

EXHIBIT 5. USER'S MANUAL & SCHEMATIC(BLOCK DIAGRAM)

FM TRANSMITTER
CERTIFICATION TO FCC PART 15 REQUIREMENT

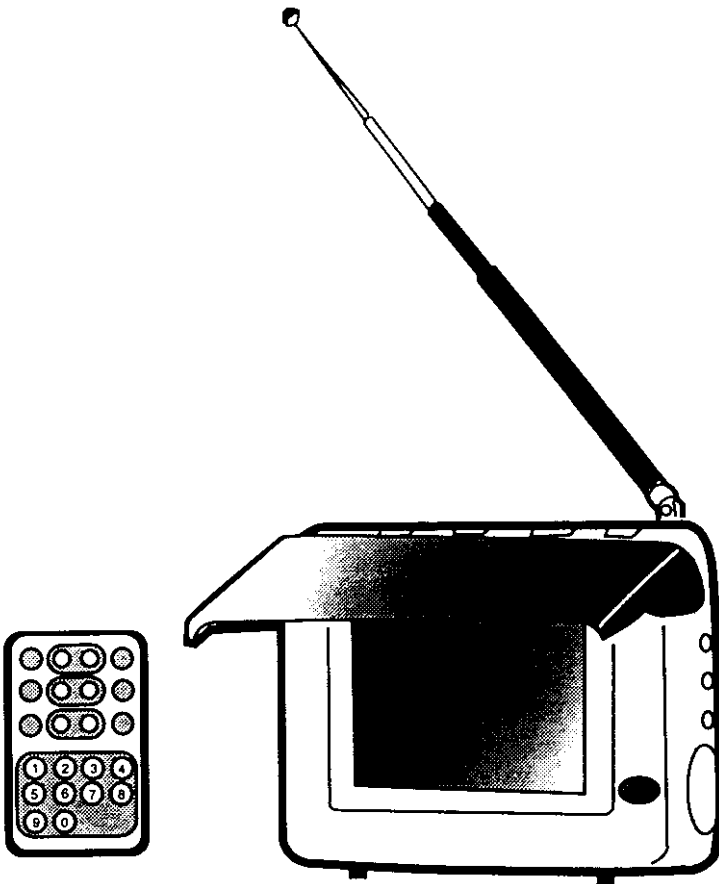
PRODUCT	4" TFT LCD COLOR TELEVISION		
FCC ID	MSE4000		
MODEL NO.	SW-4000	SERIAL NO.	N/A
APPLICANT & ADDRESS	SAMWON ELECTRONICS INC. 694-2, KOJAN-DONG, NAMDONG-KU, INCHON, KOREA.		

REPORT NO.	OTC-RF-9803068	ISSUE DATE	March 23, 1998
PREPARED BY :	ONETECH CORPORATION 2 F. KUNHAN B/D, 1557-11, SEOCHO-DONG, SEOCHO-KU, SEOUL 137-070 KOREA (TEL)02-587-9037 (FAX)02-587-9039		

TRITONE

INSTRUCTION MANUAL 4" TFT LCD COLOR TELEVISION

SW-4000



WARNING

Do not watch TV when you drive a car. It will be a cause of traffic accident if you drive on giving a side glance with watching TV.

PLEASE READ THIS INSTRUCTION MANUAL COMPLETELY BEFORE OPERATING YOUR SET AND RETAIN FOR FUTURE REFERENCE.

INFORMATION TO THE USER

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

WARNING

Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

WARNINGS



The exclamation point within the triangle is a warning sign alerting the user of important instructions accompanying the product.



The lightning flash with arrowhead symbol within the triangle is a warning sign alerting the user of "dangerous voltage" inside the unit.



To reduce the risk of electric shock do not remove the cover. No user serviceable parts inside the unit. Refer all servicing to qualified personnel.



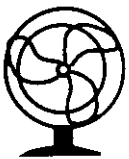
This unit must not be exposed to moisture or rain.



The power switch in this unit is mounted on the secondary circuit and does not disconnect the whole unit from the mains in position off.



Ensure all connections are properly made before operating the unit.



This unit should be positioned so that it is properly ventilated. Avoid placing it for examples close to curtains, on the carpet or in a built-in installation such as a bookcase.



Do not expose this unit to direct sunlight or heat radiating sources.

ANTENNA INSTALLATION

Unless your TV is connected to a cable TV system or to a centralized antenna system, a good outdoor color TV antenna is recommended for best performance. However, if you are located in a good signal area, free from interferences, an indoor antenna may be sufficient.

EXTERNAL ANTENNA CONNECTION

In most reception areas, the built-in telescopic antenna should be adequate for good reception.

However, if you cannot obtain satisfactory reception with it, the use of an external antenna is recommended.

NOTES:

- When using separate UHF/VHF antenna, use a commercially available UHF/VHF 75-Ohm Coupler. A Combination VHF/VHF antenna with 75-Ohm lead-in wire may be connected directly to the external antenna jack.
- When watching the TV in a car, the car antenna is recommended for a good reception.

CAR ANTENNA

When you view TV in a car, a car antenna is recommended for a good reception. Call your nearest TV store for information about a car antenna.

