



# **XTM 8 Series De-manufacturing Instructions**

Document Number: 480-2532-001

**1.0 Purpose**

This instruction defines the de-manufacturing process for the recovery of this product family as it pertains to recycling of the major product components.


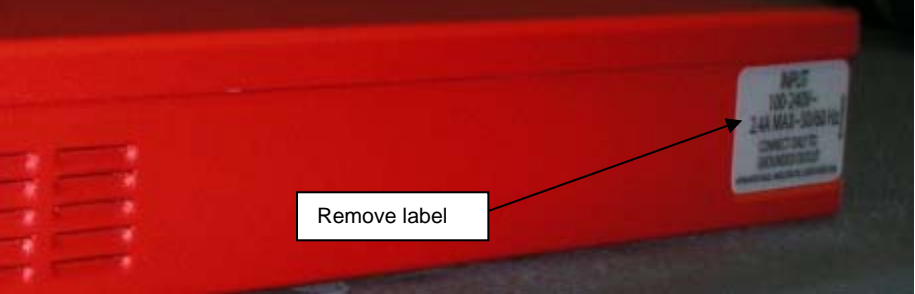

**2.0 Scope**

This instruction applies to the following product family and family part numbers.

Product Family Name	Family part #'s (not necessarily inclusive)
XTM 8 series	XTM 810, XTM 820, XTM 830, XTM 830-F; all revisions

