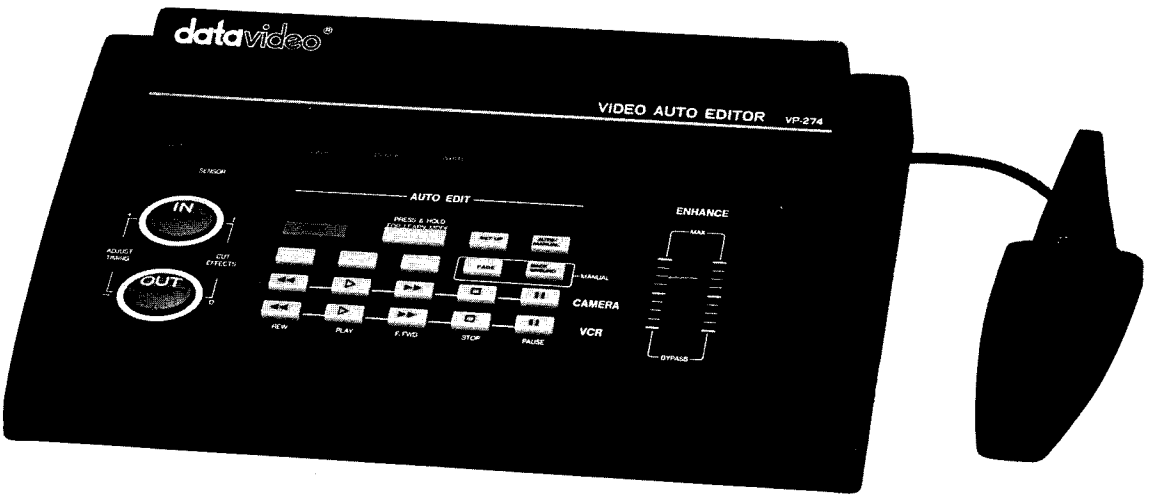
datavideo®

VP-274

Auto Video Editor

Transforms home videos into smooth, professional-looking productions



- Allows both automatic and manual editing
- Holds up to 190 scenes in memory and edits them in any order
- Provides automatic cut and fade effects between scenes
- Allows frame-by-frame scene marking adjustments
- Controls all functions of playback camcorder and recording VCR
- Provides automatic preview of edit before final recording
- On-screen displays make operation easy

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About the Editor

The Auto Video Editor lets you edit home videos quickly and easily. It copies all the scenes you want to see, in the order you want to see them, from your camcorder to a VCR. At the same time, the Editor eliminates all the scenes you don't want to see (without erasing any of the original video).

In Automatic mode, the Editor's digital computer controls all functions of your camcorder and the recording VCR. All by itself, the Editor fast-forwards or rewinds the camcorder tape to a specific scene, plays it back, and records it on the VCR. You can program as many as 190 scenes (in any order you choose) for the Editor to combine on one final tape. You can also choose either cut or fade transitions between scenes.

In Manual mode, the Editor lets you make a super-quick edit, recording or skipping over scenes in chronological order as you play back the camcorder tape for the first time.

The Editor features on-screen displays for easy operation and a built-in video enhancer for high-quality recordings.

The Editor works with virtually all camcorders and VCRs.

Care and Servicing

1. READ INSTRUCTIONS CAREFULLY.

2. POWER: Use only the power supply included. Do not overload wall outlets or extension cords. Overloading creates risk of shock and/or fire. Power cords from all equipment, including this device, should be routed away from areas where people walk.

3. SERVICING: Do not try to service this device yourself. Unauthorized servicing will void warranty and may damage device. Refer all questions and servicing only to qualified service personnel (see Warranty for details).

4. CLEANING: Unplug device from wall outlet before cleaning. Use damp cloth to wipe unit clear of dust and dirt. Do not use liquid or aerosol cleansers.

I. Before You Get Started

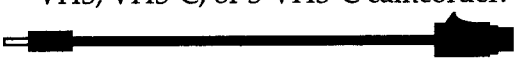
Make sure you have all the accessories you need.

Included with the Editor:

1. EDIT CONTROL CABLES. You will use **only one** of these two cables, depending on what camcorder you have.

   a) "Control-L" cable. Use this cable if you have a Sony, Ricoh, Nikon, or similar 8mm or Hi-8 camcorder.

   b) "5-pin" cable. Use this cable if you have a Panasonic, JVC, Magnavox, or similar VHS, VHS-C, or S-VHS-C camcorder.



2. INFRARED REMOTE CONTROL UNIT.

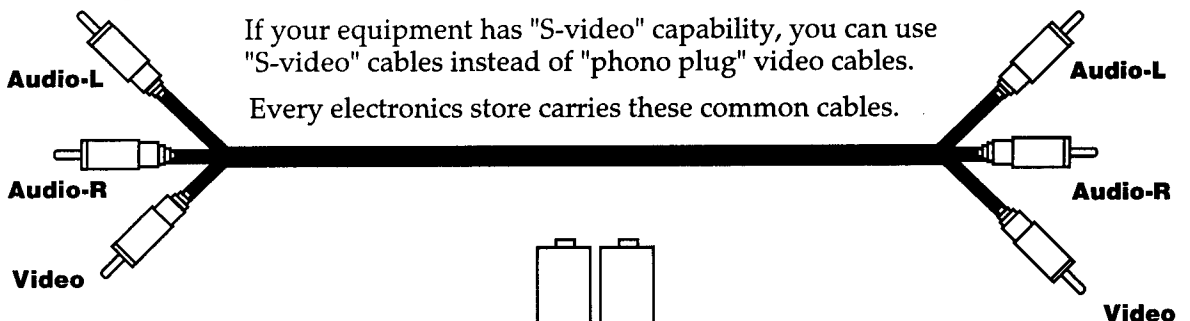
3. AC ADAPTER.

4. At the back of this manual are several blank STORYBOARDS. You should make plenty of photocopies of these Storyboards, so you can take sufficient notes for editing.

Scene Sequence	Scene Number	Scene Transition IN	Scene Transition OUT	Counter Number IN	Counter Number OUT	Remarks

NOT included with the Editor:

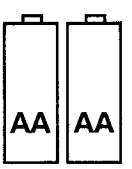
1. To set up the Editor, you will need two "phono plug" audio/video cables like this:



If your equipment has "S-video" capability, you can use "S-video" cables instead of "phono plug" video cables.

Every electronics store carries these common cables.

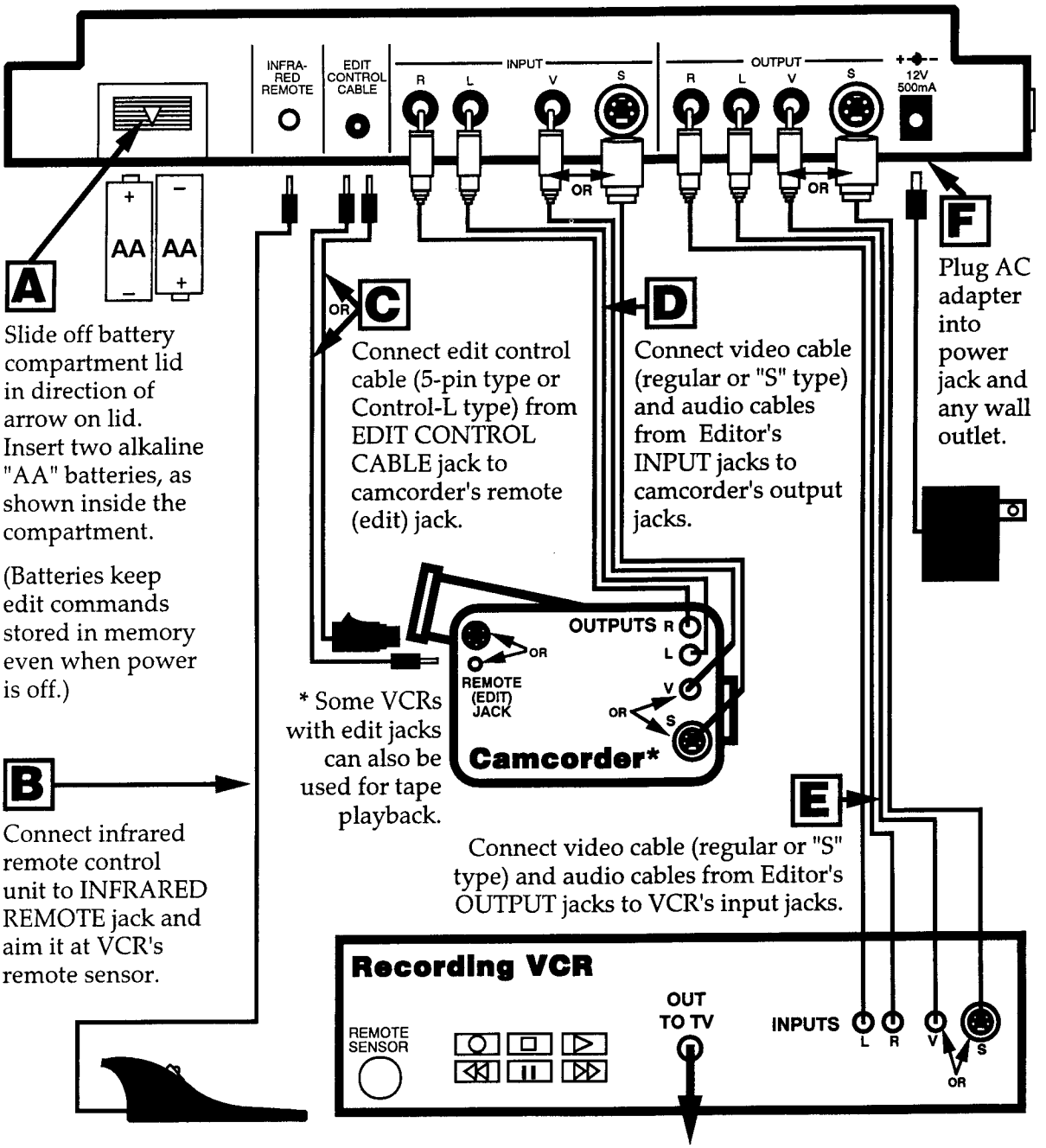
2. You will also need two "AA" batteries.



