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1. Approving National Aviation Authority/Country: FAA/UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Tracking Number: 195832	
4. Organization Name and Address: PRATT & WHITNEY ENGINE SERVICES, INC. 1525 MIDWAY PARK RD BRIDGEPORT, WV 26330 FAA CRS# LM1R301K		5. Work Order/Contract/Invoice Number: 195832			
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial/Batch Number:	11. Status/Work:
ONE	PW530A TURBOFAN ENGINE	31J1400-01	ONE	PCE-DA0526	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: 	14c. Approval/Certificate No.: LM1R301K
13d. Name (Typed or Printed):	13e. Date (dd/mm/yyyy):	14d. Name (Typed or Printed): Scott Bucklew, Authorized Inspector	14e. Date (dd/mm/yyyy): 02 Feb 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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				<i>Scott Bucklew</i>		LM1R301K	
13d. Name (Typed or Printed):		13e. Date (dd/mm/yyyy):		14d. Name (Typed or Printed):		14e. Date (dd/mm/yyyy):	
				Scott Bucklew, Authorized Inspector		02 Feb 2017	
User/Installer Responsibilities							
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NSN: 0052-00-012-9005

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

SALES ORDER 195832	ENGINE MODEL PW530A	MAINTENANCE CATEGORY OVERHAUL
ENGINE SERIAL NUMBER PCE-DA0526		
CORRECTED PERFORMANCE RATING: TAKEOFF THRUST LB: 2887 N1/RTHO: 14047 N2/RTHO: 30863 SFC: 0.474 T4.5/THO: 632°C P3/P1: 11.9		
TRIM PLATE INFORMATION REFERENCE THRUST: 2887 DATA PLATE SPEED N1: 89.2% DATA PLATE SPEED N2: 96.0% T4.5 TRIM OHMS: 32.7Ω		
TRIM WEIGHTS HIGH ROTOR: A03 LOW ROTOR: E3, D16		
THIS ENGINE HAS BEEN TESTED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND REQUIREMENTS.		
DATE 2 February 2017	APPROVED INSPECTOR  Scott Bucklew, Authorized Inspector	

PRATT & WHITNEY ENGINE SERVICES, INC

PW530 LIFE LIMITED PARTS LOG

Customer	Model	Serial Number
Drug Enforcement Administration	PW530A	PCE-DA0526

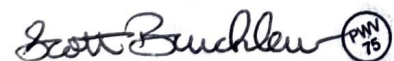
H.S.I.	Repair	Overhaul	Sales Order	Reference Maintenance Manual
		XX	195832	30J1112 Rev. 43

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	A001ADHP	3779.0	2372	12628	15000	
HPC 1 st stage	30J2821-01	A001A6R6	3779.0	2372	11128	13500	Modified IAW SB 30291
HPC 2 nd stage	30J2429-01	A001AK2L	3779.0	2372	11128	13500	
Impeller	30J1450-01	A001A3LH	3779.0	2372	11128	13500	
HPT Disk	30J1401	A001AEXH	3779.0	2372	9628	12000	
LPT 2 nd Disk	30H1322	77B328	3779.0	2372	11128	13500	
LPT 3 rd Disk	30H1323	81B829	3779.0	2372	11128	13500	

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

Completed By:


 Scott Bucklew, Authorized Inspector

Date:

2 February 2017

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: 195832
Description: NON-MODULAR MODULE
Model: PW530A
Serial Number: DA0526

Customer: Drug Enforcement Administration
Print Date: 02-FEB-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:

Scott Buchler 

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: 195832
Module Name: NON-MODULAR MODULE
Model: PW530A
Serial Number: DA0526

Customer: Drug Enforcement Administration
Print Date: 02-FEB-2017
Page: 001 of 001

Document No.	Revision #	Class	Description
SB 30261 000	02	3	FUEL PRESSURE TUBE REPLACEMENT & ATTENUA
SB 30271 000	00	6	FAN ROTOR BALANCING ASSY-MOD./REPL. OF
SB 30280 000	00	8	OIL PUMP GEARSHAFT SPUR - REPLACEMENT/IN
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	INTIMED 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	HFCU 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 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 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: Scott Bucklew



**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 3
Of

Date 2017/02/02

N° de série Serial No.	Module	Modèle Model	Bulletin de vente Sales Order No.	Client Customer
DA0526	NM	PW530A	195832	PWCL(CSSP)

N° de la pièce Part No.	Designation de la pièce Part Description	Qté Qty	Non Fact. Not Chrg.	Sub. S. Flag
CUS_REP				
30J2552-01	SHIELD-HEAT,REAR	1		

EXCHANGE

30J2128-01	LINER COMBUSTION CHAMBER ASSY OF	1		
30J2142-01	CASE-FAN, ASSY OF	1		
30J3518-01	CASE-GAS GENERATOR,ASSY OF	1		
31J1279-01	SPACER-RING	1		
31J1289-01	SPACER-ADJUSTING,IDXOD	1		
31J1296-01	SPACER-ADJUSTING,IDXOD	1		
31J1298-01	SPACER-ADJUSTING	1		
31J1305-01	SPACER-ADJUSTING	1		
31J1969-01	SPACER-ADJUSTING	1		
31J2414-01	PLATE OIL PUMP	1		

