TermiNet *DATA COMMUNICATION PRODUCTS*

INSTALLATION - PACKING AND SHIPPING TermiNet 1200 PRINTER

SHIPPING PACKAGE

The Printer is shipped in two (or more if special options are included) packages. The Printer is packaged separately. Options, accessories, forms tractor, paper handling equipment and mounting hardware are all packed and shipped in separate packages. Screws, brackets and miscellaneous mounting hardware are contained in a single plastic bag.

The Printer itself is protected against shipping damage be either polystyrene packing material or a molded polyurethane case.

UNPACKING

Examine shipping carton for possible damage. Immediately report any damage to shipper. Do not damage or discard shipping carton or polyurethane packing case. They should be used if it is necessary to return the Printer or ship to another location.

Check to make sure the following items have been shipped with the TermiNet 1200 Printer.

- Operator's Instruction Package
- AC Power Cord
- Data Set Cable
- External Paper Handler
- Programming Discs (if vertical tab and form feed option furnished)
- Punch and Base (if vertical tab and form feed option furnished)
- Forms Tractor Assembly
- Dust Cover
- Spare Panel·Lamps and Lamp Puller

All PC Boards used in the TermiNet 1200 Printer are factory installed and no installation of boards should be required in the field except in the case of add-on options which may be requested later by the customer. The keyboard interface circuits are built into the SLC PC Board located in the keyboard. When the desk style ASR paper tape equipment or the Tape Cassette Accessory (Magnetic Tape) equipment is used with the TermiNet 1200 Printer, the appropriate R&P or TRP module must be field installed in the Printer bustle.

1. Open the top of Printer shipping carton.

2. Open the remaining cartons and check to insure that the required accessories, hardware and mounting brackets listed above have been shipped.

3. Set the Printer on a firm flat surface. Tilt the Printer until it is resting vertically on the bustle.

4. Remove the four shipping screws on the bottom of the Printer's case.

(ON KEYBOARD MACHINES)

5. To prevent damage, the keyboard is locked before shipment. Unlock the keyboard as follows:

- Loosen the two thumb screws located on each side of the bottom of keyboard.

- Pull screws forward as far as they will go.

- Retighten the two thumb screws in the forward position.

- The keyboard is now in the unlocked condition and is ready for use.

- To lock keyboard, reverse the procedure. Be sure and relock if shipping.

6. Remove the tape used to secure the ribbon spools during shipment.

7. Remove the two short pieces of sponge rubber under the platen as follows if installed:

- Release platen latch lever on each side.

- Remove platen.

- Remove two sponge rubber pieces.

- Replace platen and close platen latch levers.

INSPECTION

1. Make certain that ribbon spools are fully engaged on ribbon hub. Ribbon should be properly routed over guides and between print fingers and platen. See separate ribbon mounting instructions.

2. Make certain that drive belts are in place and routed properly.

3. Make certain that print belt turns freely by hand.

4. Inspect Printer for broken wires, loose or missing parts, and accumulations of dirt, oil, or grease.

INSTALLATION
(Refer to Installation Illustrations)

Install the major hardware assemblies on the Printer in the following order:

I   Blower Assembly (44A417815-002)
II   Brackets and Paper Guides (for paper rack)
III External Paper Pan
IV   Forms Tractor
V   Paper Rack

I.   Blower Assembly Installation

The blower itself is mounted upon a ventilating screen. Mount the screen with the blower up so that the air exits to the left side of the Printer. Before setting the screen in place over the opening in the top of the Printer slip the blower power cable and grommet in the notched opening in the screen on the left side. The screen is held in place by 3 slotted metal screws in the "L shaped" brackets attached to the Printer side plates and back plate.

II. Bracket and Paper Guide Installation

1. Unpack parts from box and plastic bag.

2. Assemble two mounting brackets to the rear of the bustle so the studs are on top and extending away from each other. Use flathead 10-32 screws and lockwashers.

