

SOLID STATE REVERBERATION AMPLIFIER

2709173

# SR-202W

OPERATING INSTRUCTIONS

KLW  
FVW



Walnut grained vinyl top and side pannels.

 **PIONEER**

WARNING: TO PREVENT FIRE OR SHOCK HAZARD,  
DO NOT EXPOSE THIS APPLIANCE TO RAIN OR  
MOISTURE.

Thank you very much for your purchase of the solid-state REVERBERATION AMPLIFIER SR-202W.

You can enjoy reproducing any sound or recording with your favorite REVERBERATION EFFECT through the use of the SR-202W simply connected to your amplifier (or receiver) and tape recorder (s).

## FEATURES

### NATURAL REVERBERATION

Employing fully transistorized circuitry and a high-performance reverberation unit, Model SR-202W can add natural reverberation to AM or FM radio broadcasts.

It can also be used for record play, and with one or two tape recorders or tape decks.

### CONTINUOUSLY ADJUSTABLE REVERBERATION TIME

Reverberation time can be adjusted as desired. An easy-to-view indicator is provided.

### TWO TAPE RECORDERS SIMULTANEOUSLY CONTROLLABLE

Two tape recorders can be controlled at the same time by switch operation for simultaneous recording, recording with reverberation, playback, etc.

### EASY-TO-USE AND NEAT IN APPEARANCE

Model SR-202W is designed to provide easy operation for anyone.

## LINE VOLTAGE SELECTOR AND FUSE

The SR202 is available in two models: one model operates only on 120V, and the other does on one of the five line voltages, 110V, 120V, 130V, 220V and 240V. If your SR-202 is the latter model, set the unit to the proper line voltage by following the procedure described below.

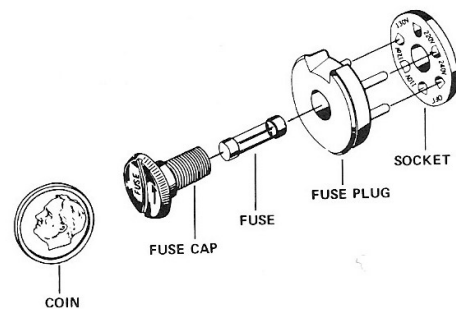
### SWITCHING LINE VOLTAGE SETTING AND FUSE

To remove the fuse, turn the fuse cap located on the line voltage selector switch in the direction indicated by the arrow.

Then remove the fuse plug from the unit. Put the fuse plug back so that the proper line voltage marking can be seen through the cut on the edge of the plug. Whenever the position of the selector switch is changed, check the rating of the fuse. A 0.2A fuse is to be used for either 220V or 240V operation and a 0.3A rating for 110V, 120V or 130V operation. If the rating of the fuse is correct, replace cap.

### FUSE REPLACEMENT

When the fuse blows, remove the fuse cap and replace the fuse with a new one.



Take off the fuse cap by turning it with a coin in the direction indicated by the arrow.

Fig. 1

## INSTALLATION

- Install the unit in a location free from high temperature (avoid heating units in particular), high humidity, severe vibrations and instability. Tilted surface.
- Place the unit near the amplifier and tape recorder(s) and connect with high-quality shielded cables. Keep these cables as short as possible.

## CONNECTION

- Model SR-202W is designed to be connected to a stereo amplifier (receiver) or monophonic amplifier with tape recording and tape playback (or tape monitor) terminals for adding a reverberation effect to recorded or live programs.

The unit cannot be used with an amplifier (receiver) which does not have such terminals.

- When using a tape recorder (or tape deck), be sure that it has a playback (line output) or monitor terminal.

