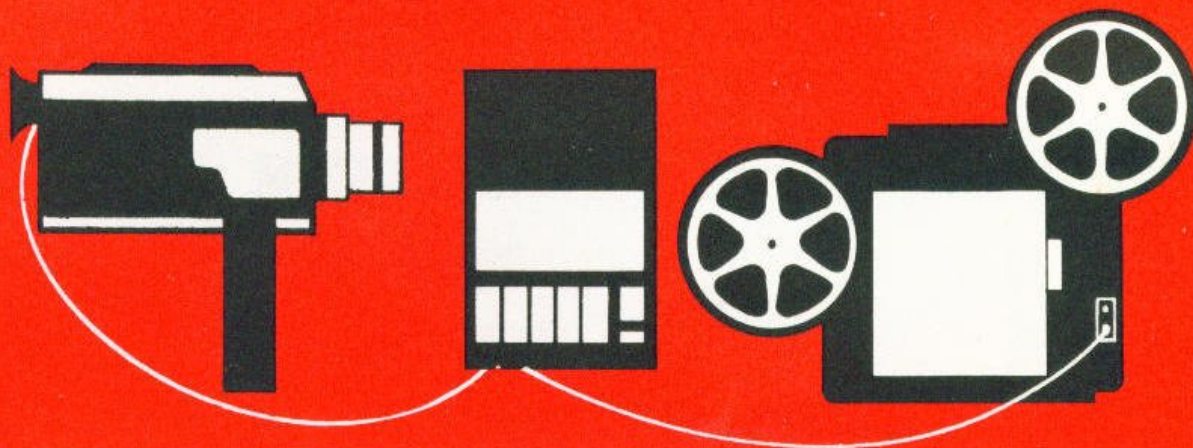




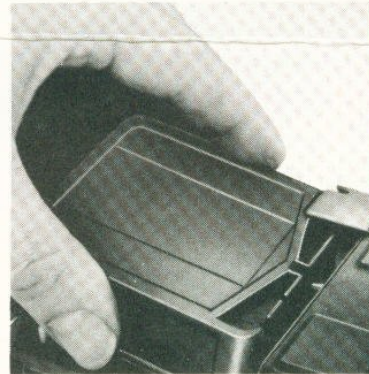
BELL & HOWELL

Canon

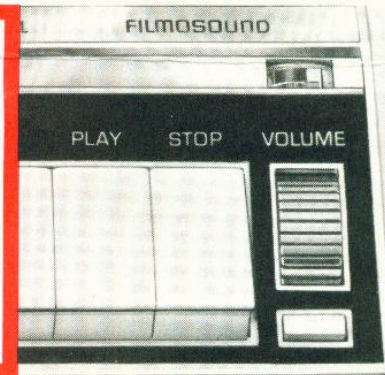


■ STEPS TO MAKE AND SHOW
FILMOSOUND 8 MOVIES

■ "TO MAKE FILMOSOUND 8 MOVIES"



SHOOT A SILENT TITLE FOR REFERENCE



1. LOAD CARTRIDGE OF SUPER 8 FILM INTO CAMERA. BE SURE CAMERA HAS FRESH BATTERIES.

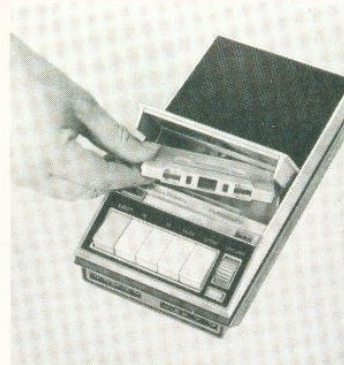
2. RUN-OFF SEVERAL SECONDS OF FILM.

Count: one thousand one, one thousand two. Ready now for next step. Possibly shoot a title or some silent reference to identify the subject you are about to shoot for sound.

