

Service Bulletin

Machinery Affected:	Cyber [®] A/T Saws
Document:	SB189
Title:	Replacing a <i>CTC</i> [™] Screen With a PHM Model
Applies To:	Any Previous CTC Screen
Distribution:	Customers, Upon Order



MiTek

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Approved By	Ken Hopper
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Created By	R. Tucker
Applicability	All saws w/ CTC model



Purpose and Scope

For customers that are replacing any previous *CTC* models with a *CTC* touch screen model PHM (PN 504545), follow these instructions to remove the older CTC screen, and install, setup, test, and calibrate the new PHM model.

This document applies only to *Cyber* saws and *Cyber A/T* saws with a touch screen monitor and a stand-alone computer. It does not apply if the computer is being purchased from MiTek at the same time (For example, in the case of an SB160 purchase.)

Overview

The parts included in this kit are shown in Table 1. Please ensure all parts are present before starting this procedure.

Table 1: Parts in SB189KIT

Qty.	Part Description	Part #
1	CTC model PHM touch screen	504545
1	Service Bulletin document	SB189

If you have any questions, call MiTek Machinery Division Customer Service at 800-523-3380.



Procedure



Electrical Lockout/Tagout Procedures

WARNING
ELECTROCUTION HAZARD!
Verify that all power to the machine has been turned off and follow approved lockout/tagout safety procedures before performing any maintenance.
All electrical work must performed by a qualified electrician.
If it is absolutely necessary to troubleshoot an energized machine, follow NFPA 70E for proper procedures and personal protective equipment.

When Working on a Machine Outside the Machine's Main Electrical Enclosure

Before performing maintenance on any machine with electrical power, lockout/tagout the machine properly. When working on a machine outside of the machine's main electrical enclosure, not including work on the electrical transmission line to the machine, follow your company's approved lockout/tagout procedures which should include, but are not limited to the steps here.

- 1. Engage an E-stop on the machine.
- 2. Turn the disconnect switch handle on the machine's main electrical enclosure to the "off" position. See Figure 1.



3. Attach a lock and tag that meets OSHA requirements for lockout/tagout.





Figure 1: Lockout/Tagout on the Main Electrical Enclosure

When Working on a Machine Inside the Machine's Main Electrical Enclosure or in the Electrical Transmission Line to the Machine

Before opening the main electrical enclosure, or attempting to repair or replace an electrical transmission line to the machine, lockout/tagout the machine properly. Follow your company's approved lockout/tagout procedures which should include, but are not limited to the steps here.

- 1. Engage an E-stop on the machine.
- 2. Turn the machine's disconnect switch to the "off" position. This is usually required to open the main electrical enclosure's door.
- 3. Shut the power to the machine off at the machine's power source which is usually an electrical service entry panel on the facility wall. One example of a locked-out power source panel is shown in Figure 2.
- 4. Attach a lock and tag that meets OSHA requirements for lockout/tagout to the electrical service entry panel.





5. Open the door to the enclosure in which you need access, and using a multimeter, verify that the power is off.



Replacing Touch Screen

- 1. Remove old touch screen monitor.
 - a) To remove the previous touch screen, unplug the power cord and then disconnect the power cord plug (green plug with two wires), monitor cable, and 9-pin serial cable from the back of the previous touch screen.
 - b) Locate the 8 screw clips that secure the front bezel to the mounting box frame.
 - c) There are two screw clips on each side, top, and bottom. Using a Phillips screwdriver remove all but two clips (one on each side of the monitor).
 - d) Remove the final two clips while holding the monitor.



2. Install new model PHM touch screen monitor.

To install the new monitor, perform the previous steps in reverse order.



Take care not to over tighten the screws because the bezel screws can easily be stripped and may require vendor repair. MiTek will not be responsible for these repairs.

3. Remove old monitor touch driver.

Note: You will need to install a keyboard and mouse to be able to remove the old touch driver from your PC.

- a) From Windows XP desktop, go to *Start>Control Panel>Add/Remove Programs*, and press ENTER
- b) After Windows creates a list of installed programs, locate the program named *Universal Pointer Device Driver* (UPDD).
- c) Highlight and remove this program by clicking the CHANGE/REMOVE button. After the program is removed it should disappear from the list.



Prior to removing the remaining two clips make sure someone is holding the monitor to prevent it from falling out of the enclosure. Remove the monitor from the enclosure and place it in a safe location out of the way.



4. On the included flash drive you will find the zipped folder UniWinDriverx.xx. Copy it to the root of C:\ then right-click on it and select *Extract all*.

