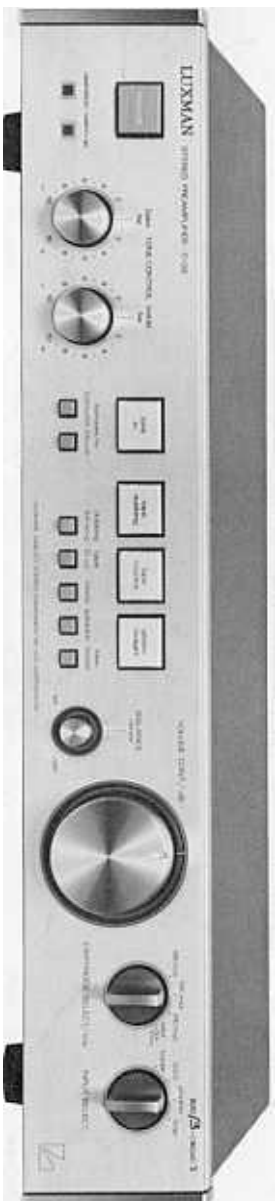


LUXMAN


C-02 OWNERS MANUAL



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WARNING: To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.



CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating instructions in the literature accompanying the appliance.

SAFETY INSTRUCTIONS

1. Read Instructions

All the safety and operating instructions should be read before the appliance is operated.

2. Retain Instructions

The safety and operating instructions should be retained for future reference.

3. Heed Warning

All warnings on the appliance and in the operating instructions should be adhered to.

4. Follow Instructions

All operating and use instructions should be followed

5. Water and Moisture

The appliance should not be used near water – for example, near a bathtub, washbowl, kitchen sink, laundry tub in a wet basement, or near a swimming pool, etc.

6. Carts and Stands

The appliance should be used only with a cart or stand that is recommended by the manufacturer.

7. Wall or Ceiling Mounting

The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.

8. Ventilation

The appliance should be placed where it is well ventilated. The appliance should not be placed on a bed, sofa, rugs or similar surface or in an enclosure such as a bookcase or cabinet where there is a little or no ventilation.

9. Heat

The appliance should be placed away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.

10. Power Sources

The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.

11. Grounding or Polarization

Precautions should be taken so that the grounding or polarization means of an appliance is not defeated.

12. Power Cord Protection

Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them. Pay particular attention to the plug, receptacle, and the point where the cord meets the appliance.

13. Cleaning

The appliance should be cleaned only as recommended by the manufacturer.

14. Power Lines

An outdoor antenna should be located away from power lines.

15. Outdoor Antenna Grounding

If an outdoor antenna is connected to the receiver, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges.

In the U.S.A. section 810 of the National Electrical Code, ANSI/NEPA No. 70-1984, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection of grounding electrodes, and requirements for the grounding electrode.

- Use No. 10 AWG (5.3mm²) copper wire, No. 8 AWG (8.4mm²) aluminum wire, No. 17 AWG (1.0mm²) copper clad steel wire, bronze wire or larger wire as ground wire.
- Secure antenna lead-in and ground wires to house with stand-off insulators spaced from 4 feet (1.22 meters) to 6 feet (1.83 meters) apart.
- Mount antenna discharge unit as closely as possible to where lead-in enters house.
- Use jumper wire not smaller than No. 6 AWG (13.8mm²) copper or equivalent when separate antenna-grounding electrode is used.

16. Non-use Periods

The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.

17. Object and Liquid Entry

Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.

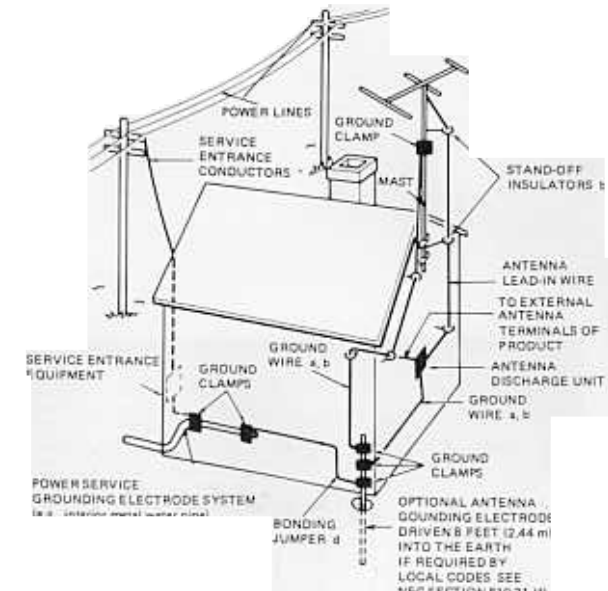
18. Damage Requiring Service

The appliance should be serviced by quantified service personnel when:

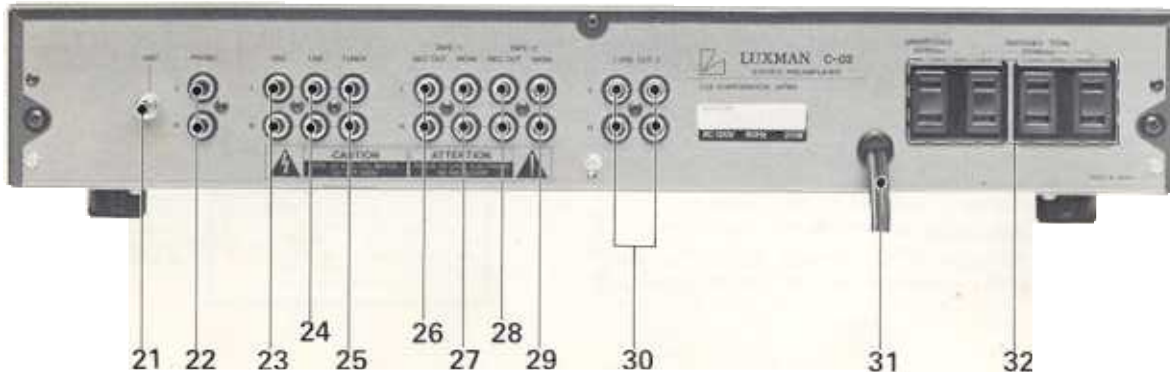
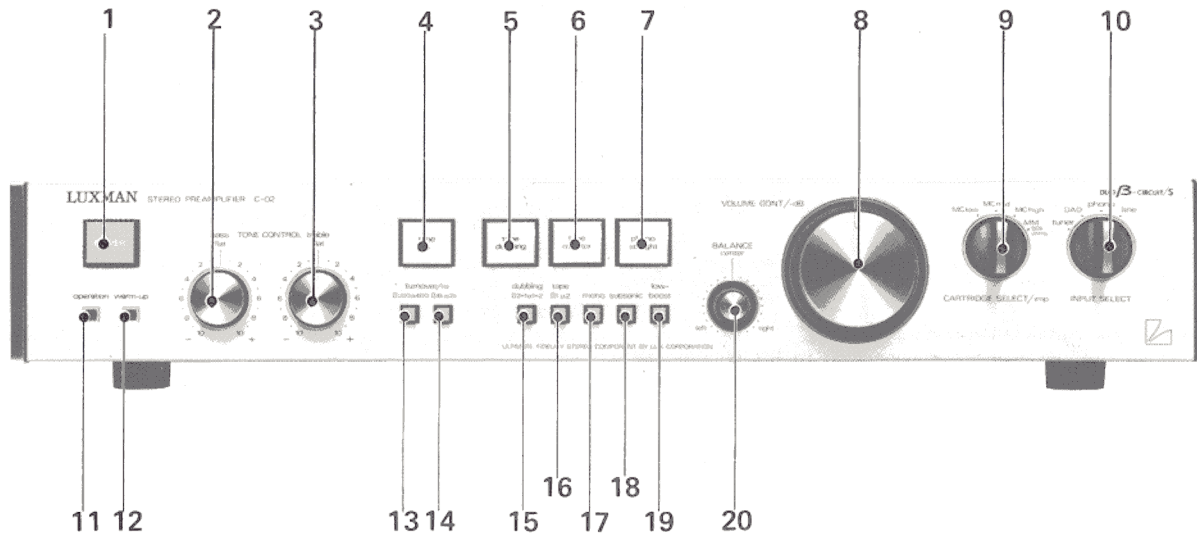
- The power-supply cord or the plug has been damaged; or
- Objects have fallen, or liquid has been spilled into the appliance; or
- The appliance has been exposed to rain; or
- The appliance does not appear to operate normally or exhibits a marked change in performance; or
- The appliance has been dropped, or the enclosure damaged.

