



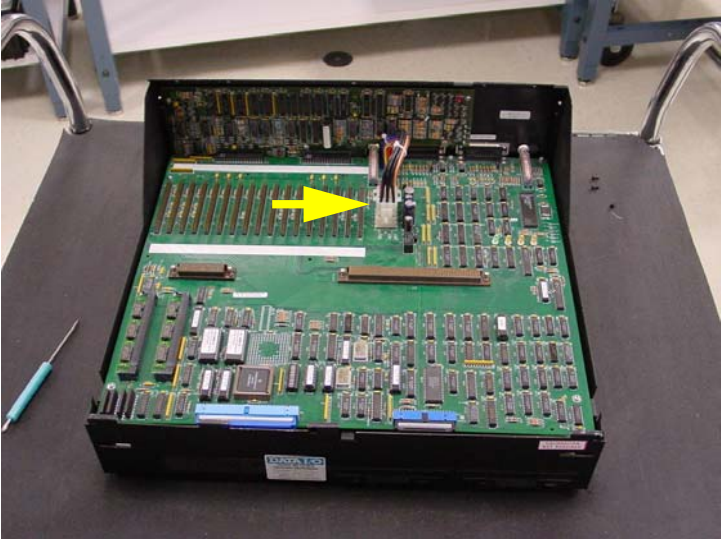


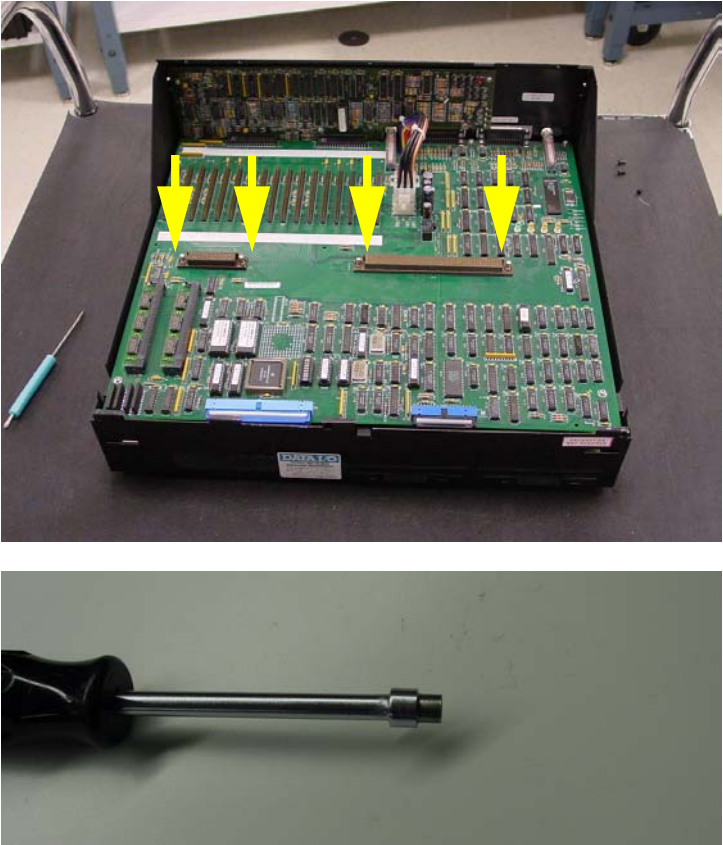
Assembly Instruction

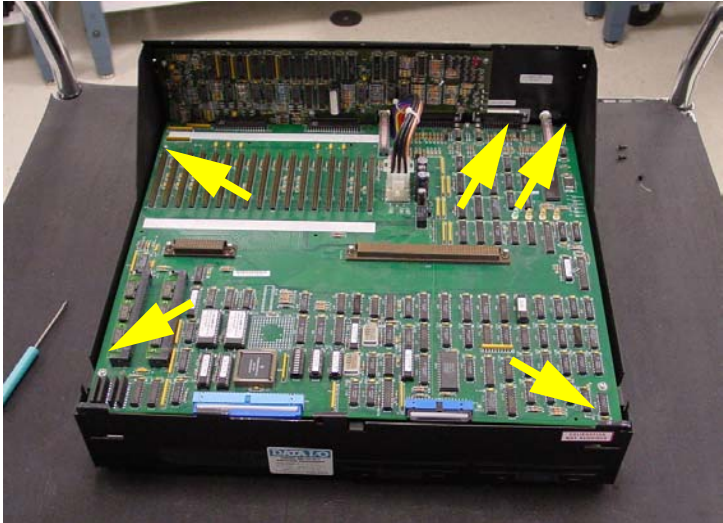
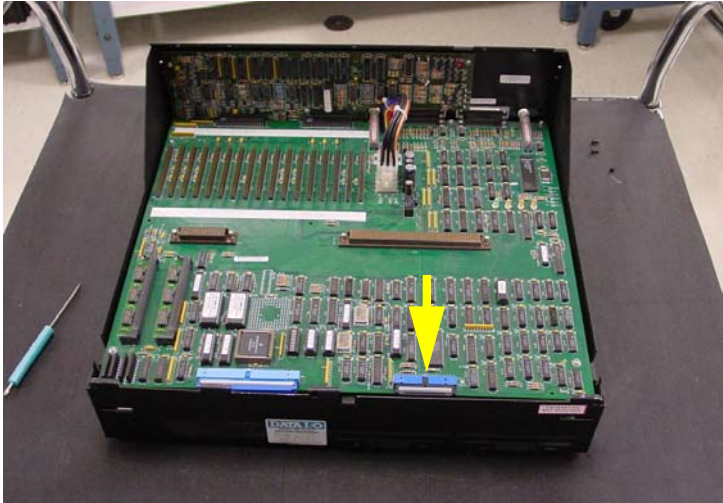
Unisite-xpi Upgrade


