


Honeywell International Inc.
Engines & Systems
P.O. Box 52181
Phoenix, Arizona 85072-2181

MRV
RD10312978
INSP Nov 23/00 

Gas Turbine ENGINE LOG BOOK

ENGINE, GAS TURBINE

PART NO. WE3800714-1

MODEL NO. RE220 BX

SERIAL NO. P-189

Important Instructions

10312978

This log book must remain with the engine and accompany the engine to Overhaul or Exchange. A complete record of engine operation must be entered in accordance with the instructions below.

- 1) Make an entry for each day of regular operation, or each period of intermittent operation.
- 2) On every entry, show total accumulated hours of operation (hour meter reading or computation) and total accumulated engine starts (start-counter reading or computation). If estimated add suffix "est".
- 3) Record any unusual condition noticed during operation (for example: low oil pressure, high EGT, etc..
- 4) List any repairs, adjustments, or maintenance performed (including oil added or changed and type of oil).
- 5) Note all scheduled inspections performed and any abnormalities found.
- 6) Record part numbers and serial numbers, if any, of major parts replaced.
- 7) Date and sign each entry.

On the last four pages of the book, enter SERVICE BULLETINS which have been accomplished.

For assistance with operational or maintenance problems, contact the Honeywell Service Representative in your area.

Additional log books can be obtained through Honeywell Customer Support Department.

10312978

Engine Data

MODEL NO.

RE220 GX

SERIAL NO.

P-189

DELIVERY DATE

APPLICABLE INSTRUCTION MANUALS

OPERATOR

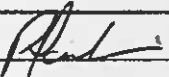

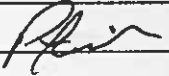

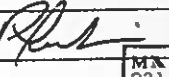

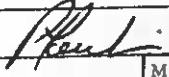

| DATE | ACCUMULATED ENGINE HOURS | ACCUMULATED ENGINE STARTS | REMARKS, INSPECTIONS, REPAIRS AND ADJUSTMENTS | SIGNATURE |
|-------------|--------------------------|---------------------------|---|--------------------------------------|
| 11-17-00 | 0 | 0 | WE380074-1 NEW PRODUCTION UNIT | P-189 SERIES 9 CHANGE |
| 23 NOV 2000 | 0 | 0 | Received at BOMBARDIER INC. | DOT. APP. No. 1258 DH 498 GAD5 |
| | | | Signature: | McCormell |

APU S/N: P-189 A/C 9081

| | | |
|-------|--------|---|
| HOURS | CYCLES | 08 DECEMBER 2000, THIS UNIT INSTALLED ON AIRCRAFT MODEL BD-700-1A10, S/N: 9081 AT 0.0 AIRFRAME HOURS. |
| 0.0 | 0.0 | CAT 2, Authorized Signatory, Co. App. #12-58: <i>[Signature]</i> /stamp DH 498 /date 19 JAN 2001 |
| HOURS | CYCLES | APU SERVICED WITH EXXON 2380 OIL. |
| 0.0 | 0.0 | CAT 2, Authorized Signatory, Co. App. #12-58: <i>[Signature]</i> /stamp DH 498 /date 19 JAN 2001 |

| | | |
|-------|--------|--|
| HOURS | CYCLES | IGNITION UNIT P/N WE3876295-3, S/N 000218017548 REMOVED AND REPLACED WITH S/N 000218019161, 06 JANUARY 2001 (REMOVED SERVICEABLE FROM APU S/N P-191) IAW MM 49-41-01-000-801 AND MM 49-41-01-100-801 AS DETAILED ON BOI PAGE 1 OF 2 (REAR FUSE). |
| 0.0 | 0.0 | CAT 2, Authorized Signatory, Co. App. #12-58: <i>[Signature]</i> /stamp DH 517 /date 23 JAN 2001 |

| | | |
|-------|--------|---|
| HOUR | CYCLES | APU RECORD TIME SINCE NEW AND CYCLES SINCE NEW. |
| 34.54 | 52 | CAT 2, Authorized Signatory, Co. App. #12-58: <i>[Signature]</i> /stamp DH 517 /date 29 JAN 2001 |

