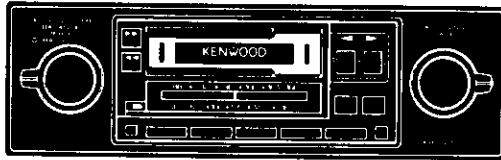


KENWOOD

CASSETTE RECEIVER KRC-2100

INSTRUCTION MANUAL



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Take the time to read through this instruction manual. Familiarity with installation and operation procedures will help you obtain the best performance from your new cassette receiver.

FOR YOUR RECORDS

Record the serial number, found on the bottom of the unit, in the spaces designated on the warranty card, and in the space provided below. Refer to the model and serial numbers whenever you call upon your KENWOOD dealer for information or service on this product.

Model KRC-2100 Serial number _____

AFTER UNPACKING

After unpacking, we recommend that you inspect the unit for any possible shipping damage. If your unit is damaged or fails to operate, notify your dealer immediately. If your unit was shipped to you directly, notify the shipping company without delay. Only the consignee (the person or company receiving the unit) can file a claim against the carrier for shipping damage. We recommend that you retain the original carton and packing materials to prevent any damage should you transport or ship your unit in the future.

FEATURES

Your new KRC-2100 is a super sensitive AM FM:MPX tuner combined with a precision-engineered high fidelity stereo cassette player. This innovative system has been designed for in-dash installation and for negative ground type power systems.

- **TAPE ADVANCE Switch**

A tape can be stopped at the interval between tunes during FF or REW. Therefore, the start of a tune can be easily located.

- **Auto Reverse Function**

When the end of tape is reached, tape direction is automatically reversed from side-A to side-B or vice versa and tape continues to play. Auto reverse continues as long as tape is engaged.

- **Automatic Loading**

Merely placing the cassette lightly in the loading slot will cause the cassette to be drawn in and commence playing.

- **Ignition Key-off Eject Function**

The cassette will partially eject when the ignition is turned off, thus preventing the unit or tape from being damaged.

- **PROGRAM Touch Button**

Instantly changes tape direction

- **ANRC (Automatic Noise Reduction Circuit)**

Functions to automatically switch, when the FM signal weakens, from Stereo to LR Blended Signal to Mono to Mute so that you can enjoy high quality FM reception, irrespective of the everchanging position of your vehicle.

- **Pre-out DIN Connector**

When connected to a graphic equalizer, graphic equalizer

amplifier or high-power amplifier, a superb quality car audio system will be created.

- **LOUDNESS Switch**

Compensates for a normal characteristic of human hearing by boosting low frequencies at a low listening level.

- **FADER and BALANCE Controls**

Give four-way flexibility for front/rear & left/right speaker volume.

- **Hard Permalloy Tape Head**

Highly friction resistant and provides an extraordinarily wide frequency range.

- **5 Preset Tuning Buttons**

Any combination of total five AM and/or FM stations may be preset.

- **Shaft-span selection**

Four adjustable positions for control shaft spacing accommodate the dash openings for nearly all cars. A vertical shift of 7.6mm is available at the 147.3 mm shaft spacing.

- **Power Antenna Connector**

For connection to the lead wire of a power antenna to automatically extend/retract the antenna when the radio is switched ON/OFF.

To obtain many years of maximum performance and listening enjoyment, please study these instructions carefully and become familiar with the controls and indicators.

INSTALLATION

Your KRC-2100 comes with a complete kit: that includes a mounting strap, bolts, washers, a front trim plate, accessory plate and control knobs. Fig. 2 shows the proper installation procedure. Look at the diagram and make sure that you have all the necessary parts. Then, begin this procedure.

1. Secure one end of the mounting strap to the rear of the unit, then the other end to the desired position on the fire wall as illustrated in Fig. 2-1 or Fig. 2-2.
2. Place spacing washers and nuts on the control shaft as illustrated. Then after fitting the front trim plate and accessory plate, mount the washers and nuts on the control shaft to attach the front plates securely to the dashboard.
3. Fit the control knobs on the shafts.