### AMPLIFIER OR RECEIVER CONNECTION

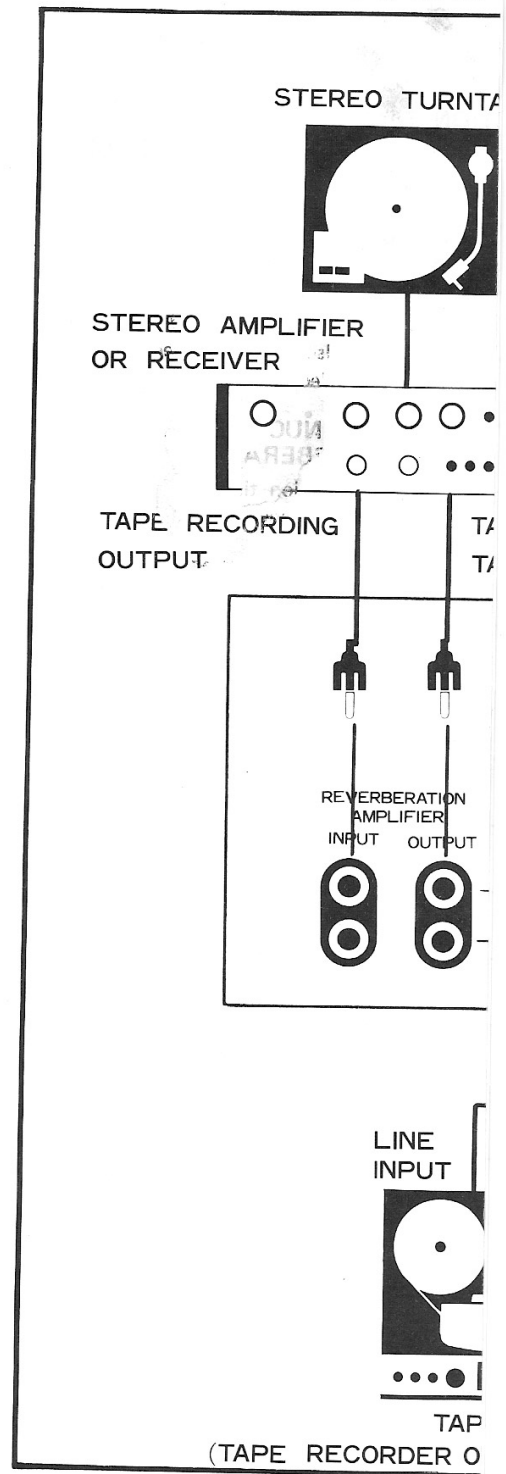
1. Connect the tape recording terminals of the amplifier or receiver to the REVERBERATION AMPLIFIER INPUT terminals.
2. Connect the tape playback (or tape monitor) terminals of the amplifier or receiver to the REVERBERATION AMPLIFIER OUTPUT terminals.

### TAPE RECORDER (TAPE DECK) CONNECTION

1. Connect the line input (recording) terminals of the tape recorder to the TAPE-A RECORDING terminals.
2. Connect the line output (monitor) terminals of the tape recorder to the TAPE-A PLAYBACK terminals.

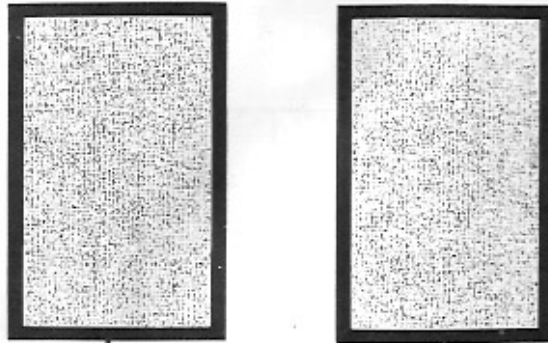
**NOTE:** As mentioned above, Model SR-202W can also be used with two tape recorders (or tape decks). When using an additional tape recorder, connect it to the TAPE-B RECORDING and TAPE-B PLAYBACK terminals as described above. All upper terminals are for the left channel, all lower ones for the right. When using monophonic audio equipment, either upper or lower will do.