Rev.	Description	Date	Checked	Approved
A	Release	6/25/01		WCG
B	ECO 7729; accommodate MSM cables	8/30/02		D. Steffens

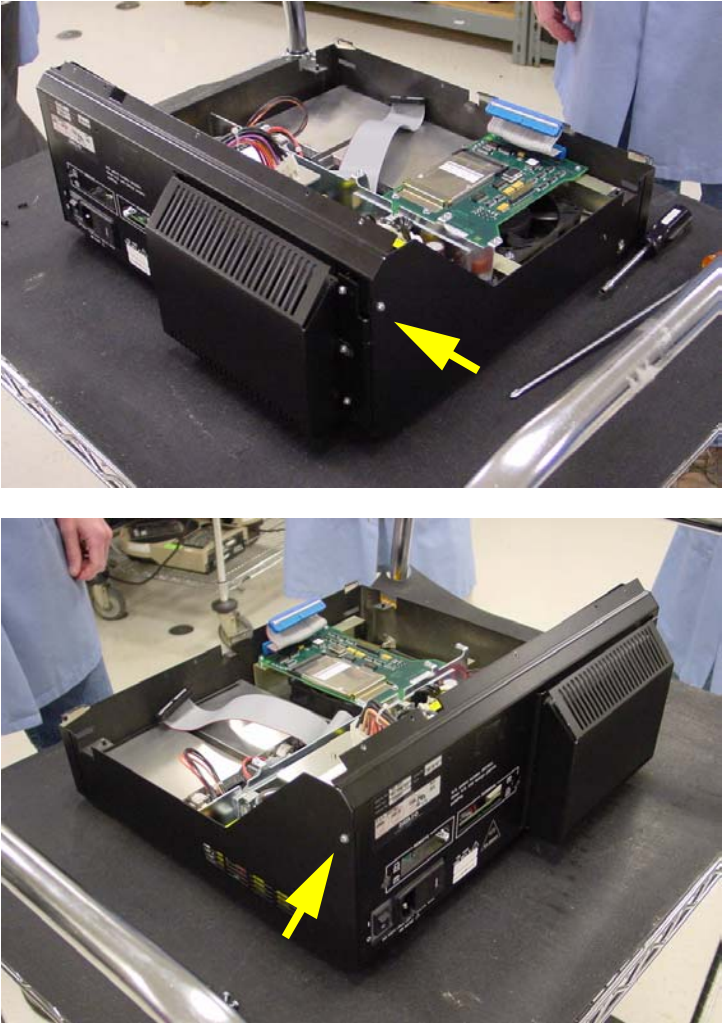
Step	Process	Equipment	Operation	Checkpoints
1	Disassemble Programmer	#2 phillips screwdriver.	<p>Remove three screws from Top Cover, and then remove the Top Cover.</p> 	ESD precautions required.
2	Disassemble Programmer	#2 phillips screwdriver.	<p>Remove three Pin Driver Retainer screws and the Pin Driver Retainer.</p> 	

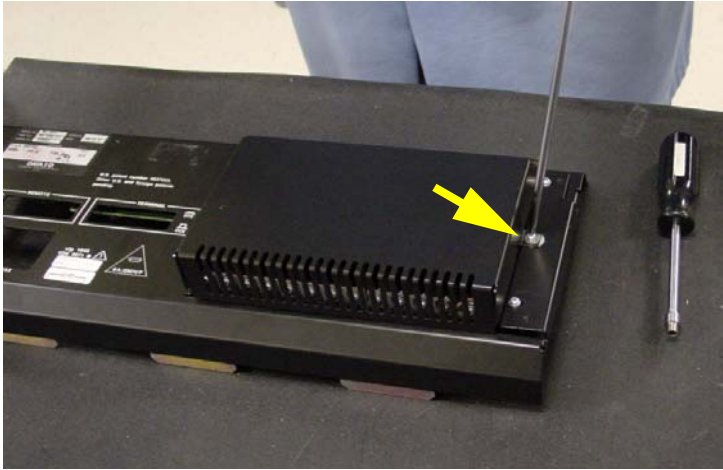
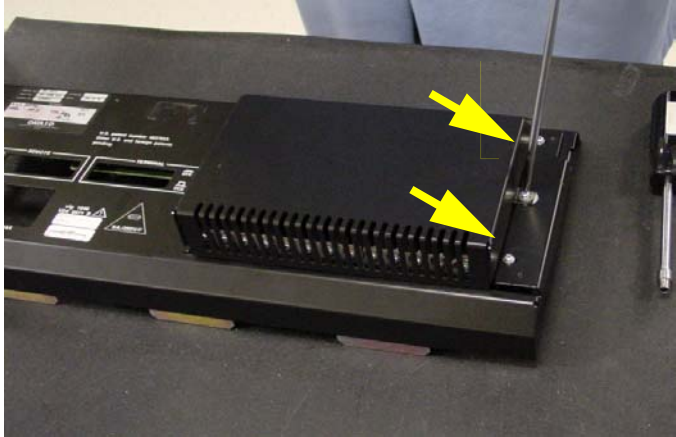
Step	Process	Equipment	Operation	Checkpoints
3	Disassemble Programmer		Remove the Pin Drivers.	
4	Disassemble Programmer		<p>Disconnect the Power Supply (J17) from the Controller board.</p> 	

