

For the best in electronics

STAR LITES

4 TRANSISTOR TAPE RECORDER



REGENT-777

with SPEED CONTROL

STAR-LITE ELECTRONICS CORP.

37 WEST 23RD ST., NEW YORK 10, N. Y.

PRINTED IN JAPAN

UNPACKING:

The REGENT-777 tape recorder is packed for shipment in a styrofoam container. To open container slit the paper sealing strip along the seam where the top and bottom sections of the styro-foam join. All packing material should be removed, and the sponge rubber reel retainers should also be removed. A spacer formed of corrugated cardboard is clamped between the motor and the motor cover. (This is necessary to prevent the forming of bumps on the reel rubber tires when the tape recorder is stored for long periods.) This spacer should be carefully removed.

BATTERIES:

Remove the cover for the battery case by removing screw located on the rear of the tape-deck of the recorder. Connect the 9 volt battery (No. 006P) to the snap-on battery connector. Insert the 2 flash-light "C" cells. (No. UM-2) The cells should be inserted with the positive connections (small cylindrical caps) contacting the central spring finger, and the negative sides or the zinc bottoms contacting the spring contacts on each side of the battery compartment. Make sure that the contacts are pressed firmly against the battery with sufficient pressure to insure positive contact.

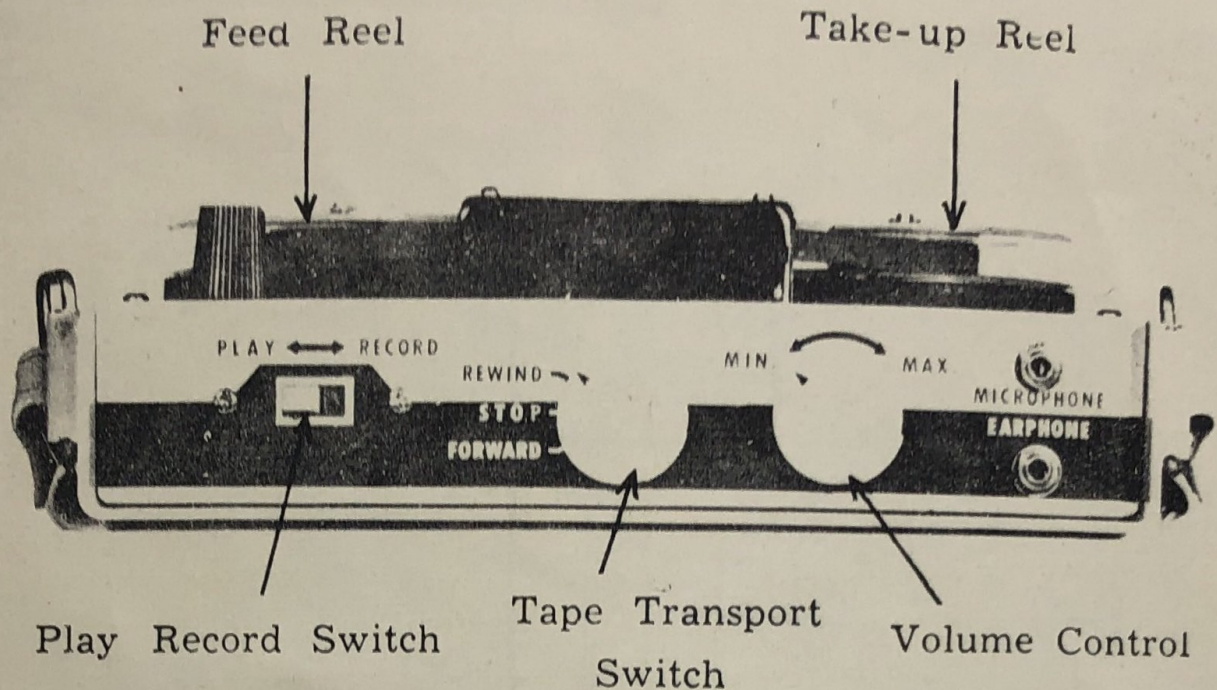
TAPE THREADING:

