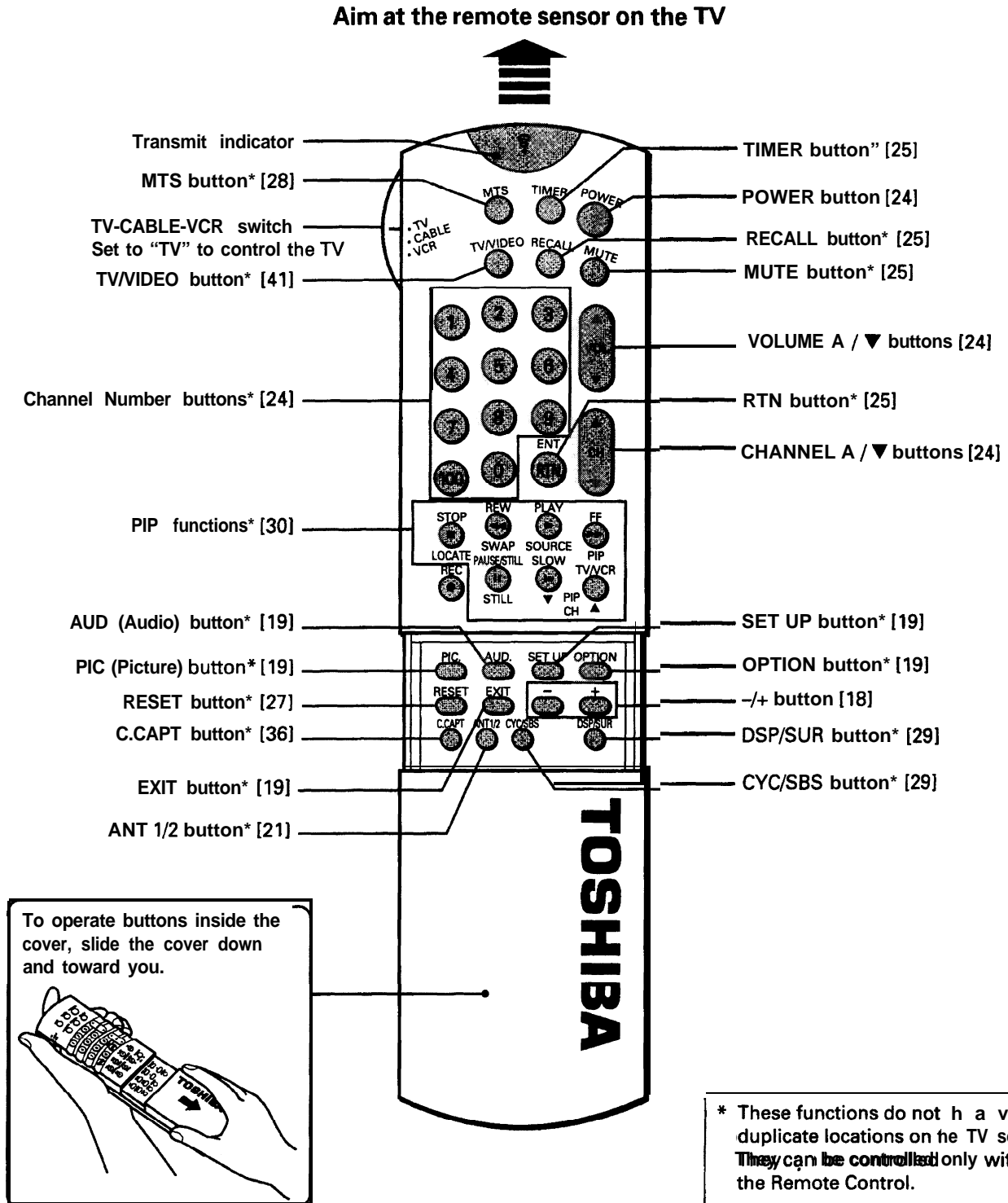


# LOCATION OF CONTROLS (Remote Control)

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.



# BEFORE USING THE REMOTE CONTROL

## 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.

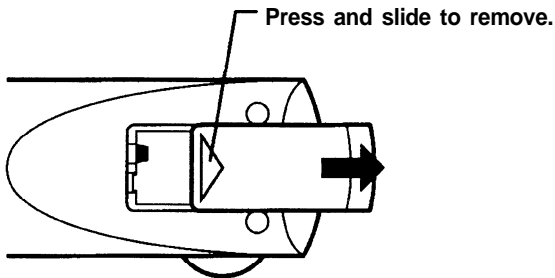
- Before attempting to operate your Remote Control, install the batteries according to the section "INSTALLING AND REPLACING BATTERIES" shown below.
- For more detailed instructions, see the section "PROGRAMMING THE REMOTE CONTROL" on page 15.

