

INSTRUCTIONS FOR INSTALLING THE 182265  
MODIFICATION KIT TO CONVERT A MODEL 32  
TA/1 KSR SET TO A MODEL 32 TC/1 ASR SET

Note: For complete conversion, the UPE500 perforator and UX500 reader are required. These do not come with the 182265 kit and must be ordered separately.

1. GENERAL

- 1.01 The 182265 modification kit basically adds a punch and reader to a Model 32 TA/1 KSR Set converting it to a Model 32 TC/1 ASR Set.
- 1.02 The 182265 modification kit is to be used only on KSR Sets (sets must have serial number over 1500) meeting the following conditions:
- (a) The set must have the 181870 motor.
  - (b) The 181100 printer base casting and the 181103 subbase, of the set, must have cutouts on the left-hand side (as viewed from the front, or operator's position) to accommodate the perforator, reader, mounting hardware, and drive linkage.
  - (c) Minor work-over of the above castings must be done to take the large ASR cables.
  - (d) The printer of the set must have codebars with perforator drive extensions on the left end.
- 1.03 The resultant ASR Set is capable of perforating and reading 11/16 inch wide 5-level tape.
- 1.04 The 182265 modification kit consists of:

1	276M		1	82538	Screw
	or		1	87402	Spring
	300M	Coil	1	101386	Spring
15	3598	Nut	4	104752	Washer
2	7002	Washer	4	110743	Washer
1	49695		11	124177	Washer
	or		9	125015	Washer
	121630	Washer	1	151152	Screw

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1	151880	Nut	1	182912	Lid
2	152893	Screw	1	182913	Base
4	153441	Screw	1	182917	Spring
1	153538	Screw	1	182918	Spindle
1	153817	Screw	4	182919	Button
1	153839	Screw	1	182926	Cover
6	173974	Screw	1	182928	Cover
2	180798	Screw	1	182932	Nut
1	180844	Armature	2	182935	Hub
1	180847	Bracket	1	182964	Drive assembly
1	180850	Bracket	1	182965	Box
4	180995	Spacer	1	183067	Shield
2	181104	Clip	1	183068	Spring
1	181105	Identification plate	1	183094	Plate assembly
1	181140	Label	1	183098	Lever assembly
1	181243	Screw	1	183110	Shim
9	181244	Screw	1	183112	Screw
2	181245	Screw	1	183117	Screw
1	181279	Bracket	1	183118	Plate
1	181720	Power supply	1	183125	Label
1	181731	Cable assembly	1	183126	Clip
1	182134	Power assembly	1	183134	Base
1	182137	Contact assembly	1	183135	Cover
1	182805	Plate	1	185775	Armature extension
2	182891	Screw			

1.05 For parts ordering information, see Teletype Parts Bulletin 1184B.

## 2. INSTALLATION (Figures 1 to 7)

Note 1: Before starting the modification, remove connectors from receptacles and make certain all power is disconnected.

Note 2: Refer to Teletype Bulletin 273B for disassembly and reassembly procedure of major components and assemblies.

2.01 Install the UPE500 tape perforator as follows:

- (a) Remove and retain the 182036 copyholder assembly from the 181133 cover.
- (b) Remove the 181133 cover from the 181103 printer subbase.

- (c) Remove the 181132 lid with window and 181043 paper spindle from the 181133 cover being careful not to lose the two 74709 springs. Discard the 181133 cover.
- (d) Install the 181132 lid with window on the 182928 cover using the two 74709 springs. Replace the 181043 paper spindle.
- (e) Check the dimensions of the cutout in the rear right-hand portion of the 181103 printer subbase. Dimensions should conform to Figure 1. If the cutout is too small, it must be enlarged as shown to accommodate the reader power pack cables.
- (f) Mount the 182913 perforator base to the 181103 printer subbase using three 181244 screws, three 125015 flat washers, three 124177 lock-washers, and three 3598 nuts. (See Figure 4.)
- (g) Assemble and mount the 182964 tape perforator drive arm assembly to the 181045 platen mounting post and 180741 function shaft.
- (h) Mount the UPE500 to the left side of the 181100 printer base casting and 181045 plate mounting post as shown in the standard information.
- (i) Slip one end of the 182915 chad chute extension over the tube portion of the chad chute. Then slip the other end onto the 182914 bracket.

