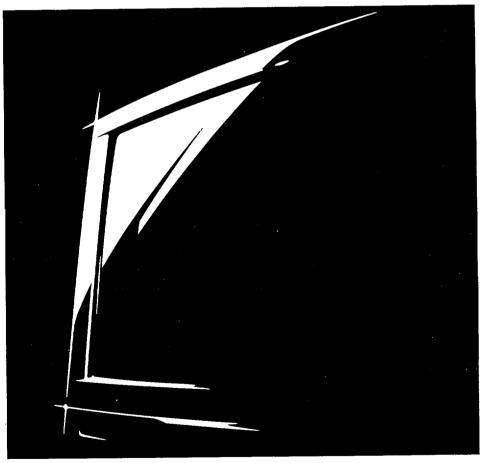
# TOSHIBA

# Color Television OWNER'S MANUAL

# CF32F50/CF35F50



BASIC OPERATION PREPARATION

SET UP

**ADVANCED OPERATION** 

EQUIPMENT CONNECTIONS

REFERENCE SECTION

©TOSHIBA CORPORATION, 1996

#### Dear Customer

CongratulationsL You have purchased one of the finest Color TV's on the market

This manual will help you use the many exciting and useful features to make your TV viewing more enjoyable than ever before.

Before operating your TV set, please read all these safety and operating instructions completely and then retain for future reference.

#### **Customer's Record**

You will find the model number and serial number on the back of your TV set.

Record these numbers in the spaces provided below. Refer to them whenever you call upon your TOSHIBA dealer regarding this product.

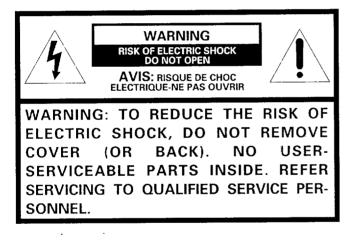
#### Model Number

Serial Number

# Safety Precautions

#### WARNING:

TO REDUCE THE RISK OF FIRE OR ÉLECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.





The lightning symbol in the triangle tells you that the voltage inside this product may be strong enough to cause an electric shock. DO NOT TRY TO SERVICE THIS PRODUCT YOURSELF.



The exclamation point in the triangle tells you-that important operating and maintenance instructions follow this symbol.

This TV set may be used only with TOSHIBA stand shown on page 37. Use with other stands may result in instability causing possible injury.

#### **CAUTIONS:**

TO PREVENT ELECTRIC SHOCK, DO NOT USE THIS POLARIZED PLUG WITH AN EXTENSION CORD RECEPTACLE OR OTHER OUTLET UNLESS THE PRONGS CAN BE FULLY INSERTED INTO THE OUTLET TO PREVENT ANY EXPOSURE OF THE PRONGS ON THE POLARIZED PLUG.

### **ATTENTION:**

POUR PRÉVENIR LES CHOCS ÉLECTRIQUES, NE PAS UTILISER CETTE FICHE POLARISÉE AVEC UN PROLONGATEUR, UNE PRISE DE COURANT OU UNE AUTRE SORTIE DE COURANT, SAUF SI LES LAMES PEUVENT ÊTRE INSÉRÉS À FOND SANS EN LAISSER AUCUNE PARTIE À DÉCOUVERT.

Avoid displaying stationary images on your TV screen for extended periods of time. Stationary patterns generated by PIP display, computer displays, video games, stock market reports, etc. can become permanently engrained on the picture tube. This damage is not protected by your warranty as it is the result of misuse. Should you wish to use your TOSHIBA Television to display still images, it is always advisable to reduce brightness and contrast settings. Never leave a PIP display, a computer or video game display unattended.

### NOTE TO CATV SYSTEM INSTALLER IN THE USA:

This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

# **Table of Contents**

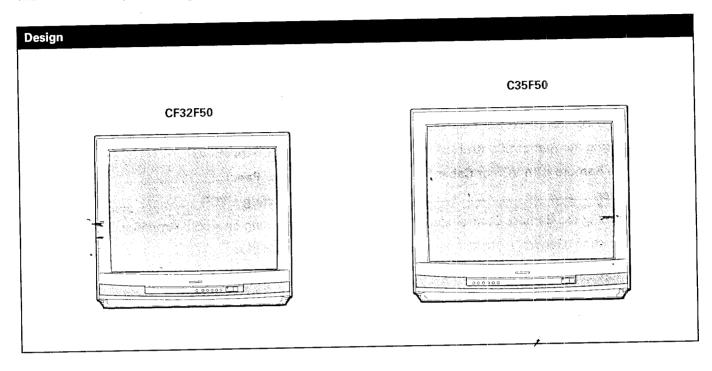
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This manual applies to models CF32F50 and CF35F50, and there are slight differences among them. The front and rear panel illustrations are based on CF35F50. Check the model of your TV before using this manual.



# Installing your TV

### Where to install

Place the TV on the floor or on a sturdy platform. The mounting surface should be flat and steady.

## Lighting

Do not place the TV in a room where direct lighting strikes the screen. Use soft and indirect lighting.

### Air circulation

Place the TV far enough from the walls to allow proper ventilation. This will prevent the TV from overheating and avoid possible damage to the TV. • Avoid dusty places too.

## Power supply

Plug into an electrical outlet with standard household power (120 volt AC, 60Hz). Do not change the plug's safety prong. See the right column.

## WARNING :

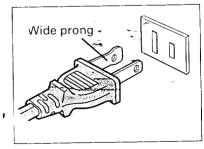
TO AVOID PERSONAL INJURY

- Do not stand or climb on the TV.
- Do not put a VCR or any heavy object on top of the TV.

### **CAUTION**:

As a safety feature, the plug has one prong wider than the other. It will fit only one way into a standard electrical outlet. If the plug will not fit into the outlet, try turning it around. If the plug will not fit either way, the outlet is probably old and non-

standard. You will need to have a new outlet installed by an electrician. DO NOT CHANGE THE SAFETY FEATURE OF THE ' PLUG.



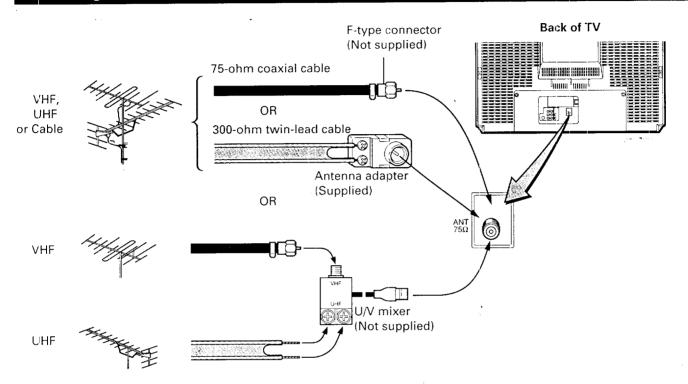
You can use either an indoor or outdoor antenna to receive VHF and/or UHF channels.

Channels 2 - 13 are VHF channels, and channels 14 - 69 are UHF channels.

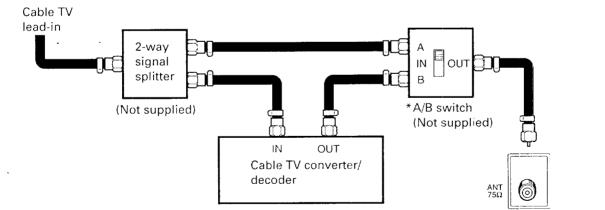
We recommend using an outdoor antenna for better picture quality.

You can receive Cable TV by connecting a cable supplied by your local cable company.

#### Connecting an antenna or Cable without a decoder box



#### Connecting a Cable with a decoder box



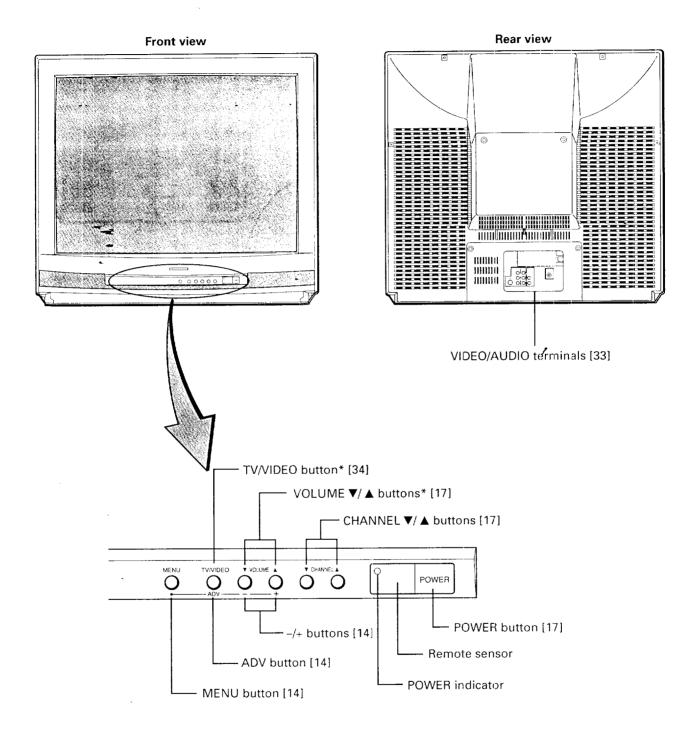
#### Notes:

- \* "A" position on the A/B switch allows you to select unscrambled channels using the TV's channel keys.
   "B" position allows you to select scrambled channels via the converter/decoder box using the converter's channel keys. Place your TV on channel 3 or 4 to match the converter's output channel.
- If you use a VCR, connect its antenna in/out between the decoder box and A/B switch.

SET UP

# Location of Controls (TV Set)

For specific use of each control, consult the corresponding page numbers in brackets.



