37 RECEIVE-ONLY TYPING REPERFORATOR (ROTR) COVER

DESCRIPTION AND OPERATION, ADJUSTMENTS, AND LUBRICATION

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1. GENERAL

1.01 This section provides the description and operation, adjustments, and lubrication for the Model 37 Receive-Only Typing Reperforator (ROTR) Cover (Figure 1).

1.02 The cover provides a noise reducing, protective enclosure for the 37 receive-only reperforator, motor, and base assembly. The base pan has facilities for mounting the cover on a ROTR table.

1.03 The cover consists of a lid with a plastic window and card display facilities, a slide arm assembly, a lower enclosure with nameplate, a base pan, and a low-tape switch assembly mounted on a tape supply container. The cover measures approximately 13-1/2 inches wide by 14 inches deep by 9-3/4 inches high, and weighs about 13 pounds.

2. DESCRIPTION AND OPERATION

LID

2.01 The lid (Figure 2), contains a molded plastic window and slide arm assembly which latches the lid in its fully opened position. The plastic window inside surface is opaqued, except for the left front and side corner which is clear. Clear window space, on the left side, is provided to mount a card, displaying frequently used telephone numbers.

SLIDE ARM ASSEMBLY

2.02 The slide arm assembly (Figure 3), consists of a safety latch, release tab, slide arm, and stop button (mounted on the lower enclosure). The assembly is mounted between the lid and the lower enclosure on the left inside surface of the cover.

2.03 As the lid is raised, the stop button guides the slide arm travel and latches the lid in its open position. As the slide arm follows the lid upward movement, the stop button passes through the arm slot, under and past the safety latch, to the lower end of the slot. Lowering the lid slightly allows the bottom of the slide arm to pivot. The stop button traverses across the bottom of the arm and up into the end of the slot. This latches the opened lid.