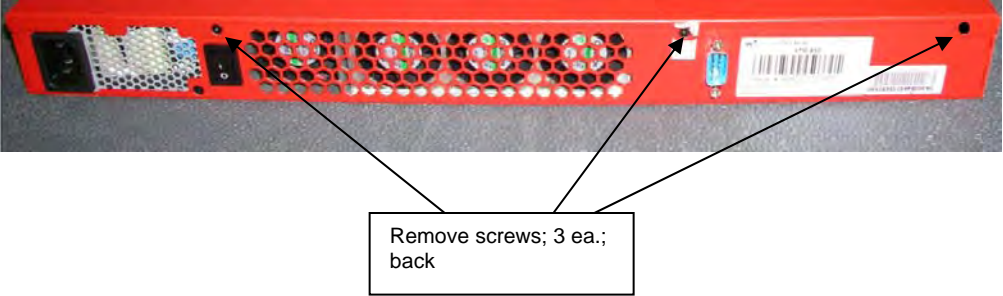

3.0 Instruction

3.1 -Remove labels

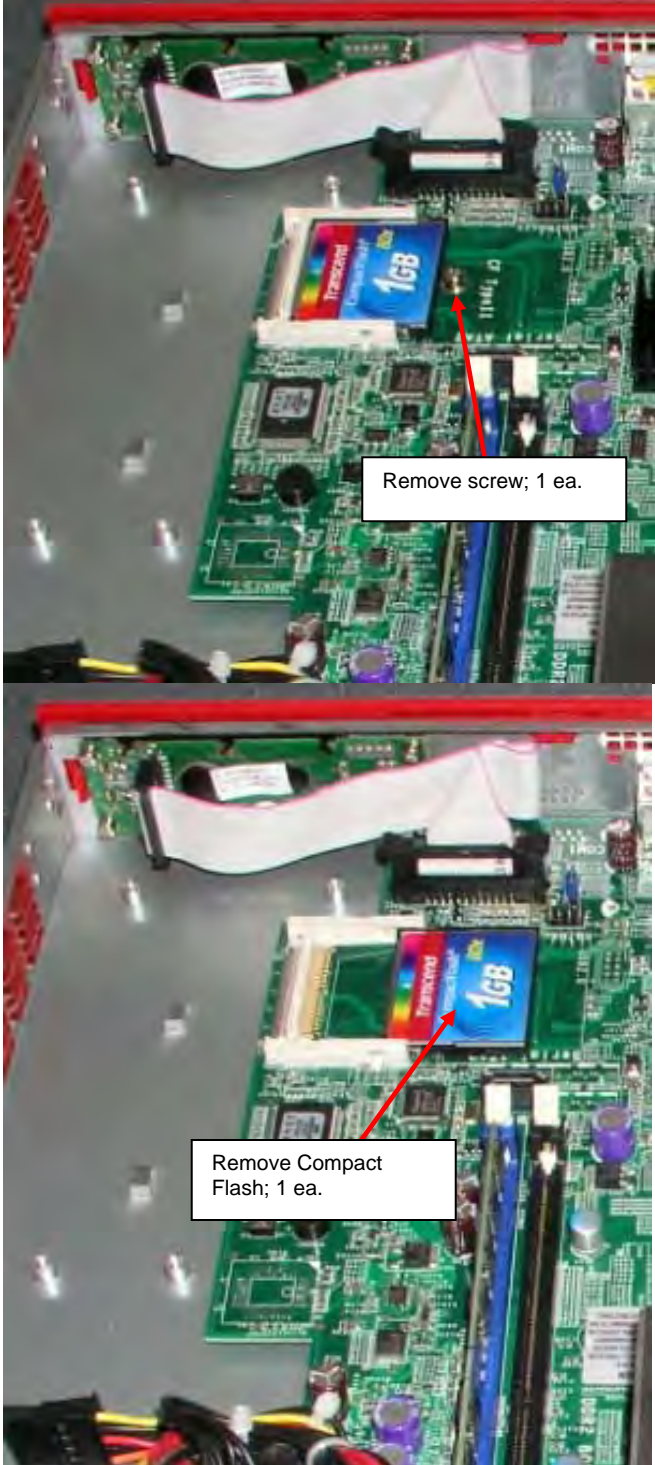
Material removed (part Desc or P/N & material type)	Instruction visual
<p><b>Labels</b>                      Cert. label:                      277-2265-105– Metalized poly-film; 1 ea.                      China RoHS label:                      277-2722-001 – Poly-film; ea.</p>	
<p><b>Labels</b>                      Input power:                      277-3184-001 - Metalized Poly-film; 1 ea.</p>	
<p><b>Labels</b>                      ODM Bar Code:                      277-3100-001 - Poly-film; 1 ea.                      Warranty Void:                      277-0230-001 – Poly-film; 1 ea.                      Product UPC/Serial:                      281-32xx-001 - Poly-film; 1 ea.</p>	

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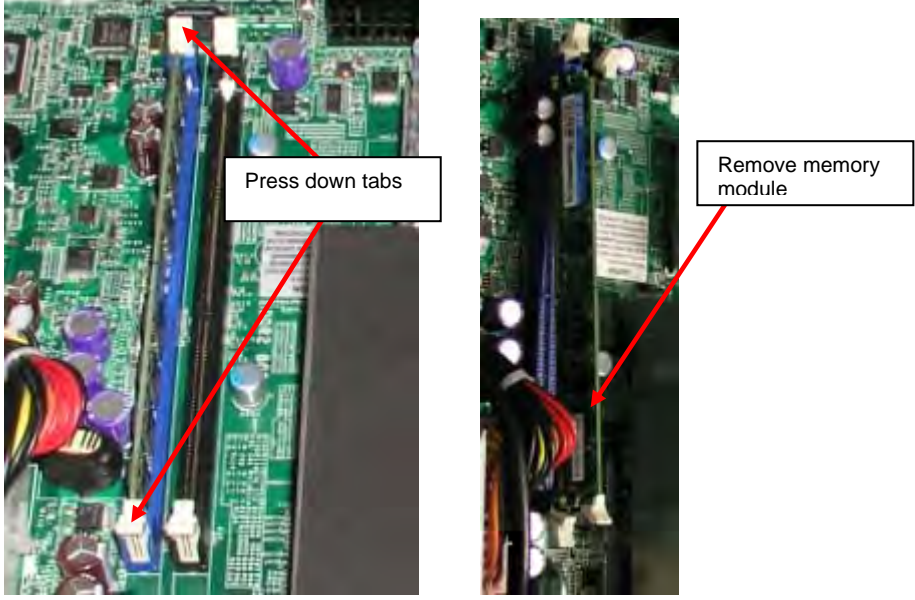
3.2 –Remove back screws holding chassis top to chassis bottom and remove top cover.