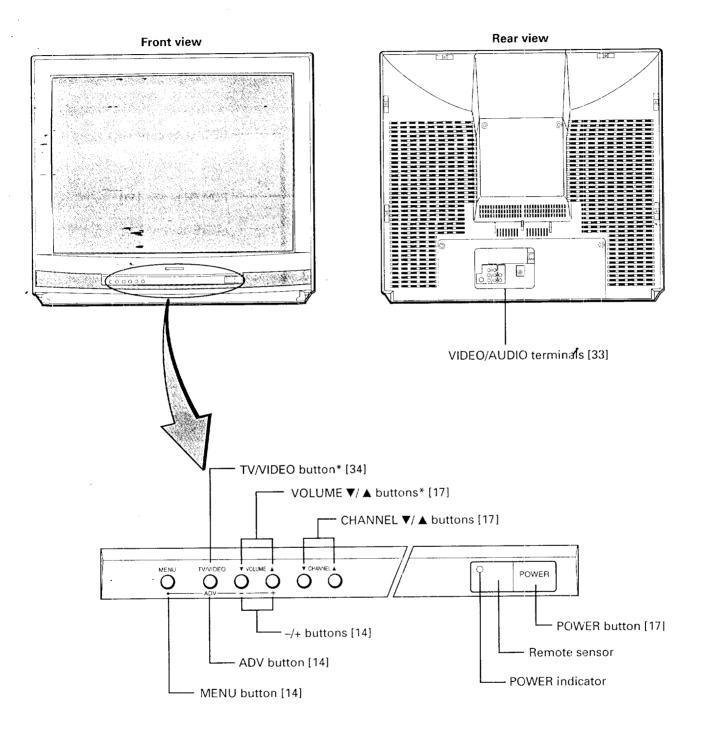
\*Dual function buttons

6

PREPARATION

Location of Controls (TV Set)

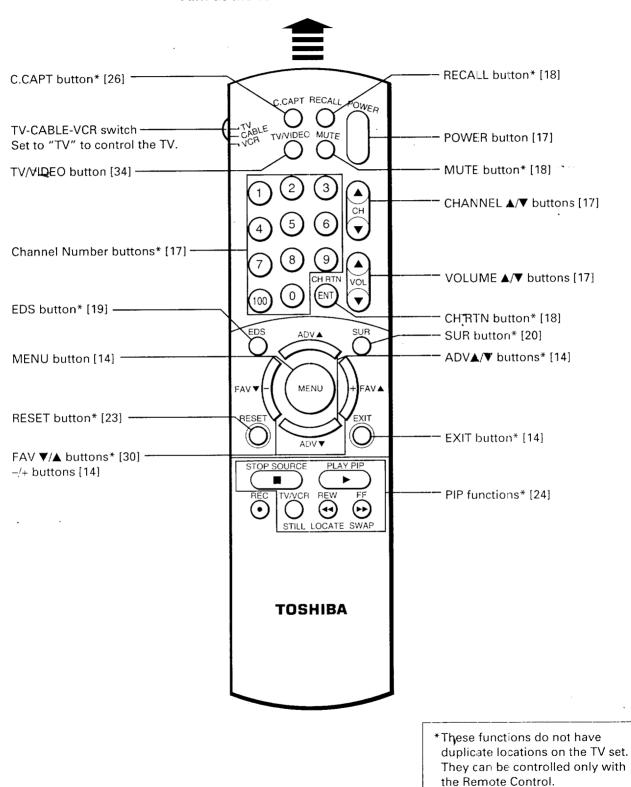
For specific use of each control, consult the corresponding page numbers in brackets.



-\*Dual function buttons

7

Only the buttons that are used to operate the TV set are described here. For details on the use of each control, refer to pages in brackets.



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Aim at the remote sensor on the TV

#### Introductions

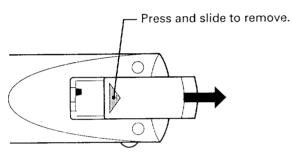
- With this Remote Control, you can operate your TV and most models of remote-controlled VCR's and Cable TV converters even if they are different brands. However, this Remote Control must be programmed to control other brands of VCR's and/or Converters. If you will be using your TV set with a TOSHIBA VCR, your remote has already been preprogrammed for you.
- Before attempting to operate your Remote Control, Firistall the batteries according to the section "Installing and replacing batteries" shown below.
- For more detailed instructions, see the section "Programming the Remote Control" on page 11.

#### Notes:

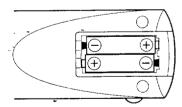
- After installing new batteries, the Remote Control will set itself to the codes for TOSHIBA's TV and VCR. If you are using the Remote Control to operate equipment that uses different codes, it will have to be reprogrammed for those codes.
- This Remote Control may have functions not available on the original remote control.
- These functions may or may not operate your VCR or Cable TV Converter. Refer to the owner's manuals supplied with the equipment to see which functions are available.
- The remote control supplied with your VCR or Cable TV Converter may have keys not duplicated on this Remote Control. If these functions are desired, the original remote will have to be used.

### Installing and replacing batteries

1 Place the Remote Control with the face down. Press down on the ridged area of the battery cover and slide it off.



2 Place two "AAA" size batteries, matching the + and - signs on each battery to the + and - signs of the battery compartment.



3 Replace the battery-over until the lock snaps.

#### CAUTION:

- Do not throw your batteries into a fire. Dispose of your batteries in a designated disposal area.
- Do not combine used old batteries with new ones.
- Do not mix battery types.

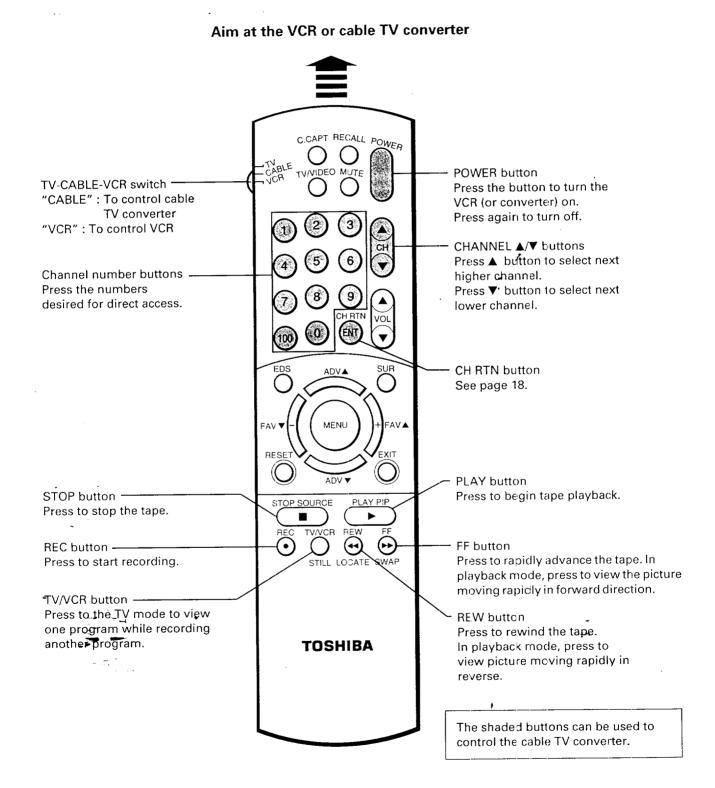
#### Tips for Best Operation

- For optimum performance, aim the Remote Control directly at the TV from a distance of no more than 16 ft (5m) and be sure there is no obstruction between the Remote Control and the TV.
- If your Remote Control does not always adjust the TV as you wish, you probably need to replace the batteries.
- Remove dead batteries immediately to prevent battery acid from leaking into the battery compartment.
- If you do not intend to use the Remote Control for a long period, remove the batteries.

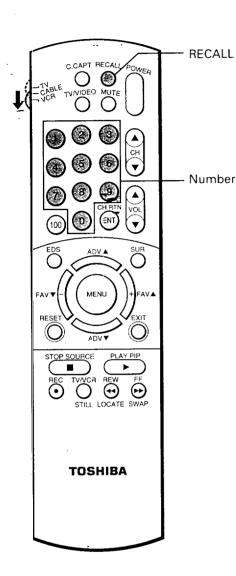
# Using the Remote with VCR or Cable TV Converter

- To control a TOSHIBA VCR, first set the TV-CABLE-VCR switch to "VCR" position. The buttons shown below will then control the VCR. The rest of the buttons operate the TV as usual.
   If you have another brand of VCR, you can probably program your Remote to control it.
   Details are on page 11.
- To control a cable TV converter, this Remote Control must be programmed to recognize the brand of your converter.
   See page 11.

Set the TV-CABLE-VCR switch to "CABLE" position whenever you control the cable TV converter.



- This Remote Control is preprogrammed to operate TOSHIBA VCR's.
- To use VCR's other than Toshiba models (or Cable converter), perform the following procedures before operating.



### Controlling other brands of VCR's and cable TV converters

1 Refer to the *"VCR code table"* (or *"Cable TV converter code table"*) on pages 10 and 11 to find the code number that corresponds to the brand name of your VCR (or your converter).

If more than one number is listed, try each one separately until you find the one that works.

- 2 Set the TV-CABLE-VCR switch to "VCR" (or "CABLE").
- **3** Hold down **RECALL** while pressing the **Number** buttons for the three digit code number for your brand of VCR (or converter).
- 4 Point the Remote Control at the VCR (or at the converter) and press POWER to test the code number.
  - -If the right number was entered, the VCR (or the converter) should turn on.
  - -If the VCR (or the converter) does not respond to the Remote Control, repeat steps 1 to 4 with another code number.

#### Notes:

- You have to reprogram the Remote Control when you change its batteries.
- Some newer VCR's are capable of working on either of two remote codes. These VCR's have a switch labeled "VCR1/VCR2".
- If your VCR has this kind of switch, and does not respond to all the code numbers for your VCR brand name, set the switch to another position ("VCR1" or "VCR2") and reprogram the Remote Control.

For future reference, write the code you used.

