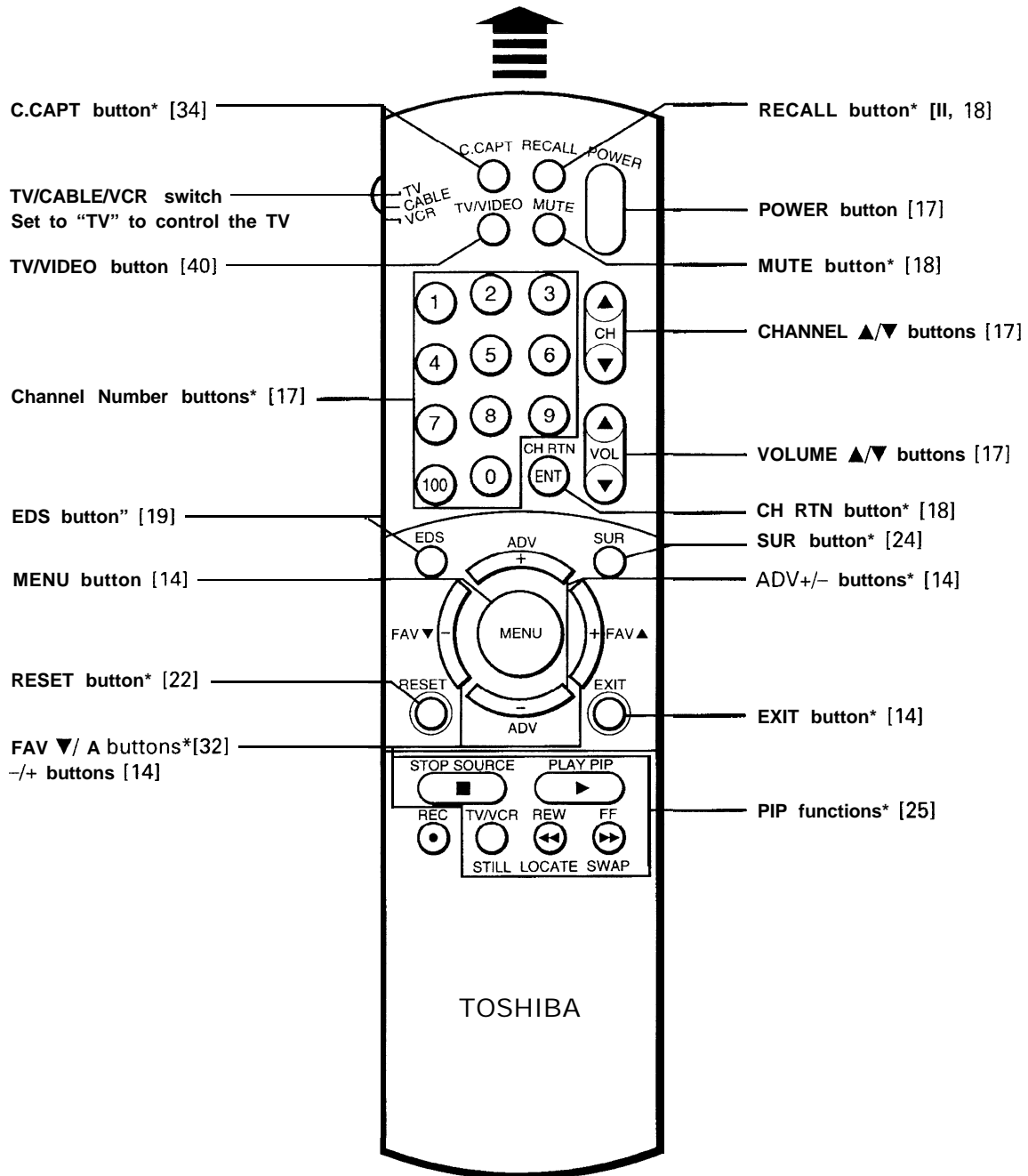


Location of Controls (Remote Control)

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.

Aim at the remote sensor on the TV.



*These functions do not have duplicate locations on the TV set. They can be controlled only with the Remote Control.

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 11.

