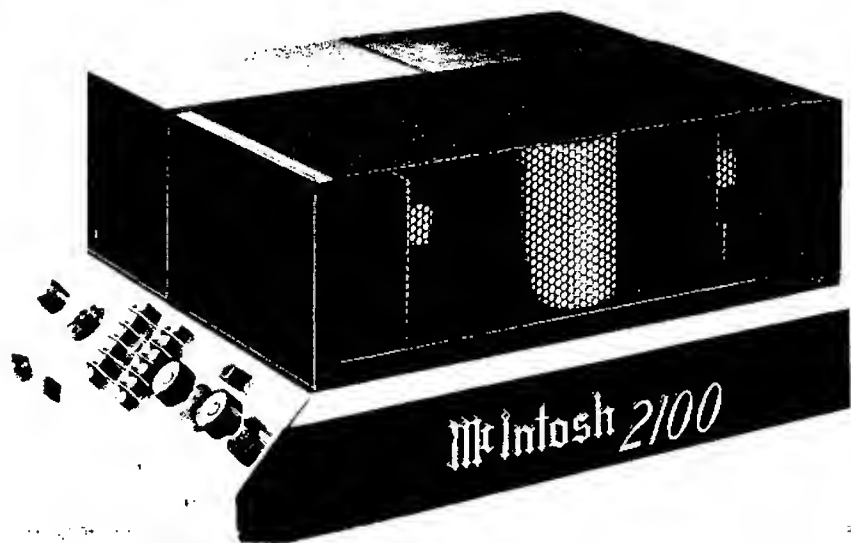


OWNER'S MANUAL



MC 2105 Stereo Amplifier
gives you many years of pleasant
and satisfactory performance. If you
have any questions, please contact:

McIntosh Laboratory Inc.
2 Chambers Street
Binghamton, New York 13903
Phone: 607-723-3512

**WARNING. TO PREVENT FIRE OR SHOCK
HAZARD, DO NOT EXPOSE THIS UNIT TO RAIN
OR MOISTURE.**

**Take Advantage of 3 years
of FREE Service . . .
Fill in the Application NOW.**

SERVICE CONTRACT . . . 1

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LISTENING TO YOUR STEREO SYSTEM . . . 4

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An application for a **FREE THREE YEAR SERVICE CONTRACT** is included with this manual.

The terms of the contract are:

1. McIntosh will provide all parts, materials and labor needed to return the measured performance of the instrument to the original performance limits free of any charge. The **SERVICE CONTRACT** does not cover any shipping costs to and from the authorized service agency or the factory.
2. Any McIntosh authorized service agency will repair all McIntosh instruments at normal service rates. To receive the free service under the terms of the **SERVICE CONTRACT**, the **SERVICE CONTRACT CERTIFICATE** must accompany the instrument when taken to the service agency.
3. Always have service done by a McIntosh authorized service agency. If the instrument is modified or damaged, as a result of unauthorized repair, the **SERVICE CONTRACT** will be cancelled. Damage by improper use or mishandling is not covered by the **SERV-**

ICE CONTRACT.

4. The **SERVICE CONTRACT** is issued to you as the original purchaser. To protect you from misrepresentation this contract cannot be transferred to a second owner.
5. For your protection McIntosh selects only dealers who have technical competence to guide purchasers fairly, and provide service when necessary. To receive the **SERVICE CONTRACT** your purchase must be made from a McIntosh franchised dealer.
6. Your completely filled in application for a **SERVICE CONTRACT** must be postmarked within 30 days of the date of purchase of the instrument.
7. To receive the **SERVICE CONTRACT** all information on the application must be filled in. The **SERVICE CONTRACT** will be issued when the completely filled in application is received at McIntosh Laboratory incorporated in Binghamton, New York.

Adequate ventilation extends the trouble-free life of electronic instruments. It is generally found that each 15° centigrade (18° F) rise in temperature reduces the life of electrical insulation by one half. Adequate ventilation is an inexpensive and effective means of preventing insulation breakdown that results from unnecessarily high operating temperatures. The direct benefit of adequate ventilation is longer, trouble-free life.

The suggested minimum space for mounting the MC2100 is 20 inches deep x 9 1/2 inches high x 12 inches wide. Always allow for air flow by either ventilation holes or space next to the bottom of the amplifier and a means for the warm air to escape at the top.

It is recommended that the MC2100 be mounted in a normal or horizontal position. However with adequate ventilation, the amplifier can be mounted in any position except upside down. If the amplifier is to be installed on a vertical surface it is recommended that the autotransformers be on the down side. This position permits greater air flow around the transistors and component parts thereby extending the trouble-free life of the amplifier.

INPUT-STEREO

The shielded cable from the left output of the McIntosh preamplifier is plugged into the left jack. The shielded cable from the right output of the McIntosh preamplifier is plugged into the right jack. The INPUT switch must be in the STEREO position and the OUTPUT properly connected to the stereo loudspeakers. Distortion and loss of power may result.

INPUT-MONO

The shielded cable from the program source is plugged into the right jack. The INPUT switch must be in the MONO position and the OUTPUT properly connected for mono loudspeaker operation or distortion and loss of power may result.

OUTPUT-STEREO OR TWIN AMPLIFIERS

For stereo or twin channel operation it is not necessary to use the same impedance loudspeaker on each output. Simply connect each channel for the impedance desired.

SPEAKERS

Speakers are connected at the barrier strips marked OUTPUT on the soped panel of the amplifier. Use lamp cord, bell wire, or wire with similar type of insulation to connect the speakers to the amplifier. For the normally short distances of under 50 feet between the amplifier and speaker, #18 wire or larger can be used. For distances over 50 feet between the amplifier and speaker use larger wire.

