

**NOTES:**

- Power must be turned off during connections to avoid possible damage due to accidental shorting of lead wires. All connection should be soldered and insulated with electrical tape. Also, no using wires should be insulated with electrical tape.
- Keep all lead wires as far away as possible from the rear part of the unit to avoid the heat produced by high-power IC.

**Power Connection:**

Before making the power connections, remove the fuse from the fuse-holder. The RED wire from the fuse-holder must be connected to a terminal of the fuse-block. Some of these terminals will provide power only when the ignition switch is on. It is recommended that the connection be made to such a terminal. The BLACK wire must be connected to the chassis (car body). After all the connections are made, reinstall the fuse.

**CAUTION:**

- \* WHEN REPLACING THE FUSE, USE A NEW 5 AMPERES MAXIMUM RATING.
- \* DAMAGE TO THE CIRCUIT IN THE UNIT MAY OCCUR IF A FUSE OF MORE THAN 5 AMPERES MAXIMUM RATING IS USED AND THE POWER LEADS ARE CONNECTED IN THE OPPOSITE POLARITIES AT THE SAME TIME.

**Speaker Connections:**

Your car stereo player is designed for use with two speakers. Best performance is achieved with the use of matched speakers of 4 ohms impedance, but essentially equal quality can be obtained with two 8 ohms units. Mixing speakers of different impedance or type can cause unbalanced sound. You must always install a minimum of two speakers, one on the right side of the car and the other on the left to obtain the proper stereo effect.

**NOTE:** Power to the unit must be turned off during speaker hook up to avoid possible damage due to accidental shorting of speaker wires. All connections should be soldered and insulated with electrical tape.

RED . . . +12V TO FUSE-BLOCK GREEN YELLOW  
 BLACK . . TO CHASSIS GROUND WHITE . . . . . RIGHT SP "+"  
 (EARTH) YELLOW  
 BLUE . . . LEFT SP "-"

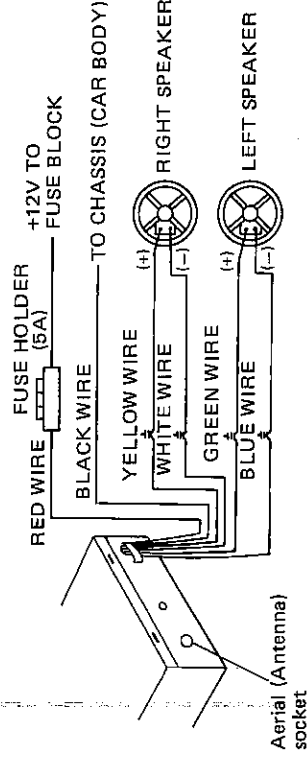
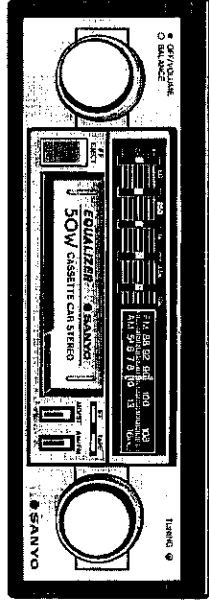


Fig. 4

**OPERATING INSTRUCTIONS**



**EQ SOUND**



SPECIFICATIONS	
Tape	Cassette
Tape speed	4.75 cm/s
Wow & flutter (JIS)	0.2% W/RMS
Output power (MAX)	25W x 2 (at 4Ω load, 14.4 Volts)
Signal to noise ratio	48 dB
Crosstalk	50 dB
Frequency response	50 ~ 10,000 Hz
Speaker output impedance	4Ω or 8Ω
Frequency ranges	AM: 531 ~ 1,602 KHz FM: 88 ~ 108 MHz
Sensitivity (for 500 mW output)	AM: 20 μV FM: 2 μV
Power source (Battery voltage)	DC 12V Negative ground (earth) only
Dimensions	168(W) x 120(D) x 50(H) mm
Weight	1.0 kg

SANYO ELECTRIC CO., LTD.

