



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	JT9D-7J ENGINE	P-685969	X	
PROPELLER					
APPLIANCE	Type				
	Manufacturer				

6. Conformity Statement

A. Agency's Name and Address BEDEK AVIATION GROUP, ISRAEL AIRCRAFT IND. LTD. BEN GURION INTERNATIONAL AIRPORT] I S R A E L.	B. Kind of Agency	C. Certificate No. <b>MK1Y325K</b> L-AF L-PP L-PRP L-LG L-NDT L-EE
	U S Certificated Mechanic	
	Foreign Certificated Mechanic	
	X Certificated Repair Station	
	Manufacturer	

D. 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 <b>NOV. 27, 2003</b>	Signature of Authorized Individual <b>H. ZUSIM</b> <i>H. Zusim</i>
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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	X Repair Station	Person Approved by Transport Canada Airworthiness Group	

Date of Approval or Rejection <b>NOV. 27, 2003</b>	Certificate or Designation No. <b>MK1Y325K</b>	Signature of Authorized Individual <b>D. HAVIV.</b> <i>D. Haviv</i>
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**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.)

<b>Engine Model.:</b>	<b>JT9D-7J</b>	<b>Serial No.:</b>	<b>P-685969</b>
<b>Manufacturer.:</b>	<b>P&amp;W</b>	<b>Customer.:</b>	<b>POLAR AIR</b>
<b>Time Since New.:</b>	<b>75035.69</b>	<b>Cycles Since New.:</b>	<b>18926</b>

**REASON FOR REMOVAL: HIGH OIL CONSUMPTION**

THIS ENGINE WAS DISASSEMBLED AS NECESSARY TO ACCOMPLISH THE FOLLOWING WORKSCOPE:  
**WORK ACCOMPLISHED AT THIS SHOP VISIT:**

**FAN ROTOR ASSEMBLY S/N: 85782 T.T.: 1751.35 T.C.: 394**  
THE MODULE WAS VISUALLY INSPECTED IN ASSY CONDITION.

**FAN CASE ASSEMBLY S/N: H95729 T.T.: 1751.35 T.C.: 394**  
THE MODULE WAS VISUALLY INSPECTED IN ASSY CONDITION

**LPC MODULE S/N: A62609 T.T.: 80041.69 T.C.: 18010**  
THE MODULE WAS VISUALLY INSPECTED IN ASSY CONDITION.

**INTERMEDIATE CASE MODULE S/N: J85696 T.T.: 1751.35 T.C.: 394**  
THE MODULE WAS DISASSEMBLED. CLEANED AND INSPECTED.  
INTERMEDIATE CASE FOUND WITH CRAKES ON DOGHOUSE  
REPLACED INTERMEDIATE CASE  
INSTALLED **P/N: 670676 S/N: AD7527** IN OVERHAULED CONDITION.  
THE MODULE REASSEMBLED AND CHECKED FOR LEAKAGE.

**HPC MODULE S/N: B0186A T.T.: 69154.69 T.C.: 16075**  
THE MODULE WAS VISUALLY INSPECTED IN ASSY CONDITION  
S.B.'S INCORPORATED: A5156.  
S.B.'S PREVIOUSLY INCORPORATED: 5456.

**DIFFUSER MODULE S/N: K62757 T.T.: 79985.69 T.C.: 18071**  
THE MODULE WAS VISUALLY INSPECTED IN ASSY CONDITION.

**HPT MODULE S/N: C85705 T.T.: 58735.38 T.C.: 16796**  
THE MODULE WAS VISUALLY INSPECTED IN ASSY CONDITION.

**LPT MODULE S/N: D0608A T.T.: 28463.69 T.C.: 4979**  
THE MODULE WAS VISUALLY INSPECTED IN ASSY CONDITION.

Additional Sheets Are Attached



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1. Aircraft	Make	Model
	Serial No.	Nationality and Registration Mark
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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	JT9D-7J ENGINE	P-685969	X	
PROPELLER					
APPLIANCE	Type				
	Manufacturer				

6. Conformity Statement

A. Agency's Name and Address BEDEK AVIATION GROUP, ISRAEL AIRCRAFT IND. LTD. BEN GURION INTERNATIONAL AIRPORT] I S R A E L.	B. Kind of Agency	C. Certificate No. <b>MK1Y325K</b> L-AF L-PP L-PRP L-LG L-NDT L-EE
	U.S. Certificated Mechanic	
	Foreign Certificated Mechanic	
	X Certificated Repair Station	
	Manufacturer	