The loudspeaker impedance is usually identified on the loudspeaker itself. Connect one of the leads from the left loudspeaker to the screw marked COM on the LEFT OUTPUT barrier strip. Connect the other lead from the left loudspeaker to the screw marked with the number corresponding to the speaker impedance on the LEFT OUTPUT barrier strip. Connect one of the leads from the right loudspeaker to the screw marked COM on the RIGHT OUTPUT barrier strip. Connect the other lead from the right loudspeaker to the screw marked with the number corresponding to the speaker impedance on the RIGHT OUTPUT barrier strip.

The only adverse effect on the operation of a McIntosh amplifier when it is improperly matched is a reduction in the amount of distortion-free power available to the loudspeaker. Close impedance matching is desirable for maximum distortion-free power.

SPEAKER CONNECTIONS

Use this table to determine proper speaker connection:

If the speaker impedance is between:	Connect one speaker lead between COM and:
3.2 to 6.5 ohms	4 ohms
8.5 to 13 ohms	8 ohms
13 to 26 ohms	16 ohms

STEREO OUTPUT-CONNECTING TO BARRIER STRIPS

Use this table for stereo connections using the carrier strips:

If the speaker impedance is:	Connect one left speaker to screw marked LEFT-COM and either to:	Connect one right speaker lead to screw marked RIGHT-COM and the other to:
4 ohms	LL1-4	RIGHT-4
8 ohms	LEFT-8	RIGHT-8
16 ohms	LEFT-16	RIGHT-16

For 25 watt line operation connect one of the left leads to the screw marked COM on the LEFT OUTPUT barrier strip. The other left lead is connected to the screw marked 8 on the LEFT OUTPUT barrier strip. Connect the right leads in the same manner on the RIGHT OUTPUT barrier strip.

When connected as above the MC 2100 operates as a 105 watt per channel stereo amplifier.

MONOPHONIC OUTPUT—CONNECTING TO CARRIER STRIPS

If the MC 2100 is to operate as a monophonic amplifier, the two channels are combined to produce a single 210 watt output. This chart lists the proper connections and interconnections for monophonic operation.

Impedance	Connect one speaker lead to the screw marked LEFT-COM and the other to:	Connect a wire between:
4 ohms	LEFT-4	LEFT-4 and RIGHT-4
8 ohms	LEFT-8	LEFT-8 and RIGHT-8
16 ohms	LEFT-16	LEFT-16 and RIGHT-16
or constant voltage		LEFT-8 and RIGHT-8
25 volts	LEFT-8	RIGHT-8

When connected as above the MC 2100 operates as a 210 watt per channel monophonic amplifier.

STEREO OUTPUT—CONNECTING TO THE OCTAL SOCKET

The octal socket marked OUTPUT can be used for all of the output impedances and voltages. Connections are made in the following fashion:

If the impedance is:	Solder the left channel leads between:	Solder the right channel leads between:
4 ohms	Pin 1 and 2	Pin 5 and 6
8 ohms	Pin 1 and 3	Pin 5 and 7
16 ohms	Pin 1 and 4	Pin 5 and 8
or constant voltage		
25 volts	Pin 1 and 3	Pin 6 and 7

When connected as outlined the MC 2100 operates as a 105 watt per channel stereo amplifier.

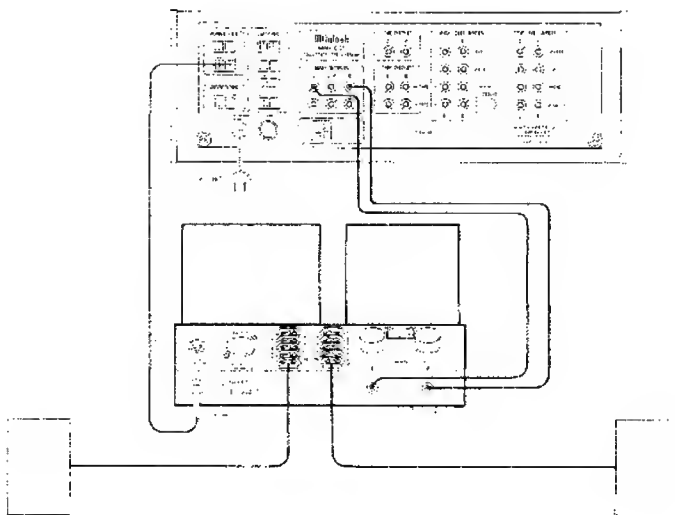
MONOPHONIC OUTPUT—CONNECTING TO THE OCTAL SOCKET

If the impedance is:	CONNECT	Solder the leads to:
2 ohms	2 and 8	1 and 2
4 ohms	3 and 7	1 and 3
8 ohms	4 and 8	1 and 4
25 volts	3 and 7	1 and 3

When connected as outlined the MC 2100 operates as a 210 watt monophonic amplifier.

AC POWER

The MC 2100 operates on 117 to 130 volt, 50/60 Hz. The amplifier will be turned on and off if its power cord is plugged in one of the auxiliary AC outlets on the program source.



INPUT

The input of the MC 2100 has a two position switch which permits the amplifier to be used in any one of three ways:

1. As a monophonic 210 watt amplifier.
2. As twin 105 watt amplifiers used with an electronic crossover network, or as two completely separate amplifiers.
3. As a stereo amplifier used with a McIntosh pre-amplifier or other high output stereo program sources.

