


TAA

Engineering Order

EO NO.	REV	DATE	REFERENCES	PAGE
B777-300 -72 - 66	01	MARCH 04, 2015	AMM SUBTASK CARD 72 – 00-00-220-013-H01	1 of 3

TITLE					
HIGH PRESSURE TURBINE (HPT) STAGE ONE NOZZLE INNER AND OUTER PLATFORMS					
EFFECTIVITY					A/C Group
<input type="checkbox"/> A/C	<input checked="" type="checkbox"/> Engines	<input checked="" type="checkbox"/> Units	Reg./Serial Nos : ESN906944; ESN906945		N/A
CATEGORY		SCHEDULING PERIORITY		AFFECTED MANUALS\	
<input type="checkbox"/> Modification		<input type="checkbox"/> Next Check/Shop Visit		<input checked="" type="checkbox"/> Maintenance Manual	
<input checked="" type="checkbox"/> Inspection		<input type="checkbox"/> Next Heavy Maintenance Visit		<input checked="" type="checkbox"/> Illustrated Parts Catalog	
<input type="checkbox"/> Fleet Campaign		<input checked="" type="checkbox"/> As Scheduled by PPC		<input type="checkbox"/> Structural Repair Manual	
<input type="checkbox"/> Major Repair		<input type="checkbox"/> AOG		<input type="checkbox"/> Wring Diagram Manual	
<input type="checkbox"/> Minor Repair		<input type="checkbox"/> Prior to: 250 FC		<input type="checkbox"/> Other (specify)	
WEIGHT & BALANCE					
Wt. Change (+/-lbs) Centre		NOT APPLICABLE			
DESCRIPTION /JUSTIFICATION					
This Engineering order provides Aircraft Engine recommendations and instructions on how to examine the HPT stage one nozzle inner and outer platforms.					
PURPOSES: <ul style="list-style-type: none"> ● Improvement of reliability ● reduce significant events 					
INVESTIMENT DATA – ANNUAL BENEFITS					
	Per Unit	Per Fleet	Fleet campaign	Maint. Program Change	Total Cost (USD)
Man-hrs	03	18	NA	NA	NA
Elapsed Time	03HOURS	18HOURS	NA	NA	
Man-hrs Cost (USD)			NA	NA	
Additional Cost (USD)	NA	NA	NA	NA	NA
Savings (USD)	NA	NA	NA	NA	NA
Investment					NA
Playback period = Total Savings – Total Additional Costs					
ENGINEERING APPROVAL					
<input checked="" type="checkbox"/> Originator: Domingos Pedro António <i>[Signature]</i>		<input checked="" type="checkbox"/> Engineering Supervisor Firmino Chimuanga <i>[Signature]</i>		<input checked="" type="checkbox"/> Engineering Manager Pedro Matilde Alfredo <i>[Signature]</i>	
<input type="checkbox"/> QA-ME Deputy Director <i>[Signature]</i>		<input checked="" type="checkbox"/> Engineering Deputy Director Eric Kameni <i>[Signature]</i>		<input checked="" type="checkbox"/> DME-Director: Miguel Cassoma <i>[Signature]</i>	
ACCOMPLISHED RECORD					
A/C Reg./Eng. S/N or Unit S/N	Aviation Maintenance Technician		Inspector		
	Date:		Date:		