D. 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 NOV. 27, 2003	Signature of Authorized Individual H. ZUSIM <i>H. Zusim</i>
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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 FII Standards Inspector	Manufacturer	Inspection Authorization	Other (Specify)
	FAA Designee	X Repair Station	Person Approved by Transport Canada Airworthiness Group	

Date of Approval or Rejection NOV. 27, 2003	Certificate or Designation No. MK1Y325K	Signature of Authorized Individual D. HAVIV. <i>[Signature]</i>
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### 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 Model.:** JT9D-7J **Serial No.:** P-685969

**EXHAUST MODULE** S/N: FP8797 T.T.: 1751.35 T.C.: 394  
THE MODULE WAS VISUALLY INSPECTED IN ASSY CONDITION.

**AGB MODULE** S/N: E0900A T.T.: 22104.69 T.C.: 3801  
VISUALLY INSPECTED IN ASSY. CONDITION.  
LEAK CHECK PERFORMED.

**MGB MODULE** S/N: F62655 T.T.: 1751.35 T.C.: 394  
VISUALLY INSPECTED IN ASSY. CONDITION,

#### MODULES OUTGOING:

MODULE	S/N	T.T.	T.C.	T.S.O	C.S.O	WORKSCOPE
FAN ROTOR	85782	1751.35	394	1751.35	394	VISUAL INSP.
FAN CASE	H95729	1751.35	394	1751.35	394	VISUAL INSP.
LPC	A62609	80041.69	18010	1751.35	394	VISUAL INSP.
INTERMEDIATE	J85696	1751.35	394	1751.35	394	REPAIR.
HPC	B0186A	69154.69	16075	1751.35	394	VISUAL INSP.
DIFFUSER	K62757	79985.69	18071	1751.35	394	VISUAL INSP.
HPT	C85705	58735.38	16769	11510.38	2812	VISUAL INSP.
LPT	D0608A	28463.69	4979	1751.35	394	VISUAL INSP.
EXHAUST	FP8797	1751.35	394	1751.35	394	VISUAL INSP.
AGB	E0900A	22104.69	3801	1751.35	394	VISUAL INSP.
MGB	F62655	1751.35	394	1751.35	394	VISUAL INSP.

FOR A.D. STATUS: SEE A.D. LIST ATTACHED

THE WORK AND SUBSEQUENT ENGINE TEST WAS ACCOMPLISHED IAW THE REQUIREMENTS OF THE RELEVANT PRATT & WHITNEY ENGINE MANUAL P/N: 646028 REV. 113 AND CUSTOMER WORKSCOPE.

RELEVANT DETAILS OF WORK CARRIED OUT ON THIS ENGINE ARE HELD BY ENGINES DIVISION, BEDEK AVIATION GROUP, ISRAEL AIRCRAFT INDUSTRIES LTD, BEN GURION INTERNATIONAL AIRPORT, ISRAEL, IN THEIR WORK RECORD NO: 2003E799