OSAKA JAPAN

R-4779845

Printed in Japan

**SANYO COMPACT CASSETTE IN-DASH CAR STEREO PLAYER WITH FM-FM STEREO/AM RADIO**

## FEATURES

The SANYO FT 600M Cassette Stereo Tape Player with "FM-FM STEREO/AM" Radio is an extremely compact unit featuring automatic motor shut off at end of tape. The compact size of FT 600M makes it readily adaptable to in-dash mounting in most cars. The sensitive radio enables you to listen to your favorite FM, FM STEREO or AM programs. A tape indicator shows when the tape player section is in use and a FAST FORWARD Control mode enables rapid location of a desired selection on the tape. The efficient transistorized circuitry provides high fidelity output power with low battery drain, and the motor is regulated to provide the proper tape speed over the range of 11 — 16 volts from a NEGATIVE-GROUND electrical system only.

**NOTE:** Depend on the cassette tape, the function of AUTOMATIC MOTOR SHUT OFF does not operate at the end of tape in FAST FORWARD mode.

## EQUALIZER

Equalizer controls 60 Hz, 250 Hz, 1 kHz, 3.5 kHz, 10 kHz. Set your favorite sound equalization by setting the five frequency control knobs to boost or cut each band.

## CONTROLS (See Fig. 1)

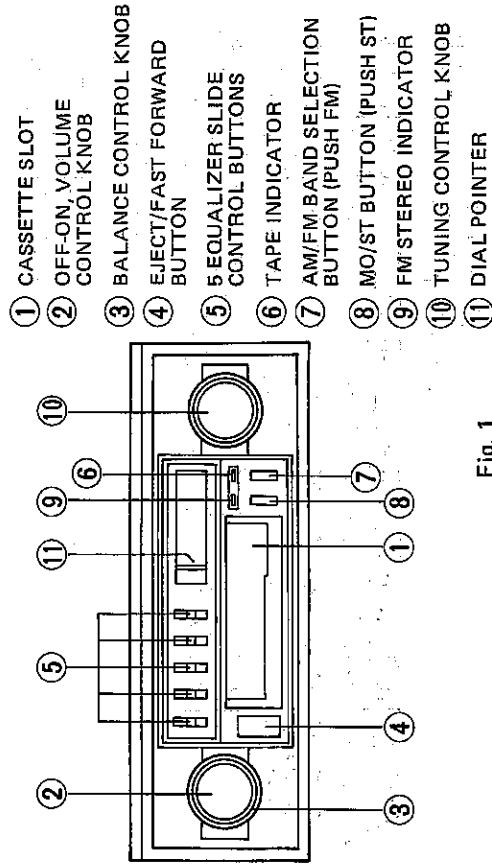


Fig. 1

## OPERATIONS

### To Play Back a Cassette Tape

- a. Turn the power on by rotating the VOLUME control clockwise.
- b. To play, insert the cassette with desired side upward.
- c. Push the cassette all the way in the unit until it is locked down.
- d. Adjust the BALANCE, 5 EQUALIZER controls as desired.
- e. While a tape is playing, the tape indicator will illuminate.
- f. To skip a selection, push the button of EJECT/FAST FORWARD. The tape will advance at high speed.
- g. To stop the FAST FORWARD, depress the EJECT/FAST FORWARD BUTTON half way.
- h. To stop the tape, completely depress the EJECT/FAST FORWARD button.

### To Listen to Radio Program

- a. Turn on the power by rotating the OFF-ON, VOLUME CONTROL KNOB clockwise.
- b. The radio will not operate while a cassette is being played.
- c. Press the EJECT/FAST FORWARD BUTTON to clear the unit for radio operation.
- d. Press or release the AM/FM (push FM) band select button which you desire.
- e. Use the TUNING CONTROL KNOB to select your station.
- f. The FM stereo indicator will illuminate red automatically when the MO/ST button is pressed and the station is being received in stereo.
- g. Press or release the radio band select button in order to get radio program which ever you desire.
- h. To turn off the radio, rotate the VOLUME control fully counter clockwise.

## IGNITION NOISE

After installation, interference or noise may occur during radio or tape operation. This interference is caused by your car and not the tape player. When installation of a noise suppression system is required, consult your dealer or automotive sound installation specialist.

## MAINTENANCE HINTS

1. When not in use, always remove the cassette from the player.
2. The cassette case is made of high impact plastic and should not be exposed to heat exceeding 130°F (54°C), as this may result in deforming.
- Also, the cassette should not be left in temperatures below 23°F (-5°C), as this may result in brittle tape easily broken during playback. If the tape has been exposed to extreme cold, it should be allowed to warm up before playing.
3. Never place cassette tape in the vicinity of a strong magnetic field such as electric motors, loudspeakers, TVs, radio sets or other electrical appliances. Also, avoid touching the surface of the tape as this may result in erasure or distortion of the recording.
4. Tape cassette should be placed in plastic bags and stored in places that are not exposed to excessive heat (do not leave in the sun), cold or humidity.