The left reel is the feed reel, and the right reel is the take-up reel. A supply of magnetic recording tape is furnished with the recorder, and should be placed on the left reel after removing the packing. (See illustration) The tape transport function switch should be in "STOP" position otherwise the tape head pressure pad will prevent proper threading of the tape. The end of the tape should be secured in the empty take-up reel, and the reel given a few turns to wind tape firmly. Care should be taken so that uneven winding will not take place, since this will cause uneven take-up speed and will result in poor reproduction. Shiny side of tape always faces outwards.

RECORDING:

Plug the microphone furnished with the tape recorder into the front panel jack marked "MICROPHONE". Plug the magnetic earphone furnished with the tape recorder

CONTROL POSITIONS



into the jack marked "EARPHONE". Set record switch into "RECORD" position. The warning indicator attached to erase magnet will indicate red. Switch tape transport switch to "FORWARD" position. Turn volume control to approximately middle position, — sound should be heard thru the earphone. Adjust volume level with volume control to suit recording conditions.

NOTE: Magnetic tape has a remarkable dynamic range, and can accommodate a wide range of sound levels. However, when the background noise is intense, the volume should be reduced, and one should talk close into the microphone for best results. In most cases poor recordings result from excessive background noise. When the amplifier battery is weak, the amplifier will still play on playback but recordings will have excessive distortion. An indication of when to change batteries is when the 9 volt battery reads 7 volts while the amplifier is connected and is drawing current in "RECORD" position.

REWINDING TAPE:

The recorder is equipped with a safety interlock to prevent accidental erasure of recording while rewinding. Rewind will not operate if "RECORD-PLAY" switch is in "RECORD" position! Always return "RECORD-PLAY" switch to "PLAY" position before rewinding. When

function switch is turned fully counter clockwise the tape will rewind at high speed. The spot where your recording started can usually be found by the irregularity produced on your take-up reel when the recording started, another easy method is to slip in a thin piece of paper where the recording started. It is a simple matter to rewind till the piece of paper falls out.

PLAYBACK:

Before playback care should be taken to be sure that the Record-Play switch is in "PLAY" position otherwise accidental erasure of valuable recordings may result. Set tape transport switch to "FORWARD" position, remove earphone from jack and adjust volume for correct listening volume. When gain on amplifier is excessive severe distortion will result so the volume control should be set with discretion for best listening.

RECORDING AND PLAYBACK ON TRACK 2:

When the tape has been completely wound on to the take-up reel, switch to "STOP" position and remove the takeup reel and the now empty feed reel and reverse positions of full reel of tape and feed reel. Follow the usual tape threading instructions. Now you will be ready to record or play on Track 2. In this way double the time can be obtained as when compared to full track recording.

OILING:

Do not oil motor bearings. Apply light grease to reel spindles after removing retaining rings. Rattling noise of take-up feed reel indicates reel spindles require oiling.

IMPORTANT NOTICE

IF MOTOR FAILS TO TURN immediately after unpacking and loading batteries, inspect polarity of batteries, record-play switch should be in **PLAY** position for rewind, also motors have tendency to stick after prolonged storage.

TO CORRECT place function switch in **REWIND** position and turn left reel in clock-wise direction, the motor should turn under its own power if batteries are fresh and inserted correctly.

Special care should be taken to see that no oil gets

on to the rubber tire of the reel turn tables.