Material removed (part Desc or P/N & material type)	Instruction visual
<p><b>Screws</b> 200-4506-242 - Philips flat head; black; 3 ea.</p>	 <p>Remove screws; 3 ea.; back</p>
<p><b>Chassis Top</b> 212-3101-001- galvanized steel w/powder coat paint</p>	

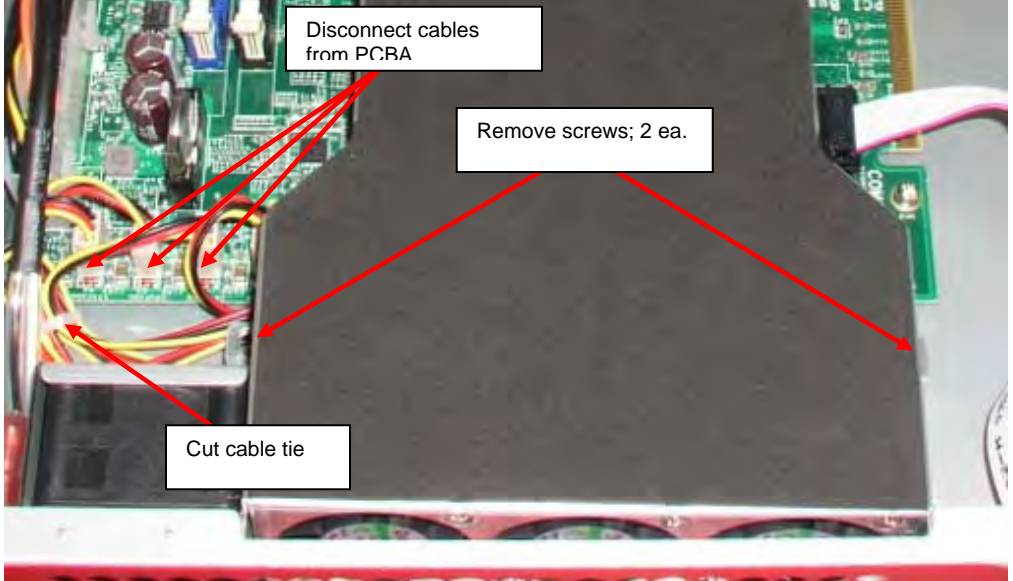
3.3 –Remove screw to the right of the compact flash and remove compact flash.

Material removed (part Desc or P/N & material type)	Instruction visual
<p><b>Screws</b> 200-3706-002 – Philips pan-head w/locking washer; Steel/zinc; 1 ea.</p> <p><b>Compact Flash</b> 121-0554-011 – 1GB Compact Flash, 1 ea.</p>	 <p>Remove screw; 1 ea.</p> <p>Remove Compact Flash; 1 ea.</p>

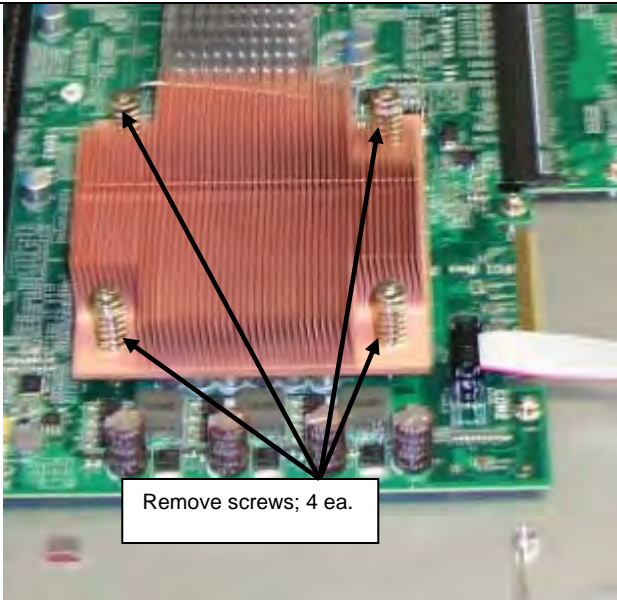
3.4 –Remove memory.

Material removed (part Desc or P/N & material type)	Instruction visual
<p><b>Memory</b> 114-3228-001 – 2G DDR2 Memory Module; 1 ea.</p>	




3.5 – Remove fan assembly.

