



Firebox® X Edge e-Series De-Manufacturing Instructions

Document Number: 480-2530-001

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

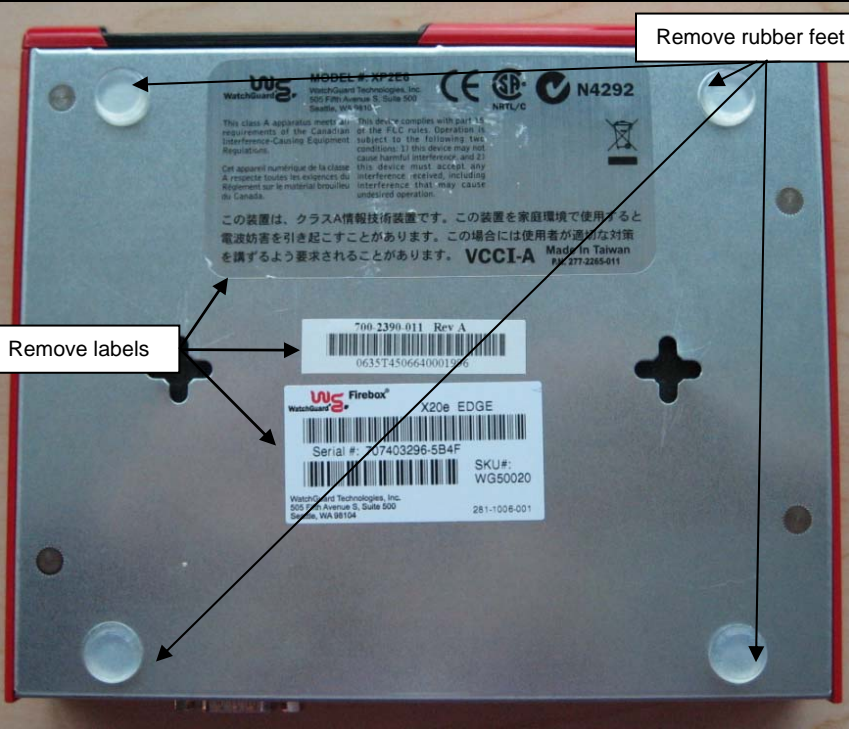
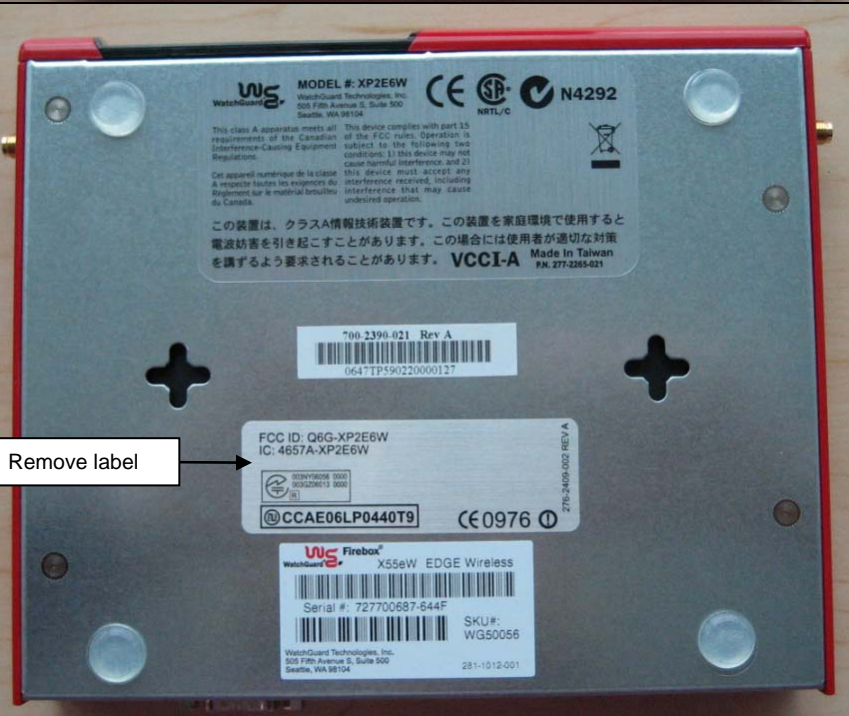
This instruction applies to the following product family and family part numbers.