In either position of the input switch the input sensitivity is 0.5 volts for full rated output. The input impedance is 200,000 ohms.

The STEREO position of the input switch is controlled by a GAIN control. The GAIN control allows signal sources of 0.5 volt up to 30 volts to be connected without overloading the input to the amplifier.

The MONO position of the input switch parallels the inputs of both amplifiers. When the outputs are properly connected the MC 2100 becomes a 210 watt monophonic amplifier. The R GAIN/MONO GAIN control determines connecting signal sources up to 30 volts without overloading the amplifier's input. To operate the MC 2100 as a 210 watt monophonic amplifier the INPUT switch must be in the MONO position and the OUTPUT must be properly connected for monophonic operation.

OUTPUT

The two barrier terminal strips marked LEFT OUTPUT and RIGHT OUTPUT provide stereo connections for the normal speaker impedances of 4 ohms, 8 ohms, and 16 ohms, or monophonic operation connections for 2 ohms, 4 ohms, and 8 ohms. The terminal strips may also be connected for a constant voltage output of 25 volts in either stereo or mono.

OUTPUT (Octal Socket)

The octal socket marked OUTPUT has stereo connections for 4 ohms, 8 ohms, 16 ohms, and 25 volts. For monophonic operation the octal socket provides connections for 2 ohms, 4 ohms, 8 ohms, and 25 volts.

FUSE

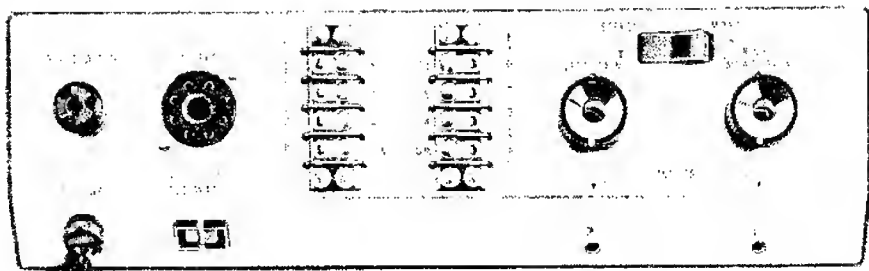
The MC 2100 uses a 5 ampere slow-blow type fuse. The auxiliary AC outlet is not fused.

AC OUTLET

The auxiliary AC outlet can be used to supply power to other equipment in the system. The outlet will provide a maximum of 300 watts of power. The AC outlet is not fused.

LINE VOLTAGE

The MC 2100 operates on any line voltage between 117 volts and 100 volts, 60 to 60 Hz.



SETTING THE GAIN CONTROLS:

To set the GAIN controls for a stereo system use a monophonic signal from the program source. A monophonic signal supplies the same voltage to both channels. Turn the volume control on the source equipment to the 10 o'clock position (half rotation).

Turn up the LEFT GAIN control until the loudness

in the room is about as loud as you like to listen. Then turn the GAIN control on the RIGHT INPUT until it is equally as loud as the LEFT channel. The system is now balanced for duration and provides the greatest range of operation and usefulness when using the volume control on the source equipment.

NOW SIT BACK AND ENJOY YOUR MCINTOSH

Performance Limits are the maximum deviation from operation permitted for a McIntosh instrument. We guarantee you that the MC 2100 you buy must be capable of performance at or exceeding these limits or you get your money back. McIntosh is the only manufacturer that makes this guarantee.

McIntosh audio power ratings are in accordance with the Federal Trade Commission Regulation of November 4, 1974 concerning power output claims for amplifiers used in home entertainment products.

POWER OUTPUT

STEREO

105 watts minimum sine wave continuous average power output, per channel, both channels operating into 4 ohms, 8 ohms, or 16 ohms load impedance, which is:

20.5 volts RMS across 4 ohms

29.0 volts RMS across 8 ohms

41.0 volts RMS across 16 ohms

MONO

210 watts minimum sine wave continuous average power output, operating into 2 ohms, 4 ohms, or 8 ohms load impedance, which is:

20.5 volts RMS across 2 ohms

29.0 volts RMS across 4 ohms

41.0 volts RMS across 8 ohms

OUTPUT LOAD IMPEDANCE

STEREO

4 ohms, 8 ohms, or 16 ohms; separate terminals are provided for each output

MONO

2 ohms, 4 ohms, 8 ohms; separate terminals are provided for each output

RATED POWER BAND

20 Hz to 20,000 Hz

TOTAL HARMONIC DISTORTION

STEREO

0.25% maximum harmonic distortion at any power level from 250 milliwatts to 105 watts per channel from 20 Hz to 20,000 Hz, both channels operating

MONO

0.25% maximum distortion at any power level from 250 milliwatts to 210 watts from 20 Hz to 20,000 Hz

INTERMODULATION DISTORTION

STEREO

0.25% if instantaneous peak power output is 210 watts or less per channel with both channels operating for any combination of frequencies, 20 Hz to 20,000 Hz

MONO

0.25% if instantaneous peak power output is 420 watts or less per channel with both channels operating for any combination of frequencies, 20 Hz to 20,000 Hz

FREQUENCY RESPONSE (at 1 watt output)

20 Hz to 20,000 Hz ± 0 -0.25 dB

10 Hz to 100,000 Hz ± 0 - 3.0 dB

NOISE AND HUM

90 dB below rated output

OUTPUT VOLTAGES

STEREO AND MONO

25 volts for distribution lines

DAMPING FACTOR

20 at 4 ohms output

14 at 8 ohms output

11 at 16 ohms output

INPUT IMPEDANCE

200,000 ohms

INPUT SENSITIVITY

0.5 volt. Level control provided for higher input voltage

POWER REQUIREMENTS

120 volts, 50-60 Hz, 50 watts at zero signal output.