Material removed (P/N & material type)	Instruction visual
<p><b>Screws</b> 200-7306-002 – Philips pan-head w/locking washer; Steel/zinc; 2 ea.</p> <p><b>Fan</b> 145-3036-001 – 12V DC fan; 3 ea.</p> <p><b>Fan Duct</b> 212-3145-001 – fan duct; 1 ea.</p>	

3.6 –Remove heatsink.

Material removed (P/N & material type)	Instruction visual
<p><b>Screws</b> No WatchGuard part number – Philips flat-head; Steel/zinc; 4 ea.</p> <p><b>Heatsink</b> 152-3170-001 – heatsink, 42 x 42 x 30mm, copper; 1 ea.</p>	 <p data-bbox="683 831 935 890">Remove screws; 4 ea.</p>


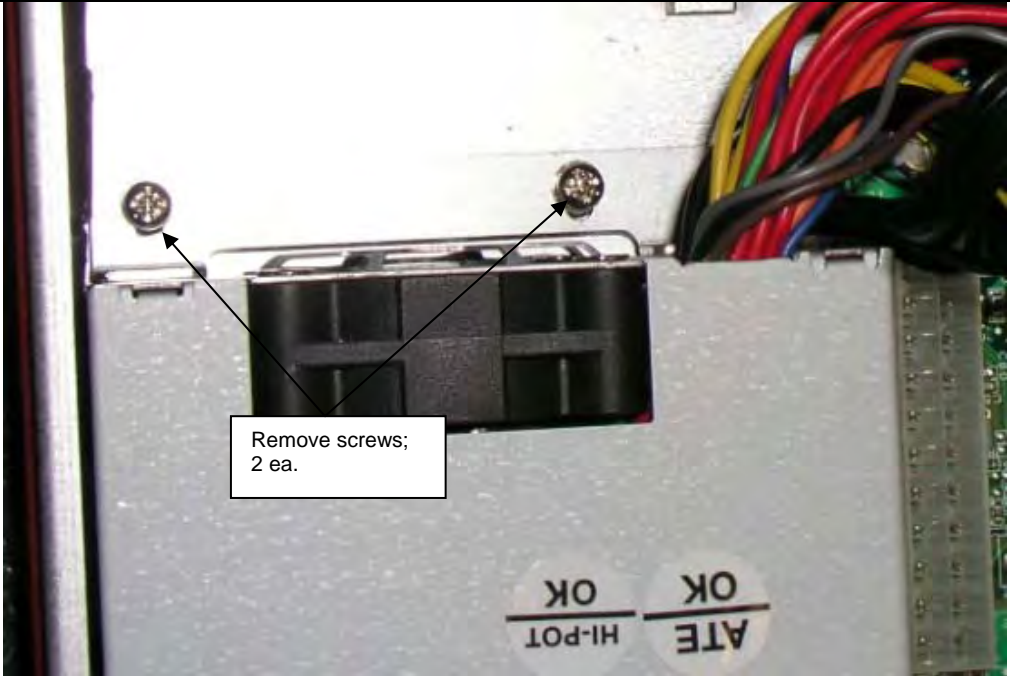
3.7 – Remove CPU

Material removed (P/N & material type)	Instruction visual
<p><b>CPU</b> 113-3240-002 – CPU, Quad-Core, Q9400; 1 ea</p>	
<p><b>CPU</b> 113-3240-002 – CPU, Quad-Core, Q9400; 1 ea</p>	 <p data-bbox="630 1079 826 1144">Unlatch lever</p> <p data-bbox="1062 1079 1258 1144">Open frame</p>
	