VCR CODE:

CABLE CODE:

PREPARATION

 In some rare cases, you may not be able to operate your non-Toshiba equipment with the supplied Remote Control. This is because your equipment may use a code that is not provided with this Remote Control. In this case, please use the equipment's own remote control.

#### VCR code table

BRAND NAME	CODE NUMBER
Adventura	019 -
Aiko	
Aiwa	
Akai	060,068,080,125,
	261
Akiba	
Alba	039,228,297,314
American High	054
Amstrad	019
Anam	
Anitech	
ASA	
Asha	
Asuka	
Audiovox	
Baird	
Basic Line	
Beaumark Bell & Howell	
Blaupunkt	
Brandt Broksonic	
Bush	
Calix	
Canon	
Capehart	. 004 N39
Carver	100
CCE	
CGE	
Cimline	
Citizen	
Clatronic	
Colt	
Condor	
Craig	. 056,066,091,259
Crown	
Curtis Mathes	. 054,079
Cybernex	
Daewoo	
Dansai	. 091
Daytron	
De Graff	
Decca	. 019,100
Dual	. 060 •
Dumont	. 019,100,123,124
Dynatech	. 019
Elcatech	
Electrohome	
Electronic	
Electrophonic	
Emerex	
Emerson	019,021,056,062,
	080,087,140,203,
	227,228,230,231,
	313,314,380

ESC	297
Ferguson	
Fidelity	019
Finlandia	100 122 129
Finlux	
	124
Firstline	056,062,064,091,
	228
Fisher	
FISHEI	
	123
Frontech	
Fuji	. 052,054
Funai	. 019
Garrard	
GE	
GEC	
General	
Go Video	. 251,298
Goldstar	. 037,056,057
Goodmans	
	091,297
Gradiente	
Graetz	
Granada	. 065,100,123
Grandin	
Grundig	
Harley Davidson	
Harman/Kardon	
Harwood	
Hcm	. 091
Headquarter	. 065
НІ-Q	
Hinari	
Hitachi	
	124,254
Hypson	. 091
Imperial	019
Interfunk	. 100
ITT	. 060,065,123,125
ITV	
JCL	
Jensen	
JVC	
Kaisui	
Kendo	125,228
Kenwood	057,060,065,086
KLH	
Kodak	
Korpel	
Korper	
Leyco	091
Lloyd	019
Loewe	
Loewe Opta	100
Logik	
Luxor	062.065.123.125
LXI	
M-Electronic	
wi-electronic	013

Magnavox	. 019,054,058,100,
0	129,168
Magnin	. 259
Manesth	
Marantz	. 054,057,081,100,
Marta	. 056
Masushita	
Matsui	
MEI	. 054
Memorex	
	065,066,067,123,
	259
Memphis	091
Metz	181
MGA	062;080
MGN Technology	
Minolta	061,124
Mitsubishi	062,080,086,094,
	100,192,233,261,
Motorola	054,067
Motorola MTC	019,259
Multitech	019,091
Murphy	019
NEC	057,059,060,069,
	086
Neckermann	100
Nesco	091
Nikko	056
Noblex	259
Nokia	060,065,123,125,
	259
Nordmende	060
Oceanic	019
Olympus	054
Optimus	056,067
Optonica	067,081
Orion	
Osaki	019,056,091
Otto Versand	100
Palladium	
Panasonic	
	244
Penney	054,056,057,059,
	061,073,259
Pentax	
Perdio	
Philco	054 🛴
	054,081,100,129
Phonola	
Pilot	
Pioneer	
Portland	
Profitronic	
Proline	
Protec	
Pulsar	
Pye	100

Quartz ..... 065 Quasar ..... 054,096,115 Quelle ..... 100 Radio Shack ...... 019,056 Radiola ..... 100 Rad x ..... 056 Randex ..... 056 096,115,124,125, 066,067,081,085, 123,259 • Rex ..... 060 Ricoh ..... 053 Roadstar ..... 056,091,259,297 Runco ..... 058 Saba ..... 060 Saisho ..... 227,228 Salora ..... 062,065,125 Samsung ..... 064,259 Sanky ..... 058,067 Sansui ..... 060,086 Sanyo ...... 065,066,123,259 SBR ..... 100 Schaub Lorenz ...... 019,060 Schneider ..... 019,091,100,129 Scott ...... 062,064,140,203, 229,230,231 Sears ...... 054,056,061,065, 066,073,085,123, 124 SEG ..... 259 SEI ..... 100 Seleco ...... 060 Sentra ..... 039 Sharp ..... 067,081 Shintom ..... 091 Shogun ..... 259 Siemens ..... 056,123 Silva..... 056 Singer ..... 091 Sinudyne ..... 100 Sünstar ..... 019 Sylvania ...... 019,054,062,100, 129 Symphonic ..... 019 Tandy ..... 019,123 Tashiko ..... 019 Tatung ..... 019,060,100 -Teac ..... 019,060 Technics ..... 054,181

Teknika ...... 019,054,056,071 Teleavia ..... 060 Telefunken ..... 060,206 Tenosal ..... 091 Tensai ..... 019 Thomson ..... 060 Thorn ...... 060,123 ТМК ..... 227,259 Toshiba ...... 060,062,064,085, 229,231,385 Triumph ..... 227 Unitech ..... 259 Universum ...... 019,056,068,100, 125 Vector ..... 064 Vector Research .... 057,059 Victor ..... 027,060,086 Video Concepts ..... 059,064,080 Videosonic ..... 259 Wards ..... 019,054,061,066, 067,081,091,168, 231,259 XR-1000 ..... 019,054,091 Yamaha ..... 057,060 Yamishi ..... 091 Yokan ..... 091 Yoko ..... 039,259 Zenith ..... 052,053,058

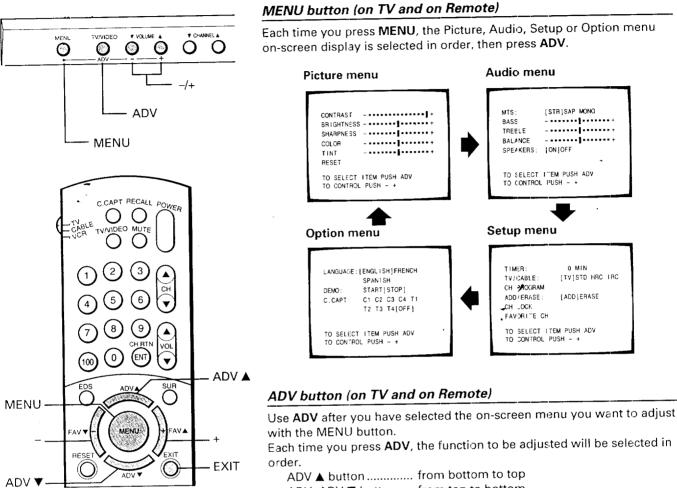
#### Cable TV converter code table

**BRAND NAME** CODE NUMBER

ABC	020,022,026,030,
	032,033,036,066
Antronix	041
Archer	041,058,172
Belcor	075
Cable Star	075
Cabletenna	041
Cableview	041
Century	172
Citizen	
Colour Voice	044,050
Comtronics	059,079
Contec	038
Eastern	. 021
Garrard	
GC Electronics	035,075
Gemini	034,089
General	
Instrument	
Hamlin	
	292
Hitachi	. 030

Hytex Jasco Jerrold	. 172
Macom Magnavox Memorex Movie Time NSC Oak Panasonic Paragon	. 046 . 019 . 175 . 089,175 . 026,038,267 . 040,126
Philips Pioneer	. 044,046,047,048, 049,050,079,172
Popular Mechanics Pulsar PVP Stereo	
Visual Matrix RCA Regal	. 040 . 039,278,292
Regency Rembrandt Runco	. 030,089 . 019
Samsung Scientific Atlanta .	. 025,027,036,296 346
Signal Signature SL Marx Sprucer Standard	030 059
Components Starcom Stargate Starquest	022,034,066 034,059 034
STS Sylvania Teleview Texscan Tocom	020 059 020
Toshiba Tusa Unika	019 034 . 041,1 <u>7</u> 2
United Artists United Cable Universal	. 022
Viewstar Zenith,	046,079,230

We suggest you familiarize yourself with the procedure before using the Menu function. To adjust any TV feature, the use of the Menu function is required. The adjustments that can be made to the TV appear on the screen.



ADV ▲ button ..... from bottom to top ADV, ADV ▼ button .... from top to bottom

The selected function will be displayed in magenta.

### – /+ buttons (on TV and on Remote)

Use - /+ to adjust the function you have selected with the ADV button.

#### Notes:

- The ADV button on the TV will function as the TV/VIDEO button when no menu display is on the screen.
- The -/+ buttons on the TV will function as the VOLUME X/A buttons when no menu display is on the screen.
- The -/+ buttons on the Remote Control will function as the FAV V/A buttons when no menu display is on the screen.

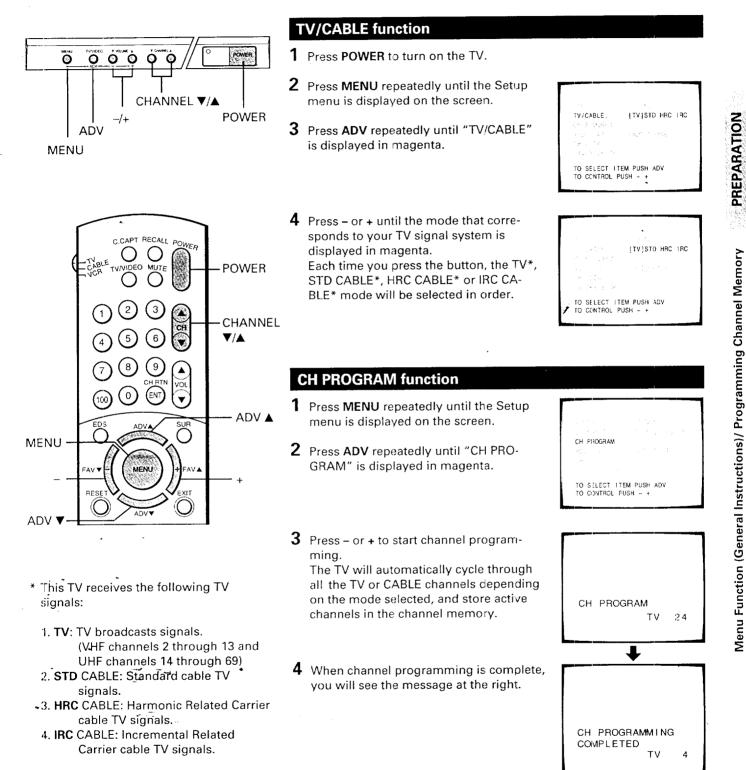
#### EXIT button (on Remote)

The above four menu displays will automatically disappear from the screen if no control has been operated for about 15 seconds. If you want to clear the screen of all on-screen displays instantly, press EXIT.

