



United Parcel Service

SERVICEABLE PARTS TAG

CAT. 2/3

SERVICEABLE PART	PART NUMBER <i>7A2022</i>			SERIAL NUMBER <i>F17925</i>		PO/RO <i>SR0179170</i>		
	ITEM ID			DESCRIPTION <i>MAIN GEARBOX MODULE</i>				
	NEW <input type="checkbox"/> OH <input type="checkbox"/> REPAIRED <input checked="" type="checkbox"/> BENCH TEST <input type="checkbox"/> OTHER <i>lvl 2</i>			TSO <i>NEW 8165</i>		MFG <i>FIAT</i>		CLASS <i>ROT</i>
	DATE <i>01-20-95</i>		INSPECTED BY <i>C. SPRING</i>		VENDOR <i>PWORC</i>		CONTAINER TYPE <i>NIA</i>	
INST	GATEWAY	ACFT/NHA SN	POSITION	LOG PAGE/DOC NO	ITEM	INSTALLED BY	DATE	
	<i>PW</i>	<i>717925</i>	<i>NIA</i>	<i>NIA</i>	<i>NIA</i>	<i>WA20259L</i>	<i>01-20-95</i>	
REMOVED PART	GATEWAY	ACFT/NHA SN	POSITION	LOG PAGE/DOC NO	ITEM	REMOVED BY	DATE	
	<i>PW</i>	<i>717925</i>	<i>NIA</i>	<i>NIA</i>	<i>NIA</i>	<i>WA20259L</i>	<i>10-20-94</i>	
REMOVED PART NUMBER <i>7A2017H</i>			REMOVED SERIAL NUMBER <i>F17925</i>		FLIGHT NO <i>NIA</i>		SCHEDULED REMOVAL <input checked="" type="checkbox"/> N	
REASON FOR REMOVAL (BE SPECIFIC) <i>INSPECT, REPAIR, MODIFIED, REASSEMBLED</i>								
<i>COMPLETE AND FINAL INSPECT.</i>								
							<i>223592</i>	

CUSTOMER CODE 0923

MODEL FM2040

JOB NUMBER 401661 222

TOTAL TIME 8165

TOTAL CYCLES 5987

TIME SINCE OVERHAUL 8165

LINE	QTY	PART-NO	PART NAME	SER NO	PTT	FTC	FTSO INST	REMT	REMC	COMMENTS
F0479	1	001 7A2022	GEARBOX ASSY-MAIN	F17925	8165	5387	8165 06/27/88			
F0482	1	001 7B2105	CASING-ASSY OF ACCESSO	* 0000000218997	8165	5387	8165 06/27/88			
F0540	1	001 7F2092	GEARSHAFT-SPUR G/BOX P	00394	8165	5387	8165 06/27/88			
F0541	1	002 7T7770	BEARING OPTION	1181/1221	0	0	02/02/95			
F0542	1	001 7B2068	GEARSHAFT-DROILER DRIV	* 0000000218900	8165	5387	8165 06/27/88			
F0543	1	001 7F0105	BEARING OPTION	* 0000000218901	8165	5387	8165 06/27/88			
F0544	1	004 7T0110	BEARING-ROLLER	* 0000000218902	8165	5387	8165 06/27/88			
F0545	1	002 7T0103	BEARING-ROLLER	* 0000000218903	8165	5387	8165 06/27/88			
F0546	1	002 7T0101	BEARING-ROLLER	* 0000000218904	8165	5387	8165 06/27/88			
F0547	1	002 7T0102	BEARING-ROLLER	* 0000000218905	8165	5387	8165 06/27/88			
F0548	1	001 7F2052	GEARSHAFT-GRK FUEL PMP	* 0000000218906	8165	5387	8165 06/27/88			
F0549	1	001 7B2004	GEARSHAFT-GRK STRTR DR	* 0000000218907	8165	5387	8165 06/27/88			
F0551	1	001 7T0111	BEARING-ROLLER	* 0000000218908	8165	5387	8165 06/27/88			
F0553	1	001 7F2043	GEARSHAFT-DRIVE IDGS	* 0000000218909	8165	5387	8165 06/27/88			
F0555	1	001 7F2015	GEARSHAFT-GRBK HYD PMP	* 0000000218910	8165	5387	8165 06/27/88			
F0579	1	001 7A0425	PUMP ASSY-OIL	* 0000000218911	8165	5387	8165 06/27/88			
F0580	1	001 7B2300	HOUSING-OIL PUMP DRIVE	* 0000000218912	8165	5387	8165 06/27/88			
F0592	1	001 7F2124	GEAR-OIL PUMP DRIVE	* 0000000218913	8165	5387	8165 06/27/88			
F0593	1	001 7F2125	GEAR-OIL PUMP DRIVEN	* 0000000218914	8165	5387	8165 06/27/88			
F0595	1	001 7T0112	BEARING OPTION	* 0000000218915	8165	5387	8165 06/27/88			
F0596	1	001 7B2031	GEAR-OIL PUMP DRIVE AS	* 0000000218916	8165	5387	8165 06/27/88			