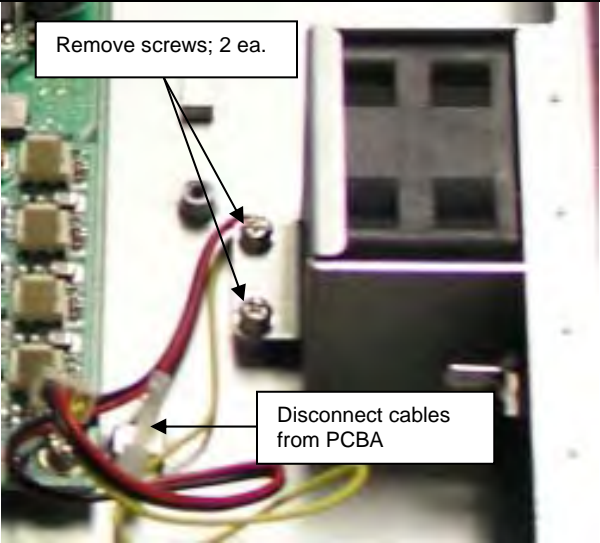
3.8 – Remove power supply

Material removed (P/N & material type)	Instruction visual
<p><b>Power Supply</b> 140-3121-001 - 270W Power supply; 1 ea.</p>	

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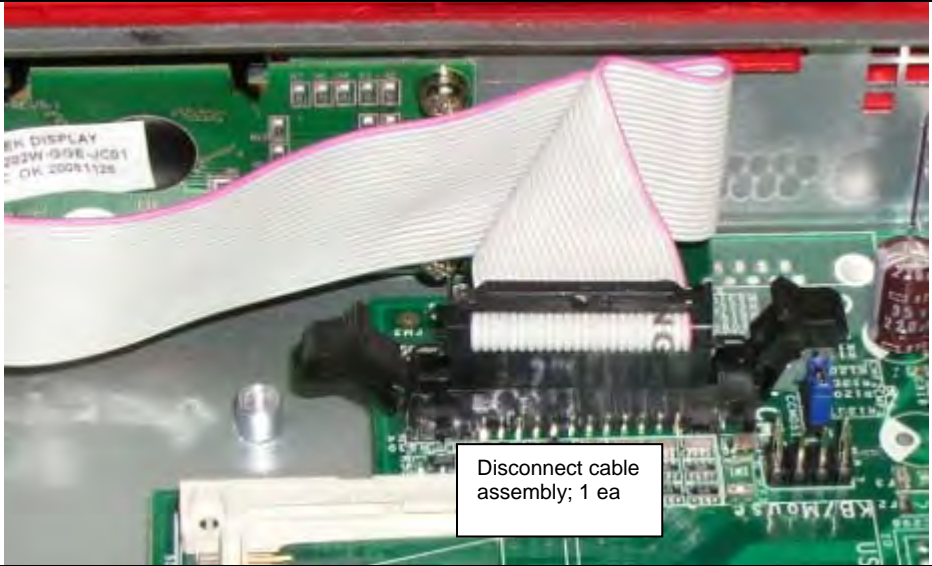

Material removed (P/N & material type)	Instruction visual
<p><b>Power Supply</b> 140-3121-001 - 270W Power supply; 1 ea.</p>	 <p>Cut cable tie</p> <p>Disconnect cables from PCBA</p>
<p><b>Screws</b> 200-7306-002 – Philips pan-head w/locking washer; Steel/zinc; 2 ea.</p> <p><b>Power Bracket</b> 212-3477-001 – power bracket; 1 ea.</p>	 <p>Remove screws; 2 ea.</p>

3.9 – Remove power switch fan and bracket.