450 watts at rated output

SEMICONDUCTOR COMPLEMENT

32 silicon transistors

14 rectifiers and diodes

SIZE

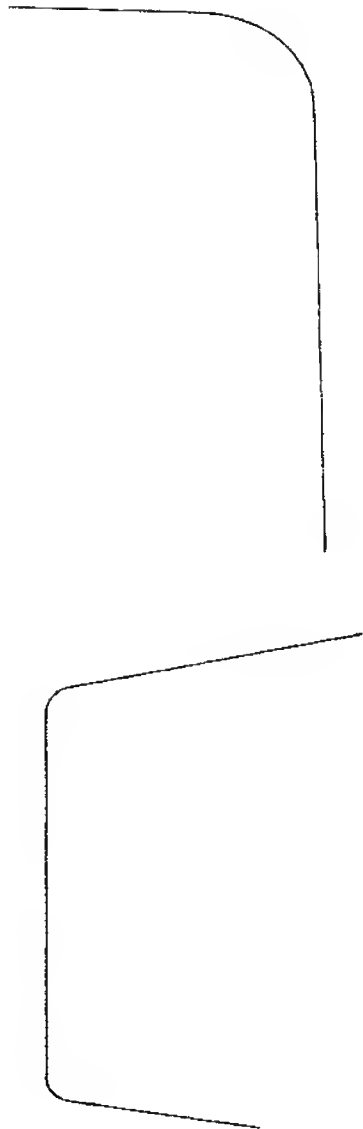
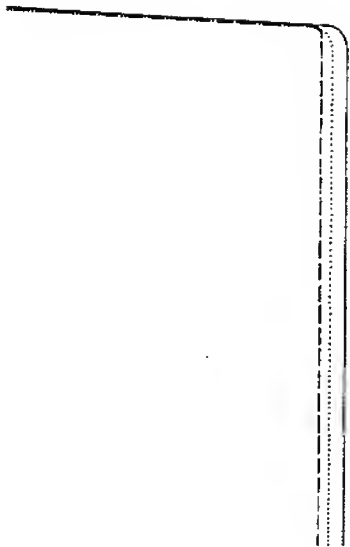
7 $\frac{1}{2}$ inches high (19.05 cm), 11 $\frac{3}{4}$ inches wide (29.65 cm), 17 inches deep (43.18 cm)

CHASSIS

Chrome and black

WEIGHT

57 pounds (25.86 kg) net, 63 pounds (28.58 kg) in shipping carton



stage preamplifier with three transistors in push-pull increases the input voltage 16 dB.

The 16 transistors in each power amplifier section of the two-stage amplifier is fed to a pair of transistors arranged as an emitter-coupled pair with two inputs and one output. The signal is a symmetrical section connects to one of these with AC and DC negative feedback are applied over the output. This large quantity of feedback is without noise and distortion. The signal is then voltage amplifier. The voltage amplifier is fed to two driver transistors.

The output section is arranged as a series push-pull pair. The power transistors used in the output of your MC 2100 are selected for their high capacitance capability, wide frequency response, the "safe operating area." In addition, each transistor is given four separate tests before it is your MC 2100. The additional testing makes your MC 2100 will deliver its rated power from 10 to 20 kHz with low distortion and complete reli-

power transistors are mounted on oversized aluminum heat sinks. The heat sinks assure that under operation the transistors will operate at a low level. If temperatures increase due to a shorted or fan restricted ventilation, an automatic temperature sensing device turns off the MC 2100. The transistors automatically at a preset temperature, MC 2100 will turn on again when the temperature returns to normal limits. This additional feature gives your MC 2100 complete reliability under the most operating conditions.

The output stages are matched to the load by the autoformer. The McIntosh autoformer is constructed using McIntosh trifilar winding and interleaved bifilar windings and interleaving the autoformers, exceptional bandwidth. The transformers properly match the power transistors to 16 ohm loads at all audio frequencies.

One of the McIntosh designed trifilar autoformer is the McIntosh split-stroke amplifiers the only ones that deliver FULL POWER AT ALL SPEAKER LOADS. You have not been power penalized for loads of loudspeakers which using the McIntosh MC 2100.