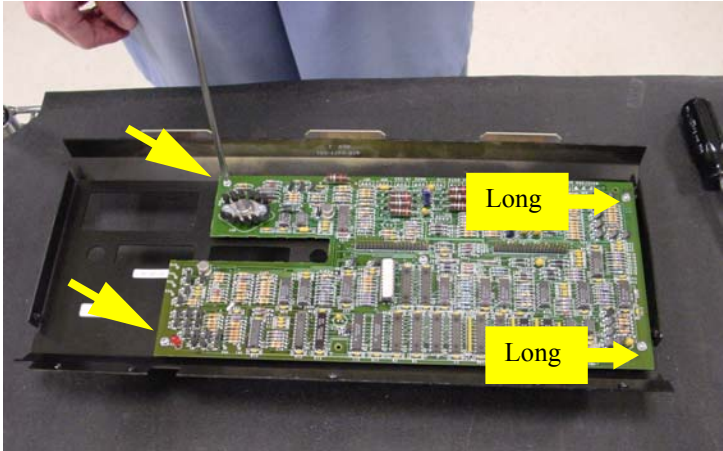
Step	Process	Equipment	Operation	Checkpoints
5	Disassemble Programmer	¼ thin wall, deep socket	<p>Remove four Guide Posts.</p> 	<p>A socket or nut runner will need to be modified for clearance, or the guide pins may be rotated by inserting a pin through the radial hole in guide post.</p>

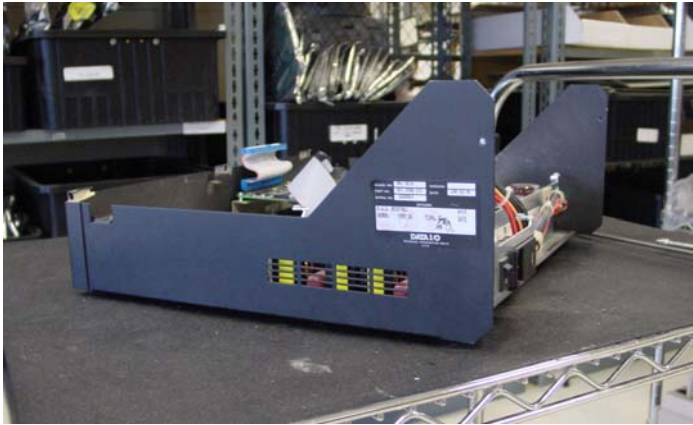
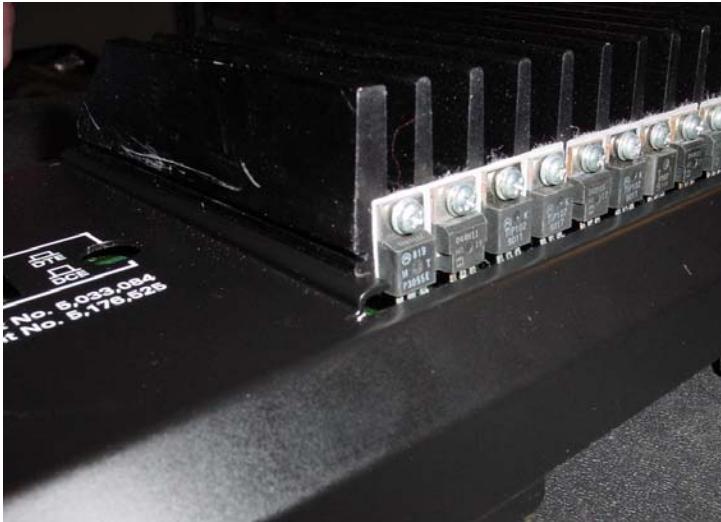
Step	Process	Equipment	Operation	Checkpoints
6	Disassemble Programmer	#2, long shank phillips screwdriver	<p>Remove five Controller board screws.</p> 	
7	Disassemble Programmer		<p>Disconnect the Disk Drive (J25) from the Controller board.</p> 	