19. Servicing

The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.



SWITCHES & CONTROLS



1. AC Power Switch

The push-type switch will turn the power on and off. The operation indicator (11) and warm-up indicator (12) will illuminate. The time delay muting circuit will be on for approximately 7 seconds. The warm-up indicator will go out when the amplifier is fully warmed up.

2. Bass Control

From the center position, clockwise rotation of the bass control will boost and counter-clockwise rotation will attenuate the low frequency range. Frequency response is flat when the bass and treble controls are in the center position.

3. Treble Control

From the center position, clockwise rotation of the treble control will boost and counter-clockwise rotation will attenuate the high frequency range. Frequency response is flat, when the bass and treble controls are in the center position.

4. Tone Switch

When the switch is depressed, the tone control circuit is activated and allows control of bass and treble tones. When the switch is in the out position, the tone control circuit is bypassed. Frequency response remains flat when the switch is out.

5. Tape Dubbing Switch

When the switch is depressed, it allows you to duplicate tape recordings. Meanwhile, the recording process can be listened to by depressing the tape monitor switch.

Note: While tape duplicating is going on, you can listen to another program source by setting the input select switch to the program source of your choice and also setting the monitor switch in the out position.

6. Tape Monitor Switch

When the switch is in, output signal from tape 1 or 2 (selected by the tape select switch) is channeled to the amplifier. When the switch is out, output signal from a signal source (selected by the input select switch) goes to the amplifier.

7. Phono Straight Switch

When the switch is pressed the phono signal bypasses tape monitor, filter, balance, and mono switch section and goes directly into the power amp section.

8. Volume Control

Clockwise rotation will increase and counter-clockwise rotation will decrease the volume.

9. Impedance Selector

Permits selection of phono cartridge, MC or MM, and adjusts to the impedance of MC cartridge being used. When it is switched in for MC type cartridge, it can be set to low, mid, or high (50/100/300 ohm) position. For MM type cartridge, one position (50k ohm) is provided.

10. Input Selector

Permits selection of program sources: tuner, DAD, phono, line (AUX).

11. Operation Indicator

When the power switch is turned on will be illuminated.

12. Warm-Up Indicator

When the power switch is turned on it will illuminate. It stays on for approximately 7 seconds and goes out when the amplifier is warmed up.

13. Bass Turnover Select Switch

Allows selection between 400Hz (switch in the in position) and 200Hz (switch in the out position) frequency turnover points. The bass control will have effect on the selected frequency turnover point.

14. Treble Turnover Select Switch

Allows selection between 2kHz (switch in the in position) and 4kHz (switch in the out position) frequency turnover points. The treble control will have effect on the selected frequency turnover point.

15. Dubbing 2 → 1 1 → 2 Switch

This switch allows you to duplicate tape recordings from tape deck 2 (in play) to tape deck 1 (in record mode) when the switch is in the out position, or from tape deck 1 (in play) to tape deck 2 (in record mode) when the switch is in the in position. The recording process can be listened to by depressing the tape monitor switch.

16. Tape Select Switch

Switches between outputs of two tape decks that may be connected to the C-02. Using this switch, select tape deck 1 (switch in the out position) or 2 (switch in the in position), and press the tape monitor switch to listen to the playback.

17. Mono Switch

When the switch is pressed, the input signals will playback in monaural. Press the switch again to switch into stereo.

18. Subsonic Filter Switch

When the switch is pressed, the signals below 15 Hz will be attenuated -6 dB per octave and ultra low frequency noise such as phono motor rumble or distortion from warped discs will be removed.

19. Low Boost Switch

Working in conjunction with the volume control, it boosts low frequency sounds (below 100 Hz) at a low listening level.

