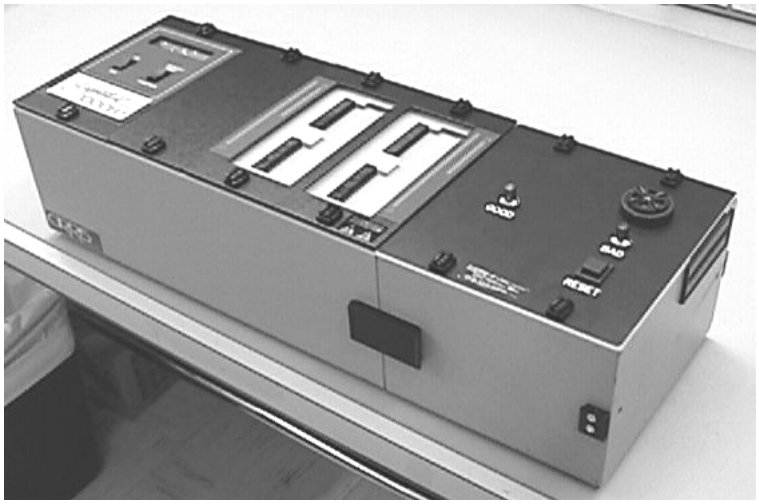
Technical Note:
Installing the Alarm Box Add-On on the Cirris 1000HX Cable Analyzer

Version 3.0

September, 1998



CIRRIS

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Technical Note: Installing the Alarm Box Add-On on the Cirris 1000HX Cable Analyzer
Version 3.0
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Cirris Systems Corporation
1991 Parkway Boulevard
Salt Lake City, Utah 84119-2026
United States of America

Introduction

What are we going to do here?

In this technical note, we'll explain how to install the Alarm Box Add-On accessory on your Cirris 1000HX Cable Analyzer.

What you'll need

To install the Alarm Box Add-On accessory on your analyzer you'll need these things:

- Cirris 1000HX Cable Analyzer
- Complete Cirris Alarm Box Add-On accessory
- This manual

How to contact us

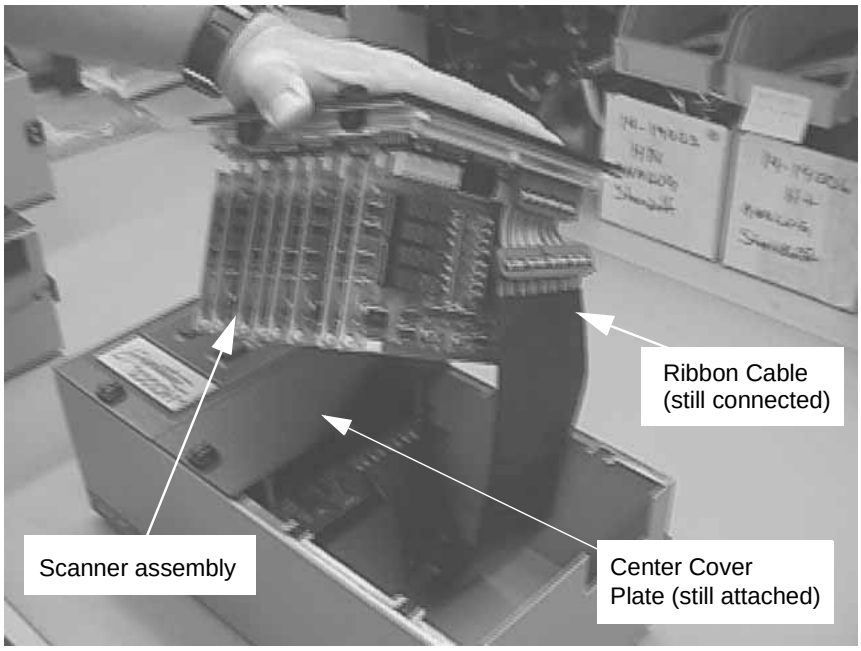
If you find you don't have one of the items you'll need, or you have other questions, please feel free to telephone us at 1-801-973-4600 or 1-800-441-9910. Our fax telephone number is 801-973-4609.