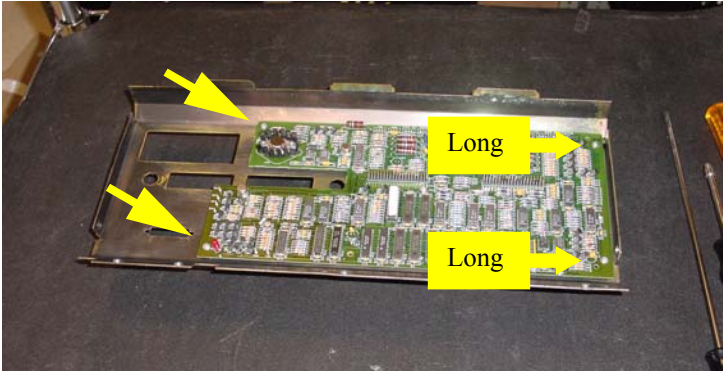
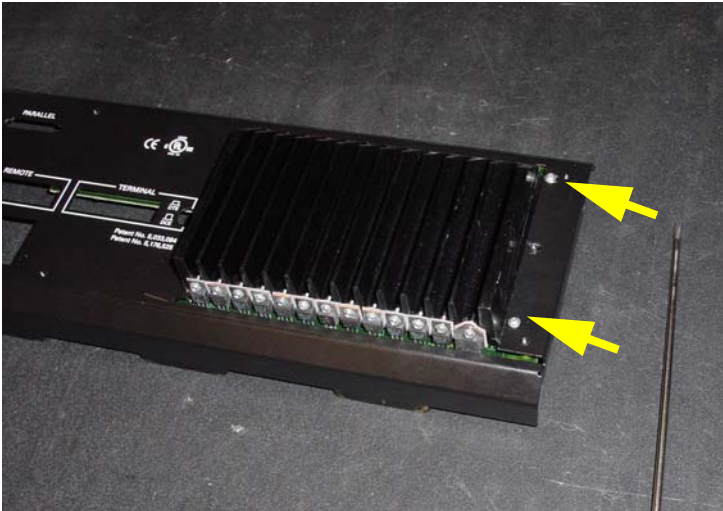
Step	Process	Equipment	Operation	Checkpoints
8	Disassemble Programmer		<p data-bbox="762 167 1703 199">Disconnect the MSM or Extended Memory (J26) from the Controller board.</p> 	
9	Disassemble Programmer		<p data-bbox="762 829 1140 862">Remove the Controller board.</p>	

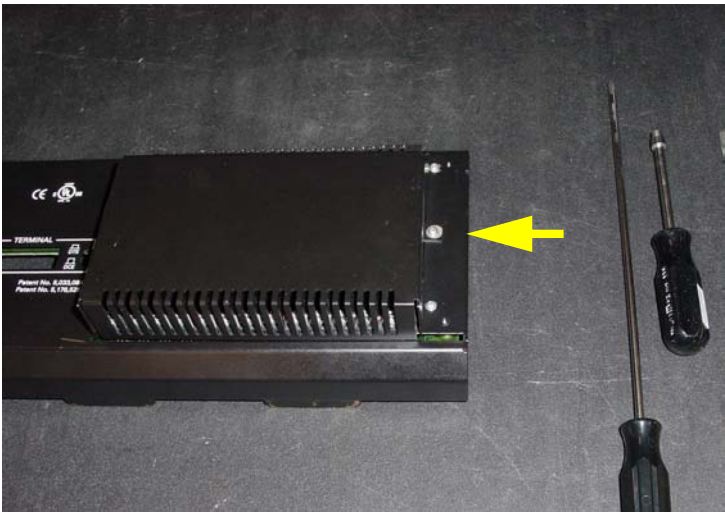

Step	Process	Equipment	Operation	Checkpoints
10	Disassemble Programmer	#2 phillips screwdriver	<p data-bbox="764 168 1178 196">Remove two Back Panel screws.</p> 	
11	Disassemble Programmer		<p data-bbox="764 1308 1205 1336">Remove the Back Panel Assembly.</p>	

Step	Process	Equipment	Operation	Checkpoints
12	Disassemble Back Panel Assembly	#2 phillips screwdriver	<p>Remove one Heat Shield screw.</p> 	
13	Disassemble Back Panel Assembly	#2 phillips screwdriver	<p>Remove two Wave Form board screws.</p> 	

Step	Process	Equipment	Operation	Checkpoints
14	Disassemble Back Panel Assembly		Remove the Heat Shield.	The heat shield is a "snap" fit on the heat sink. The shield must be flexed for removal.
15	Disassemble Back Panel Assembly	#2 phillips screwdriver	Remove four Wave Form board screws. 	Note location of two long screws.
16	Disassemble Back Panel Assembly		Remove the Wave Form board with Heat Sink.	

Step	Process	Equipment	Operation	Checkpoints
17	Disassemble Back Panel Assembly	Razor Blade	<p>Transfer the Serial Number Label from the Back Panel to the side of the chassis.</p> 	Late model programmers do not have a Serial Number label on the Back Panel.
18	Assemble Back Panel Assembly		<p>Install Wave Form board with Heat Sink on new Back Panel</p> 	Note which heat sink slot engages Back Panel.

Step	Process	Equipment	Operation	Checkpoints
19	Assemble Back Panel	#2 phillips screwdriver	<p>Install four Wave Form board screws.</p> 	Note location of two long screws.
20	Assemble Back Panel Assembly	#2 phillips screwdriver	<p>Install two Wave Form board screws.</p> 	
21	Assemble Back Panel Assembly	Straight blade screwdriver	<p>Install Heat Sink Shield.</p>	

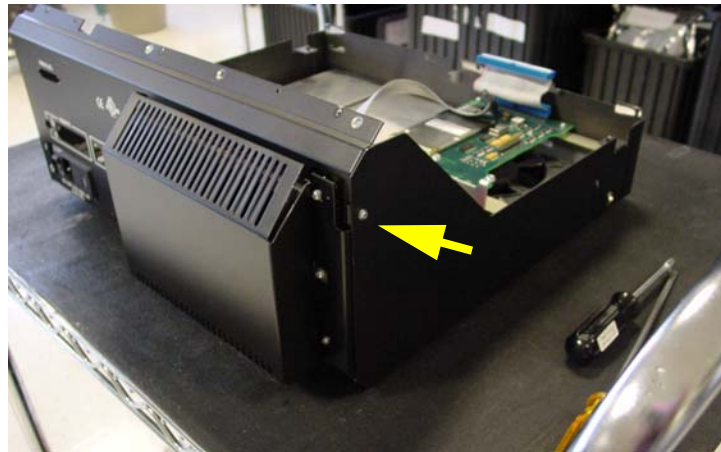
22	Assemble Back Panel Assembly	#2 phillips screwdriver	<p>Install one Heat Sink Shield screw.</p> 	
23	Assemble Programmer		<p>Install Back Panel Assembly.</p> 	