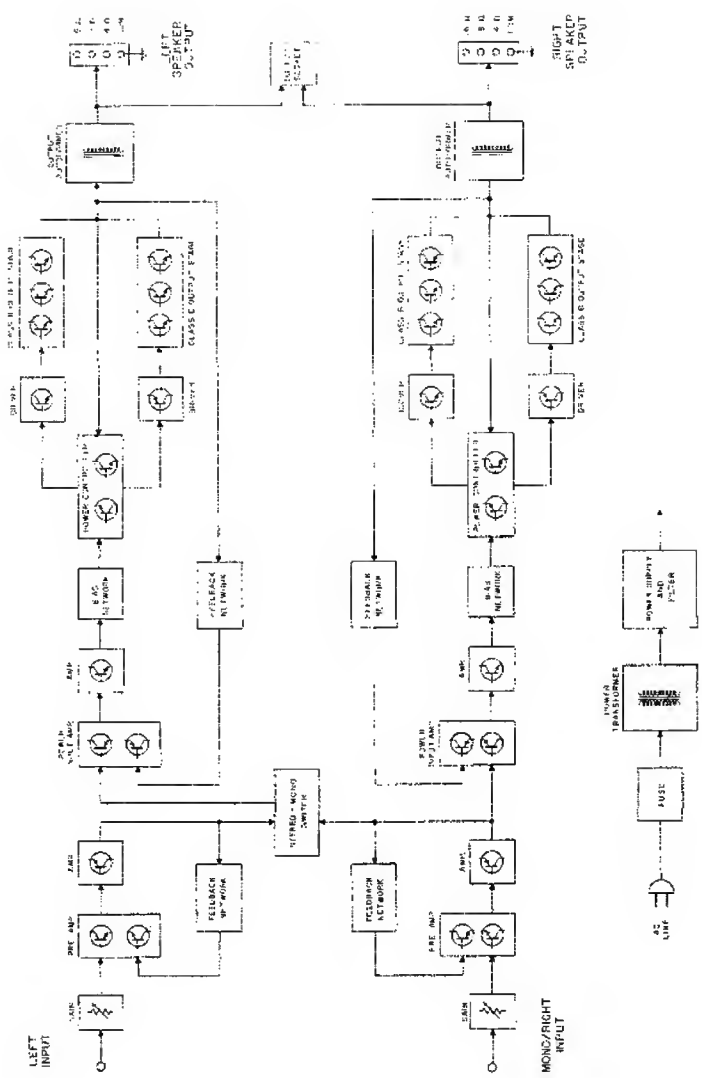
One of the advantages of the autoformers is the constant output for a constant voltage distribution system. The MC 2100 several sets of speakers can be used independently throughout your home.

To further insure reliability a special power output SENTRY MONITORING CIRCUIT prevents failure of the output transistors due to excessive mis-

match of the output. When your MC 2100 operates normally the SENTRY MONITORING CIRCUIT has no effect on signals passing through the power amplifier. If the power dissipation should rise above normal operation, the SENTRY MONITORING CIRCUIT restricts the drive to the output transistors. The SENTRY MONITORING CIRCUIT acts instantaneously for any input signal or load combination. This arrangement assures complete circuit reliability. Only McIntosh gives you this degree of protection.

There are three separate power supply sections. One positive and one negative high current supply is used for the output stages. The other positive supply is used for the driving amplifier stages. All supplies are full wave and use silicon rectifiers. Adequate filtering is used to assure an absolute minimum of hum. The power output stage filter capacitors have very high capacity, which allows full power output below 20 Hz. The power transformer is generous in size and runs cool, even under heavy use.





McIntosh

McINTOSH LABORATORY INC.

2 CHAMBERS ST., BINGHAMTON, N. Y. 13903

607-723-3512

Design subject to change without notice

Printed in U.S.A.

158-845

McIntosh

MC 2100

POWER AMPLIFIER



SERVICE INFORMATION

STARTING WITH SERIAL NO. 10W01

McINTOSH LABORATORY INC. 2 CHAMBERS STREET BINGHAMTON, NEW YORK

MC 2100

PERFORMANCE

McIntosh audio power ratings are in accordance with the Federal Trade Commission Regulation of November 4, 1974 concerning power output claims for amplifiers used in home entertainment products.

**POWER OUTPUT
STEREO**

105 watts minimum sine wave continuous average power output, per channel, both channels operating into 4 ohms, 8 ohms, or 16 ohms load impedance, which is:

- 20.5 volts RMS across 4 ohms
- 29.0 volts RMS across 8 ohms
- 41.0 volts RMS across 16 ohms

MONO

210 watts minimum sine wave continuous average power output, operating into 2 ohms, 4 ohms, or 8 ohms load impedance, which is:

- 20.5 volts RMS across 2 ohms
- 29.0 volts RMS across 4 ohms
- 41.0 volts RMS across 8 ohms

**OUTPUT LOAD IMPEDANCE
STEREO**

4 ohms, 8 ohms, or 16 ohms; separate terminals are provided for each output

MONO

2 ohms, 4 ohms, 8 ohms; separate terminals are provided for each output

**RATED POWER BAND
20 Hz to 20,000 Hz****TOTAL HARMONIC DISTORTION
STEREO**

0.25% maximum harmonic distortion at any power level from 250 milliwatts to 105 watts per channel from 20 Hz to 20,000 Hz, both channels operating

MONO

0.25% maximum distortion at any power level from 250 milliwatts to 210 watts from 20 Hz to 20,000 Hz

FREQUENCY RESPONSE (at 1 watt output)

20 Hz to 20,000 Hz +0 -0.25 dB
10 Hz to 100,000 Hz +0 -3.0 dB

INTERMODULATION DISTORTION**STEREO**

0.25% if instantaneous peak power output is 210 watts or less per channel with both channels operating for any combination of frequencies, 20 Hz to 20,000 Hz

MONO

0.25% if instantaneous peak power output is 420 watts or less per channel with both channels operating for any combination of frequencies, 20 Hz to 20,000 Hz

