

JIC: 16767 / 0

Title: HIGH TIME THSA INSPECTION SB\_CONFIG\_001.

Area: SYS2

ATA:

Special Codes:

A/C: BIS

Job Instruction Card for - / -

**ITEM ONE - HIGH TIME THSA INSPECTION SB\_CONFIG\_001.**

<b>Panels:</b>	312AR (EMPEN AND FUSE TAIL - PANEL 1 - RIGHT SIDE)		
<b>Zones:</b>	310 (FUSLG TAIL SECTION AFT OF AFT PRESS BHD SIDE: LR)		
<b>References:</b>	EASA AD: 2016-0184 Rev.00 SB: 27-1227 Rev.03		
<b>Material:</b>	14-SBA1	TEXTILE-LINT FREE COTTON	1.0 req.
	11-002	DRY CLEANING SOLVENT (VARSOL/WHITE)	0.5 req.
	03-003	LUBRICATING OIL TURBINE SYNT.BASE	1.0 req.
	19-018	LOCKWIRE STAINLSS	1.0 req.
	M83248-1-117	PACKING-PREFORMED	1.0 req.
	04-037	GENERAL PURPOSE LITHIUM GREASE	0.3 req.
<b>Tools:</b>	98D27403500000	PITCH TRIM CONTROL LOCKING	1.0 req.
	0U190364	TOOL - DRAIN, THSA	1.0 req.
	0U190363	TOOL - FILL, THSA	1.0 req.

**STEP 01.**

		MECH	INSP
HEADER. APPROVAL DATA.			
Prepared by:	10657	20 FEB 2017.	
Approved by:	11700	20 FEB 2017	

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**STEP 02.**

GENERAL INFORMATION.

MECH

INSP

 **WARNING**

MAKE SURE THAT YOU OBEY ALL THE WARNINGS AND ALL THE CAUTIONS INCLUDED IN THE REFERENCED PROCEDURES

 **CAUTION**

ALWAYS OBEY THE PRECAUTIONS THAT FOLLOW TO KEEP ELECTRICAL WIRING IN A SATISFACTORY CONDITION (ELECTRICALLY AND MECHANICALLY SERVICEABLE). WHEN YOU DO MAINTENANCE WORK, REPAIRS OR MODIFICATIONS, ALWAYS KEEP ELECTRICAL WIRING, COMPONENTS AND THE WORK AREA AS CLEAN AS POSSIBLE. TO DO THIS:

- PUT PROTECTION, SUCH AS PLASTIC SHEETING, CLOTHS, ETC. AS NECESSARY ON WIRING AND COMPONENTS.
- REGULARLY REMOVE ALL SHAVINGS, UNWANTED MATERIAL AND OTHER CONTAMINATION.

THESE PRECAUTIONS WILL DECREASE THE RISK OF CONTAMINATION AND DAMAGE TO THE ELECTRICAL WIRING INSTALLATION.  
IF THERE IS CONTAMINATION, REFER TO ESPM 20-55-00.

**STEP 03.**

STANDARD PRACTICES.

MECH

INSP

1. For the Frame (FR) identification, refer to AMM 06-31-53, Page Block 001.
2. For the identification of zones, refer to AMM 06-20-00, Page Block 001.

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**STEP 04.**

Mech. Skill: B1

**MECH**

**INSP**

JOB SET-UP.

 **NOTE**

The items given in this note shall be considered as the basic Aircraft configuration before you start a maintenance task:

- Aircraft on the ground resting on landing gear (the ground safety locks and the wheel chocks are in position on the landing gear)
- Engine shut down, thrust reversers closed and locked
- Aircraft in clean configuration
- Parking brake applied
- Aircraft electrical network de-energized
- Hydraulic systems depressurized
- Access to the cockpit and cabin is available
- All circuit breakers are in closed position
- All controls in NORM, AUTO or OFF position.

1. Make sure that the aircraft is electrically grounded, refer to AMM Task 12-34-24-869-002.
2. Put an access platform in position at zone 310.
3. Do the Job Set-Up procedure as specified in the inspection of the magnetic chip detector, refer to AMM Task 27-44-51-200-002.
4. Do the Job Set-Up procedure as specified in the draining of the THS Actuator gearbox, refer to AMM Task 27-44-51-610-001.
5. Do the Job Set-Up procedure as specified in the detailed inspection of the ballscrew and nut, refer to AMM Task 27-44-51-220-001.
6. Do the Job Set-Up procedure as specified in the detailed inspection of the upper and lower attachments, refer to AMM Task 27-44-51-220-002.

