

Field Technical Report

**** Distribute on a Need to Know Basis Only ****

United Technologies Sikorsky Aircraft

FTR Number 10614T062 **Location** Nakhon Si Thammarat, Thailand **Date** 3/17/2014

Action Info 1 **FSR** McConnell **Urgency** Routine **Required** 4/16/2014

Operator Info THAI

Model S-92A **Aircraft S/N** **MAL** **TT**

Subject APU ESU Connector Remove/Install Tools

P/N 92550-03029-011 **S/N**

TSN/TSR **PicFix** 1

Cost Avoid

NCC **DRC**

Ref Docs 1) Attached JPEG image
2) CRM Log ID 27114 DTD 18 DEC 2007
3) AMM Task 49-11-04-900-001/-002

Problem Description

AMM Tasks 49-11-04-900-001 and -002 address removal and installation of the APU Electronic Sequencing Unit (ESU).

Paragraph 1.A. Step (3) of the Removal Task and Paragraph 2.A. Step (5) of the Installation Task instruct the maintainer to remove and install electrical connectors P326 to J2 and P327 to J1. No Further guidance is given.

The list of Support Equipment Required for each Task lists a P/N 282-521 Insert Module Extraction Tool, P/N 282-660 Spigot Wrench-Polarizing keys and P/N 282-661 Spigot Wrench-Backshells. No mention is made as to how these tools are used.

CRM Log ID 27114 Dated 18 DEC 2007 states that ESU connectors P326 and P327 are removed and installed on the ESU by loosening or tightening the integral center jackscrew in each connector by means of a standard 9/64ths inch Allen wrench.

The Log further states that the three tools that are today called out in the Support Equipment lists are actually only used to disassemble and reassemble the connectors for repairs or modifications.

The Log also indicates that the AMM should be updated. The AMM has been updated but calls out the disassembly tools instead of the Allen wrench.

1) Please confirm Log 27114 is correct in stating that a 9/64ths Allen wrench is the only tool required to remove and install ESU connectors P326 and P327.

2) Log 27114 lists the three connector disassembly tools and suggests that other terminal release tools may also be required. Please provide the P/Ns of those terminal release tools.

This office will submit a SoundOff as required. EoM

Resolution Description

Q-1) Please confirm Log 27114 is correct in stating that a 9/64ths Allen wrench is the only tool required to remove and install ESU connectors P326 and P327.

A-1) The tool required to dis-assemble/re-assemble is nothing more than a 9/64 Allen Wrench.

Q-2) Log 27114 lists the three connector disassembly tools and suggests that other terminal release tools may also be required. Please provide the P/Ns of those terminal release tools.

A-2)

	Crimp Tool	Positioner
Insertion/Extraction		
Size 22 Contact 282885	M22520/2-01 (Radial# 282281)	M22520/2-23 (Radial#282970)
Size 16 Contact 282546	M22520/1-01 (Radial# 282291)	M22520/1-02 (Radial#282972)

If you need to remove the insert, extraction tool 282521.

NOTICES

THIS DOCUMENT, OR AN EMBODIMENT OF IT IN ANY MEDIA, DISCLOSES INFORMATION WHICH IS PROPRIETARY, IS THE PROPERTY OF SIKORSKY AIRCRAFT CORPORATION AND/OR ITS SUBSIDIARIES, IS AN UNPUBLISHED WORK PROTECTED UNDER APPLICABLE COPYRIGHT LAWS, AND IS DELIVERED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED, DISCLOSED, REPRODUCED, IN WHOLE OR IN PART (INCLUDING REPRODUCTION AS A DERIVATIVE WORK), OR USED FOR MANUFACTURE, REPAIR OR OVERHAUL BY THE RECIPIENT WITHOUT THE WRITTEN CONSENT OF SIKORSKY AIRCRAFT CORPORATION, AND THAT NO RIGHT IS GRANTED TO DISCLOSE OR SO USE ANY INFORMATION CONTAINED THEREIN. ALL RIGHTS RESERVED. ANY ACT IN VIOLATION OF APPLICABLE LAW MAY RESULT IN CIVIL AND CRIMINAL PENALTIES.

THIS DOCUMENT PROVIDES DISCRETE DISPOSITION AND/OR REPAIR INSTRUCTIONS UNIQUE TO THE SERIALIZED PART OR SERIALIZED AIRCRAFT SPECIFIED HEREIN AND SHALL NOT BE USED FOR DISPOSITION OF SIMILAR CONDITIONS OR REFERENCED AS THE BASIS OF SUBSTANTIATION IN WHOLE OR IN PART, FOR OTHER FORMS OF APPROVED TECHNICAL DATA. THIS DOCUMENT ONLY PROVIDES DISPOSITION FOR CONDITIONS EXPLICITLY IDENTIFIED HEREIN AND DOES NOT CONSTITUTE ABSOLUTE AND FINAL ACCEPTANCE.

EXPORT WARNING

THESE COMMODITIES, TECHNICAL DATA OR SOFTWARE ARE SUBJECT TO THE EXPORT CONTROL OF EITHER THE INTERNATIONAL TRAFFIC IN ARMS REGULATIONS (ITAR) OR THE EXPORT ADMINISTRATION REGULATIONS (EAR) AND CANNOT BE EXPORTED WITHOUT THE AUTHORIZATION OF EITHER THE DEPARTMENT OF STATE OR THE DEPARTMENT OF COMMERCE PRIOR TO EXPORT. EXPORT INCLUDES DISCLOSURE AND OR ACCESS TO COMMODITIES, TECHNICAL DATA OR SOFTWARE BY FOREIGN NATIONALS WHETHER LOCATED IN THE UNITED STATES OR ABROAD. THIS REQUIREMENT APPLIES EQUALLY TO FOREIGN NATIONAL EMPLOYEES OF U.S. COMPANIES AND THEIR FOREIGN SUBSIDIARIES.

STATE STATEMENT.