

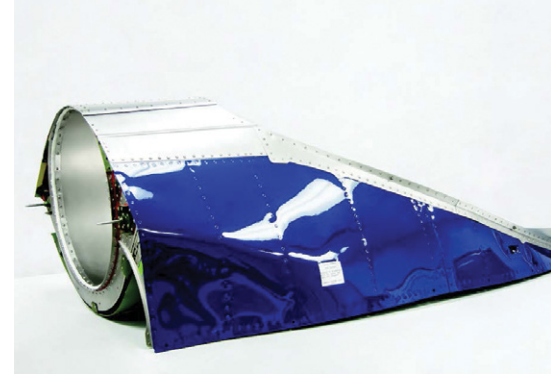
A23831-103

Improved exhaust shroud

Longer life, less maintenance – Rockwell Collins has designed a modification to the shroud assembly which, in combination with portions of DHC mod 8/1664 and production-line only mod 8/2062, addresses thermally induced buckling and the associated cracking.

Operators have experienced problems with thermally induced distortion, buckling and eventual cracking of portions of the exhaust shroud. These problems have often required maintenance activities prior to completion of the normal “C” check interval. Other problems observed include formation of cracks in the supporting side angles and frame assemblies that may also chafe the underlying structure.

These problems have been found to be related to thermal stress and thermal fatigue, which may be amplified when lengthy periods of ground idling are an operational factor. Rockwell Collins’ proven exhaust shroud replacement addresses these issues, and offers operators the option of sending removed exhaust shroud assemblies to its facility, in Winnipeg, for modification and repair or delivery of a kit.



SPECIFICATIONS

Applicability	Manpower	Kit contents	Weight	Certification	Delivery
All DHC-8-100/-200/-300	Approximately 80 man-hours; fast turn times have resulted from an extensive use of support fixtures and a large inventory of mod and repair parts	<ul style="list-style-type: none"> > Forward shroud > Aft shroud > Nacelle skin panels (LH & RH) > Structural angles, channels, straps, etc. > Drawings and documents 	Weight change negligible	<ul style="list-style-type: none"> > Transport Canada: SA95-67 > FAA: ST00389NY > EASA: EASA.IM.A.S.02326 > Japan: STC-5-HQT > Egypt: Letter of acceptance > Angola: Letter of acceptance > Spain: 267-S > Austria: FL428-1/117-97 	F.O.B. Winnipeg, Canada

FEATURES & BENEFITS

- > Significant reduction in maintenance
- > Prolonged life of exhaust shroud
- > Modified exhaust shrouds have withstood over 10,000 hours in service with no unscheduled maintenance, minor repairs, and without removal from aircraft

Building trust every day.

Rockwell Collins delivers innovative aviation and high-integrity solutions that transform commercial and government customers’ futures worldwide. Backed by a global network of service and support, we are deeply committed to putting our solutions to work for you, whenever and wherever you need us. In this way, working together, we build trust. Every day.

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