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**STEP 05.**

Mech. Skill: B1 Dble. Rel. Skill: B1

**MECH**

**INSP**

Special Detailed Inspection of the THS Actuator.

1. Do a Special Detailed Inspection of the THS Actuator.

Refer to Figure 01.

1.1. Do the inspection of the magnetic chip detector, refer to AMM Task 27-44-51-200-002.

 **NOTE**

It is not necessary to perform the boroscopic inspection of power gear detailed in AMM Task 27-44-51-200-002.

1.2. Drain the oil from the THS Actuator gearbox and collect a sample of oil in a container and send it for the spectrometric analysis.. Please attach a label to the bottle with the sample which should contain the following information: THSA P/N, THSA S/N, date when sample was taken and the sentence "Please send the result to ed@rossiya-airlines.com".

Refer to AMM Task 27-44-51-610-001.

 **NOTE**

A quantity of approximately 50 ml is needed to perform the spectrometric analysis.

1.3. Do a detailed inspection of the ballscrew and nut, refer to AMM Task 27-44-51-220-001.

1.4. Do a detailed inspection of the upper and the lower attachments, refer to AMM Task 27-44-51-220-002.

1.4.1. In case of finding during above items 1.1, 1.3 or 1.4 replace the THS Actuator before next flight, perform Steps 06 through 11.

1.4.2. If no finding during above steps 1.1, 1.3 and 1.4 fill the THS Actuator with oil before next flight, refer to AMM Task 27-44-51-610-001. Proceed to the Step 12 after THS Actuator has been filled by oil.

2. Fill in the inspection report attached to the Work Order.

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**STEP 06.**

REPAIR. GENERAL INFORMATION.

----- THIS STEP IS ONLY REQUIRED IN CASE OF FINDINGS IN STEP 05.  
**MARK THIS STEP AS NOT APPLICABLE (N/A) OR NOT REQUIRED (N/R) IF YOU  
 DO NOT PERFORM THIS STEP -----**

**⚠ WARNING**

MAKE SURE THAT YOU OBEY ALL THE WARNINGS AND ALL THE CAUTIONS INCLUDED IN THE REFERENCED PROCEDURES.

**⚠ CAUTION**

ALWAYS OBEY THE PRECAUTIONS THAT FOLLOW TO KEEP ELECTRICAL WIRING IN A SATISFACTORY CONDITION (ELECTRICALLY AND MECHANICALLY SERVICEABLE). WHEN YOU DO MAINTENANCE WORK, REPAIRS OR MODIFICATIONS, ALWAYS KEEP ELECTRICAL WIRING, COMPONENTS AND THE WORK AREA AS CLEAN AS POSSIBLE. TO DO THIS:

- PUT PROTECTION, SUCH AS PLASTIC SHEETING, CLOTHS, ETC. AS NECESSARY ON WIRING AND COMPONENTS.
- REGULARLY REMOVE ALL SHAVINGS, UNWANTED MATERIAL AND OTHER CONTAMINATION.

THESE PRECAUTIONS WILL DECREASE THE RISK OF CONTAMINATION AND DAMAGE TO THE ELECTRICAL WIRING INSTALLATION.  
 IF THERE IS CONTAMINATION, REFER TO ESPM 20-55-00.

MECH

INSP

**STEP 07.**

REPAIR. STANDARD PRACTICES.

----- THIS STEP IS ONLY REQUIRED IN CASE OF FINDINGS IN STEP 05.  
**MARK THIS STEP AS NOT APPLICABLE (N/A) OR NOT REQUIRED (N/R) IF YOU  
 DO NOT PERFORM THIS STEP -----**

1. For the Frame (FR) identification, refer to AMM 06-31-53, Page Block 001.
2. For the identification of zones, refer to AMM 06-20-00, Page Block 001.

