



Williams International

FJ44 SERVICE BULLETIN

Engine Fuel and Control – Fuel Filter & Filter Bowl – Inspection

1. Planning Information

A. Effectivity:

This service bulletin applies to the following Williams International turbofan engines:

ENGINE MODEL NUMBER	ENGINE PART NUMBER	ENGINE SERIAL NUMBERS
FJ44-3A	67000-200	141802 – 141804, 141806 – 141810
FJ44-3A-24	75000-200	216383 – 216386, 216391 – 216396, 216398
FJ44-3AP	111000-202	252716, 252717, 252719, 252720, 252722

B. Reason:

Inspect for potential Permanent Magnetic Alternator (PMA) bearing wear.

C. Compliance:

This service bulletin is **MANDATORY** and should be accomplished during the next scheduled Check 1 or Check 2 maintenance interval, or within the next 50 engine flight hours; whichever comes first.

Materials and labor associated with this service bulletin will be covered by Williams International for all customers.

D. Description:

This service bulletin gives instructions to inspect the Fuel Delivery Unit (FDU) fuel filter and fuel filter bowl for an opaque dark or black appearance.

E. Approval:

This service bulletin has been reviewed by the appropriate governmental authority and the technical content herein complies with applicable Aviation Regulations and are APPROVED.

F. Manpower:

1.5 Manhour



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G. Material:

PART NUMBER	NOMENCLATURE	QTY
M83248/1-214	O-RING	1
M83248/1-226	O-RING	1

H. Tooling Required:

Not applicable

I. Weight and Balance:

Not applicable

J. Electrical Load Data:

Not applicable

K. Software Accomplishment Summary:

Not applicable

L. References:

FJ44-3A/3A-24 Maintenance Manual
FJ44-3AP Maintenance Manual

M. Other Publications Affected:

Not applicable

N. Family Tree Charts of Modification Relationships:

Not applicable



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2. Accomplishment Instructions

- A. Prepare the engine for maintenance as applicable.
 - 1. Install DO NOT OPERATE signs.
 - 2. Open the circuit breakers to isolate the engine electrical supply.
 - 3. Remove the cowling. Refer to the Aircraft Maintenance Manual.
 - 4. Close the aircraft fuel shut-off valve.
- B. Remove the fuel filter and filter bowl for inspection. Refer to 73-14-01, P.B. 401, TASK 73-14-01-050-803 of the appropriate FJ44 Maintenance Manual.
- C. Inspect the fuel in the fuel filter and filter bowl for an opaque dark or black appearance. Refer to **Figure 1**.

NOTE: If the condition is found, remove and replace the FDU for suspected PMA bearing wear. Contact Williams International Product Support for replacement FDU at WIProductSupport@williams-int.com.
- D. If the fuel in the fuel filter and filter bowl are deemed transparent and clean (Refer to **Figure 2**), re-install fuel filter and filter bowl. Refer to 73-14-01, P.B. 401, TASK 73-14-01-450-803 of the appropriate FJ44 Maintenance Manual.
- E. Record the accomplishment of this service bulletin in the engine logbook.
- F. Record the accomplishment of this service bulletin in IMS 2010 if work is performed by Williams International; otherwise, submit your compliance by filling out the Certificate of Compliance and emailing it to WIProductSupport@williams-int.com.



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Figure 1





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Figure 2





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CERTIFICATE OF COMPLIANCE

TO: Operator, Service Center, or Repair Center Performing Service Bulletin

Upon completion of this service bulletin, please fill in the information requested below. Return this information to Williams International by scanning and emailing to WIProductSupport@williams-int.com. If email is not available, please fax it to 1(248)-669-9515 or return by regular mail.

Williams International
 2280 E. West Maple Road
 P.O. Box 200
 Walled Lake, MI 48390-0200
 USA
 Attention: Product Support

Owner/Operator _____

City/State/Zip _____

Engine Part No.	_____	Engine Model No.	_____	A/C Serial No.	_____
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Eng. Serial No.	_____	_____
	No. 1	No. 2

Component Part No.	_____	_____
	No. 1	No. 2

Component Serial No.	_____	_____
	No. 1	No. 2

Time Since New	_____	_____
	No. 1	No. 2

Time Since Overhaul	_____	_____
	No. 1	No. 2

Cycles Since New	_____	_____
	No. 1	No. 2

Date of Compliance _____

I certify the following service bulletin has been accomplished:

Service Bulletin Title: **Engine Fuel and Control – Fuel Filter & Filter Bowl – Inspection**

Print Name: _____

Signature: _____

Date: _____

 Title Representing