

P-307 Reference Section	RCDR Topic	RCDR Number
Appendix D, Item 13b	Harrington Hoist Electromagnetic Brake Disassembly	20-007

<b>QUESTION</b>
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Q1: Harrington model ER electric chain hoists utilize the “Guardian Smart Brake” which is an electromagnetic brake that is designed not to be disassembled for inspection or maintenance. The OEM provides an acceptable externally measured air gap range and maximum cycle count. Can this hoist brake be inspected in accordance with the manufacturer’s direction without the disassembly requirement of NAVFAC P-307 Appendix D Item 13b?

<b>ANSWER</b>
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A1: Harrington electric chain hoists utilizing a mechanical load brake and “The Guardian” electromagnetic brake shall be inspected in accordance with NAVFAC P-307 appendix E item 13b attributes, including disassembly to the maximum extent possible not prohibited by the manufacture. All manufacturer inspection and maintenance procedures shall be followed. (Harrington electric chain hoist models ER-3-Phase Hoist, ERCC 3-Phase Cylinder Control, ERM Three Phase Hoist/Trolleys, and ER Three Phase Large Capacity Hoists/Trolleys come standard with “The Guardian” and a Weston style mechanical load brake)