If you are not sure what CABLE system they are using, consult your local cable

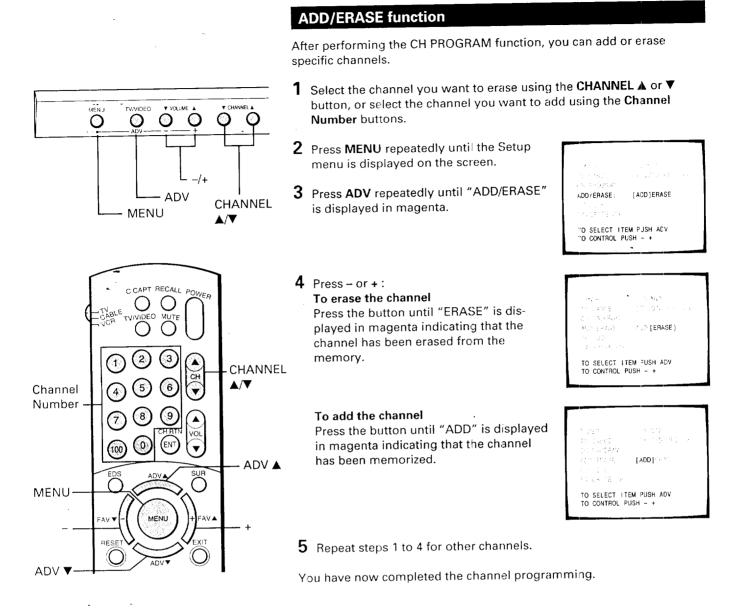
company.

The channel memory is the list of TV channel numbers your TV will stop on when you press the CHANNEL ▲ or ♥ button. **First, use the TV/CABLE and CH PROGRAM functions to preset all active channels in your area.** If necessary, arrange the preset channels with the ADD/ERASE functions so that you can tune into only desired channels.



5 Press CHANNEL ▲ or ▼ to make sure the channel programming has been done properly.

# **Programming Channel Memory (Continued)**

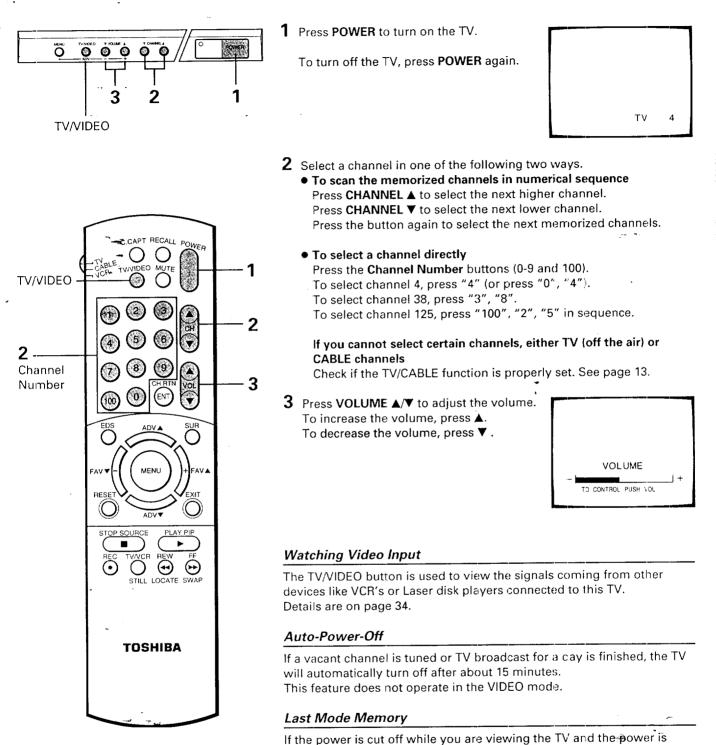


CABLE channel reference chart

																	1			
Number on this TV	1	5	6	14	15	16		34	35	36	37	38		60	61	62	63	64	65	66
Correspond- ing CABLE channel	A-8	5(A-7)	6(A-6)	А	В	С …		U	V	W	AA	BB		xx	YY	ZZ	<b>AAA</b>			66
Number on this TV	67-	68	69…		···•92	93	94	95	96	97	98	99	100	101	11.56.2	은 강태에 같다.	123		-125	
Correspond- ing CABLE channel	67	68	69		····92	93	94	A-5	A-4	A-3	A-2	A-1	100	101	102		123	124	125	

The above chart is typical of many cable system channel allocations. If in doubt, consult your cable company.

First set the TV-CABLE-VCR switch on the Remote Control to "TV" position.



resupplied, the TV is turned on automatically by the *Last Mode Memory* feature. If the power is going to be off or when you leave home for a long time, remove the power plug from the wall outlet to prevent the TV from turning on in your absence.

Note:

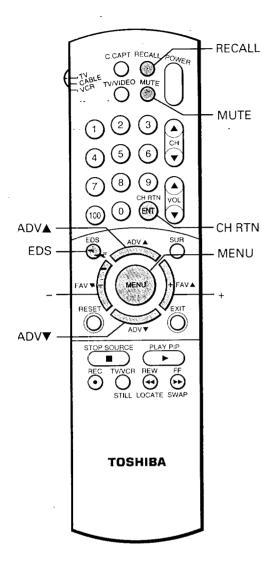
...

The VOLUME ▼/▲ buttons on the TV function as the -/+ buttons while any of the menu displays (Picture, Audio, Setup or Option) are on the screen.

PREPARATION

**BASIC OPERATION** 

Programming Channel Memory Watching TV Programs



### **Displaying on-screen information**

Press **RECALL** to display the following onscreen information.

- Channel number
- VIDEO mode selected
- Stereo or SAP audio status
- Closed Caption or Text program status

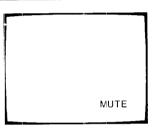
### STEREO SAP CAPTION TEXT TV 4

### Muting the sound

Press **MUTE** to mute the sound. The word "MUTE" will be displayed on the screen as shown. This is useful during telephone calls or other interruptions.

To restore the sound, press **MUTE** again.

Note: When the MUTE button is pressed, the Closed-Captioned feature "C1" is activated. ("MUTE" on-screen display will disappear.) To deactivate, press the MUTE button again. (This feature only functions when the Closed Caption mode is set to "OFF".)



#### Changing quickly between two channels

Press CH RTN to return to the last channel viewed.

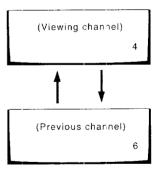
This is useful should you want to view two channels. This allows you to view two programs without entering an actual channel number each time.

#### To operate this function

- **1** Select the first channel you want to view.
- 2 Select the other channel with the Channel Number buttons.
- 3 Press CH RTN.

The previous channel will return.

Each time you press **CH RTN**, the TV will switch back and forth between the two channels.



### Setting the off-timer

With the off-timer, you can set the TV to turn off automatically after a predetermined period of time (up to 3 hours, in 10 minute units).

- **1** Press **MENU** repeatedly until the Setup menu is displayed on the screen.
- 2 Press ADV repeatedly until "TIMER" is displayed in magenta.



TO SELECT FIEM PUSH ADV TO CONTROL PUSH - +

30 MIN

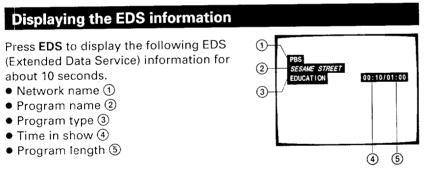
TIMER:

Press + or - to enter the length of time you want the TV to stay on.
 Each time you press the button, the time display will increase or decrease by 10 minutes.

 $0 \rightarrow 10 \cdots \rightarrow 170 \rightarrow 180 \text{ MIN}$ 

#### Notes:

- To cancel the off-timer, press **POWER**.
- To turn the TV on again, press POWER.
- The off-timer setting can also be performed using the MENU, ADV and -/+ buttons on the TV.



Some of the above information may not be displayed.

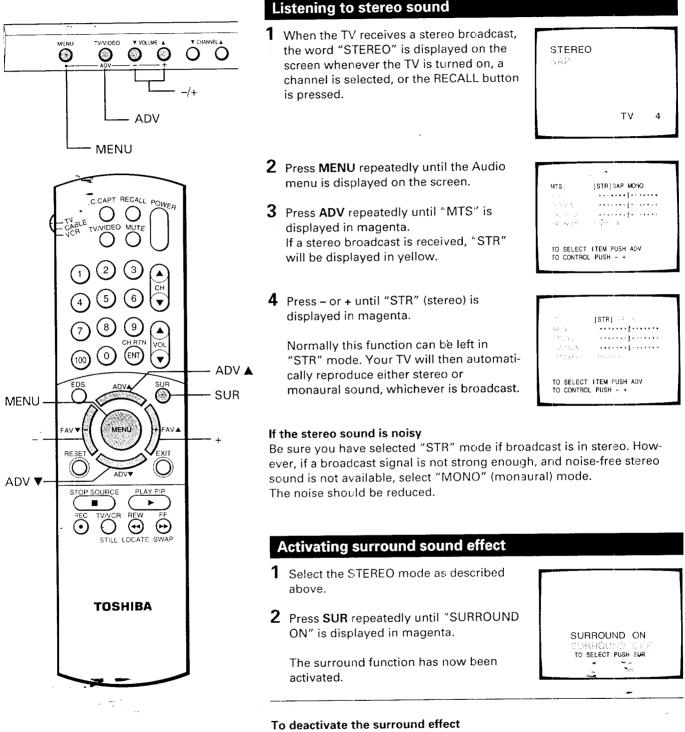
If the TV program you are watching does not include the EDS information

"NO EDS INFORMATION" will be displayed instead for about-10 seconds when you press EDS.



