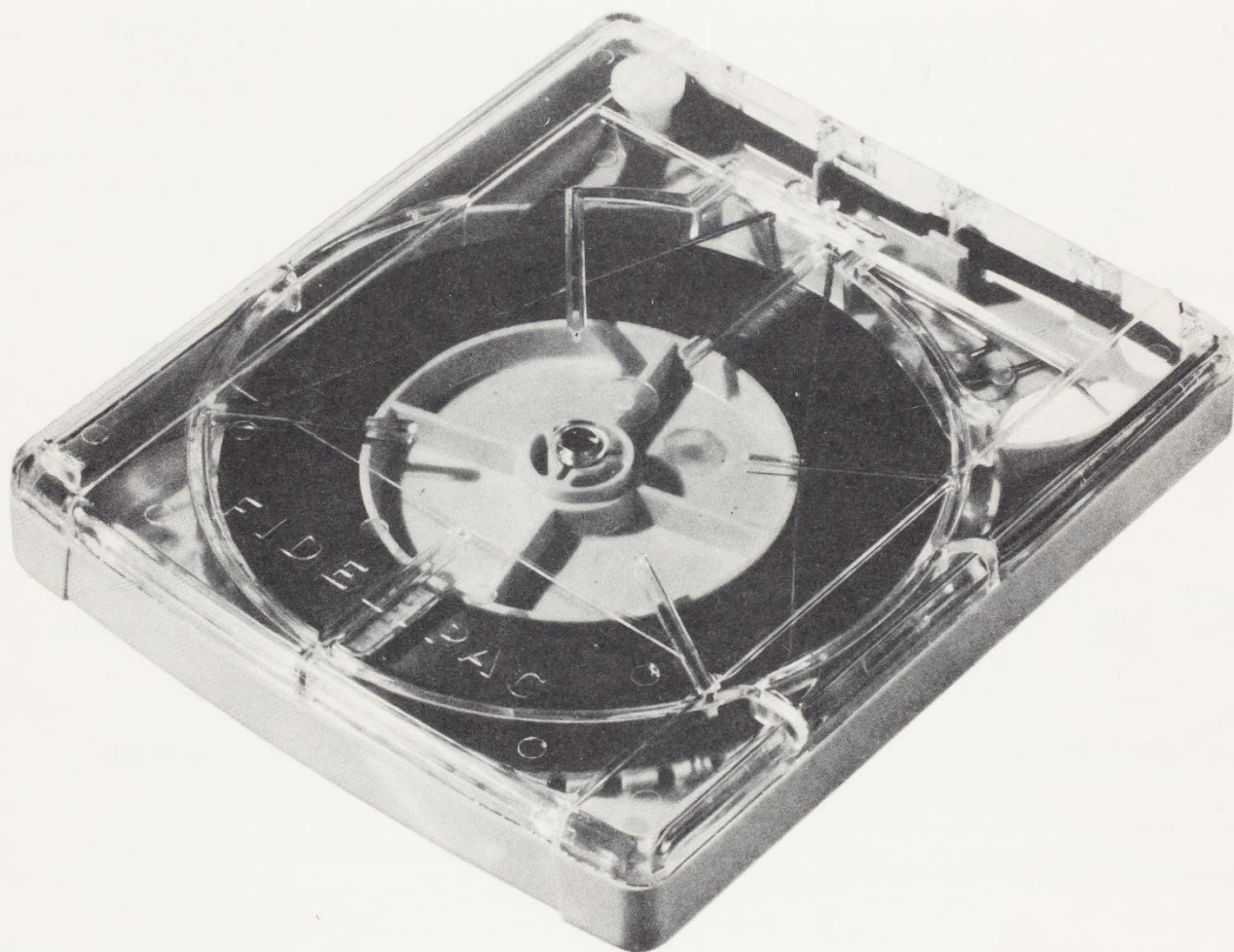


# FIDELIPAC

CARTRIDGE LOADING INSTRUCTIONS



**SOUND ELECTRONIC LABORATORIES**

DIVISION OF G. H. POULSEN CO.

1702 WAYNE ST. • TOLEDO, O.

## INSTRUCTIONS FOR LOADING THE FIDELIPAC CARTRIDGE

GENERAL (Please read these general instructions before following the Loading Procedures on page 3)

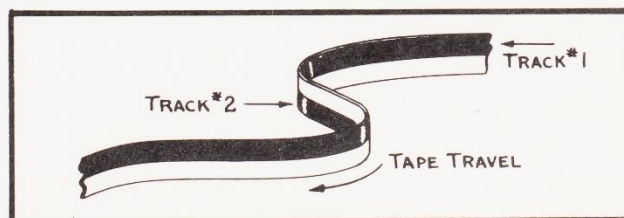
1. It is necessary that the proper tape be used in the cartridge.