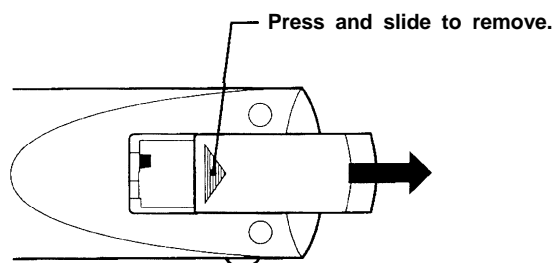
Notes:

- 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.

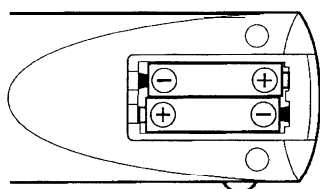
PREPARATION

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 cover 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

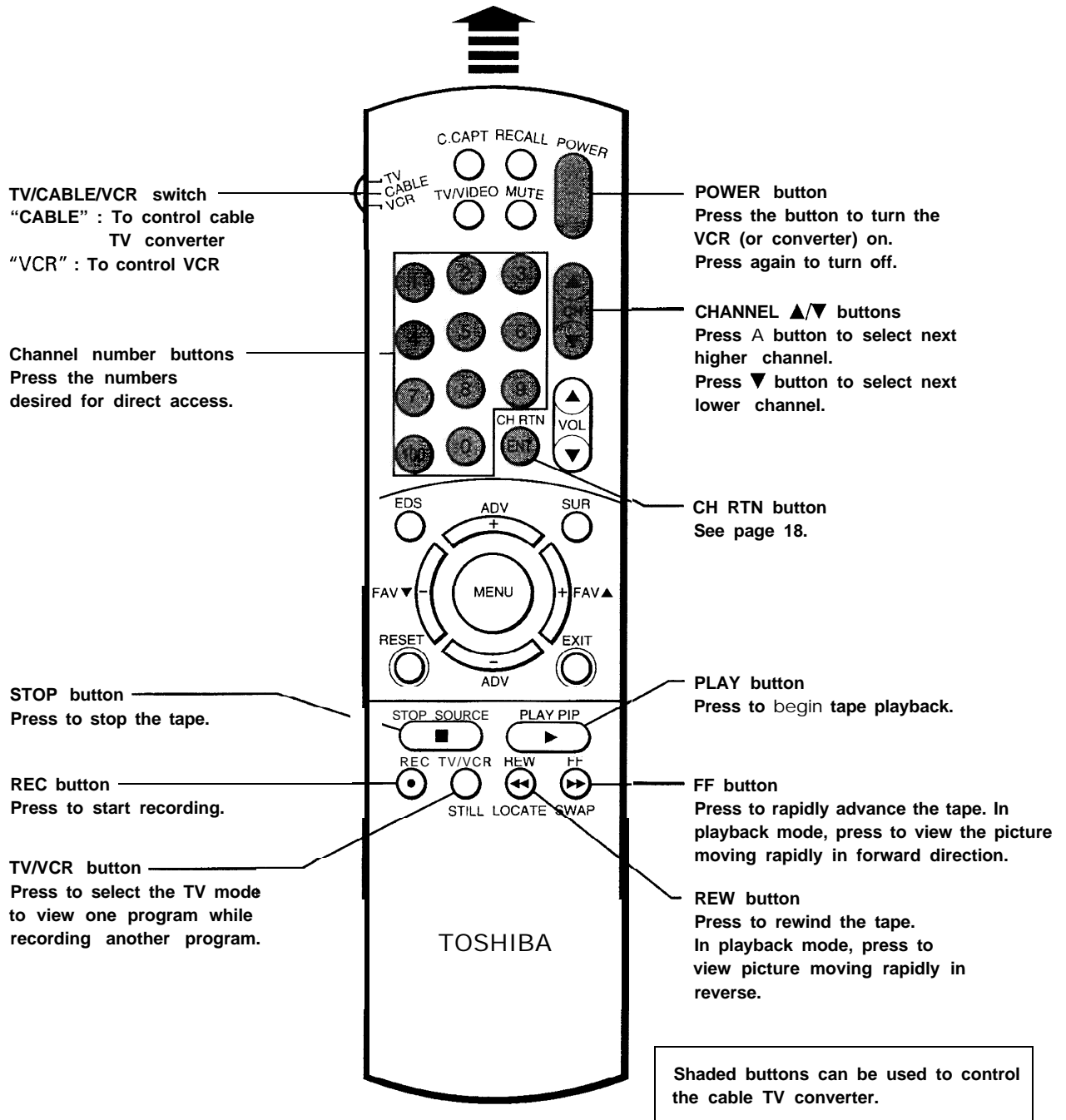
- For optimum performance, aim the Remote Control directly at the TV from a distance of no more than 16 ft (5m) and be sure there is no obstruction between the Remote Control and the TV.
- If your Remote Control does not always adjust the TV as you wish, you probably need to replace the batteries.
- 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.