LOCATION

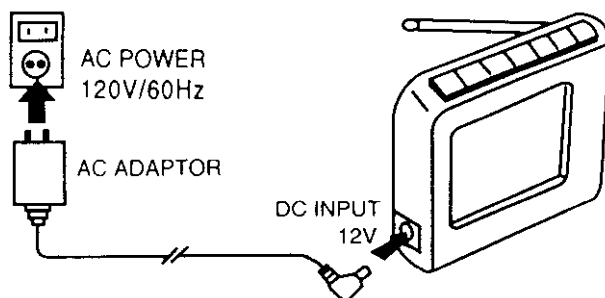
Select an area where sunlight or bright indoor illumination will not fall directly on the picture screen.

POWER SUPPLY

AC operation

This TV operates on 120V/60Hz AC power.

Connect one end the AC power cord to a wall socket and the other end to the 12V DC input socket on the left side of your TV.

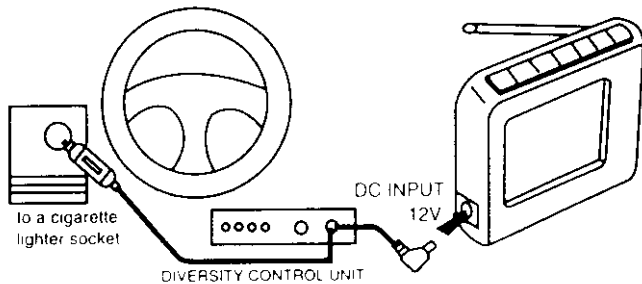


DC operation

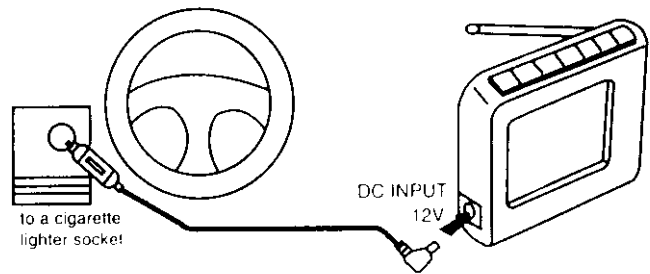
Plug one end of the power cord into the cigar lighter socket on the dashboard of your car and the other end into the 12V DC socket on the left of your TV.

CAUTION : Always make sure that the polarity of the power cord matches the polarity of the socket on the car.