3. Assemble two L-shaped cross bar arms to the brackets. The arms go inside the brackets

with their legs pointing towards the front of the machine. Use the 10-32 roundhead screws and flat washers. Screws go into tapped holes in the arms. Adjust the arms for maximum height.

4. Assemble the two cross bars into the holes in the cross bar arms over the bustle with the two 8-32 roundhead screws.

5. Mount the three paper guides onto the rods. They snap onto the forward rod and extend rearwards and downwards. The wire and plug on the left (from front) guide goes into the connector (paper out switch jack) on the rear of the machine as illustrated.

III. Paper Pan Installation

Install the external paper pan. The slotted side pieces fit over the studs on the side frames of the printer over the ribbon reverse mechanisms. The clips on the back of paper pan fit over the forward rod of the external paper handler. If paper pan does not fit tight, loosen screws and washers securing the crossbar assembly brackets to the mounting brackets, and adjust the crossbar assembly brackets backward until the paper pan is tight. If cutout of top cover on the Printer should hit the bottom of the paper pan (where cover is lifted), adjust the crossbar assembly brackets upward until 1/32 in. (0.794 mm) is obtained.

IV. Forms Tractor Installation

Pick up the tractor assembly by the ends. Tilt rearwards and engage the two slots on the tractor with the two studs on the side frames of the Printer. Then pivot entire tractor forward until it latches in place.

V. Paper Rack Installation

The paper rack clips to the two studs on the rear brackets. Secure the rear of the paper rack to the studs by means of the two spring latches on the paper rack. Lower the paper rack down until it is resting firmly on the two rubber feet. Adjust the rubber feet up or down as required until the straight portion of the paper rack is parallel within ± 0.02 in. (± 0.5 mm) of the paper pan.

PREPARING FOR USE

- Plug the lead from the paper out switch into the jack provided in the left rear of the Printer.

- Move Printer to the area where it is to be used.

- Install paper. See paper installation diagram.

- Install male end of Data Set cable on 25 pin connector at right rear of Printer. Install other end of Data Set Cable to modem device to be used with Printer.

NOTE

Make sure modem device is of the type which is capable of 120 cps rate for processing data. The modem must be rated as a _medium speed_ device and will normally be of the 200 series.

