

**CONTENTS**

08-010 Introduction  
08-100 Locations  
08-200 Maintenance  
08-300 Top Card Connectors  
08-400 Internal Cables  
08-500 Card Jumpers

**08-010 INTRODUCTION**

The 3262 Printer attachment is used to attach the 3262 Printer to System/34. With the 48-character set, the 3262 has an approximate operating speed of 650 lines per minute at a line spacing of 6 lines per inch.

**08-100 LOCATIONS**

All parts for the printer attachment are located on the A-gate, A2 board. These parts include three cards, four top card connectors, and three flat cables. For a description of the top card connectors, see paragraph 08-300. The three cards, their locations, and the hardware on each card are:

- Printer controller card (A-A2S2)
  - 4-bit ALU
  - 4-bit A and B registers
  - 16 4-bit data address registers
  - 16 4-bit primary work registers
  - 16 4-bit auxiliary work registers
  - 16-bit storage address register (The SAR bits are numbered XSAR 0 through 3 and SAR 0 through 11.)
  - 16-bit instruction address register
  - 2K bytes of random access storage
  - Control logic: Includes control lines between the controller card and the adapter card.

- Printer adapter card (A-A2T2)
  - System command decode
  - System/controller data registers
  - Printer/controller data registers
  - Printer controls:
    - Fire tier generation
    - Belt and carriage controls
    - Hammer echo checking
    - Control lines for printer indicators and switches
  - Controller data bus in assembler
  - System data bus in assembler
- Printer sequencer card (A-A2U2)
  - Belt/input buffer registers
  - Print position register
  - Hammer count register
  - State count/incrementer register
  - Register controls
  - Storage data register
  - 6K bytes of random access storage
  - Storage switching

The three flat cables used for the printer attachment are plugged into sockets V3, V4, and V5 on the A-A2 board. The other ends of the cables are plugged into the cable tower. See paragraph 08-400 for a description of these cables.