20. Balance Control

Controls the volume between left and right channels. When the control is in the center detent, the volume is distributed to left and right channels equally. When turned clockwise, it increases the volume to the right channel reducing the volume to the left. When turned counter clockwise, the effect is reversed.

21. Ground (GND) Terminal

Accepts ground leads from audio components such as a turntable.

22. Phono Terminal

Accept output from turntable. Use impedance selector on the front panel to adjust to the type of cartridge.

23. DAD Terminals

Accept output from DAD player.

24. AUX (Line) Terminals

Accept output from tuner, tape deck, or TV (audio)

25. Tuner Terminals

Accept output from tuner.

26. REC OUT-1 Terminals

For connection with the input of your tape deck 1. Input signals for recording run through these terminals to tape deck 1.

27. Monitor-1 Terminals

Connect the left and right line outputs from your tape deck 1.

28. REC OUT-2 Terminals

For connection with the input of your tape deck 2. Input signals for recording run through these terminals to tape deck 2.

29. Monitor-2 Terminals

Connect the left and right line outputs from your tape deck 2.

30. Pre Out 1 & 2 Terminals

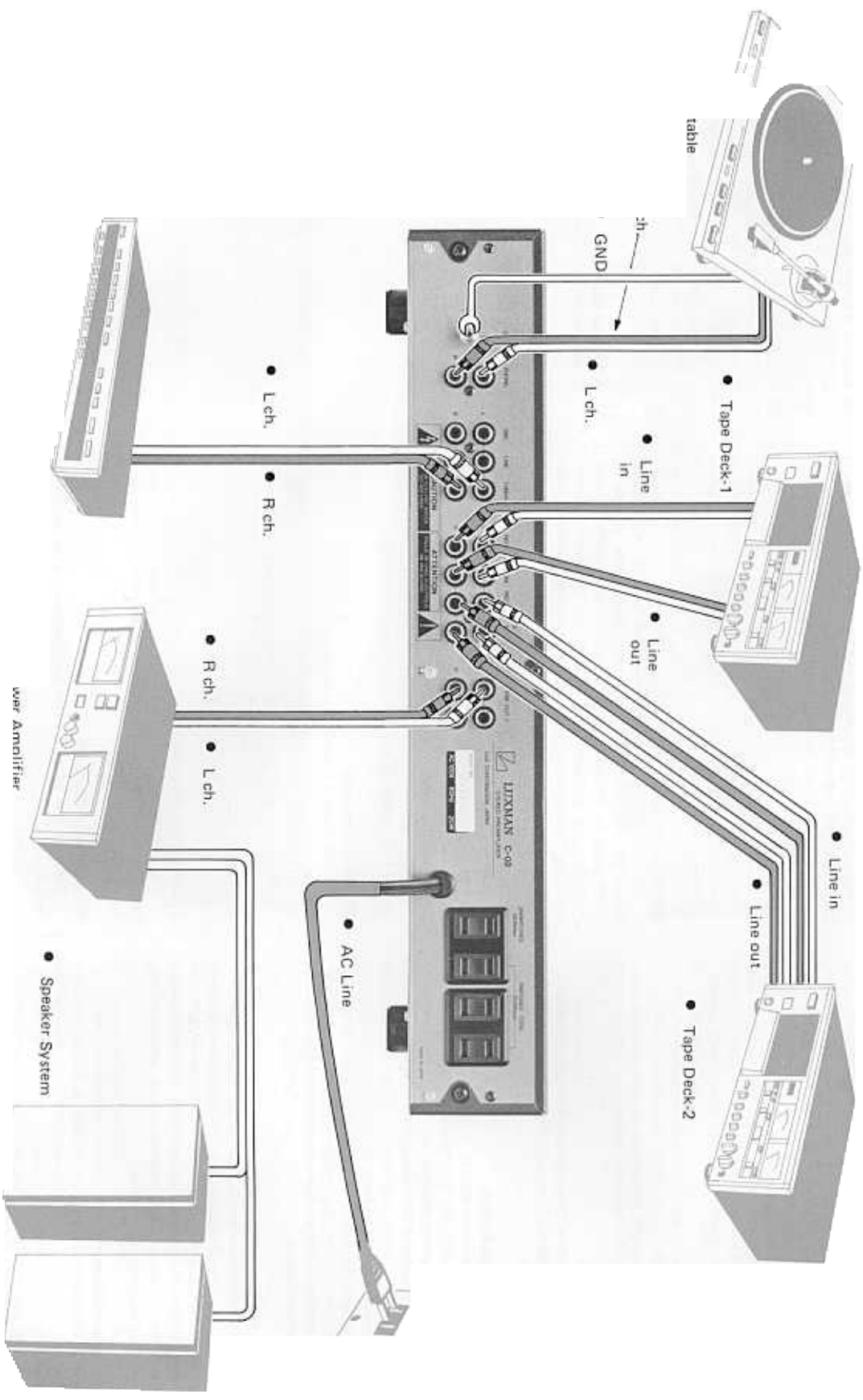
Output signal from the pre-amplifier section is at the pre out terminals which are for connection with the line in terminals of a noise-reduction system, graphic equalizer, electronic crossover network or power amplifier.