NOISE AND HUM

90 dB below rated output

RATINGS**OUTPUT VOLTAGES**

STEREO AND MONO
25 volts for distribution lines

DAMPING FACTOR

20 at 4 ohms output
14 at 8 ohms output
11 at 16 ohms output

INPUT IMPEDANCE

200,000 ohms

INPUT SENSITIVITY

0.5 volt. Level control provided for higher input voltage

GENERAL INFORMATION**POWER REQUIREMENTS**

120 volts, 50/60 Hz, 75 watts at zero signal output, 430 watts at rated output

SEMICONDUCTOR COMPLEMENT

32 silicon transistors
14 rectifiers & diodes

MECHANICAL INFORMATION**SIZE**

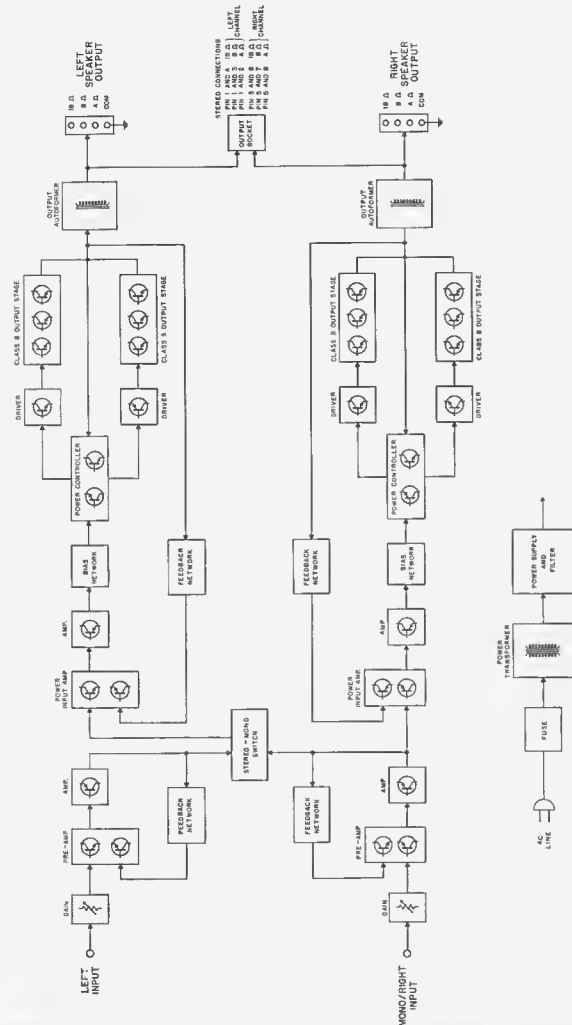
7 $\frac{3}{4}$ inches high (19.69 cm), 11 $\frac{1}{4}$ inches wide (29.85 cm), 17 inches deep (43.18 cm)