Product Family Name	Family part #'s (not necessarily inclusive)
Firebox® X Edge e-Series	<ul style="list-style-type: none"><li data-bbox="873 533 1284 562">• Firebox® X10e; all revisions<li data-bbox="873 569 1284 598">• Firebox® X20e; all revisions<li data-bbox="873 604 1284 634">• Firebox® X55e; all revisions

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3.0 Instruction

3.1 -Remove labels, rubber feet and screws, and separate top from bottom

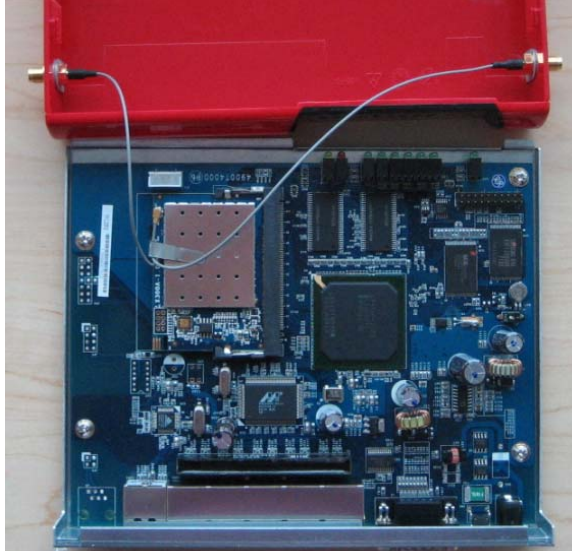
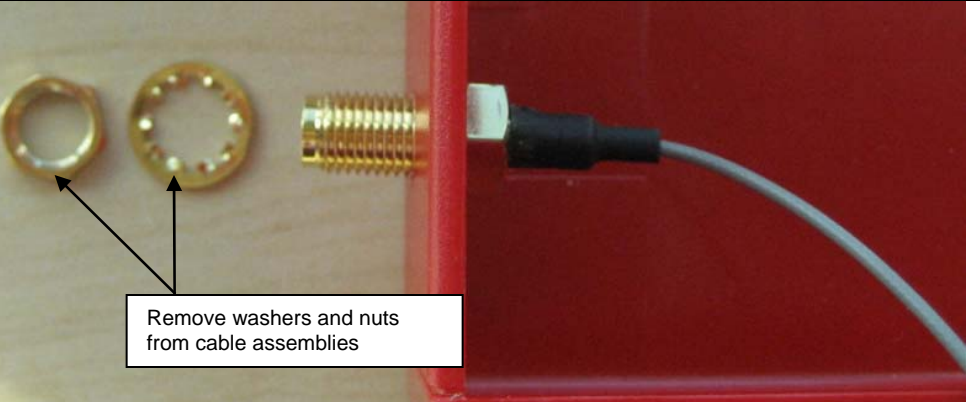
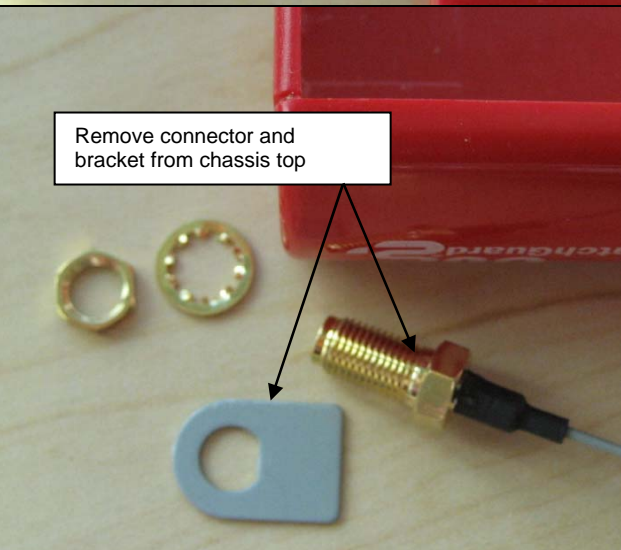
Material removed (P/N & material type)	Instruction visual
<p>Labels Cert. label: 277-2265-011 – Metalized poly-film; qty 1</p> <p>WatchGuard Serial number: 281-10XX-00X – Poly- film; qty 1</p> <p>ODM lot code: 282-2089-002 – Poly- film; qty 1</p> <p>Rubber Feet 226-1422-002 - Rubber, clear, with adhesive; qty 4</p>	 <p>The image shows the back of a WatchGuard device. A callout box labeled 'Remove labels' points to a large regulatory label at the top and a smaller product label below it. Another callout box labeled 'Remove rubber feet' points to four circular adhesive feet, one in each corner of the device's back panel.</p>
<p>Label Cert. label: 276-2409-002 – Metalized poly-film; qty 1 (Wireless units only)</p>	 <p>The image shows the back of a WatchGuard device. A callout box labeled 'Remove label' points to a regulatory label located in the center of the back panel.</p>