SHAFT-SPAN AND NOSEPIECE OPENING DIMENSIONS

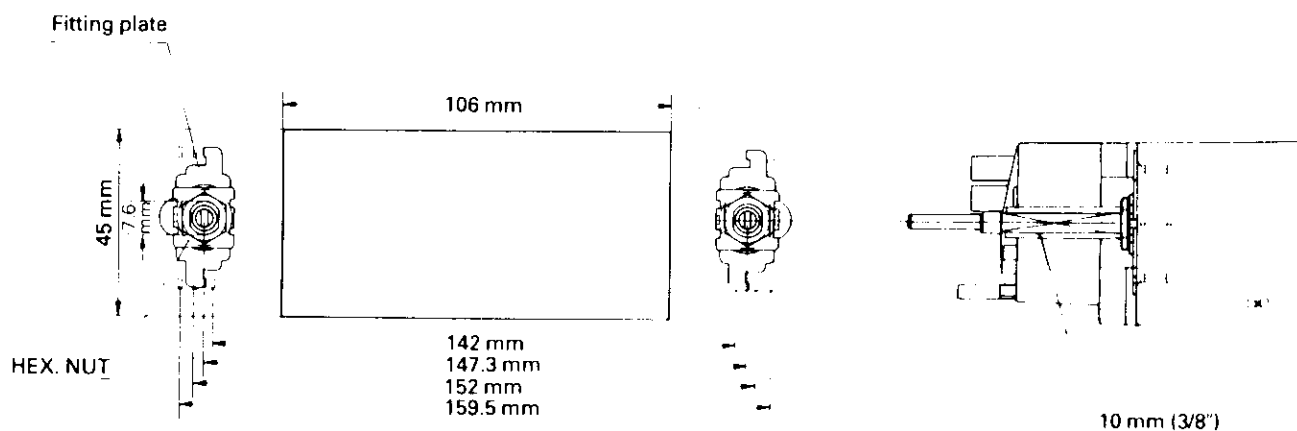


Fig. 1

Before installation, check the shaft span of the unit against the openings on the dashboard of your car. If the openings do not coincide with the present shaft span of the unit, readjust it in the following manner.

(1) Loosen the hexagonal nut on both shafts until the claws on

- the fitting plates can be retracted from their present slots.
- (2) Move the claws of the fitting plates to other slots until the shaft span fits the dashboard openings.
 - (3) Tighten the nuts