Installation Procedure

What are we going to do here? In this section, we'll give you a step-by-step procedure for installing the Alarm Box Add-On accessory on your Cirris 1000HX. To make things easier, we'll provide digital photographs taken at the workbench, as one of our factory technicians installed an alarm box.

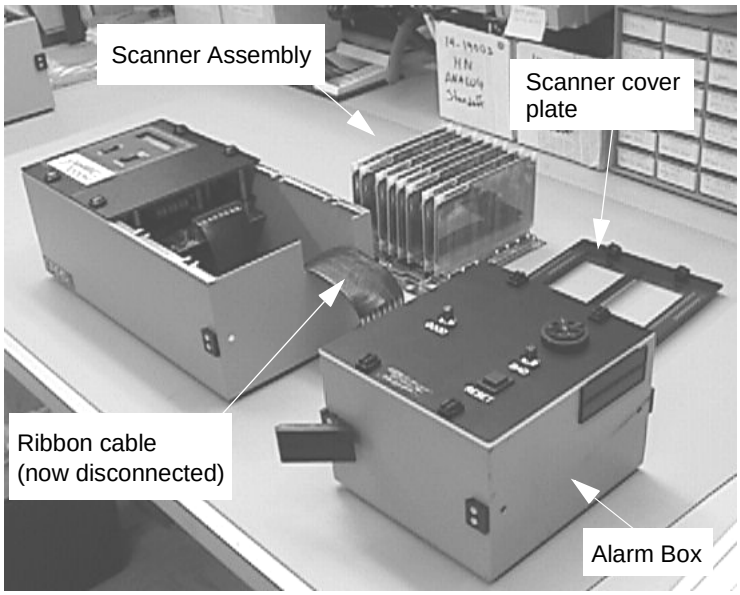
Procedure To install the Alarm Box Add-On accessory, follow these steps:

1. Open the quarter-turn fasteners, and remove the scanner cover plate, then gently lift the scanner assembly out of the chassis of the 10000H+.



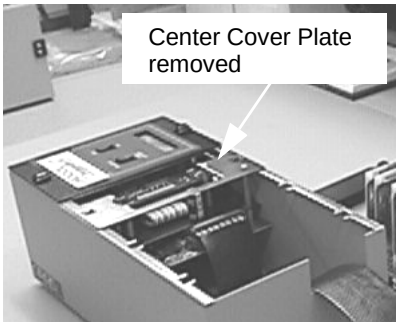
In this view, the quarter-turn fasteners which hold the scanner assembly on the analyzer have been opened, and the cover plate has been removed. The scanner assembly has been lifted from the chassis. Note that the ribbon cable which connects the scanner with the rest of the analyzer is still connected. The center cover plate is still in place on the analyzer's chassis.

2. Disconnect the ribbon cable from the scanner assembly, set the scanner assembly aside. Place the Alarm Box next to the 1000HX. **Note**: When you latch the two boxes together shortly, the pins on the side of the Alarm Box will fit into the holes in the side of the analyzer itself.



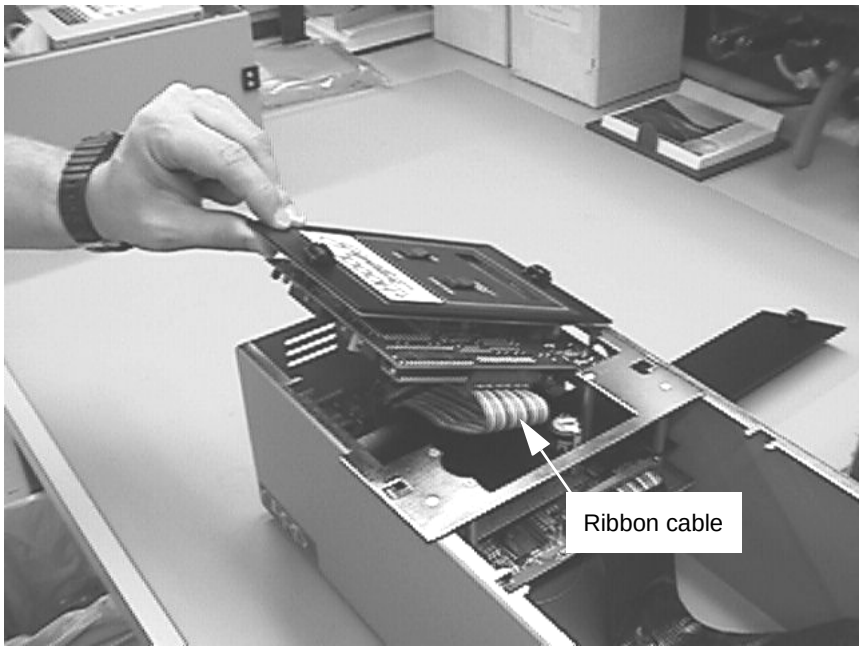
In this view, the Scanner Assembly has been disconnected, and set aside lying on its top. The Scanner Cover Plate has also been set aside.