II. Setting Up the Editor

Follow steps A-F, below, to connect the Editor to your camcorder and VCR.

Back Panel of Editor



A Slide off battery compartment lid in direction of arrow on lid. Insert two alkaline "AA" batteries, as shown inside the compartment.

(Batteries keep edit commands stored in memory even when power is off.)

B Connect infrared remote control unit to INFRARED REMOTE jack and aim it at VCR's remote sensor.

C Connect edit control cable (5-pin type or Control-L type) from EDIT CONTROL CABLE jack to camcorder's remote (edit) jack.

D Connect video cable (regular or "S" type) and audio cables from Editor's INPUT jacks to camcorder's output jacks.

F Plug AC adapter into power jack and any wall outlet.

* Some VCRs with edit jacks can also be used for tape playback.

E Connect video cable (regular or "S" type) and audio cables from Editor's OUTPUT jacks to VCR's input jacks.

III. Preparing to Edit

These steps are required for both Manual and Automatic editing.

1. Turn camcorder and VCR power on. Make sure VCR is in LINE IN mode, not TUNER mode (see VCR instructions if necessary). Make sure VCR is connected properly to a TV.

2. Turn the Editor's power on (switch is on side panel). The POWER LED will go on, and your TV screen should look like this. This on-screen display is *Program Mode.*

3. Press and hold the **PROGRAM** key:

PRESS & HOLD
FOR LEARN MODE
PROGRAM

After about three seconds, the Editor will enter *Learn Mode.* The following display will appear on your TV screen:

PRESS EDITOR KEY	PRESS VCR REMOTE KEY
IN	SEE MANUAL
OUT	PAUSE
REW	REWIND
PLAY	PLAY
F. F.	F. F.
STOP	STOP
PAUSE	PAUSE
EDIT	RECORD

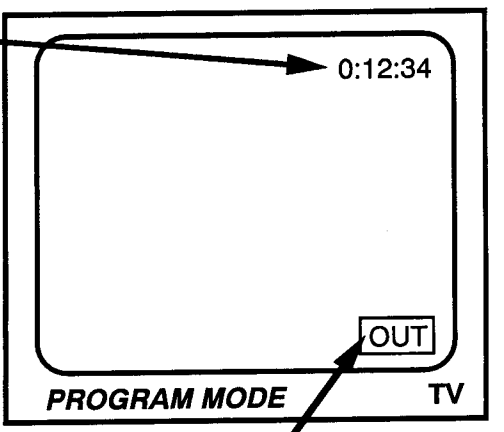
LEARN MODE **TV**

4. **BEFORE CONTINUING, you must:**

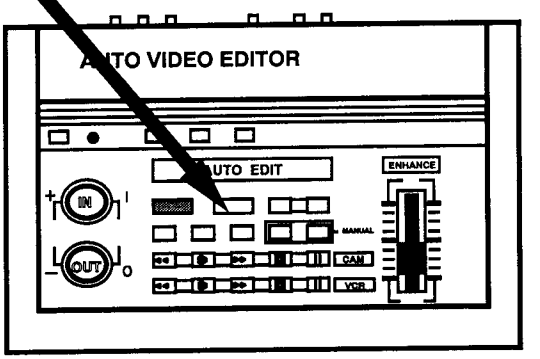
a) Put your VCR in "record" and "pause" modes at the same time.

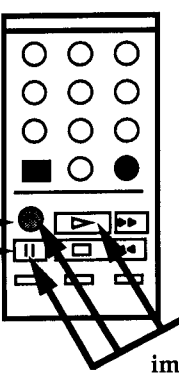
b) Determine what button on your VCR remote control releases "pause" and makes the VCR begin recording. It is usually one of 3 buttons: "pause", "record", or "play" (see VCR instructions if necessary).

Camcorder tape counter (this will NOT appear yet if you are using the Panasonic 5-pin edit cable)



Scene status





Remote control of recording VCR

a) Press "record" and "pause".

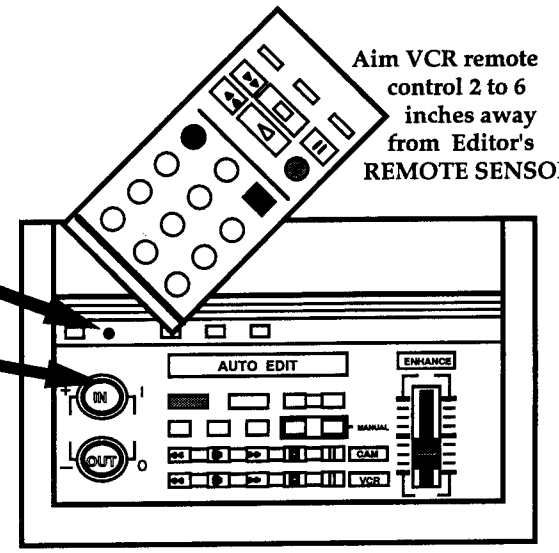
b) Press "pause" or "record" or "play" — whichever makes the VCR start recording.

The correct command is very important in step 6.

Preparing to Edit — Learning VCR remote commands

The Editor is now ready to learn your VCR's infrared remote control signals.

5. Point your VCR's remote control close to the Editor's REMOTE SENSOR:



Aim VCR remote control 2 to 6 inches away from Editor's REMOTE SENSOR

6. Press the Editor's **IN** key.

The "IN - - - - SEE MANUAL" line on your TV screen will start flashing:

PRESS EDITOR KEY	PRESS VCR REMOTE KEY
IN	SEE MANUAL
OUT	PAUSE
REW	REWIND
PLAY	PLAY
F. F.	F. F.
STOP	STOP
PAUSE	PAUSE
EDIT	RECORD

LEARN MODE **TV**

Now press the button on your VCR remote control that releases pause and makes the VCR begin recording.

Important: Refer to Step 4 on page 3 to be sure you press the correct button.

If the Editor reads the remote control correctly, your TV screen will say "OK":

PRESS EDITOR KEY		PRESS VCR REMOTE KEY
IN	OK	SEE MANUAL
OUT		PAUSE

If the Editor fails to read the remote correctly, the TV screen will say "F":

PRESS EDITOR KEY		PRESS VCR REMOTE KEY
IN	F	SEE MANUAL
OUT		PAUSE

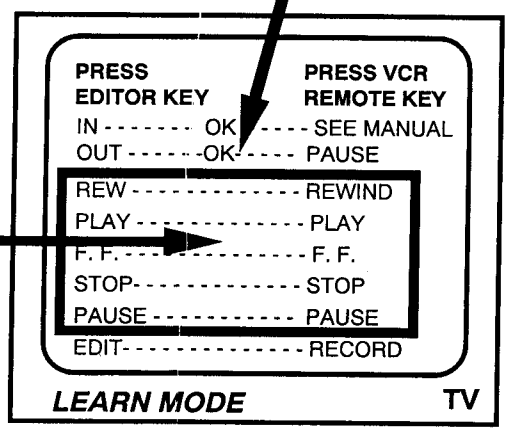
Note: If the TV screen says "F", press the IN key and the correct VCR remote button again, until the TV screen says "OK".

7. Press the Editor's **OUT** key.

   The "OUT - - - - PAUSE" line will flash on the TV screen.

   Once again aim your VCR remote control close to the Editor's REMOTE SENSOR, and press the pause button on your VCR remote control.

   Once again you will get either an "OK" or an "F". Repeat until until you get "OK" on the TV screen:



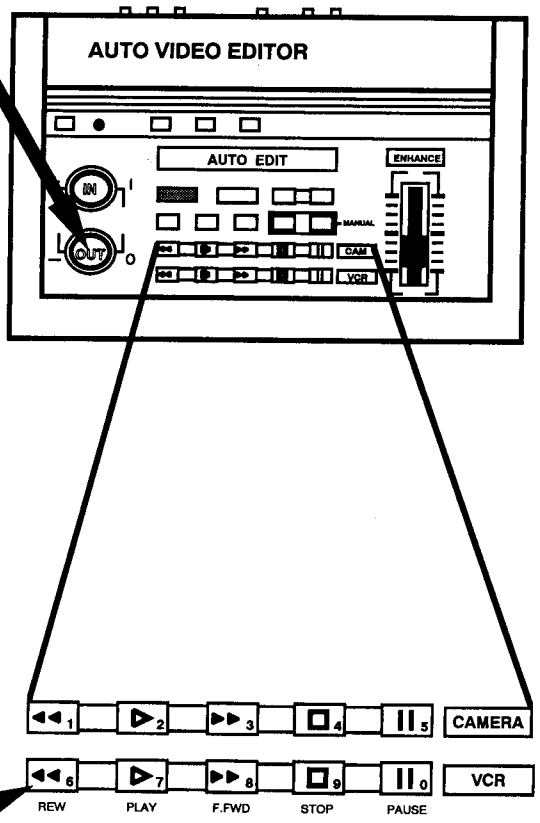
8. Just as they appear on the TV screen, press each of the Editor's **VCR command** keys (**REW, PLAY, F. F., STOP,** and **PAUSE**), and their corresponding VCR remote control buttons.