3. BE SURE TAPE RECORDER HAS ADEQUATELY FRESH BATTERIES.

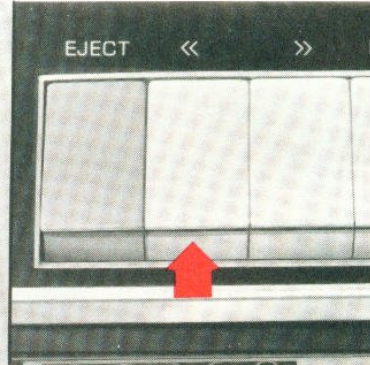
(Push "Play" button down.)
Record meter needle should be in red zone indicating batteries good.

■ TAKING SOUND MOVIES

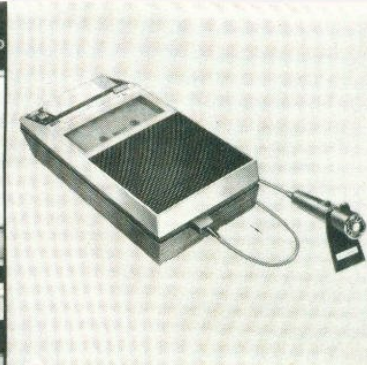


4. INSERT SPECIAL BELL & HOWELL FILMOSOUND CASSETTE TAPE CARTRIDGE INTO THE RECORDER.

Note: Observe the "This side up" notation on the cassette. Only use Bell & Howell cassettes especially packaged for Filmosound use.

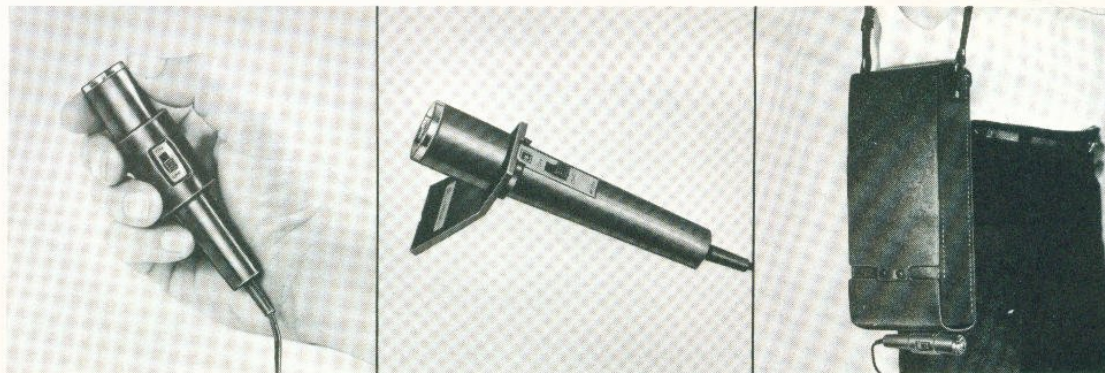


5. PUSH DOWN REWIND BUTTON (indicated by << figure) until all of the tape is on the left hand reel. Recorder will stop turning when tape is completely on left reel. Then push down stop button.



6. PLUG IN MICROPHONE and put switch on microphone into "ON" position. Note: on-off switch on microphone can be used as remote control switch. Refer to "tips" section for remote use.