CAUTION

If special or optional control or interface modules are to be field installed refer to the TermiNet 1200 Service Manual Instruction or your local authorized service agent for instructions.
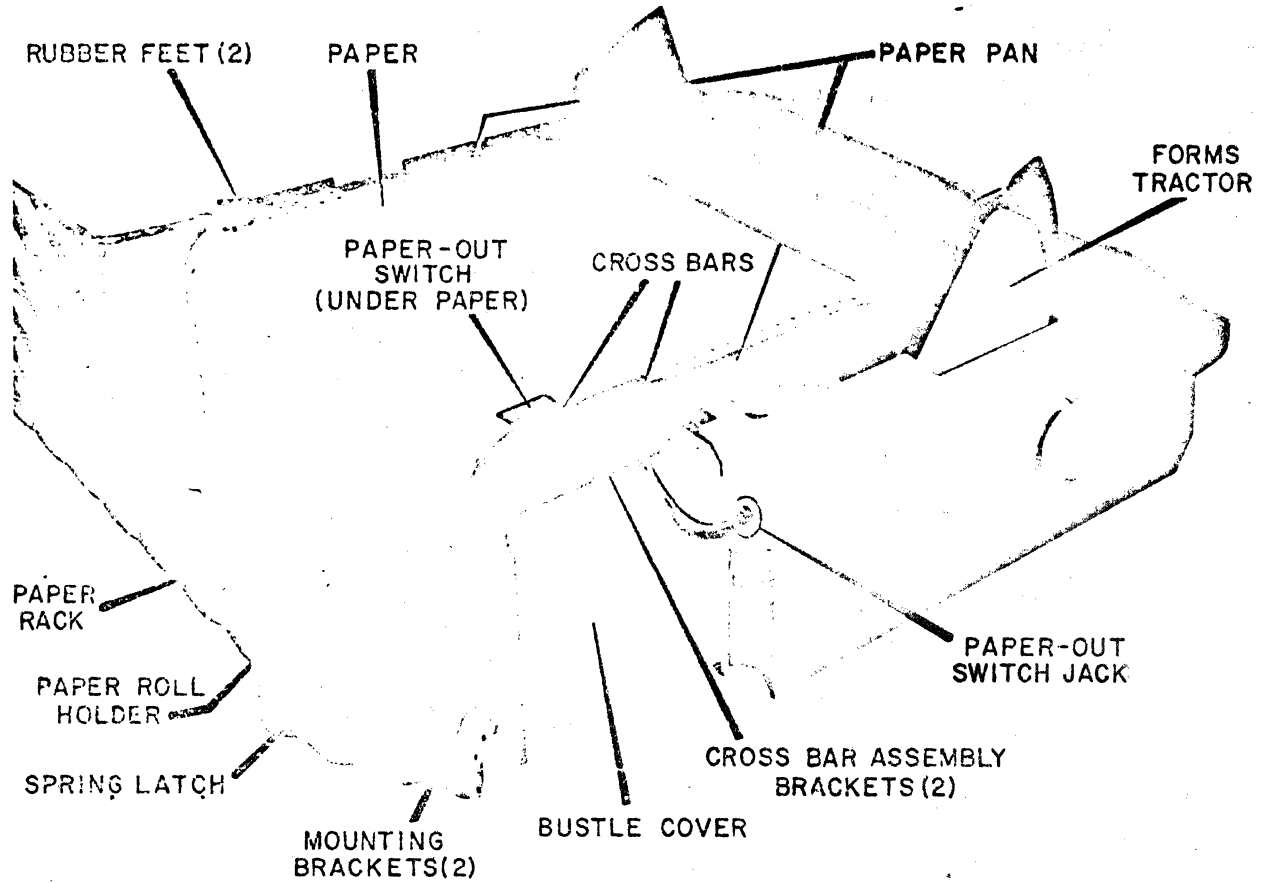
- Install female end of AC power cord into the appropriate connector at the right rear of Printer. Attach other end of power cord to a suitable 120V AC outlet which is properly grounded. Absence of a good ground connection can result in damage to the Printer, and cause erroneous operation.
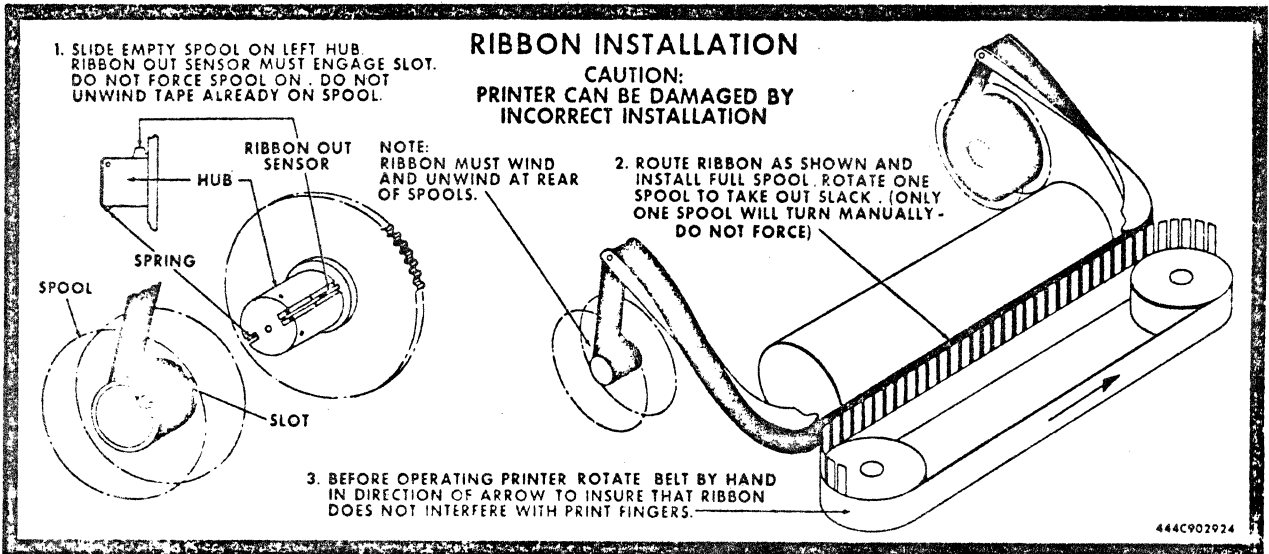
PAPER HANDLING MOUNTING HARDWARE