3. Remove the center cover plate from the 1000HX, and set the plate aside.

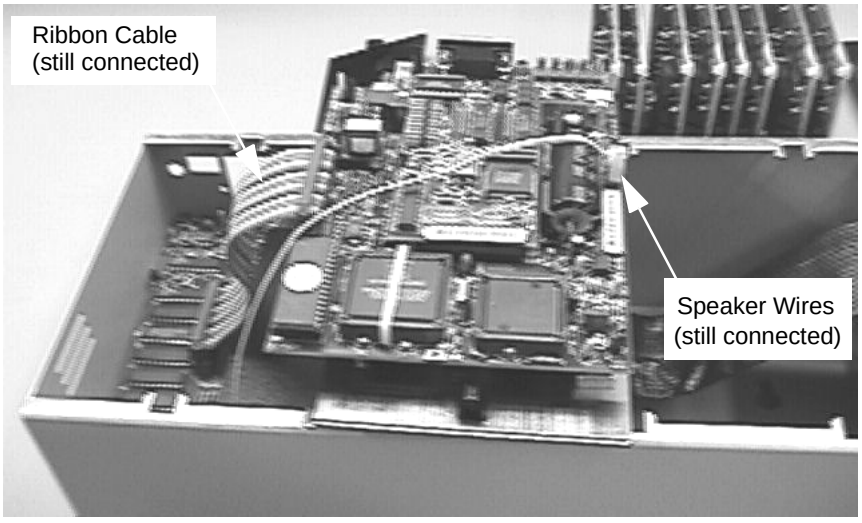


In this view the Center Cover Plate has been removed

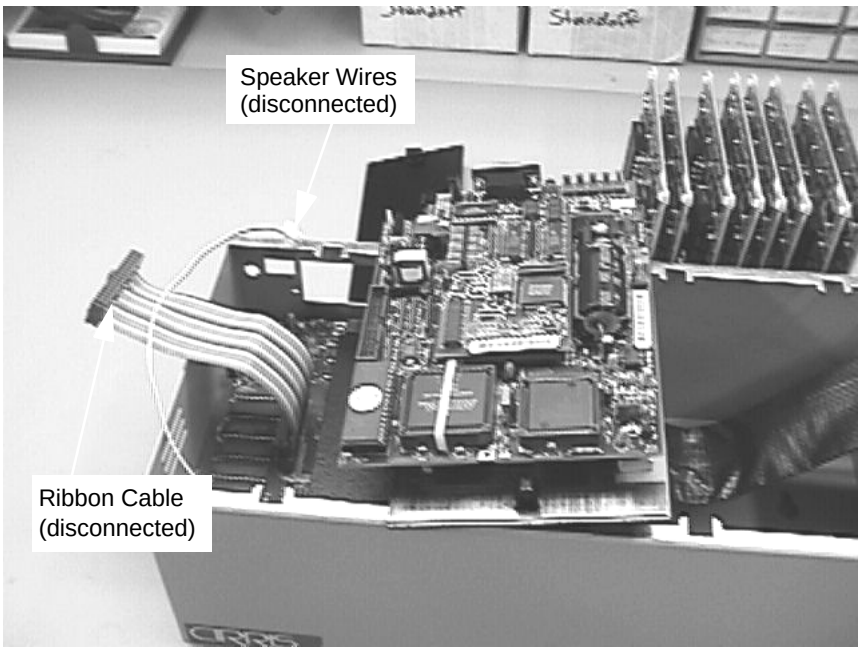
4. Unlock the quarter-turn fasteners on the Processor Assembly, and lift it gently from the chassis as shown. **Be sure to gently remove the processor at an angle as shown!** This will avoid snapping the pogo pin that grounds the processor to the chassis. Note the ribbon cable connected to the Processor.