2.02 Install the UX500 tape reader as follows:

- (a) Mount the 183134 tape reader base to the 181103 printer subbase. (See Figure 3.)
- (b) Mount the 183094 plate with stud to the 183134 tape reader base as shown in Figure 3.

**CAUTION: ON EARLY DESIGN UNITS, A 184005 RETAINING CLIP IS ASSEMBLED TO THE 183087 UPSTOP SHOULDER SCREW OF THE UX500 TO PREVENT THE SENSING PINS FROM BEING DISLODGED DURING SHIPMENT. IT MUST BE REMOVED BEFORE MOUNTING THE TAPE READER.**

- (c) Mount the UX500 to the 183134 tape reader base. (See Figure 3.)
- (d) Disconnect ground strap and plug connectors K, D, and P from the call control unit. Remove call control unit and route the reader cable as shown in Figure 2. Secure cable to 181103 printer subbase with the 183126 cable clip. Replace call control unit, ground strap, and plug connectors.

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- (e) Remove the 183244 rear panel from the printer stand and mount the 182134 power pack assembly to the inside front panel. Plug the 12-pin connector (reader cable) into the receptacle connector on the 182134 power pack. Plug the connector marked R1 into its receptacle on the call control unit.
- (f) Mount the 181720 power supply assembly to the inside front panel of the printer stand to the left of the 182134 power pack assembly. Remove 182647 12-pin connector from the 181720 power supply assembly and into the receptacle connector marked R2 of the call control unit. Plug the 181731 cable assembly in the R2 receptacle. Replace the 183244 rear panel.

### 2.03 Install the 182135 reader trip kit as follows:

- (a) Secure one end of the 87402 spring to the 183098 reader trip arm. Slip this arm into the groove in the 180971 trip shaft to the immediate left of the 180985 follower lever. Using a push-type spring hook (Teletype Part No. 142555) push the other end of the 87402 spring underneath the 180791 trip shaft and toward the front of the unit. When the end of the spring becomes visible (as seen from above), transfer it to a pull-type spring hook (Teletype Part No. 142554). Hook the 87402 spring over the projection on the 180988 bracket.
- (b) Mount the 182137 contact assembly to the 180850 magnet bracket.
- (c) Mount the 276M or 300M magnet assembly to the 180850 magnet bracket.
- (d) Mount the 185775 armature extension to the 180844 armature.
- (e) Place the 180847 spring bracket into the notch provided for it in the rear of the 180850 magnet bracket. Fit the 180844 armature (with extension) into its slot in the 180850 magnet bracket and secure it with the 101386 spring. Hook other end of spring over the 180847 spring bracket.
- (f) Mount the 181279 bracket to the 180850 magnet bracket.
- (g) Remove two rearmost 180973 spacers from the 180986 distributor disc and replace with two 180995 spacers. Mount the assembled magnet bracket assembly to the distributor disc (2 places) and to the raised projection of the 181100 printer casting which mounts the ground strap.
- (h) Snap the 181104 cable clip onto the 180850 magnet bracket in the area above the ground strap screw.

(i) Push the two slip-on leads of the reader cable assembly through the 181104 cable clip and attach to the two terminals of the 182137 contact assembly. (See Figure 6.)

(j) Attach the brown and yellow leads from the 276M or 300M reader trip magnet to the P plug connector as shown in Figure 6.

2.04 Install the 181105 identification plate and the 183125 label as follows:

(a) Remove the 181105 identification plate (marked 32TA/1) from the inside right front area of the 181100 printer base casting and install the 181105 identification plate (marked 32TC/1) in the same location as follows:

(b) The area to which the 181105 plate is to be affixed must be clean and dry.

(c) Remove paper line from rear of plate.

(d) Apply a thin coat of trichlorethylene to rear of plate with a fine hair brush or felt applicator.

(e) When adhesive becomes tacky (approximately 6 to 8 seconds) place plate into position, applying uniform pressure with fingers to entire surface, especially edges and corner.

(f) Remove paper backing from 183125 label and apply to 181103 printer subbase in position shown in Figure 5.

2.05 At this time adjust the UPE500 tape perforator, UX500 tape reader, and UP504 printer in accordance with Teletype Bulletin 273B.