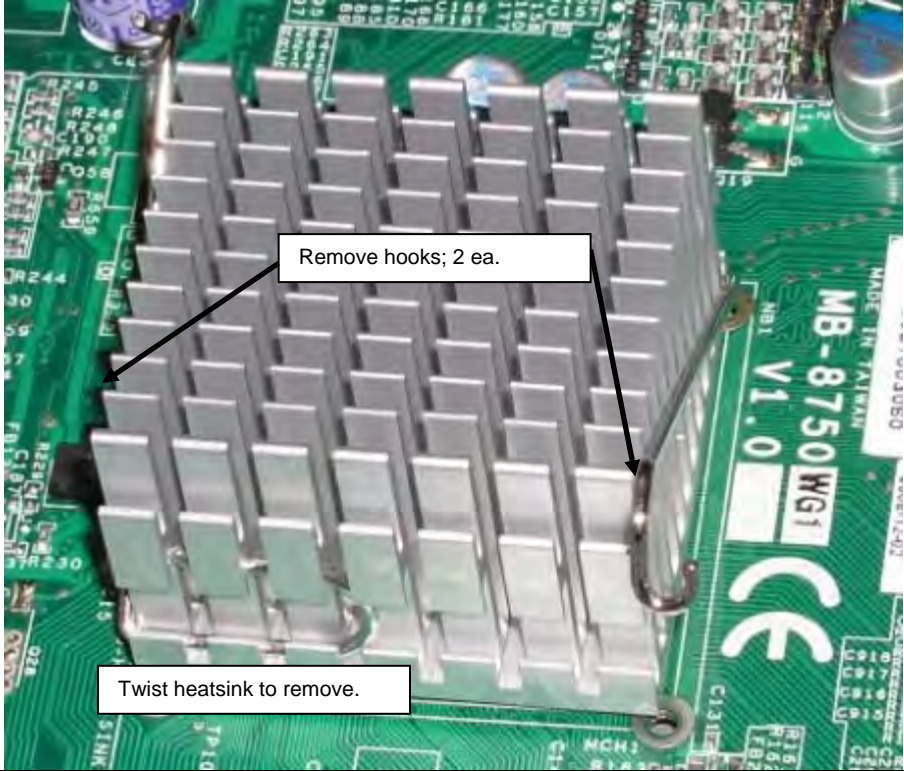
Material removed (P/N & material type)	Instruction visual
<p><b>Fan</b> 145-3036-001 – 12V DC fan; 1 ea</p> <p><b>Fan Bracket</b> 212-3476-001 – fan bracket; 1 ea.</p> <p><b>Screws</b> 200-7306-002 – Philips pan-head w/locking washer; Steel/zinc; 2 ea.</p>	 <p>Remove screws; 2 ea.</p> <p>Disconnect cables from PCBA</p>

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3.10 – Remove cables from motherboard PCBA.

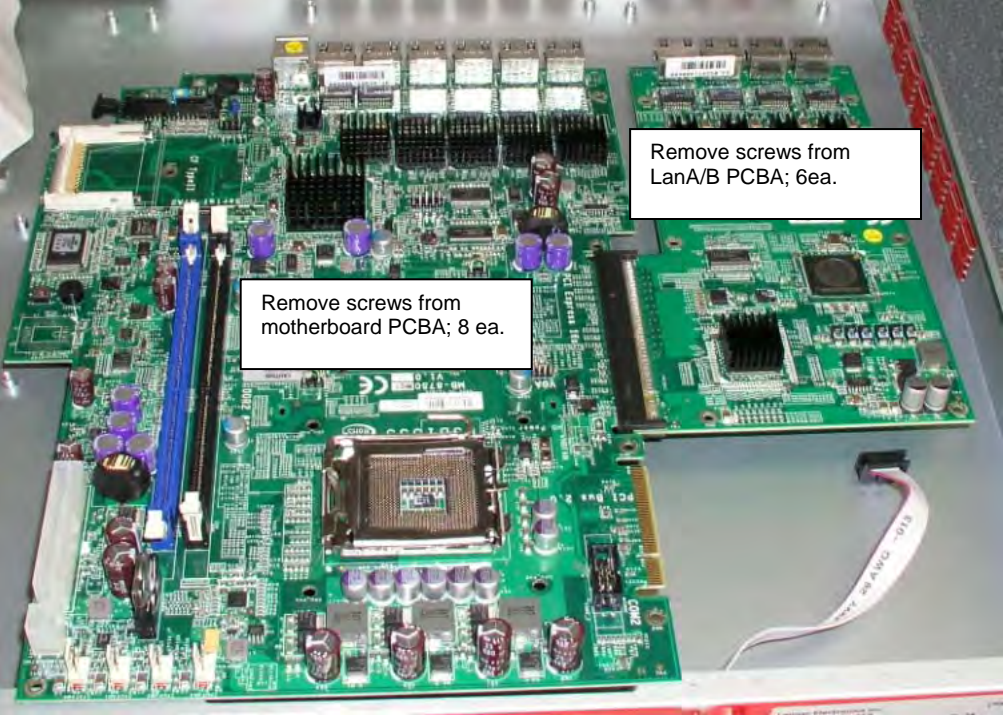

Material removed (P/N & material type)	Instruction visual
<p><b><u>Cable Assembly</u></b> 148-3481-001 – cable assembly, LCD, 24 pin to 24 pin; 1 ea.</p> <p><b><u>Main PCBA</u></b> 299-3111-001 – PCBA motherboard; 1 ea</p>	 <p>Disconnect cable assembly; 1 ea</p>
<p><b><u>Cable Assembly</u></b> 148-3482-001 – cable assembly, console; 1 ea.</p> <p><b><u>Main PCBA</u></b> 299-3111-001 – PCBA motherboard; 1 ea</p>	 <p>Disconnect cable assembly; 1 ea</p>

3.11– Remove heatsink from motherboard PCBA.