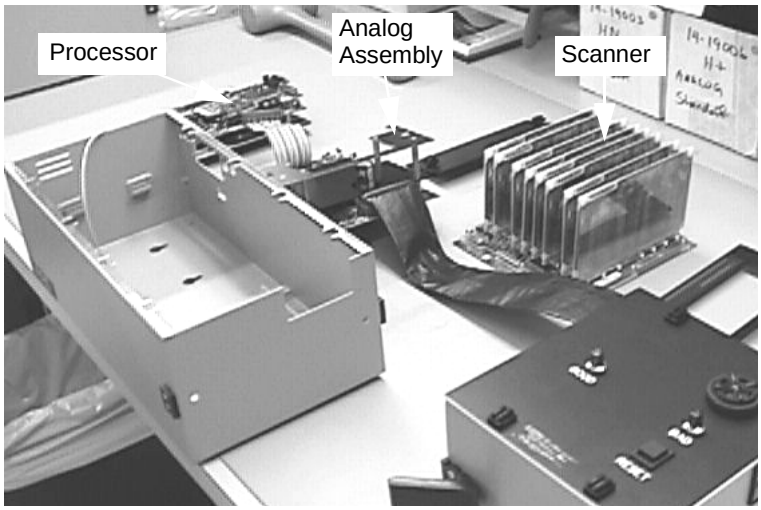
5. Turn the Processor Assembly over gently. You'll see the ribbon cable still connected to it. The wires running to the system speaker are also still connected.



6. Disconnect both the ribbon cable and the speaker wires, and lay them carefully aside. The Processor Assembly is now disconnected from the rest of the analyzer.