## CONNECTION DIAGRAM



# SPEAKER SYSTEMS

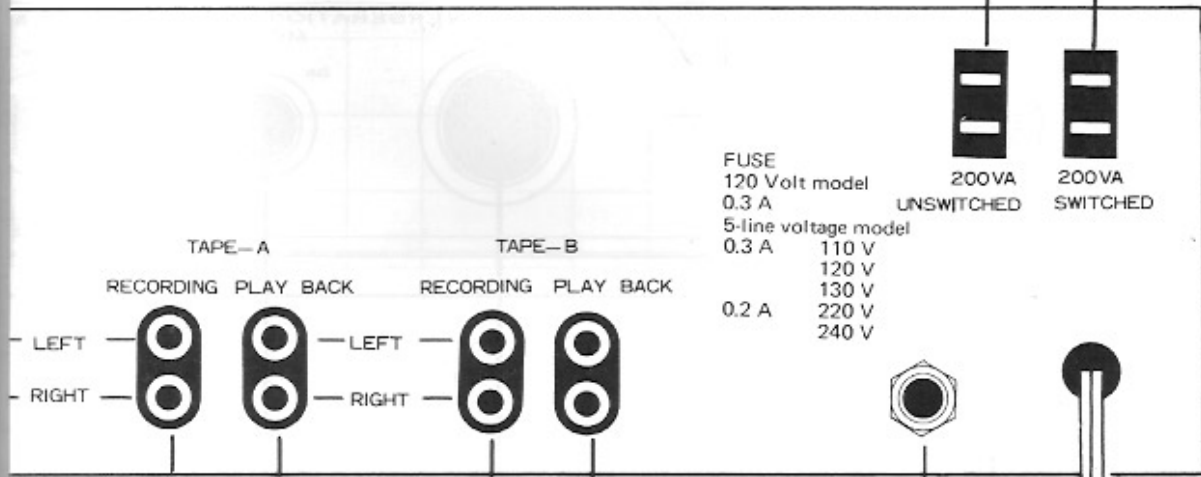
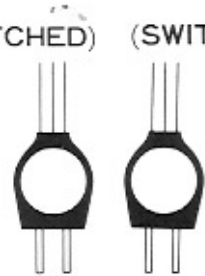
ABLE



(UNSWITCHED) (SWITCHED)



