

AIRCRAFT DESCRIPTION

MANUFACTURER Express Aircraft Company MODEL 2000 RG DATE OF MFG. 4/2008
SERIAL NUMBER 0101RG REGISTRATION NUMBER N 44508

REGISTERED OWNER John G. and Claudia Burr

STREET ADDRESS

CITY, STATE, ZIP

OPERATOR

STREET ADDRESS

CITY, STATE, ZIP

REGISTERED OWNER

STREET ADDRESS

CITY, STATE, ZIP

OPERATOR

STREET ADDRESS

CITY, STATE, ZIP

Inspection Status (Check one)



F.A.R. 91.409 ANNUAL/100 HOUR



F.A.R. 91.409 PROGRESSIVE



F.A.R. 135.419 A.T.C.O.



OTHER

DATE ENTERED

MAINTENANCE RESPONSIBILITY

INSTALLED EQUIPMENT

MANUFACTURER

Pratt + Whitney

Hartzell

MODEL

T74-CP-700
PTGA-20

SERIAL NO.

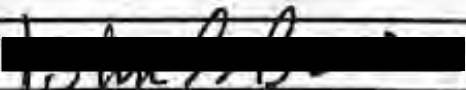
SERIAL N
PCE 30043

HC-B3TN-3ACX

C 6964A

INSPECTION RECORD

F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION-STATUS & DISCREPANCY LIST SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE
10/1/08	25.0	I certify that the prescribed flight Test hours have been completed and the aircraft is controllable throughout its normal range of speeds and throughout all maneuvers to be executed, has no hazardous operating characteristics or design features, and is safe for operation. The following aircraft operating data has been demonstrated during the flight Testing: speed V_{SO} 65 KT, V_X 100 KT, V_Y 120 KT, and the weight ~~4700~~³⁸⁰⁰ and CG location 80.4% ^{MAC} at which they were obtained.
		, Builder 

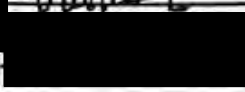
INSPECTION RECORD

F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION-STATUS & DISCREPANCY LIST SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE
5/10/09	32.0	I certify that this aircraft has been inspected
		on 5/10/09 in accordance with the scope
		and detail of appendix D To part 43, and
		was found To be in a condition for safe
		operation.
		[Redacted Signature] Builder
1/6/2014	40.0	I certify that this aircraft has been inspected
		on 1/6/2014 in accordance with the scope and
		detail of appendix D To part 43, and found
		To be in a condition for safe operation.
		[Redacted Signature] Builder
5/26/2015	47.5	I certify that this Aircraft has been inspected ^{on 5/26/2015} in accordance
		with the ^{scope and detail of the} FAA Approved Maintenance + Inspection Program
		dated 1/1/2015 for this Aircraft and is found To be in a condition for
		Safe Operations. [Redacted Signature] Builder

INSPECTION RECORD

F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION-STATUS & DISCREPANCY LIST SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE
		I find that the aircraft meets the requirements for the certificate requested and have issued a Special Airworthiness Certificate and Amended Operating Limitations dated <u>04 NOV 2015</u>. No aircraft inspection is required for this "administrative paperwork action" per FAA Order 8130.2H, para. 217(b)(1)(e)(5)  James D. Brownell / Aviation Safety Inspector NEVADA FSDO / LAS VEGAS OFFICE - WP-19
11/14/2016	48.0	I certify that this aircraft has been inspected on 11/14/2016 in accordance with the scope and detail of the "Maintenance and Inspection Program" FSDO-approved program dated 11/05/2016 and found to be in a condition for safe operation.  Builder 

INSPECTION RECORD

F.A.R. 43.11-91.409

Aircraft Total Time 53.8

16 January 2018

I certify that the prescribed flight test hours have been completed and the aircraft is controllable throughout its normal range of speeds and throughout all maneuvers to be executed, has no hazardous operating characteristics or design features, and is safe for operation. The following aircraft operating data has been demonstrated during flight testing: speeds V_{so} 65, V_x 100, V_y 120, and the weight of 4670, and CG location 88.65" at which they were obtained.