| DATE | ACCUMULATED ENGINE HOURS | ACCUMULATED ENGINE STARTS | REMARKS, INSPECTIONS, REPAIRS AND ADJUSTMENTS | SIGNATURE |
|-------------|--------------------------------|---------------------------------|--|---|
| 1 MARCH-02 | | | APU PRESERVATION CARRIED OUT I.A.W. AMM 10-15-00-620-801 AT MARSHALL AEROSPACE ON 1 MARCH 2001, FOR DETAILS REFER TO MARSHALL AEROSPACE SCHEDULE OF WORK MA/I/A3QC. |   CAA 00031 |
| 16 MARCH 02 | | | APU DEPRESERVATION CARRIED OUT I.A.W. AMM 10-32-00-630-801 AT MARSHALL AEROSPACE ON 16 MARCH 2002, FOR DETAILS REFER TO MARSHALL AEROSPACE SCHEDULE OF WORK MA/I/A3QC. |   CAA 00031 |
| 23 July-02 | 105 | 132 | HRS/CYCLES UPDATE WHILE AT MARSHALL AEROSPACE BETWEEN 13 FEB-01 TO 23 JULY-02 |   CAA 00031 |
| 10 SEPT-02 | 115 | 145 | HRS/CYCLES UPDATE WHILE AT MARSHALL AEROSPACE BETWEEN 23 JULY-02 TO 10 SEPT-02 |   CAA 00031 |

10312978

| DATE | ACCUMULATED ENGINE HOURS | ACCUMULATED ENGINE STARTS | REMARKS, INSPECTIONS, REPAIRS AND ADJUSTMENTS | SIGNATURE |
|------|--------------------------|---------------------------|---|-----------|
|------|--------------------------|---------------------------|---|-----------|

06 Apr 2003 139.0 182

A/C TYPE & MODEL: BD-700-1A10
 A/C SERIAL NUMBER: 9081
 A/C REGISTRATION: C-GZTZ
 A/C HRS/LANDINGS: 69.7 HRS / 17 LDGS
 DATE: April 06, 2003



**BOMBARDIER
AEROSPACE**

WORK REPORT AND LOG BOOK ENTRY

The following work carried out at this time:

- Miscellaneous items rectified at this time, detail on file at this agency under production order 9081CA and 9081GA.

The following parts replaced and tested at this time:

| Description | Part Number off | Part Number on | Serial Number off | Serial Number on | Condition |
|-------------|-----------------|----------------|-------------------|------------------|---------------------------------|
| APU FADEC | 2118990-3 | 2118990-3 | 50-K0012 | 91-K0050 | SER/USED (TSN: 32.45 / CSN: 55) |

- APU fault during run up. APU FADEC replaced IAW Task 49-61-01-000-801 & 49-61-01-400-801 and tested serviceable IAW Task 49-61-00-400-801.
- All systems disturbed by the work carried out at this time, ground function checked and found serviceable.

The maintenance described herein has been performed in accordance with the applicable airworthiness and manufacturer's requirements.

Signature: _____



Maurice Aghoton, Approved Signatory
Transport Canada AMO 25-97

--- END ---

| DATE | ACCUMULATED ENGINE HOURS | ACCUMULATED ENGINE STARTS | REMARKS, INSPECTIONS, REPAIRS AND ADJUSTMENTS | SIGNATURE |
|------|--------------------------|---------------------------|---|-----------|
|------|--------------------------|---------------------------|---|-----------|

10 APR. 03 146 198

A/C TYPE & MODEL: BD-700-1A10
 A/C SERIAL NUMBER: 9081
 A/C REGISTRATION: C-GZTZ
 A/C HRS/LANDINGS: 71.5 HRS / 18 LDGS
 DATE: April 10, 2003



**BOMBARDIER
AEROSPACE**

WORK REPORT AND LOG BOOK ENTRY

The following work carried out at this time:

- Miscellaneous items rectified at this time, detail on file at this agency under production order 9081CA.

The following parts replaced and tested at this time:

| Description | Part Number off | Part Number on | Serial Number off | Serial Number on | Condition |
|-----------------------|-----------------|----------------|-------------------|------------------|-----------------------------------|
| APU FADEC | 2118990-3 | 2118990-3 | 91-K0050 | 50-K0012 | Serv/ APU (TSN: 139.0 / CSN: 182) |
| APU EGT Sensors (LHS) | WE3876352-1 | WE3876352-1 | 00530 | 00616 | New |
| APU EGT Sensors (RHS) | WE3876352-1 | WE3876352-1 | 00546 | 00637 | New |

- Reference Journey log book entry page 36, APU fault during run up: System trouble shooted to faulty EGT sensors. LH and RH EGT sensors replaced, APU FADEC returned to original and system checked serviceable IAW MM49-61-05 & MM40-61-01.
- All systems disturbed by the work carried out at this time, ground function checked and found serviceable.