At the present time Reeves Soundcraft #442 double-coated tape and Minnesota Mining & Manufacturing #151 single-coated tape are the only two types which have met our requirements for proper operation in FIDELIPAC and are recommended by us. We are now testing other tapes and hope to be able to add them to our recommended list soon.

Reeves #442 double-coated is the type used for moebius loop operation.

Both types may be used for single track or stereo. However, FIDELIPAC will hold 50% more footage when the #151 is used. This is especially important for stereo work.

2. In most cases it is easier to record on a reel-type machine. After the program has been recorded and edited, it can then be easily loaded in FIDELIPAC. When recording directly in the cartridge, it is generally best to have the program edited and of the proper time for the tape contained in the cartridge.
3. When using double-coated tape and moebius loop, programs on both tracks are in the SAME direction:  
Track No. 1 - upper outside;  
Track No. 2 - inside bottom.



GENERAL (Continued)

4. Recording for moebius loop on reel-type machines:

Record on standard half track machines. Record Track No. 1 in normal manner. Rewind. Give tape half twist as it comes off supply reel before going through record head for second track. Then record Track No. 2. Rewind after recording and you are ready to load on FIDELIPAC.

To avoid long pauses, programs on both tracks should be of nearly equal length.

5. When recording directly in the FIDELIPAC Cartridge steps 3 and 4 above are automatically taken care of.

6. Loading the FIDELIPAC reel is quite simple on most non-professional machines since the takeup reel runs free during the rewind operation. Also, on most machines, the supply reel turns in the clockwise direction during rewind.

The VIKING tape deck is one exception we know of, but here the takeup reel turns clockwise and the FIDELIPAC reel is placed on the takeup spindle. The supply reel runs free during fast forward so it is easy to load on.

7. The important things to remember are as follows:

- a. The reel must revolve in clockwise direction during loading. Fig. 2
- b. The tape must be loaded with oxide out. Fig. 2
- c. The start of the program should be at the center of the FIDELIPAC reel when starting to load. Fig. 2
- d. Tape should be fed to the FIDELIPAC reel during loading with as little back tension as possible on the supply reel.

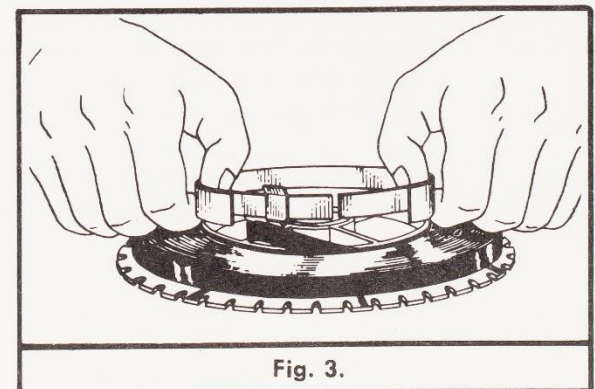
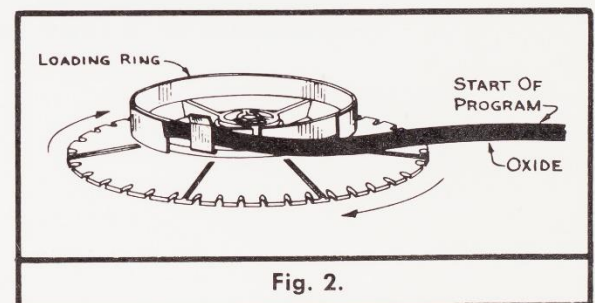
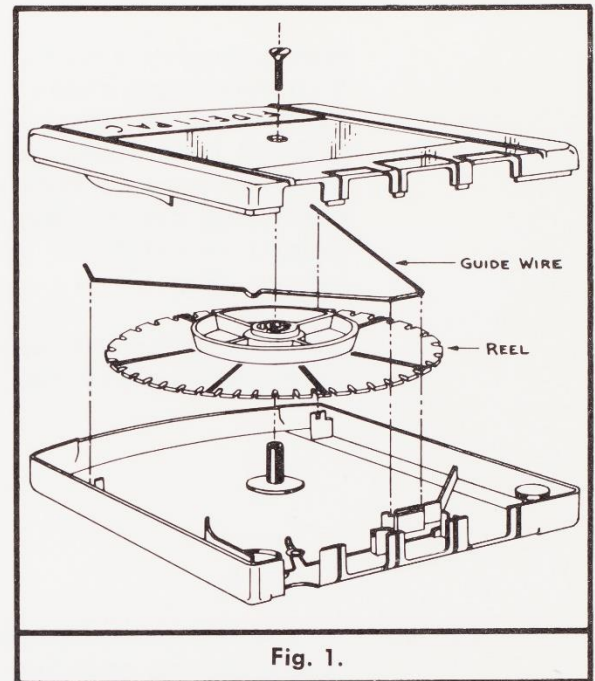