John Burr, Builder, [REDACTED]

INSPECTION-STATUS & DISCREPANCY LIST
PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE



DATE: 3/26/19
MODEL: EXPRESS 2000 RG
S/N: 0101RG

1 Lodestar Ave | Harlingen, TX 78550
Ph. (956) 421-4545 | F. (956) 421-4677

REG NO: N44508
AFTT: 154.01
Hobbs: 154.01

Performed a conditional inspection on this Airframe using FAR 43 Appendix D as a checklist. Serviced the landing gear hydraulic reservoir with 5606. Performed the inspection of the ELT per 91.207(d). Replaced the batteries with new U10029 batteries. New ELT battery replacement date is **May/2023**. Repositioned the LH main landing light switch for better contact with the gear in the up position. Replaced the LH tire/tube with new tire P/N: AA1F4 / tube P/N: 15X600-6. Adjusted the RH elevator as per customer request. Tightened fuel lines on the aircraft belly. Spot painted several areas on the wings, fuselage and stabilizers. Aircraft was physically weighed this date and the results are as follow: **Nose: 425 LH Main: 1185 RH Main: 1157. Basic Empty Weight: 2,767 Empty Moment: 211,937.50.** Installed new roll pin on the RH entrance door latch. I certify that this **Airframe** has been inspected in accordance with a **Conditional Inspection** and is found to be airworthy. End.

Rolando Rodriguez A&P

2 October 2020 TTAf 433.7
Replaced elbow PN 19670-0000-00 and CPC twist lock
PN 19053-0001-00 on pilot's oxygen distributor.
Cleaned, inspected and packed nose wheel bearings.
Replaced 6 ply nose tire Air Hawk 5.00-5 PN 06-07700
SN B3D43620 and tube PN 06-08300, serviced to 40#.
Replaced 6 ply main tires Goodyear Flight Special
15/600-6 PN 06-01471, SN 80275791R1 and
8074584R1 and tubes PN 06-08901, serviced to 50#.
All tires/tubes leak checked good.

Anthony Cirincione, Mechanic

AFTT 529.3

4 March 2021

Replaced fuel filter PN S3232. Replaced oil filter PN 17579522AM. Removed and reinstalled oxygen cylinder after hydrostatic inspection by Fire-Tec Aero Services. Serviced hydraulic reservoir with Mil-H-5606. Replaced brake pads both wheels with Matco Kit BRL-6. Replaced latch on oil access door Hartwell PN H-5100-2. Complied with AD2017-16-01 and 91.207(d) ELT Inspection, **replace battery NLT 5/31/23**. Complied with Garmin GTN7XX Mx Manual ICA 190-01007-A1 Rev 11 and GTX3X5 Mx Manual ICA 190-00734-11 Rev 6 visual inspections. I certify this aircraft was inspected per the 200-hour inspection as specified in the approved program: John G. Burr Express Series 2000RG, serial 0101RG, revision 1 dated 9/21/2020 and was found to be in a condition for safe operation.

Anthony Cirincione

A&P

Lancair International

Uvalde, TX 78801

TEL

NCY LIST
VING AIRCRAFT FO

16-Feb-2022 N44508 Turbine Express 2000 RG S/N: 0101RG Hours: 756.4 Cyc: 361

Performed Condition Inspection IAW 200/400 hour checklist. Lubricated all hinges and bellcranks. Replaced Gear up pressure switch with new P/N: PS550. Performed gear swings, adjusted down lock indication switches and gear doors for alignment. Inspected ELT IAW FAR 91.207. AD 2022-03-15 found to be N/A by installation. Complied with Garmin SB NO.: 2141 Reb B Installed new engine chip detector light P/N: MS25041-8 in panel, added associated wiring. Ops check OK. Adjusted flap position switches for proper function. Ops check OK. ELT inspected, Ops check good, Battery good through FEB 2024. Complied with Garmin G3X and GTN750 24 month inspections. Treated fuel system with BioborJF. I certify that this aircraft has been inspected on **16-Feb-2022** in accordance with the scope and detail of appendix D to FAR Part 43, and was found to be in a condition for safe operation.

