SONY

3-750-365-21 (1)

Stereo Power Amplifier

XM-7

Operating Instructions

Before operating the unit, please read this manual thoroughly and retain it for future reference.

Owner's Record

The model and serial numbers are located at the bottom. Record the serial number in the space provided below. Refer to them whenever you call upon your Sony dealer regarding this product.

Model No. XM-7 Serial No. _____

Features

4-channel stereo power amplifier for playback with a powerful 4-speaker system (30 W × 4 maximum power output).

- A full 17 Watts of power per channel (30 - 20,000 Hz, 1%, 4 ohms, Ad Hoc Committee Standard).
- Low distortion of less than 0.08%.
- The remote power system automatically switches the amplifier on when a connected cassette player or tuner is turned on.

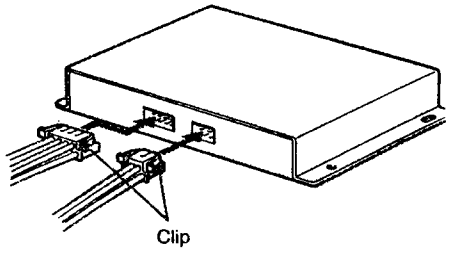
Sony Corporation Printed in Japan ©1989

Installation

The unit can be mounted in the trunk room or under the dashboard using the supplied bolts.

Note

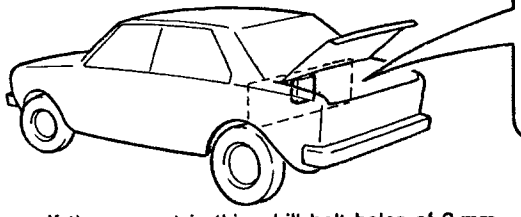
Choose the mounting location carefully so that the unit will not interfere with the normal driving functions of the driver and that the unit will not be exposed to direct sunlight or hot air from the heater. Do not install the unit under the floor carpet, where the heat dissipation from the unit will be considerably impaired.

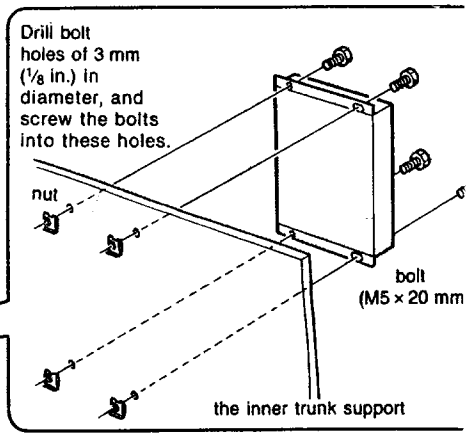


To remove the cord connector, push in the cl on the connector and pull it out.

Trunk installation

1 Mark the locations of the holes on a level surface on an inner trunk support and drill the bolt holes 3 mm (⅛ in.) in dia.
2 Secure the unit to the support.





If the support is thin, drill bolt holes of 3 mm (⅛ in.) in diameter, then screw the bolts into these holes and secure them with nuts. If the support has sufficient thickness, nuts are not required.

Installation under the dashboard

The installation procedure is the same as tha the trunk installation.

Note

Be careful not to damage wiring or equipn on the other side of the dashboard.

If you encounter any difficulty with the inst tion, consult your nearest Sony dealer.