Material removed (P/N & material type)	Instruction visual
<p><b>Heatsink</b> 152-3415-001 – heatsink, 20 x 20 x 10mm, adhesive, aluminum;1 ea.</p>	

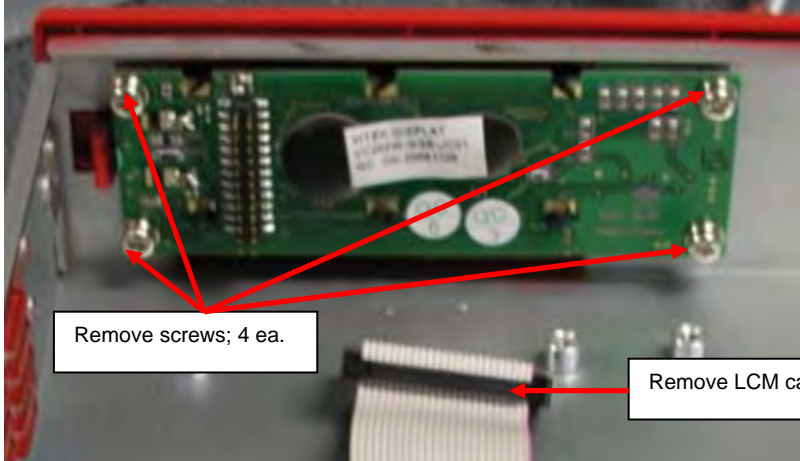
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3.12 – Remove screws from motherboard PCBA and LanA/B PCBA. Detach the boards.


Material removed (P/N & material type)	Instruction visual
<p><b>Screws</b> 200-7306-002 – Philips pan-head w/locking washer; Steel/zinc; 14 ea.</p> <p><b>Motherboard PCBA</b> 299-3111-001 – PCBA, Motherboard; 1 ea.</p> <p><b>LAN-A PCBA</b> 299-3190-001 – PCBA, LAN-A, 4 port copper; 1 ea (XTM10, XTM20, XTM30 only)</p> <p><b>LAN-B PCBA</b> 299-3192-001 – PCBA, LAN-B, 4 port fiber; 1 ea (XTM30-F only)</p>	 <p>Remove screws from LanA/B PCBA; 6ea.</p> <p>Remove screws from motherboard PCBA; 8 ea.</p>
<p><b>Motherboard PCBA</b> 299-3111-001 – PCBA, Motherboard; 1 ea.</p> <p><b>LAN-A PCBA</b> 299-3190-001 – PCBA, LAN-A, 4 port copper; 1 ea (XTM10, XTM20, XTM30 only)</p> <p><b>LAN-B PCBA</b> 299-3192-001 – PCBA, LAN-B, 4 port fiber; 1 ea (XTM30-F only)</p>	