END

Joshua Johnson

AP

PCE-30043

ENGINE LOG
EF5-1

ENGINE DESCRIPTION

MANUFACTURER PRATT & Whitney MODEL T74CP700

SERIAL NUMBER PCE 30043 DATE OF MANUFACTURE _____

RATED BHP _____ RPM _____ MANIFOLD PRESSURE _____

FUEL REQUIRED OCTANE/PERFORMANCE _____

REGISTERED OWNER _____

STREET & NO. _____

CITY, STATE, ZIP _____

REGISTERED OWNER _____

STREET & NO. _____

CITY, STATE, ZIP _____

RYDER Aviall

CERTIFICATE NO. YRRR491L

MANUFACTURER PRATT & WHITNEY	UNIT NAME ENGINE	TYPE/MODEL T74CP700	SERIAL NUMBER PCE30043
TSN 5535.40	TSO 2730.40	CSN 4745	CSO 1940

OVERHAUL ☐

REPAIR ☒

INSPECTED AND REPAIRED FOR LOOSE CHIP DETECTOR HELICOIL. ACCOMPLISHED 100 HOUR INSPECTION I.A.W. RYDER AVIALl WORK SPECIFICATION #AS-PR-PT6A-ALL. TESTED I.A.W. MANUFACTURERE'S SPECIFICATION AND PRESERVED I.A.W. OVERHAUL MANUAL. TURBINE VANE RING AREAS: NOT DISASSEMBLED.

THIS ENGINE OR APPLIANCE HAS BEEN REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THIS REPAIR ARE ON FILE AT THIS REPAIR STATION UNDER WORK ORDER NO. FR8842

DATE:

2/26/93

SIGNATURE:

Ryder Aviall, Inc.,

INSPECTION & MAINTENANCE RECORD

8/18/18 TSOH 116.97, CSOH 73
Replaced tachometer generator with
PN 3010820-A, SN 3292 overhauled by
S&T Aircraft Accessories, Inc on 6/2/94
work order 12808. Installed with new
gaskets MS-9134-01. Ops check good.

Anthony J. Cirincione [REDACTED] Mechanic

ON OR MAINTENANCE PERFORMED
AGENCY & CERTIFICATE NO.



DATE: 3/26/19
MODEL: PT6-T74-CP700
S/N: PC-E30043

1 Lodestar Ave | Harlingen, TX 78550
Ph. (956) 421-4545 | F. (956) 421-4677

REG NO: N44508
ETT: 2737
Hobbs: 154.01

Performed a conditional inspection on this Engine using FAR 43 Appendix D as a checklist. Removed the engine oil filter and installed new filter P/N: 7579522AM. Replaced the firewall mounted fuel filter with new P/N: S3232. I certify that this Engine has been inspected in accordance with a **Conditional Inspection** and is found to be airworthy. End.

Rolando Rodriguez A&P [REDACTED]



PRIME TURBINES, LLC.
FAA REPAIR STATION 5TPR585C
3130 N. OAKLAND STE. 104 • MESA, AZ 85215 USA
TEL: (480) 428-6341 FAX: (480) 219-3587

Details regarding the work performed are on file at Prime Turbines, LLC. under the W/O number M5F1012.
Performed in-service borescope inspection on engine T74-CP-700 SN PCE-30043. No defects noted. All work performed IAW
Customer supplied copy of Pratt & Whitney MM 3015442 REV 33 dated July 10, 2017. Work performed at engine TSN: 6,207.8 CSN:
6,212. END

SIGNATURE:

DATE: 10/30/2017



8 August 2019 TSHSI 224.4, CSOH 155
Removed glow plug ignition and installed spark ignition
IAW P&WC SB1429R3. Ops check good.