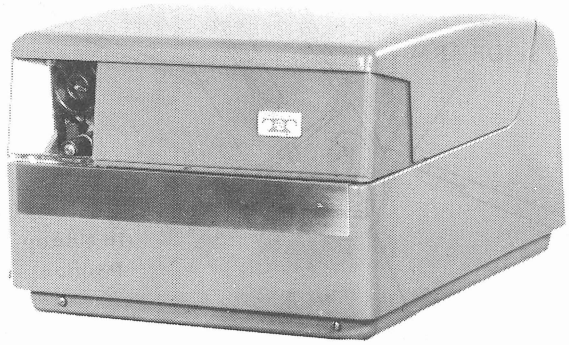


Figure 1 - Receive-Only Typing Reperforator (ROTR) Cover

Prepared for American Telephone and Telegraph Company by Teletype Corporation

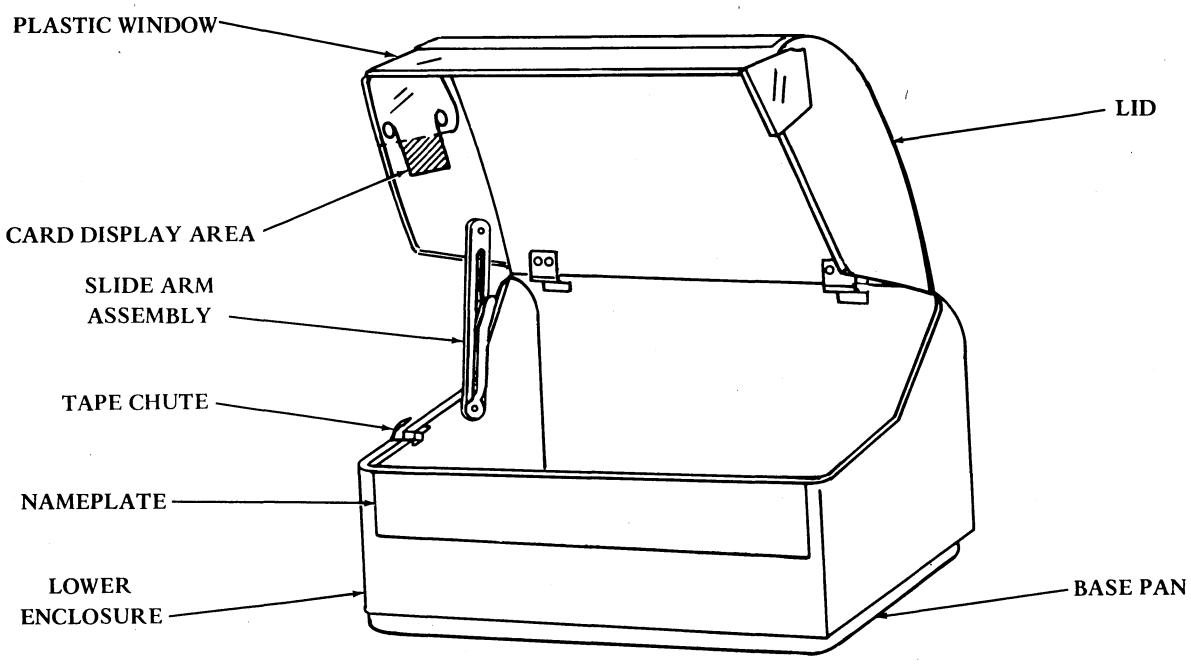


Figure 2 - Reperforator Cover

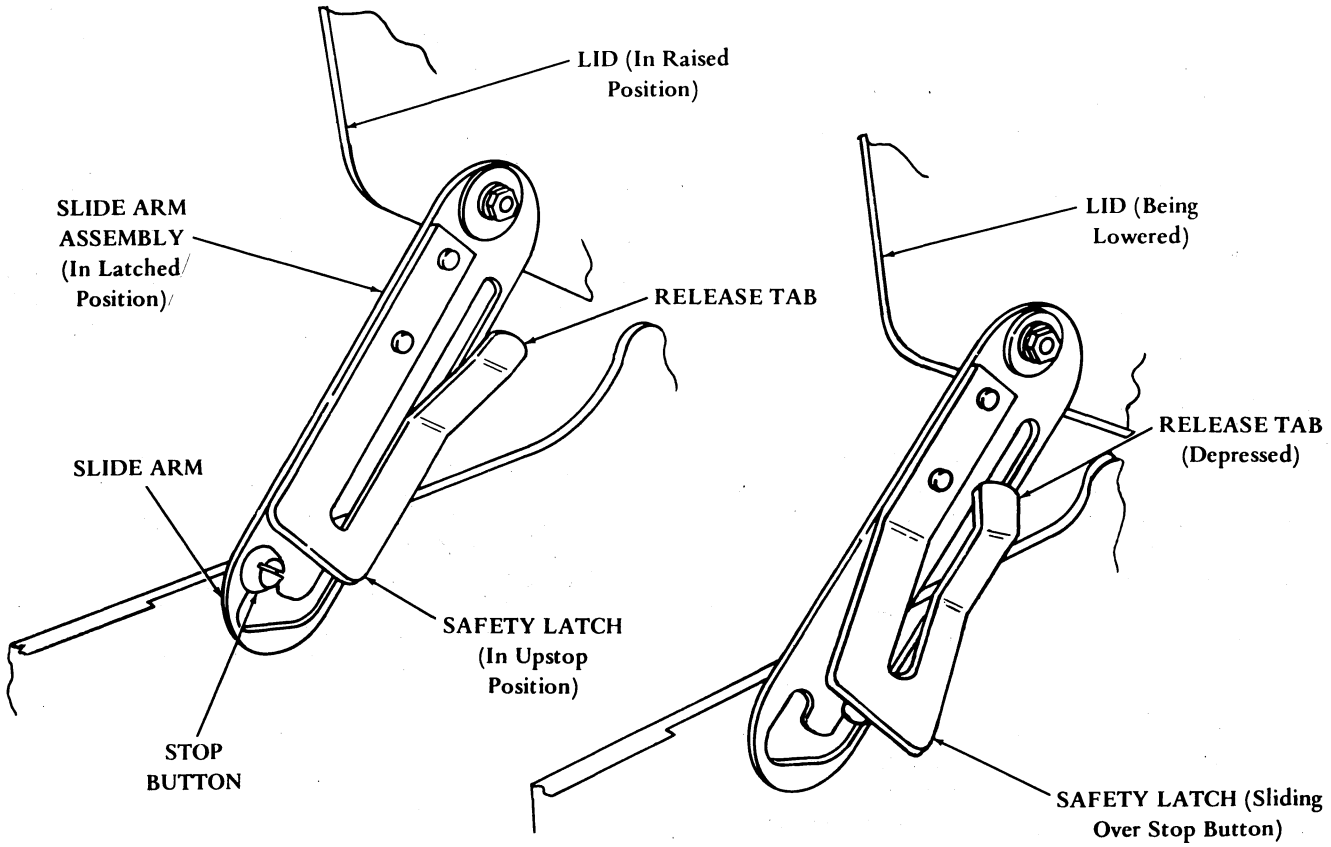


Figure 3 - Slide Arm Assembly

2.04 Access is now provided to the reperforator for replenishing paper tape and, if needed, typing ribbon.

2.05 If the lid is jarred from its latched condition, the safety latch will prevent the stop button/arm slot travel. The lid will be held in its nearly full-open position.