A. For DIVERSITY UNIT OPERATION



B. For CAR battery CORD OPERATION

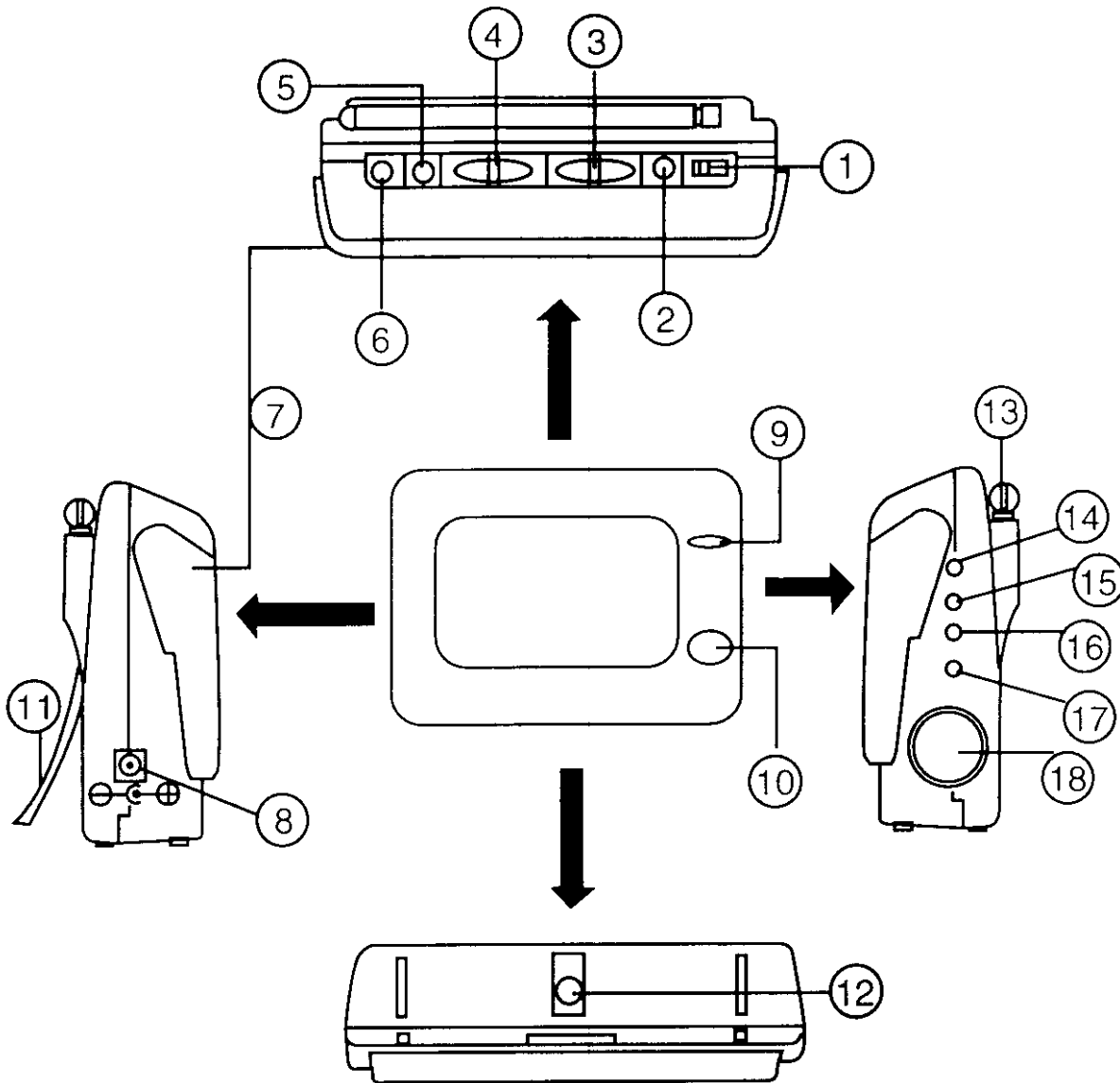


REMOTE CONTROL

Use CR-2025 size batteries as specified inside the battery compartment.

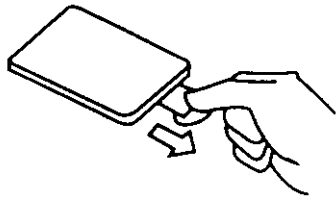
FUNCTIONS AND CONTROLS

- 1) MAIN POWER SWITCH
Main switch to switch the TV ON/OFF stand-by.
- 2) POWER BUTTON
Push the power switch TV ON/OFF.
- 3) CHANNEL UP/DOWN BUTTON
To select the desired TV channel.
- 4) VOLUME, SET UP/DOWN BUTTON
To adjust the volume level. Use to adjust the function selected on menu.
- 5) MENU BUTTON
Use this button to see the main menu and move the cursor on the menu.
- 6) TV, GPS/VIDEO BUTTON
- 7) SUN SHADE
- 8) DC INPUT (12V)
- 9) STAND BY INDICATOR
- 10) REMOTE CONTROL SENSOR
- 11) STAND
- 12) STAND HOLE
- 13) TELESCOPIC ANTENNA
Adjust the length, direction and angle for best picture.

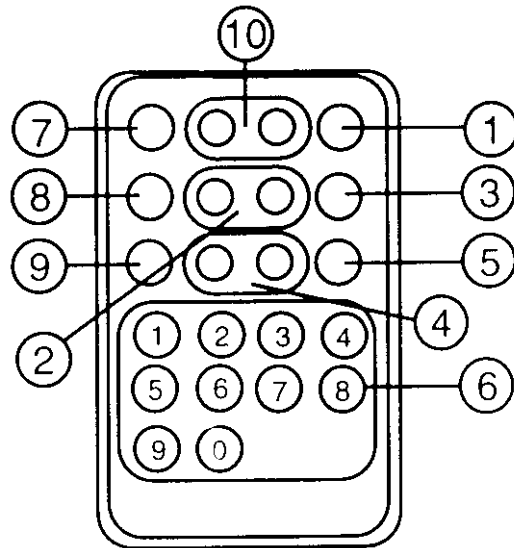


- 14) EXTERNAL ANTENNA JACK
To connect an external TV antenna.
- 15) DIVERSITY ANTENNA JACK (VIDEO OUT)
Use for connecting a diversity TV antenna.
- 16) GPS/VIDEO, AUDIO INPUT JACK
Input terminal for VCR, GPS, Camera, etc.
- 17) EARPHONE JACK (STEREO EARPHONE JACK)
Connect the earphone to this socket for private listening.
- 18) SPEAKER