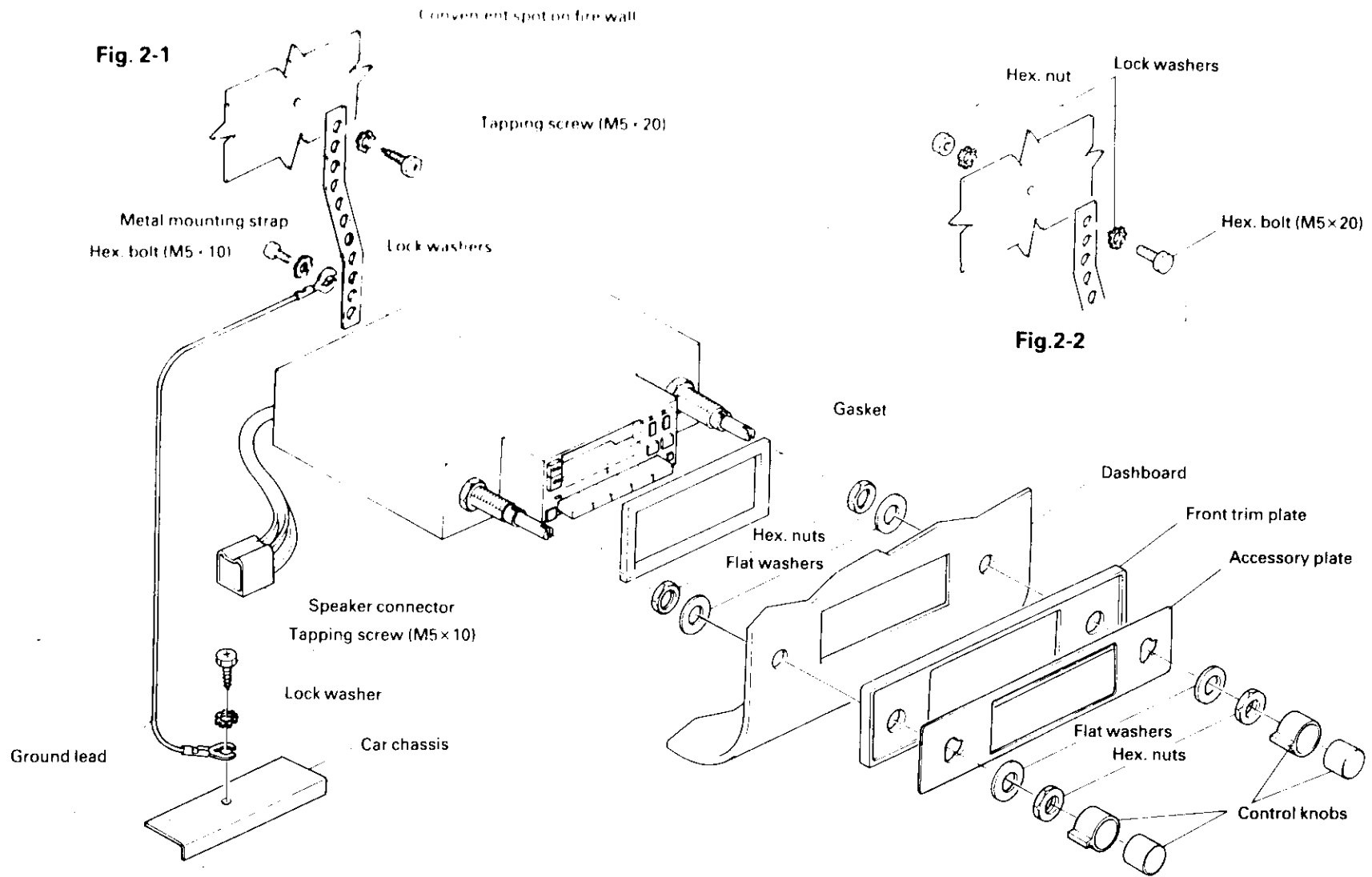


Fig. 2

CONNECTIONS

After installing all components, connect the wiring according to Fig. 3.