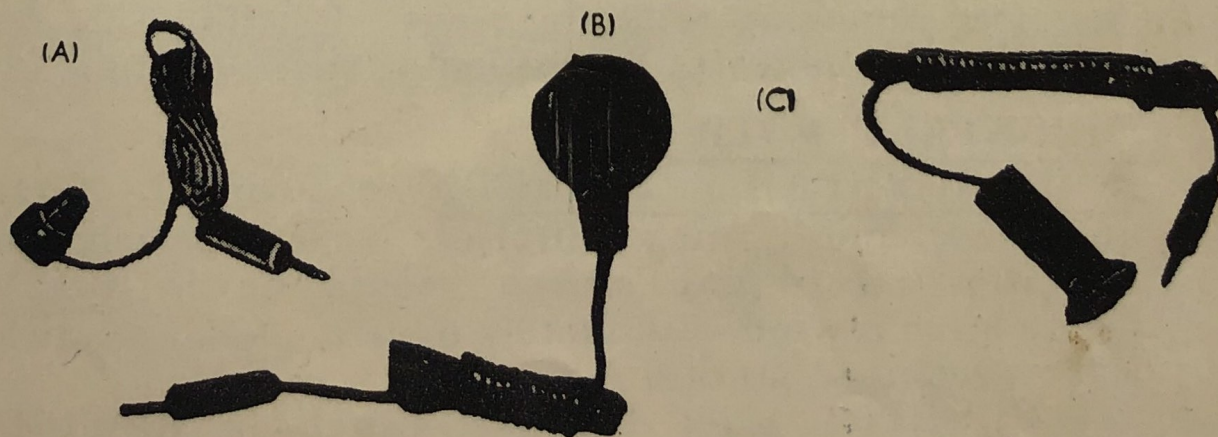
SPEED CONTROL

The motor speed regulator control on left side of the tape recorder provides speed regulation of the motor. When the knob is turned to the LEFT the speed slows down, and when turned to the RIGHT the speed increases. When a new battery is inserted the speed regulator should be set at a little to the left of mid-position. It is good practice to record at a slow speed to get maximum recording time; however, a slow speed will tend to give you lower tone quality. The user should experiment with various speeds to determine that which will be most satisfactory. The speed control permits a speed variation of approximately 20 per cent, so that by practice, recordings at the standard speed of 3-3/4 inches can be made so that recordings of speech can be played on constant speed machines with good intelligibility.

TELEPHONE PICK-UP WITH SUCTION CUP.