REMOTE CONTROL FUNCTIONS



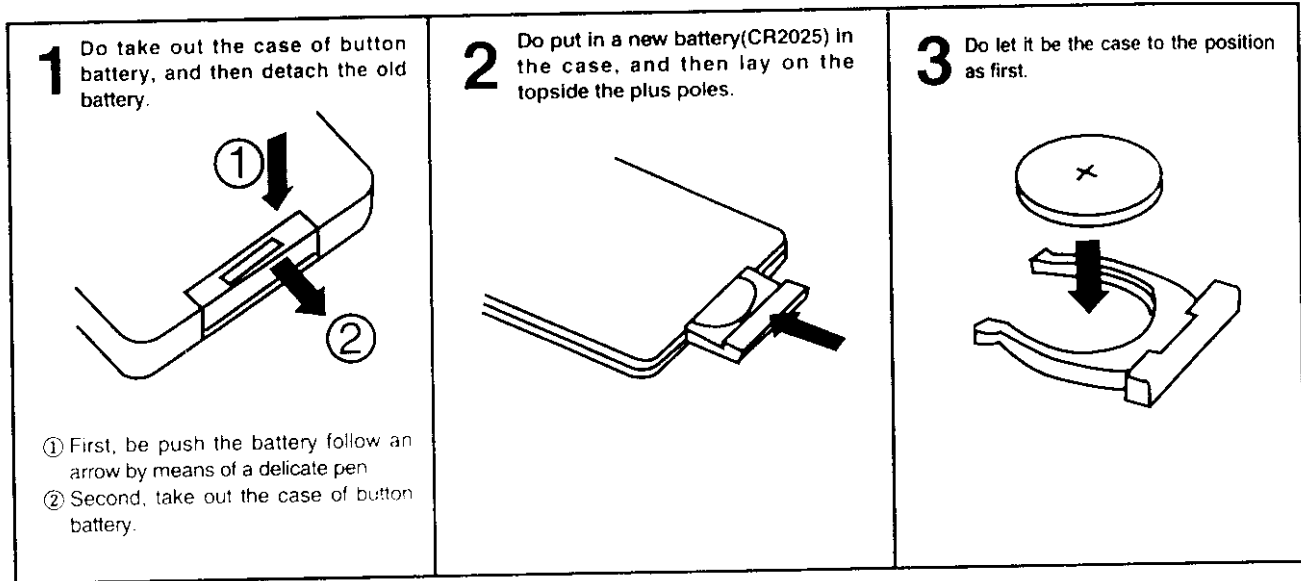
· Rebbon delete a pull back



- 1) POWER BUTTON
To switch the TV picture ON/OFF.
- 2) VOLUME UP/DOWN BUTTON
To adjust the volume level.
- 3) BLUE BUTTON
To switch the blue screen ON/OFF.
- 4) CHANNEL UP/DOWN BUTTON
To select a TV channel stored in memory.
- 5) TV/AV BUTTON
To select TV or VIDEO mode.
- 6) 0~9 NUMBERED BUTTONS
Press these buttons to select directly a channel number. To call a two digit channel number, press two buttons continuously within 3seconds.
- 7) MENU BUTTON
Use this button to see the main menu and move the cursor on the menu.
- 8) MUTE BUTTON
To eliminate the sound of TV/AV, press this button. Press it again to resume the sound.
- 9) RECALL BUTTON
To see the present channel number and time on the screen, press this button. The time display will disappear after 5seconds but the channel number will remain until this button is pressed again.
- 10) SET BUTTON +, -
Use to adjust the function selected on menu.

HOW TO EXCHANGE OF A BATTERY FOR REMOTE CONTROL

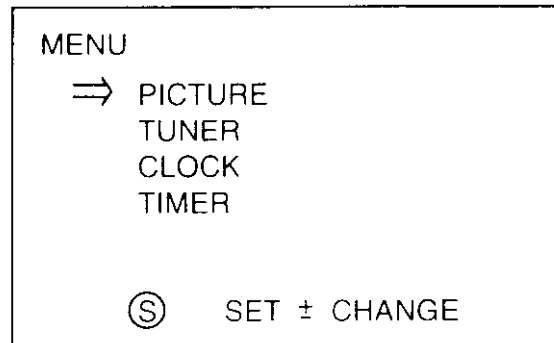
If there is no power, even though you intend to operate remote control when TV is taken on, it is high time that you should exchange the old battery with new battery. (generally, the life span of a battery is about one year in case of that you use it.)



HOW TO CONTROL FUNCTIONS ON THE MENU

MAIN MENU

Press first the MENU button to see the MAIN MENU GROUP shown below. You can choose one of these modes by moving the cursor. To move the cursor, press the MENU button. If you choose the mode to be adjusted, press the SET + or SET - button.



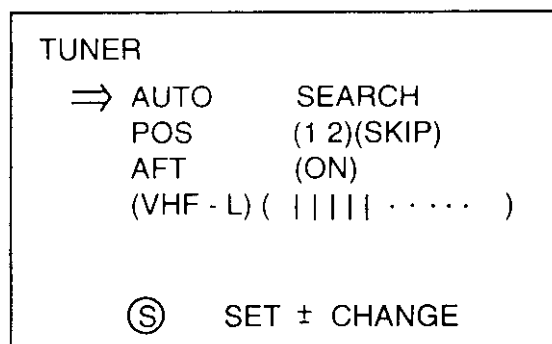
PICTURE

You can get the PICTURE color that you prefer with this function.

<p>1 Choose the PICTURE that you want adjust the color. Push the MENU button to show MENU GROUP.</p> <pre>MENU ⇒ PICTURE TUNER CLOCK TIMER Ⓢ SET ± CHANGE</pre>	<p>2 Choose PICTURE in MENU GROUP and push SET ± button. The PICTURE CONTROL GROUP will be shown on the PICTURE. Push SET ± button. The notch mark will move and the color will be adjusted. You can adjust CNT, BRI, AND, TNT by same way.</p> <pre>PICTURE ⇒ COL CNT BRI TINT PICTURE RESET Ⓢ SET ± CHANGE</pre>
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TUNER

To pick up the menu of TUNER GROUP shown below, press the SET button.



AUTO-SEARCH

See chapter "HOW TO CONTROL AUTO SEARCH AND STORE".

POSITION

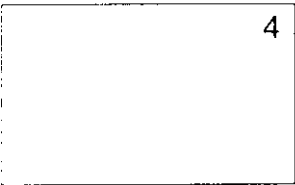
Choose position number with the channel UP/DOWN buttons.

SKIP

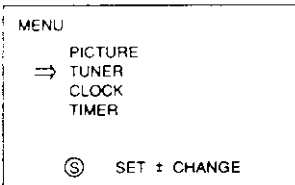
When auto store is completed, all other channel positions, except the positions stored, will be on SKIP status.

Use this function to cancel some positions which have no good PICTURE or are stored repeatedly.