# Selecting Stereo/SAP Broadcasts

The MTS (Multi-channel TV Sound) feature allows you to improve your TV viewing with high fidelity stereo sound. This TV also allows you to activate or deactivate the stereo surround sound effect. MTS also provides for an extra channel, SAP (Second Audio Program), used to transmit a second language or other audio information.



Select "SURROUND OFF" in step 2 above.

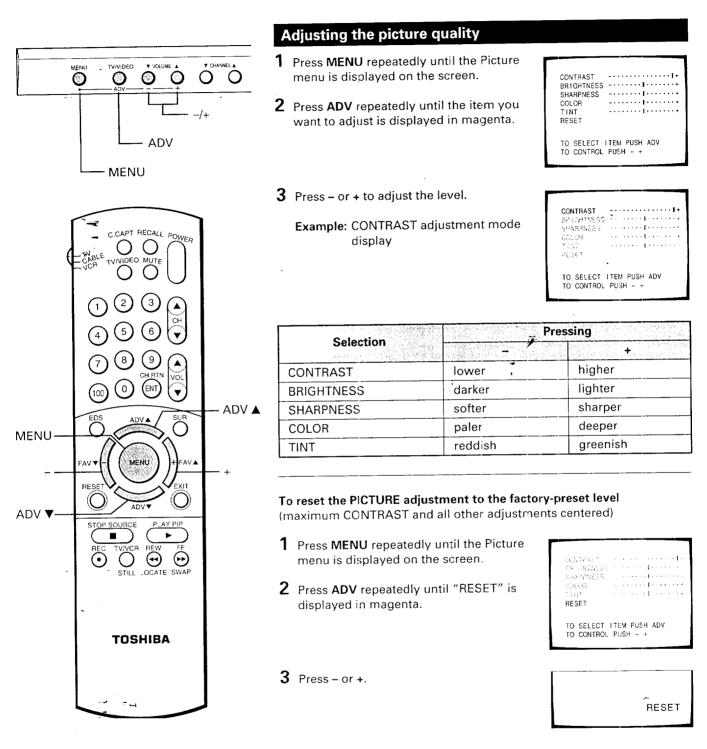
**Note:** Normally you can leave the "STR" mode turned on and the surround function activated. The TV will automatically produce either surround stereo or monaural, whatever is broadcast.

#### Listening to second language 1 When the TV receives a SAP broadcast, the word "SAP" is displayed on the STEREO SAP screen. т٧ 6 2 Press MENU repeatedly until the Audio menu is displayed on the screen. MTS: (STR)SAP MONO 3 Press ADV repeatedly until "MTS" is . . . . . . . . . . . . . . . . displayed in magenta. If a SAP broadcast is received, "SAP" will TC SELECT ITEM PUSH ADV TC CONTROL PUSH - + be displayed In yellow. 4 Press - or + until "SAP" is displayed in magenta. [SAP] You will hear only the second language \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* بدينا بإيتجنيه from the left and right speakers. 4+++++++ 74-13-24 . Sherker

Note: "MTS" in the Audio menu does not function in the VIDEO mode.

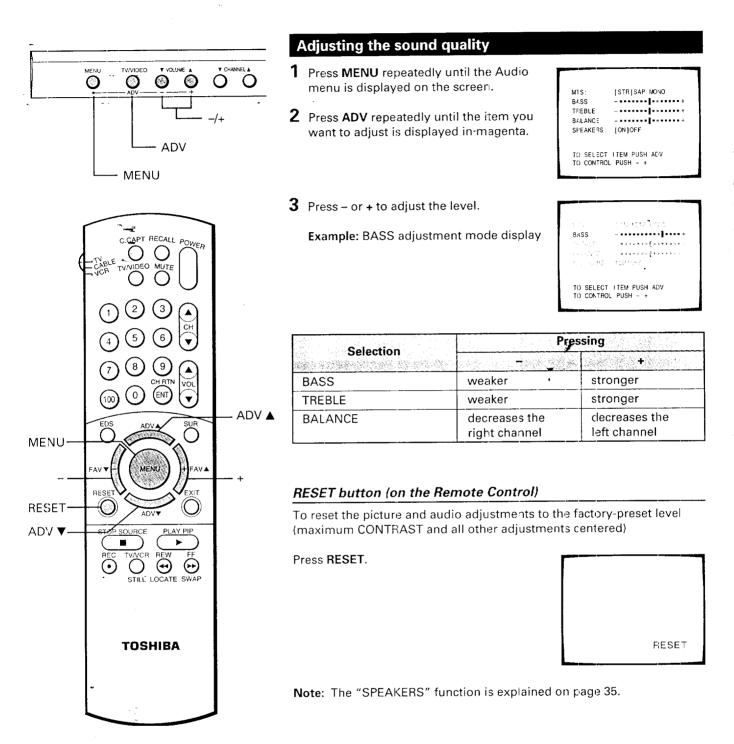
TO SELECT ITEM PUSH ADV TO CONTROL PUSH - + BASIC OPERATION

You can adjust the picture quality (CONTRAST, BRIGHTNESS, SHARPNESS, COLOR and TINT) to suit your taste.

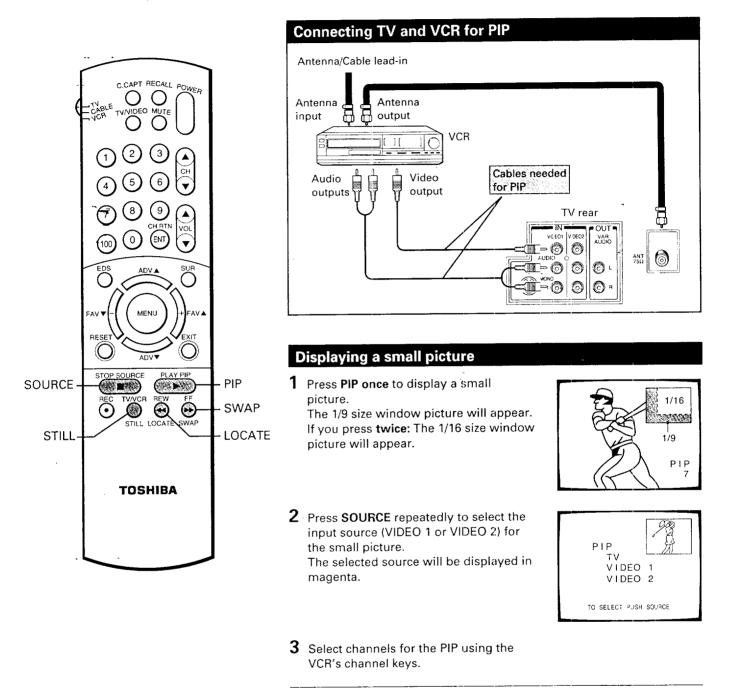


Note: You can also use the RESET button on the Remote Control. (See page 23.)

You can adjust the sound quality (BASS, TREBLE and BALANCE) to suit your taste.



In addition to the main picture, another TV program or video source being received through the VIDEO input jacks can be displayed simultaneously as a small picture. This is called PIP (Picture-in-Picture). **Be sure to connect a VCR with the VIDEO/AUDIO cables.** 

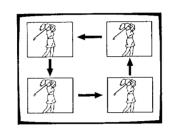


- To turn off the small picture, press PIP
- Twice, if you watch the 1/9 size window picture.
- Once, if you watch the 1/16 size window picture.

# Using advanced functions

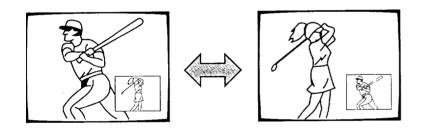
## To change the position of the small picture

Press LOCATE repeatedly when a small picture is displayed. The display position of the small picture will change in order.



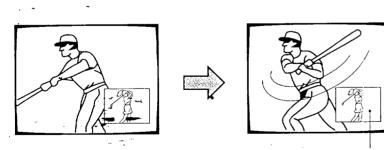
#### To switch the main and small picture

Press **SWAP** when a small picture is displayed. The main and small pictures will switch. To switch them again, press **SWAP** again.



#### To freeze the small picture

Press **STILL** when a small picture is displayed. The small picture will become a still picture. To return to a moving picture, press **STILL** again.



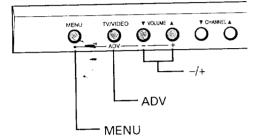
Still picture

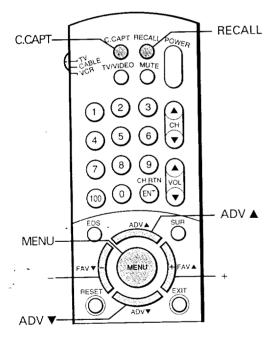
-



# **Using Closed-Captioned Function**







#### Note:

A closed-captioned signal may not be decoded in the following situations. - When a video tape has been dubbed.

- When the signal reception is weak.
- When the signal reception is nonstandard.

#### Viewing captions

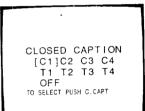
Closed-captioning is a printed version of the dialogue, narration, and/or sound effects of a TV program. Captions will appear at either the top or bottom of the screen during

captioned broadcasts as shown.

Captioning is especially helpful for hearing impaired individuals.