## LOADING PROCEDURE

1. The center screw is removed from the cover. Fig. 1
2. The cover is taken off. Fig. 1
3. The wire guide is removed. Fig. 1
4. The reel can then be lifted out. Fig. 1
5. Place FIDELIPAC reel on supply spindle on most recorders (takeup spindle on Viking). Reel must revolve clockwise.
6. Place metal loading ring over Hub of FIDELIPAC reel - large ears down, clip up. Fig. 2

(Metal loading ring available from Sound Electronic Laboratories, 1702 Wayne St., Toledo, Ohio, or your dealer. \$2.25 ea.)

7. Place reel of tape to be loaded on takeup spindle (supply spindle on Viking Machines.)
8. Give tape half twist and thread through recorder; place end of tape in clip of loading ring on FIDELIPAC reel. Fig. 2. Turn reel once or twice by hand to start tape. OXIDE (dull side) should face out on FIDELIPAC reel. The half twist is not necessary on double-coated tape when recorded on both tracks.
9. Place recorder in rewind position to load FIDELIPAC reel. (Fast forward position on Viking.)
10. After tape is loaded on FIDELIPAC reel, remove reel from machine, disengage tape from clip on loading ring, and lift loading ring off Hub. Fig. 3



## LOADING PROCEDURE (Continued)

11. Make sure all slack tape has been fully wound on FIDELIPAC reel. Fig. 4 Then, by holding tape sticking out at center hub and also, at the same time, placing finger on center hub to keep reel from turning, (Fig. 5), pull on outside end of tape until approximately 18 inches from reel. (Tape will slip off and reel should not turn.)

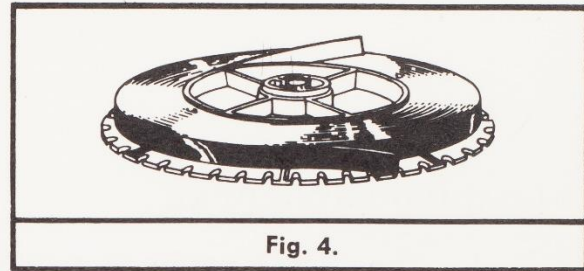


Fig. 4.

Now, remove approximately 8 inches or 9 inches from center by pulling gently on center end of tape. This is best accomplished by holding reel at outside edges to keep from turning too freely while removing center tape. Reel should be turned as required by tape coming off center. Fig. 6

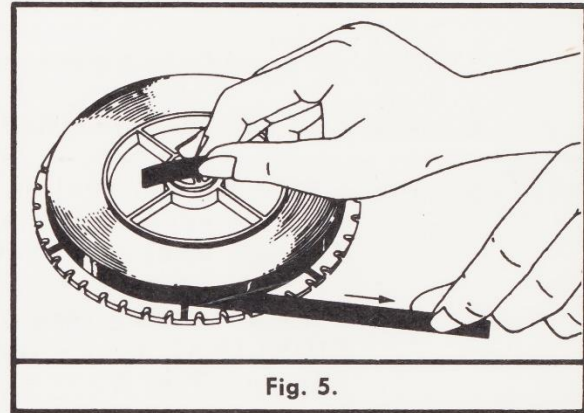


Fig. 5.

About 9 inches of tape should now extend from both center and outside edge of reel.

12. Splice tape in normal manner. Read note below before splicing. Use Mylar base splicing tape if available. Acetate base splicing tape will generally break after approximately 100 hours of operation on a fully loaded cartridge.