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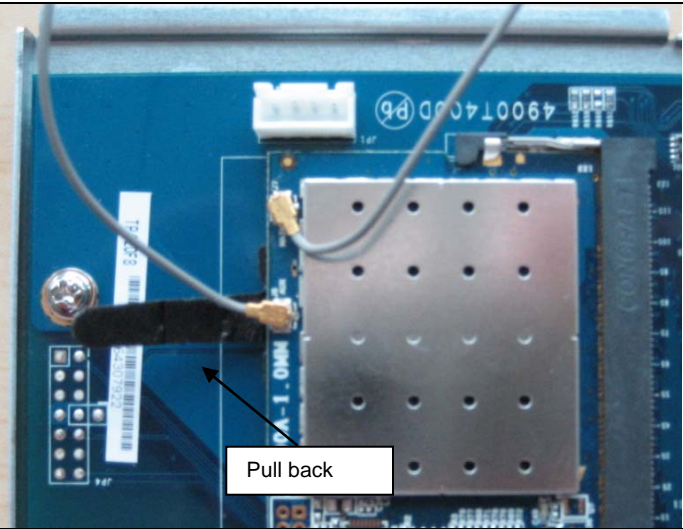
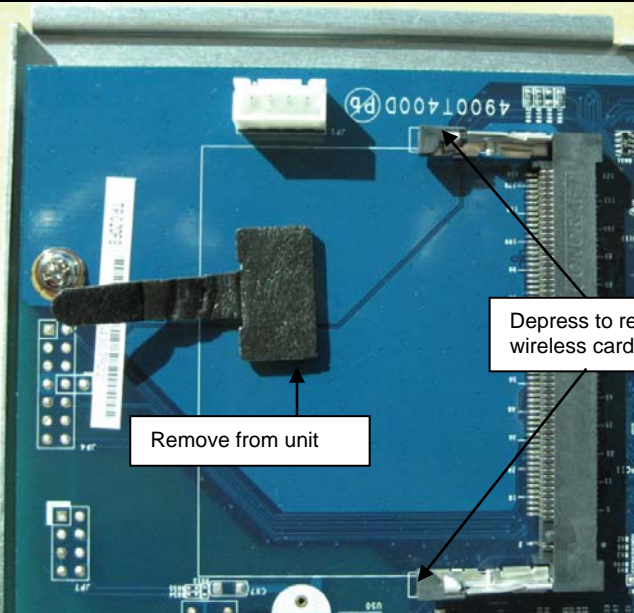
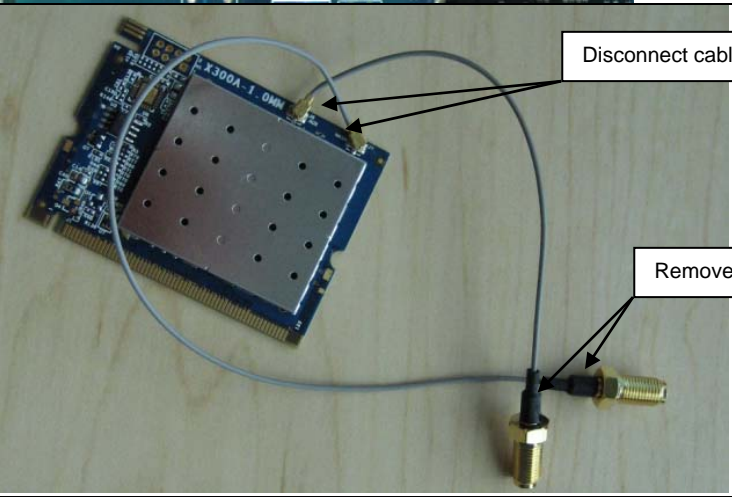
Material removed (P/N & material type)	Instruction visual
<p>Labels Void warranty label: 277-0230-001 – tamper evident label; qty 1</p> <p>Screw 209-0701-002 – Philips, pan head; qty 2 (Wired units only) 209-0701-001 – Philips flat head, self-tapping, security; qty 2 (Wireless units only)</p>	 <p>Remove label</p> <p>Remove screws (left screw is hidden under label)</p> <p>WARRANTY VOID IF REMOVED</p> <p>12VDC/1.2A Input</p> <p>WAN 2 GPT LAN0 LAN1 LAN2 Serial Reset Power</p>
<p>Chassis top assembly 212-2405-111 – Chassis top assembly, red; qty 1 (Wired units only) 212-2405-121 – Chassis top assembly, red; qty 1 (Wireless units only)</p>	 <p>Separate top from bottom</p>