The following parts are packaged individually in separate paper envelopes identified by part number. All parts are packaged into one large plastic bag.

(2) 44A410496-001 Arms (L-shaped steel brackets)

(2) 44A410497-001 Rods

(4) N66P15004C 8-32 screw, round head, for rods

(1) 44A410517-G01 Paper guide with switch (right side looking at rear)

(1) 44A410521-G01 Paper guide (center)

(1) 44A410508-G01 Paper guide (left side looking at rear)

(1) 44B412599-G01 Paper pan assembly (stainless steel)

(1) 44D415621-G01 Paper rack assembly

(1) 44B412618-G01 Bracket assembly with stud (left side looking at rear)

(1) 44B412618-G02 Bracket assembly with stud (right side looking at rear)

(4) N57P16005C 10-32 screw, flat head, for brackets

(4) N405P9C Lockwasher, steel for flat head screw for brackets

(4) N66P16004C 10-32 screw, round head, for arms

(4) N400P69 Washer, flat, for round head screws for arms
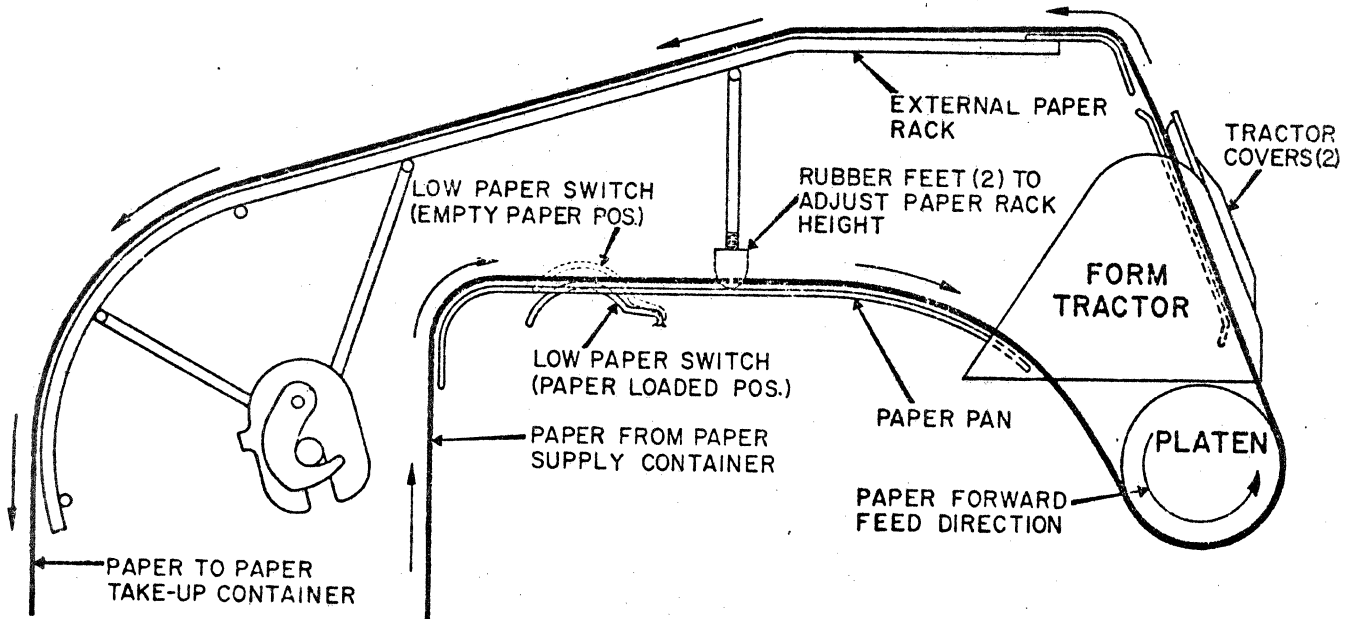
Assembly drawing for above — 44D415622