Location of Controls (Remote Control)/ Before Using the Remote Control

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 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.

Aim at the VCR or 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 TV converter code table") on pages 12 and 13 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").

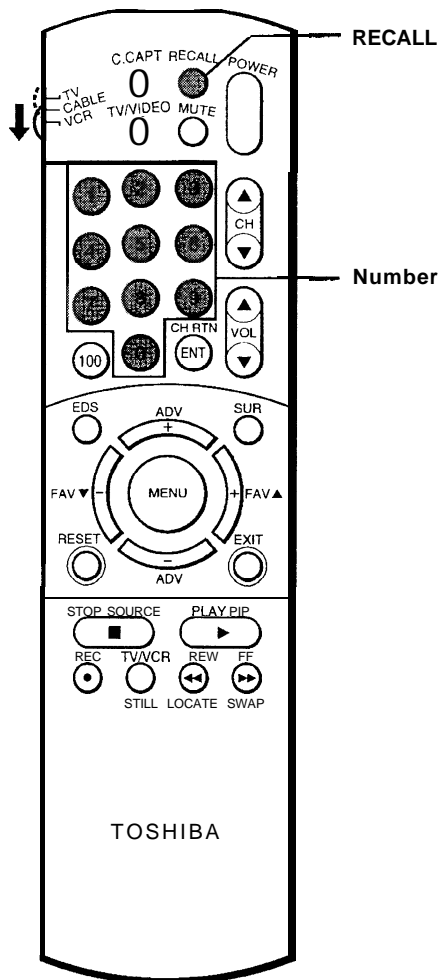
3 Hold down RECALL while pressing the Number buttons for the three digit code number for your brand of VCR (or converter).

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

Using the Remote with VCR or Cable TV Converter / Programming the Remote Control

Programming the Remote Control (Continued)