TAPE PLAYBACK OR  
TAPE MONITOR INPUT



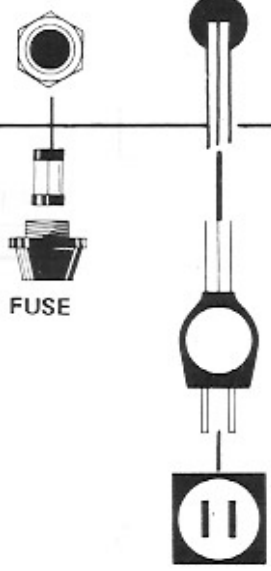
LINE OUTPUT  
OR TAPE  
MONITOR

LINE  
INPUT                      LINE OUTPUT  
OR TAPE  
MONITOR

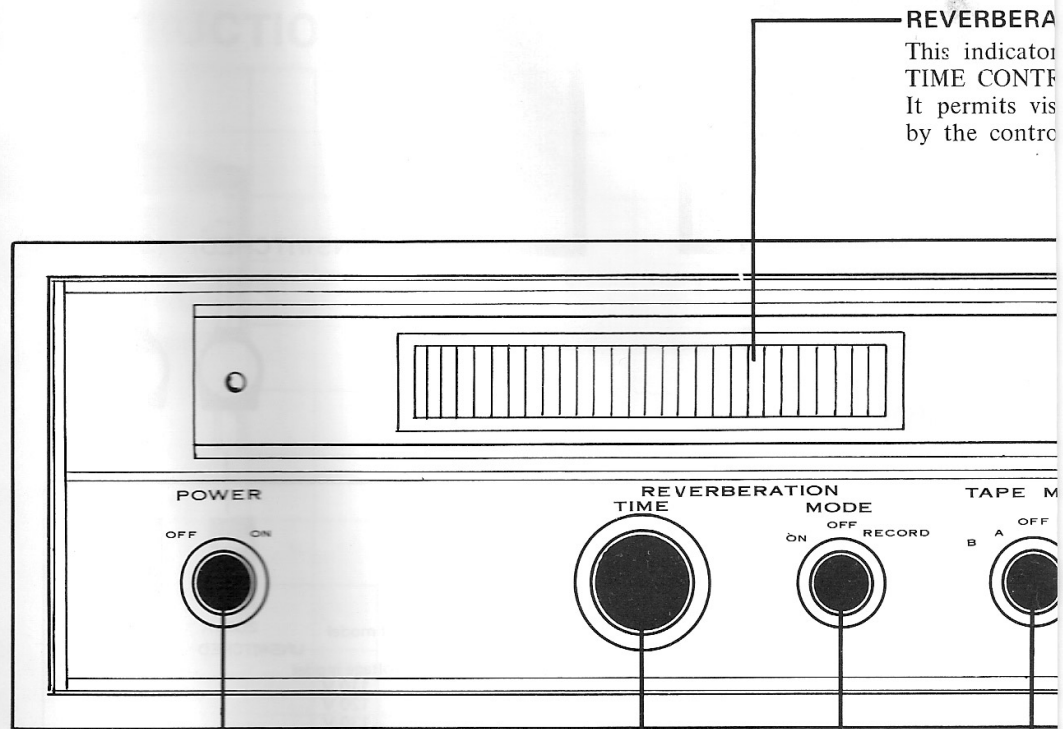


TAPE-A  
(TAPE DECK)

TAPE-B  
(TAPE RECORDER OR TAPE DECK)



# FRONT PANEL FACILITIES



**REVERBERA**  
 This indicator  
 TIME CONTE  
 It permits vis  
 by the contro

**POWER SWITCH**  
 Rotate this switch clockwise to turn on the power.

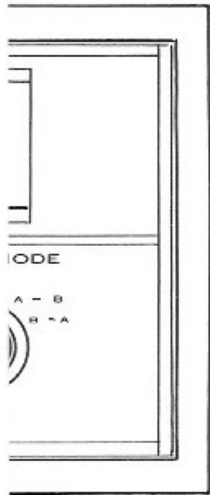
**REVERBERATION TIME CONTROL**  
 Reverberation time is adjusted with this knob. When the knob is turned clockwise, reverberation time will be lengthened.

**REVERBERATION MODE SELECTOR**  
 This selector is used for adding a reverberation effect to speaker and recorded sound.  
 ON ..... The reverberation effect is added to the speaker sound.  
 OFF ..... No reverberation effect.  
 RECORD ..... The reverberation effect is added to the recorded signal.

**TAPE MODE**  
 This switch i  
 recorders (A  
 feeding signal  
 A .....  
 B .....  
 OFF .....  
 A-B .....  
 B-A .....

### REVERBERATION TIME INDICATOR

The REVERBERATION TIME INDICATOR is interlocked with the REVERBERATION MODE selector. For equal observation of the reverberation time set by the REVERBERATION MODE selector knob.



### TAPE MODE SELECTOR

The TAPE MODE SELECTOR is provided for selecting one of the two tape recorders (A or B) connected to Model SR-202W, or for selecting the signal from one to the other.

- ..... For using tape recorder A.
- ..... For using tape recorder B.
- ..... For using neither tape recorder.
- ..... To feed the signal from tape recorder A to tape recorder B.
- ..... To feed the signal from tape recorder B to tape recorder A.

## OPERATION

- Model SR-202W can be used for various purposes by a combined operation of the TAPE MODE selector and REVERBERATION MODE selector. Select the setting as desired.
- Set the amplifier or receiver connected to Model SR-202W for tape playback or tape monitor operation.