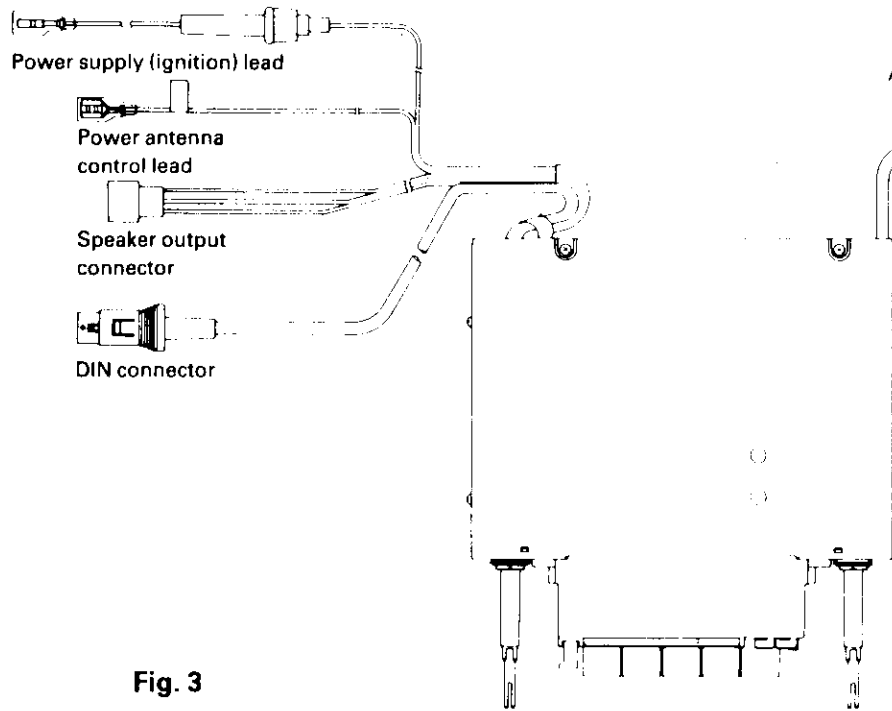


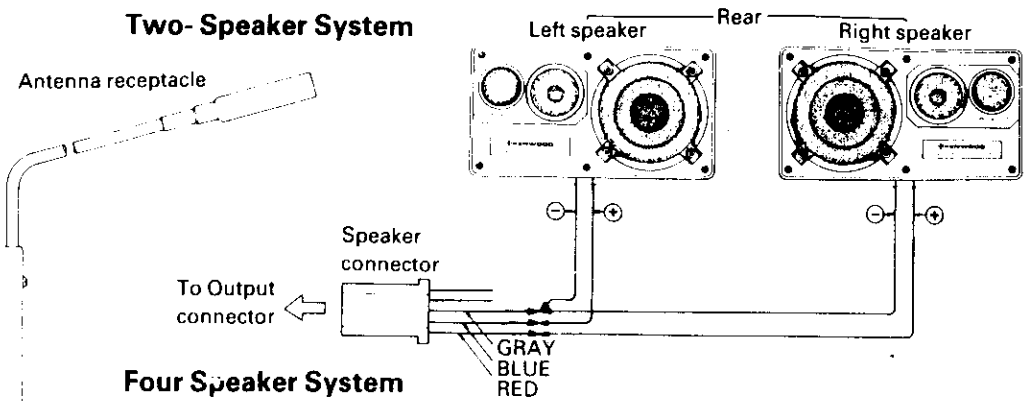
Fig. 3

— CAUTION —

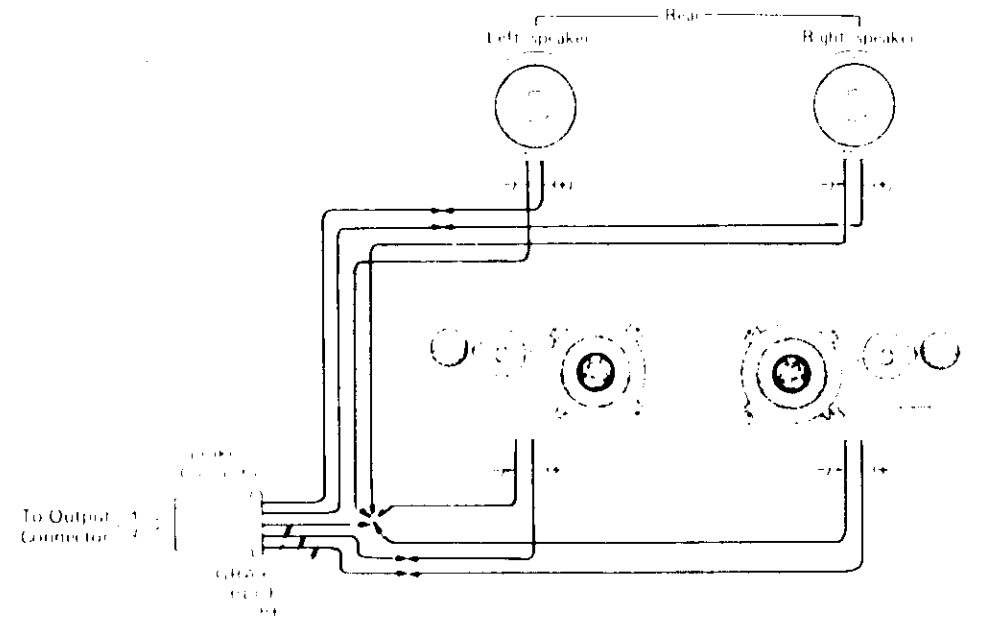
Be sure to connect the power lead (red) after all other wiring has been completed and checked. Use screws supplied as accessories when installing the unit. When using others, a length of screw can be used up to 6 mm (M5) for side or/and rear panel.