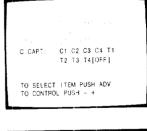
- 1 Select the desired program.
- 2 Press RECALL to check if the program is being captioned. If it is, the word "CAP-TION" is displayed on the screen. The captioned programs are usually notated on your local TV listings by its service marks such as "CC".
- CAPTION тν 4
- Press C.CAPT on the Remote Control to 3 call up the CLOSED CAPTION menu. Usable selections are displayed in yellow.

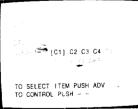
Press C.CAPT repeatedly until "C1", "C2", "C3" or "C4" is displayed in magenta. ("C1" stands for CAPTION 1, for example.) Select "C1" for translation of the primary language in your area. Select "C3" for captioning information usually of secondary languages. "C2" or "C4" carry Closed Captioning but not necessarily in the same time frame as the sound from the program.



You can also select this feature using the on-screen menu function.

- 1 Press MENU repeatedly until the Option menu is displayed on the screen.
- 2 Press ADV repeatedly until "C.CAPT" is displayed in magenta.
- 3 Press or + to select "C1", "C2", "C3" or "C4".





#### To deactivate this feature

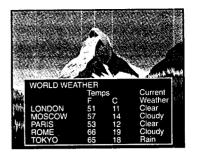
Select "OFF" in the closed caption mode display.

#### Viewing text

Text is information that is presented using from one half to full television screen. It is usually not related to the program. For example, it could be a listing of the closed-captioned programs, news, weather information or stock market reports. 1 Select the desired program.

**2** Press **RECALL** to check if the program Lincludes text information. If it is, the work "TEXT" is displayed on the screen.

d			
	TEXT	τv	13



**3** Press **C.CAPT** on the Remote Control to call up the CLOSED CAPTION menu. Usable selections are displayed in yellow.

Press C.CAPT repeatedly until "T1", "T2", "T3" or "T4" is displayed in magenta. ("T1" stands for TEXT 1, for example.)

You can also select this feature using the on-screen menu function.

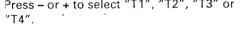
- 1 Press MENU repeatedly until the Option menu is displayed on the screen.
- 2 Press ADV repeatedly until "C.CAPT" is displayed in magenta.



CLOSED CAPTION [C1]C2 C3 C4 T1 T2 T3 T4 OFF

TO SELECT PUSH C.CAPT

3 Press - or + to select "T1", "T2", "T3" or "T4".



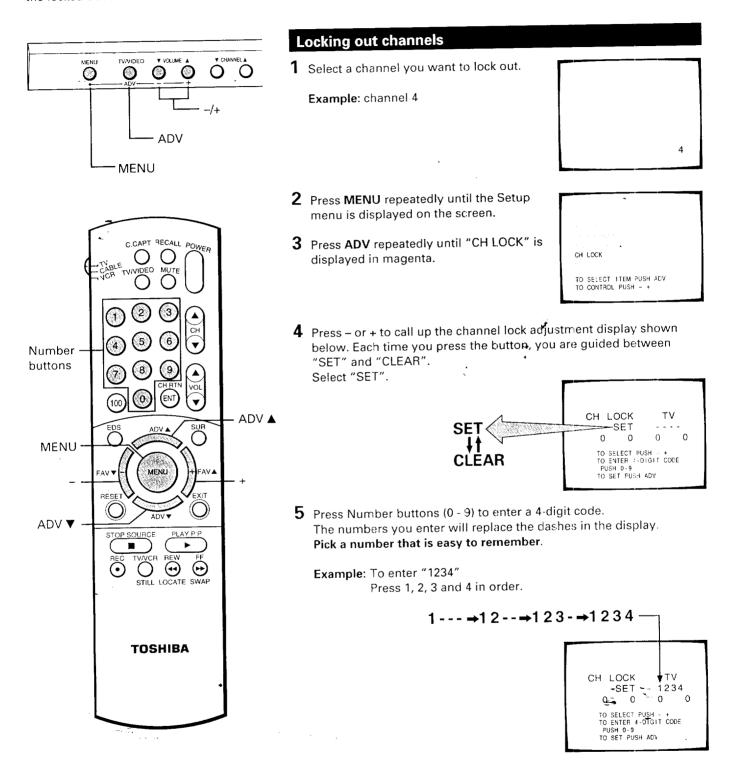
# (T1) T2 T3 T4 TO SELECT ITEM PUSH ADV TO CONTROL PUSH - +

To deactivate this feature

Select "OFF" in the closed caption mode display.

Note: If you select a closed-captioned channel and the "TEXT" mode, the TEXT screen always appears. However, TEXT characters are not displayed when no signal is aired.

With this function you can lock out specific channels (for example a channel that you do not want your children to watch) by entering your own 4-digit code. The TV will not be able to tune them for the next 24 hours, unless you cancel the locked out channels. This TV has 4 memory spaces total for the TV mode and CABLE mode respectively.



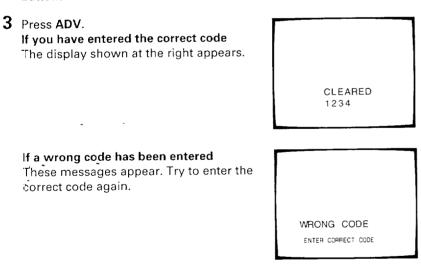
6 Press ADV to lock out the channel. The display at the right will appear on the screen for about 4 seconds.



- 7 Repeat steps 1 to 6 for other channels.
- This TV has 4 memory spaces total for the TV mode and CABLE rnode respectively.
- Note: If a different code number is used whenever you lock out a channel, the last one has priority over the preceding ones.
- 8 Select another channel, or turn off the TV if desired.

### **Restoring channels**

- **1** Select "CLEAR" following the steps 2 to 4 on the previous page.
- CH LOCK TV CLEAR -----0 0 15 2 2 4 TO SELECT PUSH - + TO ENTER 4-DIGIT CODE PUSH 0-9 TO SET PUSH ADV
- **2** Press the 4-digit code used to lock out the channels with the Number buttons.



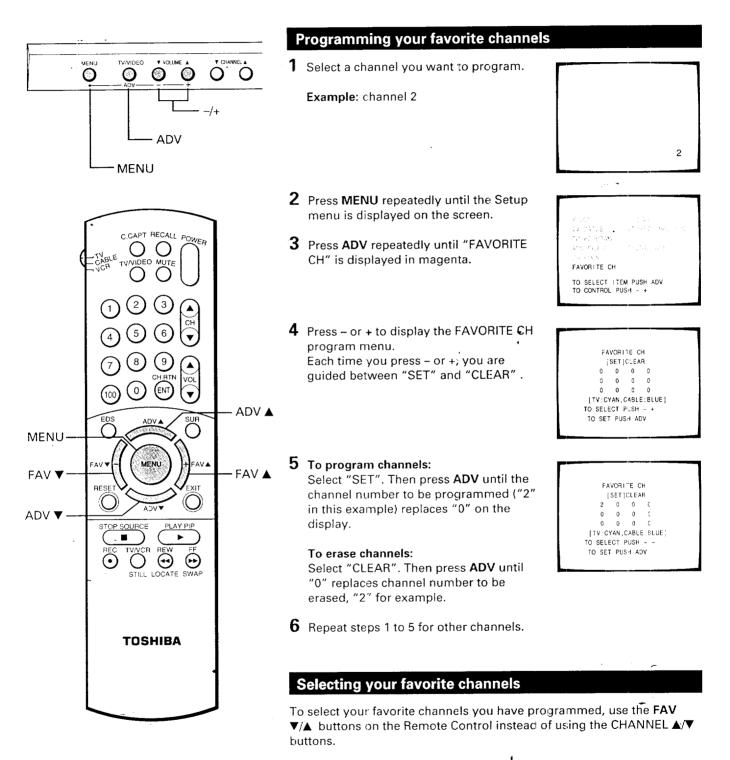
- If you want to know the channels you have locked out
- Call up the channel lock adjustment mode using the Setup menu.



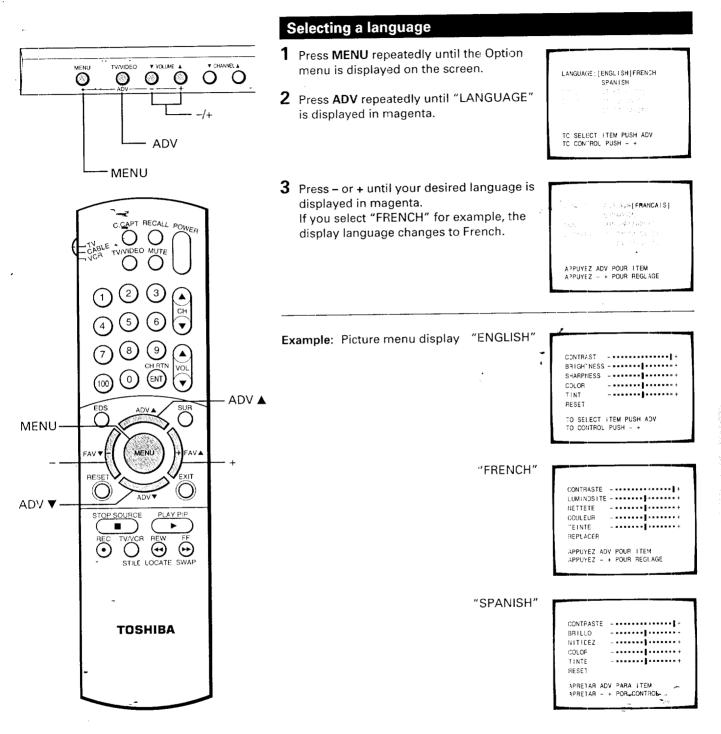
# **Programming Your Favorite Channels**

The Favorite Channel Programming feature allows you to program up to 12 of your favorite channels. Once programmed, you can use the FAV ▼/▲ buttons on the Remote Control to scan through only your favorite channels, skipping other channels you do not normally view.