NOTE: CONFIRM THAT ALL CONNECTIONS ARE CORRECT; please reread the instructions on page 2 before operation.

### HOW TO ADD A REVERBERATION EFFECT TO THE SPEAKER SOUND

1. Set the REVERBERATION MODE selector (ON or RECORD).
2. Set the TAPE MODE selector to OFF.

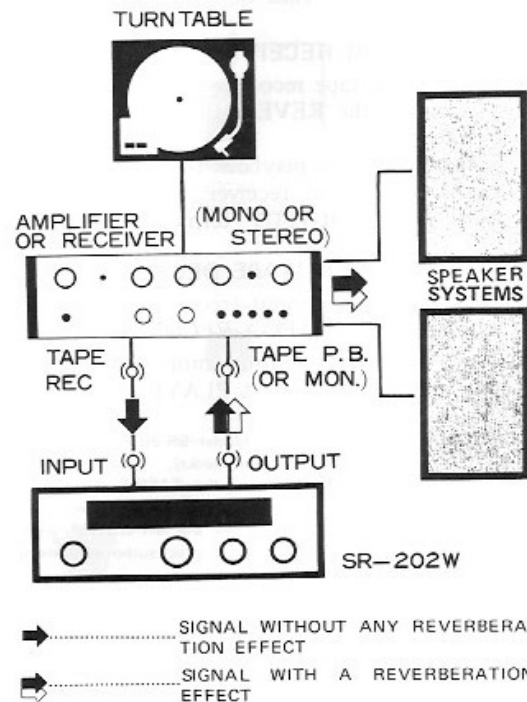


Fig. 2

## TO RECORD WITHOUT REVERBERATION EFFECT, ADDING REVERBERATION TO THE SPEAKER SOUND ONLY

**NOTE:** Be sure to keep the tape recorders connected, or the speakers will not produce sound.

### \* WHEN RECORDING ON THE TAPE RECORDER CONNECTED TO TAPE-A TERMINALS

1. Set the REVERBERATION MODE selector to ON.
2. Set the TAPE MODE selector to A.

### \* WHEN RECORDING ON THE TAPE RECORDER CONNECTED TO TAPE-B TERMINALS

1. Set the REVERBERATION MODE selector to ON.
2. Set the TAPE MODE selector to B.

### \* WHEN RECORDING FROM ONE TAPE RECORDER TO THE OTHER

1. Set the REVERBERATION MODE selector to ON.
2. Set the TAPE MODE selector to A-B or B-A.

**NOTE:** When the selector switch is to A-B, the signal to be recorded is fed from tape recorder A to tape recorder B; when set to B-A, the signal is fed from recorder B to recorder A.

### \* WHEN BEING DUBBED FROM ONE TAPE RECORDER TO THE OTHER

1. Set the REVERBERATION MODE selector to ON.
2. Set the TAPE MODE selector to A-B or B-A.

**NOTE:**

1. For recording with tape recorder connected to tape-B terminals: Set the TAPE MODE selector to A-B while reproducing pre-recorded tape with tape recorder connected to tape-A terminals.
2. Conversely, for recording with tape recorder connected to tape-A terminals: Set the TAPE MODE selector to B-A while reproducing pre-recorded tape with tape recorder connected to tape-B terminals.