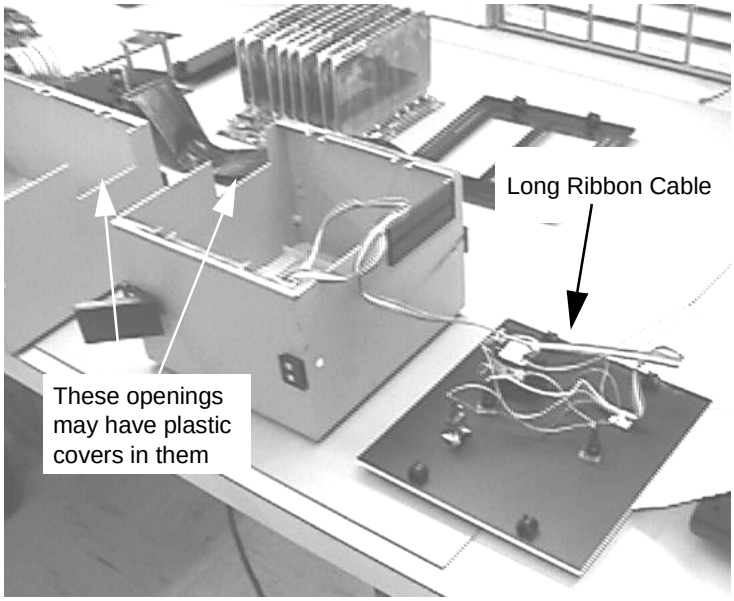


7. Gently, lift the analog assembly up and out of the chassis. The chassis will now be essentially empty.

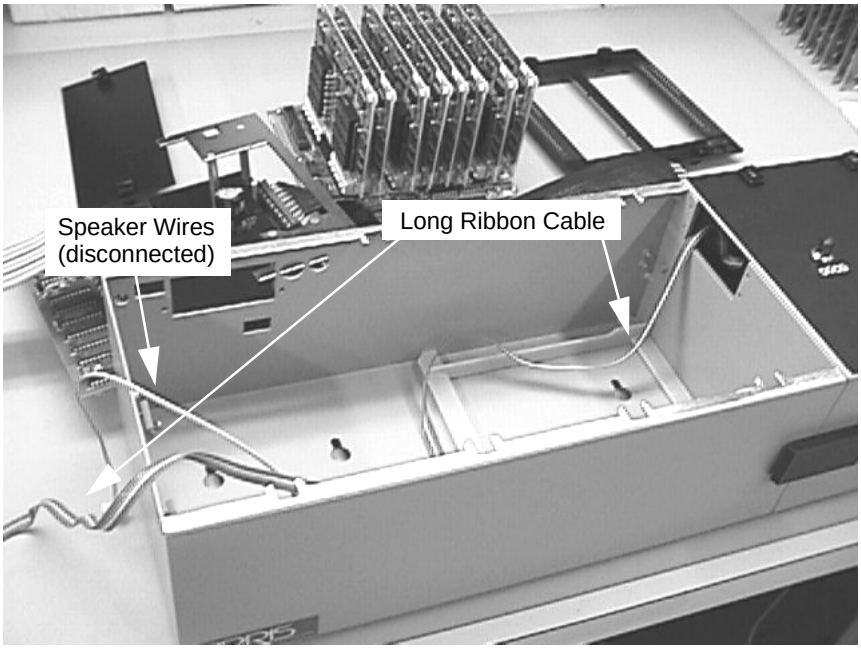


In this view, the Processor Assembly and the Scanner Assembly have both been laid aside lying on their tops. The analog assembly with its metal frame has been lifted out of the chassis, and set on the bench.

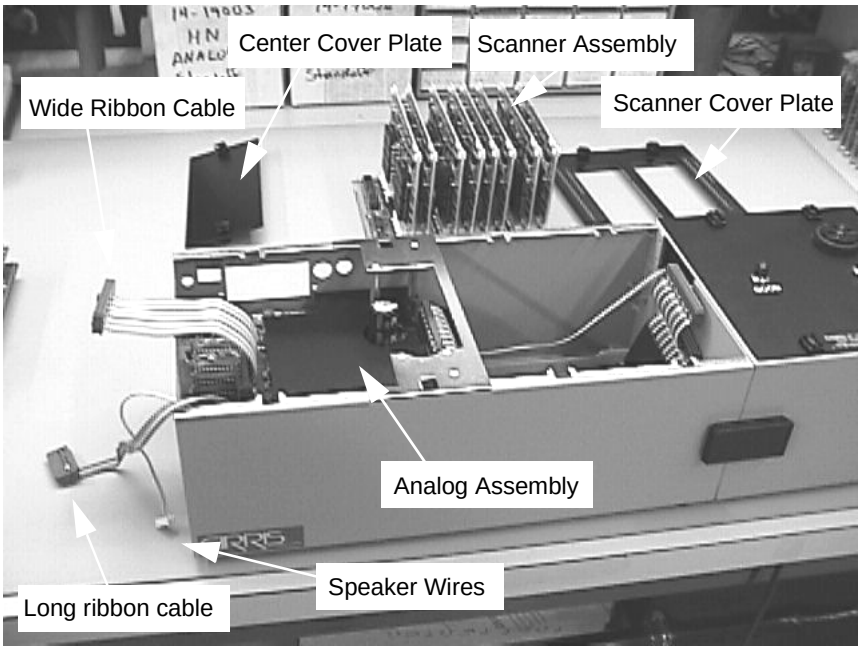
8. Unlock the quarter-turn fasteners on the alarm box, and lift the top assembly out of the chassis. Lay the assembly carefully on its top as shown. Note the long ribbon cable coming from the upper assembly in the Alarm box.