Note 1: When using two-speaker systems, be sure to cover the two other unused lead wires at the speaker connector with tape or use wire nuts to insulate them.

Two-Speaker System



Four Speaker System



Note 2: Be sure to connect the speaker cable to the speaker connector cable either with a wire nut or solder then cover with tape.

● **Pre-out DIN Connector**

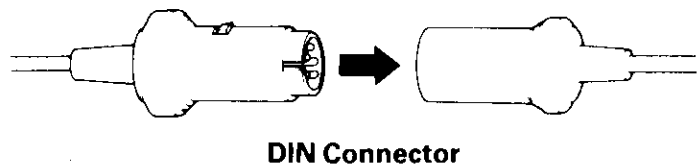
As shown in Fig. 4 through 6, connect it to the input DIN connector of components such as a graphic equalizer, graphic equalizer amplifier or high-power amplifier to upgrade the quality of your car audio system

In such cases, the power ON/OFF of the component(s) is controlled by the power ON/OFF switch of your KRC-2100.

Note 1: Do not fail to follow the respective instructions for connection as provided with each component.

Note 2: When employing the Pre-out DIN Connector, remember to first disconnect the KRC-2100 speaker output connector.

- Align pins for connector
- Press the projection for disconnection



DIN Connector

Fig. 4

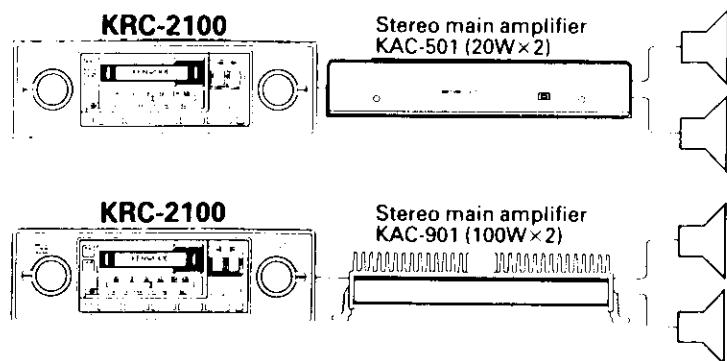


Fig. 5

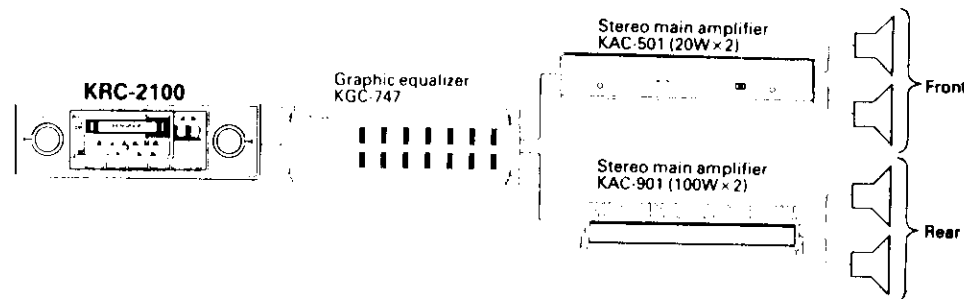


Fig. 6

Antenna Trimmer Adjustment

After the unit has been installed and connected, turn the TUNING knob to the vicinity of 1400 kHz, and pick up either a weak frequency signal or non-signal noise. Using a screwdriver, adjust the antenna trimmer so that the volume is increased to maximum level.

