH-15 & MH-16)
R8	Not Used		S6	5048A-000	Program Selector (MH-5 & MH-15)
R9, R63	60256-330	33	<b>TRANSFORMERS</b>		
R10, R42	60256-122	1.2K	T1	5029A-000	1st. FM IF, 10.7 MHz.
R11, R13	60256-104	100K	T2	5029A-000	2nd. FM IF, 10.7 MHz.
R12, R29	60256-224	220K	T3	5029A-000	3rd. FM IF, 10.7 MHz.
R14	5040A-105	1M, ½ Watt	T4	5030A-000	4th. FM IF, 10.7 MHz.
R16	Not Used		T5	5031A-000	FM Discriminator
R17	60256-682	6.8K	T6	5032A-000	1st. AM IF, 455 KHz.
R18	60256-681	680	T7	5033A-000	2nd. AM IF, 455 KHz.
R21, R26, R52, R54, R59, R64	60256-101	100	T8	5034A-000	3rd. AM IF, 455 KHz.
R22	60256-153	15K	T9	60243-000	Audio, Output Driver
R23	60257-103	10K	T10	60242-000	Power, 120Vac, 60 Hz. primary. Secondary 24 Vac.
R24	60257-152	1.5K	T11	Not Used	
R25	Not Used		T12	5036A-000	Intercom Input (ON Intercom PC Board) (MH-15 & MH-16)
R28	60256-103	10K	<b>TRANSISTORS</b>		
R35	60256-105	1M	Q1	5010A-000	FM RF Amplifier, Sharp 2SC535(B)
R36	60256-563	56K			
R38	Not Used				
R39, R53, R55	60256-222	2.2K			
R40	60256-181	180			
R41, R71, R72	60256-223	22K			
R44	Not Used				
R45	60256-182	1.8K			
R47, R50, R74	60256-154	150K			
R48	60256-822	8.2K			
R49	5041A-181	180, 1 Watt, Oxide Film			
R51	60256-121	120			
R56, R57	5041A-222	2.2, 1 Watt, Oxide Film			
R58	5042A-680	68, ½ Watt			



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	39344-000	Knob, Volume Control (IC-21 and IS-25)
	39346-000	Knob, Volume Control (IS-28D)
	39380-000	Knob, Volume Control (IS-28L)
	38571-000	Bezel (IC-21)

### IS-60 BUILT-IN DOOR SPEAKER

#### IS-62 SURFACE MOUNT DOOR SPEAKER

	41503-900	IS-60 Speaker Assembly Complete
	41465-900	IS-62 Speaker Assembly Complete
	38356-202	IS-62 Box
	41504-000	Front Panel Assembly (IS-60)
	38576-000	Front Panel (IS-60)
	38338-000	Grille (IS-62)
	36076-000	Speaker, 3½ In., 16-Ohm Voice Coil
	32269-000	Mounting Plate (IS-62)
	34546-000	Talk/Listen Switch Assembly Complete (IS-62)
	39370-000	Pushbutton, Talk/Listen (IS-60)
	39431-051	Contact Wire, T/L Switch (IS-60)
	39432-051	Contact, T/L Switch (IS-60)

#### IS-13 INSIDE 3½ INCH SPEAKER

	13670-900	Complete Assembly
R101	34059-000	200 Ohm VOLUME CONTROL
	39294-000	Knob, Volume Control
	36076-000	3½ Inch, 16 Ohm Speaker
	32523-005	Rough-in Frame (NuTone IR-3)

#### IS-66 BUILT-IN DOOR SPEAKER

	13757-900	Complete Assembly
	32039-014	Outside Panel
	31780-000	Speaker Gasket
	36076-000	3½ Inch, 16 Ohm Speaker
S101	34500-000	Switch, Slide TALK/LISTEN

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### IS-77 OUTSIDE WEATHERPROOF SPEAKER

	13780-900	Complete Assembly
	38423-000	Outdoor Speaker Housing
	36074-000	Speaker, Polyurethane, Weatherproof, 16-ohm, 20-watt Peak, Ceramic Magnet
	41385-000	Hanger Bracket Assembly Complete
	38424-000	Connecting Strap
	39267-000	Bushing
	39297-000	Spacer
	38447-014	Mounting Bracket
	41365-000	Hanger Bracket Assembly
	38427-014	Hanger Bracket
	38425-000	Grille
	38599-000	Nameplate
	31128-000	Solderless Wire Connector

### IS-78 INSIDE METAL FRAME SPEAKER

	13782-900	Panel Assembly
	32180-008	Panel
	32181-032	Panel Back
	36089-000	Speaker, 8-inch, 25-ohm Voice Coil
	46665-000	Model Label

### IS-79 OUTSIDE METAL FRAME SPEAKER

	13784-900	Panel Assy
	32180-008	Panel
	32181-000	Panel Back
	36074-000	Speaker, Polyurethane, Weatherproof, 16-ohm, 20-watt Peak, Ceramic Magnet
	46668-000	Model Label