2.06 Assemble and install the covers and parts as follows:

(a) Assemble the 182926 tape perforator cover assembly and mount to the left side of the 182928 cover. (See Figure 7.)

(b) Assemble the tape lid using the 182912 lid, four 182919 buttons, one 182917 spring, and one 182932 nut. Snap the assembled tape lid into place on the 182926 tape perforator cover.

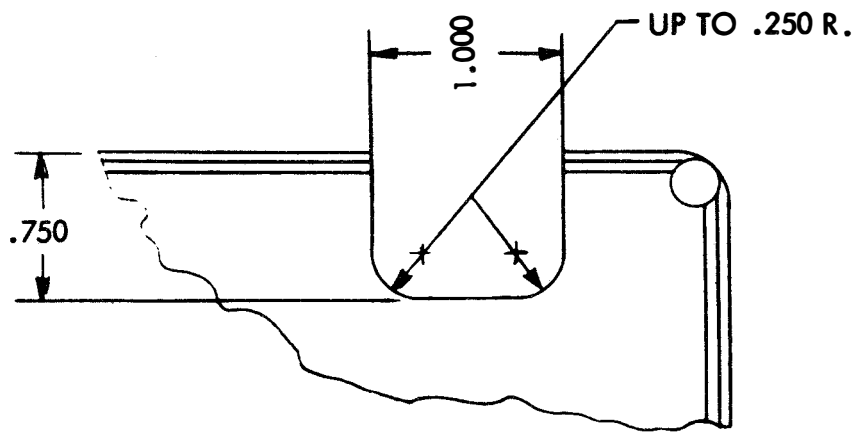
(c) Mount the 183135 reader cover to the 182928 printer cover as shown in Figure 3.

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- (d) Place 183068 shield spring and 183067 shield over the 183045 lever. (See Figure 3.)
- (e) Remove paper backing from 181140 designation plate and apply to the 182928 printer cover in position shown in Figure 5.
- (f) Mount cover assembly into position on the set. Secure 183135 reader cover to the 183134 reader base using the 183112 screw.
- (g) Replace 182036 copyholder assembly.
- (h) If perforator tape roll to be used has an inside diameter of one inch, press one 182935 hub into each side of center of tape roll. If inside diameter is two inches, insert 182918 spindle into center of the tape roll. Mount tape roll to 182926 perforator cover.
- (i) Mount 182965 chad box to printer stand.

### 3. ADJUSTMENTS AND LUBRICATION

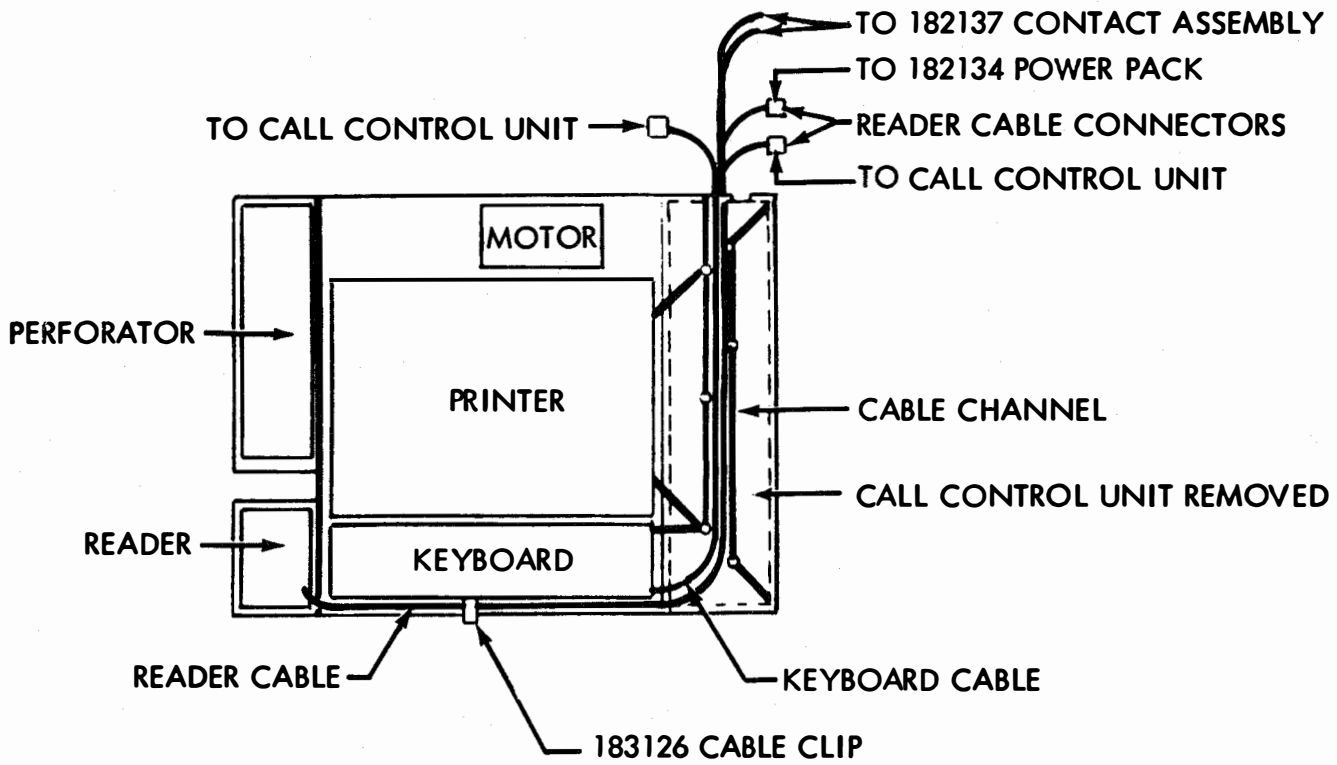
- 3.01 For standard adjustments and lubrication procedure see Teletype Bulletin 273B.