1 Choose the channel which you want to cancel.



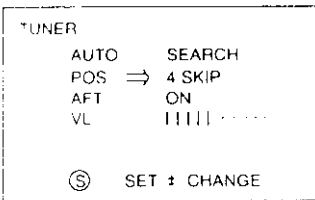
Choose and channel and picture



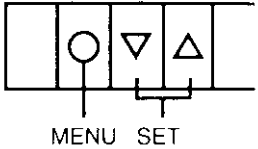
MENU
⇒ PICTURE
TUNER
CLOCK
TIMER
Ⓢ SET ± CHANGE

- Press MENU button and MENU GROUP will be shown.
- Press MENU button again to move the cursor to TUNER.

2 Press SET + or - button to show TUNER GROUP on the picture.



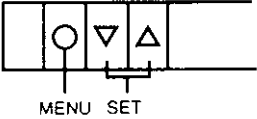
TUNER
AUTO SEARCH
POS ⇒ 4 SKIP
AFT ON
VL |||||
Ⓢ SET ± CHANGE



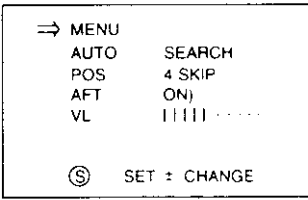
MENU SET

- Press MENU button to move the cursor to POS number.
- Press SET + or - button to show SKIP status.

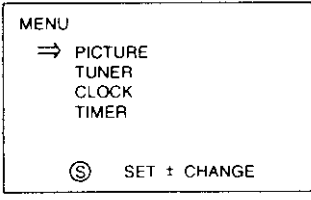
3



MENU SET



⇒ MENU
AUTO SEARCH
POS 4 SKIP
AFT ON
VL |||||
Ⓢ SET ± CHANGE



MENU
⇒ PICTURE
TUNER
CLOCK
TIMER
Ⓢ SET ± CHANGE

- To remove TUNER GROUP after SKIP the channel, press MENU button 4 times. TUNER will be changed to MENU.
Press SET + or - button to show MENU GROUP. MENU GROUP will be displayed.
Press MENU button 4 time again, MENU GROUP will be disappeared from the picture.

Note : In order to escape from TUNER GROUP quickly after step 2, you can proceed as follows:
Press volume UP or DOWN button and CHANNEL UP or DOWN button once each by using remote control (not by using buttons on the TV)
The selected channel is skipped now.

AFT (AUTOMATIC FINE TUNING)

When you tune a TV channel with fine tuning, it is recommended to set to AFT OFF mode. After tuning, return to AFT ON mode.

BAND SELECT

Select one of the bands VHF-L, VHF-H and UHF when you tune with fine tuning.

FINE TUNING

The BARS will increase or decrease according to the tuning of each band with SET + or SET - buttons.

CLOCK

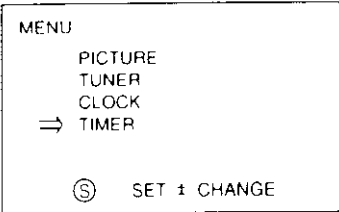
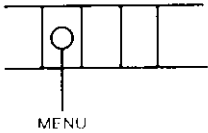
You can reserve a day of the week, AM/PM and time. AM/PM and time will be shown when you push channel button(▼▲).

<p>1 Push MENU button and choose clock in MENU GROUP.</p> <div data-bbox="175 1087 516 1297"><p>MENU PICTURE TUNER ⇒ CLOCK TIMER</p><p>Ⓢ SET ± CHANGE</p></div> <div data-bbox="581 1087 787 1228"><p>MENU</p></div>	<p>2</p> <div data-bbox="925 955 1161 1071"><p>MENU SET</p></div> <div data-bbox="868 1102 1182 1297"><p>CLOCK</p><p>⇒ SUN AM 11 : 34</p><p>12 HOUR</p><p>Ⓢ SET ± CHANGE</p></div> <ul style="list-style-type: none">• Push SET button to show CLOCK GROUP. Choose a day of week, AM/PM, time and minute and use SET ± button to correct exact time.
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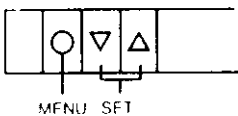
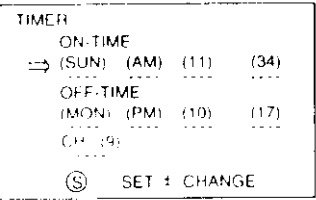
SLEEP TIMER

You can reserve ON-TIME, and OFF-TIME of PICTURE.

1 Push MENU BUTTON and choose TIMER in MENU GROUP.

2

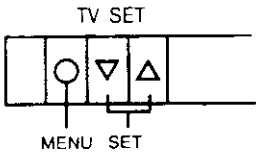
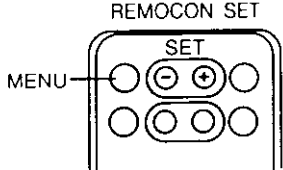



- When you push SET ± button, TIMER GROUP will be shown. Choose a day of week, AM/PM, TIME and minute. Correct the time by SET ± button.

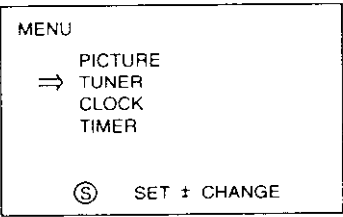
AUTO-SEARCH HOW TO CONTROL AUTO SEARCH AND STORE

This unit automatically search and store up to 40 broadcasting channels into channel position numbers from 0 to 39 in order VHF-L, VHF-H and UHF.