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3.2 – Remove antenna posts and wireless card, Wireless units only

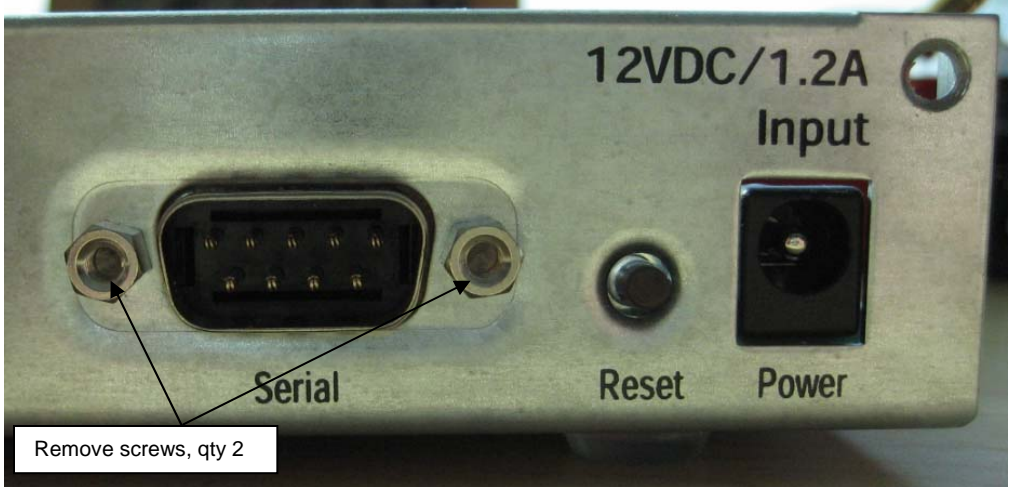
Material removed (P/N & material type)	Instruction visual
<p>Cable Assemblies 148-2391-001 – cable assembly, coax RF, 100 mm; qty 1 148-2391-002 – cable assembly, coax RF, 190 mm; qty 1</p> <p>Wireless card 299-2295-001 – PCBA wireless module; qty 1</p>	
	 <p data-bbox="690 1218 1023 1281">Remove washers and nuts from cable assemblies</p>
<p>Antenna Connector Bracket 209-1779-002 – antenna connector support bracket, metal, gray; qty 2</p>	 <p data-bbox="625 1459 950 1522">Remove connector and bracket from chassis top</p>

