

1. Approving National Aviation Authority/Country: FAA/UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Tracking Number: 195808	
4. Organization Name and Address: PRATT & WHITNEY ENGINE SERVICES, INC. 1525 MIDWAY PARK RD BRIDGEPORT, WV 26330 FAA CRS# LMIR301K				5. Work Order/Contract/Invoice Number: 195808	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial/Batch Number:	11. Status/Work:
ONE	PW530A TURBOFAN ENGINE	31J1400-01	ONE	PCE-DA0525	OVERHAULED
12. Remarks: TTSN: 3779.0 TCSN: 2372 TTSO: -0 TCSO: -0					

This engine has been inspected, overhauled, and tested in accordance with PW530A Overhaul Manual P/N: 30J1113, Rev. 34, dated 2 May 2016; PW500 CIR Manual P/N: 30J2306, Rev.15, dated 11 January 2016; and other P&WC approved documentation and/or engineering documentation acceptable to the Administrator.

The engine test certificate, life limited parts log, modification log, log of major parts replaced, and engine check list are attached to the logbook. Pertinent details of the work performed are on file at this repair station under the above sales order number

13a. Certifies the items identified above were manufactured in conformity to: ☐ Approved design data and are in a condition for safe operation. ☐ Non-approved design data specified in Block 12.		14a. ☒ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.	
13b. Authorized Signature:	13c. Approval/Authorization No.:	14b. Authorized Signature: <i>David M Scroggs</i>	14c. Approval/Certificate No.: LMIR301K
13d. Name (Typed or Printed):	13e. Date (dd/mm/yyyy):	14d. Name (Typed or Printed): David M Scroggs, Authorized Inspector	14e. Date (dd/mm/yyyy): 27 Jan 2017
User/Installer Responsibilities			
It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.			

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13d. Name (Typed or Printed):	13e. Date (dd/mm/yyyy):	14d. Name (Typed or Printed): David M Scroggs, Authorized Inspector	14e. Date (dd/mm/yyyy): 27 Jan 2017

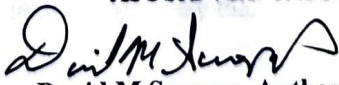
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PRATT & WHITNEY ENGINE SERVICES, INC.
PW530 ENGINE TEST CERTIFICATE

SALES ORDER 195808	ENGINE MODEL PW530A	MAINTENANCE CATEGORY OVERHAUL
ENGINE SERIAL NUMBER PCE-DA0525		
CORRECTED PERFORMANCE RATING: TAKEOFF THRUST LB: 2887 N1/RTHO: 14016 N2/RTHO: 30755 SFC: 0.477 T4.5/THO: 638°C P3/P1: 11.6		
TRIM PLATE INFORMATION REFERENCE THRUST: 2887 DATA PLATE SPEED N1: 89.0% DATA PLATE SPEED N2: 95.7% T4.5 TRIM OHMS: 39.7Ω		
TRIM WEIGHTS HIGH ROTOR: C40 LOW ROTOR: N/R		
THIS ENGINE HAS BEEN TESTED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND REQUIREMENTS.		
DATE 27 January 2017	APPROVED INSPECTOR  David M Scroggs, Authorized Inspector	

PRATT & WHITNEY ENGINE SERVICES, INC

PW530 LIFE LIMITED PARTS LOG

Customer	Model	Serial Number
Drug Enforcement Administration	PW530A	PCE-DA0525

H.S.I.	Repair	Overhaul	Sales Order	Reference Maintenance Manual
		XX	195808	30J1112 Rev. 43

T.T.S.N.	T.C.S.N.	T.T.S.O.	T.C.S.O.
3779.0	2372	-0-	-0-

Description	Part Number	Serial Number	Total Time	Total Cycles	Remaining Cycles	Cycle Limit	Remarks
Fan IBR	30J1541-01	A001A0CN	3779.0	2372	12628	15000	
HPC 1 st stage	30J2821-01	A0019MWY	3779.0	2372	11128	13500	Modified IAW SB 30291
HPC 2 nd stage	30J2429-01	A0019P0B	3779.0	2372	11128	13500	
Impeller	30J1450-01	A0019KAY	3779.0	2372	11128	13500	
HPT Disk	30J1401	A003CLAL	0.0	0	12000	12000	
LPT 2 nd Disk	30H1322	77B333	3779.0	2372	11128	13500	
LPT 3 rd Disk	30H1323	81B825	3779.0	2372	11128	13500	

Note: The remaining cycles must be reviewed at each subsequent revision of the Maintenance Manual.

