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## Installing Ferrite Bead Cable Clamps on Voice and Fax Board Cables for OS/2-Based Systems

Ferrite bead cable clamps must be installed on certain voice and fax boards to meet current EMI suppression requirements. This note provides instructions for installing the ferrite bead cable clamps on the I/O cables as required for the following voice and fax boards:

- Dialogic D/42D-SX (2-cable)
- Brooktrout TruFax (2-cable)
- Dialogic D/42D-NS (4-cable)
- Dialogic D/42D-SL (4-cable)

The procedure used to install the ferrite bead cable clamps depends on the number of ports on the voice or fax boards.

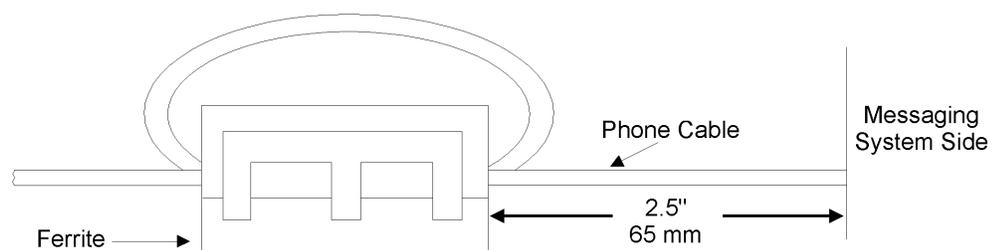
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### Notes on the illustrations:

- All numerical dimensions referenced on the attached drawings are in inches, with corresponding metric values, in millimeters.
  - The ferrite clamp is attached to the end of the cable closest to the system.
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## Installing the Ferrite Bead Cable Clamps on 2-Cable Boards

When installing the ferrite bead cable clamps on 2-port boards, a separate clamp is used on each of the 2 board cables. Refer to the following illustration when installing the ferrite bead cable.



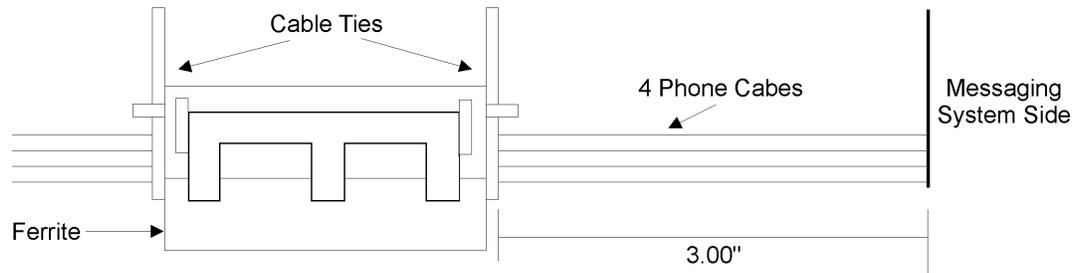
### To install the ferrite bead cable clamp on the Dialogic D/42D-SX or Brooktrout TruFax board cable:

1. Locate the phone cable, as labeled in the illustration.
2. Unlatch the ferrite clamp and wrap one loop of cable through the ferrite (the cable will actually pass through the ferrite twice). Space the ferrite clamp 2.5 inches (65 mm) from the system end of the cable, as shown in the illustration.
3. Clip the ferrite clamp closed around the phone cable.

4. Plug the phone cable into one of the phone jacks on the voice or fax board.
5. Repeat steps 2 through 5 to install the ferrite bead cable clamp on the second phone line that plugs into the voice or fax board.

### Installing the Ferrite Bead Cable Clamps on 4-Port Boards

When installing the ferrite bead cable clamps on 4-port boards, one clamp is used on all 4 board cables. Refer to the following illustration when installing the ferrite bead cable.



#### To install the ferrite bead cable clamp on the Dialogic D/42D-SL or D/42D-NS board cable:

1. Locate the phone cables, as labeled in the illustration.
2. Unlatch the ferrite clamp and place all four voice board cables in it. Space the ferrite clamp 3.0 inches (75 mm) from the system end of the cable, as shown in the illustration.
3. Clip the ferrite clamp closed around the phone cables.
4. Place a cable tie, 2 total, around the 4 cables on either side of the ferrite cable clamp to ensure that the clamp stays in place, as shown in the illustration.
5. Plug the phone cables into the phone jacks on the voice board.