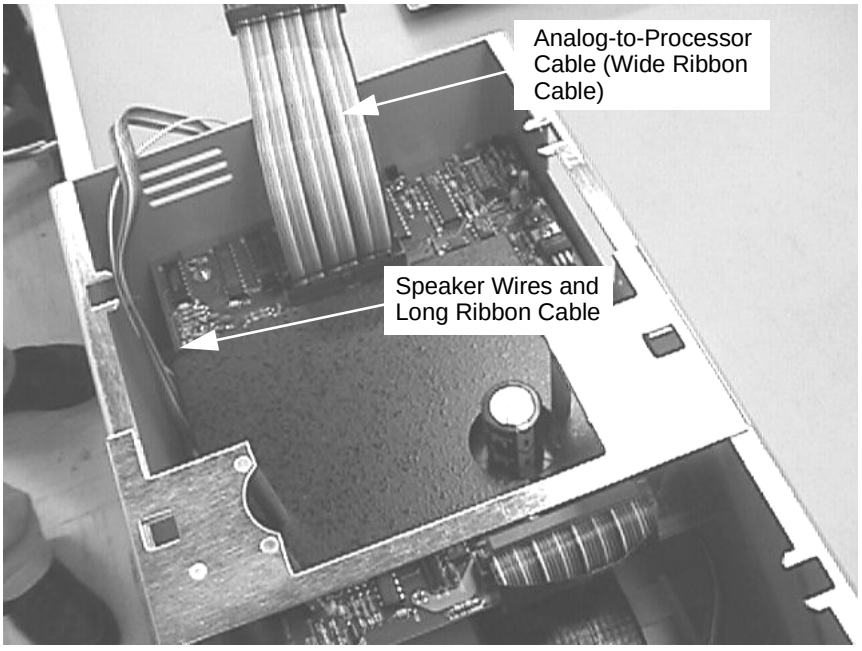


9. Pop out the plastic covers from the rectangular openings in the sides of both boxes (if they're there), snake the long ribbon cable through the rectangular openings in the sides of both chassis, then butt the two chassis together (the pins on the side of the Alarm Box should fit into the holes in the side of the analyzer) and engage the drawlatches to lock the boxes together. Replace the top assembly on the alarm box. Note that the long ribbon cable should snake across the entire bottom of the analyzer's chassis box.

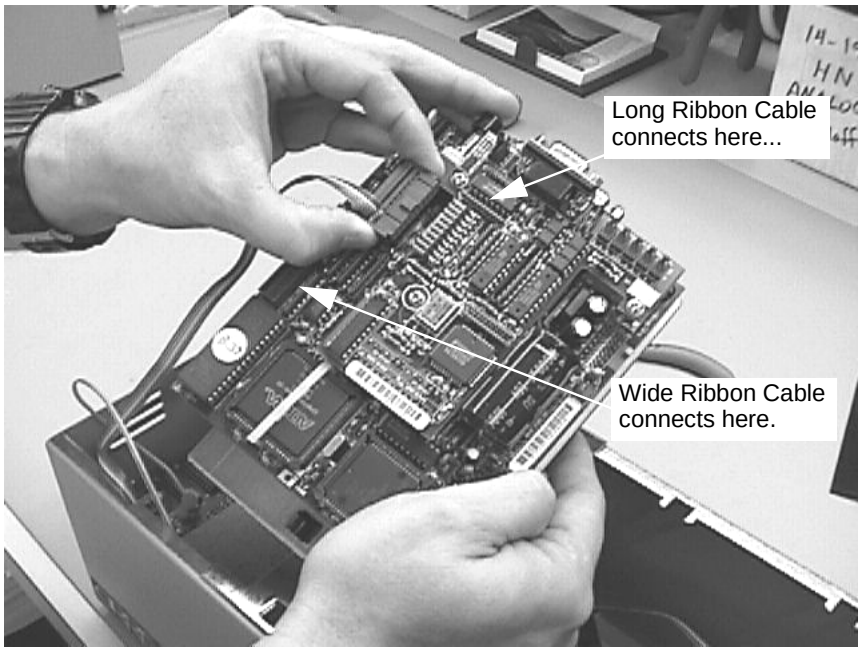


10. Replace the analog assembly (with its metal frame) in the analyzer's chassis. Note that the speaker wires and the long ribbon cable still aren't connected. In the lower photo (with the analog assembly in place), note how the long ribbon cable and the speaker wires run down alongside the analog assembly.