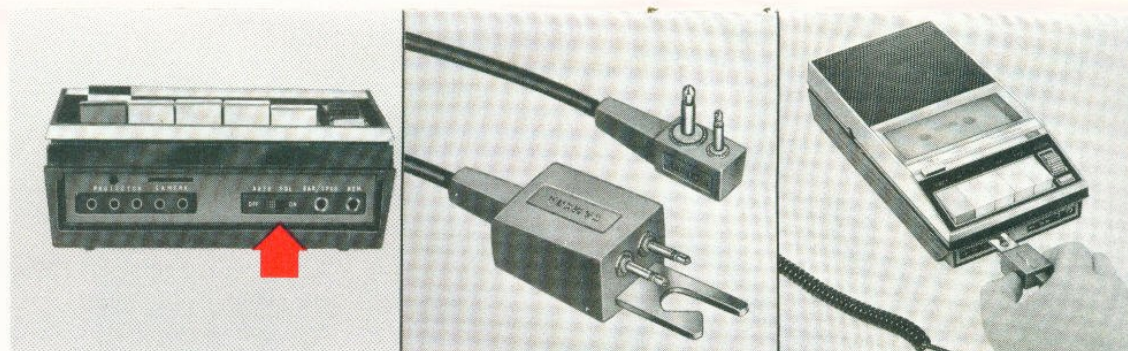
7. MICROPHONE POSITIONING



■ Hand held by assistant. Two or three foot distance will produce best results for voice clarity.

■ Table top when using microphone in easel stand. (Stand and support supplied with microphone)

■ Attached to bottom of recorder carrying case. Use special microphone wrap around which adheres to special surface on bottom of case. Use when desiring general sound.

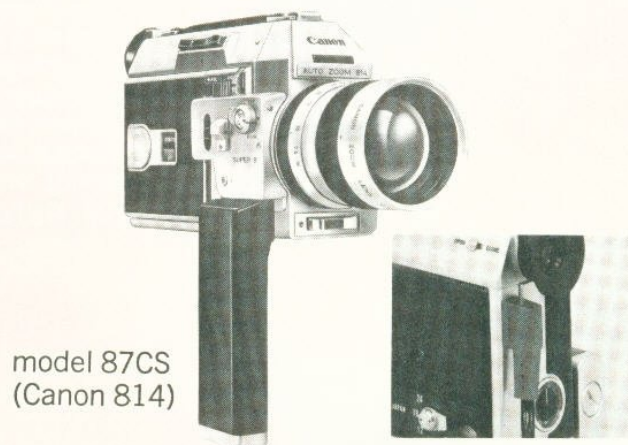


8. TURN AUTOMATIC VOLUME SWITCH to "ON" position. This automatically controls the microphone input volume at the proper level. There is no need to adjust the volume control. Manual control of the volume can be obtained by putting the switch in the "off" position. This requires adjusting the volume control to average the VU meter in the black area for proper results as outlined in your recorder instruction book.

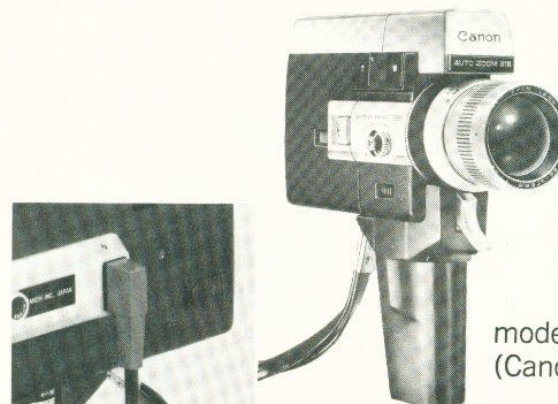
9. FILMOSOUND 8 CAMERA TO RECORDER INTERLOCKING CABLE. A special Bell & Howell Filmosound 8 connecting cable is required with color coded and labeled plugs. (spring coiled cable allows for approximately 10 feet of stretch)

10. INSERT SPECIAL PLUG INTO TAPE RECORDER. Brown plug labeled "Recorder" with special blade. Blade inserts into special slot. (near push buttons) Plug jacks will line up. The special blade allows activating recorder into the record mode without using the record button. Hence, one handed record operation.

■ MAKE CAMERA CABLE CONNECTIONS.