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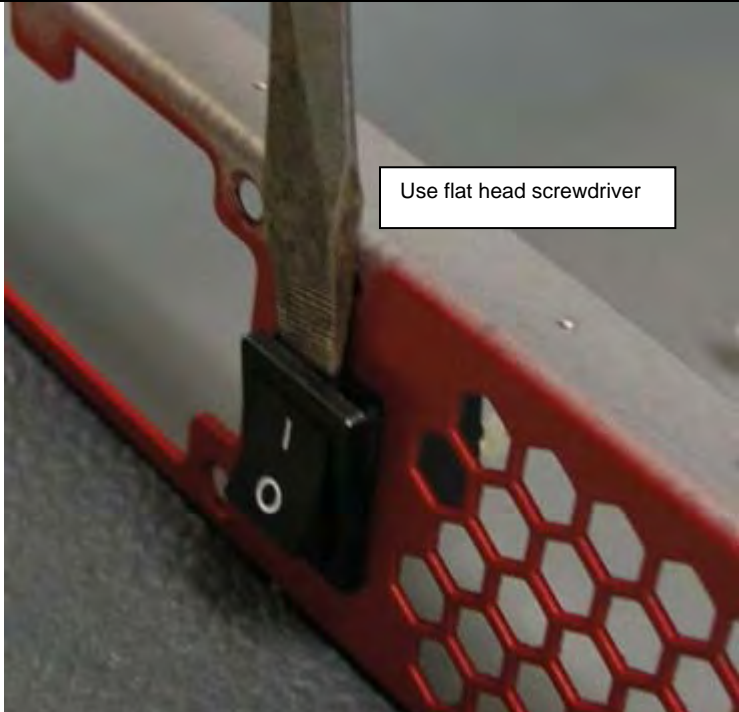
### 3.13 – Remove LCM assembly from bottom chassis.

Material removed (P/N & material type)	Instruction visual
<p><b>Screws</b> 200-7306-002 – Philips pan-head w/locking washer; Steel/zinc; 4 ea.</p> <p><b>LCD PCBA</b> 299-3115-001 – PCBA, LCM display; 1 ea.</p> <p><b>Cable Assembly</b> 148-3481-001 – cable assembly, LCD, 24 pin to 24 pin; 1 ea.</p>	 <p>Remove screws; 4 ea.</p> <p>Remove LCM cable; 1 ea.</p>

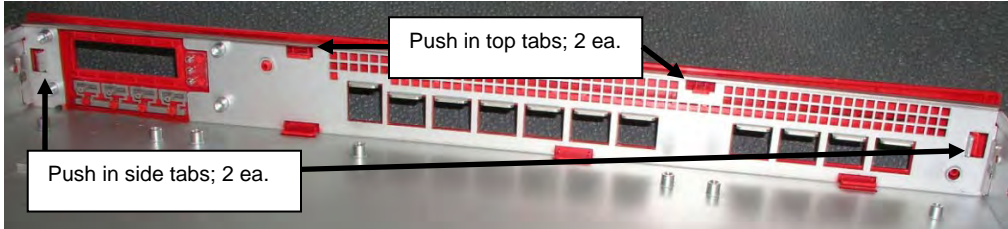
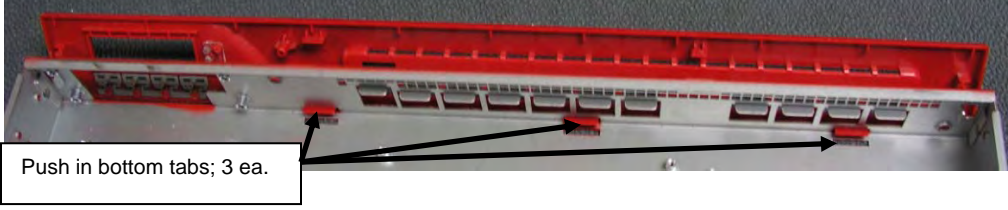
### 3.14 – Remove serial port

Material removed (P/N & material type)	Instruction visual
<p><b>Nuts</b> No WatchGuard Part Number - hex nut; 4 ea.</p> <p><b>Cable Assembly</b> 148-3482-001 – cable assembly, console; 1 ea.</p>	 <p>Remove hex nut; 2 ea.</p>

3.15 – Remove rocker switch.

Material removed (P/N & material type)	Instruction visual
<p><b>Rocker switch</b> 175-3137-001 – switch, rocker, AC power; 1 ea.</p>	

3.16 – Remove bezel assembly.

Material removed (P/N & material type)	Instruction visual
<p><b>Bezel assembly</b> 230-3100-001 – bezel assembly, red glossy, 10 port; 1 ea.</p>	
<p><b>Bezel assembly</b> 230-3100-001 – bezel assembly, red glossy, 10 port; 1 ea.</p>	

4.0 Applicable Documents

5.0 Revision History

REV. NO.	REV. DATE	REVISED SECTION	REASON	ECO#
A	4/12/10	New document	Initial Release	1744