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HIGH PRESSURE TURBINE (HPT) STAGE ONE NOZZLE INNER AND OUTER PLATFORMS				
EFFECTIVITY				A/C Group
<input type="checkbox"/> A/C	<input checked="" type="checkbox"/> Engines	<input checked="" type="checkbox"/> Units	Reg./Serial Nos : ESN906945	N/A
CATEGORY		SCHEDULING PERIORITY		AFFECTED MANUALS\
<input type="checkbox"/> Modification		<input type="checkbox"/> Next Check/Shop Visit		<input checked="" type="checkbox"/> Maintenance Manual
<input checked="" type="checkbox"/> Inspection		<input type="checkbox"/> Next Heavy Maintenance Visit		<input checked="" type="checkbox"/> Illustrated Parts Catalog
<input type="checkbox"/> Fleet Campaign		<input checked="" type="checkbox"/> As Scheduled by PPC		<input type="checkbox"/> Structural Repair Manual
<input type="checkbox"/> Major Repair		<input type="checkbox"/> AOG		<input type="checkbox"/> Wring Diagram Manual
<input type="checkbox"/> Minor Repair		<input type="checkbox"/> Prior to: 250 FC		<input type="checkbox"/> Other (specify)
WEIGHT & BALANCE				
Wt. Change (+/-lbs) Centre		NOT APPLICABLE		
DESCRIPTION /JUSTIFICATION				
<p>This Engineering order provides Aircraft Engine recommendations and instructions on how to examine the HPT stage one nozzle inner and outer platforms.</p> <p style="text-align: center;">PURPOSES: ● Improvement of reliability ● reduce significant events</p>				
INVESTMENT DATA – ANNUAL BENEFITS				
	Per Unit	Per Fleet	Fleet campaign	Maint. Program Change
Man-hrs	03	18	NA	NA
Elapsed Time	03HOURS	18HOURS	NA	NA
Man-hrs Cost (USD)			NA	NA
Additional Cost (USD)	NA	NA	NA	NA
Savings (USD)	NA	NA	NA	NA
Investment Playback period = Total Savings – Total Additional Costs				NA
ENGINEERING APPROVAL				
<input checked="" type="checkbox"/> Originator: Domingos Pedro António		<input checked="" type="checkbox"/> Engineering Supervisor Firmino Chimuanga		<input checked="" type="checkbox"/> Engineering Manager Pedro Matilde Alfredo
<input type="checkbox"/> QA-ME Deputy Director		<input checked="" type="checkbox"/> Engineering Deputy Director: Eric Kameni		<input checked="" type="checkbox"/> DME-Director: Miguel Cassoma
ACCOMPLISHED RECORD				
A/C Reg./Eng. S/N or Unit S/N	Aviation Maintenance Technician		Inspector	
	Date:		Date:	

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GENERAL INFORMATION – PART I

1. **ORIGINAL DOCUMENT:** SUBTASK 72-00-00-220-013-H01
2. **CATEGORY:** RECOMMENDED
3. **APPLICABILITY:** ESN906945
4. **THRESHOLD:**N/A
5. **REPEAT:** 250FC
6. **TERMINATING ACTION:** N/A.
7. **MAN-POWER AND ELAPSED TIME**
 - 7.1. **Man-power :**03 MAN-HOURS
 - 7.2. **Elapsed Time:**03 HOURS
8. **WEIGHT & BALANCE CHANGE:** NONE
9. **REFERENCES :** SEE, AMM TASK 72-00-00-290-805-H01; SUBTASK 72-00-00-220-013-H01

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ACCOMPLISHMENT INSTRUCTION – PART II**STEPS****AVIATION
MAINTENANCE
TECHNICIAN****INSPECTOR****WORK INSTRUCTIONS****ACCOMPLISHMENT INSTRUCTIONS.****Subtask 72-00-00-220-013-H01**

(6) Examine the HPT stage one nozzle inner and outer platforms.

(a) Cracks in the parent metal and on the braze joint between the airfoils

- 1) Permitted, if no metal is missing.
- 2) See the Continue-In-Service Limit.

(b) Nicks, scores, scratches, and dents on the platform surface

- 1) Permitted

(c) Burns/oxidation

- 1) Permitted if the burns/oxidation are not fully through the metal.
- 2) See the Continue-In-Service Limit.

(d) Bulges or bows

- 1) Not permitted.
- 2) Permitted for not more than 25 cycles.

(e) HPT stage one nozzle inner and outer platform Continue-In-Service Limits

- 1) Borescope every 250 cycles
- 2) All amounts of cracks are permitted.
- 3) As much as 0.20 square-inch (1.29 square-cm) for each airfoil of inner and outer platform metal can be missing because of cracks or burn-through.
- 4) As much as 1.0 square-in (6.45 square-cm) for each assembly of inner and outer platform metal can be missing because of cracks or burn-through.
- 5) Permitted for not more than 25 cycles if the above missing material is more than the limit.

(f) HPT stage one nozzle inner platform protruding or missing spline seal

- 1) Permitted.