   "OK" will appear on each line as the Editor learns each command.

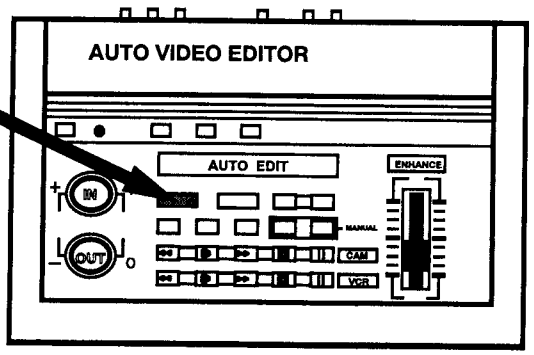
9. Press the Editor's blue [EDIT] key. As with the other on-screen lines, "EDIT - - - RECORD" will start flashing.

   Press the VCR remote's record button. Note: many VCR remotes require you to press two buttons at the same time to start recording.

   As before, "OK" will appear to confirm Editor has learned the correct command.



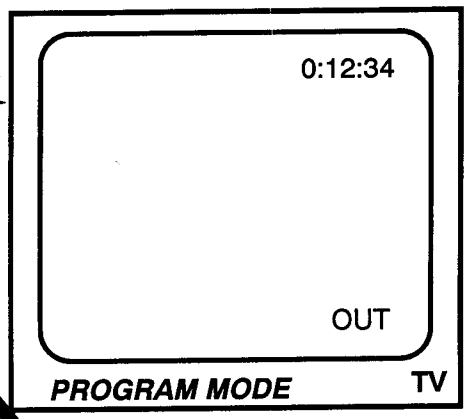
Note: make sure you press the Editor's VCR, not CAMERA, command keys.



Preparing to Edit

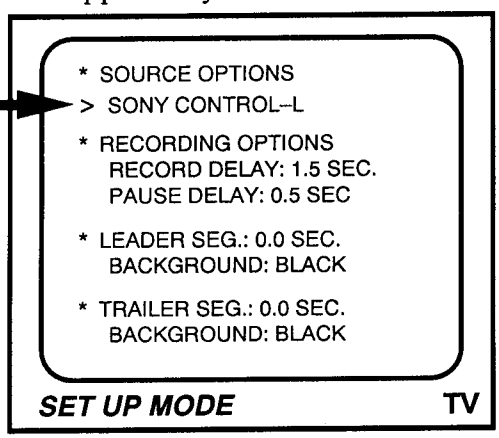
Set Up Mode: Choosing Options

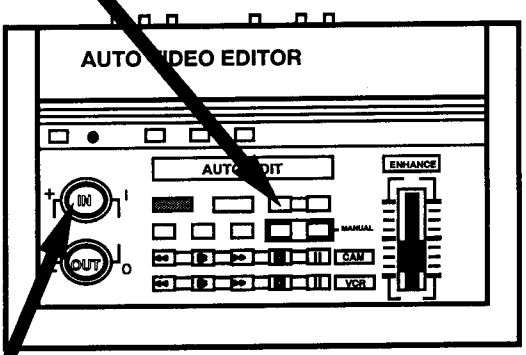
10. When every line on the TV screen says "OK", press the PROGRAM key once. This takes the Editor out of *Learn Mode* and returns TV screen to *Program Mode.*



11. Press the Editor's **SET UP** key:

The following *Set Up Mode* display will appear on your TV screen:





12. Cursor is at "SOURCE OPTIONS".

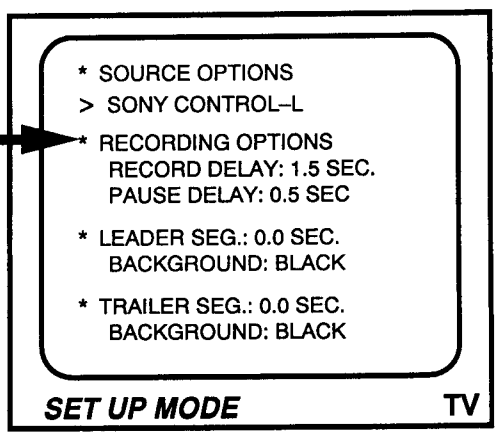
Default setting is "SONY CONTROL-L". If you are using the Control-L Cable, leave this setting in place.

If you are using the Panasonic 5-Pin Cable, Press the **IN** key to change setting to "PANASONIC 5-PIN".

13. "RECORDING OPTIONS":

VCRs take time to start or stop after you press a remote control command. Some VCRs respond quickly, others slowly.

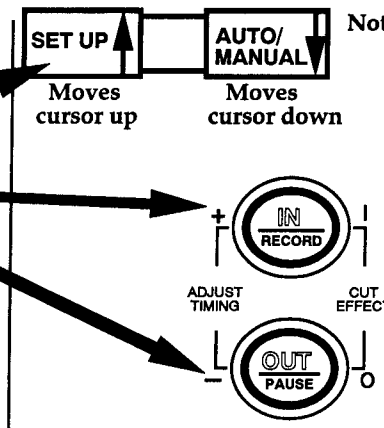
The Editor's pre-set delay times are good for most VCRs. You should not adjust RECORDING OPTIONS unless your VCR reacts to record and pause commands very quickly or very slowly.



If you do need to change RECORDING OPTIONS, move the cursor down to "RECORD DELAY" or "PAUSE DELAY" by pressing the Editor's **arrow keys.**

To increase delay times (for slow VCRS), press the Editor's **IN (+)** key.

To decrease delay times (for quick VCRS), press the Editor's **OUT (–)** key.

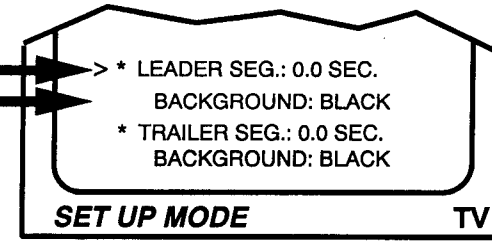


Note: In *Set Up Mode,* white arrows on keys are activated to move cursor.

14. The "LEADER" and "TRAILER" functions put either black or white color at both the beginning and end of the entire video program, for a professional effect.

    To choose length of time for the leader, move the cursor down to the "LEADER" line and press the **IN (+)** key to increase time or the **OUT (–)** key to decrease time.

    b) To choose the leader color you want, move the cursor down to the "BACK-GROUND" line on the screen, then press BACKGROUND key to select "BLACK" or "WHITE".

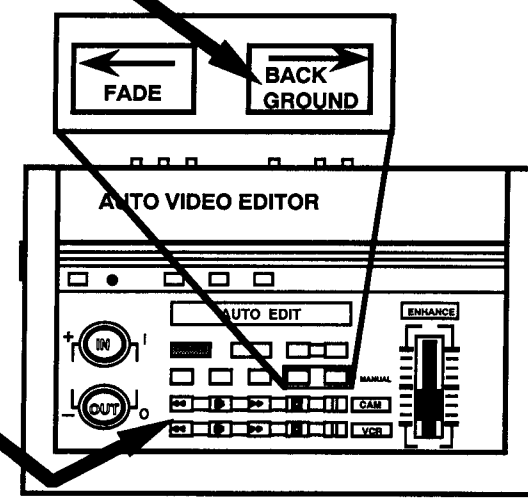


    c) To choose the length of time and the color for the trailer, move cursor down to the appropriate lines on the screen and use the **IN (+)**, **OUT (–)** and BACKGROUND keys, as described in a) and b) above.

15. When you have selected the leader and trailer options, press the PROGRAM key once. This takes you out of *Set Up Mode* and puts you back into *Program Mode.*

16. Put a blank video tape into the recording VCR and make sure it is fully rewound.

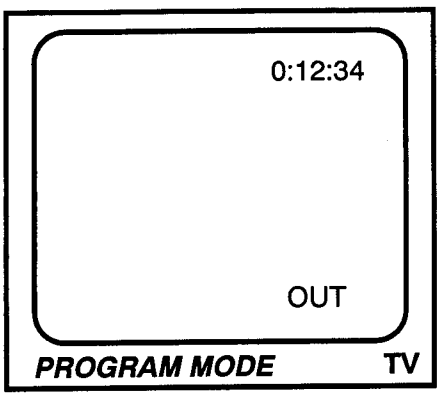
17. You should now test the remote control functions of the Editor. Try out all of the Command Keys – for both camcorder and VCR. You should be able to control all camcorder and VCR functions from the Editor 's keyboard. (If Command Keys do not work, see troubleshooting section.)



IV. Manual Editing

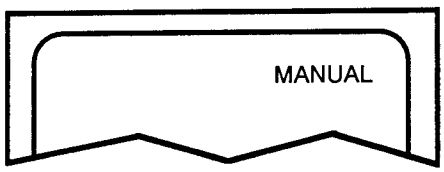
The quickest, easiest way to edit your camcorder tape.