You can use the CHANNEL ▲/▼ buttons to scan through all the channels you programmed into the TV's memory.



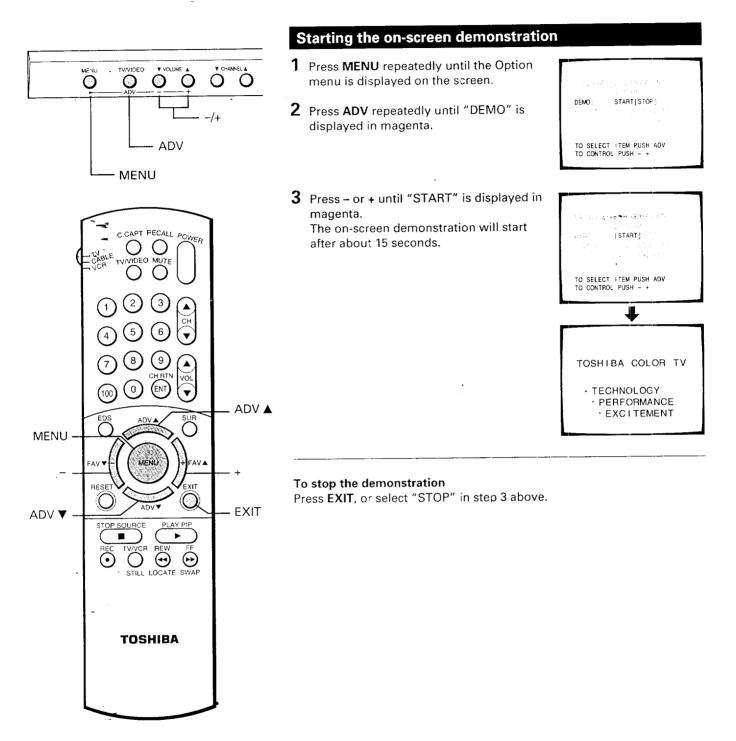
Note: The FAV ▼/▲ buttons cannot function if you have not programmed your favorite channels. Three different languages (ENGLISH, FRENCH and SPANISH) are available for the on-screen displays (adjustment menus, and messages), and you can choose the desired one.



**ADVANCED OPERATION** 

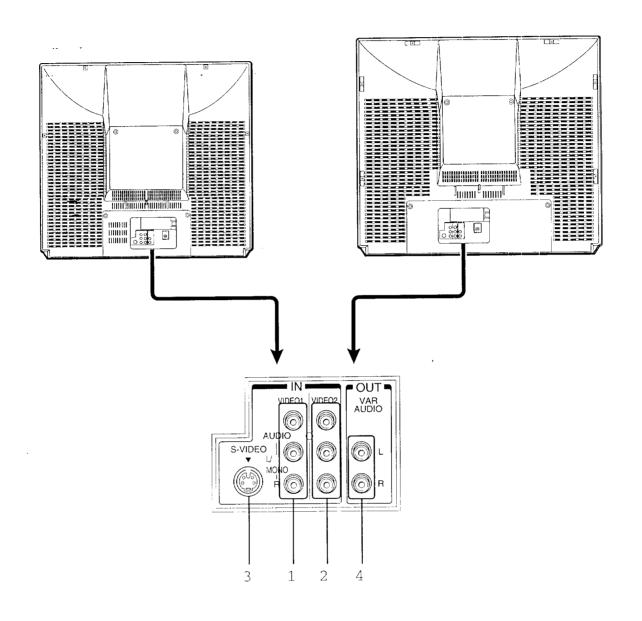
31

When this function is activated, your TV will automatically display a variety of its on-screen menus and special features. This function is provided for demonstration purpose only.



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This TV set is equipped with S-VIDEO IN jacks, VIDEO/AUDIO IN jacks and VARIABLE AUDIO OUT jacks for connecting your desired video/audio equipment.



- 1 2 **VIDEO 1/VIDEO 2 IN Jacks –** provide for direct connection of video devices (VCR, Laser disk player, Video Camera, etc.) with video/audio outputs. Connection details are on page 34.
- 3. S-VIDEO IN Jacks provide for direct S-video connection from an SWIS VCR or a Laser disk player. The TV's VIDEO 1 audio jacks can also be used to connect the VCR's audio cables. Connection details are on page 34.
- 4 **VARIABLE AUDIO OUT Jacks** feed volume-controlled stereo audio out from whatever is displayed on the screen, allows connection of audio amplifier and lets you adjust sound level with TV's Remote Control. Connection details are on page 35.

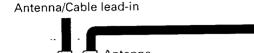
Demonstration Mode Monitor Panel

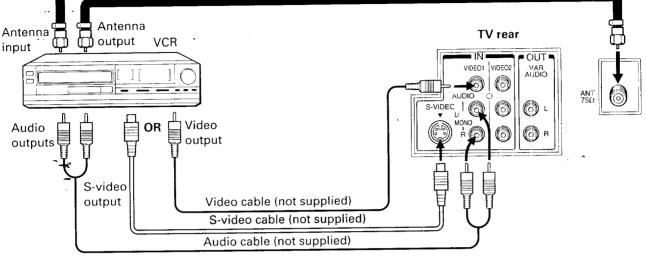
**ADVANCED OPERATION** 

EQUIPMENT

# **Connecting a VCR**

Connect VIDEO/AUDIO IN jacks on the TV rear to the video/audio output jacks of a VCR, (Laser disk Player, Video Camera, etc.) for playback of video material. The S-VIDEO jack is provided for direct S-video connection from VCR. When the S-video cable is connected to the S-VIDEO IN jack, the VIDEO plug should not be connected.





### **Preparing for use**

To operate your TV and video equipment properly, refer to the instructions furnished with the video equipment.

- 1 Turn the TV and VCR ON.
- Press TV/VIDEO on the Remote Control or on the TV to select the appropriate source.
  Each time you press the button, TV, VIDEO 1 or VIDEO 2 source will be selected in order.
  The selected source will be displayed in magenta.



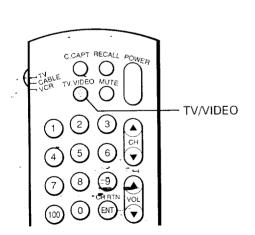
**3** Operate your VCR normally.

#### Notes:

CHANNEL

00

- The VIDEO 2 IN jacks can also be used for connecting a second piece of video equipment with video/audio outputs. To view video from equipment connected to the VIDEO 2 IN jacks, select "VIDEO 2".
- If you connect a monaural VCR, connect the audio output of the VCR to the L/MONO jack on the TV.
- The S-VIDEO jack accepts separated luminance/chrominance (Y-C) signals conforming to the NTSC standard.



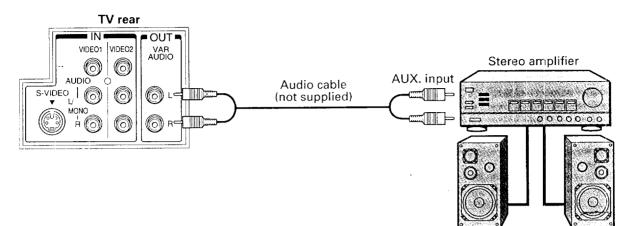
TV/VIDEO

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TV/VIDEO

Connect the VARiable AUDIO OUT jacks to the auxiliary input jacks on the stereo amplifier. You can control the audio level using the Remote Control for this TV.



#### Preparing for use

- 1 Turn the TV and the stereo amplifier ON.
- **2** Adjust the VOLUME buttons on the TV for a moderate listening level.
- **3** Disconnect the built-in speakers following the instructions at the right.
- **4** Adjust the volume control on the stereo amplifier for a moderate listening level.
- **5** Control of the audio can now be done using the VOLUME and MUTE buttons on the Remote Control of the TV, and using the Audio menu items (BASS, TREBLE and BALANCE).

#### **Disconnecting the built-in speakers**

- 1 Press MENU repeatedly until the Audio menu is displayed on the screen.
- 2 Press ADV repeatedly until "SPEAKERS" is displayed in magenta.
- **3** Press or + until "OFF" is displayed in magenta.

The built-in speakers will be disconnected.

TO SELECT TO CONTROL	ITEM PUSH ADV PUSH - +
	·····
	land a start New York Start
	сторования Сторования С [OFF]

SFEAKERS: [ONIOFF

TO SELECT ITEM PUSH ADV TO CONTROL PUSH - +

To use the built-in speakers again Select "ON" in step 3 above.

EQUIPMENT

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WARNING: TV sets use High Voltage. Do not try to remove the cabinet back. Refer servicing to qualified service personnel.

- To clean the TV screen:
  - First remove the plug from the power outlet to avoid possible shock hazard.
  - Use a clean cellulose sponge or chamois cloth dampened with a solution of mild detergent and warm water to clean TV screen and trim. Do not use too much water on the TV screen. Water spills into the cabinet and may cause damage to the TV. Avoid excess water.
  - 3. Remove any extra moisture with the same cloth or a dry one.
- To maintain the finish and appearance of the cabinet, polish it from time to time with a quality furniture polish.
- Caution: Never use strong solvents such as thinner, benzene or other chemicals on or near cabinet, as they might damage the finish of the cabinet.