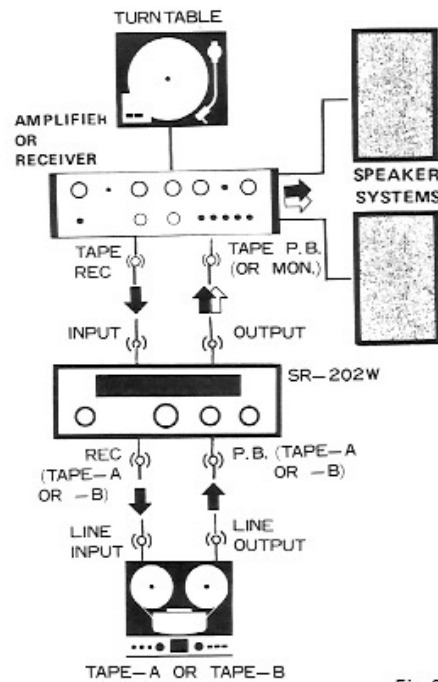


Fig. 3

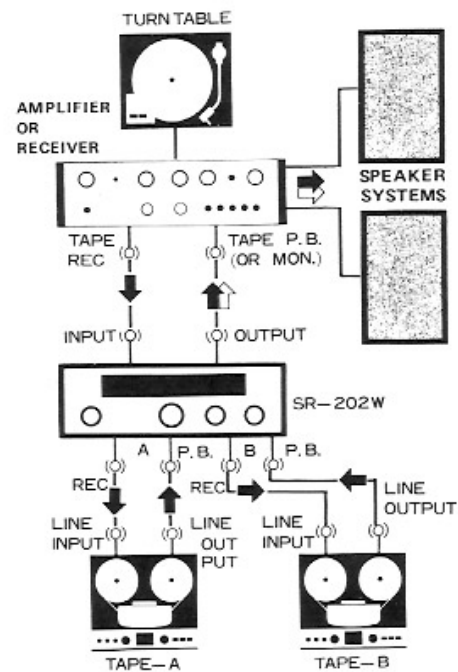


Fig. 4

## TO ADD A REVERBERATION EFFECT TO BOTH RECORDED AND SPEAKER SOUND

**NOTE:** Be sure to keep the tape recorder(s) connected, or the speakers will not produce sound.

### • WHEN RECORDING ON TAPE RECORDER A

1. Set the REVERBERATION MODE selector to RECORD.
2. Set the TAPE MODE selector to A.

### • WHEN RECORDING ON TAPE RECORDER B

1. Set the REVERBERATION MODE selector to RECORD.
2. Set the TAPE MODE selector to B.

### • WHEN RECORDING ON TAPE RECORDERS A AND B

1. Set the REVERBERATION MODE selector to RECORD.
2. Set the TAPE MODE selector to A-B or B-A.

**NOTE:** With the selector in the A-B position, the signal to be recorded is fed from tape recorder A to tape recorder B; in the B-A position, the signal is fed from tape recorder B to tape recorder A.

### IMPORTANT:

A reverberation effect can not be added to the signal played back with TAPE-A (B). Note therefore that TAPE-B (A) can not record the signal with a reverberation effect, which TAPE-A (B) played back.