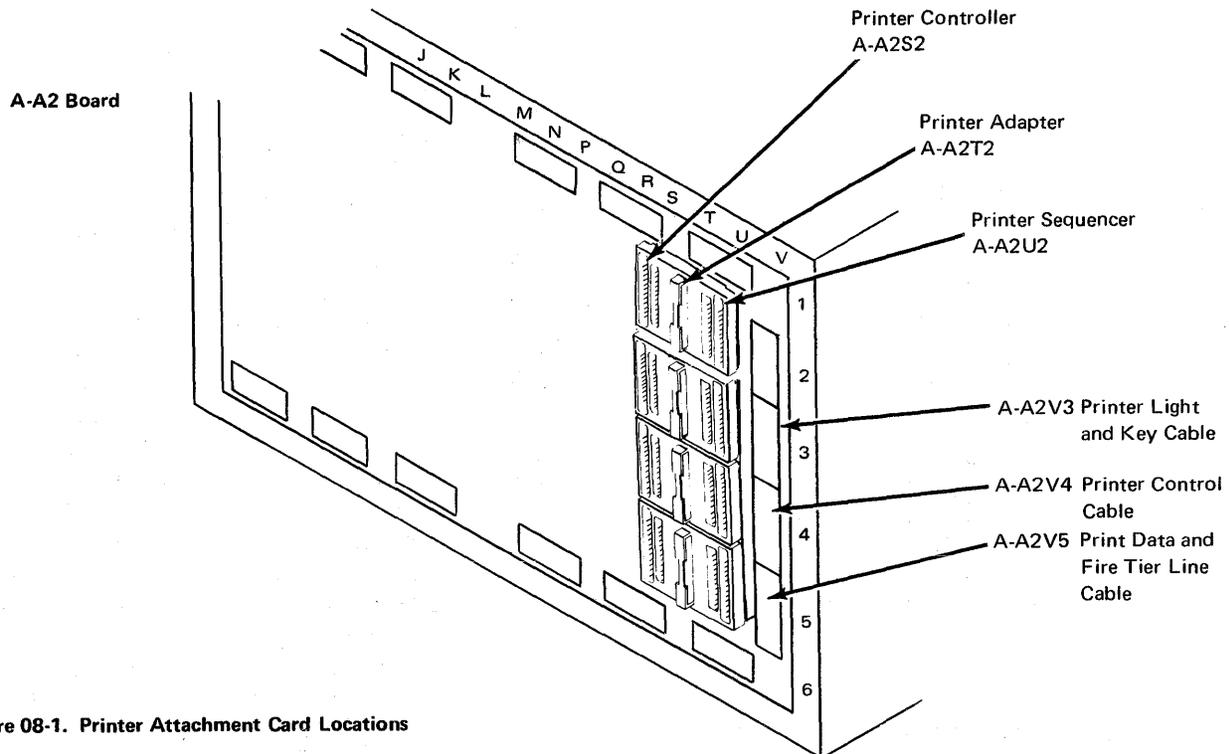


Figure 08-1. Printer Attachment Card Locations

**08-200 MAINTENANCE**

Because of the parts (cards, top card connectors, and cables) that make up the printer attachment, there are no adjustment, removal, or replacement procedures. Any maintenance performed on the attachment needs a failing part exchanged. For locations of all the parts, see Figures 08-1 through 08-3.

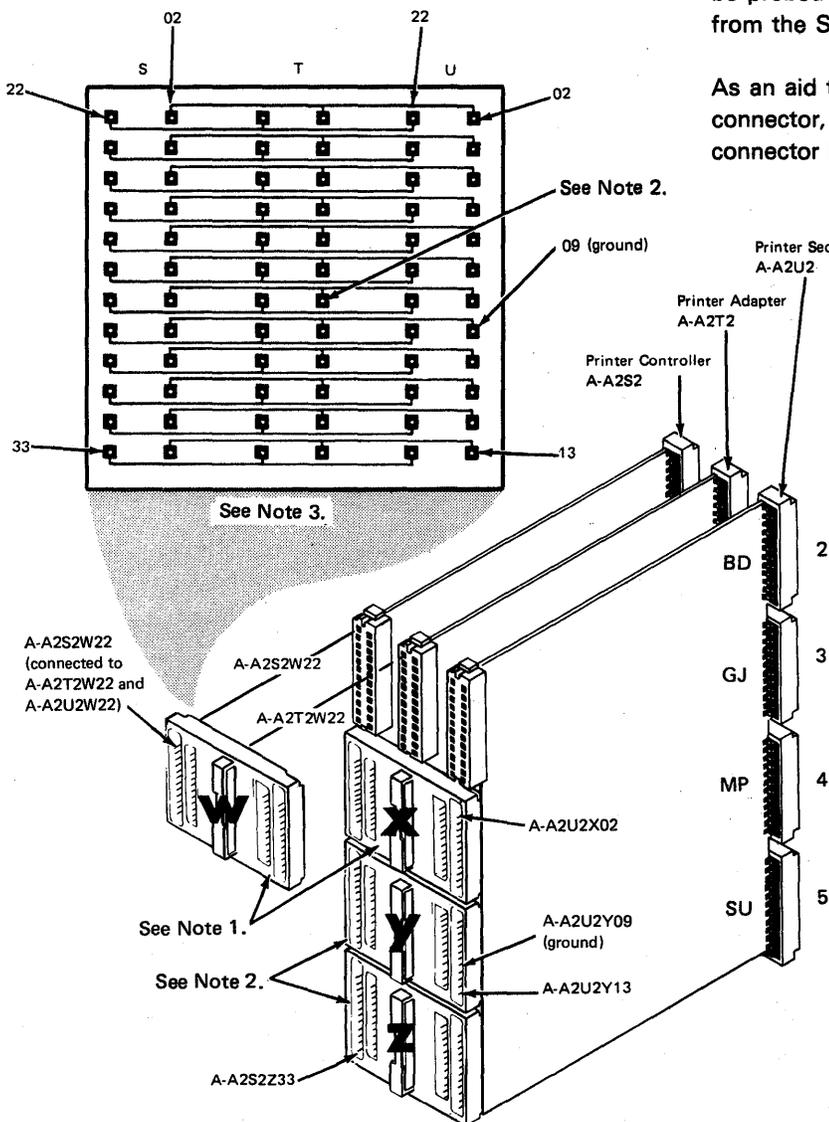
For maintenance information on the 3262 Printer, see the *3262 Printer Maintenance Information Manual*.

**08-300 TOP CARD CONNECTORS**

The four top card connectors on the printer attachment cards are marked (from top to bottom) W, X, Y, and Z. The pins that can be probed on each connector are numbered 02 through 33 on the right side of the connector and 02 through 33 on the left side of the connector.