CHASSIS

Chrome and black

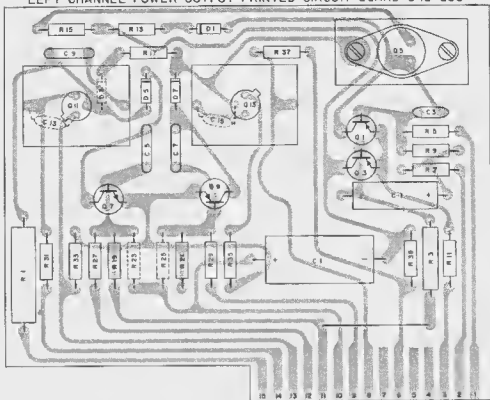
WEIGHT

57 pounds (25.86 kg) net, 63 pounds (25.58 kg) in shipping carton

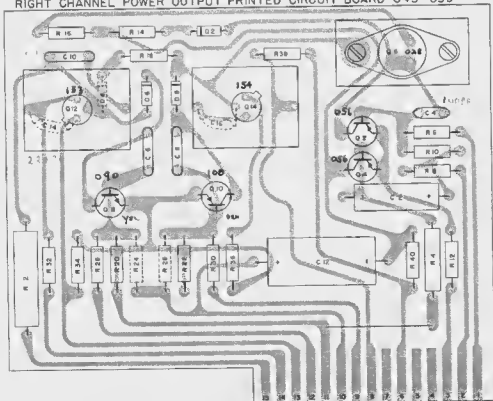


MC 2100 BLOCK DIAGRAM

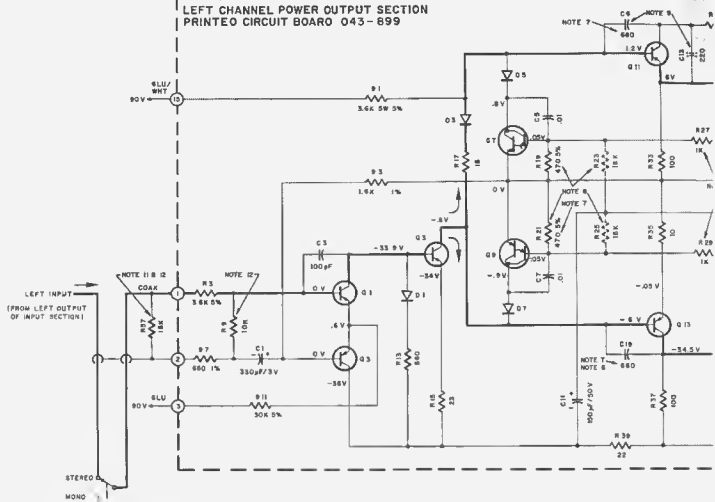
LEFT CHANNEL POWER OUTPUT PRINTED CIRCUIT BOARD 043-899



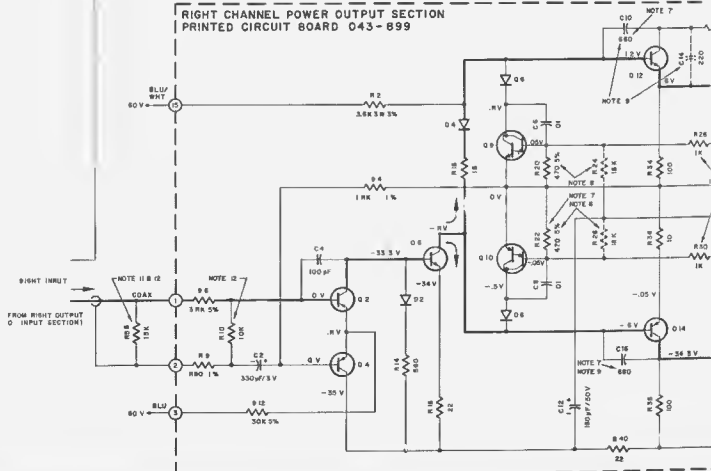
RIGHT CHANNEL POWER OUTPUT PRINTED CIRCUIT BOARD 043-899

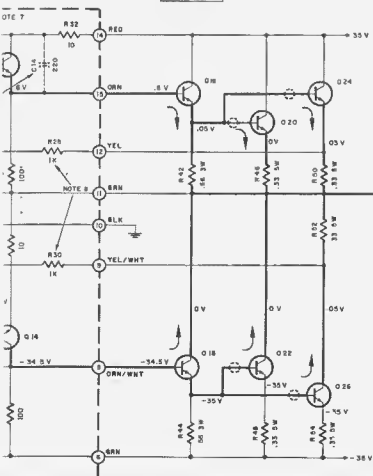
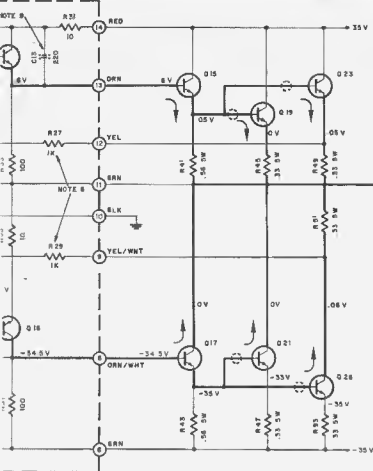