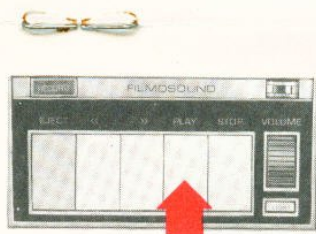
model 87CS
(Canon 814)



model 86CS
(Canon AZ518)

11. MAKE CAMERA CABLE CONNECTIONS

Insert gold colored plug labeled "camera" into special jack on camera.
(pictures indicate different locations on each model)



12. PUSH DOWN "PLAY" BUTTON ON RECORDER.

You are now ready to shoot sound movies. Each time you activate your camera with the "start/stop button" your system is in action. You will get ideal results if you "start shooting" and then signal your actors into sound and action. **Note: there are several seconds lag between the camera starting to run and the tape recorder getting up to speed. Allow at least 2 seconds for this "pick-up" process. This in no way effects the sound synchronizing.** A small light is located in the cassette receptical well to check tape movement and supply. Push down light button and hold down to activate this light.



13. CONTINUE SHOOTING FILM UNTIL THE FILM COUNTER INDICATES COMPLETION OF 50 FOOT CARTRIDGE OF FILM.

Note: Stopping and starting during use of film cartridge does not effect the sound capabilities or synchronization. In case of a stop and then a start, allow at least 2 seconds start up for the tape recorder as explained in previous step.



14. AFTER COMPLETION OF FILM press down "stop" button on tape recorder to disengage the record mode.

Then unplug special cable. Rewind tape to left reel by pressing down on button labeled <<. Remove tape cassette from recorder by pressing down on "eject" button. (This opens cassette door and tips-up the cassette for removal). Remove film cartridge from camera. For continued shooting repeat all steps.

■ TIPS

a. Camera and recorder will only operate in unison if all of the cable hook-ups and mechanical functions are followed as described in steps 1 through 12. Improper connections or switch positions will result in no film or tape movement.

b. Remote control of system can be achieved by using the "on" "off" switch on the microphone when your camera is activated in the lock run position. Follow these steps:

1. After all proper connections are made and recorder and camera are loaded, put microphone switch into "Off" position.
2. Set camera starting button into Lock Run position as described in the individual camera instruction booklet.
3. Turning microphone switch to "On" position activates entire system. As mentioned before allow several seconds lag time for camera and recorder to run at proper speed.

Suggest someone oversee the camera operations for composition, zoom control and to watch for end of film indication.

c. Only use Bell & Howell's specially packaged tape cassettes. These cassettes are specifically designed for proper amount of tape and have proper identification labels for your records.

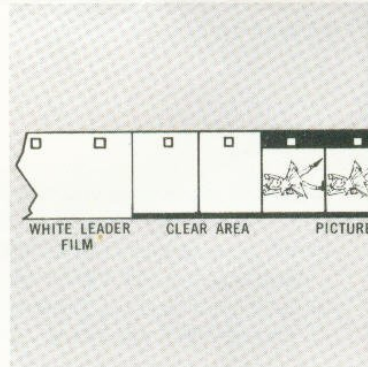
d. To prevent accidental erasure of your recording, follow the cassette tab removal procedure as described in your Tape Recorder Instruction book.

e. Your camera has slow motion capabilities. Do not attempt to shoot sound with slow motion camera operation.

f. Maintain camera and recorder in clean condition at all times. Special attention to clean recorder heads for maximum sound quality must be maintained. Refer to your recorder instruction book for this procedure.

- g. Handle the camera to recorder cable with care. The molded plugs contain vital electronic components. They are of rugged construction but should not be subjected to force or rough handling.
- h. For best results when shooting indoors, use a Bell & Howell/Canon movie lite. Operation is described in the camera and movie lite instruction books.
- i. If you should decide to narrate while shooting pictures, keep the microphone several feet away from the camera to avoid recording the "running sound" of the camera. The microphone is omnidirectional and is sensitive to sound, especially in the two foot or less range.
- j. If you should decide to operate the recorder in the Manual Volume Control operation (auto volume switch in off position and input volume controlled manually) and wish to make a sound test, simply observe the VU meter and adjust the volume control to average the needle in the black or middle area. Do not operate the camera when making this test as the camera operation will put a synchronous signal on the tape which is not normally removable.

