

Grant Robinson

From: Mcconnell, DAVE P <dave.p.mcconnell@lmco.com>
Sent: Tuesday, April 10, 2018 6:30 AM
To: Grant Robinson
Cc: Daryl Dixon; Thomas Jacobson; Yvon Collin; Mrazik, Philip
Subject: APU Tube Fitting Swage Procedure - Designed Metal Connections Third Party Proprietary Information
Attachments: 92ata20-PermaLite Presentation 6.00 Swaging Kit.ppt
Importance: High

(Designed Metal Connections) Third Party Proprietary Information

Information in which an individual or entity other than Lockheed Martin has a proprietary right or interest, and that may be subject to restrictions on further disclosure even to other Lockheed Martin employees. Refer to CRX-015D for more information.

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Message Start:

[Grant](#)

[Following is the CSE response concerning swaging of the APU starter return tube fittings.](#)

Case Number: C0092008
Customer: Thai Aviation Services Limited
Aircraft S/N: 920146
Aircraft Model: S-92A
Aircraft TT: 6,125
ATA: 20
Part Number: 92650-02101-149
Case Subject: APU Starter Return Tube-End Fitting Install-Request For Procedure

Problem Description:

Reference

- 1) Attached JPEG image
- 2) Dwg 92650-02101
- 3) Dwg 92650-04100
- 4) AMM CH 49-41-02
- 5) AMM CH 49-41-06

A/C S/N 920279 was AOG for eight days awaiting a replacement P/N 92650-02101-149 APU starter return tube.

When the tube arrived on site it was found to be the bare tube only, without either of the P/N 92650-00820-105 forty five degree fittings installed.

Reference to Dwg 92650-02101 appears to confirm that the -149 is in fact a bare tube only.

Reference to NHA Dwg 92303-04100 shows the -149 tube with -105 end fittings installed but does not call out

an assembly P/N.

TAS note that the tube is called out in AMM CH 49-41-02 Figure 401, Item 70, and the end fittings are called out separately in CH 49-41-06 Figure 401 Item 30.

There is no assembly P/N in the AMM associated with the tube and end fittings, and there is no procedure in the AMM to permit field installation of the end fittings.

AMM Task 20-09-00-300-001 address hydraulic tube swage installation but does not cover end fitting installation.

TAS request the following on an AOG basis

1) Field procedures to swage the P/N 92650-00820-105 forty five degree end fittings onto tube P/N 92650-02101-149.

2) Please advise the P/N of the assembled tube and end fittings.
EoM

This email notification is provided as the case has been reviewed and does not contain technical data in the issue description.

Problem Resolution:

1) Installation of the fittings will be per the instructions contained within the DAT02AEFKT4009 Hydraulic Tube Repair Kit in conjunction with SA S92A-AMM-000 Task 20-09-00-300-001 and 49-41-06-900-002.

Although not covered in Chapter 20, installation is the same for all Deutsch fittings. A PermaLite installation presentation is attached. This presentation will greatly assist with installation.

2) There is no higher assembly of the 92650-02101-148/149 tubes that will contain the 92650-00820-105 end fittings. The tube end fittings are to be swaged in situ.

This email notification is provided as the case has been reviewed and does not contain technical data in the resolution.

David P. McConnell

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