PRATT & WHITNEY  
OVERHAUL & REPAIR CENTER  
MODIFICATION RECORD

ENGINE NUMBER: P717925                      MODEL: PW2040  
JOB NUMBER: 401661                      CUSTOMER CODE: 0923  
DATE: FEBRUARY 2, 1995

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ANGLE GEARBOX MODULE S/N E-17925

PRATT &amp; WHITNEY SERVICE BULLETINS INCORPORATED:

2000-72-0443

PRATT &amp; WHITNEY SERVICE BULLETINS PREVIOUSLY INCORPORATED:

2000-72-0446 R1                      2000-79-0057 R4

MAIN GEARBOX MODULE S/N F-17925

PRATT &amp; WHITNEY SERVICE BULLETINS INCORPORATED:

2000-72-0321 R3                      2000-72-0359                      2000-72-0446 R1

PRATT &amp; WHITNEY SERVICE BULLETINS PREVIOUSLY INCORPORATED:

2000-72-0256 R4                      2000-72-0381 R3

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THE AIRCRAFT ENGINE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION AGENCY AND IS APPROVED FOR RETURN TO SERVICE WITH RESPECT TO THE WORK PERFORMED. PERTINENT DETAILS OF THE WORK PERFORMED ARE ON FILE AT THIS AGENCY UNDER THE JOB ORDER NUMBER SHOWN ABOVE.

SIGNED: Joseph Vaillancourt                      CRS NO. WA2D259L  
PRATT & WHITNEY OVERHAUL & REPAIR CENTER                      CHESHIRE, CT. 06410

END OF REPORT



US Department of Transportation  
Federal Aviation Administration

**MAJOR REPAIR AND ALTERATION  
(Airframe, Powerplant, Propeller, or Appliance)**

Form Approved  
OMB No. 2120-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1 000 for each such violation (Section 901 Federal Aviation Act of 1958).

1. Aircraft	Make	Model
	Serial No	Nationality and Registration Mark
2. Owner	Name (As shown on registration certificate)	Address (As shown on registration certificate)

3. For FAA Use Only

4. Unit Identification				5. Type	
Unit	Make	Model	Serial No	Repair	Alteration
AIRFRAME	~~~~~ (As described in Item 1 above) ~~~~~				
POWERPLANT	Pratt & Whitney	PW2040	P717925	X	X
PROPELLER					
APPLIANCE	Type				
	Manufacturer				

6. Conformity Statement

A. Agency's Name and Address	B. Kind of Agency	C. Certificate No.
Pratt & Whitney 500 Knotter Drive Cheshire, Connecticut 06410-1140	<input type="checkbox"/> U.S. Certificated Mechanic	GRS No. WA2D259L Rating: Powerplant Class III Limited Airframe
	<input type="checkbox"/> Foreign Certificated Mechanic	
	<input checked="" type="checkbox"/> Certificated Repair Station	
	<input type="checkbox"/> Manufacturer	

I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Date	Signature of Authorized Individual
FEBRUARY 2, 1995	<i>Paul Cipollone</i> Paul Cipollone

7. Approval for Return To Service

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is  APPROVED  REJECTED

BY	FAA Fit. Standards Inspector	Manufacturer	Inspection Authorization	Other (Specify)
	FAA Designee	<input checked="" type="checkbox"/> Repair Station	Person Approved by Transport Canada Airworthiness Group	

Date of Approval or Rejection	Certificate or Designation No	Signature of Authorized Individual
FEBRUARY 2, 1995	WA2D259L	<i>J R Bacon</i> J R Bacon

**NOTICE**

*Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.*

**8. Description of Work Accomplished**

*(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)*

Engine Number: P717925	Engine II:	8164:21
	Engine Cycles:	5387
Job Number: 401661	Engine T.S.O.	NEW

February 2, 1995 Subject engine was removed due to performance deterioration EGI limited.

Subject engine was disassembled as necessary to repair. Engine workscope performed was "ESV1", modified, reassembled, tested and accepted in accordance with Pratt & Whitney specifications and E.M. P/N 1A6231, United Parcel Service E.O. 2040-7200-0194 Revision N, "C" checks and Time Controlled Items were accomplished. Engine was borescoped after engine test and found acceptable.

The HPT had Maintenance Level 3 performed.

The following E.O.'s were issued against this engine:

E.O. 2040-7920-5406 Ref. EC 92FC133A

E.O. 2040-7200-6398B Ref. IEN 94FC056 & IEN 94FM232 and 93FC577

UPS FCD No 757-7150-0094-A has been complied with

MPI P-3014 and P-2391 have been closed out.

NOTE: Perform Engine Leak Check prior to flight.

NOTE: QEC was installed after engine test. Functional checks required prior to flight.

NOTE: I.D.G. shipped "dry" flush and service on wing.

NOTE: Oil tank shipped dry service prior to flight.

NOTE: Engine preserved per method # 3, 91 Days Plus.