Completed By:  David M Scroggs, Authorized Inspector	Date: 27 January 2017
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N/D = NOT DISASSEMBLED

Technical data NOT classified more restrictively than ECCN 9E991

Service Centre - PL81 - WV
FAA ARS, No. LM1R301K

Pratt & Whitney Engine Service Inc.
1525 Midway Park Road
Bridgeport, West Virginia
United States, 26330
FAA ARS, No. LM1R301K

Status of Airworthiness Directives for This Shop Visit

Sales Order: 195808
Description: NON-MODULAR MODULE
Model: PW530A
Serial Number: DA0525

Customer: Drug Enforcement Administration
Print Date: 27-JAN-2017
Page: 001 of 001

Document No.	Revision No.	Status
Description		
AWD CF-2002-42 000	00	Embodied
FUEL TUBE-FUEL/OIL HEAT		
AWD CF-2010-19 000	00	Embodied
INTERCOMPRESSOR BLEED VALVE/SERVO VALVE		
AWD CF-98-18 000	00	Embodied
ENGINE SURGE-INSPECTION		
FAA 2003-03-21 000	00	Embodied
FUEL TUBE-FUEL/OIL HEAT		
FAA 2010-18-09 001	00	Embodied
(RA) INTERCOMP BLEED VALVE/SERVO VALVE		
FAA 2010-18-09 002	00	Embodied
(TA) INTERCOMP BLEED VALVE/SERVO VALVE		
FAA 98-17-10 000	00	Embodied
ENGINE SURGE-INSPECTION		

I hereby certify that the above airworthiness directives with status "EMBODIED" have been incorporated or found embodied in this engine as per the manufacturer's recommendations.

Authorized Inspector:

Paul M. Scurry



Service Centre - PL81 - WV
FAA ARS, No. LM1R301K

Pratt & Whitney Engine Service Inc.
1525 Midway Park Road
Bridgeport, West Virginia
United States, 26330
FAA ARS, No. LM1R301K

List of Service Bulletins and Special Instruction incorporated this visit.

Sales Order: 195808
Module Name: NON-MODULAR MODULE
Model: PW530A
Serial Number: DA0525

Customer: Drug Enforcement Administration
Print Date: 27-JAN-2017
Page: 001 of 001

Document No.	Revision #	Class	Description
SB 30255 000	00	8	HIGH PRESS. BLADES TURBINE-REPL. OF
SB 30261 000	02	3	FUEL PRESSURE TUBE REPLACEMENT & ATTENUA
SB 30271 000	00	6	FAN ROTOR BALANCING ASSY-MOD./REPL. OF
SB 30291 000	01	6	FIRST STAGE HIGH COMPRESSOR ROTOR - REPL
SB 30300 000	03	6	OIL PUMP PLAIN SEAL - REPLACEMENT OF
SB 30308 000	00	6	COMPRESSOR RETAINING NUT - REPLACEMENT O
SB 30325 000	02	6	OIL - PUMP PLAIN SEAL - REPL. OF
SB 30327 000	00	6	NO. 4 BEARING CARBON SEAL - REPLACEMENT
SB 30346 000	01	6	ACCESSORY GEARBOX DRIVE SHAFT ANNULAR BA
SB 30347 000	00	6	GG CASE TO INTERMEDIATE CASE ASSEMBLY -
SB 30348 000	01	6	INTMED CASE - AGB DRIVE/SHAFT LOWER BEAR
SB 30351 000	02	6	TURBINE EXHAUST CASE REINFORCEMENT RING
SB 30353 000	01	6	INTERSHAFT CARBONSEALS - REPLACEMENT OF
SB 30357 000	03	6	HFC WITH ADDITIONAL PROTECTIVE SCREENS
SB 30362 000	00	6	HPTURBINE DISK BALANCING ASSEMBLY WITH T
SB 30372 000	03	6	FUEL NOZZLE - PRIOR CONFIG. - REVERT TO
SB 30381 000	02	3	GROMMETS AND COVER PLATE FAIRING / REPL
SB 30387 000	05	6	REAR BYPASS DUCT ASSY - REPL / MOD
SB 30389 000	00	7	CARBON SEAL, NO. 4 BEARING - REPLACEMENT
SB 30400 001	04	6	INTERMEDIATE CASE & INTERSHAFT SEAL CARR
SB 30403 000	01	6	TEE HEAD BOLTS/1ST - 2ND STG HP COMP. AS
SB 30405 000	03	6	FUEL NOZZLE MANIFOLD - REPL OF
SB 30408 000	00	6	ENGINE GASKET - REPL OF
SB 30415 000	03	6	NO. 4 ROLLER BRG - REPL OF
SB 30423 000	01	6	INTERMEDIATE CASE ASSY - REPL/MOD OF
SB 30428 000	04	6	FUEL MANIFOLD SYSTEM INTERFACE - REPL OF
SB 30447 000	01	6	GG CASE - NEW COATING MOD OF
SB 30455 000	04	7	HFCU - REPL / MOD OF
SB 30465 000	02	7	FUEL MANIFOLD TUBES - REPL OF
SB 30490 000	00	3	FUEL PRESSURE TUBE INST-INSP/REPLACEMENT
SB 30501 000	00	3	SHIPPING CAPS FOR SHIPPING CONTAINERS -
SB 30505 001	02	3	BLEED OFF VALVE GASKETS - REPL OF
SB 30511 000	01	6	AGB COV BOLTS OR NUTS- RE-TORQUEING OF
SB 30512 000	02	3	FUEL CONTROL - INSP / REPL OF
SB 30517 000	01	6	IGNITER FLANGE GASKETS - DELETION OF