2.06 To close the lid, tilt lid slightly backward, lift bottom of slide arm, and lower lid. Depress release tab until stop button passes under safety latch.

LOWER ENCLOSURE

2.07 The lower enclosure is attached to the set base pan with four mounting screws, two in the front and two in the rear. A nameplate (designation optional) mounts on the front. Openings at the rear permit passage of associated cables. A tape chute is mounted on the upper left side. The chute provides a pathway and tearing edge for punched tape. When the tape is torn at the tearing edge, approximately 1-3/4 inches remains protruding from the punch.

BASE PAN

2.08 The base pan provides mounting surface facilities for the reperforator base assembly, paper tape container, and the lower enclosure. The pan can be mounted directly to the ROTR table.

LOW-TAPE SWITCH ASSEMBLY

2.09 The low-tape switch assembly (3.08), consists of a tape lever, switch lever, and switch. The assembly is mounted on the tape container which is mounted on the base pan.

2.10 As the tape-out lever senses the decreasing tape roll, it pivots its other end toward the switch lever. At a predetermined tape roll diameter, the tape-out lever will contact and then pivot the switch lever away from the switch button to activate the low tape warning.

3. ADJUSTMENTS

3.01 Following are adjustment requirements and procedures for the 37 Receive-Only Typing Reperforator Cover.

3.02 The adjustments in this section are arranged in a sequence that should be followed if a complete readjustment is undertaken. A complete adjusting procedure should be read before attempting to make the adjustment. After an adjustment is completed, be sure to tighten any nuts or screws that may have been loosened, unless otherwise instructed.

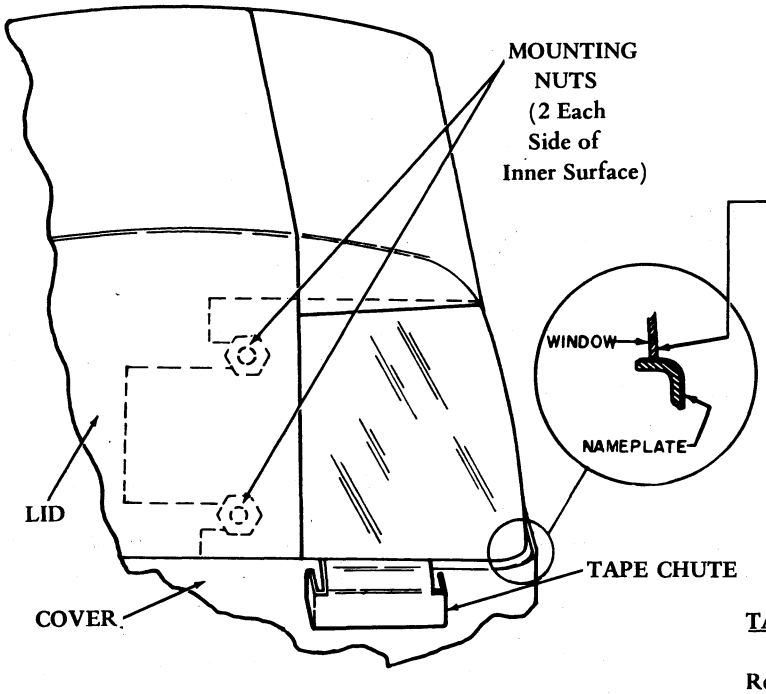
3.03 The adjusting illustrations indicate tolerances, positions of moving parts, spring tensions and the angle at which scales should be applied. The tools required to make adjustments and check spring tensions are not supplied with the equipment, but are listed in another section. Springs which do not meet the requirements, and for which there are no adjusting procedures, should be discarded and replaced by new springs.

3.04 Where adjustment instructions call for removal of components, assemblies, subassemblies or parts, all adjustments which the removal of the parts might facilitate should be made before the parts are replaced or as the equipment is reassembled.

3.05 References made to left or right, up or down, front or rear apply to the unit in its normal operating position as viewed from the operator's position in front of the unit.

3.06 Ordering information for lubricants and a complete list of tools and materials available to maintain the reperforator is given in Section 570-005-800.

3.07 Reperforator Cover Assembly



LID POSITION

To Check

Close lid.