NEW

30J1768-01	DAMPER-VIBRATION	1		
30J1941-02	FUEL NOZZLE ASSEMBLY	11		
30J2492-01	BEARING-BALL,ANNULAR (IC)	1		
30J2615-01	ATTENUATOR-ASSY OF	1		
30J2696-01	GEARSHAFT-SPUR,OIL PUMP	1		
30J2760-01	BRACKET - TUBE SUPPORT	1		
30J2825-01	IGNITER	2		
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	2		
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		

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Next page

**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 3
Of

Date 2017/02/02

N° de série Serial No.	Module	Modèle Model	Bulletin de vente Sales Order No.	Client Customer
DA0526	NM	PW530A	195832	PWCL(CSSP)

N° de la pièce Part No.	Designation de la pièce Part Description	Qté Qty	Non Fact. Not Chrg.	Sub. S. Flag
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**Pratt & Whitney**

A United Technologies Company

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

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

Page 3 De
Of 3

Date 2017/02/02

N° de série Serial No.	Module	Modèle Model	Bulletin de vente Sales Order No.	Client Customer
DA0526	NM	PW530A	195832	PWCL(CSSP)

N° de la pièce Part No.	Désignation de la pièce Part Description	Qté Qty	Non Fact. Not Chrg.	Sub. S. Flag
30J3440-01	BRACKET-FUEL SO VALVE,FRONT	1		
30J3441-01	BRACKET-FUEL SO VALVE,REAR	1		
30J3452-01	ADAPTER-FUEL MANIFOLD, INLET	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		
31H1061-01	RING-RETAINING	1		
31H1128-01	RING, REINFORCEMENT	1		
31J1279-01	SPACER-RING	1		
31J1289-01	SPACER-ADJUSTING,IDXOD	1		
31J1305-01	SPACER-ADJUSTING	1		
31J1700-01	FILTER ELEMENT-OIL	1		
31J1819-01	BELLOWS-METAL	1		
31J1902-01	SEAL ASSY-CARBON,NO.3 BEARING	1		
31J1954-01	SEAL-CARBON,NO.1 BEARING	1		
31J1969-01	SPACER-ADJUSTING	1		
31J2404-01	FILTER ELEMENT-FUEL	1		
31J2414-01	PLATE OIL PUMP	1		
31J2498-01	BLADE-TURBINE, HIGH PRESSURE	55		
31J2855-01	BUS BAR - T6 THERMOCOUPLE	1		
31J2858-01	PLATE-INSTRUCTION,TRIM	1		
31J2887-01	GEARSHAFT-SPUR, HYD PUMP DR,ASSY OF	1		
MS9463-05	PIN-STRAIGHT, HEADED,1.85 X.359, PAN	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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PRATT & WHITNEY ENGINE SERVICES, INC.

PW530 ENGINE CHECK LIST

CUSTOMER			SALES ORDER	
Drug Enforcement Administration			195832	
ENGINE TURBOFAN		ENGINE SERIAL NUMBER PCE-DA0526		
Item	Serialized Units	Mfr. Part Number	Serial Number	Remarks
1	Fuel Control Unit	1012632-18	F54765	TSO 0.0
2	Fuel Flow Divider Valve	814900-6	F56813	TSO 0.0
3	Emergency Fuel Shutoff Valve	31J2945-01	PWC16A173	TSO 0.0
4	Fuel Bypass Indicator	30J1488-01	HE1427	TSI/TST 0.0
5	Oil Bypass Indicator	30J1489-03	HE1487	TSI/TST 0.0
6	Fuel/Oil Heat Exchanger	D2552-600B	M79852	TSO 0.0
7	Ignition Exciter	9060420-4	NN02442051	TSI 0.0
8	Bleed Valve Controller	816950-4-005	02116854	TSR 0.0
9	Bleed Valve	30J2208-01	49A049	TSO 0.0
10	N1 Speed Sensor	31J2614-01	CH755	TSI 0.0
11	Anti-Icing Valve	540-0406-4	3141	TSO 0.0
12	T1.4 Temperature Sensor	30J2053-01	CH526	TSI/TST 0.0
13	T1/TC Wiring Harness	31J2238-02	AA21445	TSI 0.0
14	Wiring Harness (Main)	30J2316-04	EF00134	TSI 0.0
15	N2 Speed Sensor	31J1596-01	CH657	TSI 0.0
16	Oil Pump	01R30J2705-01	49A188	TSO 0.0
17	Linear Transducer	GM9237-2	1919	TSI 0.0
18	Bleed Valve Torque Motor	30J3490-01	TR6680	TSI 0.0
ENGINE LOG BOOK		Quantity	Color	Type
		One	Red	ASA-SE-2
Authorized Inspector   Scott Bucklew, Authorized Inspector			Date 2 February 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