TOP VIEW

CABLE CUT-OUT ON 181103 PRINTER SUB-BASE

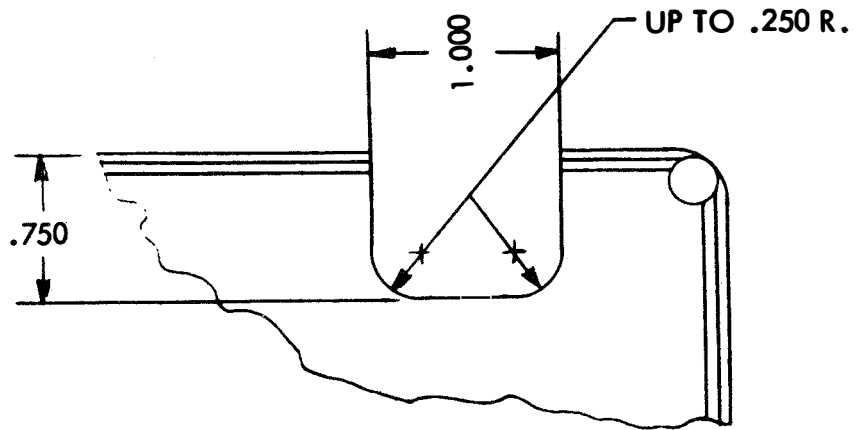
FIGURE 1



CABLE ROUTING DIAGRAM

FIGURE 2