The maintenance described above has been carried out in accordance with the applicable airworthiness requirements.

Signature:



Maurice Agboton, Approved Signatory
Transport Canada AMO 25-97

---END---

10 APR. 03 146 198

TO RECORD TSN & CSN AS OF THIS DATE

BCC 14
B.C.C./T.C.
AMO 25-97

16 APR. 03 148 200

| DATE | ACCUMULATED ENGINE HOURS | ACCUMULATED ENGINE STARTS |
|-------------|--------------------------|---------------------------|
| 15 May 2003 | 168 | 232 |
| 30 Jun 2003 | 216 | 300 |
| 10 Oct 2003 | 315 | 443 |
| 14 Nov 2003 | 352 | 494 |
| 12 Dec 2003 | 391 | 550 |
| 26 Jan 2004 | 400 | 563 |
| 17 Mar 2004 | 427 | 598 |
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REMARKS

AIRCRAFT RELEASE CERTIFICATE  **GENEVA**

| | | | |
|---------------|----------------|-------------------|-------------|
| A/C Type: | Global Express | A/C Hrs.: | 437.00 Hrs. |
| A/C Registr.: | F-GVML | A/C total cycles: | 220.0 Cyc. |
| S/N: | 9081 | Workorder: | GFVML007 |


APU-1: RX220GX S/N: P-189 **427 hrs 598 act**

Work started: Mar. 01, 2004 Work ended: Mar. 17, 2004

The following work has been accomplished in accordance with Global Express MM. rev 17, Avr.2003.

ATA Chapter 05; Time Limits / Maintenance Checks
 1. Complied with a 500 hrs APU Inspection I/A/W the following CIMMS Codes:
 49-18-00-201, 49-30-00-201, 49-30-00-202, 49-30-00-203, 49-42-01-201, 49-90-00-201, 49-90-00-202, 49-90-00-203.

Details of all work carried out and materials used by JET AVIATION GENEVA SA held at Geneva under file reference WO GFVML007.
CERTIFICATE OF RELEASE TO SERVICE - Certifies that the work specified except as otherwise specified was carried out in accordance with JAR-145 and in respect to that work the aircraft/aircraft component is considered ready for release to service.

Date: 17 MAR 2004 Name: H. Hertog Signature: [Signature] Lic. 

Approval Reference: FOCA-019

SIGNATURE

| DATE | ACCUMULATED ENGINE HOURS | ACCUMULATED ENGINE STARTS | REMARKS, INSPECTIONS, REPAIRS AND ADJUSTMENTS | SIGNATURE |
|-----------------|--------------------------|---------------------------|---|-----------|
| 18 MAY 2004 | 479 | 634 | | |
| 16 June 2004 | 522 | 767 | | |
| 26 August 2004 | 575 | 874 | | |
| 19 October 2004 | 644 | 936 | | |

07 December 2004 700 1074

Continuation of Log Entry Dated July 17, 2005

S/N: 700-9081

Page 2 of 2

12 January 05 715 1096

Complied with the Following Chapter 5 / CAMP Cards:

| Code No. | Description |
|------------------|--|
| 23-71-01-720-801 | Perform Solid State Cockpit Voice Recorder Functional Test |
| 24-23-01-101 | Operational Test Ram Air Turbine (RAT) |
| 24-32-01-203 | Restoration avionics battery |
| 24-32-09-203 | Restoration APU battery |
| 26-26-01-9003A | Weight Check Aft Automatic Fire Lavatory Bottle |
| 32-11-00-201 | Lubrication main landing gear and components. |
| 32-12-00-201 | Lubrication landing gear doors |
| 32-21-00-201 | Lubrication nose landing gear and components |
| 32-22-00-201 | Lubrication nose landing gear doors |

18 MAY 2005 832 1238

Performed the Following Maintenance:

1. Performed a satisfactory adjustment / test of auto throttle system.
2. Repaired seat rail in aft lavatory area at RBL 27 00 FS 789.0, to FS 792.0 per Bombardier SRPSA 84822 (REO # 700-53-41-009)
3. Resealed panel's 186DR and 346KL.
4. Installed a Passenger Cabin Door Actuator P/N: GS-321-0591-5, S/N: C0133. Removed Actuator P/N: GS-321-0591-5, S/N: C0124.
5. Installed a Repaired Passenger Cabin Door Touch Pad P/N: 990-6104-104, S/N: 01050003888.
6. Installed a new aft lavatory outboard floor attach bracket isolator P/N: SL2337-3.
7. Installed a Modified Aft Toilet Assembly P/N: 15730-001, S/N: 0142. Removed Aft Toilet Assembly P/N: 15730-001, S/N: 0062.
8. ~~Removed APU Model RE200(GX) S/N: P-189~~ with 925.0 Hours and 1354 Cycles Since New and sent out for repairs.
9. Installed a LOANER APU Model RE200(GX)1 S/N: P-289 with 39.75 Hours and 52 Cycles Since New.
10. Re-secured Humidifier H2O line fitting and performed BIT check with no defects noted at this time.
11. Installed a new Compressor Discharge Temperature Sensor P/N: GG436-2005-3, S/N: 02175R in the left side. Removed Temperature Sensor P/N: GG436-2005-3, S/N: 00365.
12. Installed a new Temperature Sensor P/N: GG436-2015-3, S/N: 04344 for the left pack discharge. Removed Sensor P/N: GG436-2015-3, S/N: 00720.
13. Performed a Ground Test of the No. 1 FMS with no defects noted at this time.
14. Installed an Inspected DCPC Primary Logic Card No: 1 P/N: 770545, S/N: I1990013. Removed DCPC Primary Logic Card No: 1 P/N: 770545, S/N: 08000022.

24 June 2005 890 1297

29 June 2005 901 1318

I certify that the work specified except as otherwise specified was carried out in accordance with EASA PART 145 and with respect to that work the Aircraft / Aircraft Component is considered ready for release to service Under EASA Approval Certificate Number 4625. Detailed record is on file under work order number: 122283

Date July 17, 2005

Signed


 Roger G. Poindexter FOR
 Ft. Lauderdale Service Center
 Learjet Inc.
 S.W. 11th Terrace
 Ft. Lauderdale, FL 33315
 CRS: LN4R342M / EASA 4625

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| DATE | ACCUMULATED ENGINE HOURS | ACCUMULATED ENGINE STARTS | REMARKS; INSPECTIONS, REPAIRS AND ADJUSTMENTS | SIGNATURE |
|------|--------------------------|---------------------------|---|-----------|
|------|--------------------------|---------------------------|---|-----------|

18 MAY 2004 479 634

16 June 2004 522 767

26 August 2004 575 874

Replace oil filter element (499040)
LMMH / S. Babin

19 OCTOBER 2004 644 936

BOMBARDIER

Aircraft Model Global Express BD700-1A10 Date July 17, 2005
Aircraft Serial # 700-9081 Aircraft Time 1139.60
Aircraft Registration F-GVMI Aircraft Cycles 632

AIRFRAME LOG ENTRY

Page 1 of 2

07 December 04 700 1074

Performed the following Aircraft Modification(s):

| Mod / Drawing No: | Rev No: | DESCRIPTION |
|-------------------|---------|--------------------------------|
| BAS67028429 | C | WD - Water System Modification |

Complied with the following Service Bulletins:

| SB No. | Rev No. | Description | Next Due |
|------------------------|---------|---|---|
| 2118990-49-4166 | 02 | Airborne auxiliary power - Electronic control unit - Modification of controller from part No. 2118990-3 S1 to 2118990-3 S1 MRI (This SB is N/A per part installed.) | N/A |
| 700-23-017 Part A | Basic | Special Check/Modification - Audio and Video Monitoring - Check for MHT remote units that are not modified (can cause a squelch break anomaly) and installation of modified MHT remote units | Part B required on MHT p/n 990-4168-001 s/n 01060005364 |
| 700-27-039 | Basic | Flight controls - Replacement of the multi-function spoiler power control unit connector and conduit. | N/A |
| 700-31-024 | Basic | Modification - Integrated Avionics Computer (IAC) System - Reterminate EGPWS strapping to give priority to IACs "Minimums, Minimums" aural callout. | N/A |
| 700-32-016 | Basic | Modification - Brake Control System - Part no. change of the brake control unit to GW415-7125-5. Installed a modified brake control unit p/n GW415-7125-5 s/n 252, p/n off GW415-7125-3 s/n off 129 | N/A |
| 700-35-006 | Basic | Special Check/Modification - Possible degraded connections at swage joints of the crew oxygen system hoses. Installed two new hoses p/n 38911-5-0110. Installed one new hose p/n 38911-5-0170. | N/A |
| 700-38-006 Parts A & B | 0 | Special Check/Modification - Waste Disposal - Check for Unserviceable Hydraflow™ Hoses, Replacement of Unserviceable Hydraflow™ Hoses and Installation of Upgraded Majair™ Toilet Assemblies C/W Parts A and Part B | N/A |
| 700-53-029 | 01 | Addition of harness support to prevent contact between wire harness and fuel lines. | N/A |
| 700-57-028 | Basic | Leading edge slats - replacement of slat spacer on No. 1 inboard, mid and outboard tracks, slat No. 2 inboard and outboard tracks and slat No. 3 and No. 4 inboard tracks (C/W part B) | N/A |
| 700-57-37 Part C | 1 | Rework Wing Aft Lower Skin - Check and Rework Wing Aft Lower Skin Thickness at WS404.00, Rework Pressure Relief Valve Bracket at WS199.00 to WS221.00 Stringer No. 8 and Replacement of Hi-Lite Between Wing Lower Skin and Front Spar. Part C. | N/A |
| 700-79-005 | 01 | Oil replenishment system - Power source change to battery power on aircraft post build 4 | N/A |
| 8E720-49-7159 | 01 | Airborne auxiliary power - Gas turbine engine - Inspection of specific FADEC controller. part No 2118990-3 (This SB is N/A per part installed.) | N/A |


Continued on Page 2

12 January 05 715 1096

18 MAY 2005 832 1238

24 June 2005 890 1297

29 June 2005 901 1318

| DATE | ACCUMULATED ENGINE HOURS | ACCUMULATED ENGINE HOURS | REMARKS, INSPECTIONS, REPAIRS, AND ADJUSTMENTS | SIGNATURE |
|--|--------------------------|--------------------------|--|--|
| 8/19/05 | TSN 901.0 | CSN 1318 | <p style="text-align: center;">SB 700-49-012</p> <p>APU P/N WE3800714-1 S/N P-189 Model RE220-GX</p> | <p style="writing-mode: vertical-rl; transform: rotate(180deg); opacity: 0.5;">HONEYWELL</p> |
| | TSO N/A | CSO N/A | <p>DESCRIPTION OF WORK PERFORMED: ENGINE DISASSEMBLED TO THE EXTENT NECESSARY TO PERFORM REPAIR, INSPECTED, REPAIRED AND TESTED IAW MANUFACTURER'S MANUAL AND CUSTOMER INSTRUCTIONS. TSR/CSR -0-.</p> | |
| | | | <p>49-24-35 REV 02 *****</p> | |
| | | | <p>INSPECTIONS COMPLIED WITH: N/A</p> | |
| | | | <p>SERVICE BULLETINS COMPLIED WITH: <u>SEE SERVICE BULLETIN SECTION OF LOG BOOK</u></p> | |
| | | | <p>PARTS REPAIRED OR REPLACED THIS VISIT: SEE TRACE INPUT PAGE</p> | |
| | | | <p>NDC / LIFE LIMITED PARTS: SEE NDC / LIFE LIMITED PARTS RECORD</p> | |
| | | | <p>THIS APU HAS BEEN REPAIRED/INSPECTED IN ACCORDANCE WITH THE CURRENT REGULATION OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE WITH RESPECT TO WORK PERFORMED. PERTINENT DETAILS OF WORK PERFORMED ARE ON FILE AT THIS AGENCY UNDER REPAIR ORDER NUMBER 473966</p> | |
| | | | <p>HONEYWELL AEROSPACE CERTIFIED REPAIR STATION ZN3R030M</p> | |
| | | | <p style="text-align: right;">INSPECTOR:</p> | |
| <p style="font-size: 2em; opacity: 0.5;">X</p> | | | <p><i>Bob Vonderhaar</i> BOB VONDERHAAR</p>  | |

HONEYWELL AEROSPACE SERVICES REPAIR AND OVERHAUL
 REPAIR STATION # ZN3R030M
 TRACEABILITY INPUT TRAVELER
 PARTS REWORKED OR REPLACED