RUBBER FEET (2)   PAPER   PAPER PAN

                                                                         FORMS
                                                                         TRACTOR

                          PAPER-OUT
                          SWITCH   CROSS BARS
                          (UNDER PAPER)

PAPER
RACK
                                                                    PAPER-OUT
PAPER ROLL   SWITCH JACK
  HOLDER
                                              CROSS BAR ASSEMBLY
SPRING LATCH   BRACKETS (2)

          MOUNTING   BUSTLE COVER
          BRACKETS(2)

External Paper Handling System

RIBBON INSTALLATION
CAUTION:
PRINTER CAN BE DAMAGED BY
INCORRECT INSTALLATION

1. SLIDE EMPTY SPOOL ON LEFT HUB.
   RIBBON OUT SENSOR MUST ENGAGE SLOT.
   DO NOT FORCE SPOOL ON . DO NOT
   UNWIND TAPE ALREADY ON SPOOL.

RIBBON OUT
SENSOR

HUB

NOTE:
RIBBON MUST WIND
AND UNWIND AT REAR
OF SPOOLS.

SPRING

SPOOL

SLOT

2. ROUTE RIBBON AS SHOWN AND
   INSTALL FULL SPOOL . ROTATE ONE
   SPOOL TO TAKE OUT SLACK . (ONLY
   ONE SPOOL WILL TURN MANUALLY -
   DO NOT FORCE)

3. BEFORE OPERATING PRINTER ROTATE BELT BY HAND
   IN DIRECTION OF ARROW TO INSURE THAT RIBBON
   DOES NOT INTERFERE WITH PRINT FINGERS.

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PAPER INSTALLATION
(See Paper Illustration Diagram)

1. Place the paper supply at the rear of the Termi-Net 1200 Printer so that the paper will feed over the paper pan as illustrated in figure below. If multiple form sets are used, the shiny side of the carbon paper must face up as the paper feeds over the paper pan. Adjust the paper pan for width of paper, allowing approximately 1/16" (1.6 mm) clearance on each side. The paper guides, mounted above the bustle, are adjustable to a maximum width of 12 27/32" (32.6 cm).

2. Slide the paper behind and underneath the platen. (When using thick, multiple copy sets, it may be necessary to push the platen knob in and manually turn platen to assist the paper around the platen).

3. Adjust the two tractors on the forms tractor assembly setting above and just behind the paper shield by loosening the knurled knob located behind each tractor. Slide tractors horizontally to the left or right as required to line up with the paper width being used. Lock tractors in this position by tightening the two knurled knobs.

4. Open the covers on the tractors and fit the holes in the edges of the paper over the tractor pins.

5. Close covers on the tractors and rotate platen by hand until the paper is over the top of the external paper rack.

6. Make sure paper is resting on top of the paper out switch located to the left rear of the paper pan. The paper out switch senses when incoming paper is no longer at the top of the bustle and causes an "Alarm" condition. Approximately 16" (41 cm) of paper remain available when the "Alarm" occurs.

Paper Installation