Antenna trimmer hole

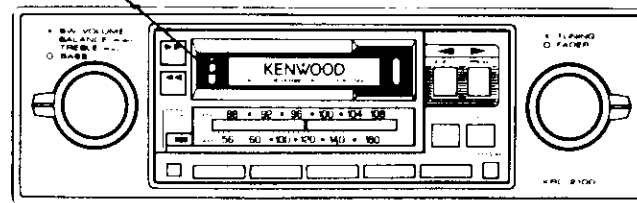
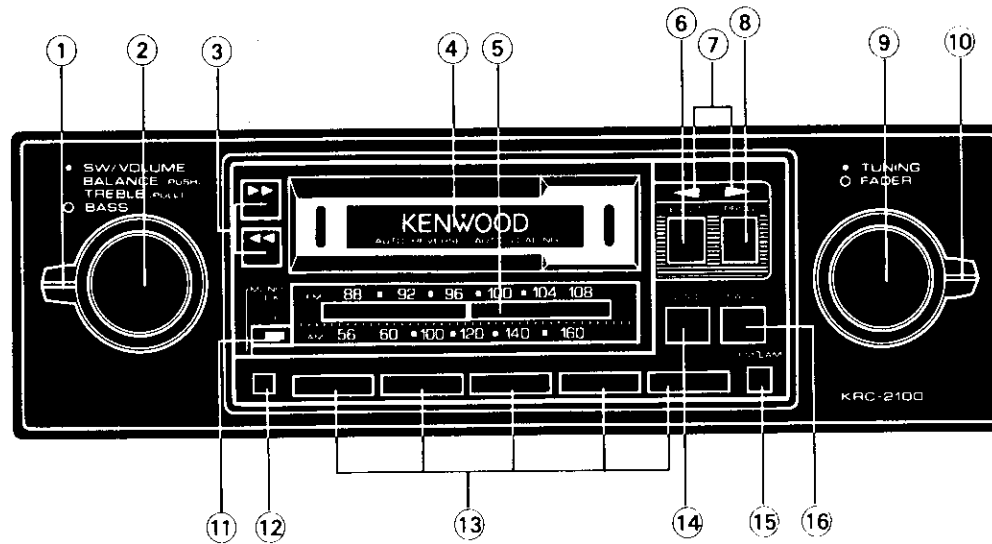


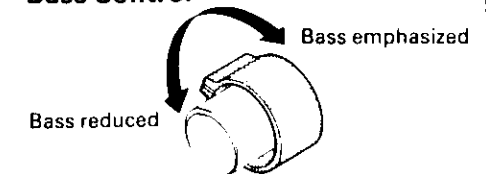
Fig. 7

CONTROLS & INDICATORS

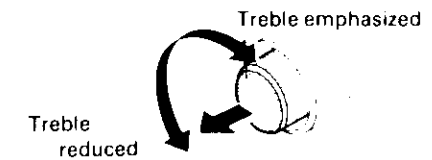


- | | |
|--|--|
| ① BASS Control | ⑨ Tuning Control |
| ② SW/VOLUME Control
(Push: BALANCE, Pull: TREBLE) | ⑩ FADER Control |
| ③ FF (Fast Forward) and REW
(Rewind) Buttons | ⑪ STEREO Indicator |
| ④ Loading Slot | ⑫ STEREO (Local)/MONO (DX) Select Switch |
| ⑤ Dial Scale | ⑬ FM/AM Preset Tuning Buttons |
| ⑥ EJECT Touch Button | ⑭ LOUDNESS Switch |
| ⑦ Tape Play Direction Indicators | ⑮ FM/AM Band Select Switch |
| ⑧ PROGRAM Touch Button | ⑯ TAPE ADVANCE Switch |

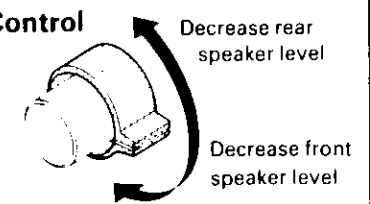
Bass Control



Treble Control

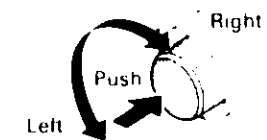


Fader Control

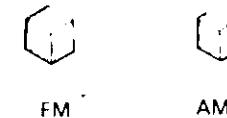


Balance Control

Push the knob, and turn.



