

D12431-1/D12432-1

Improved fingernail joint seal

Reduce exhaust gas leakage – Rockwell Collins’ improved fingernail joint seal reduces exhaust gas leakage into fire zones 3 and 4 via a redesigned seal at the interface between the nacelle closing structure and fingernail assembly and an exhaust shroud extension incorporating a double seal. The exhaust shroud telescopes into the fingernail assembly, providing a heat shield to protect the forward section and reduce buckling. Rockwell Collins’ modification kit includes a new, redesigned forward fingernail section.



SPECIFICATIONS

Applicability	Manpower	Kit contents	Weight	Certification	Delivery
DHC-8-100/-200/-300	Part A: done at Rockwell Collins’ Winnipeg facility (STC SA95-67) Part B: Approximately 8 man-hours	Part A: <ul style="list-style-type: none"> > Fingernail forward shroud > Retainer (2) Part B: <ul style="list-style-type: none"> > Exhaust shroud extension > Seal assembly 	Approximate increase of 1 lb. per nacelle	<ul style="list-style-type: none"> > Transport Canada: SA02-5 > FAA: ST01484NY 	F.O.B. Winnipeg, Canada

FEATURES & BENEFITS

- > Reduces exhaust gas leakage underneath fingernail (fire zone 4)
- > Reduces exhaust gas leakage into main landing gear bay (fire zone 3)
- > Reduces buckling of the fingernail tunnel and side skins

MODIFICATIONS

- > Removal of a seal and retainer from the aft face of the nacelle closing structure
- > Removal of a high temperature seal and straps from the fingernail assembly
- > Removal of the forward section of the fingernail assembly – these are replaced with a redesigned seal at the interface between the nacelle closing structure and the fingernail assembly

KIT OPTIONS

- > D12431-1 Installation kit, Part A
- > D12432-1 Installation kit, Part B

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