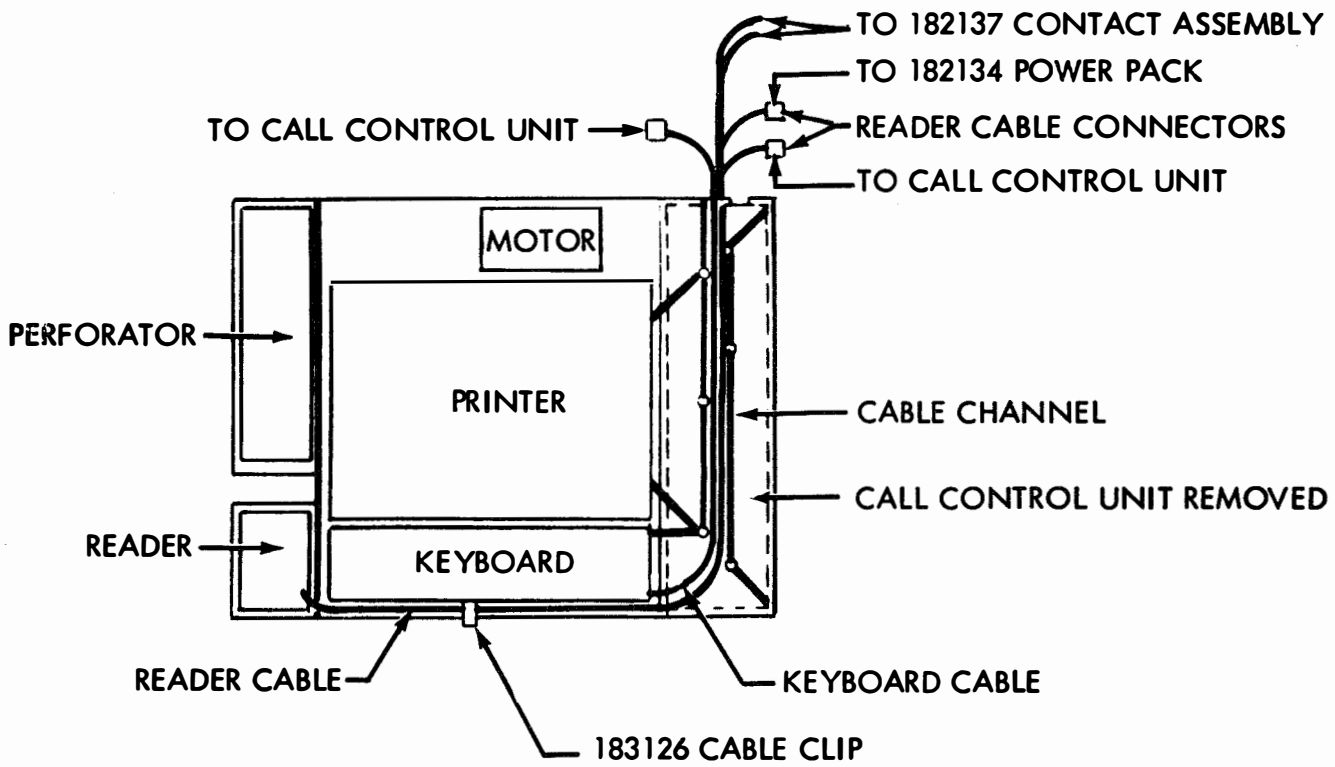




TOP VIEW

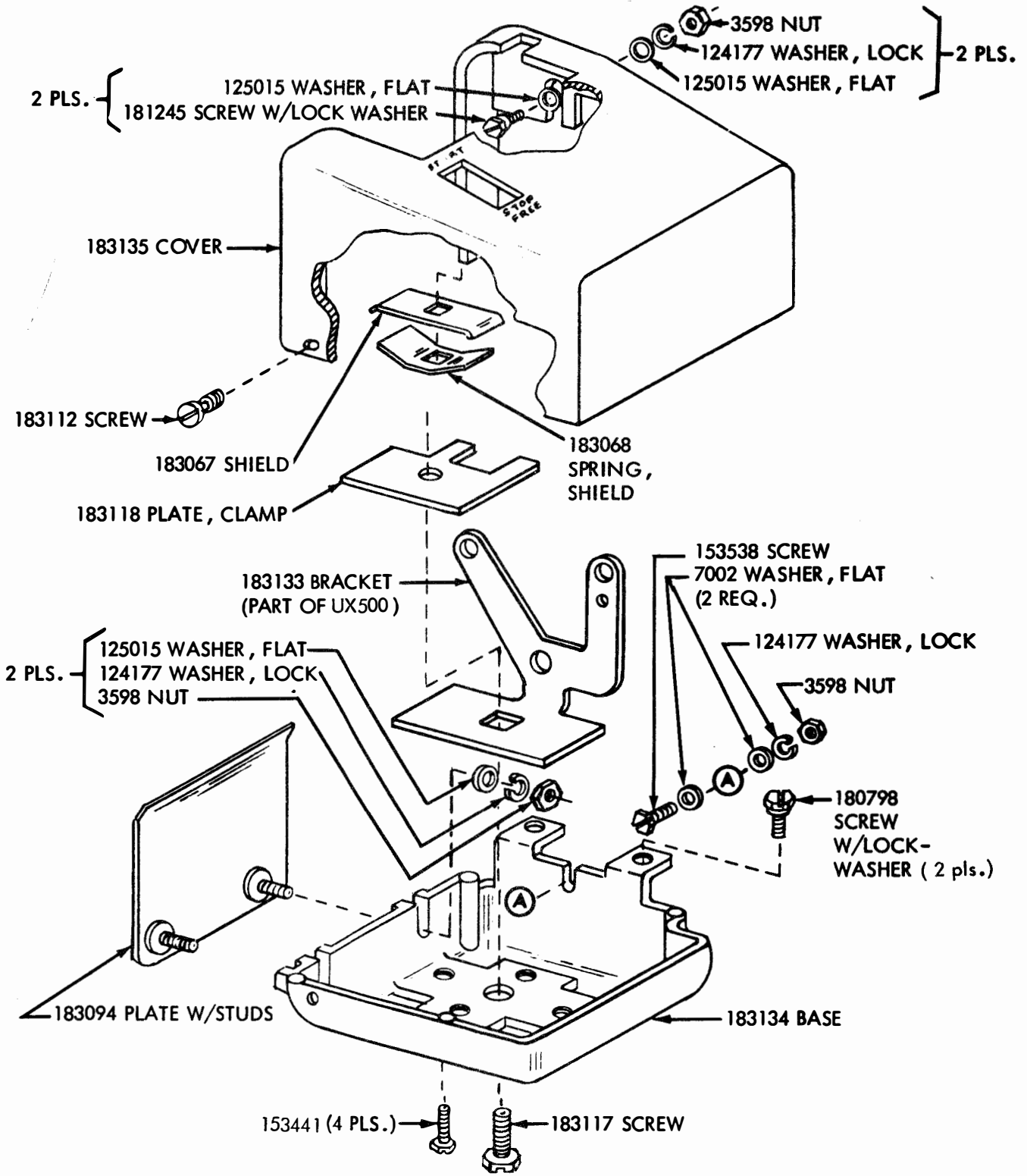
CABLE CUT-OUT ON 181103 PRINTER SUB-BASE