31. AC Power Cord

Connect the plug with an AC power supply source.

32. AC Power Outlets

Three switched and one unswitched outlets are provided



CONNECTION PROCEDURES

Turntable

1. A turntable has a pair of cords with a pin plug at each end. Connect these plugs to the phono terminals on the C-02.
2. Connect the ground lead from the turntable to the ground (GND) terminal of the C-02.

Tuner

1. Connect the output terminals of a tuner to the tuner terminals of the C-02.
2. Or the output terminals of the tuner may be connected to the DAD or AUX (Line) terminals of the C-02.

Tape Deck

1. Connect the line out terminals (left and right) of your tape deck to the tape 1 monitor terminals (left and right) of the C-02.
2. Connect the input terminals (left and right) of the tape deck to the tape 1 rec out terminals (left and right) of the C-02.
3. If you have two tape decks, connect the second deck following the steps 1 and 2 but to the tape 2 monitor and rec out terminals.

Graphic Equalizer, Noise Reduction System, Crossover, Power Amplifier, Etc.

1. Connect the line in terminals of the peripheral to the pre out terminals of the C-02.

Note: Refer to the wiring connection instruction for your particular peripheral as there may be a recommended special wiring connection.

AC Outlets

One unswitched (100W maximum) and three switched (200W maximum) outlets are provided. The AC power is always on at the unswitched outlet, but the AC power at the switched outlet is switched on and off by the main power switch of C-02.

Connect your audio component that has memory capabilities to the unswitched outlet. This will allow a flow of AC current to the memory circuit and retains data in memory, even if the power to the component is switched off.

AC Power Cord

When the wiring connections are properly made, plug the power cord to an AC power supply.

SPECIFICATIONS

Input Sensitivity/Impedance:

Phono MM	2mV/50k ohm
Phono MC	100 μ V/47, 100, 300 ohm
High Level	130mV/40k ohm

Phono Overload 1kHz RMS:

Phono MM	270mV
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Output Level/Impedance:

Rec. Out	130mV/220 ohm
Pre. Out	1V/100 ohm

Maximum Output Level:

Pre. Out	18V/100 ohm
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Frequency Response:

Phono MM	20 Hz ~ 20 kHz \pm 0.3 dB
Phono MC	20 Hz ~ 20 kHz \pm 0.3 dB
High Level	10 Hz ~ 100 kHz $-$ 0.5 dB

Total Harmonic Distortion:

Phono MM	Less than 0.005% (Rec. Out)
Phono MC	Less than 0.007% (Rec. Out)
High Level	Less than 0.005% (Rec. Out)

Signal-to-Noise Ratio (IHF A-weighted):

Phono MM	Better than 90 dB (5mV)
Phono MC	Better than 77 dB (250 μ V)
High Level	Better than 108 dB (500mV)

Filter Characteristics:

Subsonic	15 Hz (6 dB/Oct.)
Low Boost	100 Hz (+3dB)

Tone Control:

BASS	\pm 8 dB at 100 Hz (Turnover 400 Hz)
TREBLE	\pm 8 dB at 10 kHz (Turnover 2 kHz)