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Material removed (P/N & material type)	Instruction visual
<p>Board Retention Clip 209-1779-001 – board retention clip, metal, with adhesive; qty 1</p> <p>Wireless card 299-2295-001 – PCBA wireless module; qty 1</p>	 <p style="text-align: center;">Pull back</p>
<p>Board Retention Clip 209-1779-001 – board retention clip, metal, with adhesive; qty 1</p>	 <p style="text-align: center;">Remove from unit</p> <p style="text-align: right;">Depress to remove wireless card</p>
	 <p style="text-align: right;">Disconnect cables from board</p> <p style="text-align: right;">Remove heat shrink tubes</p>

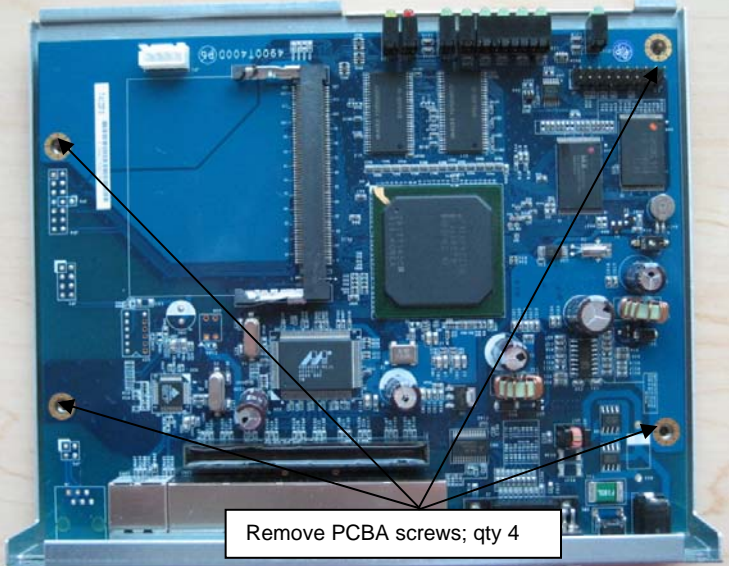
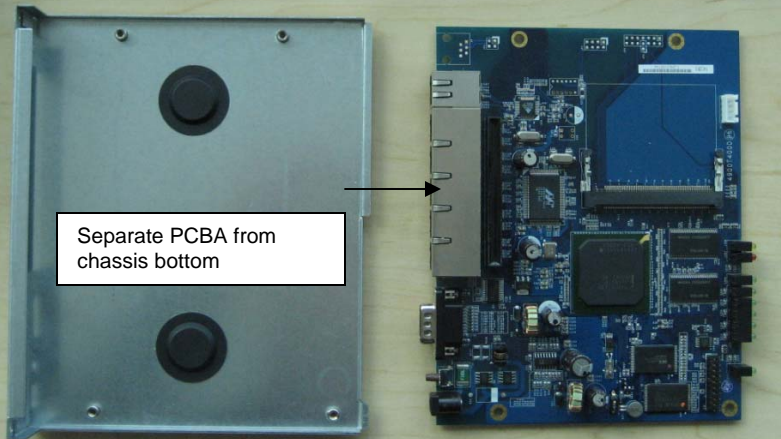
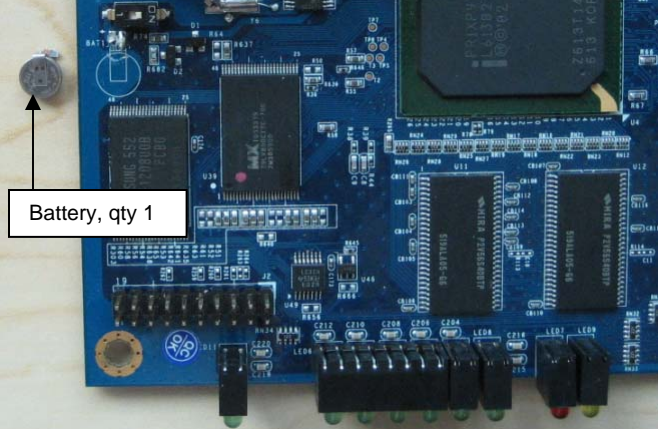
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3.3 – Remove serial connector standoffs