FIGURE 1



CABLE ROUTING DIAGRAM

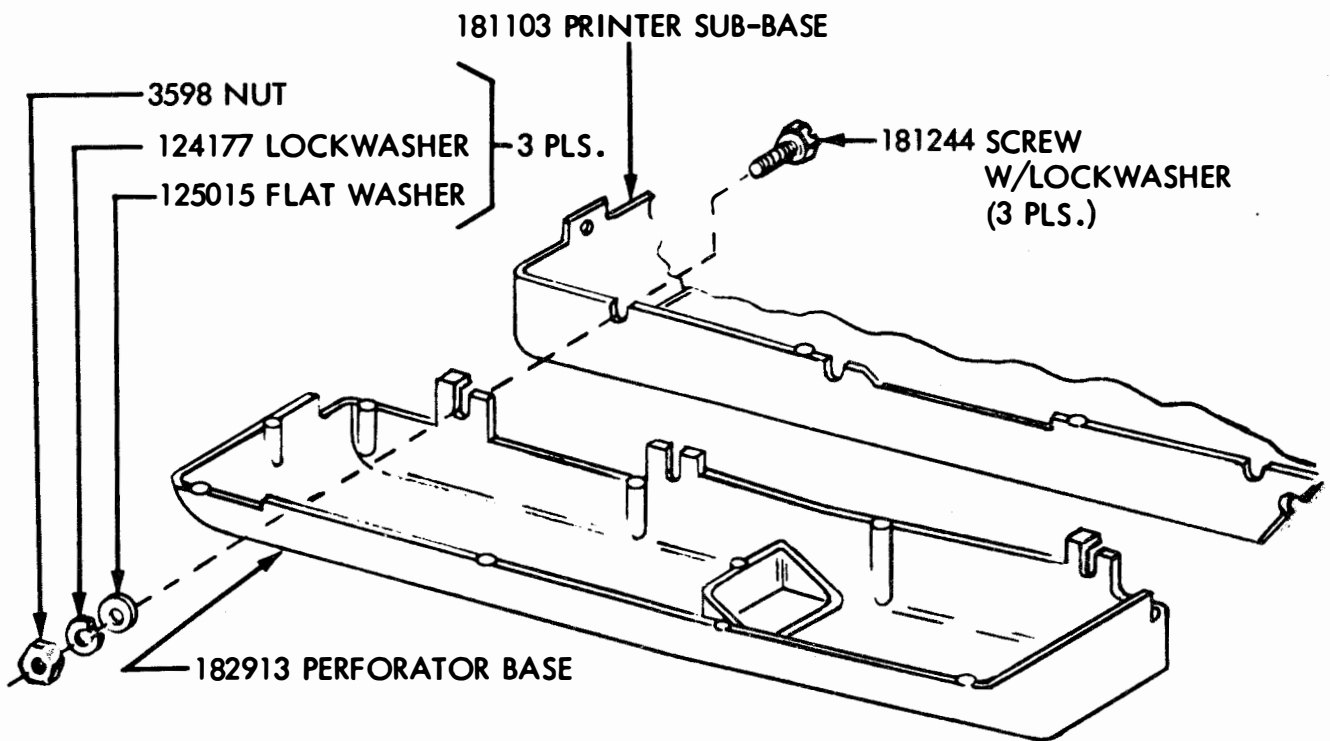
FIGURE 2



ASSEMBLY OF READER BASE AND COVER

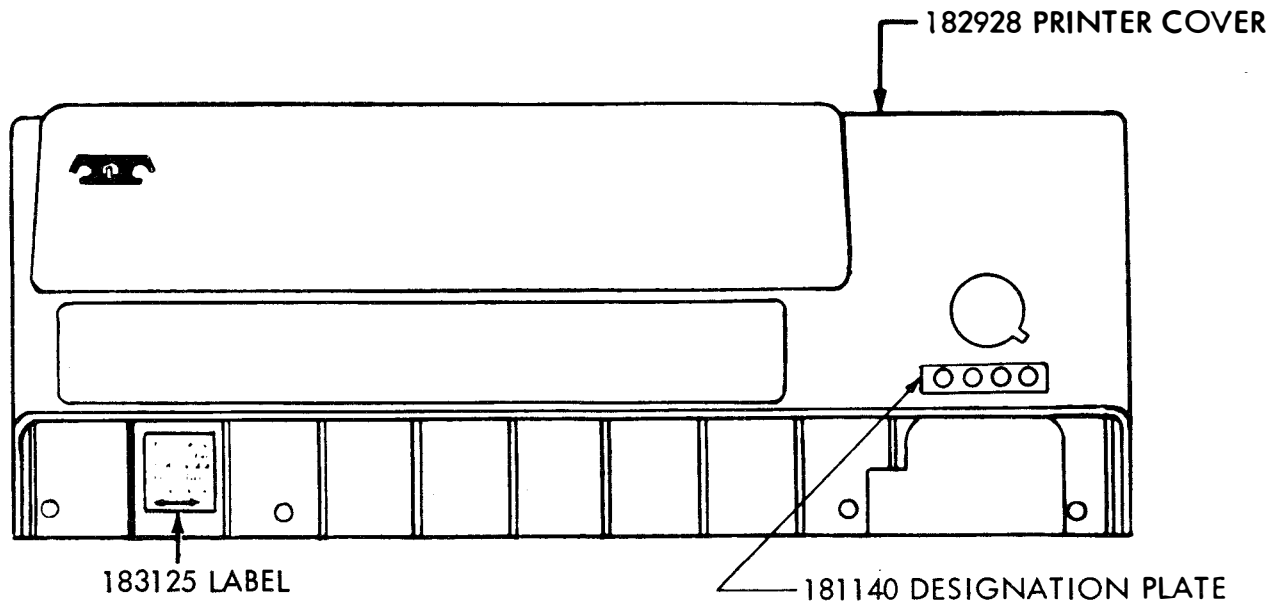
FIGURE 3