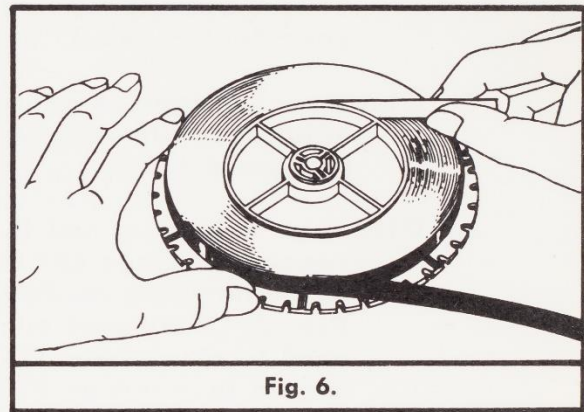


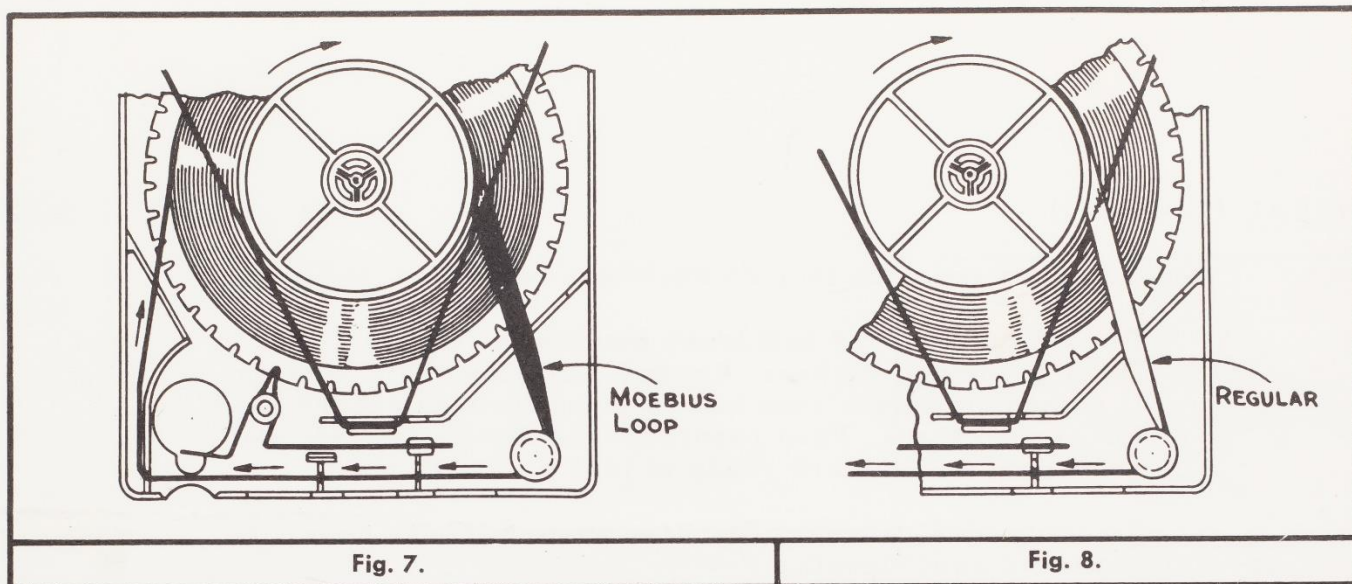
Fig. 6.

### SPECIAL NOTE:

If double-coated tape and moebius loop is used, it is necessary to put a half-twist in the end of tape coming from the center of the reel before splicing. As tape comes from center hub, twist to right so tape slopes toward outside of cartridge as it goes around front post. Fig. 7

The twist is taken care of in the cartridge between the tape guide at edge of reel and the tape post as the tape comes off the center. The tape slopes downward toward center of cartridge without loop (single-coated) (Fig. 8) and downward toward outside of cartridges with moebius loop (double-coated) (Fig. 7) as it goes around the tape guide post at the front of the cartridge.





13. After tape is spliced, place reel in cartridge with cartridge facing forward. With one hand release spring brake over opening in bottom left of cartridge, and pull tape from center until slack is taken up. (Fig. 9) Place tape around guide post through front guide slots and left guides. (Fig. 7) Release brake again and take up all excess slack. Turn cartridges so you face rear of unit. Place long straight side of wire guide under tape coming from center hub and place front of wire guide in front slot. Place ends of wire guide in their respective slots. The short wire should rub the center hub lightly with the top of the wire just about even or slightly below Hub with V in wire below top of Hub. Figs. 8 and 9 show wire guide in place.

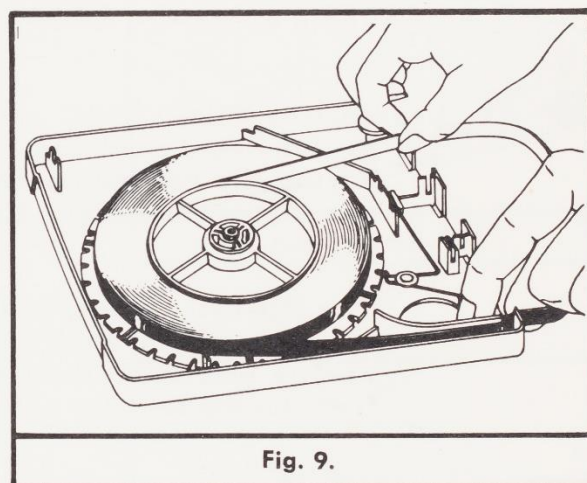


Fig. 9.

14. Put cover in place by first positioning rear of top in place, and then snap front in place. Be sure wire guide did not jump out of holding slots when cover was put in place. Then insert center screw.
15. FIDELIPAC is now ready to place on machine and play. In some cases there is a slight jerking of tape as it comes off center hub until the center slack has worked to the outside where it will disappear.