Additional Sheets Are Attached

UNIT SERIAL NBR ENG MOD MT SERIAL NBR  
SERIAL NBR T JT9D 685969 7J UA 73267 18529

POWER RATING CUST UNIT UNIT  
RATING CODE TSN CSN

FUNCTION LIFE LIMIT SUMMARY BY NHA

NHA NAME FAN ROTOR MODUL G 85782	FUNG POS	SERIAL NBR PART NUMBER	DATE ONLOG	FUNCTION ACCUMULATIONS	LIMIT TYPE	LIMIT VALUE	REMAIN- ING VALUE	STATED LIMIT IN ENG VALUE
09086 037 FAN BLD ASSY	BM2705 771841	07/20/00	UNK TSN 00015 CSDPI	UNK CSN 00067 TSNDT	A TSDPI B TSDPI	10000 08000	09933 07933	T 083200 T 081200
09086 038 FAN BLD ASSY	BM4020 771841	07/20/00	UNK TSN 00015 CSDPI	UNK CSN 00067 TSNDT	A TSDPI B TSDPI	10000 08000	09933 07933	T 083200 T 081200
09086 039 FAN BLD ASSY	EB3688 769941	07/20/00	UNK TSN 00015 CSDPI	UNK CSN 00067 TSNDT	A TSDPI B TSDPI	10000 08000	09933 07933	T 083200 T 081200
09086 040 FAN BLD ASSY	AR4022 771841	07/20/00	UNK TSN 00015 CSDPI	UNK CSN 00067 TSNDT	A TSDPI B TSDPI	10000 08000	09933 07933	T 083200 T 081200
09086 041 FAN BLD ASSY	BF1825 771841	07/20/00	UNK TSN 00015 CSDPI	UNK CSN 00067 TSNDT	A TSDPI B TSDPI	10000 08000	09933 07933	T 083200 T 081200
09086 042 FAN BLD ASSY	BU9592 771841	07/20/00	UNK TSN 00015 CSDPI	UNK CSN 00067 TSNDT	A TSDPI B TSDPI	10000 08000	09933 07933	T 083200 T 081200
09086 043 FAN BLD ASSY	BF5467 771841	07/20/00	UNK TSN 00015 CSDPI	UNK CSN 00067 TSNDT	A TSDPI B TSDPI	10000 08000	09933 07933	T 083200 T 081200
09086 044 FAN BLD ASSY	BU8382 771841	07/20/00	UNK TSN 00015 CSDPI	UNK CSN 00067 TSNDT	A TSDPI B TSDPI	10000 08000	09933 07933	T 083200 T 081200
09086 045 FAN BLD ASSY	WR0913 769941	07/20/00	20428 TSN 00015 CSDPI	03527 CSN 00067 TSNDT	A TSDPI B TSDPI	10000 08000	09933 07933	T 083200 T 081200
09086 046 FAN BLD ASSY	AM8013 771841	07/20/00	UNK TSN 00015 CSDPI	UNK CSN 00067 TSNDT	A TSDPI B TSDPI	10000 08000	09933 07933	T 083200 T 081200
09086 001 HUB F COMP	G74706 778631	07/20/00	65751 TSN 00015 CSDPI	10142 CSN 00067 TSNDT	H CSN B CSDPI B CSNDT	15000 00001 00001	04858 ***** *****	C 023387 C ***** C *****

OPERATED POWER RATINGS 7J 7A

IIN	P/N	S/N	Component Name	TMT	TMC	TSLVL1		TSLVL2		TSLVL3		Soft Time	Limit Remaining	HRS	CYC
						TSR	TEC	TET	TAT	TAC	CSR				
0002F	1	1F5969	FAN HUB MODULE	73267:00	18529	67:00	15	67:00	15	67:00	15	10000:00	9933:00	0	0
** PREVIOUSLY TRACKED AS G85782 TMT/TMC UNKNOWN															
A9008	A	A62609	LOW COMPRESSOR MODULE	78273:00	17613	67:00	15	67:00	15	67:00	15	8000:00	7933:00	0	0
** PREVIOUSLY TRACKED AS F62609															
B9149	B	B0186A	HIGH COMPRESSOR MODULE	67386:00	15678	67:00	15	67:00	15	67:00	15	15000:00	14933:00	0	0
C9345	C	C89577	HIGH TURBINE MODULE	73267:00	18529	67:00	15	67:00	15	67:00	15	6000:00	5933:00	0	0
** TMT/TMC UNKNOWN															
D9375	D	D0608A	LOW TURBINE MODULE	26695:00	4582	67:00	15	67:00	15	67:00	15	12000:00	11933:00	0	0
E9480	E	E0900A	ANGLE GEARBOX MODULE	20336:00	3404	67:00	15	67:00	15	67:00	15	10000:00	9933:00	0	0
F9479	F	F62655	MAIN GEARBOX MODULE	73267:00	18529	67:00	15	67:00	15	67:00	15	10000:00	9933:00	0	0
** TMT/TMC UNKNOWN															
G9252	G	G85969	DIFFUSER CASE MODULE	78017:00	17674	67:00	15	67:00	15	67:00	15	10000:00	9933:00	0	0
** PREVIOUSLY TRACKED AS D62757															
G9255	G1	G15969	COMBUSTION SECTION	78017:00	17674	67:00	15	67:00	15	67:00	15	6000:00	5933:00	0	0
** PREVIOUSLY TRACKED AS U85969 TMT/TMC UNKNOWN															
H9127	H	H85969	INTERMEDIATE CASE MODULE	73267:00	18529	67:00	15	67:00	15	67:00	15	10000:00	9933:00	0	0
** TMT/TMC UNKNOWN															

22750

\*\* STATUS @ TRANSITION