AMM 72–00–00–707 rev Aug. 01/95 **ENGINE # 3 Washing**

MAINT	RII/INSP

Execution / Start Date:	
End Date:	

Pos	Mat. Type	P/N	IDN	Description	Qty	Unit
1	EXPEND	TURCO T–5884	280861525	CLEANER	1.00	EA

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Nr.	Hardtime	Task	Spec.	Related Documents
1.			MEC	AMM 72–00–00–707 rev Aug. 01/95

Check:

Zones:

Access:

NRC YES ❍ NO ❍ IF YES, NUMBER(S):

	MAINT	RII/INSP
1. Record the following engine parametre at noted engine EPR At each point operate the engine for three minute before recording the parametres. During the test the engine bleed and electrical load extraction shall be zero.		

NOTE: Under icing condition, thermal anti–icing may be used between check points.

EPR	1.37 (data plate)	1.60	T.O.
N1			
N2			
EGT			
F.F.			

2.	Shut down engine and allow at least 30 minutes for engine to cool.	
3.	Pull ignition circuit breaker for engine to be washed.	
4.	Disconnect generator cooling inlet (aft) duct.	
5.	Ensure that start lever for the engine to be washed is in the “OFF” position.	
6.	Ensure that all anti–icing air shut–off, fuel de–icing heater shut–off and airframe bleed extraction shut–off valves (except engine bleed valves) are closed.	
7.	Prepare 20 gallons of detergent solution.	
8.	Prepare the engine for washing as follow:	
a.	Disconnect Pt2, Ps3, and Ps4 lines to PRBC.	
b.	Disconnect Pt2 and Pt7 lines to EPR transmiter at lowest point on engine.	
c.	Disconnect Pb sense line to fuel control at engine.	
d.	Disconnect thrust reverser and hydraulic reservoir pressurizatioin line at engine.	

NOTE: It is not necessary to cap off fitting after disconnecting lines, providing fittings are offset to prevent water from entering line or unit.

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9. Motor engine with starter at approximately 15% N2.

10. Discharge approximately five gallons of cleaner solution into engine and release starter.

11. Wait 20 minutes, the repeat step 9 and 11 three more times.

12. Wait 20 minutes and water wash the engine as follow:
    a. Motor engine with starter at approximately 15% N2.
    b. Spray clean potable water into engine intake at 35–45 psi for 30 seconds
       Spray should be directed toward center of engine inlet but not directly at nose dome
    c. Turn water off and release starter.
    d. Allow engine to drain for approximately five minutes.

13. Reconnect the following engine and airframe lines::

    a. Pt2, Ps3, and Ps4 lines to PRBC.

    b. Pt2 and Pt7 lines to EPR transmiter at lowest point on engine.

    c. Pb sense line to fuel control at engine.

    d. Thrust reverser and hydraulic reservoir pressurizatioin line at engine.

14. Reconnect the generator cooling duct.

15. Reset the ignition circuit breaker for the washed engine.

16. Check fuel control Pb tube moisture trap for water.

17. Inspect inlet guide vanes to ensure that they are undamaged.

18. Record the following engine parametre at noted engine EPR
    At each point operate the engine for three minute before recording the parametres.
    During the test the engine bleed and electrical load extraction shall be zero.

NOTE: ***Under icing condition, thermal anti–icing may be used between check points.***

CAUTION: ***DO NOT EXCEED GROUND OPERATION LIMITS FOR ANTI–ICING AIR SYSTEM.***

EPR	1.37 (data plate)	1.60	T.O.
N1			
N2			
EGT			
F.F.			

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19. If engine is to be inoperative for four hours or more, after washing, start engine and run at idle for five minutes. Operate anti–icing air shut–off, fuel de–icing heater shut–off and applicable airframe bleed extraction shut–off.

20. Shut down the engine.

21. Check fuel control Pb tube moisture trap for water.