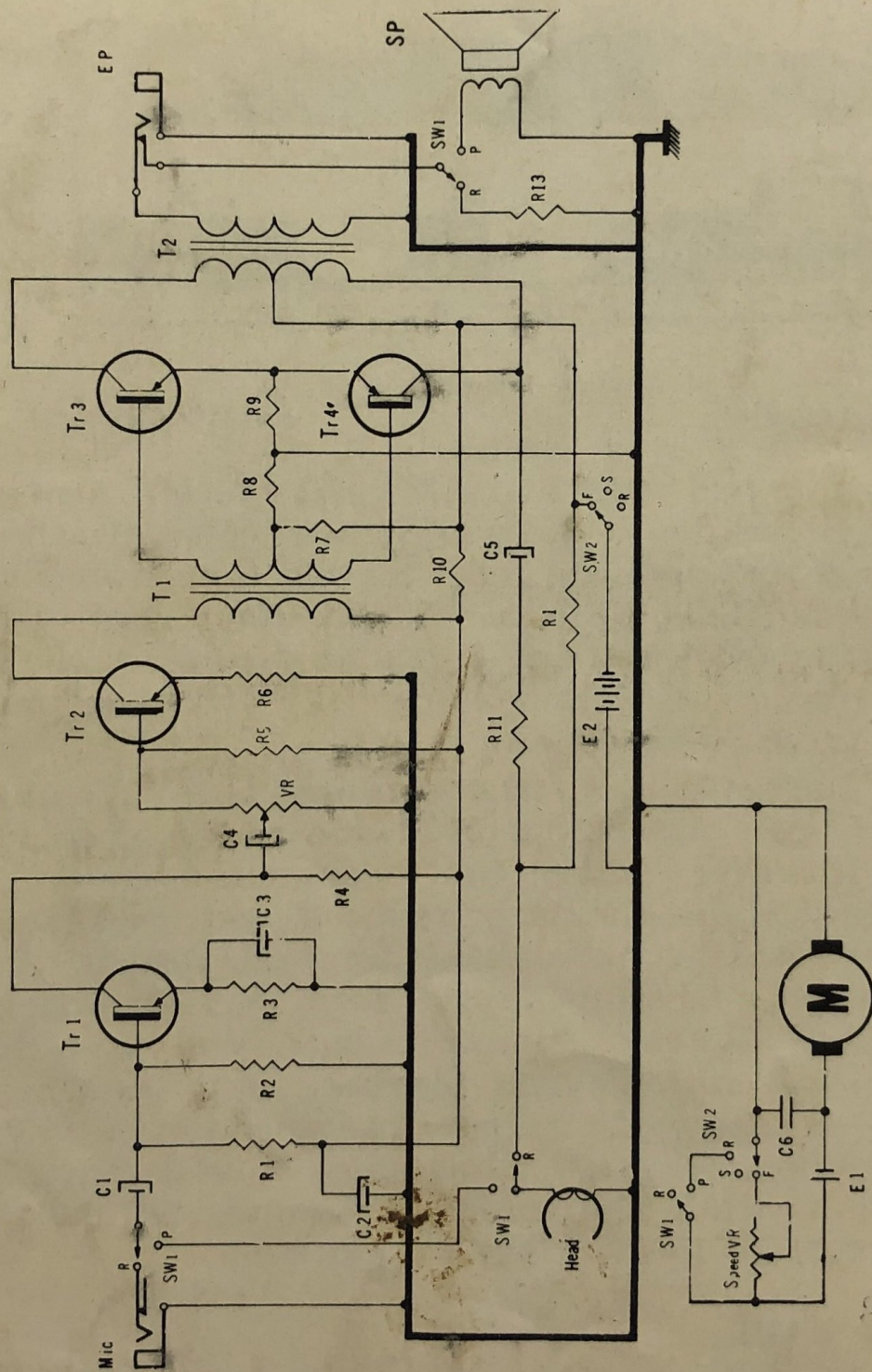
Insert the telephone pick-up's plug into the "MIC" jack on the front of your tape recorder. Wet the suction cup slightly and stick the telephone pick-up onto the back of the telephone base (opposite end from the dial) and by following the recording procedure you can record the telephone conversation.

ACCESSORIES



- (A) Low Impedance Magnetic Earphone (Furnished with Tape Recorder)
- (B) High Impedance Crystal Microphone (Furnished with Tape Recorder)
- (C) Telephone Pick-up Small Size with Suction cup. (Furnished with Tape Recorder)

SCHEMATIC DIAGRAM MODEL REGENT-777



- TR-1 — 2SB75B
- TR-2 — 2SB75B
- TR-3 — 2SB75B
- TR-4 — 2SB75B
- R 1 — 50 K Ω
- R 2 — 10 K Ω
- R 3 — 1 K Ω

- R 4 — 5 K Ω
- R 5 — 150 K Ω
- R 6 — 60 Ω
- R 7 — 5 K Ω
- R 8 — 100 Ω
- R 9 — 10 Ω
- R 10 — 1 K Ω
- R 11 — 10 K Ω

- R 12 — 25 or 35 K Ω
- R 13 — 10 Ω
- C 1 — 10 mfd
- C 2 — 100 mfd
- C 3 — 10 mfd
- C 4 — 10 mfd
- C 5 — 10 mfd
- C 6 — 0.04 mfd

- VR — 5 K Ω
- SW-1 — BS-62B
- SW-2 — MRS-133
- E1 — 1.5 V "C" Cell
- E2 — 9 V Portable Radio Batt.
- T1 — Input Transformer
- T2 — Output Transformer