Anthony Cirincione, Mechanic

17 August 2019 TSHSI 225.3, CSOH 157
Replaced leaking oil temperature probe with new
Electronics International PN P-112. Flight 0.6 hours leak
and ops check good.

Anthony Cirincione, Mechanic

4 November 2020 TTAF 458.7
Complied with a 400 hour inspection per PWC 301402
Starter/generator gearshaft wear check, thermocouple
harness, igniter and exhaust duct functional test all
satisfactory. Cleaned fuel pump filters and fuel nozzles.

Anthony Cirincione, Mechanic

Lancair International
122 Howard Langford Drive
Uvalde, TX 78801
TEL (830) 423-3005

5-Feb-2020 N44508 P/N: PT6 S/N: PCE30043 TSMO: 3671.6 Total Cycles: 2825

Performed 200HR/condition inspection on engine. Cleaned all fuel nozzles. Replaced all fuel rail O-Rings P/N: AS3209-09. Replaced all Gaskets 05-07317. Replaced fuel filter P/N: S3232 Replaced Oil filter P/N: PT17579522AM. Changed and serviced oil with AeroShell 560. Lubricated all engine controls. Inspected compressor blades for damage, no defects noted. I certify that this engine has been inspected on 6-Feb-2020 in accordance with the scope and detail of Appendix D to FAR Part 43, and was found to be in a condition for safe operation.

END

Joshua Johnson
AP [REDACTED]



DATE: 1/4/2020
MODEL: PT6-T74-CP700
S/N: PC-E30043

1 Lodestar Ave | Harlingen, TX 78550
Ph. (956) 421-4545 | F. (956) 421-4677

REG NO: N44508
ETT: 3041.67
Hobbs: 458.68

Removed 1 o'clock fuel nozzle and performed boroscope inspection of the hot section. No issues were noted. Inspected compressor blades and no issues were noted. Performed engine run and no leaks were noted. End.

Rolando Rodriguez A&P [REDACTED]

CORD

PERFORMED
NO.

4 March 2021

TTSN 6732.9 TTSO 3927.9

CSN 5703

CSO 3898

Cleaned fuel nozzles. Replaced o-rings PN AS3209-09, gaskets PN 05-07317, fuel filter PN S3232, oil filter PN 17579522AM. Serviced engine with AeroShell 560. Lubricated all engine controls. Complied with AD2002-23-13 Exhaust Duct Weld Inspection. Ran engine, leak and ops check good. I certify this engine was inspected per the 200-hour inspection as specified in the approved program: John G. Burr Express Series 2000RG, serial 0101RG, revision 1 dated 9/21/2020 and P&W MM PN 3015442 Rev 21 and was found to be in a condition for safe operation.

Anthony Cirincione

A&P

Lancair International

Uvalde, TX 78801

TEL

16-Feb-2022 N44508 PT6-T74-CP-700 S/N: PC-E30043

TSN: 6960.0 CSN: 5809 TSO: 4155.0 CSO: 3004 TSHS: 756.4 CSH: 361

Inspected engine IAW 200/400 hour checklist. Replaced Rubber seals on intake plenum. Repaired crack in LH intake plenum IAW AC 43.13 Standard Sheetmetal Practices. Replaced oil filter with new P/N: 1761864. Existing oil filter sent to AvLabs for analysis. Serviced oil with AeroShell 560. Replaced oil filter with new P/N: S3232

I certify that this engine has been inspected on 16-Feb-2022 in accordance with the scope and detail of appendix D to FAR Part 43, and was found to be in a condition for safe operation.

END

Joshua Johnson

AP