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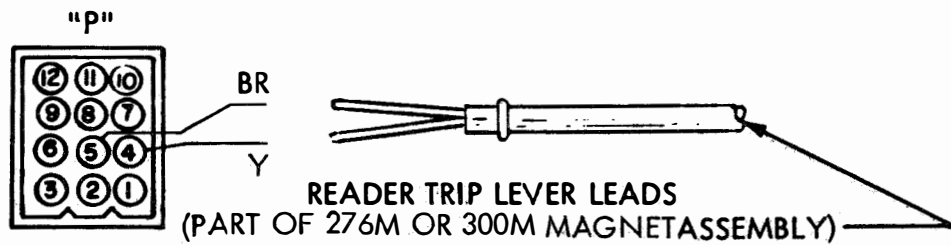
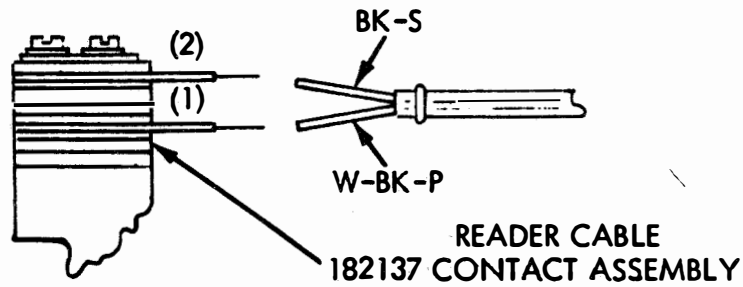
TAPE PERFORATOR BASE MOUNTING