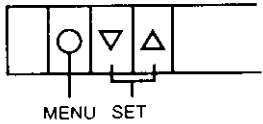
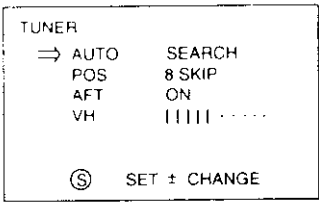
1 Push MENU button on TV or remote control.

2 After MENU GROUP being shown on the PICTURE. Push MENU button again. The arrow will move to TUNER.



3 After selecting TUNER GROUP, push SET ± button, the arrow will indicate auto search.

4 When the arrow mark auto search, push SET ± button. The notchmark on below side will move to right side and store VL, VH and UHF from channel 0 to 39 automatically.

* TUNER group on the PICTURE will be disappeared soon after finishing the store.

HOW TO ASSIGN A STORED TV CHANNEL TO A CHANNEL POSITION.

Assigning a stored TV channel to a channel position is needed to unify real broadcasting channel because stored channel by AUTO SEARCH is not matched with real broadcasting channel. Assigning from high channel is recommended when you assigning stored TV channels to channel positions.

Ex) When you want to assign the auto stored channel 8 on the picture (real broadcasting channel 9) to program position 9.

STORED CHANNEL BY AUTO SEARCH	12	9	8	7	5	2	STORED FROM 0 to 39
THE CHANNEL WILL BE UNIFIED WITH REAL CHANNEL	↓	↓	↓	↓	↓	↓	THE CHANNEL THAT YOU WANT TO CHANGE
	11	8	7	6	3	2	

1 Choose the channel that you want to assign and press MENU button to show MENU GROUP.
Press MENU button again to choose TUNER in MENU GROUP.

8

MENU

PICTURE
⇒ TUNER
CLOCK
TIMER

Ⓢ SET + CHANGE

2 After selecting TUNER, push SET + or SET - button to show TUNER GROUP
Press MENU button to move cursor to indicate channel POS number.

TUNER

AUTO SEARCH

POS ⇒ 8

AFT ON

VH | | | | |

Ⓢ SET + CHANGE

● Change to channel POS 9 by using channel button. Delete SKIP with SET + or - button if number 9 marks SKIP in rear.

TUNER

AUTO SEARCH

POS ⇒ 9

AFT ON

VH | | | | |

Ⓢ SET + CHANGE

3 After selecting channel 9, move the cursor in front of bars (fine tuning) by using MENU button.
Press SET + or - button once to store auto stored channel 8 into program position number 9.

TUNER

AUTO SEARCH

POS 9

AFT ON

VH ⇒ | | | | |

Ⓢ SET + CHANGE

4

⇒ MENU SEARCH

AUTO 9

POS ON

AFT | | | | |

VH | | | | |

Ⓢ SET + CHANGE

MENU

⇒ PICTURE
TUNER
CLOCK
TIMER

Ⓢ SET + CHANGE

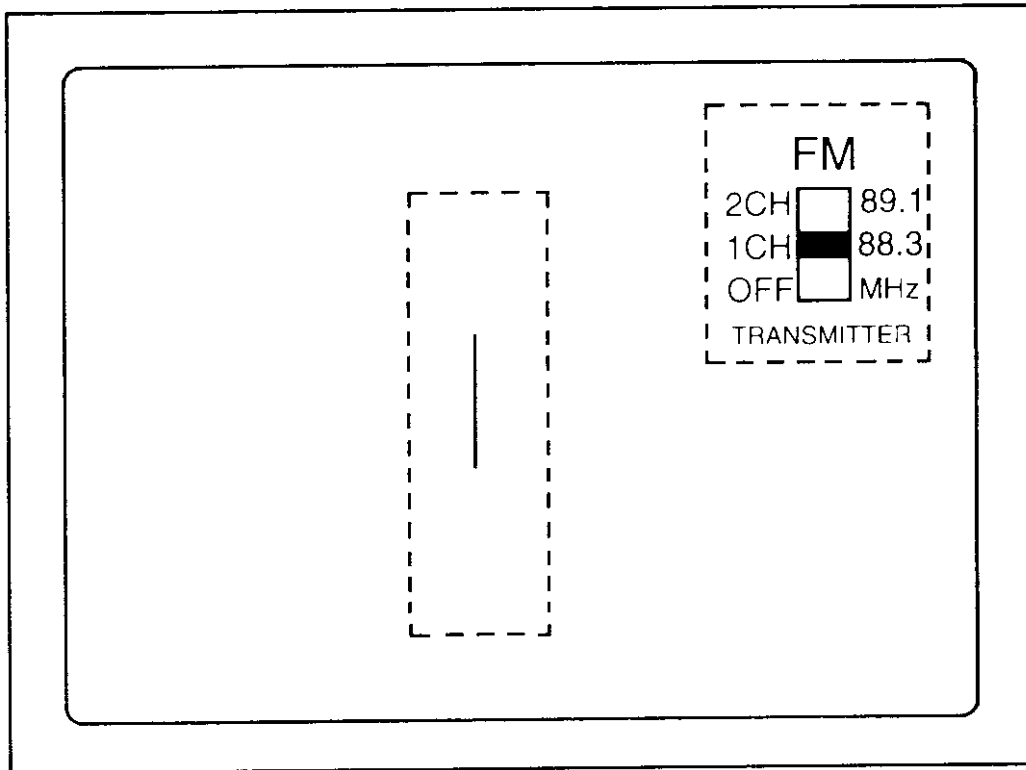
9

● To remove TUNER GROUP after assigning the channel, move the cursor to TUNER by using the MENU button. TUNER will change to MENU. Press SET + or - button to show MENU GROUP. Press MENU button 4 times, then TUNER GROUP will be disappeared.