### Notes:

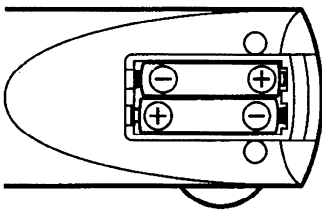
- After installing new batteries, the Remote Control will set itself to the codes for TOSHIBA's TV and VCR. If you are using the Remote Control to operate equipment that uses different codes, it will have to be reprogrammed for those codes.
- This Remote Control may have functions not available on the 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 equipments 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 "AA" size batteries, matching the + and - signs on each battery to the + and - signs of the battery compartment.



- 3 Replace the battery cover until the lock snaps.

## TIPS FOR BEST OPERATION

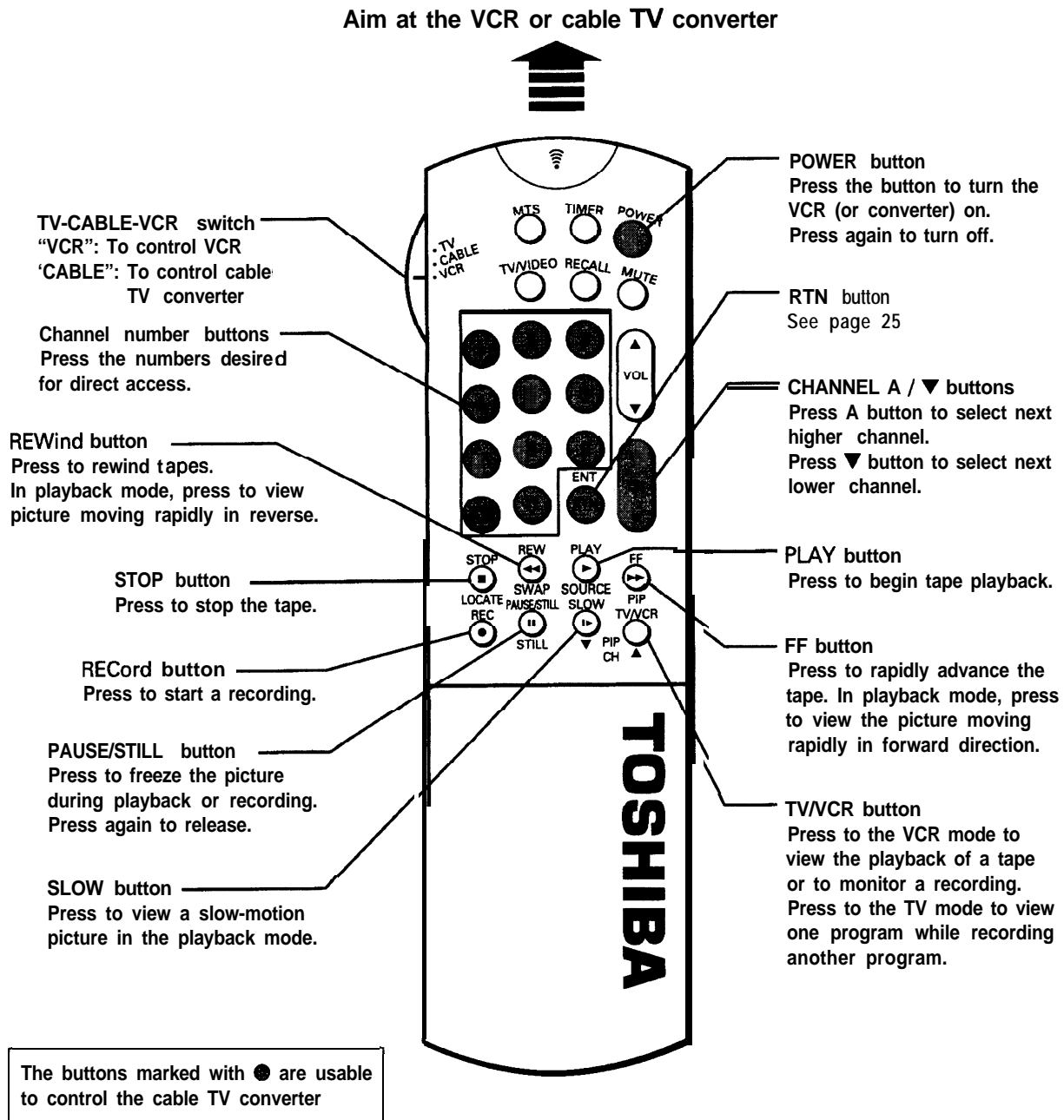
- For optimum performance, aim the Remote Control directly at the TV from a distance no more than 23 ft (7m) and be sure there is no obstruction between the Remote Control and the TV.
- If your Remote Control does not always adjust the TV as you wish, you probably need to replace the batteries. See the directions at the left.
- 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.