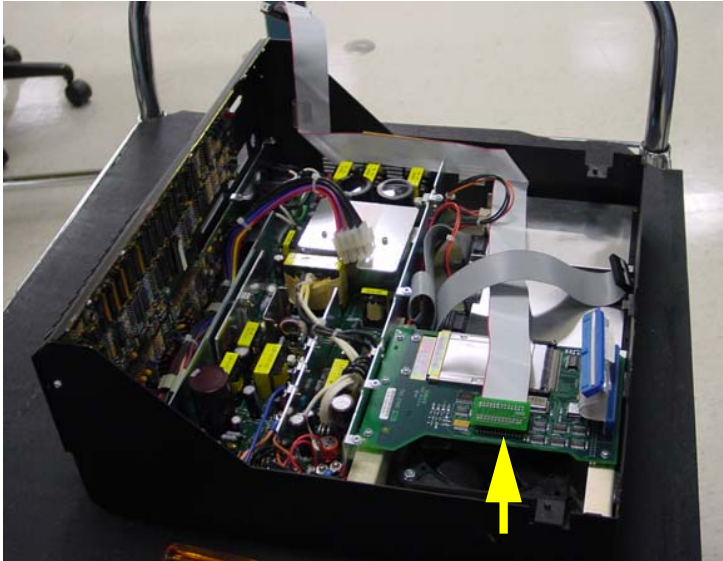


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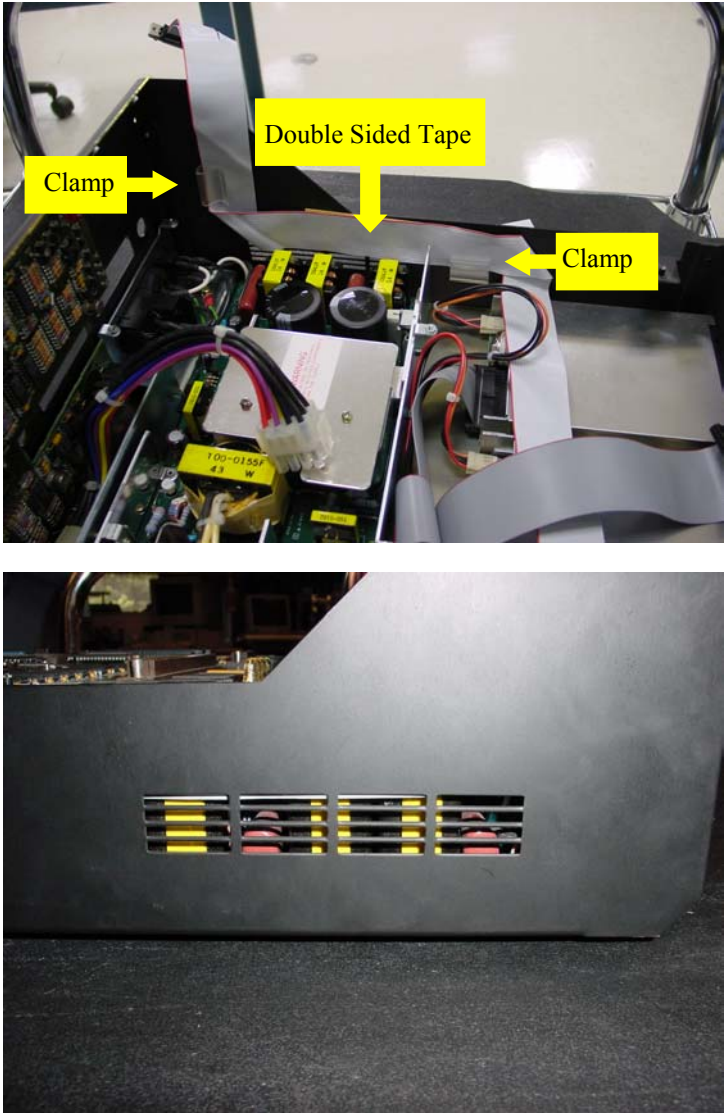
Assemble Programmer