Note : In order to escape from TUNER GROUP quickly after step3, you can proceed as follows;
Press volume UP or DOWN button and CHANNEL UP or DOWN button once each by using remote control (not by using buttons on the TV).
The selected channel 8 is assigned to channel 9 now.

Note : AUTO SEARCH and STORE is recommended for programming channels instead of MANUAL TUNING with FINE TUNING because MANUAL TUNING takes much longer time.

When you listen to the sound with FM radio. (A function of FM transmitter)



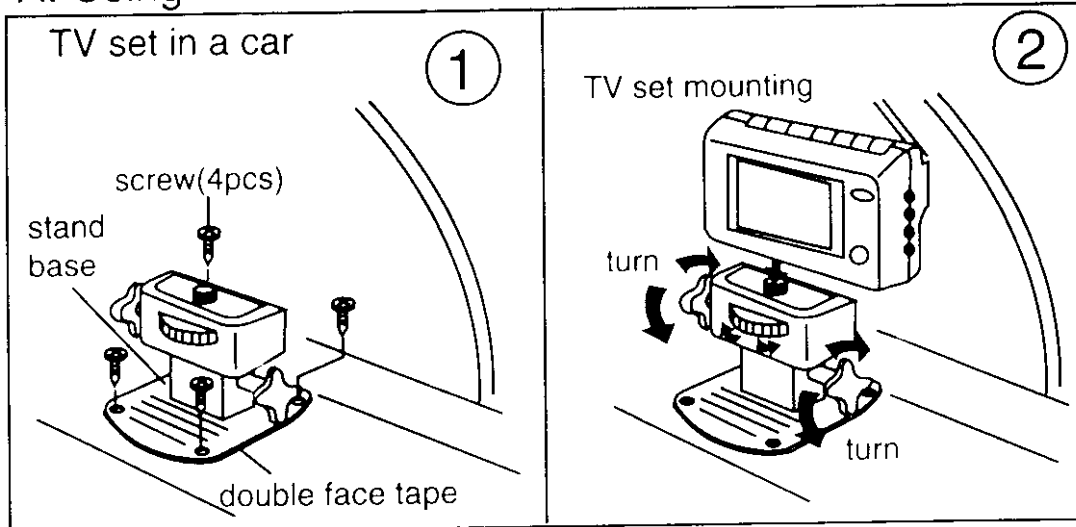
-Listen to the sound with utilization of FM radio. (A function of FM radio)

- OFF/1...88.3 MHz/2...89.1 MHz.
(Newly convert by three step)
- FM radio - Adjust the frequency to one of any direction of 1 or 2.
- The operating of volume adjust by side of radio.
- When you make use of FM transmitter, do stretch an color antenna of radio.