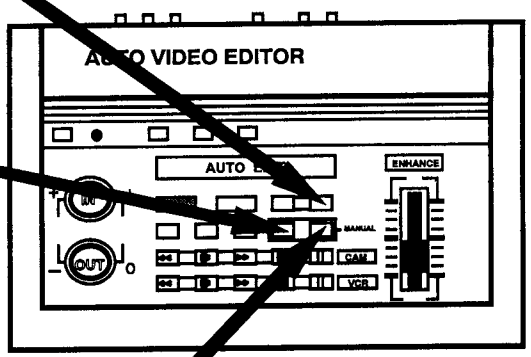
1. After "Preparing to Edit", your TV screen should be back in *Program Mode:*



2. Press the Editor's [AUTO/MANUAL] key:

   The word "MANUAL" will appear in the upper right corner of the screen:





3. Choose the type of transitions you would like between scenes:

   a) To fade in or out of a scene, press the Editor's [FADE] key:

   The [FADE] LED will light up.

   Note: in "Manual" mode, using fade transitions between every scene makes it difficult to start and end scenes exactly where you want to. See "Recommended Transition Technique" below.

   b) Select color of fade (black or white) with Editor's [BACKGROUND] key:

   [BLACK] or [WHITE] LED will light up to show you which color is selected.

   c) To cut in or out of a scene, press the Editor's [FADE] key again.

   The [FADE] LED will turn off.

   d) Recommended Transition Technique:
   - Start with a fade into first scene.
   - After first scene begins, turn fade off (so scene transitions will be cuts).
   - After last scene starts, activate fade again, so final scene will fade out.

Manual Editing

4. Press the Editor's EDIT key:

   Your recording VCR will enter record and pause modes simultaneously.

5. Press the Editor's **camera play** key:

6. As the camcorder tape plays back, mark the scenes you want to keep:

   a) When you see the start of a scene you want to keep, press the Editor's **IN** key:

   The VCR will release pause and start recording.

   b) As the scene that you want to keep ends, press the Editor's **OUT** key:

   The VCR will pause again and to stop recording.

   c) To "delete" any scene from your camcorder tape (that is, not record it onto the final VCR tape), simply leave the Editor in OUT position as that scene plays back.

   d) Continue this procedure throughout the entire camcorder tape. Press **IN** at the start of scenes you want to record; press **OUT** when you want to stop recording.

7. Stop editing and review the final edited VCR tape:

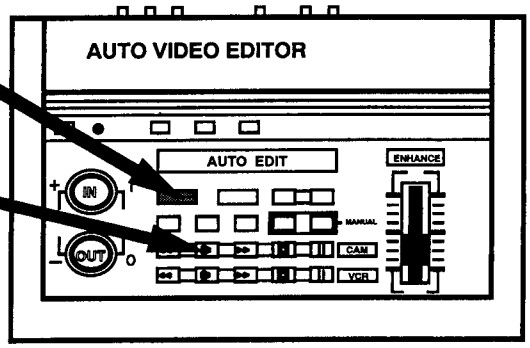
   a) Press **camera stop** and **VCR stop** keys.

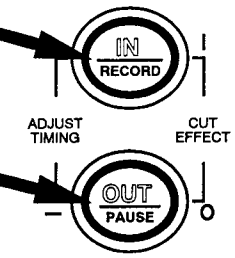
   b) Rewind VCR tape by pressing **VCR rewind** key.

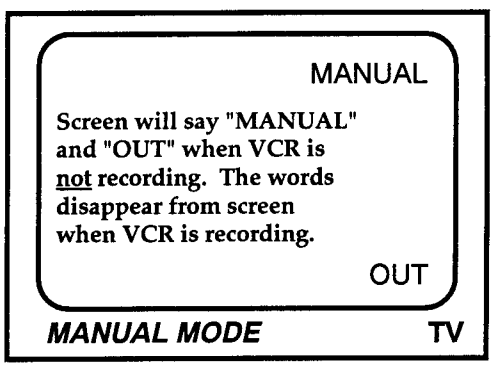
   c) Press **VCR play** key.

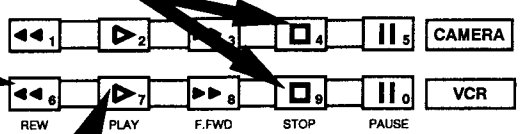
   The VCR will play back the final edited version of your tape.

   Note that your original camcorder tape is still complete – you have not lost any of the original recorded material.









V. Automatic Editing

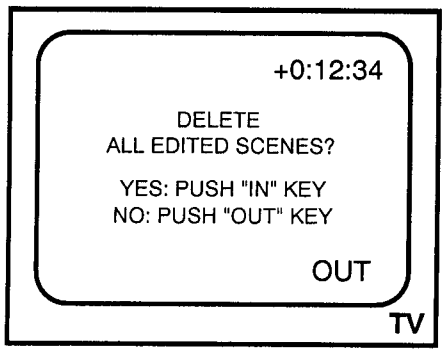
Setting Up

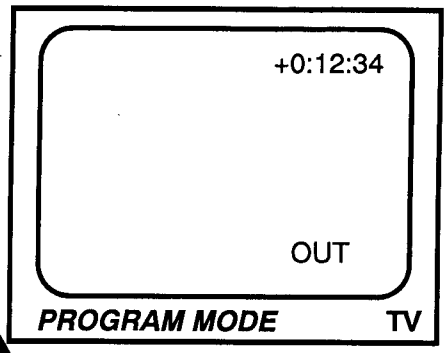
Requires more patience and preparation than Manual editing, but provides more flexibility and accuracy, producing a more polished final video.

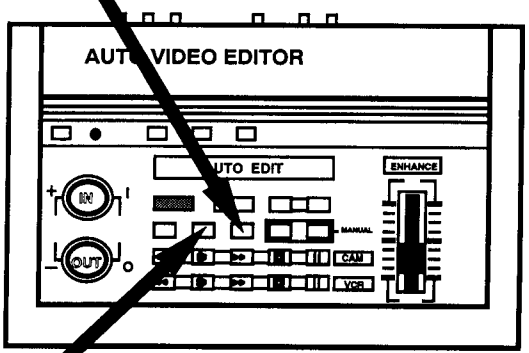
1. After "Preparing to Edit", your TV screen should be back in *Program Mode:*

   Press the Editor's **DELETE** key:

   This on-screen display will appear:







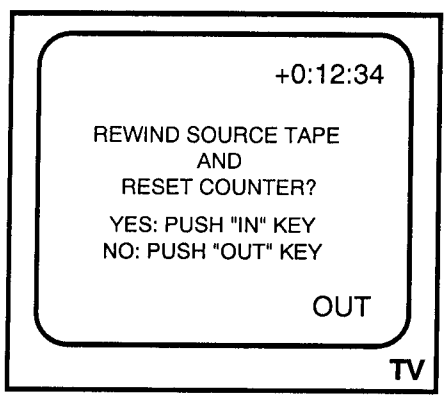
   Since this is the first time you are using the Editor in "Auto" mode, press the **IN** key to answer "yes".

   You would also press the **IN** key if you had an editing sequence stored in memory, but did not wish to keep it.

   If you had an editing sequence stored in memory that you wanted to keep, you would press the **OUT** key to answer "no".

2. Press the Editor's **RESET** key:

   This on-screen display will appear:



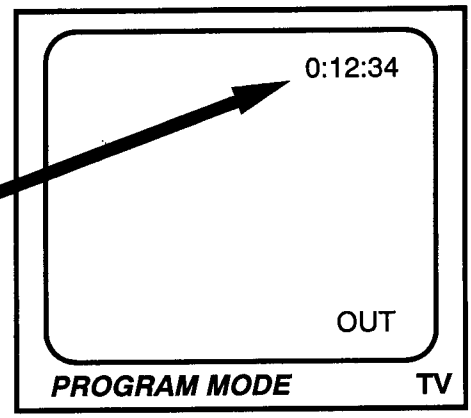
Automatic Editing

a) If you wish to start editing in the middle of your camcorder tape, press the **OUT** key to answer "no". Then wind your tape to the point you want to start editing.

Note: If you start editing from the middle of the tape, the first scene number will be whatever is on camcorder's tape counter.

b) If you wish to start editing from the beginning of your camcorder tape, press the **IN** key to answer "yes".

When you press the **IN** key, the Editor will automatically rewind the camcorder tape and reset the tape counter to "0:00:00".

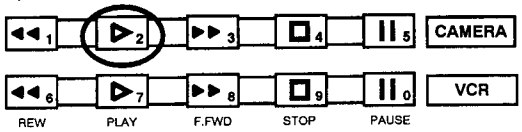


3. After the camcorder tape is rewound to the point you wish to start editing, get ready to take notes on your Storyboards.

The Storyboards are essential for good edit planning and a smooth final video.

a) First, simply write down consecutive numbers (starting with 001) in the "Scene Number" column.

b) Press the Editor's **camera play** key:



c) As your tape plays back, **pause** at the start of each scene you want to keep. In the "Counter Number IN" column, note both the counter number and the image.

d) At the end of each scene you want to keep, **pause** again. In the "Counter Number OUT" column, note both the counter number and image.

e) It is also helpful to make remarks about scenes that will help you choose what sequence to record them in.

Remember: make copies of the blank Story Board so you can take notes on your entire tape.