- 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	ESC	297
Aiko	297	Ferguson	060
Aiwa	019	Fidelity..	019
Akai	060,068,080,125 261	Finlandia	100,123,129
Akiba	091	Finlux	019,061,100,123, 124
Al ba	039,228,297	Firstline	056,062,064,091, 228
American High	054	Fisher..	065,066,073,085, 123
Amstrad	019	Frontech	039
Anam	181	Fuji	052,054
Anitech	091	Funai	019
ASA	056,100	Garrard	019
Asha	259	GE	054,079,084,221
Asuka	056	GEC..	100
Audiovox	056	General.	071
Baird	019,123	Go Video	251,298
Basic Line	039,091,297	Goldstar	037,056,057
Beaumarck	259	Goodmans	019,039,056,081, 091,297
Bell & Howell	123	Gradiente	019
Blaupunkt	053,181	Graetz	060,123
Brandt	206	Granada	065,100,123
Broksonic	140,203,230	Grandin	019,056,091
Bush	091,228,297	Grundig	100
Calix..	056	Harley Davidson ...	019
Canon	054	Harman/Kardon	057,094
Capehart..	039	Harwood	087,091
Carver	100	HCM	091
CCE	091,297	Headquarter	065
CGE	019	HI-Q	066
Cimline	091	Hinari	091,227
Citizen	056,297	Hitachi	019,060,061,084, 124,254
Clatronic	039	Hypson	091
Colt	091	Imperial	019
Condor	039	Interfunk	100
Craig	056,066,091,259	ITT	060,065,123,125
Crown	091,297	ITV	056,297
Curtis Mathes	054,079	JCL	054
Cybernex	259	Jensen	060
Daewoo	039,064,065,297	JVC	027,060,086
Dansai	091	Kaisui	091
Dayt ron	039	Kendo	125,228
De Graff	061	Kenwood	057,060,065,086
Decca	019,100	KLH	091
Dual	060	Kodak	054,056
Dumont	019,100,123,124	Korpel	091
Dynatech	019	Leyco	091
Elcatech	091	Lloyd	019
Electrohome	056	Loewe	056
Electronic	019	Loewe Opta	100
Electrophonic..	056	Logik	091,259
Emerex	051	Luxor	062,065,123,125
Emerson	019,021,056,062, 080,087,140,203, 227,228,230,231, 313,314,380		
		LXI	056
		M-Electronic..	019
		Magnavox	054,058,100,019, 129,168
		Magnin	259
		Manesth	064,091
		Marantz	054,057,081,100
		Marta	056
		Masushita	054
		Matsui	227,228,314
		MEI	054
		Memorex..	019,054,056,058 065,066,067,123 259
		Memphis	091
		Metz	181
		MGA	062,080
		MGN Technology.. ..	259
		Minolta	061,124
		Mitsubishi	062,080,086,094 100,192,233,261
		Motorola	054,067
		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	140,227,228,314
		Osaki	019,056,091
		Otto Versand	100
		Palladium	056,091
		Panasonic..	054,096,115,181 244
		Penney	054,056,057,059 061,073,259
		Pentax	061,084,124
		Perdio	019
		Philco	054
		Philips..	054,081,100,129
		Phonola	100
		Pilot	056
		Pioneer	086,100
		Portland..	039
		Profitronic	259
		Proline	019

Protec 091
 Pulsar 058
 Pye 100
 Quarter 065
 Quartz 065
 Quasar 054,096,115
 Quelle 100
 Radio Shack 019,056
 Radiola 100
 Radix 056
 Randex 056
 RCA.. 054,061,079,084
 096,115,124,125
 168,221
 RCA Unified 079
 Realistic 019,054,056,065
 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
 Sontec 056
 Sony 051,052,053,054
 STS 061
 Sunstar.. 019
 Sylvania 019,054,062,100
 129
 Symphonic.. 019
 Tashiko 019

Tatung 019,060,100
 Teac 019,060
 Technics 054,181
 Teknika 019,054,056,071
 Teleavia 060
 Telefunken 060,206
 Tenosal 09 1
 Tensai 019
 Thomson 060
 Thorn 060,123
 TMK 227,259
 Toshiba 060,062,064,085
 229,23 1,385
 Totevision 056,259
 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	172
Colour Voice	044,050
Comtronics	059,079
Contec	038
Eastern	02 1
Garrard	172
GC Electronics	035,075
Gemini	034,089
General Instrument	030

Hamlin 028,039,053,278
 292
 Hitachi 030
 Hytex 026
 Jasco 172
 Jerrold 022,030,031,033
 034,043,045,066
 295
 Macom 052
 Magnavox 046
 Memorex 019
 Movie Time 175
 NSC 089,175
 Oak 026,038,267
 Panasonic 040,126
 Paragon 019
 Philips.. 044,046,047,048
 049,050,079,172
 Pioneer 042,163
 Popular Mechanics 419
 Pulsar 019
 PVP Stereo
 Visual Matrix 022
 RCA.. 040
 Rega I 039,278,292
 Regency 021
 Rembrandt 030,089
 Runco 019
 Samsung 059,163
 Scientific Atlanta .. 025,027,036,296
 346
 Signal 034,059
 Signature 030
 SL Marx 059
 Sprucer.. 040
 Standard
 Components 174
 Starcom 022,034,066
 Stargate.. 034,059
 Starquest.. 034
 STS 175
 Sylvania 020
 Tancy 019,123
 Tel eview 059
 Texsca n 020
 Tocom 031,032,078
 Toshiba 019
 Tusa 034
 Unika 041,172
 United Artists..... 026
 United Cable 022
 Universal 041,058,075,096
 172,210
 Viewstar 046,079,230
 Zenith 019