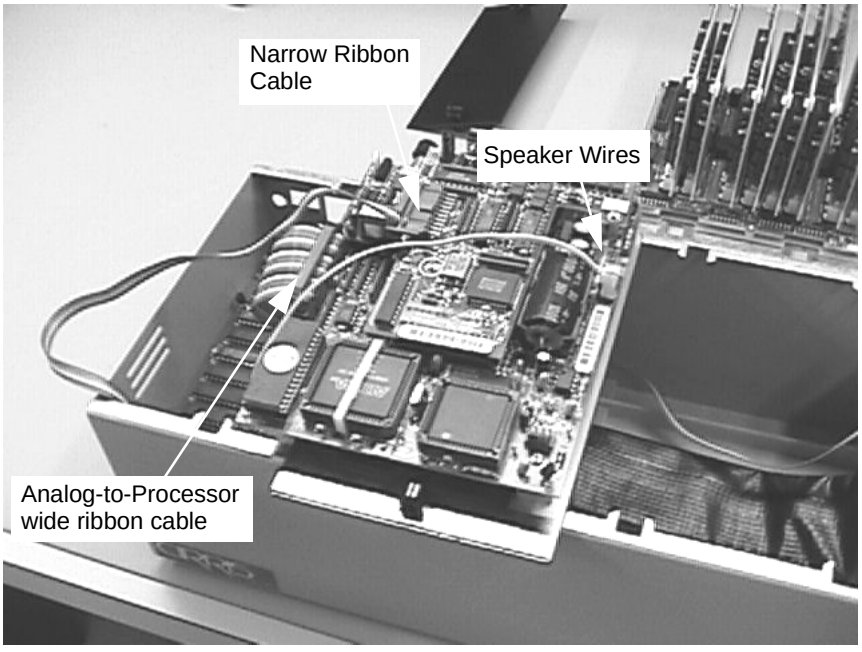




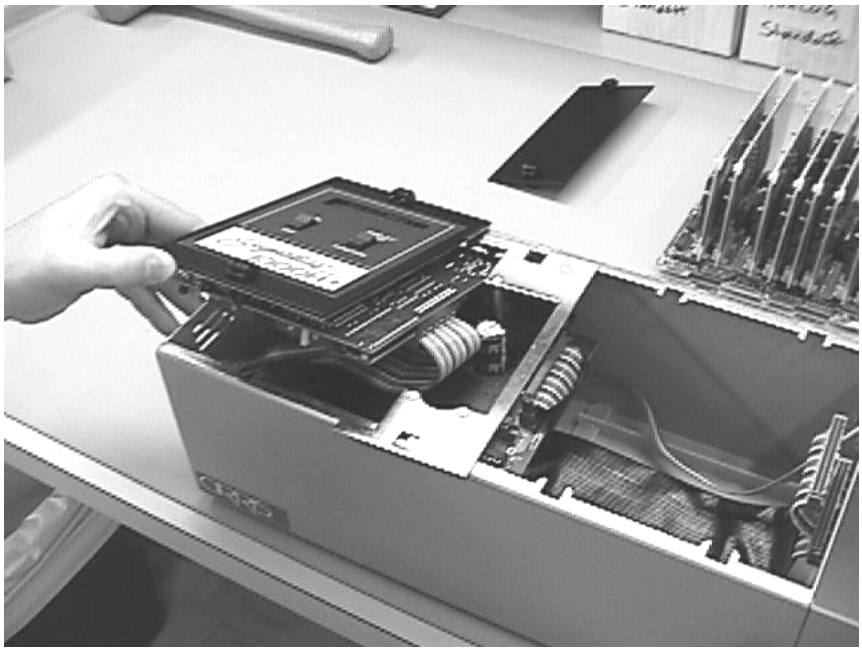
11. Connect the long ribbon cable, and the wide Analog-to-Processor ribbon cable to the connectors on the processor as shown here.



