

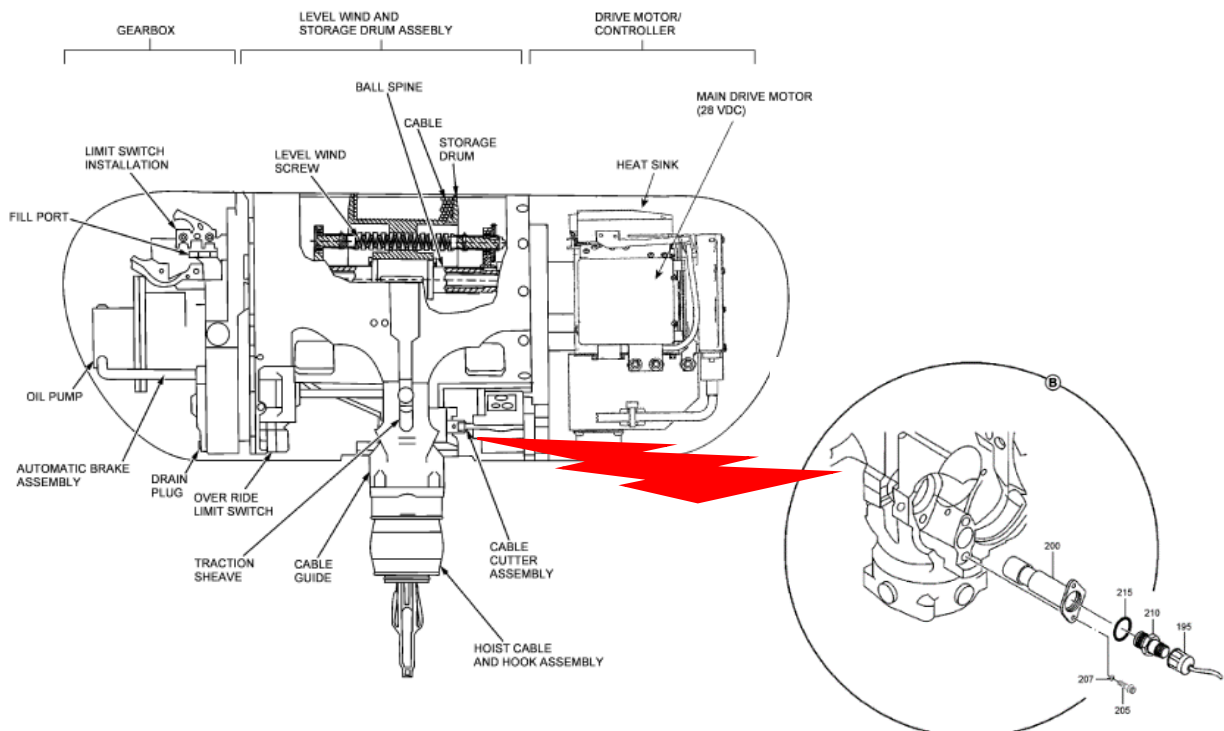
<b>ENGINEERING NOTICE</b>			
<b>TO</b>	All AMO Personnel	<b>ISSUE NO</b>	GAM/EN/02/22
<b>COMPLIANCE</b>	Immediate Effect	<b>ISSUE DATE</b>	16 <sup>th</sup> June 2022
<b>SUBJECT</b>	Single Hoist Cartridge S/N: 12554 Self Activated		

## Background

An incident was reported in Agensi Penguatkuasaan Maritim Malaysia (APMM) AW139 Helicopter Registration No: **M72-01 S/N:31307**. On 30<sup>th</sup> May 2022 the Engineering team had carried out Cartridge replacement which will be due for DT25-06 task. Upon completion of installation, an operational test on Squib circuit task was carried out in accordance with **IETP 40<sup>th</sup> Issue 2021-12-10 Updated 2022-03-07, AMP 39-A-25-96-00-00A-320D-K** procedures. During the test, the **SQ1 & SQ2** green lights found not illuminated when the Hoist Cut guard on Pilot Collective was lifted. This test doesn't correspond to step 15 which require the **SQ1 & SQ2** green lights remain illuminated.

On 31<sup>st</sup> May 2022 the Engineering team continued the Squib Circuit Operation test task and found the Cartridge **self-activated** when Hoist Cut guard on Pilot Collective was lifted while the **TEST** button on Hoist Operator Panel was pressed, causing the Hoist cable cutter operated and cut the hoist cable.

The root cause of this incident is still under investigation and the Engineering team had seek Leonardo Helicopters advise for the next cause of action.



**Figure 1 – Rescue Host Assembly**



**Picture 1 – Activated Cartridge Assembly**

### **Introduction**

This Engineering Notice is issued with several corrective measures being introduced for implementation to prevent recurrence of similar incidents in the future and to create awareness among the engineering team.

### **Applicability**

1. This Engineering Notice is applicable to all fleets under the Galaxy Aerospace (M) Sdn. Bhd AMO, including all bases under GAM's AMO.
2. Installation and test involve squib and explosive material installed to Rescue Hoist, Floats, Underslung and Fire bottles.

### **Compliance**

1. EIC/SMM/MM to conduct briefing on this Engineering Notice to all his Engineering team and record the attendance.
2. Installation and Test involves squib and explosive material must be carried out by two (2) type rated B2 LAE or MI/S Avionics.
3. LAE/ MI/S performing the task shall take lead to conduct a Safety briefing to all Engineering team involve in the task before performing the test.
4. LAE/ MI/S performing the task shall be responsible for the task carried out and 2<sup>nd</sup> LAE/ MI/S will act as an oversight.

5. Prior to performing actual arming or push to test the system, both LAE/ MI/S must be satisfied that all steps stipulated in the AMP are correctly performed.

This Engineering Notice shall be in force with immediate effect.

  
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Syafrul Yamani Safruddin  
Engineering Manager