Example Storyboard Title: Beach Day

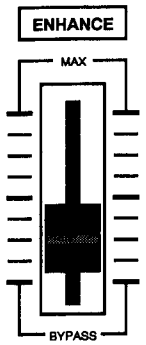
Scene Number	Scene Sequence	Scene Transition IN	Scene Transition OUT	Counter Number IN	Counter Number OUT	Remarks
001				00021 home	00343 packing up	
002				00419 mom	00627 mom	she can't wait to hit the beach!
003				00712 rain on beach!	00725 more rain	mom's not too happy!
004				00953 sun at last!	01149 fishing	
005				01235 sailing	01437 sunset	The end.

Write down the counter numbers where each scene starts (IN) and ends (OUT)

Sketch the images that appear where scene starts and ends

Make any remarks that may help you decide how to use the scene

4. Also during camcorder tape playback, adjust the ENHANCE slide control until you achieve optimal picture sharpness.



5. After all the scenes you want to keep are noted on the Storyboards, you have to decide in what sequence you want to see the scenes, and what transitions you would like to see between scenes.

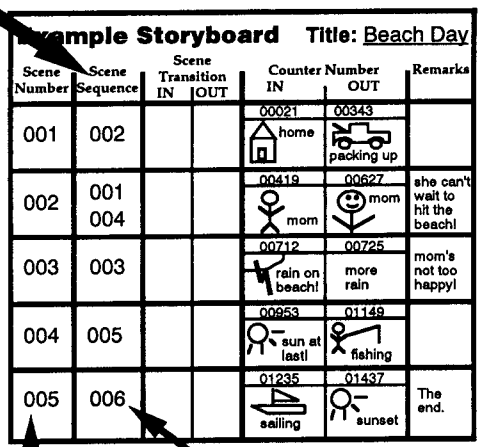
   a) SCENE SEQUENCE. You can mix up your scenes in any order , or keep them in chronological order*:

On the Example Storyboard, the scene sequence chosen for the final video is:

Sequence #	Scene #	Description
001	002	Mom says how much she loves the beach.
002	001	We pack up to go to the beach.
003	003	It's raining at the beach.
004	002	Mom says how much she loves the beach.
005	004	Sun comes out & we go fishing.
006	005	We go sailing & watch sun set.

This means that when you view the final tape after editing is complete, you will see scene number 002 first, scene number 001 second, then scene number 003, and so on.

Note that scene number 002 is given two sequence numbers; it will appear twice in the final video (as the 1st and 4th scenes in the sequence). Note also: because scene 002 is repeated, a six-scene sequence is created from only five scene numbers.



SCENE NUMBER indicates the order in which scenes appear on your original camcorder tape.

SCENE SEQUENCE indicates the order in which scenes will appear on the final edited video.

*** Note:**
For the smoothest final video, minimize the number of changes you make in scene order. Slight frame variances occur when the Editor rewinds and fast-forwards looking for scenes. The more you mix up the chronology of the scenes, the more variance there will be.

b) TRANSITIONS. You can choose the type of transition at the start and end of every scene. There are three types of transitions – CUT, WHITE FADE, and BLACK FADE – which can be combined in many ways.

In your Storyboard's "Scene Transition" column, write the appropriate code for each transition you want.

The Editor's code for scene transitions is:

C = Cut (IN or OUT)

W = Fade IN from (or fade OUT to) White

B = Fade IN from (or fade OUT to) Black

Note: when a scene ends in a fade out, the next scene should either cut in or fade in with the same color.

Also, for a professional effect, the first scene should start with a fade in, and the last scene should end with a fade out.

On the Example Storyboard, Sequence 001 (Scene 002) will fade in from black and cut out.

Sequence 003 (scene 003) will cut in and cut out.

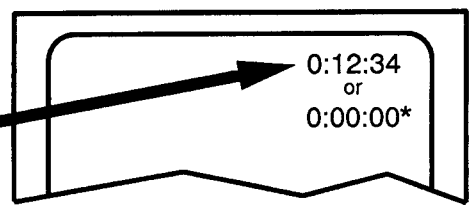
Sequence 006 (scene 005) will cut in and fade out to white.

Example Storyboard Title: Beach Day

Scene Number	Scene Sequence	Scene Transition IN	Scene Transition OUT	Counter Number IN	Counter Number OUT	Remarks
001	002	C	W	00021 home	00343 packing up	
002	001	B	C	00419 mom	00627 mom	she can't wait to hit the beach!
		C	B			
003	003	C	C	00712 rain on beach!	00725 more rain	mom's not too happy!
	005	B	C	00953 sun at last!	01149 fishing	
005	006	C	W	01235 sailing	01437 sunset	The end.

6. When your Storyboards are complete, you must transfer the information into the Editor's memory.

a) Rewind camcorder tape to the counter number you selected as the starting point for your edit (0:00:00 if you are starting at the beginning of the camcorder tape*).



*** Note:**
Some camcorders will rewind to "–0:00:01". If this occurs, press the RESET key. Then, after the screen prompt, press the IN key to answer "YES" (see item 2 on page 10).

Automatic Editing Programming Scenes In Memory

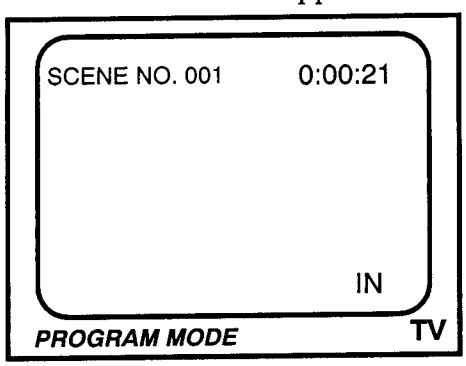
b) Play back the camcorder tape again.

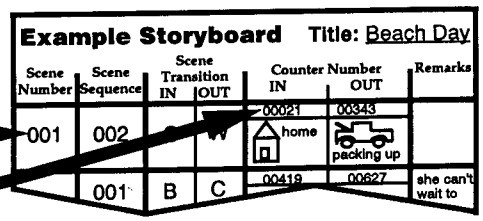
c) Follow your Storyboard:

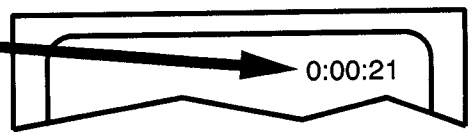
- Look at the first scene number.
- Note its "Counter Number IN".
- When the camcorder's counter number (on TV screen) reaches the Storyboard's "Counter Number IN"...

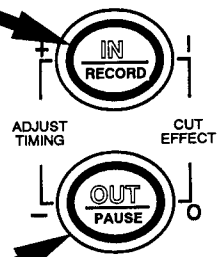
...Press the Editor's **IN** key.

On the TV screen, the "scene status" will change from "OUT" to "IN" and the scene number will appear:

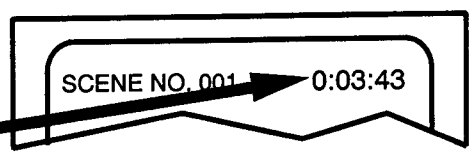








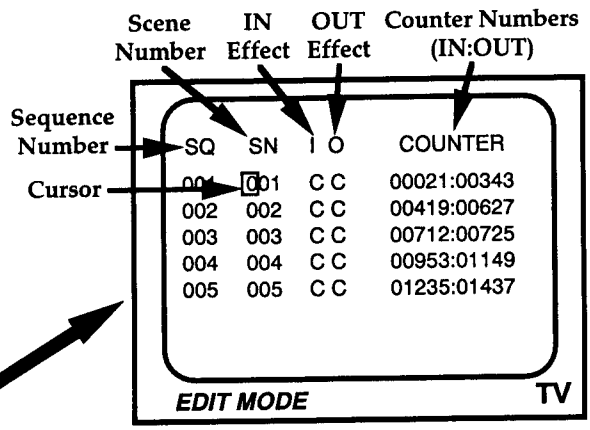
- Press the Editor's **OUT** key when camcorder's counter number reaches Storyboard's "Counter Number OUT".



7. Continue playing back the camcorder tape, pressing the Editor's **IN/OUT** keys to mark the start/end of every scene listed on your Storyboard.

   When you have completed marking all the scenes you want with IN/OUT commands, **stop** the camcorder tape.

8. Press the Editor's PROGRAM key. The Editor will enter *Edit Mode* and display on the TV screen all the scenes it now has stored in its memory. Using the Example Storyboard, this screen would appear:



a) Rearrange scene numbers to match the sequence noted on your Storyboard.

Note: if your chosen sequence numbers are chronological (and therefore identical to the scene numbers), you will not have to rearrange any scenes.

• Move cursor up/down the "SN" column and enter scene numbers in the sequence you want.

Following the Example Storyboard, you would first enter "0", "0", "2":

Note that when scene 002 is entered as sequence 001, all other scenes shift to new sequence numbers, including the original scene 002.

• If you enter a scene into a new sequence position, delete the original position of that scene: move the cursor (with the Editor's **arrow keys**) to the scene's original position and press the DELETE key.

Following the Example Storyboard, you would move cursor down to the original position of scene 002 and press DELETE. The screen would then look like this:

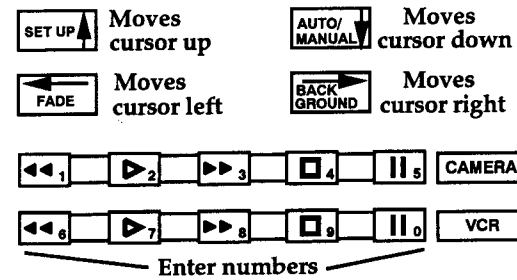
• You would also use this procedure if you wanted to delete a scene from the sequence entirely. Note: deleted scenes remain in the Editor's memory – to retrieve a scene, just enter its number.