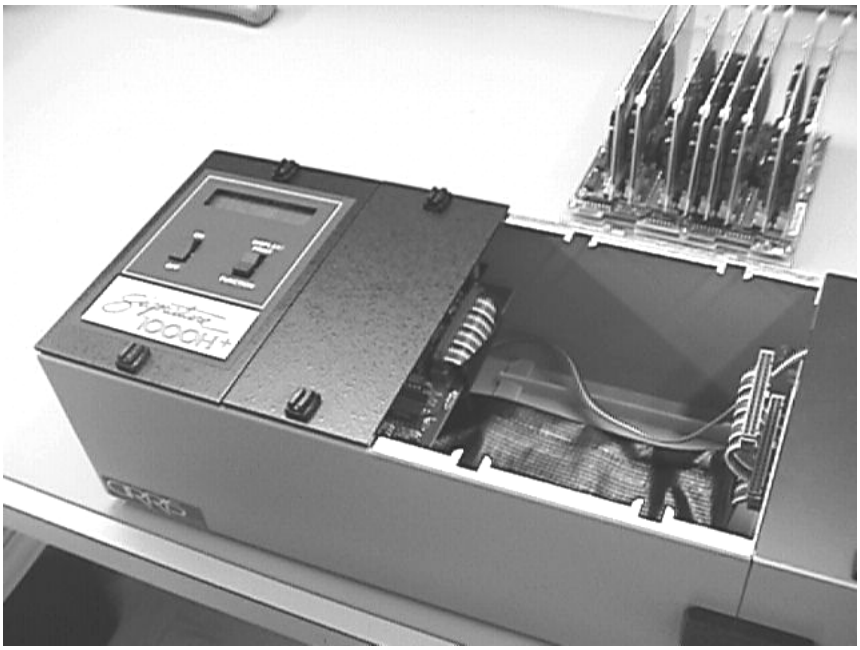
12. Connect the speaker wire as shown here. By now, all three cables (the wide Analog-to-Processor ribbon cable, the narrower long ribbon cable, and the speaker wires should all be connected to the processor assembly. If they're not all connected as shown in this photo, connect them.



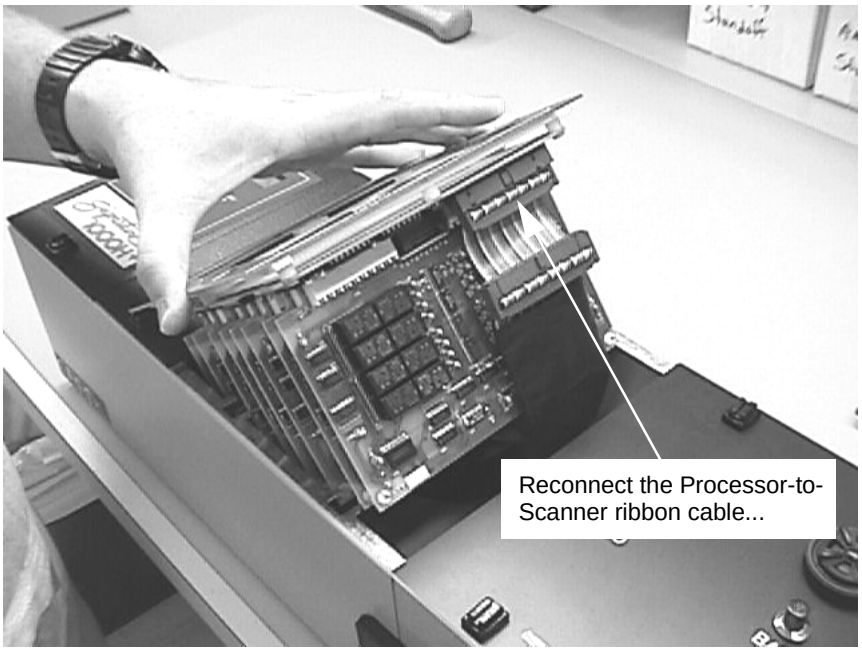
13. With all three cables reconnected to the processor assembly, turn the processor assembly right side up, and carefully lower it back into the chassis as shown here. **Be sure to lower the assembly at an angle as shown!** This will avoid snapping the pogo pin that grounds the processor to the chassis.



14. Replace the center cover plate as shown here.



15. Reconnect the Processor-to-Scanner ribbon cable, then lower the scanner assembly carefully back into the chassis as shown here.



16. Replace the scanner cover plate. The installation of the Alarm Box is now complete!