I hereby certify that the above modifications and directives have been incorporated in this engine as per the manufacturer's recommendations.

Authorized Inspector:

Paul M. Newguy



**Pratt & Whitney**

A United Technologies Company

Pratt & Whitney Engine Service Inc.
1525 Midway Park Road
Bridgeport, West Virginia
United States, 26330
FAA ARS, No. LM1R301K**Liste des pièces remplacées
List of Replaced Parts****Dossier qualité - Quality Record**

P&WC JR3-6934-E (2012-10)

Page 1 De 2
Of

Date 2017/01/27

N° de série Serial No.	Module	Modèle Model	Bulletin de vente Sales Order No.	Client Customer
DA0525	NM	PW530A	195808	PWCL(CSSP)

N° de la pièce Part No.	Désignation de la pièce Part Description	Qté Qty	Non Fact. Not Chrg.	Sub. S. Flag
EXCHANGE				
30J1481CL01	VANE RING-TURBINE, ASSY OF	1		
30J2053-01	T1.4 TEMPERATURE SENSOR	1		
30J2142-01	CASE-FAN, ASSY OF	1		
31J1279-01	SPACER-RING	1		
31J1296-01	SPACER-ADJUSTING, IDXOD	1		
31J1298-01	SPACER-ADJUSTING	1		
31J1305-01	SPACER-ADJUSTING	1		
31J1510-01	SPACER-ADJUSTING, 2.593X0.145	1		

NEW				
30J1401	DISC-TURBINE, HIGH PRESSURE	1		
30J1488-01	SWITCH-IMPEND BYP, FUEL FLTR	1		
30J1581-01	BLADE-TURBINE, HIGH PRESSURE	70		
30J1753-01	BUSHING-SLEEVE	1		
30J1768-01	DAMPER-VIBRATION	1		
30J1941-02	FUEL NOZZLE ASSEMBLY	11		
30J2615-01	ATTENUATOR-ASSY OF	1		
30J2760-01	BRACKET - TUBE SUPPORT	1	X	
30J2845-01	NUT-RETAINING, COMPRESSOR	1		
30J2936-01	BEARING-BALL, FLANGED	1		
30J3144-01	SEAL-CARBON, INTERSHAFT	2		
30J3168-01	GROMMET-MANIFOLD, REAR	1		
30J3218-01	GROMMET-FUEL SHUT-OFF CABLE	1		
30J3236-01	PLATE-RETAINING, TUBE	10		
30J3240-01	TUBE-FUEL MANIFOLD, INLET, OUTER	2		
30J3241-01	TUBE-FUEL MANIFOLD, INLET, PRIMARY	1		
30J3242-01	TUBE-FUEL MANIFOLD, INLET, SECONDARY	1		
30J3253-01	PAD ASSY-FUEL SUPPLY	1		
30J3312-01	TUBE-FUEL PRESSURE, ASSY OF	1		
30J3412-01	SEAL-CARBON, NO.4 BEARING	2		
30J3440-01	BRACKET-FUEL SO VALVE, FRONT	1		
30J3441-01	BRACKET-FUEL SO VALVE, REAR	1		
30J3452-01	ADAPTER-FUEL MANIFOLD, INLET	1		

**Pratt & Whitney**

A United Technologies Company

Pratt & Whitney Engine Service Inc.
1525 Midway Park Road
Bridgeport, West Virginia
United States, 26330
FAA ARS, No. LM1R301K**Liste des pièces remplacées**
List of Replaced Parts**Dossier qualité - Quality Record**

P&WC JR3-6934-E (2012-10)

Page 2 De 2

Date 2017/01/27

N° de série Serial No.	Module	Modèle Model	Bulletin de vente Sales Order No.	Client Customer
DA0525	NM	PW530A	195808	PWCL(CSSP)

