

Checklists / F-1 DAILY INSPECTION - 567 05/24 DLY

Draft

General Information

Title

F-1 DAILY INSPECTION

Number

567 05/24 DLY

Inventory Item

N567EM Airframe

Times Required

No

eSignature Required

Yes

Description

DAILY INSPECTION REQUIREMENTS PRIOR TO FLIGHT

Times

Items

Attachments

Versions

Items

1. APG

1.1 BATTERY INSPECTION

PHYSICAL INSPECTION OF BATTERY AND COMPARTMENT. SECURITY OF BATTERY AND VENTS ARE FREE OF ELECTROLYTE. REFERENCE 2-5-101.

Chris Silva

23-MAY-2021 15:05 UTC

1.2 ELECTRICAL SYSTEM INSPECTION (BATTERY CHECK)

CHECKING THAT BATTERY IS FULLY CHARGED. ENSURE BATTERY HAS BEEN DISCONNECTED FROM THE BUS BAR FOR AT LEAST 6 HOURS. VOLTAGE MUST BE MEASURED WITHIN 30 SECS AFTER BATTERY HAS BEEN TURNED ON. REFERENCE 2-5-118.



Data Points

Title

Value

VOLTAGE ABOVE 24.7V

Yes

BATTERY VOLTAGE

25.91

Chris Silva

23-MAY-2021 15:05 UTC

1.3 HYDRAULIC SYSTEM PRESSURES (BRAKES)

ENSURE NORMAL BRAKE PRESSURE IS REDUCED AND "BRAKES" LIGHT IS NO LONGER LIT. HYD PRES READING INVERTER SWITCH ON SERVO POSITION = ZERO ON NEEDLES. INVERTER SWITCH ON SDES = ZERO ON NEEDLE. FDS DIAL = EMERGENCY BRAKING RESERVE. REFERENCE 2-5-101.



Data Points

Title

Value

FDS NEEDLE READING

180

Jimmy Grumbles

23-MAY-2021 15:44 UTC

1.4 Stick Boot Inspection

Verify Stick Boot Is Properly Configured For Flight



Data Points

Title

Value

Properly Configured

Yes

Jimmy Grumbles

23-MAY-2021 15:44 UTC

2. GROUND POWER CHECKS

2.1 EXTERNAL LIGHTING

CHECK CONDITION AND FUNCTION OF LIGHTS (NAVIGATIONAL AND FORMATION)



James Nelson

23-MAY-2021 22:54 UTC

2.2 FUEL QUANTITY (LITERS)

VERIFICATION OF FUEL AND INSPECTION OF GAUGES, FEEDER TANK AND FUSELAGE TANK
PUSH BUTTON CHECKS. REFERENCE 2-3-101.



Data Points

Title

Value

FUEL QTY

4100

Jimmy Grumbles
23-MAY-2021 15:44 UTC

2.3 FAILURE AND ALARM WARNINGS CHECK

CHECK OF ALARM PANEL WARNING LIGHTS AND AUDIBLE WARNINGS. REFERENCE 2-5-101.



Jimmy Grumbles
23-MAY-2021 15:52 UTC

2.4 OXYGEN WARNING CHECK

ENSURE "OX REG" LIGHT COMES ON AND OXYGEN AUDIO SIGNAL IS HEARD. REFERENCE 2-5-101.



Jimmy Grumbles
23-MAY-2021 15:44 UTC

2.5 LIMIT CHECK

ENSURE "LIM" WARNING LIGHT COMES ON WHEN DEPRESSED AND LIMIT WARNING IS HEARD.
REFERENCE 2-5-101.



Jimmy Grumbles
23-MAY-2021 15:52 UTC

2.6 FIRE DETECTION CHECK

ENSURE FIRE WARNING LIGHT COMES ON WHEN DEPRESSED (ENGINE AND AFTERBURNER)
AND AUDIO WARNING IS HEARD. REFERENCE 2-5-101.



Jimmy Grumbles
23-MAY-2021 15:52 UTC

2.7 EMERGENCY ELECTRIC PUMP CHECK

ENSURE WHEN SWITCHED ON PRESSURE INCREASES, "EMG HYD" LIGHT GOES OUT, AND
PUMP STOPS. CHECK OPERATION FOR AILERON DEFLECTION WHEN CONTROL STICK IS
OPERATED IN ROLL. REFERENCE 2-5-101.



Jimmy Grumbles
23-MAY-2021 15:44 UTC

2.8 CANOPY MICROSWITCH OPERATION

ENSURE "CAB.P" WARNING LIGHT IS OPERATIONAL WITH CANOPY OPERATION. REFERENCE 2-5-101.



Jimmy Grumbles
23-MAY-2021 15:44 UTC

2.9 LOX SERVICING AND BOTTLE SECURITY (IF REQUIRED)

VERIFY THE BOTTLE IS SERVICED AND AND INSTALLED CORRECTLY.

Title
Value
TECHNICIAN
[REDACTED]
INSPECTOR
[REDACTED]

Data Points

James Nelson
23-MAY-2021 22:54 UTC

2.10 LOX CHECK

ENSURE WHEN "T" BUTTON IS DEPRESSED THE POINTER CONTINUOUSLY HUNTS BETWEEN "EMPTY" AND "FULL" POSITIONS AND WHEN RELEASED THE POINTER STABILIZES. REFERENCE 2-5-115.