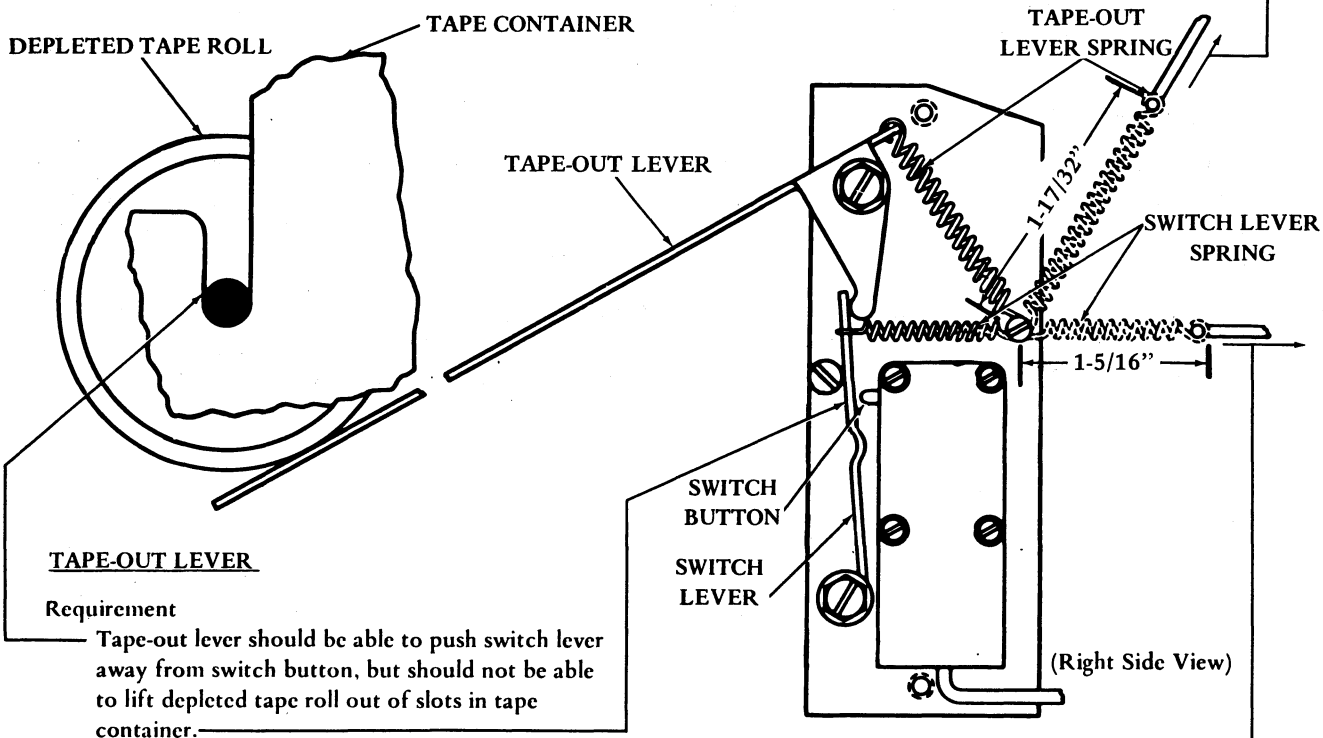
Requirement

Lid window bottom surface should be approximately centered on top surface of lower enclosure nameplate.

To Adjust

Loosen window mounting nuts and position window. Tighten nuts (being careful not to overtighten and crack plastic window).

3.08 Low-Tape Mechanism



TAPE-OUT LEVER SPRING

Requirement

Min 6 oz---Max 8 oz

To pull spring to length of 1-17/32 inches.

TAPE-OUT LEVER

Requirement

Tape-out lever should be able to push switch lever away from switch button, but should not be able to lift depleted tape roll out of slots in tape container.

To Adjust

If requirement is not met, check TAPE-OUT LEVER and SWITCH LEVER SPRING tensions.