### 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.

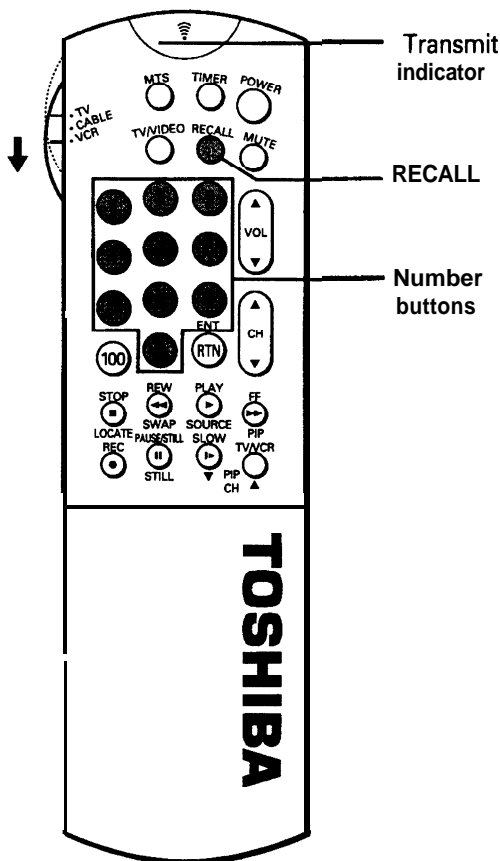
# USING THE REMOTE WITH VCR OR CABLE TV CONVERTER

- To control 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 15.
- To control a cable TV converter, this Remote Control must be programmed to recognize the brand of your converter.  
See page 15.  
Set the TV-CABLE-VCR switch to "CABLE" position whenever you control the cable TV converter.



# PROGRAMMING THE REMOTE CONTROL

- 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.



## TO CONTROL OTHER BRANDS OF VCR'S AND CABLE TV CONVERTERS

**1** Refer to the "VCR *code table*" (or "*Cable II/converter code table*") on pages 16 and 17 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). The transmit indicator lights up for 1 second when the programming is completed.

When an operation error has occurred, the indicator blinks. Press RECALL again to reset.

**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 should turn on.
- If the VCR 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:

# PROGRAMMING THE REMOTE CONTROL (Continued)

- The code numbers listed below are the newest ones at the time of printing. New code numbers may or may not have been added since printing.

## VCR code table

BRAND NAME	CODE NUMBER	BRAND NAME	CODE NUMBER	BRAND NAME	CODE NUMBER
Aiko .....	297	Goodmans.....	.019,039,056,081,	Osaki .....	.019,056,091
Aiwa .....	019		091,297	Otto Versand .....	.100
Akai .....	.060,068,080,125,	Gradiente.....	.019	Pallidium.....	.091
	261	Graetz.....	060,123	Panasonic .....	.054,096,244
Alba .....	039,228,297	Granada .....	.065,100,123	Penney .....	.054,056,057,059,
Amstrad .....	019	Grundig .....	100		061,259
Anitech .....	.091	Harman/Kardon....	.057	Pentax .....	.061,084,12 4
ASA .....	056,100	Hem.....	091	Perdio.....	.019
Audiovox .....	.056	Hinari.....	.091,227	Philco .....	.054
Baird .....	123	Hitachi .....	.019,060,061,084,	Philips .....	.054,081,100,129
Bell & Howell .....	123		124	Phonola.....	.100
Broksonic.....	140,203,230	Imperial .....	019	Pilot .....	.056
Bush .....	.091,228,297	Interfunk .....	100	Pioneer .....	.086,100
Canon .....	.054	ITT .....	060,065,123,125	Portland .....	.039
Capehart .....	.039	JCL .....	.054	Proline.....	.019
Carver.....	100	Jensen .....	060	Pulsar .....	.058
CCE .....	.091,297	JVC .....	027,060,086	Pye.....	100
CGE .....	019	Kendo.....	.125	Quartz.....	.065
Cimline.....	.091	Kenwood.....	.057,060,065,086	Quasar.....	-054, 1 15
Condor .....	.039	Lloyd .....	019	Quelle.....	.100
Craig.....	.066,259	Loewe.....	.056	Radiola .....	100
Crown.....	.297	Loewe opta .....	.100	RCA .....	.054,061,084,096,
Curtis Mat hes .....	.054	Logik .....	.019,259		124,168,221
Daewoo .....	039,064,065,297	Luxor .....	.062,065,125	RCA Unified.....	.07 9
Dansai .....	.091	LXI .....	056	Realistic.....	.019,054,056,065,
Daytron .....	.039	Magnavox.....	.019,054,100,129,		066,067,081,085,
De Graaf.....	.061		168		123,259
Decca.....	019,100	Manesth .....	.064,091	Rex .....	060
Dual .....	.060	Marantz.....	.054,057,081,100	Ricoh .....	.053
Dumont.....	.019,100,123,124	Marta .....	.056	Roadstar.....	.056,091,259
Dynatech.....	.019	Matsui .....	.227,228	Runco .....	058
Electronic.....	.019	MEI .....	.054	Saba .....	.060
Emerson.....	.019,021,056,080,	Memorex .....	.019,054,056,058,	Saisho .....	.227,228
	140,203,227,228,		065,066,067,123	Salora .....	.062,065,125
	230,231,313	MGA .....	062,080	Samsung.....	.064,259
ESC .....	297	Minolta .....	.061,124	Sansui .....	.060,086
Ferguson.....	.060	Mitsubishi .....	.062,080,086,100,	Sanyo.....	.065,066,123,259
Fidelity .....	.019		192,233,261	SBR .....	300
Finlandia .....	100,123,129	MTC .....	019,259	Scaub Lorenz.....	.019,060
Finlux .....	.019,061,100,123,	Multitech .....	.019,091	Schneider.....	.019,091,100,129
	124	Murphy .....	.019	Scott .....	.064,140,203,229,
First line .....	.062,091	NEC .....	057,059,060,069,		231
Fisher .....	.065,066,073,085,		086	Sears .....	.054,056,061,065,
	123	Neckermann .....	100		066,073,085,123,
Frontech.....	.039	Nikko .....	056		124
Funai .....	019	Noblex.....	259	SEI .....	100
GE.....	054,079,084	Nokia .....	.060,065,123,125,	Sentra .....	039
GEC .....	100		259	Sharp.....	.076,081
General .....	.071	Nordmende .....	.060	Shintom .....	.091
Go Video.....	.251,298	Optonica .....	.067,081	Siemens .....	.056,123
Goldstar .....	.056,057	Orion .....	140,227,228	Sinudyne.....	.100

