



Northern Avionics
 v.le dell'Aviazione, 65
 20138 – Milano
 PART-145 App. IT.145.0004
 PART-21G App. IT.21G.0041
 PART-21J App. EASA.21J.223

MOD DESCRIPTION BROCHURE

Ref. DOC. NAV0515

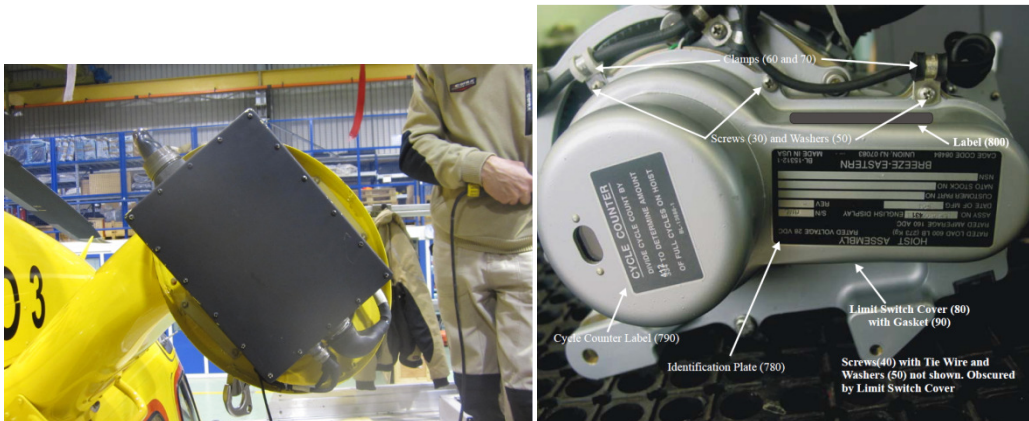
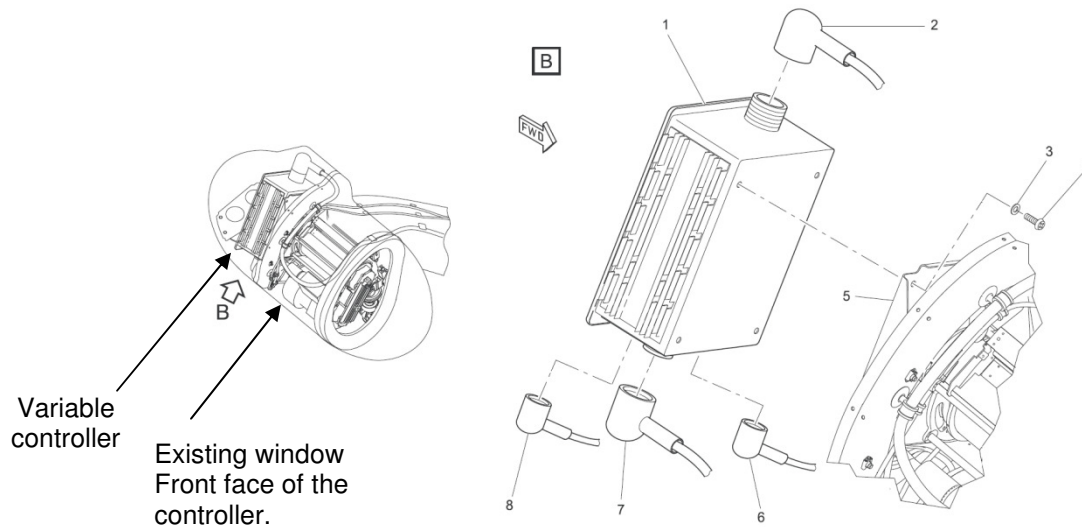
Rev.0

PROJECT No. 01525NAV0515 Secondary cycle counter for Breeze Eastern hoist on AB139/AW139 Helicopter

PROJECT TYPE		APPLICABILITY: AGUSTAWESTLAND S.p.A. AB139 / AW139 TCDS No. EASA.R.006 Helicopter with hoist kit P/N:
STC	<input checked="" type="checkbox"/> Minor Change <input type="checkbox"/>	
		<ul style="list-style-type: none"> • 3G2591F00111, or • 3G2591F00112, or • 3G2591F00113

On AW139 that install the Breeze Eastern hoist, the Air Vehicle Maintenance Planning introduces life limits to the hoist based on its cycles as part of the airworthiness limitation (chp.4) and overhaul time limits (chp.5). As such, operators are in need to periodically check the hoist cycle counter to verify and record the hoist cycles.

On the applicable hoist systems, the cycle counter is visible only after extensive dismantle of the hoist aft fairing and removal of the variable speed controller (see Fig.1) which takes not less than 1 - 1,5 MH.





