



Civil Aviation Authority  
**MANDATORY PERMIT  
DIRECTIVE**



**Number: 2021-001**

Issue date: 21 September 2021

In accordance with 41(1) of Air Navigation Order 2016 as amended the following action required by this Mandatory Permit Directive (MPD) is mandatory for applicable aircraft registered in the United Kingdom operating on a UK CAA Permit to Fly.

Type Approval Holder's Name: <b>Bell Textron Inc. (previously Bell Helicopter Textron Inc)</b>	Type/Model Designation(s): <b>HH-1K, TH-1F, TH-1L, UH-1A, UH-1B, UH-1E, UH-1F, UH-1H, UH-1L, and UH-1P helicopters</b>
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<b>Title:</b>	<b>Rotors – Inspection and Replacement of Main Rotor Hub Strap Pins</b>
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<b>Supersedure:</b>	N/A
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<b>Manufacturer:</b>	Bell Helicopter Co
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<b>Applicability:</b>	Bell HH-1K, TH-1F, TH-1L, UH-1A, UH-1B, UH-1E, UH-1F, UH-1H, UH-1L, and UH-1P helicopters, All serial numbers
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<b>Definitions:</b>	<p>For the purpose of this MPD, the following definitions apply:</p> <p><b>Affected Part:</b> Outboard main rotor hub strap pin having part number 204-012-104-005 with a S/N prefix “FNFS” as listed in Bell Textron Inc ASB’s</p> <p><b>Serviceable Part:</b> Any pin with part number 204-012-104-005 <u>NOT</u> preceded with a S/N prefix of “FNFS”</p> <p><b>The ASB:</b> Bell Textron Inc Alert Service Bulletin. Bulletin (ASB)UH-1H-21-21 7 July 2021 Bulletin (ASB)UH-1H-II-21-31 7 July 2021</p>
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<p><b>Reason:</b></p>	<p>A fatal accident occurred on a Canada Model 212 helicopter 28 June 2021. An outboard main rotor hub strap pin part number (P/N) 204-012-104-005 with a serial number (S/N) prefix “FNFS”, sheared off during flight, resulting in the main rotor blade and the main rotor head detaching from the helicopter. The pin had accumulated only 20 total hours time-in-service (TIS). An inspection of a different Model 212 helicopter revealed that another pin installed, and made by the same manufacturer with the same S/N prefix, was deformed; this pin had accumulated only 29 total hours TIS. Failure of the pin could result in the main rotor blade detaching from the aircraft and subsequent loss of control.</p> <p>Transport Canada, which is the aviation authority for Canada, issued Canadian Emergency AD CF-2021-23, dated July 5, 2021 (Transport Canada Emergency AD CF-2021-23), to correct an unsafe condition for Bell Helicopter Textron Inc., Model 204B helicopters, S/Ns 2001 through 2070 and 2196 through 2199; Model 205A-1 helicopters, S/Ns 30001 to 30065, 30067 to 30165, 30167 to 30187, 30189 to 30296, and 30298 to 30332; Model 205B helicopters, S/Ns 30066, 30166, 30188, and 30297; and Model 212 helicopters, S/Ns 30501 to 30999, 31101 to 31311, 32101 to 32142, and 35001 to 35103.</p> <p>The FAA also issued Emergency AD 2021-15-51 on July 6, 2021 for Bell Textron Inc. Model 204B, 205A, 205A-1, 205B, and 212 helicopters.</p> <p>Bell Textron Inc also released Alert Service Bulletin (ASB) UH-1H-21-21 and ASB UH-1H-II-21-31 July 7, 2021. This ASB specifies removing all P/N 204-012-104-005 pins with an S/N prefix “FNFS” before next flight. These ASBs state that these pins may not have been manufactured in accordance with the engineering design requirements and may therefore shear as a result of this non conformance.</p>
<p><b>Effective Date:</b></p>	<p>21 September 2021</p>
<p><b>Compliance/Action:</b></p>	<p><b>Required Action(s) and Compliance Time(s):</b></p> <p>Required as indicated, unless accomplished previously:</p> <ol style="list-style-type: none"> <li>1. Before further flight from the effective date of this MPD, inspect the main rotor outboard strap pins,</li> <li>2. <u>Remove</u> from service any <b>Affected Part</b> as listed in the ASB’s, Section 3 above,</li> <li>3. <u>Replace</u> any affected part with a <b>Serviceable Part</b> (i.e. that does not have “FNFS” as the serial number prefix) in accordance with the accomplishment instructions with the ASB,</li> <li>4. From the effective date of this MPD, do not install an <b>Affected Part</b> on any helicopter.</li> </ol>

**ENSURE COMPLIANCE WITH THIS MPD IS RECORDED IN THE AIRCRAFT LOGBOOK**

<b>Reference Publications:</b>	Alert Service Bulletin (ASB) UH-1H-21-21 and ASB UH-1H-II-21-31 July 7, 2021
<b>Remarks:</b>	<ol style="list-style-type: none"><li>1. This MPD was not posted for consultation because of the urgency of the requirement.</li><li>2. Enquiries regarding this Mandatory Permit Directive should be referred to: <a href="mailto:ga.ga@caa.co.uk">ga.ga@caa.co.uk</a></li></ol>