For A.D.'s. accomplished, see the attached Airworthiness Directive Status.

For Modifications accomplished, see the attached Modification Record.

See the attached FAA 337 Form for High Turbine Module installed.

Serial Number: C17907 Ref. Job No. 410653-001

The following list details the Serial Numbers, Total Time (T.T.), Total Cycles (T.C.), and Time Since Overhaul (T.S.O.) of the modules received on the subject engine.

MODULE	SERIAL NO.	T.T.	T.C.	T.S.O.	TSLVL3
Low Compressor	A17925	8164:21	5387	NEW	8164:21
High Compressor	B17925	8164:21	5387	NEW	8164:21
High Turbine	C17907	9366:58	6596	NEW	6998:22
Low Turbine	D17925	8164:21	5387	NEW	8164:21
Angle Gearbox	E17925	8164:21	5387	NEW	8164:21
Main Gearbox	F17925	8164:21	5387	NEW	8164:21

The following list details the Serial Numbers, Total Time (T.T.), Total Cycles (T.C.), and Time Since Overhaul (T.S.O.) of the modules shipped on the subject engine.

MODULE	SERIAL NO.	Total Time	Total Cycles	T.S.O.	M.L.P.	TSLVL3
Low Compressor	A17925	8164:21	5387	NEW	2	8164:21
High Compressor	B17925	8164:21	5387	NEW	2	8164:21
High Turbine	C17907	9366:58	6596	NEW	3	0.0
Low Turbine	D17925	8164:21	5387	NEW	2	8164:21
Angle Gearbox	E17925	8164:21	5387	NEW	2	8164:21
Main Gearbox	F17925	8164:21	5387	NEW	2	8164:21

M.L.P. = Maintenance Level Performed

Subject engine is approved for return to service with respect to the work performed.

End

Additional Sheets Are Attached

MAJOR ASSEMBLY RECORDS SYSTEM

ENGINE NUMBER 0717925

CUSTOMER CODE 0923 MODEL PW2040 JOB NUMBER 903639 222

TOTAL TIME 1166 TOTAL CYCLES 894 TIME SINCE OVERHAUL 1166

LINE	UNQ	QTY	PART-NO	PART NAME	SER NO	PTT	PTC	PTSO	INST	REMT	REMC	COMMENTS
F0479	1	001	7A2017H	GEARBOX ASSY-MAIN	F17925	1166	894	1166	06/27/88			
F0482	1	001	7B2105	CASING-ASSY OF ACCESSO	* 0000000218897	1166	894	1166	06/27/88			
F0540	1	001	7P2092	GEARSHAFT-SPUR G/BOX P	* 0000000218898	1166	894	1166	06/27/88			
F0541	1	002	7T0107	BEARING OPTION	* 0000000218899	1166	894	1166	06/27/88			
F0542	1	001	7B2068	GEARSHAFT-DEOILER DRIV	* 0000000218900	1166	894	1166	06/27/88			
F0543	1	001	7T0105	BEARING OPTION	* 0000000218901	1166	894	1166	06/27/88			
F0544	1	004	7T0110	BEARING-ROLLER	* 0000000218902	1166	894	1166	06/27/88			
F0545	1	002	7T0103	BEARING-ROLLER	* 0000000218903	1166	894	1166	06/27/88			
F0546	1	002	7T0101	BEARING-ROLLER	* 0000000218904	1166	894	1166	06/27/88			
F0547	1	002	7T0102	BEARING-ROLLER	* 0000000218905	1166	894	1166	06/27/88			
F0548	1	001	7P2052	GEARSHAFT-GBX FUEL, PMP	* 0000000218906	1166	894	1166	06/27/88			
F0549	1	001	7B2004	GEARSHAFT-GBX STRTR DR	* 0000000218907	1166	894	1166	06/27/88			
F0551	1	001	7T0111	BEARING-ROLLER	* 0000000218908	1166	894	1166	06/27/88			
F0553	1	001	7P2043	GEARSHAFT-DRIVE IDGS	* 0000000218909	1166	894	1166	06/27/88			
F0555	1	001	7P2015	GEARSHAFT-GRBX HYD PMP	* 0000000218910	1166	894	1166	06/27/88			
F0579	1	001	7A0425	PUMP ASSY-OIL	* 0000000218911	1166	894	1166	06/27/88			
F0580	1	001	7B2300	HOUSING-OIL PUMP DRIVE	* 0000000218912	1166	894	1166	06/27/88			
F0592	1	001	7P2124	GEAR-OIL PUMP DRIVE	* 0000000218913	1166	894	1166	06/27/88			
F0593	1	001	7P2125	GEAR-OIL PUMP DRIVEN	* 0000000218914	1166	894	1166	06/27/88			
F0595	1	001	7T0112	BEARING OPTION	* 0000000218915	1166	894	1166	06/27/88			
F0596	1	001	7B2031	GEAR-OIL PUMP DRIVE AS	* 0000000218916	1166	894	1166	06/27/88			