



sabena B707	Module: ENGINE 4	A/C Reg :	Check :	 Q1F2000503
	Oper. : RT-MP LC			
	Type : MEC-INSP	Issuer : A43710	Cert.St.: 24828	
Spec. : MECH. INSP	Release Date: 11.10.2001		Page 1 of 3	

ENG 4. 2ND STAGE FAN BLADES INSP

Execution / Start Date:	
End Date:	

MAINT	RII/INSP

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ENG 4. 2ND STAGE FAN BLADES INSP

					MAINT	RII/INSP
Nr.	Hardtime	Task	Spec.	Related Documents		
1.		E4 S	INS	MMS-328 723004 A0104 rev 03/04/00 SAB 72-256 rev .		
Check: B						
Zones: 454						
Access:						

ENG 4. 2ND STAGE FAN BLADES:

- INSPECT L.E. OF 2ND STAGE FAN BLADES WITH A BOROSCOPE TO DETECT NICKS, DENTS AND / OR CRACKS.
ALL NICKS, DENTS AND / OR CRACKS WILL BE BLENDED PER LIMITS OF PWA JT3D-7 MM. CHAPTER 72-0 PAGE 603 & FIG.601 PAGE 604.
NO MORE CRACKS ALLOWED AFTER BLENDING.

NOTE: INSPECT FAN BLADES BEFORE WATER WASH ENGINE.

- PERFORM WATER WASH ENGINE (SEE MM.JT3D-7 CHAPTER 72-00PG 711 & 712 PARAGRAPH C) WITH WATER IN ORDER TO CLEAN THE 2ND STAGE FAN BLADES.


A. CONDITIONS:

- Eng. shut down & allow at least 30 min. for eng. to cool.

B. PROCEDURE:

- Pull IGNITION CB's for eng being washed.
- Disconnect GENERATOR COOLING INLET (AFT) SUPPLY DUCT.
Install red cap for protection on disconnected duct.
- Ensure that start lever for eng. being washed is in "OFF" pos.
- Ensure that all anti-ising air shut-off, fuel de-icing heater shut-off & airframe bleed extraction shut-off valves (except eng. bleed valves) are CLOSED.
- Check N2 rotation is completely stopped, then engage starter & allow eng. to reach full starting rpm. Do not exceed starter duty cycle.
- Spray clean potable water into eng. inlet at 35-45 psi for 30 sec while motering eng. with starter. Spray should be directed toward center of eng. inlet but not directly at nose cone. Approximately 40 - 50 gallons of water may be discharged into eng. in 30 sec period.

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<p>7. Turn water off & release starter.</p> <p>8. Allow eng. to drain for +/- 5 min.</p> <p>9. Repeat steps 5 to 8 as desired (generally 2 to 4 times) to obtain incremental improvements in eng. surge margin & performance, based on operator's experience.</p> <p>10. Inpect inlet guide vanes to ensure that they are undamaged.</p> <p>11. Reset IGNITION CB's FOR WASHED ENG.</p> <p>12. Remove plug from fuel control Pb tube moisture trap & check for entrapped water.</p> <p>13. Remove protection cap & reconnect generator cooling duct.</p> <p>14.- If eng. is to remain inoperative for 4 hours or more, after washing, start eng. & run at idle for 5 min. Operate anti-icing air shut-off, fuel de-icing heater shut-off & applicable airframe bleed extraction shut-off valves.</p> <p>-Shut down eng. & recheck fuel control Pb tube mixture trap for water.</p>		

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