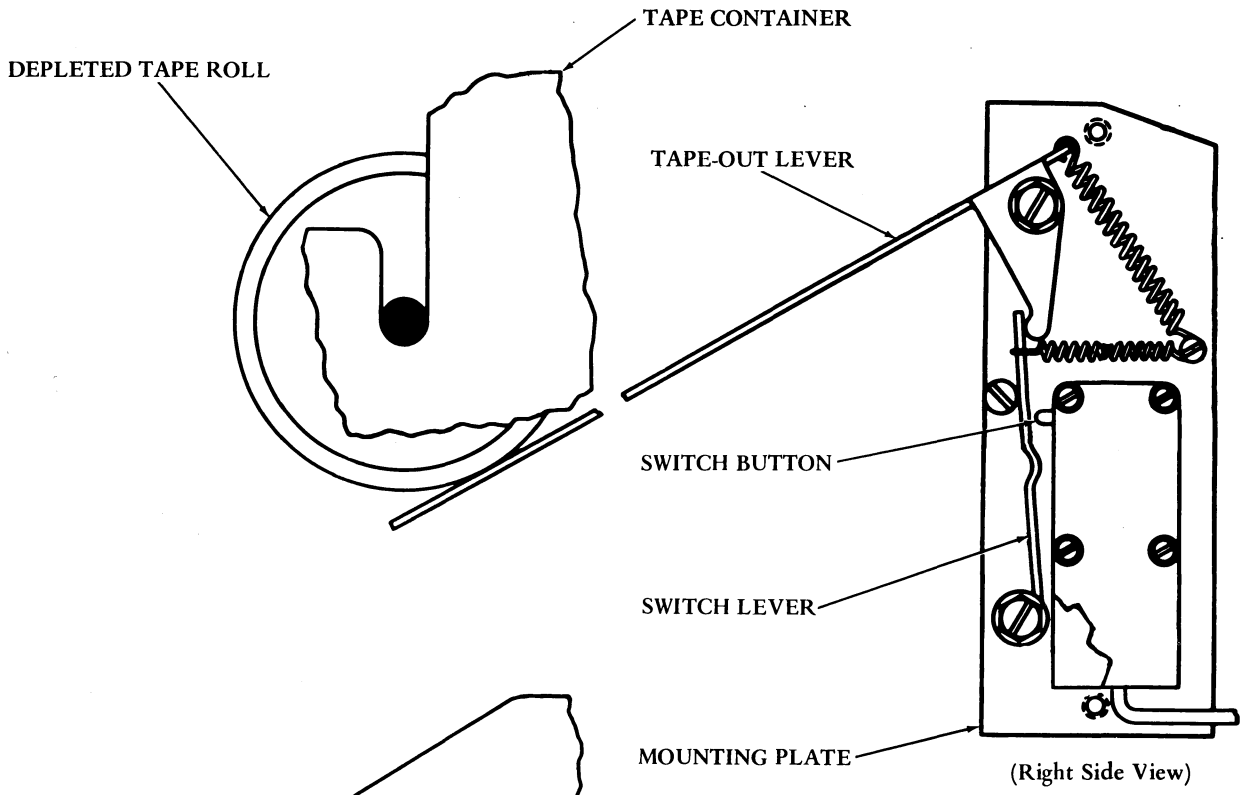
SWITCH LEVER SPRING

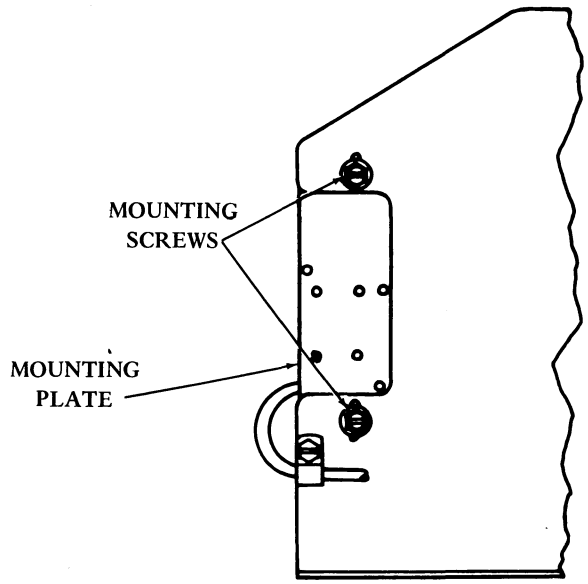
Requirement

Min 1-3/4 oz---Max 2-1/4 oz

To pull spring to length of 1-5/16 inches.

3.09 Low-Tape Mechanism (continued)





LOW-TAPE SWITCH

Requirement

Switch should just close when tape is depleted to a diameter of 2-3/8 inches.

To Adjust

Position mounting plate with mounting screws loosened. Tighten mounting screws.

4. LUBRICATION

CAUTION: REMOVE POWER BEFORE LUBRICATING.

4.01 Lubricate tape winder assembly prior to storage, before initial operation, and again after a few weeks of operation. Thereafter, lubricate every 1500 hours or 6 months, whichever comes first. Place one drop of KS7470 oil on each pivot point and on each spring hook.

4.02 Use protective pad TP124828 to protect furniture and floor. Refer to Section 570-005-800 for lubricant and tool ordering information.

4.03 To clean the plastic window on cover, use a diluted (approximately 2%) solution of mild soap and water. To avoid scratching window surface, do not rub window with a dry cloth or tissue.