# **Specifications**

TELEVISION SYSTEM:	NTSC standard
CHANNEL COVERAGE:	VHF; 2 through 13 UHF; 14 through 69 Cable TV; mid band (A-8 through A-1, A through I) super band (J through W) hyper band (AA through ZZ, AAA, BBB) ultra band (65 through 94, 100 through 125)
POWER SOURCE:	120V AC, 60Hz
POWER CONSUMPTION:	CF32F50; 106W (average) CF35F50; 108W (average)
AUDIO POWER:	5W + 5W
SPEAKER TYPE:	2-3/8 x 4-3/4 inches (60 x 120 mm)
VIDEO/AUDIO TERMINALS:	S-VIDEO INPUT Y-INPUT: 1V (p-p), 75 ohm, negative sync. C-INPUT: 0.286V (p-p) (burst signal), 75 ohm VIDEO/AUDIO INPUT VIDEO: 1V(p-p), 75 ohm, negative sync. AUDIO: 150mV(rms) (30% modulation equivalent, 47k ohm) VARIABLE AUDIO OUTPUT 0 - 350mV (rms) (30% modulation equivalent, 4.7k ohm)
DIMENSIONS:	CF32F50; Width 30-7/16 inches (773mm) Height 28-5/64 inches (713mm) Depth 22-41/64 inches (575mm) CF35F50; Width 34-7/8 inches (886mm) Height 30-3/4 inches (781mm) Depth 24-3/32 inches (612mm)
MASS:	CF32F50; 127.9 lbs (58.0kg) CF35F50; 157.4 lbs (71.4kg)
SUPPLIED ACCESSORIES:	Remote Control with 2 size "AAA" batteries Antenna adapter
OPTIONAL TV STAND:	CF32F50; ST3212 CF35F50; ST3512

Design and specifications are subject to change without notice.

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Before calling service personnel, please check the following chart for a possible cause of the problem you are experiencing. A minor adjustment on your part may eliminate the problem and restore your TV reception.

Symptoms	Check	Adjustments
• No picture, no sound	<ul> <li>Be sure power cord is plugged in.</li> <li>May be station trouble.</li> <li>Check antenna connections.</li> <li>Check antenna for broken wires.</li> </ul>	<ul> <li>Press POWER button.</li> <li>Try another channel.</li> </ul>
<ul> <li>No sound, picture OK</li> </ul>	<ul> <li>May be station trouble.</li> <li>Check if SPEAKERS ON/OFF function (page 35) is properly set.</li> </ul>	<ul> <li>Try another channel.</li> <li>Adjust VOLUME.</li> </ul>
<ul> <li>Poor sound, picture OK</li> </ul>	<ul> <li>May be station trouble.</li> <li>Check antenna connections.</li> <li>May be local interference from appliance.</li> </ul>	<ul> <li>Try another channel.</li> <li>Adjust VOLUME.</li> <li>Adjust BASS, TREBLE, or BALANCE control.</li> <li>Re-orient antenna.</li> </ul>
<ul> <li>Poor picture, sound OK Snowy picture Lines in picture Distorted picture Weak picture</li> </ul>	<ul> <li>May be local interference from appliance.</li> <li>Check antenna connections.</li> <li>Check antenna for broken wires.</li> <li>May be station trouble.</li> </ul>	<ul> <li>Try another channel.</li> <li>Adjust BRIGHTNESS.</li> <li>Adjust CONTRAST.</li> <li>Adjust SHARPNESS.</li> <li>Re-orient antenna.</li> </ul>
<ul> <li>Poor reception of broadcast channels</li> </ul>	<ul> <li>Check antenna connections.</li> <li>Check antenna for broken wires.</li> <li>If VCR is connected, check TV/VCR switch.</li> </ul>	●∕Try another channel. ● Re-orient antenna.
• No UHF, VHF OK	<ul> <li>Be sure TV/CABLE function (page 15) is in "TV" mode.</li> </ul>	
<ul> <li>Unable to select a certain channel</li> </ul>	<ul> <li>That channel may be locked out with CH LOCK function (page 28), or erased with the ADD/ ERASE function (page 16).</li> </ul>	
Multiple images (ghosts)	<ul><li>May be station trouble.</li><li>Check antenna connections.</li></ul>	<ul> <li>Try another channel.</li> <li>Re-crient antenna.</li> </ul>
Poor color or No color	<ul> <li>May be station trouble.</li> <li>Check antenna connections.</li> <li>Check antenna for broken wires.</li> <li>May be local interference from appliance.</li> <li>Check if station is broadcasting in color.</li> <li>If you change the direction of the TV while the TV is activated, the picture may suffer from color shading. If so, turn off the TV and allow to cool for about 30 minutes, then turn on the TV again. The picture should improve.</li> </ul>	<ul> <li>Try another channel.</li> <li>Re-orient antenna.</li> <li>Adjust TINT.</li> <li>Adjust COLOR.</li> </ul>
<ul> <li>No stereo or SAP sound from a known MTS broadcast</li> </ul>	• Check if MTS function is properly set.	
• Remote Control does not work	<ul> <li>Check if TV-CABLE-VCR switch is properly set.</li> <li>Be sure power cord is plugged in.</li> <li>Check battery in Remote Control.</li> </ul>	● Change bat <u>t</u> eries

# **Limited United States Warranty**

Toshiba America Consumer Products, Inc. ("TACP") and Toshiba Hawaii Inc. ("THI") make the following limited warranties. These limited warranties extend to the original consumer purchaser or any person receiving this set as a gift from the original consumer purchaser and to no other purchaser or transferee.

#### Limited One (1) Year Warranty

TACP and THI warrant this product and its parts against defects in materials or workmanship for a period of one (1) year after the date of original retail purchase. During this period, TACP and THI will repair a defective product or part, without charge to you. "Authorized TACP/THI service station personnel will come to your home when warranty service is required. Depending on the type of repair required, the service will either be performed in your home or the set will be taken to the authorized TACP/THI service station for repair and returned to your home at no cost to you."

#### Limited Two (2) Year Warranty of Picture Tube

TACP and THI further warrant the picture tube in this product against defects in materials or workmanship for a period of two (2) years after the date of original retail purchase. During this period, TACP and THI will replace a defective picture tube without charge to you, except that if a defective picture tube is replaced after one (1) year from the date of the original retail purchase, you pay labor-charges involved in the replacement.

#### **Rental Units**

The warranty for rental units begin with the first rental or thirty (30) days from the date of shipment to the rental firm, whichever comes first:

#### **Commercial Units**

Products sold and used for commercial use have a limited (90) day warranty for all parts, labor and picture tube.

#### Owner's Manual and Demographic Card.

You should read this owner's manual thoroughly before operating this product. You should complete and mail the enclosed demographic card within ten days after you, or the person who has given you this product as a gift, purchased this product. This is one way to enable TACP/THI to provide you with better customer service and improved products. Failure to return the card will not affect your rights under this warranty.

#### Your Responsibility

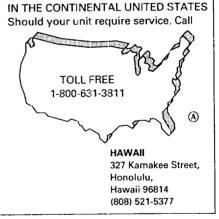
The above warranties are subject to the following conditions:

- (1) You must retain your bill of sale or provide other proof of purchase.
- (2) All warranty servicing of this product must be made by an Authorized TACP/THI Service Station.
- (3) These warranties are effective only if the product is purchased and operated in the U.S.A. or Puerto Rico
- (4) Labor service charges for set installation, set up, adjustment of customer controls and installation or repair of antenna systems are not covered by this warranty. Reception problems caused by inadequate antenna systems are your responsibility.
- (5) Warranties extend only to defects in materials or workmanship as limited above and do not extend to any product or parts which have been lost or discarded by you or to damage to products or parts caused by misuse, accident, damage caused by Acts of God, such as lightning or fluctuations in electric power, improper installation, improper maintenance or use in violation of instructions furnished by us; or to units which have had the serial number removed, altered, defaced or rendered illegible.

#### How to Obtain Warranty Service

If, after following all of the operating instructions in this manual and checking the section "BEFORE CALLING SERVICE PERSONNEL", you find that service is needed;

- (1) Call the TACP toll free number **1-800-631-3811** after you find a defective product or part -to find the nearest TOSHIBA Authorized Service Station.
- (2) Please present your bill of sale or other proof to the Authorized Service Station. "Authorized TACP/THI service station personnel will come to your home when warranty service is required. Depending on the type of repair required, the service will either be performed in your home or the set will be taken to the TACP/THI authorized service station for repair and returned to your home at no cost to you."



All warranties implied by state law, including the implied warranties of merchantability and fitness for a particular purpose, are expressly limited to the duration of the limited warranties set forth above. With the exception of any warranties implied by state law as hereby limited, the foregoing warranty is exclusive and in lieu of all other warranties, guarantees, agreements and similar obligations of manufacturer or seller with respect to the repair or replacement of any product or parts. In no event shall TACP or THI be liable for consequential or incidental damages.

No person, agent, distributor, dealer or company is authorized to change, modify or extend the terms of these warranties in any manner whatsoever. The time within which action must be commenced to enforce any obligation of TACP or THI arising under this warranty or under any statute, or law of the United States or any state thereof, is hereby limited to 90 days from the date you discover or should have discovered, the defect. This limitation does not apply to implied warranties arising under state law.

This warranty gives you specific legal rights and you may also have other rights which may vary from state to state. Some states do not allow limitation on how long an implied warranty lasts, when an action may be brought, or the exclusion or limitation of incidental or consequential damages, so the above provisions may not apply to you.



#### ATTENTION CANADIAN CONSUMERS:

Canadian consumers are requested to complete the special Canadian "Warranty Registration Form" enclosed, and forward this completed form with a copy of bill of sale to TOSHIBA OF CANADA to "Register and Validate" their warranty. Products purchased in the U.S.A. and used in Canada are not covered by these warranties.

# TOSHIBA AMERICA CONSUMER PRODUCTS, INC.

HEAD OFFICE/82 TOTOWA ROAD, WAYNE, NEW JERSEY 07470

FACTORY SERVICE CENTERS/NORTHEAST: 82 TOTOWA ROAD, WAYNE, NEW JERSEY 07470 MIDWEST: 1010 JOHNSON DRIVE, BUFFALO GROVE, ILLINOIS 60089-6900 WEST: 5490 E. FRANCIS ST., ONTARIO, CA 91761 SOUTHWEST: 1421 CHAMPION DRIVE, SUITE 304 CARROLLTON, TEXAS 75006 SOUTHEAST: 6115 JIMMY CARTER BLVD., SUITE C2, NORCROSS, GA 30071-4607

# TOSHIBA HAWAII, INC.

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# TOSHIBA OF CANADA LTD.

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