Proper care will ensure longer tape life and more satisfactory performance.

5. Protect the unit and the cassette cartridges from the moisture. Close all windows when washing the car.
6. When replacing the fuse, make sure to use a new one of 5 amperes (maximum rating) fuse. If a fuse blows again, recheck wiring or have the unit bench tested at a service station before reoperating.
7. Clean the tape head, capstan and pinch roller once a month or after every 50 — 80 hours or use with a soft cloth or cotton soaked in head cleaner. (Fig. 2)
8. For trouble free usage of C-90 or C-120 cassette tapes, it is highly recommended that you use the higher priced, finer quality cassette cartridges.

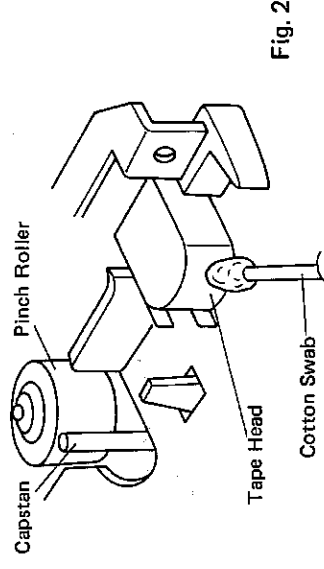


Fig. 2

## INSTALLATION (Fig. 3)

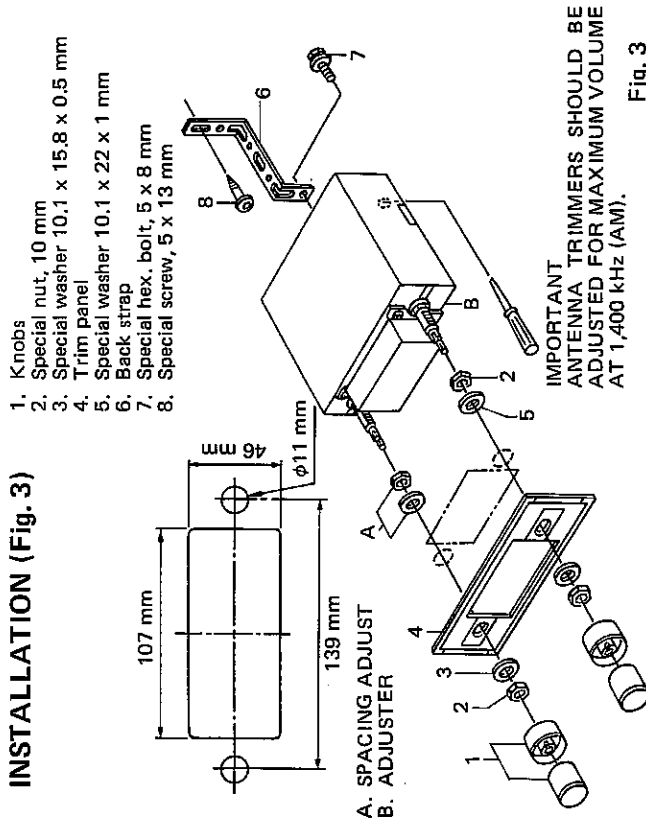


Fig. 3

### In-dash Mounting:

This unit, with its adjustable shafts is designed for in-dash mounting in most cars, trucks or boats with a 12 volt negative earth electrical system. Most cars have pre-cut radio mounting holes behind the dummy face plate of dash when not equipped with factory radio. Remove this dummy face plate. If necessary, adjust shafts pitch by loosening the adjuster nut. The shaft pitch can be adjusted from 130 mm to 148 mm. If auto manufacturer has not provided pre-cut holes for radio, mark desired location of unit using the trim plate panel. Do not drill holes until you are certain of sufficient depth or room for the unit and that there are no obstructions (wires, air cond. hose, etc.). Drill two 11 mm diameter hole for nose of the unit. Position and cut a 107 x 46 mm rectangular hole for nose of the unit. Position the unit through dash and place the trim panel. Secure the trim panel and the unit with two hex. nuts and two washers, then place the knobs. Support the rear of the unit with the perforated back strap and bolt. Bend the back strap as required so that the free end can be attached to the firewall by self-taping screw at some point above the top of the unit.

**NOTE:** For space adjustment, adjust the two nuts and washers between the unit and dash board panel.