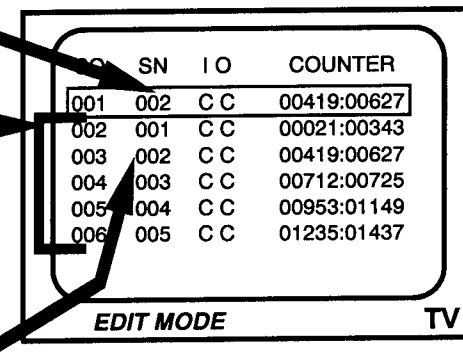
• To repeat a scene more than once in the sequence, simply move cursor to desired position(s) and enter the scene number.

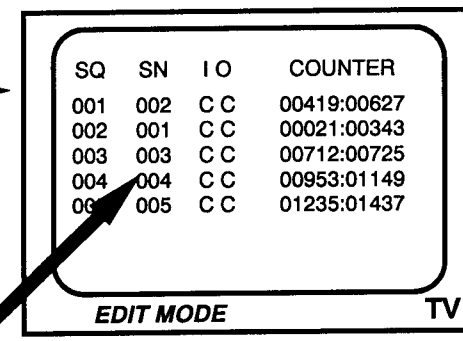
On the Example Storyboard, scene 002 is supposed to be repeated as sequence 004. To enter scene 002 in this position, you would move cursor down the "SN" column to the "SQ 004" row and enter "002".

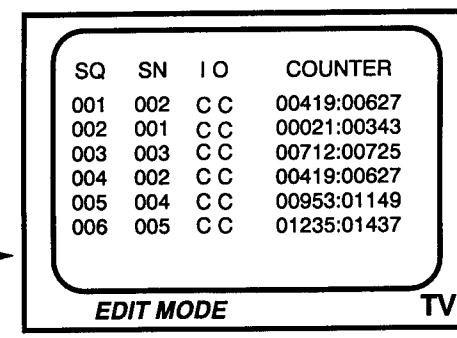
The screen would then look like this:

Note: in EDIT mode, white characters on keys are activated to move cursor and enter numbers:









Automatic Editing Scene Transitions/Preview Mode

b) Select the transition effects for each scene, as noted on your Storyboard:

• Move cursor to the right, to the "IO" column, then up/down to each scene.

• Press **IN/OUT** keys to cycle through choices for IN and OUT transition effects (**C** = cut; **B** = black fade; **W** = white fade).

c) When you have completed arranging the entire sequence of scenes, press the PROGRAM key to exit *Edit Mode* and return to *Program Mode.*

9. Press the Editor's PREVIEW key.

   a) The Editor will automatically rewind and playback the camcorder tape. The TV screen displays *Preview Mode* information:

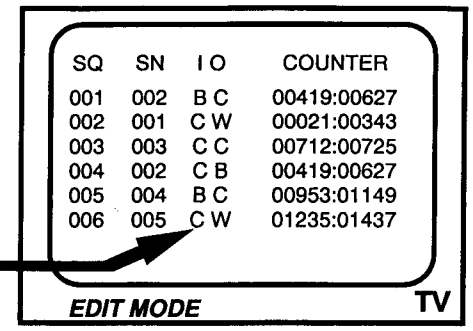
   b) The Editor will cue up and play every scene in the sequence you have arranged.

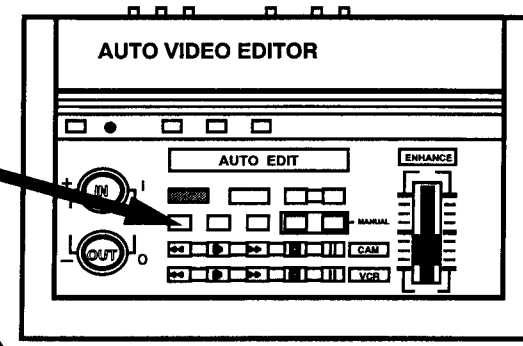
   c) During "cue up time", you will see several seconds of video before each selected scene actually starts. Scenes start when scene status changes from "OUT" to "IN". (During an actual edit, the VCR will begin recording when scene status changes to "IN".)

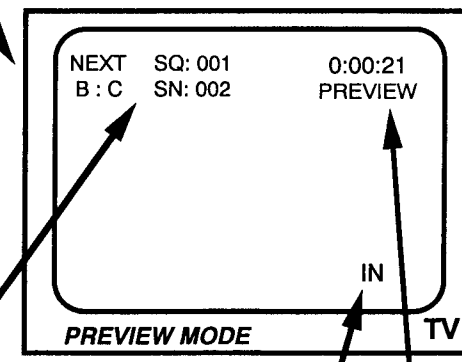
   d) As each scene ends, scene status returns to "OUT", and the Editor winds the tape to locate and cue up the next scene. (During an actual edit, the VCR will pause while scene status is "OUT".)

   e) At the end of the preview, the screen will say "PREVIEW END". Press the PROGRAM key to exit *Preview Mode* and return to *Program Mode.*

10. During preview, you may notice scenes that have imperfect transitions; they may start slightly earlier or end slightly later than they should. But you can return to *Edit Mode* now and adjust the start or end of any scene, frame-by-frame:







Information about NEXT scene:
- **SQ = sequence number**
- **SN = scene number**
- **B:C = IN:OUT transitions**

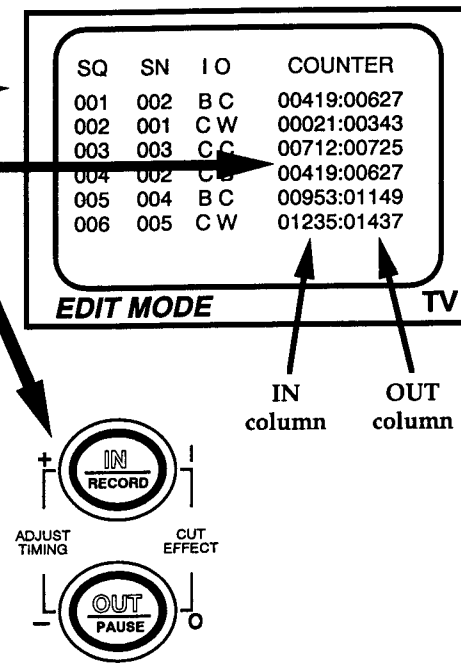
Scene status

Tape counter

a) To adjust the start or end of a scene frame-by-frame, press the PROGRAM key to go back into *Edit Mode:*

b) Move cursor over with **arrow keys** to the "COUNTER" column.

c) Press the **IN (+)** key to add frames; press the **OUT (-)** key to subtract frames.



In practical terms:

- To start a scene earlier, move cursor to the "COUNTER IN" column and subtract frames by pressing **OUT (-)** key.
- To start a scene later, move cursor to the "COUNTER IN" column and add frames by pressing **IN (+)** key.
- To end a scene earlier, move cursor to the "COUNTER OUT" column and subtract frames by pressing **OUT (-)** key.
- To end a scene later, move cursor to the "COUNTER OUT" column and add frames by pressing **IN (+)** key.

On the example screen (above right): Let's say that during preview, sequence 003 (scene 003) looked like it went to "IN" status too late (after the scene actually started). You would need to make the start of the scene come earlier. Thus, you would move cursor to "COUNTER IN" column and press the **OUT (-)** key to subtract frames from the start of the scene (you might change "00712" to "00709").

Note: consecutive scenes must be at least 3 seconds apart. For example, if scene 001 ends at counter number 000123, then you cannot make scene 002 start earlier than counter number 00126.

11. After you have adjusted the start or end of any scene, you can look at it again in an individual scene preview (you do not have to preview the entire tape again):

Automatic Editing

Scene Preview/Auto Editing

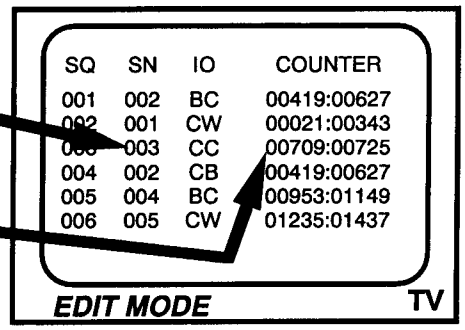
a) To preview an individual scene, move cursor to the "SN" column:

b) Press the [PREVIEW] key.

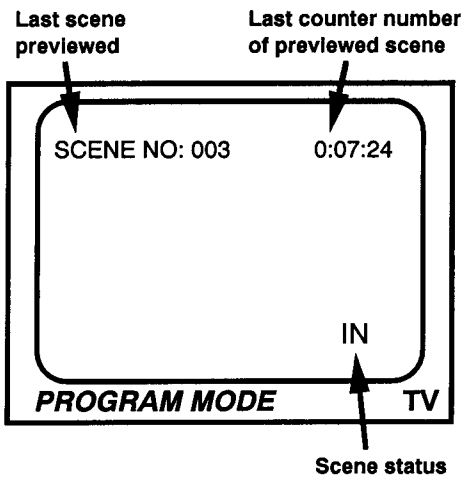
c) The Editor will play back the individual scene you have chosen, with any counter adjustments you have made.

d) At the end of the scene preview, screen will read "PREVIEW END". Press the [PROGRAM] key to exit *Preview Mode* and return to *Edit Mode.*

To adjust or individually preview any other scenes, repeat steps 10 and 11.