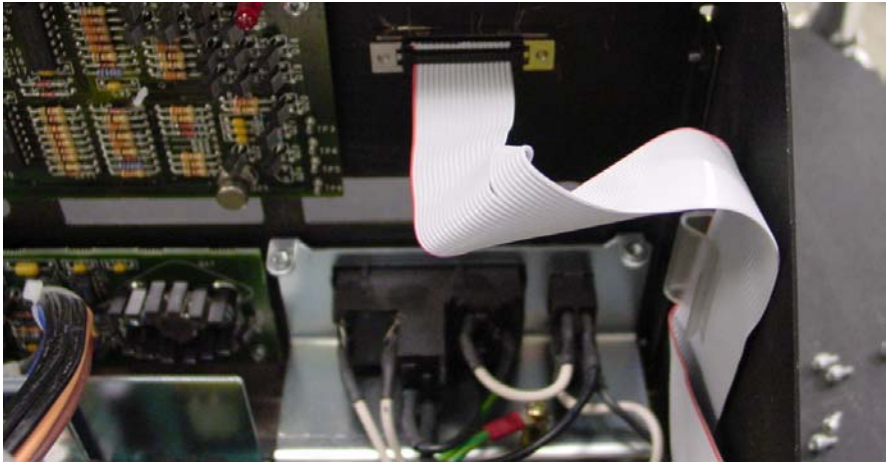
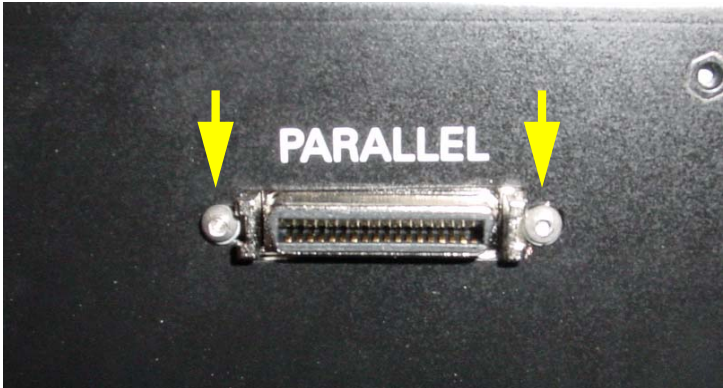
#2 phillips
screwdriver

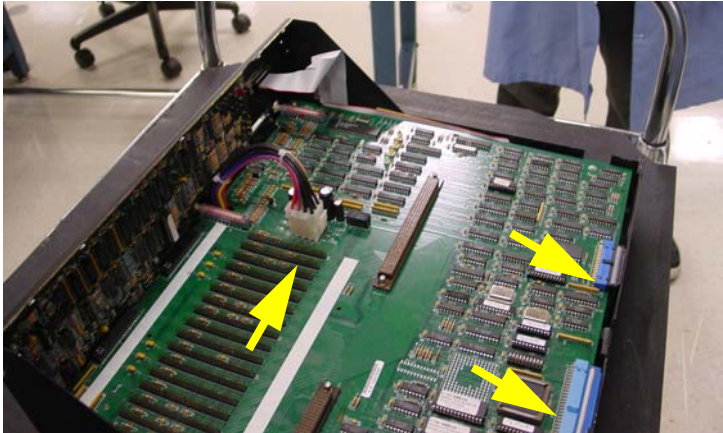
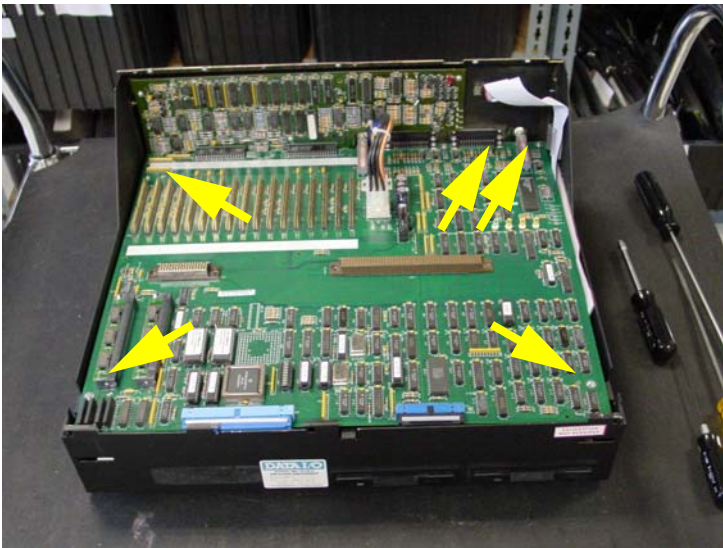
Install two Back Panel screws.

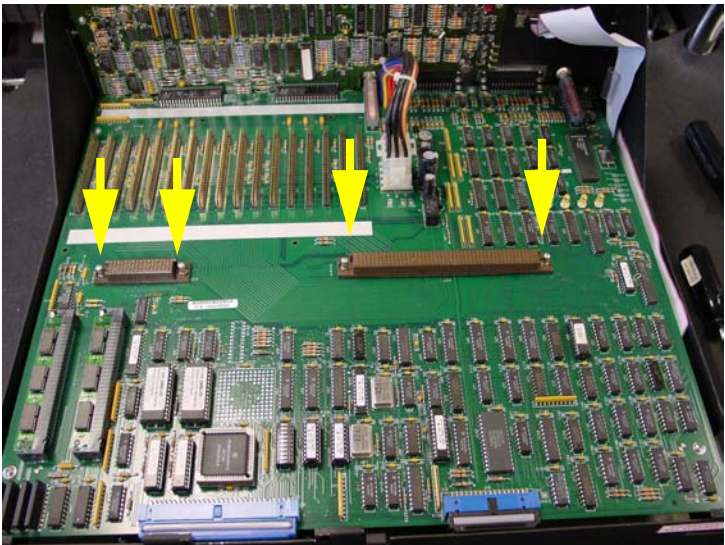
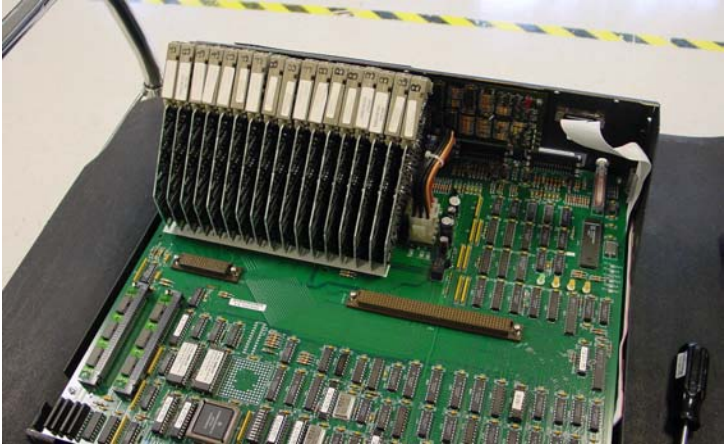


