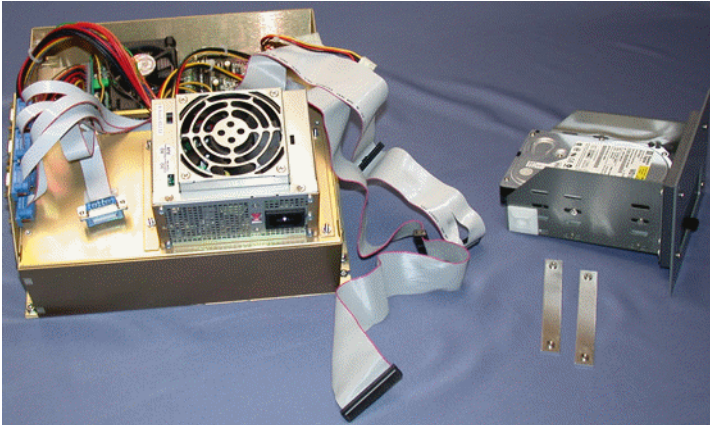


TB158 (Rev1) - Installing New Style M39 PC in an Old Cabinet

Overview

This document describes the procedure for installing the new style M39 PC in the smaller Magnetics cabinets that housed the AT PC cases. Listed below are the parts required to complete this task.

New Style M39 PC w/ Floppy drive bracket:



Parts Required:

1. MSI 6368L motherboard mounted in new case
2. Short CPU7 card
3. Floppy drive assembly with 2-brackets
4. 4-1/4" 6/32 bolts and 4-3/8" 6/32 bolts

Installation

1. Disconnect all cables from PC and remove from cabinet. Remove PC shelf and the sliding door assembly from the cabinet. (See picture 1)
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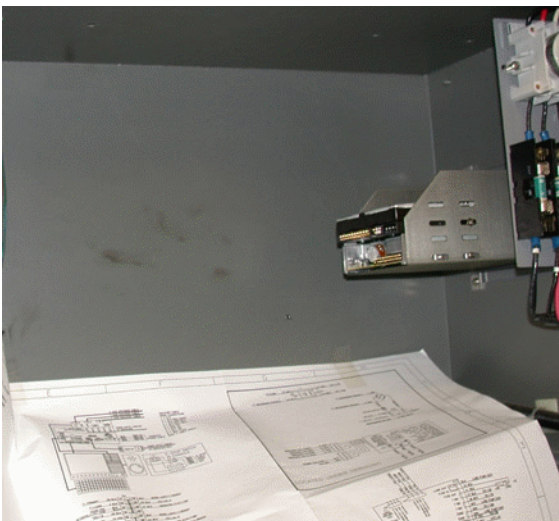
Picture 1: Electrical Cabinet:



2. Referencing the right wall of the cabinet measure out $6 \frac{7}{8}$ " and $17 \frac{1}{2}$ " marking these on the back wall of cabinet. Then measure 1" and $9 \frac{1}{2}$ " down from top of cabinet, lining up with the $6 \frac{7}{8}$ " and $17 \frac{1}{2}$ " marks to mark your 4 holes to mount the PC.

3. Tape a piece of paper or plastic to the back wall of the cabinet under your markings, to keep the metal shavings out of the electrical components on the sub panel and the drive. (See picture 2) Now drill and tap the 4 holes for a $6/32$ bolt.

Picture 2: Setup for drill and tapping holes:



4. Pass the floppy drive bracket through the hole of the side of the cabinet so that the faceplate butts up against the side of the cabinet. Place the 2 small brackets on the inside of the cabinet so that the holes on the brackets line up with the holes on the faceplate. Use $3/8$ "- $6/32$ bolts to fasten the faceplate to the brackets holding the floppy drive bracket in place. (See picture 3)

Picture 3: Mounting floppy drive assembly to cabinet:



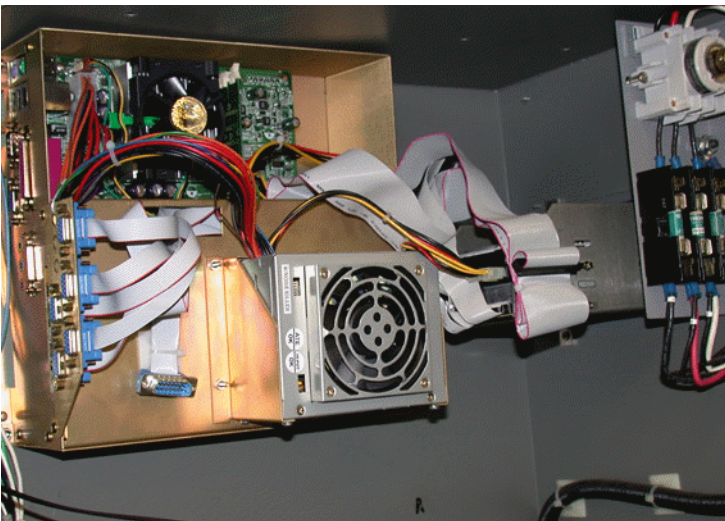
5. Bolt the PC in the cabinet using 4 x ¼"- 6/32 bolts.

6. Connect the floppy drive ribbon cable to the drive and connect the IDE (hard drive) cable to hard drive if mounted in drive bracket. Also connect power cables from power supply to floppy drive and hard drive if applicable.

7. Reconnect fiber optic cables (1=TXS, 2=CHK, 3=RXS, 4=DATA, and 5=SYNC), encoder cables (axis 1=X axis, axis 2=Y axis, axis 3=Z axis and axis 4=4th axis), pendant intermediate cable, monitor and keyboard and power supply cables to PC. (See picture 4 on next page)

8. Power up machine and check operation.

Picture 4: M39 PC and drives mounted in cabinet:



Document History

Rev1 Created on **2002-08-08**