REF. W.I. 8.14
 FORM RPT APU 0005-1
 DATE: 08/19/05
 REPAIR ORDER 473966

ENGINE MODEL: APU OUTLINE NO. WE3800714-1 ENGINE SN: P-189

CUSTOMER: A0128

CONDITION CODE LEGEND: N = NEW O = OVERHAUL R = REPAIR V = VISUAL F = FUNCTIONALLY TEST M = MODIFY

| <u>PART</u> <u>NUMBER</u> | <u>PART</u> <u>NAME</u> | <u>S/N</u> | <u>QTY</u> | <u>COND</u> <u>CODE</u> | <u>LOT</u> <u>NBR</u> | <u>DOC</u> | <u>NUMBER</u> |
|------------------------------|----------------------------|----------------|------------|----------------------------|--------------------------|------------|---------------|
| WA3844521-1 | LAB SL | NA | 1 | O | 476494 | MAN | 49-24-20 |
| | | | | | | EA | 00665 |
| WB3810667-2 | INLET HSG | 982268300043 | 1 | O | 469195 | MAN | 49-24-20 |
| | | | | | | ARB | 266215 |
| WB3822380-3 | IMPELLER | 992268300052 | 1 | V | 473966 | MAN | 49-24-35 |
| WB3822503-1 | DUPLEX BALL | MS051409508598 | 1 | N | NA | | |
| WB3827351-1 | SEAL ASSY | N/A | 1 | N | 0405158687 | | |
| WB3827383-1 | COMP SHROUD | 962268300078 | 1 | O | 482393 | MAN | 49-24-35 |
| | | | | | | ORI | P30049 |
| WB3840238-1 | BEARING SET | MS041409518740 | 1 | N | NA | | |
| WB3844550-1 | TURB SEAL | 050515830568 | 1 | N | NA | | |
| WE897994-3 | ROTOR | 000134504899 | 1 | V | 473966 | MAN | 49-24-35 |
| WK3840141-3 | ROTOR | 002241000316 | 1 | V | 473966 | MAN | 49-24-35 |
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Signature

R. [Signature]


Stamp



ACCUMU- ACCUMU-

Honeywell

NDC / Life Limited Parts

| Date | TSN | CSN | APU P/N | WE3800714-1 | S/N | P-189 | CUSTOMER | |
|---|-------------|--------------|----------------|----------------|-------------|--|----------|--|
| 8/19/05 | 901.0 | 1318 | Model RE220-GX | | LEARJET | | | |
| Noun | P/N | S/N | Status | Noun | P/N | S/N | Status | |
| GB/ASSY | WK3805055-4 | 002241000064 | 4 | STARTER | 2704554-2 | 285 | 4 | |
| OIL PUMP | WE3881781-1 | VE1212 | 4 | FUEL CONTROL | 441950-2 | CUB20207 | 4 | |
| SURGE VALVE | 3291212-4 | 359 | 4 | LOAD VALVE | 3291210-3 | 419 | 4 | |
| OIL COOLER | 160534-1 | 383 | 4 | HARNESS | WE3888471-1 | 0022683T0058 | 4 | |
| REPAIR CODES | 1-FT | 2-REPAIR | 3-OVERHAUL | 4- INSP / USED | 5-NEW | E- EXCHANGED | | |
| Noun | P/N | S/N | Time | Cycles | | | | |
| IMPELLER | WB3822380-3 | 992268300052 | 901.0 | 1318.0 | | | | |
| 1st T WHEEL | WK3840141-3 | 002241000316 | 901.0 | 1318.0 | | | | |
| 2nd T- WHEEL | WE897994-3 | 000134504899 | 901.0 | 1318.0 | | | | |
| REPAIR ORDER: 473966 HONEYWELL AEROSPACE CERTIFIED REPAIRED STATION ZN3R030M | | | | INSPECTOR: | |  BOB VONDERHAAR | | |



DATE

AIRCRAFT RELEASE CERTIFICATE  **JET AVIATION**
GENEVA

| | | | | |
|----------------------|----------------|--------------------------|---------------|--------------------------|
| A/C Type: | Global Express | A/C Hrs.: | 1'199.05 Hrs | |
| A/C Registr.: | F-GVML | A/C total cycles: | 667.0 Cyc | |
| S/N: | 9081 | Workorder: | GFVML010 | |
| APU-1: | RX220GX | S/N: | P-189 | 925.00 Hrs. 1'357.0 Cyc. |
| APU-1-LN-OFF: | RX220GX | S/N: | P-289 | 82.00 Hrs. 128.0 Cyc. |
| Work started: | Sep. 19. 2005 | Work ended: | Sep. 20. 2005 | |

The following work has been accomplished in accordance with **BD700 AMM rev 21/OCT -2004**.