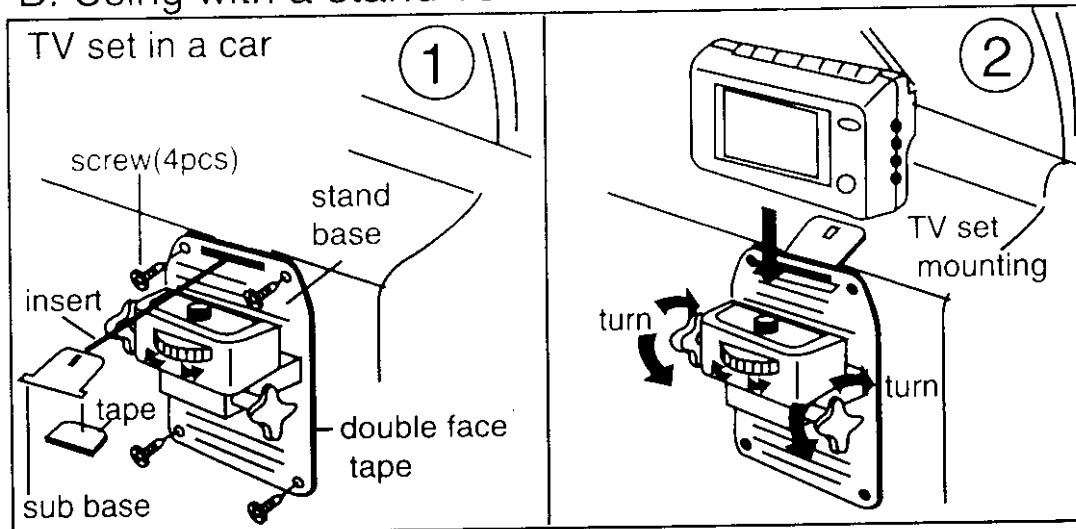
THE METHOD FOR STAND MOUNTING

- TV set in a car

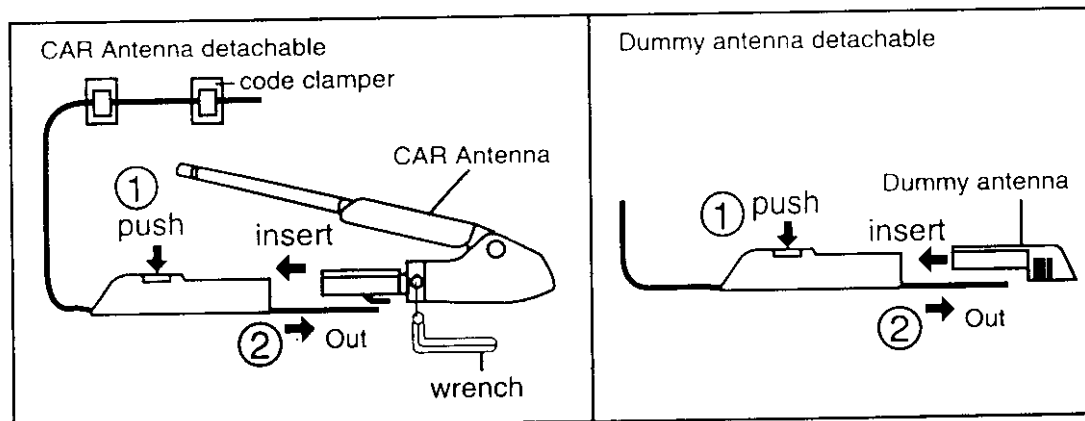
A. Using with a stand horizontal



B. Using with a stand vertical

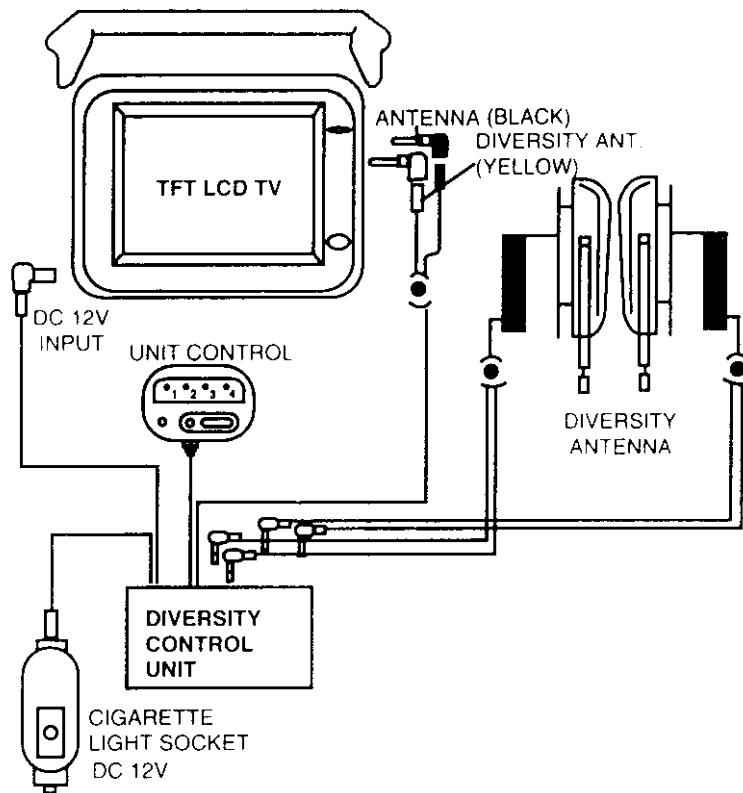


DIVERSITY ANTENNA DETACHABLE



TYPICAL CONNECTION DIAGRAM

- Diversity antenna connection in a car.



SPECIAL FEATURES

AUTO MUTE

If no broadcast signal or strong noise gets into a receiving channel, the audio becomes mute automatically.

BLUE SCREEN

If no broadcast signal or noise gets into a receiving channel, after 10 seconds the screen will be automatically replaced by a blue screen.

LAST MODE MEMORY

Even though the main power is cut off and the unit is plugged in again, this unit keeps the memory of last mode.

AUTO SWITCH OFF

If no broadcast signal or strong noise gets into a receiving channel continuously for more than 10 minutes, the TV switches automatically to stand-by.

CLOCK AND TIMER RESET

When the unit is cut from main power, the setting of CLOCK and TIMER will be reset. Rearrange the setting when the unit is newly plugged in main power. On stand by mode (switch off), the unit retains the setting.

MEMORY CAPACITY

This unit stores a maximum of 40 TV channels in position numbers from 0 to 39.

SPECIFICATIONS

4" TFT LCD COLOR TV

Picture size : 4" (W80.7mm X H60.0mm)

Television systems : NTSC

Channel coverage : VHF channel LOW CH 2-6
HIGH CH 7-13
UHF channel 14-69

Antenna : Telescopic antenna for VHF and UHF.
75-ohm external antenna jack for VHF and UHF.

Speaker : 28mm dia.

Audio out : 200mm (280mw)

Power requirements : 120VAC/60Hz with supplied AC power adaptor.
12V DC car battery with car battery cord.

Dimensions : 150(W)X46(D)X120(H)mm

Weight : 470g (NET)

Accessories supplied : AC power adaptor 1pc
Remote control unit 1pc
Antenna matching unit 1pc
Car battery cord 1pc

Option Accessories : TV stand 1pc
Diversity antenna (L/R) 1pc
Diversity control unit 1pc
(In this case, car battery cord will not be supplied)

Due to continuous improvements, features and design could be subject to variations without