Title
Value
Bottle S/N
752.0
LOX Quantity in Liters
5.0

Data Points

James Nelson
23-MAY-2021 20:37 UTC

2.11 GOX CHECK

ENSURE "5mn OX" LIGHT IS OUT AFTER AIRCRAFT OXYGEN AND EMERGENCY COCKS ARE OPENED. REFERENCE 2-5-101.

Jimmy Grumbles
23-MAY-2021 15:52 UTC

2.12 INSTRUMENTS CHECK

STANDBY ALT SET, VERTICAL SPEED INDICATOR, PITOT STATIC HEAT CHECKS. ENSURE "PITOT" LIGHT IS OUT WHEN "PITOT" SWITCH IS TURNED ON AND HEAT IS PRESENT AND WHEN TURNED OFF "PITOT" LIGHT COMES ON. CAUTION PROBE COVERS MUST BE REMOVED. REFERENCE 2-5-115.

Jimmy Grumbles
23-MAY-2021 15:44 UTC

3. APG GENERAL

3.1 AIR INTAKE DUCT/TURBO STARTER/ENG FAN INSPECTION

INSPECTION OF BOUNDARY LAYER BLEEDS, AIR INTAKES, SHOCK CONES, TURBO STARTER COWLING AND AIR INLET SCREENS, 1ST STAGE FAN BLADE CONDITION. REFERENCE 2-5-101.

☐
Data Points

Title

Value

INSPECTED BY



James Nelson

23-MAY-2021 16:57 UTC

3.2 EXHAUST INSPECTION

INSPECTION OF TAILPIPE, NOZZLE, ACTUATORS, AND SHIELDING. REFERENCE 2-5-101.

☐
Data Points

Title

Value

INSPECTED BY



James Nelson

23-MAY-2021 16:58 UTC

3.3 HYDRAULIC SYSTEMS

FLUID LEVEL CHECKS OF HYDRAULIC SYSTEMS 1 AND 2. REFERENCE 2-5-101.

☐
Data Points

Title

Value

SYSTEM 1

8.5

SYSTEM 2

5.5

Chris Silva

23-MAY-2021 15:03 UTC

3.4 TIRE INSPECTION AND PRESSURE CHECKS

CONDITION INSPECTION AND PRESSURE VALUES. REFERENCE 2-5-101/2-4-001.

☐
Data Points

Title

Value

NOSE TIRE (LEFT)

138.0

NOSE TIRE (RIGHT)

138.0

RIGHT MAIN (OUTER)

156.0

RIGHT MAIN (INNER)

153.0

LEFT MAIN (INNER)

153.0

LEFT MAIN (OUTER)

153.0

ALL VALVE CAPS INSTALLED ON WHEELS/TIRES

No

Chris Silva

23-MAY-2021 19:50 UTC

3.5 THROTTLE, MFC, AND A/B CONTROLLER INSPECTION

ENSURE ALL PARTS ARE PRESENT AND FREE FROM FUEL AND GREASE. REFERENCE 2-5-101.

Jimmy Grumbles

23-MAY-2021 15:44 UTC

3.6 SHOCK ABSORBER HEIGHT

CHECK THE SHOCK ABSORBER HEIGHT ON BOTH THE UNDERCARRIAGE AND MAIN LANDING GEAR (MEASUREMENT IS IN MILLIMETERS). REFERENCE 2-5-101/2-4-001.

Data Points

Title

Value

NOSE GEAR SHOCK

110.0

LEFT MAIN SHOCK

28.0

RIGHT MAIN SHOCK

30.0

Chris Silva

23-MAY-2021 15:04 UTC

4. EGRESS

4.1 SEAT INSPECTION

GENERAL CONDITION, FUNCTION, ROUTING AND SAFETY PIN INSTALLATION. REFERENCE 2-5-119.

James Nelson

23-MAY-2021 17:10 UTC

4.2 F-1 KEY STOWED PROPERLY

Title

Value

Properly Stored

Yes

Data Points

James Nelson
23-MAY-2021 22:54 UTC

5. SUPER

5.1 PAO/CAO Verification

Validate aircraft status prior to flight per MFR

Title

Value

Is the aircraft in PAO

Yes

Enter E-Logbook number

16

Is the aircraft in CAO

No

Enter E-Logbook number

14

☐

Data Points

Tyler Stone
24-MAY-2021 12:18 UTC

5.2 EXCEPTIONAL RELEASE

AIRCRAFT CONDITION INSPECTION AND RECORDS REVIEW REQUIRED PRIOR TO PILOT
ACCEPTANCE AND FLIGHT

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Nathan Wyatt
24-MAY-2021 18:51 UTC

6. OPS

6.1 AIRCRAFT ACCEPTANCE

REVIEW OF THIS CHECKLIST, FLIGHTDOCS™ DOCUMENTATION, PHYSICAL CONDITION OF THE
AIRCRAFT PRIOR TO ACCEPTING THE AIRCRAFT FOR FLIGHT.

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7. Super - Post Maint ER (Only required if ER broken)

7.1 Exceptional Release Post Maintenance Actions

Perform Exceptional Release Post Maintenance Actions - Verify Record Actions Are Complete
And The Aircraft Is Deemed Airworthy

N/A

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8. OPS Post Maint Acceptance (Only Req if ER broken)

8.1 Pilot Acceptance Post Maintenance Actions

Perform review of Flightdocs and perform Acceptance

N/A

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