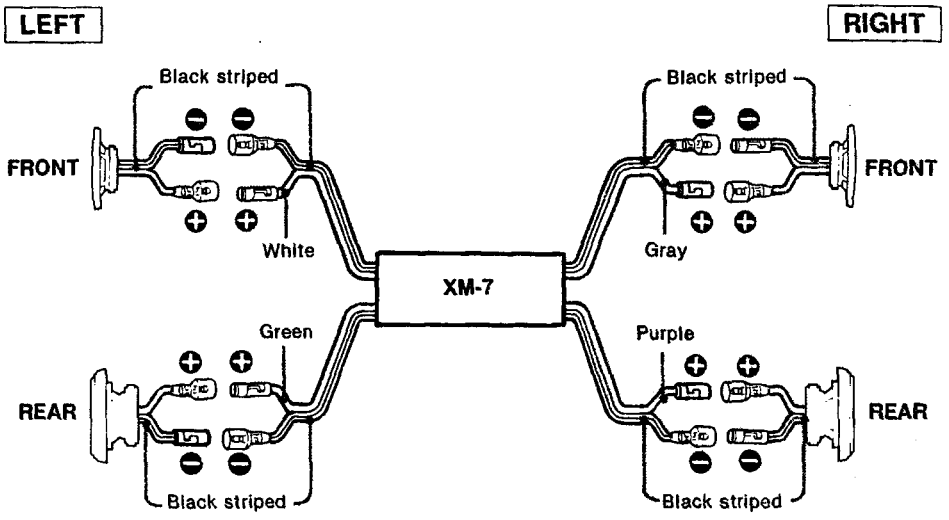
Caution

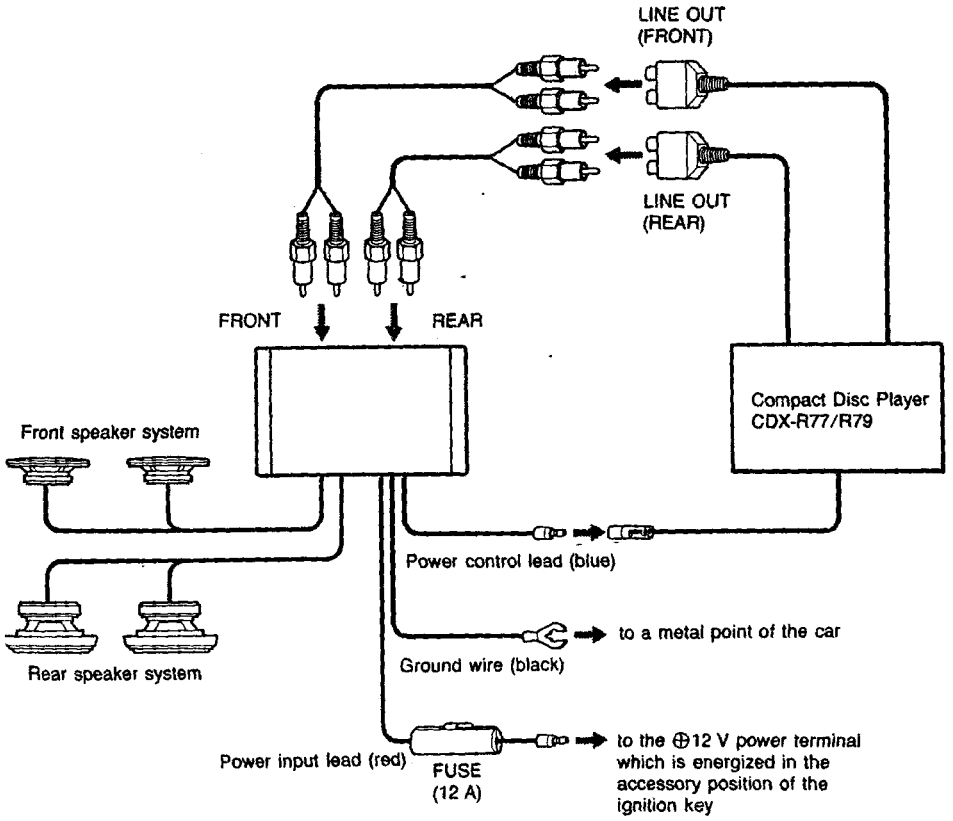
- Before making connections, disconnect the ground terminal of the car battery to avoid short circuits.
- Connect the red power input lead only after all other leads have been connected.
- Run all ground wires to a common ground point.

Notes on speaker connection

- Use speaker with an impedance of 3.2 to 8 ohms, and with adequate power handling capacities. Otherwise the speakers may be damaged.
- Do not connect the terminals of the speaker system to the car chassis, and do not connect the right speaker with that of the left speaker.
- Do not attempt to connect the speakers in parallel.

4-speaker connection




LINE OUT
(FRONT)
LINE OUT
(REAR)
FRONT
REAR
Compact Disc Player
CDX-R77/R79
Front speaker system
Rear speaker system
Power control lead (blue)
to a metal point of the car
Ground wire (black)
Power input lead (red)
FUSE
(12 A)
to the ⊕12 V power terminal
which is energized in the
accessory position of the
ignition key

AUDIO POWER SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION:
17 watts per channel minimum continuous average power into 4 ohms, 4 channels driven from 30 – 20,000 Hz with no more than 1% total harmonic distortion per Car Stereo Ad Hoc Committee standards.

OTHER SPECIFICATIONS

Circuit system	BTL system
Inputs	LINE inputs Remote control inputs
Outputs	Speaker outputs
Speaker impedance	3.2 – 8 ohms
Maximum power output	30 watts per channel minimum RMS at 4 ohms* (4 channels driven)
Power requirements	12 V DC car battery (negative ground)
Current drain	12 A (at maximum output)
Mounting dimensions	Approx. 178 × 30 × 135 mm (w/h/d) (7 1/8 × 1 3/16 × 5 3/8 inches)
Weight	Approx. 0.8 kg (1 lb 12 oz)
Accessories supplied	Mounting hardware (1 set) Fuse (1)

* Measured at 14.4 V

Design and specifications subject to change without notice.

Precautions

- This unit is designed for negative ground 12 V DC operation only.
- Use speakers with an impedance of 3.2 to 8 ohms.
- Avoid installing the unit where:
  - It would be subject to high temperatures, such as from direct sunlight or from hot air from the heater.
  - It would be exposed to rain or moisture.
  - It would be subject to dust or dirt.
- If your car is parked in direct sunlight and there is a considerable rise in temperature inside the car, allow the unit to cool off before operating.
- If no power is being supplied to the CD player check the connections first, and if everything is in order, check the fuse.

If you have any question or problem concerning your unit that is not covered in this manual, please consult your nearest Sony dealer.

Fuse Replacement

If the fuse blows, check the power connectio and replace the fuse. If the fuse blows agai after replacement, there may be an interna malfunction. In this case, consult your neares Sony dealer.

Warning

Use the specified ampere fuse for each leac Use of a higher amperage fuse may caus serious damage.