Using connector W as an example in Figure 08-2, notice that pins W02 through W33 of the U2 card, and pins W02 through W33 of the S2 card can be probed. Also notice that pin A-A2T2W22 cannot be probed with the top card connector installed; but this pin is connected to A-A2S2W22 and A-A2U2W22, which can be probed. All of the pins on the S2 and U2 cards can be probed directly. Pins on the T2 card can be probed from the S2 or the U2 pin.

As an aid to identifying pin locations on each card connector, at least one pin location is shown on each connector in Figure 08-2.



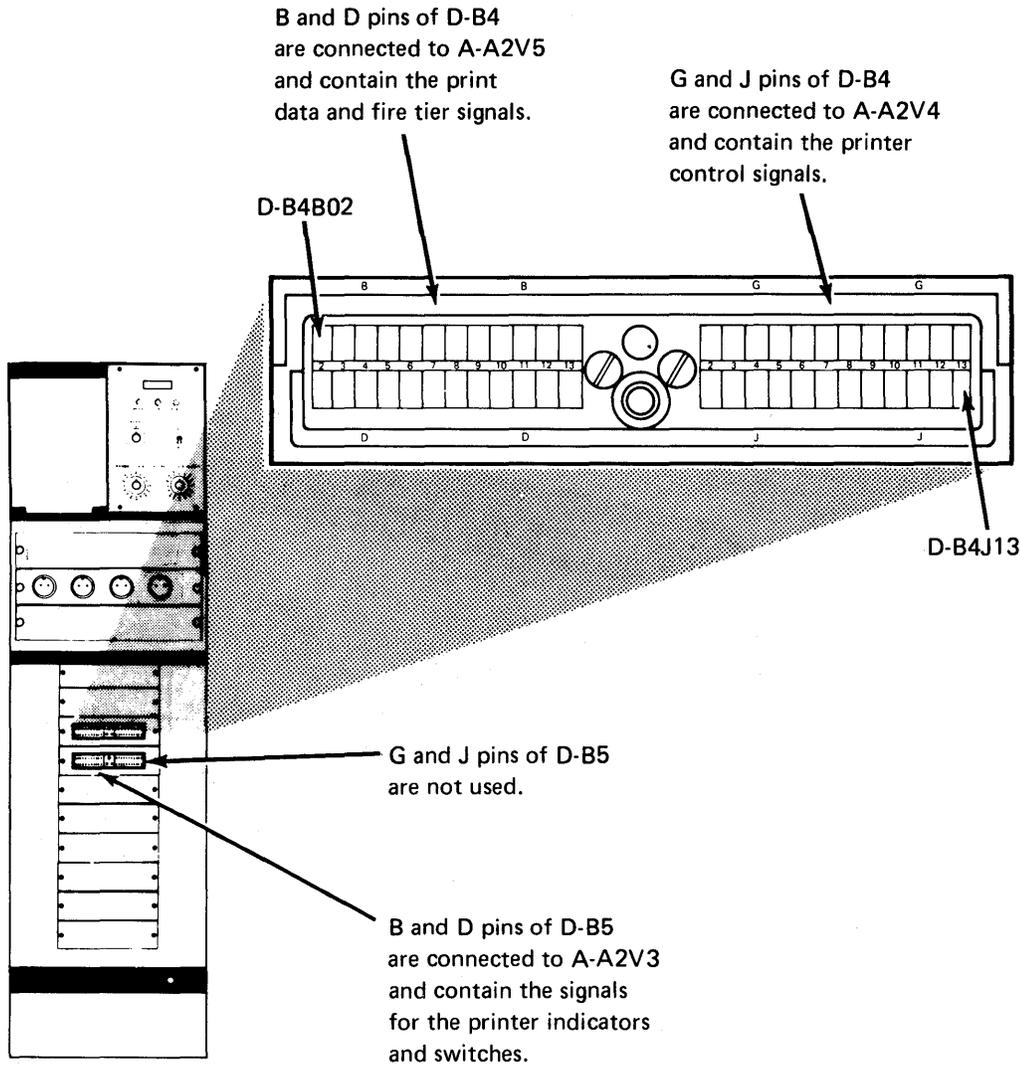
**Notes:**

1. Top card connectors W and X are the same (IBM part 4134831).
2. Top card connectors Y and Z are the same (IBM part 8265141) but are different from the connectors at W and X and must be installed right side up (see FSL page AC322). To aid in identifying connectors Y and Z, pin T2Y07 has been removed from connector Y, and pin T2Z07 has been removed from connector Z. To install connectors right side up, make sure the letters ASM appear in the upper right corner of the Y and Z connectors when viewed from pin side.
3. All of the pins on S2 and U2 can be probed directly. T2 pins on Y and Z top card connectors may not go to S2 or U2 pins. See FSL page AC322 to determine pins that can be probed on these two connectors.