12. After adjusting/previewing scenes, press the [PROGRAM] key again to exit *Edit Mode* and return to *Program Mode:*



13. After adjusting several scenes individually, you may want to see another complete preview. If so, repeat step 9.

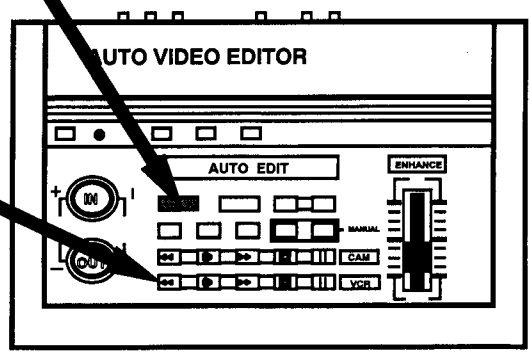
14. After all scene adjustments and previews are complete, simply press the [EDIT] key.

    a) The Editor will automatically record the sequence of edited scenes onto the VCR tape.

    b) At the end of recording, the TV screen will say "AUTO EDIT END". Press the [PROGRAM] key to exit *Edit Mode* and return to *Program Mode.*

15. To view your newly edited video, just rewind and play back the VCR tape using the Editor's **VCR command** keys.

16. When you view the edited video, if there are still imperfect scene transitions, go back to *Edit Mode,* make adjustments, and re-record the final video (just repeat steps 10-15).



Adding Scenes

VI. Post-Edit Modifying

After you have made an Automatic Edit, you may need to insert additional scenes or rearrange the order of scenes.

Note, however, that you cannot make these modifications to Manual Edits.

1. To insert additional scenes on your tape:

   a) Press PROGRAM key for *Program Mode:*

   b) Rewind and play back camcorder tape using Editor's **camera command** keys.

   During playback, existing scenes are noted:

   - Scene status "OUT" will begin to flash 3 seconds before existing scenes start.
   - As existing scenes start, scene status changes from "OUT" to "IN".
   - Scene status "IN" will begin to flash 3 seconds before existing scenes end.
   - As existing scenes end, scene status changes from "IN" to "OUT".

   c) As the camcorder tape plays back, note the counter numbers of both the start and end of any new scene you wish to add.

   d) Rewind and play back the tape again.

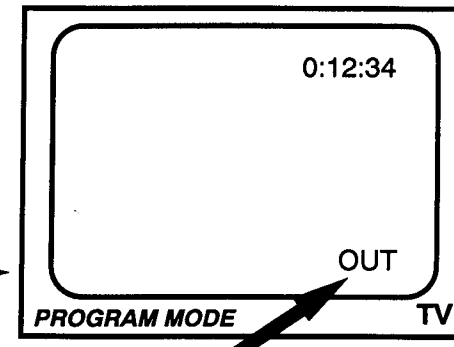
   When the tape counter number reaches the start of each new scene, press the Editor's **IN** key. When the tape counter number reaches the end of each new scene, press the Editor's **OUT** key.

   e) When you have marked all the new scenes you want to add, stop the camcorder tape and press the PROGRAM key to enter *Edit Mode.*

   Every new scene will be retained in the Editor's memory – listed at the end of the "SQ" column.

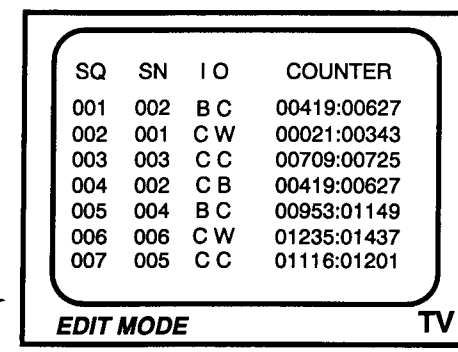
   Following the example scene addition, above, the TV screen would look like this in *Edit Mode:*

   (See next page for detailed explanation.)



Example:

NEW SCENE ADDITION	
counter no. IN	counter no. OUT
0:11:16	0:12:01



Post-Edit Modifying — Adding/Rearranging Scenes

Following the example scene addition, notes A-D, at right, explain how the TV screen appears in *Edit Mode* when new scenes are added to the Editor's memory.

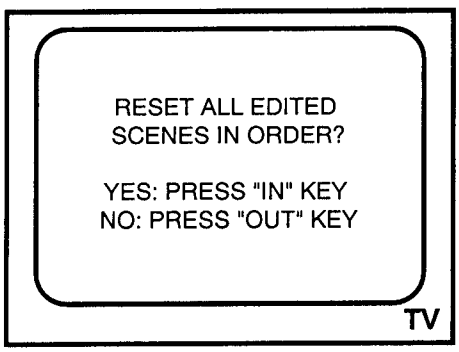
f) You can now rearrange the scenes in any sequence and, if you wish, go through the preview/edit procedure again (steps 8-15 in the "Automatic Editing" section).

2. If you want to substantially rearrange an existing scene sequence, or if you add a lot of new scenes to an existing sequence, the "scene by scene" method of rearrangement may be difficult to use.

   To speed up the process of rearranging many scenes, the Editor offers a RESET command, which restores all scenes to their chronological order (as they appear on the original camcorder tape):

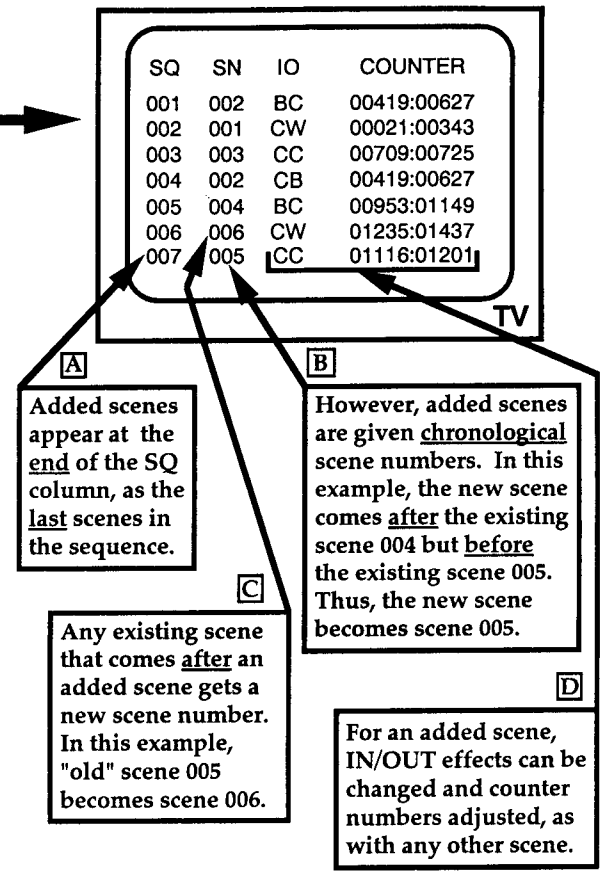
   a) From *Program Mode,* press [PROGRAM] key to enter *Edit Mode.*

   b) Press the [RESET] key. This on-screen display will appear:



   c) Press the **IN** key.

   d) If scene rearrangement is very complex, it might be easier just to go back to the beginning of the "Automatic Editing" section and create a whole new set of Storyboards.



Troubleshooting

Problem	Possible Cause	Solution
No data on screen.	• Power is not on to a device in use. • Cables are not connected properly. • VCR is not in LINE IN mode.	• Turn power on to all devices. • Refer to Set Up diagram on page 2. • Put VCR into LINE IN mode.
Editor will not "learn" VCR remote commands.	• VCR remote is not aimed close enough to Editor's sensor.	• Aim VCR remote closer to sensor (see page 4).
Editor's VCR and camera command keys do not work properly.	• Edit cable is not connected properly. • Wrong "Source Option" was selected. • Editor did not learn VCR commands. • Editor's remote control unit is not pointed accurately at VCR sensor.	• Refer to Set Up diagram on page 2. • Change "Source Option" (see page 6). • Review *Learn Mode* (pages 4-5). • Point Editor's remote control unit more directly at VCR.
VCR does not record & pause when you press Edit key.	• Edit key requires 2 VCR buttons to be pushed simultaneously, but they were not.	• Review *Learn Mode* for Edit key. (page 5).
Picture has too much noise.	• "Enhance" control is set too high.	• Reduce "Enhance" level.
Screen reads: "Counter Not Found" or "Start Counter Not Found".	• Camcorder power is off. • Edit cable is disconnected. • No scenes are stored in memory yet. • Camcorder tape is damaged.	• Turn camcorder power on. • Connect edit cable properly. • Program scenes in memory (page 14). • Replace camcorder tape.
Wrong scenes are edited.	• IN/OUT commands are not used properly.	• Review how IN and OUT commands work during editing (pages 8-9; 10-11).
Scenes are not edited in correct order.	• *Edit Mode* is not utilized properly.	• Review *Edit Mode* (pages 14-15).
A scene is recorded that should have been cut out.	• IN key did not "learn" the right command.	• Review *Learn Mode* (pages 3-4).
A small part of a scene is recorded that should have been cut out.	• "Record Delay" time is too long.	• Reduce "Record Delay" time (page 6).
Scenes are not starting or ending exactly on time. (Accuracy of edit points is generally poor.)	• When camcorder tape was rewound all the way, counter said "–0:00:01" • "Record Delay" time too long/short. • Scene counter numbers (frames) are not adjusted properly yet. • Camcorder tape is old and loose.	• Rewind tape and reset counter to "0:00:00" (page 13) • Adjust "Record Delay" time (page 6). • Adjust scene frames (page 17). • Replace camcorder tape.