LEFT CHANNEL POWER OUTPUT SECTION
PRINTED CIRCUIT BOARD 043-899

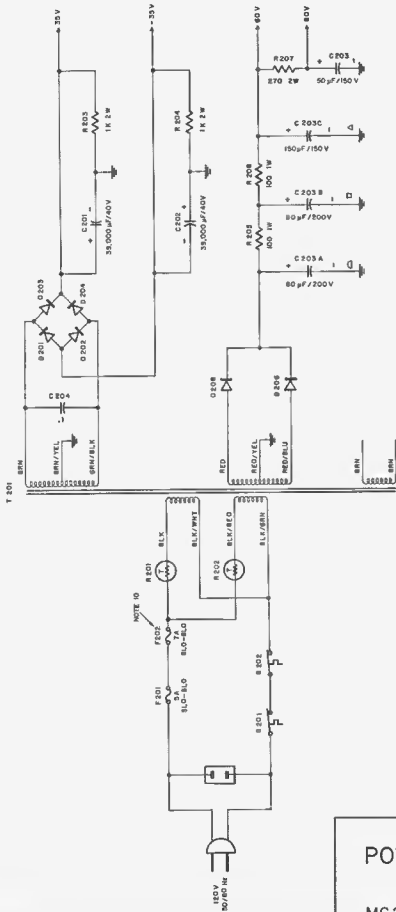


RIGHT CHANNEL POWER OUTPUT SECTION
PRINTED CIRCUIT BOARD 043-899

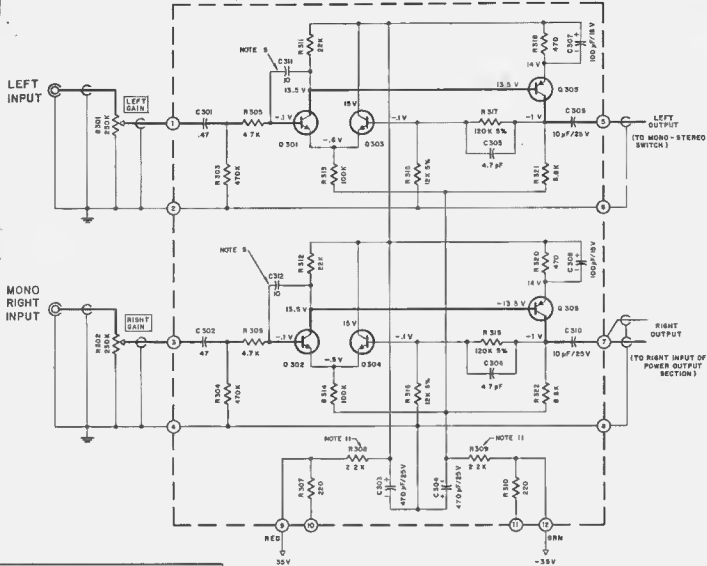




POWER OUTPUT
SECTION



INPUT SECTION PRINTED CIRCUIT BOARD 043-795

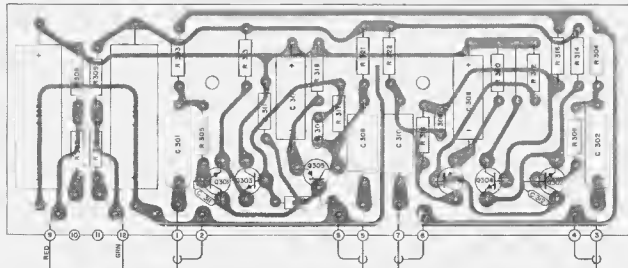


INPUT SECTION

MC 2100

154-660

INPUT SECTION PRINTED CIRCUIT BOARD 043-795

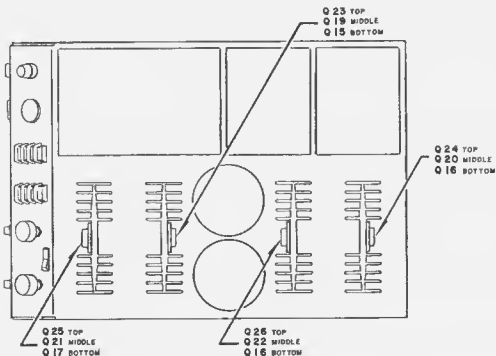


SCHEMATIC NOTES

- Unless otherwise specified: Resistance values are in ohms, 1/2 watt, and 10% tolerance; capacitance values smaller than 1 are in microfarads (μF); capacitance values greater than 1 are in picofarads (pF); inductors are in microhenries (μH).
- Printed circuit board components are outlined on the schematics by dotted lines. The circled numbers on the dotted lines correspond to the numbers on the PC board layouts.
- The heavy lines on the schematics denote the primary signal path.
- The terminal numbering of rotary switches is for reference only.
- All voltages indicated on the schematics are measured under the following conditions:
 - Use of an 11 megohm impedance VTVM.
 - All voltages $\pm 10\%$ with respect to chassis ground.
 - No signal at input terminals.
 - AC input at 117 volts AC, 50/60Hz.
 - Front panel controls at:

Left Gain	FULL CCW
Right Gain	FULL CCW
Mode	STEREO
- In units with Serial No.'s below 10W84, C311 & C312 are not used.
- In units with Serial No.'s below 13W25: R21 & R22 are 120 Ω and C9, C10, C15, & C16 are 680pF.
- In units with Serial No.'s below 59W75: R27, R28, R29 & R30 are 100 Ω ; R19 & R20 are 120 Ω ; R21 & R22 are 150 Ω and R23, R24, R25 & R26 are used.
- In units with Serial No.'s below 99W26: C13 & C14 are used; R17 and R18 are 22 Ω and C9, C10, C15 & C16 are .001 μF .
- In units with Serial No.'s below 99W26 F202 is not used.
- In units with Serial No.'s below 86W06: R55 & R56 are 10K and R308 & R309 are 3.3K.
- In units with Serial No.'s below 86W00: R9 & R10 are 3.3K and R33 & R56 are not used.

LOCATION OF TRANSISTORS NOT ON PRINTED CIRCUIT BOARDS



REPLACEMENT PARTS

All parts not listed are common items obtainable from radio parts jobbers.

Replacement parts may be obtained when ordered by PART NUMBER from:

McIntosh Laboratory, Inc.
Customer Service Department
2 Chambers Street
Binghamton, New York 13903
(telephone 607-723-3512)

CAPACITORS

Symbol Number	Description	Part Number
C1,2	Elect. 330 μ F 3V	066-105
C11,12	Elect. 150 μ F 63V	066-205
C201,202	Elect. 39000 μ F 40V	066-119
C203	Elect. 80/80/150/50 μ F 200/200/150/150V	066-095
C301,302	Mylar .47 μ F 250V	064-045
C303,304	Elect. 470 μ F 25V	066-228
C307,308	Elect. 100 μ F 12V	066-227
C309,310	Elect. 10 μ F 25V	066-222

DIODES

D1,2	Si. signal diode	070-047
D3,4	Bias diode	070-046
D5,6	Si. signal diode	070-047
D7,8	Si. signal diode	070-047
D201,202	Si. rectifier	070-038
D203,204	Si. rectifier	070-039
D205,206	Si rectifier	070-031

FUSES

F201	Fuse 5 amp, slo-blo	089-007
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TRANSISTORS

Q1,2	Si. PNP transistor	132-056
Q3,4	Si. PNP transistor	132-056
Q5,6	Si. NPN transistor	132-028
Q7,8	Si. NPN transistor	132-090
Q9,10	Si. PNP transistor	132-100
Q11,12	Si. NPN transistor	132-153
Q13,14	Si. PNP transistor	132-154
Q15,16	Si. NPN transistor	132-070
Q17,18	Si. NPN transistor	132-070
Q19,20	Si. NPN transistor	132-070
Q21,22	Si. NPN transistor	132-070
Q23,24	Si. NPN transistor	132-070
Q25,26	Si. NPN transistor	132-070

Q301,302	Si. NPN transistor	132-092
Q303,304	Si. NPN transistor	132-092
Q305,306	Si. PNP transistor	132-056

POTENTIOMETERS

R301	Left gain	134-206
R302	Right gain	134-206

RESISTORS

R1,2	Wirewound 3.6k 5W	139-096
R41,42	Wirewound .56 Ω 5W	139-081
R43,44	Wirewound .56 Ω 5W	139-081
R45,46	Wirewound .33 Ω 5W	139-080
R47,48	Wirewound .33 Ω 5W	139-080
R49,50	Wirewound .33 Ω 5W	139-080
R51,52	Wirewound .33 Ω 5W	139-080
R53,54	Wirewound .33 Ω 5W	139-080
R201,202	Thermistor	144-012

SWITCHES

S1	Mode selector	153-008
S201,202	Thermal cut-out	153-007

TRANSFORMERS

T1,2	Audio autoformer	043-694
T201	Power transformer	043-693

MISCELLANEOUS ITEMS

Plastic feet	017-144
Owners manual	038-848
Gain control knob	090-017
Shipping carton	033-099
AC power cord	170-021
Fuseholder	178-001