ATA Chapter 05; Time Limits / Maintenance Checks

1. Complied with APU 500 hrs inspection I/A/W the following CAMP codes: 49-18-00-201, 49-30-00-201, 49-30-00-202, 49-30-00-203, 49-42-01-201, 49-90-00-201, 49-90-00-202, 49-90-00-203, 499040.

ATA Chapter 49; Airborne Auxillary Power

1. Installed APU and ops checked I/A/W MM task 49-10-00.

Details of all work carried out and materials used by JET AVIATION GENEVE SA held at Geneva under file reference WO GFVML010.

CERTIFICATE OF RELEASE TO SERVICE - Certifies that the work specified except as otherwise specified was carried out in accordance with Part-145 and in respect to that work the aircraft/aircraft component is considered ready for release to service.

Date: 20 Sep 05 Name: Domenico Alex Signature: 

Lic. 
 JGVA 13P

Approval Reference: **EASA.145.0210**

CF = carried forward item

Jet Aviation (Genève) SA - P.O. Box 456 - CH-1215 Geneva Airport - Phone +41 58 158 11 11 - Fax +41 58 158 11 15
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 www.jetaviation.com

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REMARKS, INSPECTIONS, REPAIRS AND ADJUSTMENTS

SIGNATURE

| DATE | ACCUMULATED ENGINE HOURS | ACCUMULATED ENGINE STARTS | REMARKS, INSPECTIONS, REPAIRS AND ADJUSTMENTS | SIGNATURE |
|----------------|--------------------------|---------------------------|--|---|
| 21 OCTOBER 05 | 960 | 1414 | | LVMH |
| 16 NOVEMBER 05 | 987 | 1449 | E/Low oil pressure switch P/N WE 3876295-1 OFF S/N 9227 ON S/N 98146 | MOÛT HENNESSY - LOUIS VUITTON Cedex 08 775 670 417 CS Paris SIRET 775 670 417 0001 |
| | | | | |
| 9 JANUARY 06 | 1019 | 1486 | | |
| 7 MARCH 06 | 1047 | 1530 | | |
| 2 MAY 06 | 1094 | 1607 | | |
| 2 JUNE 06 | 1119 | 1646 | | |
| 18 AUGUST 06 | 1148 | 1687 | S.B. RE 220-49-7825 IGNITER - EXCITER P/N OFF WE 3876295-3 S/N OFF 218019161 P/N ON WE 3876295-6 S/N ON 60218068563 Doc-list: 49-21-00-301 | |

| DATE | ACCUMULATED ENGINE HOURS | ACCUMULATED ENGINE STARTS | REMARKS, INSPECTIONS, REPAIRS AND ADJUSTMENTS | SIGNATURE |
|----------------|--------------------------|---------------------------|---|-----------|
| 05 OCTOBER 06 | 1189 | 1755 | | |
| 06 NOVEMBER 06 | 1224 | 1807 | | |
| 10 NOVEMBER 06 | 1225 | 1808 | | |
| 08 DECEMBER 06 | 1261 | 1856 | | |
| 08 JANUARY 07 | 1281 | 1878 | | |
| 17 JANUARY 07 | 1285 | 1882 | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

DATE

ACCUMULATED LATED ACCUMULATED LATED

OPERATIONAL INFORMATION OPERATIONAL INFORMATION

AIRCRAFT RELEASE CERTIFICATE JET AVIATION

GENEVA

| | | | |
|---------------|----------------|-------------------|---------------|
| A/C Type: | Global Express | A/C Hrs.: | 1'763.20 Hrs. |
| A/C Registr.: | F-GVML | A/C total cycles: | 925.0 Cyc. |
| S/N: | 9081 | Workorder: | GFVML015 |

APU-1: FX220GX S/N: P-189 1'285.00 Hrs. 1'888.0 Cyc.