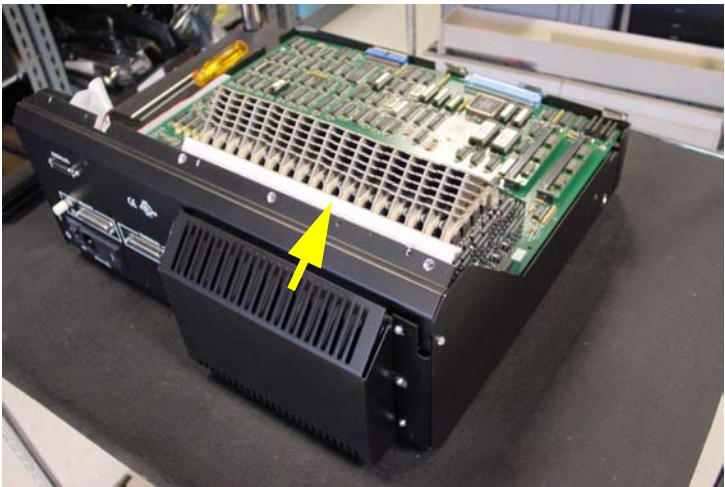
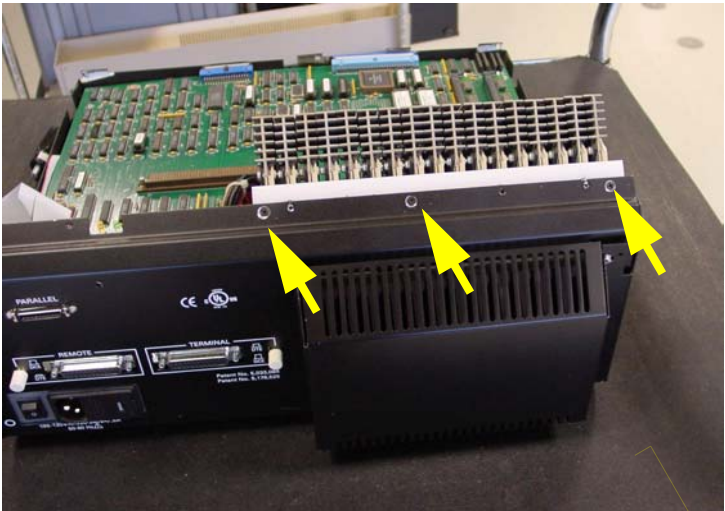
<p>25A</p>	<p>Assemble Programmer</p> <p><i>Select Step 25A or 25B</i></p> <p>Use 25A with the following cable:</p> 		<p>Attach Parallel Cable to MSM.</p> 	
<p>25B</p>	<p>Assemble Programmer</p> <p><i>Select Step 25A or 25B</i></p> <p>Use 25B with the following cable:</p> 		<p>Attach Parallel Cable to MSM</p> 	

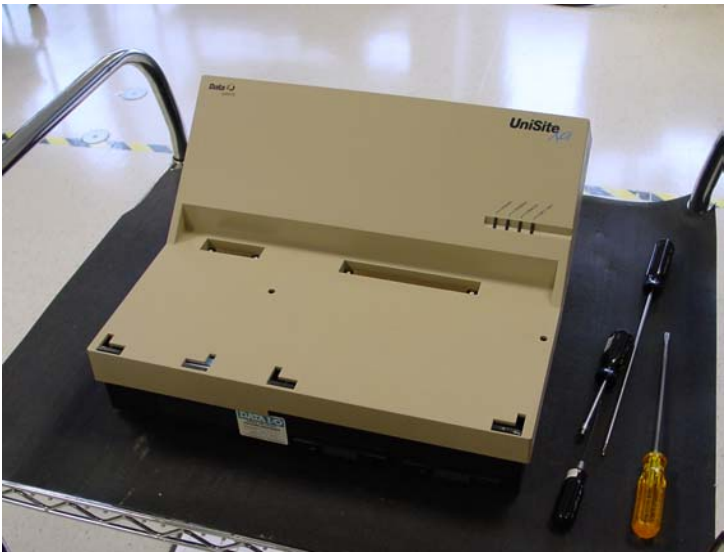
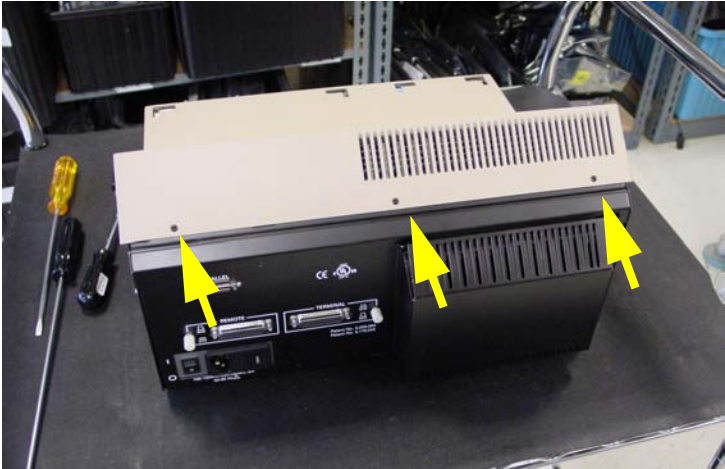
26	Assemble Programmer		Form bends in Parallel Cable.	
27	Assemble Programmer		<p>Install Cable Clamps and Double Sided Tape.</p> 	<p>Align the top edge of the ribbon cable with the top edge of the chassis. Verify that the ribbon cable does not block the chassis vent.</p>