MECH

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**STEP 08.**

Mech. Skill: B1	MECH	INSP
<p>REPAIR. JOB SET-UP.</p> <p>----- THIS STEP IS ONLY REQUIRED IN CASE OF FINDINGS IN STEP 05.  <b>MARK THIS STEP AS NOT APPLICABLE (N/A) OR NOT REQUIRED (N/R) IF YOU  DO NOT PERFORM THIS STEP -----</b></p> <div style="border: 1px solid blue; padding: 10px; margin: 10px 0;"> <p style="text-align: center;"><b>NOTE</b></p> <p>The items given in this note shall be considered as the basic Aircraft configuration before you start a maintenance task:</p> <ul style="list-style-type: none"> <li>- Aircraft on the ground resting on landing gear (the ground safety locks and the wheel chocks are in position on the landing gear)</li> <li>- Engine shut down, thrust reversers closed and locked</li> <li>- Aircraft in clean configuration</li> <li>- Parking brake applied</li> <li>- Aircraft electrical network de-energized</li> <li>- Hydraulic systems depressurized</li> <li>- Access to the cockpit and cabin is available</li> <li>- All circuit breakers are in closed position</li> <li>- All controls in NORM, AUTO or OFF position.</li> </ul> </div> <p>1. Make sure that the aircraft is electrically grounded, refer to AMM Task 12-34-24-869-002.  2. Put an access platform in position at zone 310.  3. Do the Job Set-Up procedure as specified in the removal of the THS Actuator, refer to AMM Task 27-44-51-000-001.</p>		

**STEP 09.**

Mech. Skill: B1 Dble. Rel. Skill: B1	MECH	INSP
<p>REPAIR. REPLACE THE THSA.</p> <p>----- THIS STEP IS ONLY REQUIRED IN CASE OF FINDINGS IN STEP 05.  <b>MARK THIS STEP AS NOT APPLICABLE (N/A) OR NOT REQUIRED (N/R) IF YOU  DO NOT PERFORM THIS STEP -----</b></p> <p>1. Remove the THS Actuator, refer to AMM Task 27-44-51-000-001.  2. Install a new THS Actuator before next flight, refer to AMM Task 27-44-51-400-001.</p>		

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**STEP 10**

Mech. Skill: B1 Dble. Rel. Skill: B1	MECH	INSP
<p>TEST AFTER REPAIR.</p> <p>----- THIS STEP IS ONLY REQUIRED IN CASE OF FINDINGS IN STEP 05.  <b>MARK THIS STEP AS NOT APPLICABLE (N/A) OR NOT REQUIRED (N/R) IF YOU            DO NOT PERFORM THIS STEP -----</b></p> <p>Do the test procedure as specified after the installation of the THS Actuator, refer to AMM Task 27-44-51-400-001.</p>		

**STEP 11.**

Mech. Skill: B1	MECH	INSP
<p>CLOSE-UP AFTER REPAIR.</p> <p>----- THIS STEP IS ONLY REQUIRED IN CASE OF FINDINGS IN STEP 05.  <b>MARK THIS STEP AS NOT APPLICABLE (N/A) OR NOT REQUIRED (N/R) IF YOU            DO NOT PERFORM THIS STEP -----</b></p> <p>1. Make sure that the work areas are clean and clear of tools and other items of equipment.            2. Do the close-up procedure as specified after the installation of the THS Actuator, refer to AMM Task 27-44-51-400-001.            3. Put the aircraft back to its initial configuration.</p>		

**STEP 12.**

Mech. Skill: B1	MECH	INSP
<p>CLOSE-UP.</p> <p>1. Make sure that the work areas are clean and clear of tools and other items of equipment.            2. Do the close-up procedure as specified after the inspection of the magnetic chip detector, refer to AMM Task 27-44-51-200-002.            3. Do the close-up procedure as specified after the draining of the THS Actuator gearbox, refer to AMM Task 27-44-51-610-001.            4. Do the close-up procedure as specified after the detailed inspection of the ballscrew and nut, refer to AMM Task 27-44-51-220-001.            5. Do the close-up procedure as specified after the detailed inspection of the upper and lower attachments, refer to AMM Task 27-44-51-220-002.            6. Put the aircraft back to its initial configuration.</p>		

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**STEP 13.**

FIGURE 01.

	MECH	INSP
<p style="text-align: center;">THIS ACTUATOR TO BE INSPECTED</p> <p style="text-align: center;">FWD</p> <p style="text-align: right;">N CR 271227 K RAAA 01</p>		

Figure 01.  
Area to be Inspected.

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