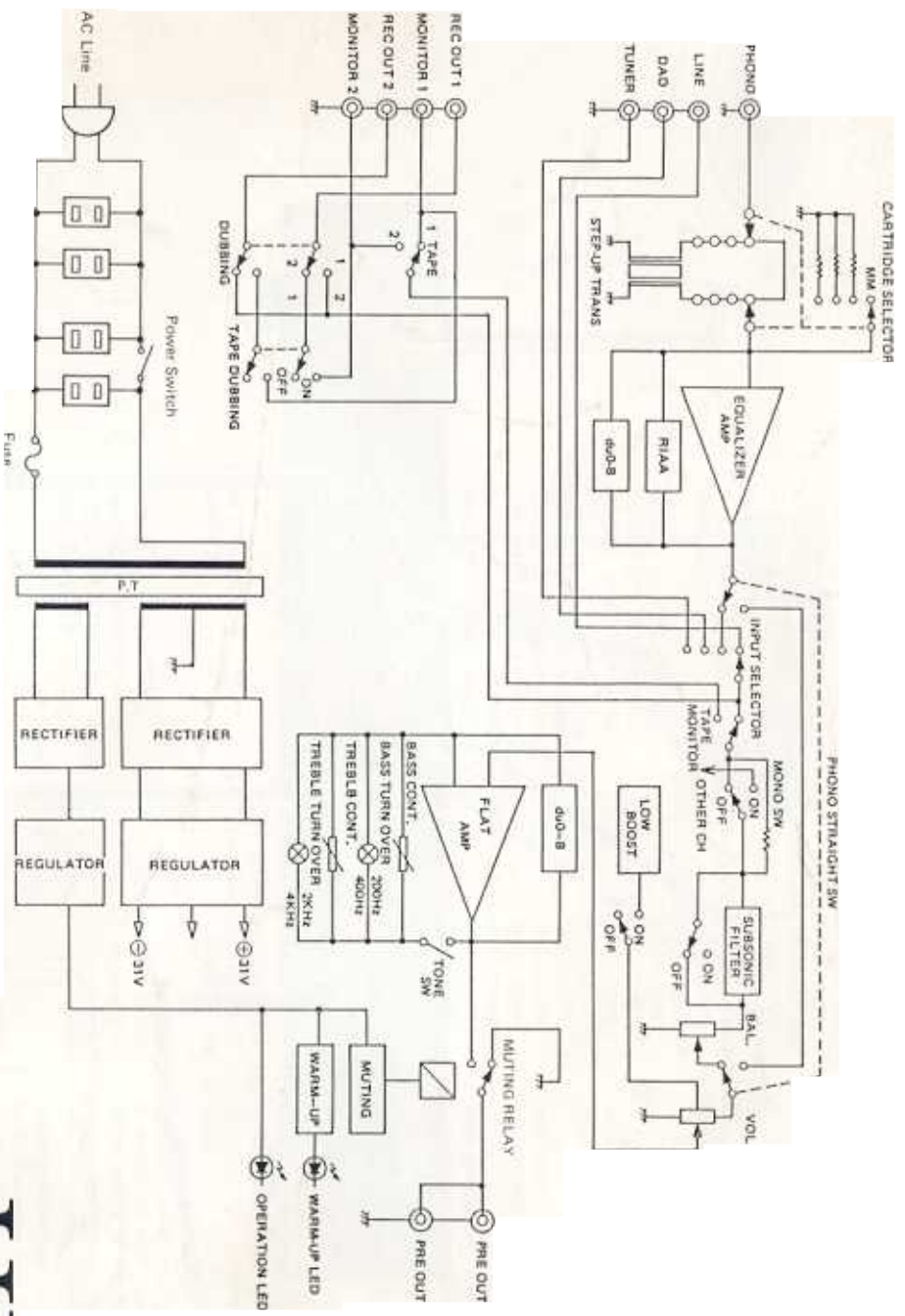
Turnover Frequency:

BASS	200/400 Hz
TREBLE	2k/4 kHz

General

Power Consumption	20W
Dimensions	453(W) x 81(H) x 315(D) mm (17-13/16" x 3-3/16" x 12-15/32")
Weight	5.5 kg (12.1 lbs)

Design and specifications are subject to change without notice.



LUXMAN

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