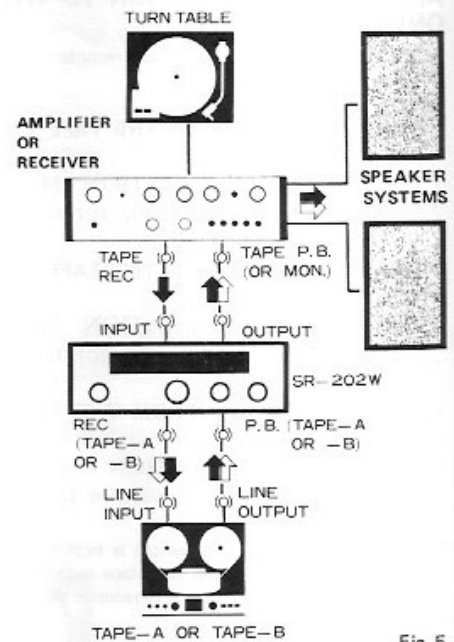


Fig. 5

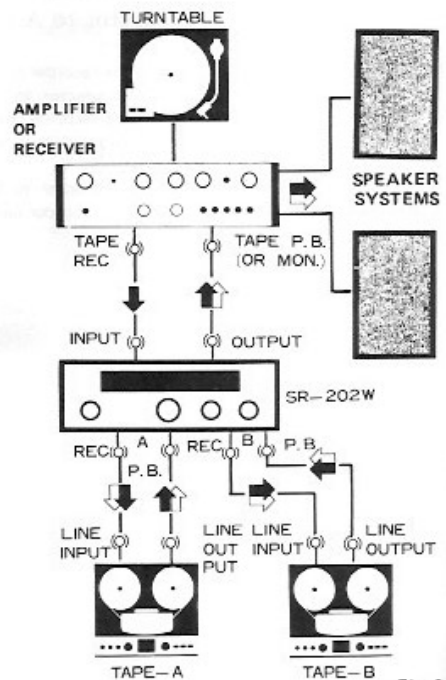


Fig. 6

**TO AVOID ADDING A REVERBERATION EFFECT TO EITHER RECORDED OR SPEAKER SOUND**

**NOTE:** Be sure to keep the tape recorder(s) connected, or the speakers will not produce sound.

**\* WHEN RECORDING ON TAPE RECORDER A**

1. Set the REVERBERATION MODE selector to OFF.
2. Set the TAPE MODE selector to A.

**\* WHEN RECORDING ON TAPE RECORDER B**

1. Set the REVERBERATION MODE selector to OFF.
2. Set the TAPE MODE selector to B.

**\* WHEN RECORDING FROM ONE TAPE RECORDER TO THE OTHER**

1. Set the REVERBERATION MODE selector to the OFF position.
2. Set the TAPE MODE selector to the A-B or B-A position.

**NOTE:** With the selector in the A-B position, signal to be recorded is fed from the tape recorder A to the tape recorder B; when in the B-A position, signal is fed from the tape recorder B to the tape recorder A.

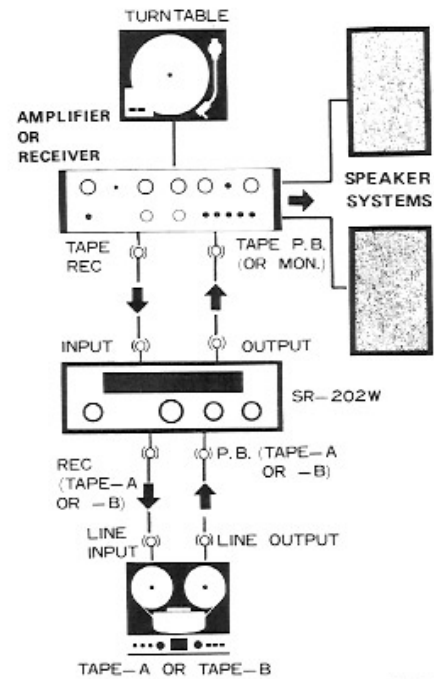


Fig. 7

**WHEN NEITHER RECORDING NOR REVERBERATION EFFECT IS DESIRED**

Reset the tape playback or tape monitor switch of the amplifier or receiver for ordinary operation, then turn the POWER switch of Model SR-202W to OFF.

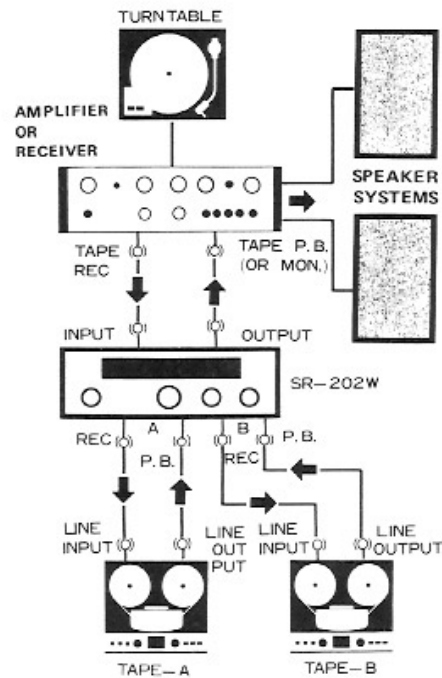


Fig. 8

