Timex Magnetic Disc Recorder (1954 - 57)

From *National Jeweler*, October 1954

New TIMEX Magnetic Recorder

Less than 9 lbs. Complete == 9 1/2” x 11 1/2” x 4 7/8” high overall.

Unit, complete with microphone, radio-phono cord, eraser magnet and one recording disc $59.95. Dealer cost $39.96

Extra Attachments Available

NOW - for the first time, a recorder with all of these features:

Low cost
Simple to operate
Small size
Plays 45 RPM records
Discs can be folded and mailed
Discs compact for storage

This unique new magnetic disc recorder is especially suited to home and family use. It will record 'sound albums' of anniversaries, engagements, children's first words, birthday parties, correspondence in sound from distant friends and relatives. It will record direct from radio, phonograph and TV; and can be used for business recordings.

The unit is as simple to operate as a standard record player; nothing to thread, no tape to break or tangle, no needles to wear out, no complicated controls, no accidental erasures.

The recording discs, iron oxide on a plastic base, are extremely smooth, lightweight and flexible. They can be folded and mailed without damage - only first class postage required. Over 100 discs can be stored in the space required for one standard record album.

The scans and photos below of the Timex ad, manual, and equipment, were supplied by Joe Urban, whose uncle purchased the machine in 1957. Click on each image for a larger view.
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**Operating Instructions**

**Preliminaries**

1. With the On-Off switch in the OFF (left) position, and the speed-change lever at Neutral (N) position, insert the AC power plug into the receptacle on the rear panel. (See Diagram 3.)

2. Place Recording Disc on turntable with the Jill magnetic coated side up.

3. Place Turning Disc on top of Recording Disc, making sure to align the white index line on the inner edge of the disc with the small 3/4 inch diameter index hole in the recording disc.

4. Place Style B under groove of recording disc as recording head rests squarely on an outside part of recording disc.

5. With the volume control of radio, television or phonograph turned down, adjust volume control of recorder until the sound level indicated by the needle needle on the sound meters reads the proper level. (See Diagram 4.)

6. Place the speed-change lever at 3/2 RPM (U) position when recording is completed.

**To Play Back a Recording**

1. Set selector switch to Play Position (full clockwise).

2. Place Style B under groove of disc as recording head rests squarely on the outside part of recording disc.

3. Start recording at the right speed.

4. Adjust Volume Control for desired listening level.

5. Place speed-change lever back to Neutral (N) position at end of playback.

6. Place speed-change lever back to Neutral (N) position for playing back tape.

7. Place Speed changer lever to 15 RPM (Hi) position.

8. Hold down magnet supply switch on exposed portions of recording disc for at least one complete revolution of the disc.

**To Play 45 RPM Phonograph Records**

The rear panel of the Timex Record Player is made of a two parts, the turntable base and the magnetic head. To play 45 RPM phonograph records, it is necessary to have the Timex Phonograph Attachment Kit. This kit consists of a plastic phonograph head which is used in place of the magnetic head, and an 45 RPM record adapter button.

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**Specifications**

- **Model 40**
- **Turntable Speed**: 3 3/4 and 45 RPM
- **Frequency Response**: 100 to 4000 cycles per second
- **Power Requirement**: 150-120 Volts — 60 Watts Max.ATT.
- **Power Output**: 1 Watt unattenuated — 1/2 Watt Max.
- **Input**: 6000 ohms input.
- **Output**: 4 Ohm Speaker, 3.2 ohms.
- **Cartridge**: 36 VC.
- **Balance**: Permanent Magnet.

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**Notes**

Correct recording is of great significance for good recordings. Remember to insert the needle close to the center of the inner edge of the disc, or else poor results will be obtained. When turning on or off the unit, be sure to move the knob to the right side or to the left to avoid electric shock.

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http://ftldesign.com/Timex/index.htm
**SERVICE INSTRUCTIONS**

The Timex Magnetic Disc Recorder may be serviced by a competent radio or television service personnel with the help of the following instructions, schematic and parts list.

**TO CHANGE TUBES**
1. Unplug line cord and turn line switch off.
2. Remove screws at bottom of cabinet.

**TO REMOVE CHASSIS FROM CABINET**
1. Remove front panel screws.
2. Remove panel from cabinet.
3. Remove feet from cabinet.
4. Remove 3 screws from bottom cabinet.
5. Remove 3 screws from bottom cabinet.

**Parts List**

<table>
<thead>
<tr>
<th>No.</th>
<th>Part No.</th>
<th>Description</th>
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<tbody>
<tr>
<td>1</td>
<td>10000</td>
<td>Power Supply</td>
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<tr>
<td>2</td>
<td>10001</td>
<td>Transformers</td>
</tr>
<tr>
<td>3</td>
<td>10002</td>
<td>Motor, 150W</td>
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<tr>
<td>4</td>
<td>10003</td>
<td>Motor, 10W</td>
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<tr>
<td>5</td>
<td>10004</td>
<td>Speed Change Lever</td>
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<tr>
<td>6</td>
<td>10005</td>
<td>Speed Selector Assembly</td>
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<td>7</td>
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<td>14</td>
<td>10013</td>
<td>Speed Selector Assembly</td>
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**IMPORTANT**

When making or playing back a recording be sure to place the index mark on the outside of the tracking disc over the index hole in the recording disc. If speed is incorrect or cued, or if recording was not properly indexed when made, proper performance is greatly inhibited by rotating the tracking disc on the recording disc for the clearest sound.

**WARNING**

Be sure to RETURN SPEED CHANGE LEVER TO NEUTRAL WHEN RECORDER IS NOT IN USE. This will prevent flat spots on the turntable drive resulting in poor reproduction.
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