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**MUKAMALAH AVIATION COMPANY LIMITED (MAC)**  
**LEONARDO S.p.A. AW139 AIRCRAFT INSPECTION PROGRAM**  
71-05-20A-UPG AW139 / PT6C-67C 300 HOUR FUEL NOZZLE CHANGE

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Tail Number	Eng. Pos'n	Engine Serial Number	Engine T.S.N.	SAP Order Number	Work Order Number
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**Instructions**

1. Each listed inspection and/or maintenance function is to be performed in accordance with the publications listed in the current AW139 Technical Publications Index.
2. This procedure must be performed every 300 hours of engine (fuel nozzle) time in service.
3. Each section / item must be initialed or stamped by the mechanic and inspector (if applicable) performing the inspection.
4. All personnel (mechanics, inspectors, shops, etc) who will be signing off any part of the check are required to enter their printed name and company ID with stamp imprint (or certificate number if work is not being performed by repair station) on the last page of this document.
5. Enter all discrepancies found and the corrective action taken on repair station or operator non-routine forms. On this inspection form, write **YES** or **NO** in the box under **Work Required** column for each section / item. If work was required and **YES** was written in the **Work Required** box, also indicate the Non-Routine number that the work was performed under.
6. At the completion of each inspection form, a qualified & authorized mechanic shall check the entire form for proper completion and then enter his signature, company ID number (or A&P number if work is not being performed by repair station), date and repair station certificate number (if applicable) in the space provided at the end of the form.
7. Items designated Clearance To Close (CTC) in the Inspectors column can be signed using the company ID number (or A&P number if work is not being performed by repair station) by any qualified mechanic.

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Engine Serial Number

Work Order Number

1. ENGINE					
ITEM	TASK	MECH	INSP	WORK REQD Yes / No	MHRS
1. Top four fuel nozzles. (Removal)	Remove fuel nozzles #1, #2, #13 and #14; note the position number of each removed nozzle (Ref. EMM 73-10-05). Inspect the inlet screen of the fuel nozzles. If contamination is present, follow the Fuel Impending By-Pass Indication fault isolation chart (Ref. EMM 72-00-00). Inspect removed nozzles for carbon buildup (Ref. EMM 73-10-05). Carbon buildup noted? Yes _____ No _____ If yes, note which position numbers:		RII		
2. MTD AW139-09-15	Borescope inspect combustion liner, CT vane and CT blades: While fuel nozzles #1, #2, #13 and #14 are removed, perform a borescope inspection of combustion liner, CT vane and CT blades  Ref. EMM 72-00-00 Inspection.				
3. Borescope inspect compressor inlet. GMCP contract	Perform a borescope inspection of compressor inlet  Ref. EMM 72-20-00 – AIR INLET SECTION – MAINTENANCE PRACTICES para. 7. B. & 72-00-00 – ENGINE – INSPECTION – 7. Borescope. Note: Inlet screen removal not required.				
4. Top four fuel nozzles. (Reinstallation)	Re-install replacement fuel nozzles (which have been cleaned and function checked) at positions #1, #2, #13 and #14 after completion of borescope inspection in item 1.b above. (Ref EMM 73-10-05)  Record Serial No. of installed fuel nozzle kit: _____		RII		
ENGINE COMPLETED					

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**2. WORK COMPLETION**

TASK	MECH	INSP	WORK REQD Yes / No
Perform visual leak check of fuel manifold & nozzles during engine run.		RII	
Complete final walkaround on aircraft to ensure all panels have been reinstalled.			
Verify completion of all associated Routine / Non-Routine Work Orders.			
Record the total man-hours for all checklist items: _____			

I certify that the AW139 / PT6C-67C 300 Hour Engine Fuel Nozzle Change has been performed on aircraft:

(tail number) \_\_\_\_\_, aircraft total time \_\_\_\_\_, in accordance with the Mukamalah Aviation Company Leonardo AW139 Aircraft Inspection Program Revision \_\_\_\_ and Operator Maintenance Manual Revision \_\_\_\_ and the aircraft has been determined to be in airworthy condition with respect to the work performed.

Date

Mechanic's Signature

Company ID Number or  
A&P Number

Repair Station Cert. No.  
(if applicable)