FIGURE 4



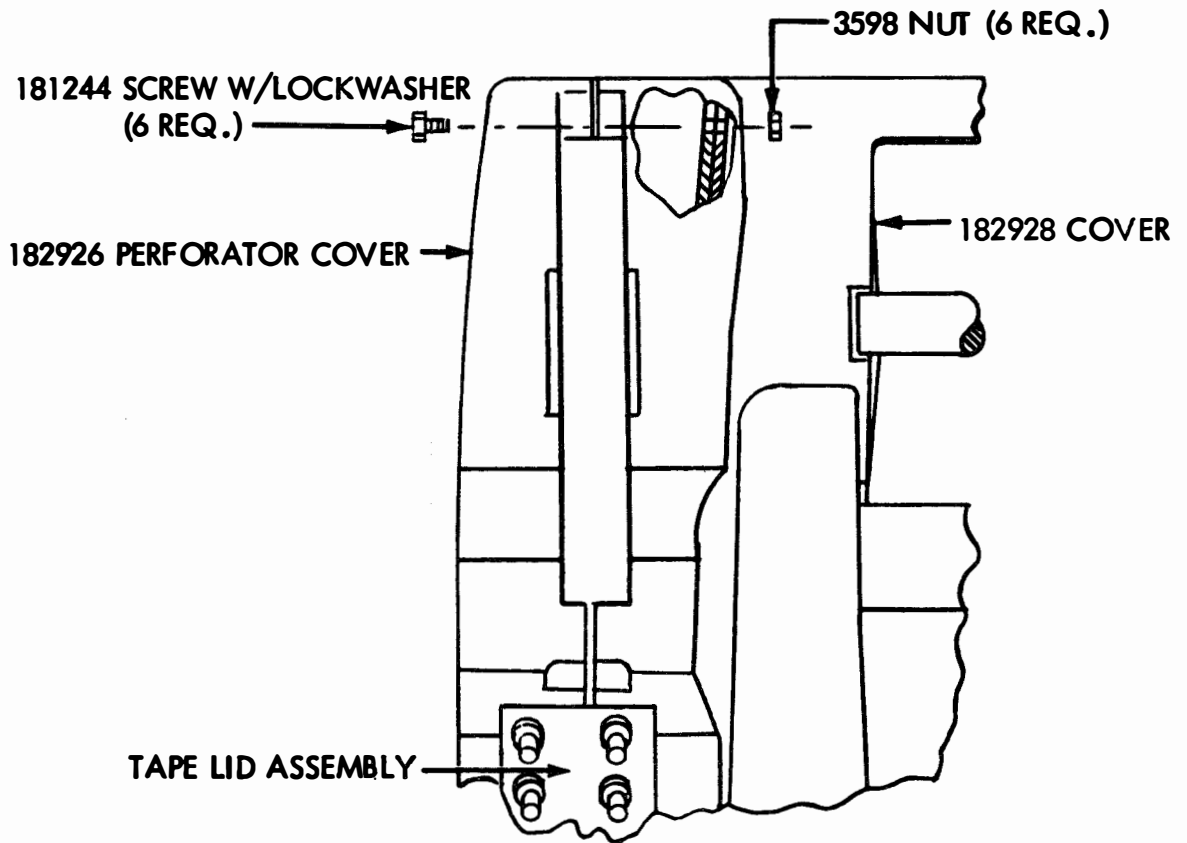
LABEL LOCATION

FIGURE 5



WIRING

FIGURE 6



PERFORATOR COVER MOUNTING

FIGURE 7