N° de la pièce Part No.	Désignation de la pièce Part Description	Qté Qty	Non Fact. Not Chrg.	Sub. S. Flag
30J3456-01	BEARING OPTION (IC)	1		
30J3558-01	TUBE-FUEL MANIFOLD,PRIMARY	10		
30J3559-01	TUBE-FUEL MANIFOLD,SECONDARY	10		
30J3560-01	TUBE-FUEL MANIFOLD OUTER	10		
30J3563-01	TUBE-FUEL PRESSURE, ASSEMBLY OF	1		
30J3565-01	TUBE-FUEL PRESSURE, ASSEMBLY OF	1		
30J3714-01	ADAPTER-FUEL MANIFOLD,COMMON	8		
30J3715-01	ADAPTER-FUEL MANIFOLD,LEFT HAND	1		
30J3716-01	ADAPTER-FUEL MANIFOLD, RIGHT HAND	1		
31H1005-02	LINER-SEGMENT,HPT	15		
31H1061-01	RING-RETAINING	1		
31H1128-01	RING, REINFORCEMENT	1		
31J1279-01	SPACER-RING	1		
31J1298-01	SPACER-ADJUSTING	1		
31J1510-01	SPACER-ADJUSTING,2.593X0.145	1		
31J1700-01	FILTER ELEMENT-OIL	1		
31J1819-01	BELLOWS-METAL	2		
31J2236-02	WIRING HARNESS-T6 TC	1		
31J2404-01	FILTER ELEMENT-FUEL	1		
31J2414-01	PLATE OIL PUMP	1		
31J2474-01	HOUSING-T1 TC,ASSY OF	1		
31J2613-01	SEAL-CARBON,NO.5 BEARING	1		
31J2858-01	PLATE-INSTRUCTION,TRIM	1		
31J2899-01	TUBE-AIR,P3,ASSY	1		
31J2900-01	TUBE-AIR,P3,ASYO	1		
31J2915-01	SPRING-HELICOIL,COMPRESSION	1		
PK3672	ENVELOPE-ENGINE PROTECTIVE	1		
PK423	DESICCANT-8 UNIT,BAGGED	12		
PK576	INDICATOR-HUMIDITY (SCD)	1		
ST3292-01	STRAINER ELEMENT-SCAVENGE,ASYO	1		
ST3578-01	HOSE-RUBER,,500X15.475	1		

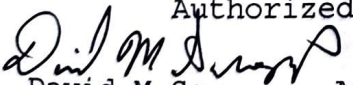
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Export Control Classification: This document contains no technical data.

PRATT & WHITNEY ENGINE SERVICES, INC.

PW530 ENGINE CHECK LIST

CUSTOMER			SALES ORDER	
Drug Enforcement Administration			195808	
ENGINE TURBOFAN		ENGINE SERIAL NUMBER PCE-DA0525		
Item	Serialized Units	Mfr. Part Number	Serial Number	Remarks
1	Fuel Control Unit	1012632-18	F47754	TSO 0.0
2	Fuel Flow Divider Valve	814900-6	F56530	TSO 0.0
3	Emergency Fuel Shutoff Valve	31J2945-01	PWC16A170	TSO 0.0
4	Fuel Bypass Indicator	30J1488-01	HE2883	TSN 0.0
5	Oil Bypass Indicator	30J1489-03	HE1490	TSI/TST 0.0
6	Fuel/Oil Heat Exchanger	D2552-600B	M77619	TSO 0.0
7	Ignition Exciter	9060420-4	NN03251467	TSI 0.0
8	Bleed Valve Controller	816950-4-005	02113891	TSI/TST 0.0
9	Bleed Valve	30J2208-01	49A031	TSO 0.0
10	N1 Speed Sensor	31J2614-01	CH751	TSI 0.0
11	Anti-Icing Valve	540-0406-4	3125	TSO 0.0
12	T1.4 Temperature Sensor	30J2053-01	CH510	TSI/TST 0.0
13	T1/TC Wiring Harness	31J2238-02	AA21449	TSI 0.0
14	Wiring Harness (Main)	30J2316-04	EF00133	TSI 0.0
15	N2 Speed Sensor	31J1596-01	CH656	TSI 0.0
16	Oil Pump	02R30J2106-01	49A152	TSO 0.0
17	Linear Transducer	GM9237-2	1918	TSI 0.0
18	Bleed Valve Torque Motor	30J3490-01	TR6723	TSI 0.0
ENGINE LOG BOOK		Quantity	Color	Type
		One	Red	ASA-SE-2
Authorized Inspector  David M Scroggs, Authorized Inspector 			Date 27 January 2017	

TSN: TIME SINCE NEW TSO: TIME SINCE OVERHAUL TSR: TIME SINCE REPAIRED
 TST: TIME SINCE TESTED TSM: TIME SINCE MODIFIED TSI: TIME SINCE INSPECTED

Technical data NOT classified more restrictively than ECCN 9E991