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Northern Avionics developed a solution which replays the readings of the primary counter on a Secondary Cycle Counter (SCC) (see fig.2) installed on the aft frame of the hoist assy. The SCC is oriented in order to be visible from the ground: thus nullifying the m/h required to get access to the counter readings and avoiding periodic dismantle of the speed controller.

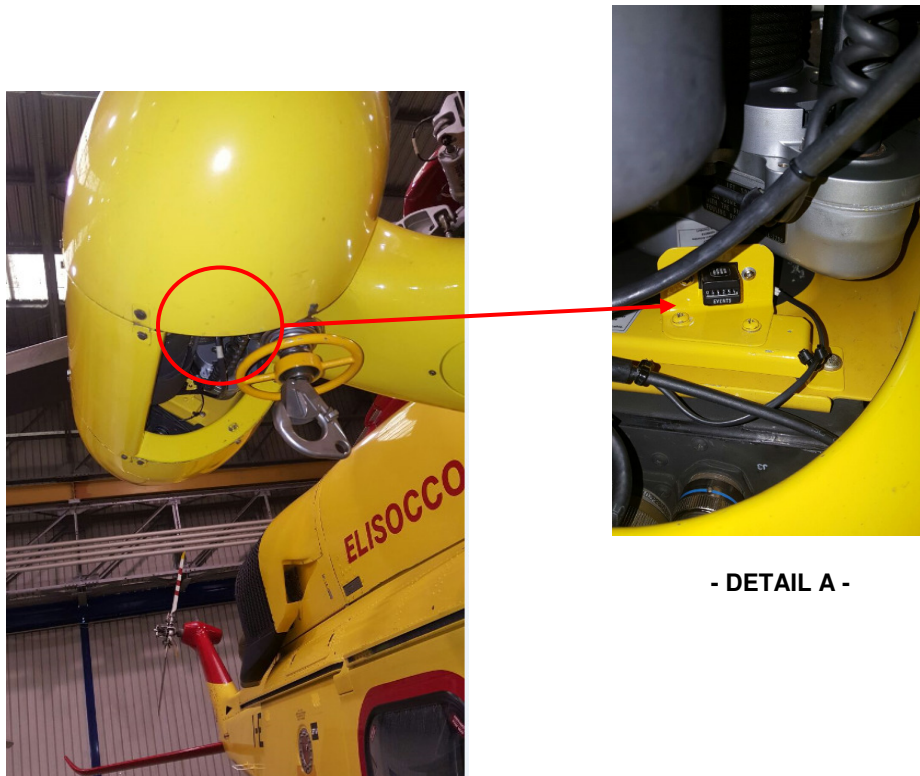


Figure 2 - Access and position of the Secondary Cycle Counter

The solution was already certified by EASA through STC 10055515 and it has been immediately adopted by an important international helicopters operator.

The installation can be performed in approximately 1 day with the hoist installed.

For more information you can contact:

NORTHERN AVIONICS s.r.l.
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SUPPLEMENTAL TYPE CERTIFICATE

1005515

This Supplemental Type Certificate is issued by EASA, acting in accordance with Regulation (EC) No. 216/2008 on behalf of the European Community, its Member States and of the European third countries that participate in the activities of EASA under Article 66 of that Regulation and in accordance with Commission Regulation (EU) No. 748/2012 to:

NORTHERN AVIONICS S.R.L.

VIALE DELL' AVIAZIONE 65
20138 MILANO
ITALY

and certifies that the change in the type design for the product listed below with the limitations and conditions specified meets the applicable Type Certification Basis and environmental protection requirements when operated within the conditions and limitations specified below:

Original Type Certificate Number: EASA.R.006

Type Certificate Holder: AGUSTAWESTLAND S.p.A.

Type: AB139/AW139

Model: AB139, AW139

Description of Design Change:

Secondary Cycle counter for Breeze Eastern hoist

EASA Certification Basis:

The Certification Basis (CB) for the original product remains applicable to this certificate/ approval. The requirements for environmental protection and the associated certified noise and/ or emissions levels of the original product are unchanged and remain applicable to this certificate/ approval.

Associated Technical Documentation:

Chapt. 4 ALS included in Rep. ICA-NAV0515, Rev. 0, dated 9.10.2015 or later revisions of the above listed

See Continuation Sheet(s)

For the European Aviation Safety Agency

Date of Issue: 17 November 2015


Massimo MAZZOLETTI
Head of Rotorcraft Department

10039670
SUPPLEMENTAL TYPE CERTIFICATE - 1005515 - NORTHERN AVIONICS S.R.L. - 302913