Material removed (P/N & material type)	Instruction visual
<p>Screw 203-0124-0021 - Screw, Jack, Hex; qty 2</p>	 <p>Remove screws, qty 2</p>

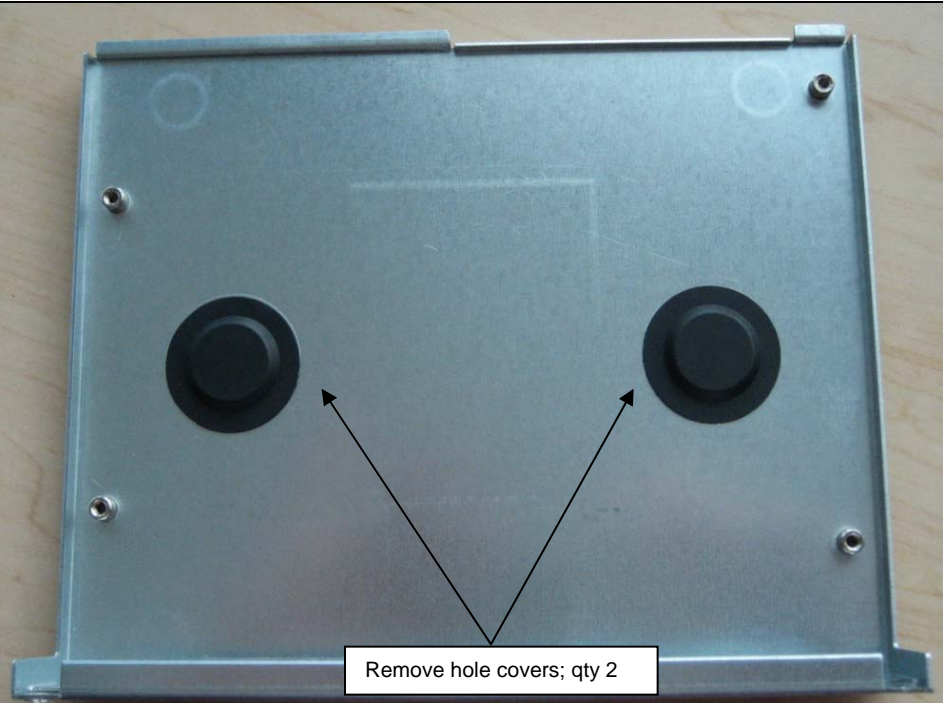
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3.4 –Remove PCBA screws and separate PCBA from chassis bottom, remove battery from PCBA

Material removed (P/N & material type)	Instruction visual
<p>Screws 203-4505-002 - Philips, Pan head, with washer, 4 ea.</p> <p>PCBA 299-2290-001– Printed Circuit Assembly</p>	 <p>Remove PCBA screws; qty 4</p>
<p>Chassis base 212-2399-001 - Chassis, base, standard; qty 1.</p>	 <p>Separate PCBA from chassis bottom</p>
<p>Battery 142-2372-001 - battery, Lithium, 3V; qty 1.</p>	 <p>Battery, qty 1</p>

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3.5 –Remove insulator shields from bottom chassis

Material removed (P/N & material type)	Instruction visual
<p>Chassis base 212-2399-001 - Chassis, base, standard; qty 1.</p> <p>Hole cover 225-1780-002– Hole cover, round, plastic, black; qty 2</p>	

4.0 Applicable Documents

5.0 Revision History

REV. NO.	REV. DATE	REVISED SECTION	REASON	ECO#
A	3/26/2007	New Document	Initial Release	1066