

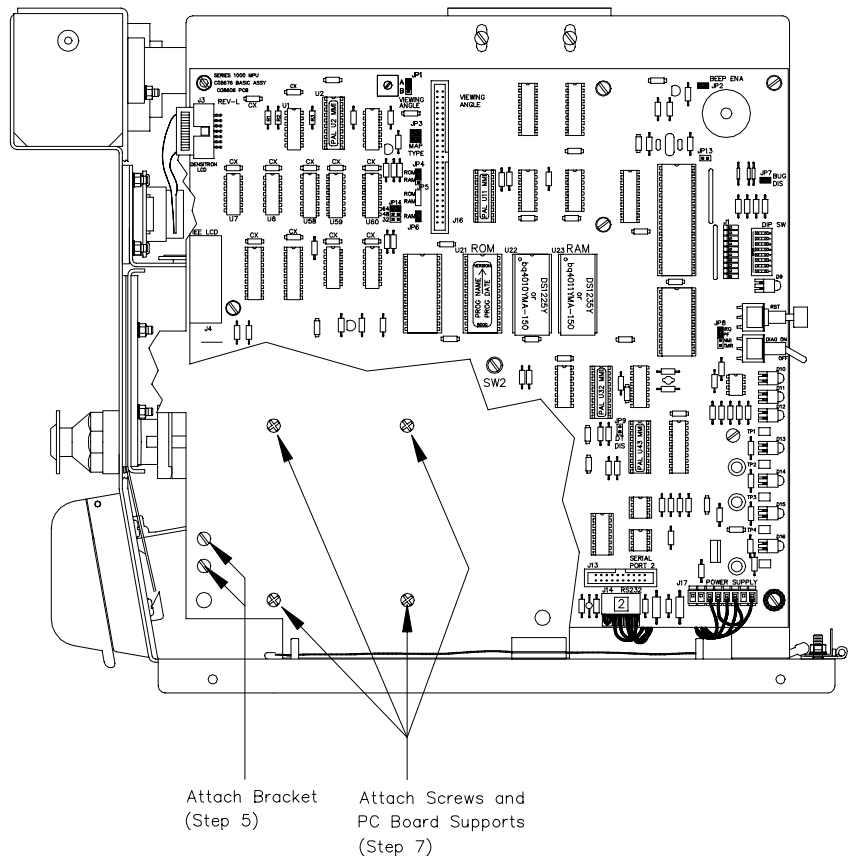
## FIELD INSTALLATION OF A SERIES 1000 INTERNAL MODEM KIT

When using these instructions for replacement of a defective internal modem, disregard all steps that detail the mounting of the modem kit hardware (4-8 and 12-13).

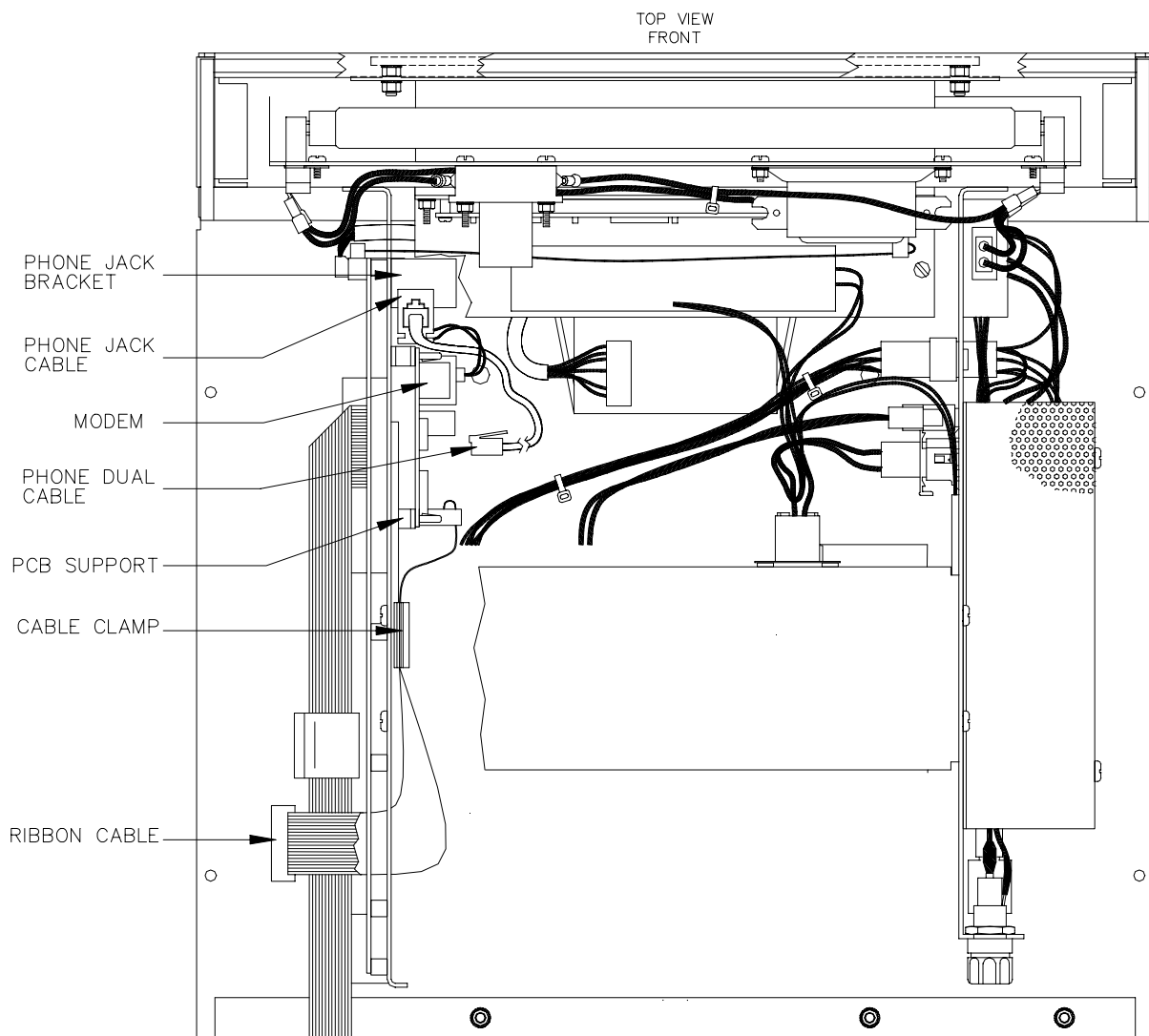
The Series 1000 Internal Modem Kit should contain the following parts:

Item	Qty	P/N	Description	Item	Qty	P/N	Description
1	2	C01160	Screw, 6-32 x 3/8 Pan Head Slot	7	1	C07122	Modem, internal, 2400
2	1	C34821	Bracket, Phone Jack Cable Assy.	8	1	C05738	Cable Assy., 20-pos. Ribbon Comm
3	2	039069	Nut-Hex Keps # 6-32 Plated	9	1	C02207	Clamp, Ribbon Cable
4	1	C05737	Cable Assy., Phone Jack	10	1	C05356	Cable Assy., Phone Dual (6P/4W)
5	4	C04035	Screw, SS, 6-32 x 1/4 Phillips Pan	11	1	C35565	Field Installation Instructions
6	4	C02896	Support, PC Board 3/8 Long Plastic				

1. Unlock and open the rear door of the Series 1000 head.
2. Turn off the AC power switch located to the lower right in the rear of the head.
3. Remove the hood of the unit from the head. This is done by removing the four external screws (two each side) which secure the hood to the Series 1000 head. Also remove the two internal wing nuts which secure the top of the hood to the hood support bracket.
4. Remove the MPU PCB by disconnecting all attached cables and removing all of the screws that secure it to the MPU PCB support plate.
5. Insert the 2 slotted screws (item 1), through the two holes in the lower left corner of the MPU PCB support plate so the heads of the screws are facing outward. On the inside of the plate, slip the L-shaped bracket (item 2) over the screws so the notch in the bracket is facing the rear of the unit. Secure it with the keps nuts (item 3).
6. Install the Phone Jack Cable Assembly (item 4) by sliding it into the notch of the bracket so the phone jack faces up and the wires face down. Push the connector firmly into the bracket notch.
7. Insert a Phillips head screw (item 5) through one of the four holes to the right of the previously installed bracket, so the head of the screw is facing outward. Use the screw to fasten a PC board support (item 6) to the inside of the plate. Repeat this procedure until all four supports are mounted to the inside of the plate.
8. Install the MPU PCB and secure it with the previously removed screws. Reconnect all cabling.



9. If replacing a modem, remove the old modem. Install new modem (item 7) by pressing it firmly onto the PC board supports until they lock the modem into place. The modem must be positioned so its two connectors are on the lower half of the modem.
10. Attach the Phone Jack Cable Assembly (item 4) to the 2-position connector of the modem so the green wire of the cable faces down.
11. **C05738 Cable:** Attach this cable assembly (item 8) to the 20-position modem connector so that pin 1 (the red or dark blue edge of the cable) faces down. Feed the other end of the cable under the MPU PCB support plate and plug it into the J13 connector on the MPU PCB. Remove any cable that may be in the J14 or J15 connectors of the MPU PCB.
12. Remove the backing of the Cable Clamp (item 9) and attach it to the inside of the MPU PCB support plate at a point to the rear of the modem. It must be placed to hold the 20-position Communication Ribbon Cable Assembly out of the way of the pump control PCBs on the rear door.
13. Attach the Phone Dual (6P/4W) Cable Assembly (item 10) from the Phone Jack Cable Assembly to the incoming phone jack in the base of the Series 1000 pedestal. The drawing below shows current placement of all components.



14. Replace the hood of the unit and fasten it with the four external screws and two internal wing nuts removed previously.
15. Turn on the AC power switch.
16. Close and lock the rear door of the Series 1000 head.