7 Favorites	Name	Date modified	Type	Size
Desktop	Adobe Reader	7/27/2016 7:12 AM	File folder	
Lownleads	CIMPLICITY B.1	7/27/2016 7:44 AM	File folder	
S Recent Places	L CIMPLICITY 8.3 SIM 10	7/27/2016 7:45 AM	File folder	
	Cyber AT Cimplicity Project v21.19	7/27/2016 7:50 AM	File folder	
Libraries	J MiTek Parts Guide	10/19/2016 1:19 PM	Tile folder	
Documents	📕 Maxa Serial Port Driver	6/37/2017 8:55 3.84	File folder	
Music	🗼 PacAnalyzer	7/27/2016 7:52 AM	File folder	
Fictures	J PLC	7/22/2016 7:52 464	Filefolder	
Videos.	AddNetworkCapability	11/6/2017 12:20 PM	Windows Eatch File	1.88
	1 Cybersaw AT Drawing Set and Electrical S	12/5/2007 5:56 AM	Adobe Acrobat D	19,017 KE
🗣 Computer	🔁 Cytiersaw AT Installation Manual	2/17/2013 10-38 AM	Adobe Acrobat D	7,096 KB
🚨 OS (C.)	🔁 Cybersaw AT Maintenance Manual	2/17/2012 11:08 AM	Adobe Acrobat D	25,032 KB
CYBER AT (E)	1 Cybersaw AT Operation Manual	2/17/2012 12:18 PM	Adobe Acrobat 0	21,629 KE
Lyber AT Software	B PowerPointViewer	7/24/2012 6:29 AM	Application	65,730 KH
📕 Cyber AT Software	Setup for MVP	11/9/2017 9/48 AM	Office Open XML _	444 KB
📕 Win10 UPDD Touc	1 UniWinDriver7.08	4/13/2018 2:37 PM	Compressed Ltipp	5,887 KB
Network				

5. Click Extract.





6. The files below will be extracted.

genize - Include	in library +	Share with -	Burn	New folder			
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12 Recent Places	ender	He .		10/16/20L3 2-48 PM	Text Document	8.42	
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Videos	(a) toufit			10/13/2013 5-31 PM	Satury Information	4.822	
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7. Right-click on *Setup* and select *Run as administrator*.

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Favorites	Name			Data modified	Type	Sor	
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TRACERT Places	matrie			10/16/2013 248 FM	Test Document	145	
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Network:							



8. Click Next.



9. Put a check in box by I accept all of the terms of the above License Agreement.

	Please read the following license agreement. Press the PAGE DOWN key to see the rest of the Microchip End-User License Agreement (EULA) IMPORTANT: MICROCHIP IS WILLING TO LICENSE THE TSHARC SOFTWARE AND ACCOMPANYING DOCUMENTATION OFFERED TO YOU ONLY ON THE CONDITION THAT YOU ACCEPT ALL OF THE FOLLOWING TERMS. TO ACCEPT THE TERMS OF THIS LICENSE, CLICK "I ACCEPT" AND PROCEED WITH THE DOWNLOAD OR INSTALL IE YOU	•
Accept Select Controller Configure Install	DO NOT ACCEPT, "AND DO NOT DOWNLOAD OK INSTALL. IF YOU DO NOT ACCEPT," AND DO NOT DOWNLOAD OR INSTALL THIS SOFTWARE. NON-EXCLUSIVE SOFTWARE LICENSE AGREEMENT FOR MICROCHIP TSHARC™ SOFTWARE	
	IMPORTANT - READ CAREFULLY. This Nonexclusive Software License Agreement I accept all of the terms of the above License Agreem	₹ ent.
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10. Under Controller Interface select *Serial (RS/232)* then click *Next*.

Select Controller		×
	Instructions 1. Select the controller type. 2. Select controller interface type.	
MICROCHIP	Controller Type • 12 or 10 Bit Controller	
Welcome	Controller Interface	
Accept	(• Serial (RS/232) Autodetect	
Select Controller		
ra Configure	C USB	
lo Install Ai id 10/12 BIT id USB ïd		
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20 7	< Back Next > Can	cel

11. Under COM Port select COM 1(default) and under Baud Rate select 9600 (*default*) and click *Next*.

1	Instructions Select the communication pro- controller is connected to. Select the baud rate that yo configured for.	ort that your touch screen our touch screen controller is
MICROCHIP	COM Port	
Welcome	C COM 2	C COM 5
Accept	C COM 3	C COM 7
Select Controller	C COM 4	C COM 8
Configure	Baud Rate	1
Install	C 2400 @ 9600 (default)	5
10/12 BIT Serial	C 4800 C 19200	
COM 1 9600 bps		



12. Select Automatically start Touch Screen Tray Application and click Finish.



13. Click OK.





- 14. Test and calibrate the new touch monitor.
 - a) Before calibrating the pointer, make sure it works first. Touch the screen and see if the pointer moves. Don't be concerned if it doesn't move under your finger just yet. The important thing is that when you touch the screen it responds. If not repeat previous step.
 - b) Go to Start and launch *Microchip TSHARC Control Panel* and select the *Calibration* tab.





c) Select *Begin Calibration*. Then, touch and hold each of the circles on the screen until it changes color. When done, select *Accept*.



You only have a short amount of time to press each target. If you do not react fast enough or the screen does not sense your finger then a time-out will occur and the calibration is aborted. Do not make any other changes in the control panel (Default settings work fine).

with 🔻 🛛 Burn	New folder	
Microchip TSHARC	Control Panel Rev 7.08	23
Screen Selection Select	Calibration Click Settings Touch Settings Tools Modify	
-5 Point	×	8
-9 Point	8	∞
-25 Point	Calibration Inset: 20%	
-28 Point	Begin Calibration	
	Ok	ancel Apply

15. The screen should be working properly. If you are still having trouble getting anything to respond, contact MiTek for assistance.

END OF SERVICE BULLETIN