More Troubleshooting Next Page

Troubleshooting
Continued

Problem	Possible Cause	Solution
Scenes are not cutting or fading in desired fashion.	• Scene transition effects are not coded correctly.	• Adjust transition effects (page 16).
"Rainbow" noise occurs during scene transitions.	• Recording VCR does not have "FE" type recording head.	• Use a VCR with a shuttle jog dial – most of these have "FE" heads.
Counter number will not change when you press IN or OUT key.	• Counter number is within 3 seconds of preceding (or following) scene's counter number.	• Make consecutive scenes at least 3 seconds apart (see page 17).
There is no response when you press either Preview or Edit key.	• Editor is not in correct mode for keys to work.	• Make sure Editor is in correct mode (see pages 16-18).
Program stored in memory is lost, even with back-up batteries installed.	• Power switch was turned on and off very quickly.	• After turning power on or off, wait at least 3 seconds before turning power off or on again.

Specifications

General

• Dimensions:	270mm (W) x 170mm (D) x 50mm (H)
• Weight:	approximately 1 kg
• Power requirements:	12V DC 500mA

Video

• Input/output impedance:	75 ohms
• Input level:	1.0 Vp-p nominal
• Output gain:	Unity +/- 1dB (into 75 ohms)
• S-video frequency response:	approximately 5.5 MHz

Audio

• Input impedance:	47K ohms min.
• Frequency response:	20-20KHz +/- 3dB
• THD:	0.05%
• S/N ratio:	60dB typical
• Output gain:	Unity +/- 1dB
• Output impedance:	1K ohms

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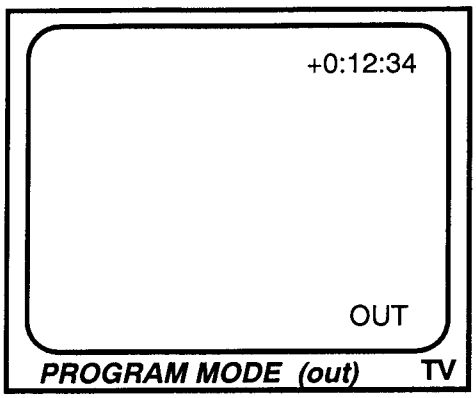

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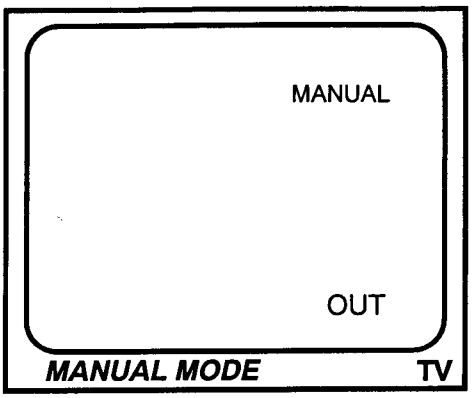

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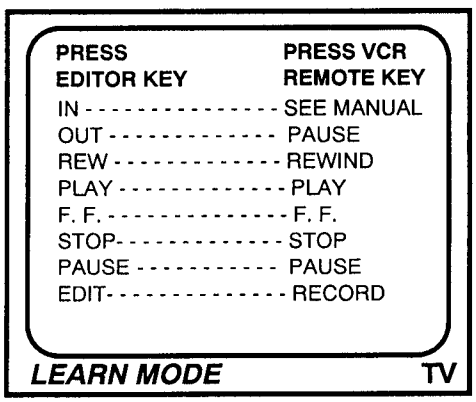

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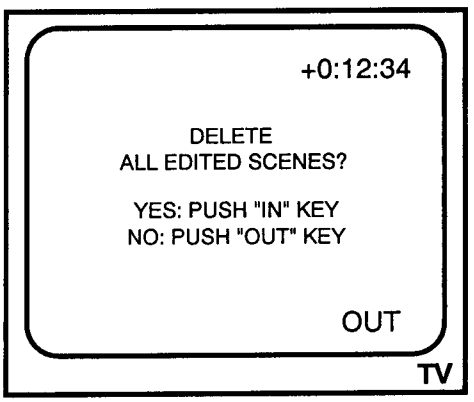

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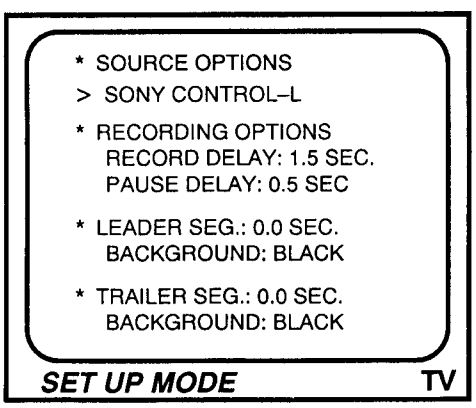

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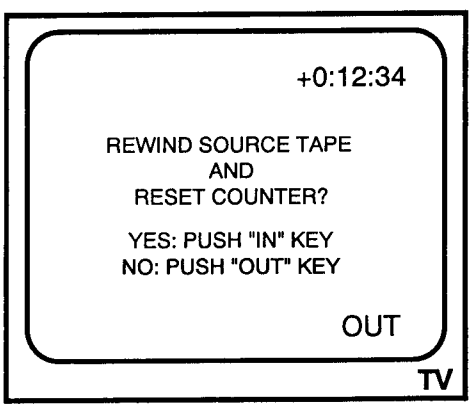

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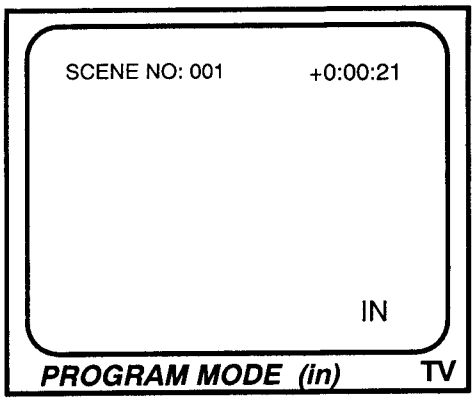

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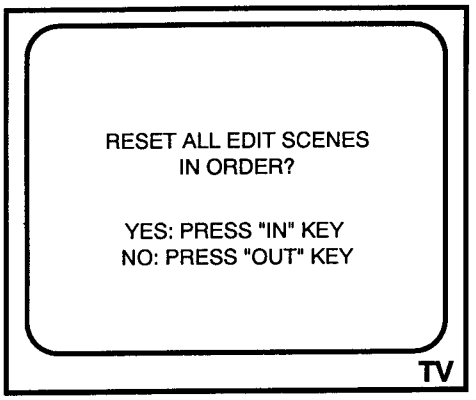

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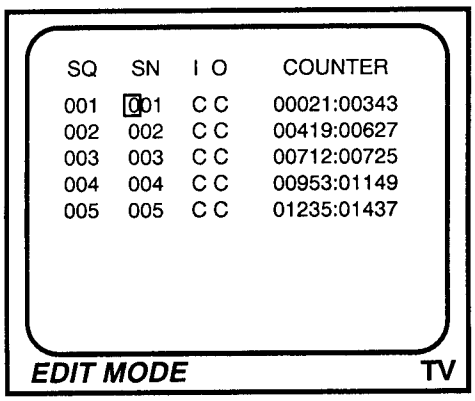

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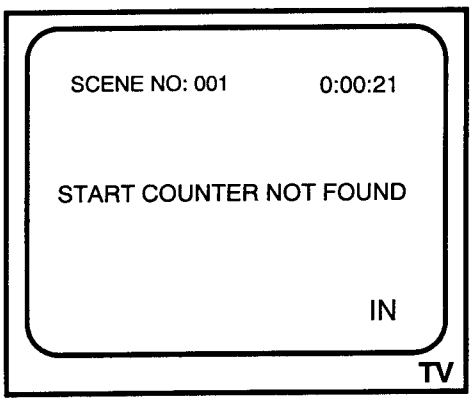

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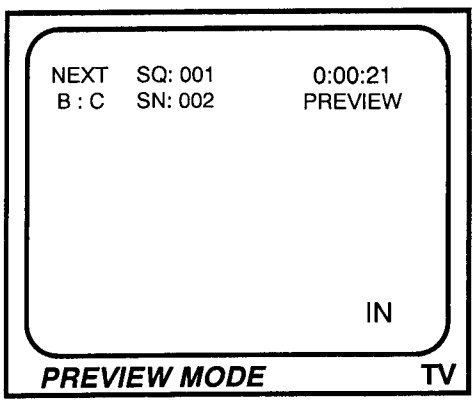

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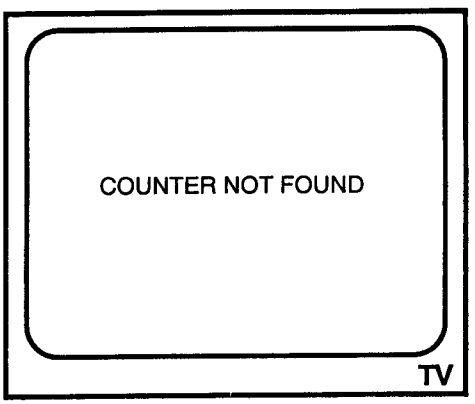

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