**Figure 08-2. Printer Attachment Top Card Connectors**

**08-400 INTERNAL CABLES**

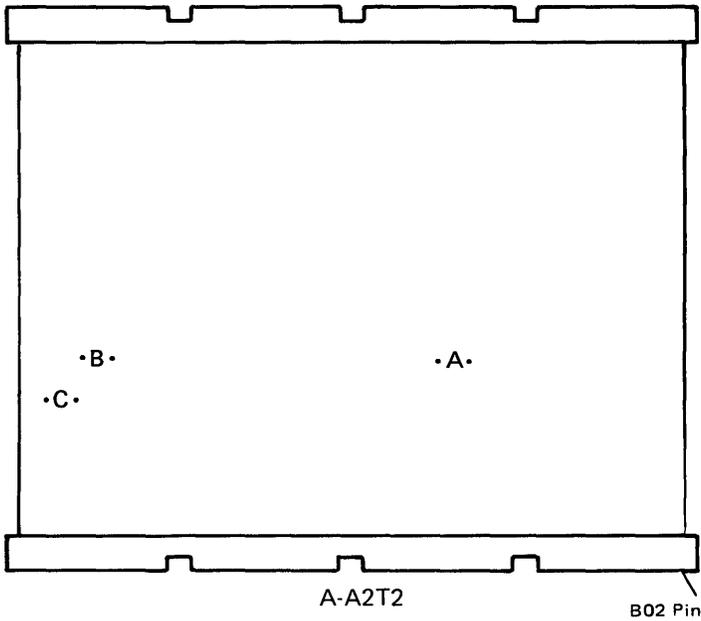
Three internal cables are used to attach the 3262 Printer to System/34. These cables are connected from the A-gate, A2 board to the cable tower. See Figure 08-3 for a description of each cable and for the cable locations on the cable entry tower.



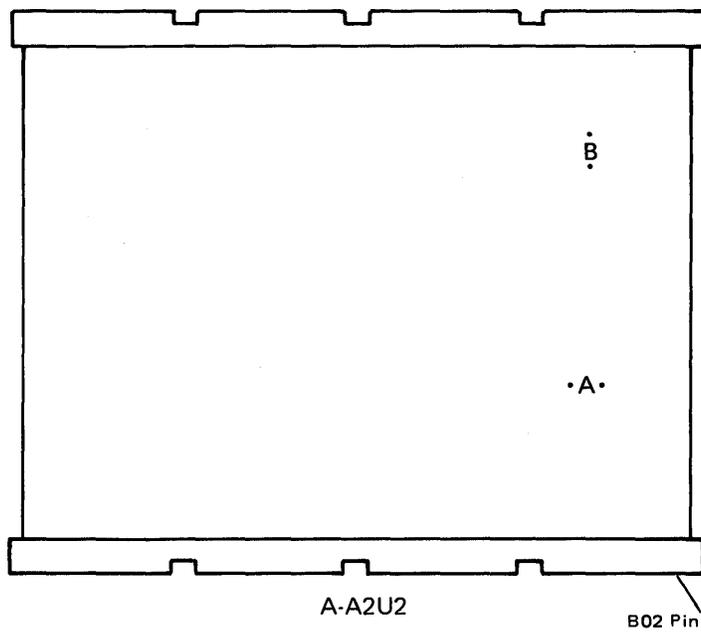
**Figure 08-3. Cable Entry Tower**

## 08-500 CARD JUMPERS

There are three jumper locations on the printer adapter card located in A-A2T2. There are two jumper locations on the printer sequencer card located in A-A2U2. Attach the jumpers (IBM part 1675209) as shown in Figure 08-4.



- A — Needed for the 650 lines per minute printer.
- B — Must be removed for the 650 lines per minute printer.
- C — Must be removed for the 650 lines per minute printer.



- A — Needed for the 650 lines per minute printer.
- B — Must be removed for the 650 lines per minute printer.

Figure 08-4. Printer Adapter Cards Jumpering