FM/AM Band Select Switch



ST/MONO Select Switch

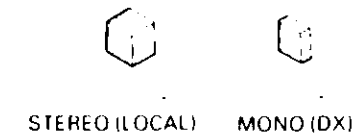


Fig. 9

CARE & MAINTENANCE

Prior to Use

Before playing a cassette, make sure there is no excess tape slack. If necessary, insert a pencil or a similar object into the reel hub as shown in Fig. 10 and rotate it to wind up the slack. A small amount of slack will not cause malfunction.

Do not use the unit if it has become extremely hot, such as when a car has been parked in direct sunlight. Allow the unit to cool by air circulation when the car is in motion before using.

To Release Fast Forward or Rewind

To release fast forward or rewind operations, lightly press the opposite button. (Depress Rewind to stop FF, and vice-versa) Forcing the Fast Forward/Rewind Button may amage the car stereo.

Automatic Reverse

Tape reverses automatically at end of tape to play the other side. Reversal will continue indefinitely, unless the cassette is ejected. At the end of tape in Fast Forward, tape will stop, reverse, and resume at normal speed.

Recommended Cassette Tape

C-30, C-60, C-90 tapes are recommended. Avoid the use of C-120 tapes which are rather thin and prone to snarl.

Head cleaning

Magnetic particles from the tape adhere to the head surface after a long period of use, resulting in noise and poor quality sound. Clean the head with cleaning tape available at your stereo shop. Do not use the cleaning tape more than once. Repeated use of the cleaning tape will damage the heads.

When your tape is not in use, snap the plastic clips provided with your cassette into the spindle holes of the cassette to secure the tape in place.

To protect your cassette tapes, store them in a cool place away from dust, dirt, and strong magnetic sources such as electric motors and TV sets.

In case of Trouble

If the unit does not operate properly, contact your dealer or the nearest authorized KENWOOD Service station.

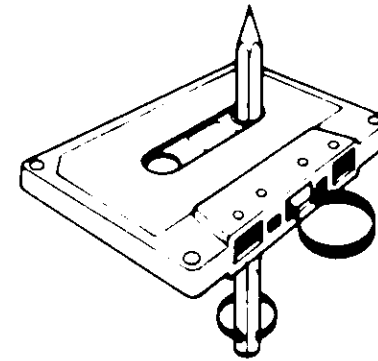


Fig. 10

SPECIFICATIONS

Specifications subject to change without notice

FM Tuner Section

Frequency Range.....	87.9–107.9 MHz
Usable Sensitivity*	1.5 μ V (14.8 dBf)
50 dB Quieting Sensitivity*	3.5 μ V (22.2 dBf)
Frequency Response*	50–15,000 Hz
Signal-to-Noise Ratio.....	68 dB
Alternate Channel Selectivity*	65 dB
Capture Ratio*	1.5 dB
IF Response Ratio*	70 dB
Image Response Ratio*	54 dB
Stereo Separation	35 dB (at 1,000 Hz)

AM Tuner Section

Frequency Range.....	530–1,620 kHz
Sensitivity	30 μ V

Cassette Deck Section

Tape Speed	4.76 cm/sec (1-7/8 ips)
Wow and Flutter*	0.12% (WRMS)
Fast Winding Time	80 sec. (C-60)
Frequency Response*	30–14,000 Hz
Stereo Separation*	35 dB
Signal-to-Noise Ratio (A-Weighted).....	52 dB

Audio Section

Tone Action*	
Bass (100 Hz).....	\pm 10 dB
Treble (10 kHz)	\pm 10 dB
Power Output*	
Total Output Power	10W
Power per Channel	5W (at 10% THD 1 kHz) 4W (at 1% THD 1 kHz)
Load Impedance	4 (4–8) Ω
Pre-Out	200 mV/40 ohms

General

Operating Voltage	DC 14.4V (11–16V allowable) Negative Ground
Body Size (W×H×D)	180×50×135 mm (7-3/32"×1-15/16" ×5-5/16")
Nose Size (W×H×D)	105×44.5×33 mm (4-1/8"×1-3/4" ×1-5/16")
Weight	2.2 kg (4 lbs 13 ozs)

* Car Stereo Manufacturers Ad Hoc Committee Specifications.