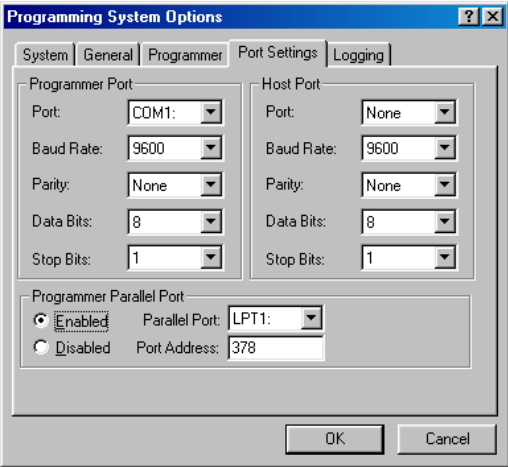
28	Assemble Programmer		<p>Place Parallel Cable in Back Panel.</p> 	<p>Note orientation of connector as shown by red tracer on ribbon cable.</p>
29	Assemble Programmer	1.5mm hex key	<p>Install two Parallel Cable screws and washers.</p> 	
30	Assemble Programmer		<p>Install Controller board.</p>	


31	Assemble Programmer		<p>Connect the MSM (J26), Disk Drive (J25) Power Supply (J17) to the Controller board.</p> 	
32	Assemble Programmer	#2 phillips screwdriver	<p>Install five Controller board screws.</p> 	

33	Assemble Programmer	$\frac{1}{4}$ thin wall, deep socket	<p>Install four Guide Posts.</p> 	
34	Assemble Programmer		<p>Install Pin Drivers.</p> 	

35	Assemble Programmer		<p>Install Pin Driver Retainer.</p> 	
36	Assemble Programmer	#2 phillips screwdriver	<p>Install three Pin Driver Retainer screws.</p> 	

37	Assemble Programmer		<p>Install the new Top Cover.</p> 	
38	Assemble Programmer	#2 phillips screwdriver	<p>Install three Top Cover screws.</p> 	

39	Test Programmer	PC with TaskLink and Parallel Cable.	Verify that TaskLink version 4.21 (or higher) is installed on the PC. Verify that software version 6.6 (or higher) is installed on the programmer.	
40	Test Programmer	PC with TaskLink and Parallel Cable.	With the programmer off, connect the parallel port cable between the PC and the programmer parallel port. Connect the serial port cable between the PC and the programmer remote port.	
41	Test Programmer	PC with TaskLink and Parallel Cable.	<p>Start TaskLink. On the TaskLink main screen, from the <i>Systems</i> menu select <i>Options</i> and go to the <i>Port Settings</i> tab. In the Programmer Parallel Port field, check “Enabled,” select a Parallel Port from the drop-down list, and enter the Port Address value. Click OK.</p> 	
42	Test Programmer	PC with TaskLink and Parallel Cable.	Power up the programmer and wait until the self-test light goes out.	

43	Test Programmer	PC with TaskLink and Parallel Cable.	<p>Click the <i>Establish Contact</i> icon  on the TaskLink main screen. The message “Contact with programmer established” is displayed.</p> <p>Note: If the message “Attempting to Contact Programmer” is displayed, TaskLink has failed to establish contact with the programmer. Please check these steps:</p> <ul style="list-style-type: none"> • Verify that the Flat Cable (internal) is properly connected to the MSM. (See “Install the Back Panel” on page 3.) • If the Flat Cable or any external cable is changed, re-boot the programmer. • Verify that TaskLink version 4.21 (or higher) is installed on the PC, and that software version 6.6 (or higher) is installed on the programmer. 	
44	Test Programmer	PC with TaskLink and Parallel Cable.	<p>On the TaskLink main screen, from the <i>Tools</i> menu select <i>Programmer Interface</i> to invoke the terminal emulator. Select the self-test screen (<i>More/Self-test</i>) and verify that the programmer passed the self-test.</p>	
45	Test Programmer	PC with TaskLink and Parallel Cable.	<p>Close the terminal emulator window to return to the TaskLink main screen.</p> <p>Note: See “How to Configure Programmer Parallel Port” in TaskLink online Help for additional information.</p>	