Civil Aviation Authority

PROPOSED AIRWORTHINESS DIRECTIVE

Number: 1979
Issue date: 01 June 2021

In accordance with CAA continuing airworthiness procedures, the issuance of an Airworthiness Directive (AD) is proposed which will be applicable to the aeronautical product(s) identified below. **All interested persons may send their comments, referencing the PAD Number above, to the e-mail address specified in the 'Remarks' section, prior to the consultation date indicated.**	
Design Approval Holder's Name: **BAE SYSTEMS (OPERATIONS) LTD**	Type/Model Designation(s): **BAe ATP**
TCDS:	EASA.A.192, Issue 2, 15 January 2015
Supersedure:	None
ATA: 76	**Engine Controls – Power Control – Engine Power Control Cables - Replacement**
Manufacturer(s):	BAe Systems (Operations) Ltd
Applicability:	Models BAe ATP aeroplanes, all manufacturer serial numbers (MSN).
Definitions:	For the purpose of this AD, the following definitions apply: • **Affected part:** engine power control-cable assemblies, having Part Number JD760J0020-020, JD760J0020-024 or JD760J0020-026. • **AMM**: Aircraft Maintenance Manual • **The SB**: unless otherwise specified, refers to Service Bulletin ATP-76-023 – Engine Controls – Introduction of replacement ATP Engine Power Control-cable with outer sleeving and rubber end gaiters. Revision 02, dated 06 July 2020.
Reason:	BAe ATP operators have reported a number of events where a single engine power control lever was found to be stiff or jammed. These events occurred both in-flight and on the ground during cold temperatures. If the power cables of both engines were to freeze, or one power cable was to freeze in combination with a malfunction of the other engine, the crew would not be able to control engine power and, therefore, aircraft controllability could be affected. The investigation determined this condition was caused by the ingress of moisture into the power control "Flexball" cable, which can then freeze, affecting the associated power control lever. This condition, if not prevented, could lead to partial or total loss of aircraft control. To address this potential unsafe condition, BAe Systems (Operations) Ltd published the SB providing instructions for the installation of replacement engine power control-cables.

Effective Date:	**(TBD upon issue of final AD)**
Required Action(s) and Compliance Time(s):	**Corrective Action(s)** A replacement cable is introduced by the SB, which features cable sleeving along the length of the cable and end gaiters that provide a watertight barrier around the felt ends seals. These improvements to the part will prevent moisture ingress and thus prevent the freezing of the control cable's internal moving parts. New part number JD760J0020-030 has been assigned to the improved part, which will supersede all previous design standards. Note: The new cable has a manufacturer's life limit of 6000 flight hours. A new entry is being created in Chapter 05 of the AMM to include a life limit of 6000 flight hours for the new part number JD760J0020-030. **Replacement** The SB is written in two parts in order to allow the operator to embody one engine control-cable at a time. Part A replaces the left-hand engine power control cable and Part B the right-hand engine. Required as indicated, unless accomplished previously: Part A – replace the affected part on the left-hand engine with a new or refurbished part no later than the 30 September 2021. Part B – replace the affected part on the right-hand engine with a new or refurbished part no later than the 30 September 2021.
Reference Publications:	• BAe ATP Aircraft Maintenance Manual, Chapters 76-10-11, 76-11-00, 76-13-00 • BAe ATP Aircraft Illustrated Parts Catalogue, Chapters 76-10-00 • BAe Systems (Operations) Ltd Service Bulletin ATP-76-023 – Engine Controls – Introduction of replacement ATP Engine Power Control-cable with outer sleeving and rubber end gaiters, Revision 02, dated 06 July 2020.
Remarks:	1. This PAD will be closed for consultation on 30 June 2021. 2. Enquiries regarding this PAD should be referred to: Continued.Airworthiness@caa.co.uk