FJ44 Fleet Operations

➢ Over 5900 FJ44 Engines Delivered
➢ 14.0 Million Fleet Hours
FJ44-1A

- 1,141 Engines Produced
- Nearly 4.8 Million Fleet Hours
FJ44-2C

- 495 Engines Produced
- 1.9 Million Fleet Hours
Scheduled Maintenance Overview
**Routine Periodic Inspection (RPI)**

- **Check 1 Inspection**
  - Every 300 Engine Hours

- **Check 2 Inspection**
  - Every 600 Engine Hours (No More Than 300 Hours After Check 1)

- The RPI Interval is Not to be Exceeded by More Than 30 Hours

- Service Center Level Maintenance Which Includes Basic Items Such as Igniter Inspections and Filter Replacements
Routine Periodic Inspection (RPI) - Update
Models Effected: ALL MODELS

The following items are no longer required during the Check 1 Inspection (300 hour interval).
- Fuel pump filter replacement.
- Fuel filter bowl inspection.

These items will only be accomplished during the Check 2 Inspection (600 hours interval).

We continue to strive to reduce maintenance requirements and minimize downtime. Additional efforts are being made in this regard and further improvements are expected in the future.
Major Periodic Inspections (MPI)
FJ44-1A and FJ44-2C

- Alternate between Hot-Section Inspections (HSI) and Compressor-Section Inspections (CSI)
- Checks 3/5/7/9 (HSI)
  - 1750 Hour Interval*
  - 2500 Hour Interval* If Enrolled in TAP
- Checks 4/6/8/10 (CSI)
  - 3500 Hour Interval
  - 5000 Hour Interval* If Enrolled in TAP
- The MPI Interval is Not to be Exceeded by More Than 50 Hours

* Some Limitations Apply. See Chapter 5 of the Line Maintenance Manual to Determine the Interval for Your Engines
Accessory Overhauls

- Accessory overhauls are independent from Major Periodic Inspections.
  - May come due between Major Periodic Inspections.
- Intervals vary by component. See Chapter 5 of the Line Maintenance Manual for your specific intervals.
- Accessories Include:
  - Fuel Delivery Unit
  - Lube and Scavenge Pump
  - Fuel Pump (FJ44-1A)
  - Start Nozzle Control Valve (FJ44-1A)
Life-Limited Components (LLC)

- LLC may reach their maximum approved service life before or between a scheduled MPI.
- Monitor your LLC to prevent operation past their maximum approved service life.
- Service life limit may vary by component. See Chapter 5 of the Line Maintenance Manual for your specific intervals.
- LLC Include:
  - Fan Rotor
  - Intermediate Pressure Compressor Rotor
  - High Pressure Compressor Rotor
  - High Pressure Turbine Disk (Cycles or Hours for FJ44-1A only)
  - 1st Low Pressure Turbine Disk
  - 2nd Low Pressure Turbine Disk
**Improved Fuel Tube Assemblies**

**Models Effected: All**

A more resilient configuration of fuel tubes has been developed.

- New Tubes are installed on all New Production Engines and Service Document have been released to update the existing fleet.
- Parts and Labor are covered on effected engines.
- Key Fuel Tubes will be replaced at Check1 or Check 2 (RPI)
- All other affected Tubes will be replaced at CSI.

**RPI Upgrade Service Documents**

- WISB-73-062 (Models Affected: FJ44-1A)

**CSI Upgrade Service Documents**

- WISB-73-1000 (Models Affected: FJ44-1A)
- WISB-73-1012 (Models Affected: FJ44-2C)
FJ44
General Topics
Williams International World Headquarters
- Dawn of a New Era -
**Williams International World Headquarters**  
- Dawn of a New Era -

  - Expands our product support capabilities to better serve you
    - Modern training facility for hosting our highly-rated aircraft operator and technician training.
    - Open, integrated office area where we have room to expand as the fleet grows.
    - Larger, streamlined Repair Station.
  - Provides us with the ability to further accelerate our rapid pace of product development & improvement in offerings made to our customers.
  - Our world class environment helps us attract the best in the business to better serve you.
Engine Maintenance Terminal (EMT)

- Having an EMT on board the aircraft can reduce AOG down time.
- Allows for FADEC data to be sent to us upon landing.
  - This allows fault and other information to be reviewed
  - Assists in troubleshooting and determining corrective action
  - Allows quicker dispatch of hardware or personnel if needed
  - Clearing of faults can be accomplished
EMT Overview

- Used to program and interrogate the FADEC System.
- Includes:
  - EMT Software
  - USB to Serial Converter
  - Communication Cables
  - Computer
- Key Uses:
  - Routine Maintenance Downloads
  - Engine or ECU replacement programming
  - Engine Control Software programming
  - Trouble Shooting and Clearing of FADEC Faults and Exceedances
  - Downloading and submitting FADEC system data including Faults, Trends and exceedances
EMT Software

Two versions of EMT Software:

- **Basic EMT**
  - Intended for use by operators.
  - Free download from our website.
  - Functions:
    - Download FADEC Data (.einfo file)
    - View and log engine parameters
    - View and clear FADEC faults
    - View Exceedances
    - View FADEC liger values and control settings

- **Full EMT**
  - Intended for use and purchase by trained maintenance providers.
  - Additional Functions:
    - FADEC control software programming
    - Updating FADEC liger values and control settings
Product Support App

Just Launched

News for Owners and Operators

New Product Support App

We have just launched a new Product Support mobile application.

Anyone with a Product Support Portal account can utilize the app on iOS and Android mobile devices to quickly access several tools.

One noteworthy new feature is the ability to request Routine Periodic Inspection kits for engines enrolled in the Total Assurance Program. The app also includes a tool for scheduling Major Periodic Inspections and other maintenance events.

Go mobile with your product support by searching “Williams International” on Apple’s App Store or the Google Play Store today.
TAPADVANTAGE® BLUE

Program Benefits include:

- “Optional” Bulletin Coverage
- Foreign Object Damage Coverage
- Corrosion Coverage at MPI
- Express Compressor Section Inspection
- Unscheduled Engine Removal Credit
- Minimum Hour Forgiveness
- And More....
Contacting Us

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Thank You!

Enjoy the Remainder of Your Conference