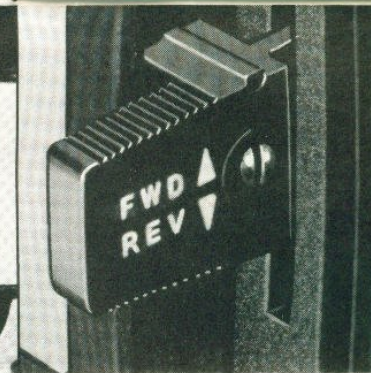
■ SHOWING SOUND MOVIES



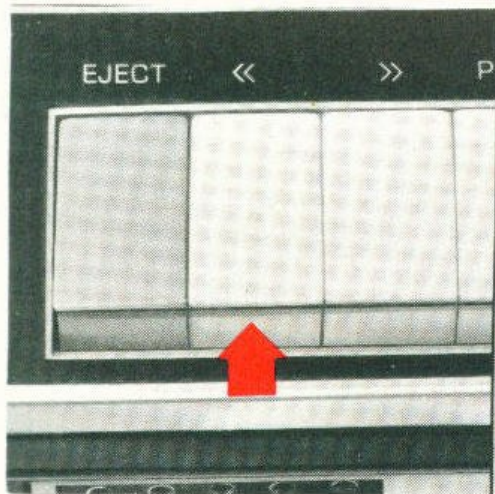
a. Set up your Filmosound 8 projector in the usual manner. Note: Before you put on a sound show, inspect leader on film before threading through projector. If any blank space (clear area) is visible between white leader and first picture, splice this area out so sound will be synchronized with picture.



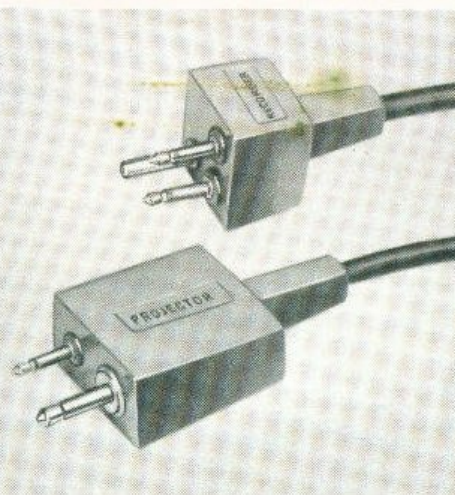
b. Turn the Sound/Speed Control on the projector to its fastest speed. This is done by turning the knob in the direction of the arrow. Sound will not be synchronized unless the Speed Control is set in the extreme "fast" position.



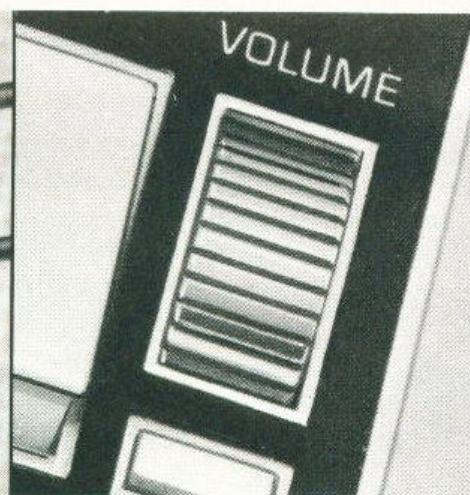
c. Thread film through projector. As soon as leader film splice passes first roller or just before first picture is projected onto screen, move the Forward-Reverse Lever to the center "stop" or still picture position.



d. Place cassette tape recorder near projector. Insert tape cassette into recorder. Press the Rewind Key down on the recorder and hold it down until no tape remains on right hand reel of cassette.



e. Using the special cord, connect the projector and tape recorder together. The plugs are color coded to show proper connections. Green for projector. Brown for recorder.



f. Press Play Button on Recorder and then move the Forward-Reverse Lever on the projector to the Forward position. Adjust Volume Control on recorder. Now sit back and enjoy your show.



g. At the end of your movie, stop camera and recorder. Disconnect cables. Rewind film as described in projector instruction book. Rewind tape cassette until all tape is on left reel.