*Cable TV converter code table*

BRAND NAME	CODE NUMBER	BRAND NAME	CODE NUMBER	BRAND NAME	CODE NUMBER
Sony.....	.051,052,053,054	ABC .....	.026,030,032,036	Unika .....	.172
STS .....	061	Archer .....	.058,172	United Artists .....	.026
Sunstar.....	.019	Century .....	.172	United Cable.. .....	.022
Sylvania .....	.054,062,100,129	Citizen .....	.172	Universal.. .....	.058,096,172,210
Symphonic .....	.019	Colour Voice.....	.044,050	Viewstar.. .....	.046,079
Tashiko .....	019	Comtronics .....	.059,079	Zenith .....	.019
Tatung.. .....	.019,060,100	Eastern .....	021		
Teac.....	.019,060	Garrard .....	.172		
Technics .....	.054	Gemini .....	.034,089		
Teknika .....	.019,054,056,071	General			
Telefunken .....	.060,206	Instrument.. .....	.030		
Tenosal .....	.091	Hamlin.....	.028,039,278,29 2		
Tensai .....	019	Hitachi .....	.030		
Thomson.....	.060	Jasco.....	.172		
Thorn .....	.060	Jerrold.. .....	.022,030,031,033,		
Toshiba .....	.060,062,064,085,		034,043,045		
	229,231,385	Macom .....	052		
Totevision .....	.056.25 9	Magnavox .....	046		
Triumph .....	.227	Memorex .....	.019		
Unitech.....	.259	Movie Time .....	.175		
Universum .....	.019,056,068,100,	NSC .....	089,175		
	125	Oak .....	026,038		
Vector Research...	.057.05 9	Panasonic .....	.040		
Victor.....	.027,060,086	Paragon.. .....	.019		
Video Concepts.....	.059.08 0	Philips .....	.044,046,047,048,		
Videosonic .....	.259		049,050,079		
Wards.....	.019,054,061,066,	Pioneer.....	.163		
	067,081,09	Pulsar.. .....	.019		
	1,168,231,259	PVP Stereo			
Yamaha.....	.057,060	Visual Matrix.....	.02 2		
Yoko .....	259	RCA .....	.040		
Zenith.....	.052,053,058	Regal .....	.039,278,292		
		Regency.. .....	.021		
		Rembrandt.....	089		
		Runco.....	.029		
		Samsung.. .....	.059,163		
		Scientific Atlanta. .	.025,027,036,29 6		
		Signal .....	.034,059		
		Signature .....	.03 0		
		SL Marx.....	.059		
		Sprucer .....	.040		
		Standard			
		Components .....	.174		
		Starcom .....	.022,034		
		Stargate .....	.034,059		
		STS.....	.175		
		Tocom .....	.031,032,078		
		Toshiba .....	.019		