Work started: Jan. 17, 2007 Work ended: Feb. 14, 2007

The following work has been accomplished in accordance with BD 700-1A10 AMM rev. 29 - December 22nd 2006.
& i.a.w. P.E. LVMH revision Decembre 2006

ATA Chapter 05; Time Limits / Maintenance Checks
 1. Complied following tasks on APU referring to 4C Check & 2C Check:
 49-11-00-201, 49-11-01-201, 49-15-00-201, 49-15-09-201, 49-80-05-201, 49-80-09-201.
 Complied task # 49-70-00-201 on APU referring to 2A Check.

Details of all work carried out and materials used by JET AVIATION GENEVE SA held at Geneva under file reference WO GFVML015.
CERTIFICATE OF RELEASE TO SERVICE - Certifies that the work specified except as otherwise specified was carried out in accordance with Part-145 and in respect to that work the aircraft/aircraft component is considered ready for release to service.

Date: 14 FEB 07 Name: G. Rocca 270 Signature: [Signature] Lic: JGVA.120...


Approval Reference: CH.145.0210

CF = carried forward item

DATE

LEAVE HOURS STARTS

23 APRIL 07 1326 1951

| F-GVML | | MAINTENANCE STATEMENT APU | | | | RUAG <small>AIRCRAFT SERVICE TECHNOLOGY</small> | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|------------------------------|--------|---|--------|--|----------|------|----|----|----|----|-----|----|------|----|-----|----|-----|----|-----|----|-----|----|-----|---|----------|-----------|----|---------|-----------|----|
| DATE: 22.MAR.2010 | A/C-Data | S/N | TSN | LDG/CSN | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RUAG W/O NO. | Type | GLOBAL EXPRESS | 9081 | 2695,1 | 1340 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 870002193 | Engine L/H | BR700-710A2-20 | 12279 | 2695,1 | 1340 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CUSTOMER W/O NO. | Engine R/H | BR700-710A2-20 | 12276 | 2695,1 | 1340 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| COMMANDE 10074, OT N.28/10 | APU | RE220(GX) | P-169 | 1828 | 2736 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SCHEDULED MAINTENANCE COMPLETED: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| The following work has been performed (a.w. BD-700-1A10 Ed.1 Am.3and Manufacturer Maintenance Manuals (refer to Data used) : | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TASK / INSPECTION | DESCRIPTION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 05-000-1A | 1A CHECK | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 05-000-2A | 2A CHECK | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 49-18-00-201 | GENERAL VISUAL INSPECTION APU DRAIN LINES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 49-30-00-201 | VISUAL CHECK FUEL SYSTEM COMPONENTS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 49-30-00-202 | VISUAL CHECK FUEL SYSTEM LINES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 49-30-00-203 | VISUAL CHECK FUEL SYSTEM INTERFACE - CONNECTIONS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 49-42-01-201 | DETAILED INSPECTION STARTER MOTOR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 49-90-00-201 | VISUAL CHECK OIL SYSTEM COMPONENTS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 49-90-00-202 | VISUAL CHECK OIL SYSTEM LINES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 49-90-00-203 | VISUAL CHECK OIL SYSTEM INTERFACE CONNECTIONS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 499040 | REPLACE OIL FILTER ELEMENT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| The following AD / SB / SI / EO / MOD completed : | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NUMBER | DESCRIPTION | | | | STATUS | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| The following parts have been replaced / overhauled / modified : | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PART NAME | P/N OFF | S/N OFF | P/N ON | S/N ON | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Location where check was completed | EDMO | | | Data Table : Global Express | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| |  | | | <table border="1"> <tr><td>Document</td><td>Rev.</td></tr> <tr><td>MM</td><td>44</td></tr> <tr><td>WM</td><td>37</td></tr> <tr><td>IPC</td><td>43</td></tr> <tr><td>TLMC</td><td>13</td></tr> <tr><td>MPD</td><td>13</td></tr> <tr><td>SRM</td><td>27</td></tr> <tr><td>CMM</td><td>22</td></tr> <tr><td>NDT</td><td>78</td></tr> <tr><td>SMM</td><td>A</td></tr> <tr><td>Eng. IPC</td><td>S-710-2BR</td><td>24</td></tr> <tr><td>Eng. MM</td><td>M-710-2BR</td><td>29</td></tr> </table> | | | Document | Rev. | MM | 44 | WM | 37 | IPC | 43 | TLMC | 13 | MPD | 13 | SRM | 27 | CMM | 22 | NDT | 78 | SMM | A | Eng. IPC | S-710-2BR | 24 | Eng. MM | M-710-2BR | 29 |
| Document | Rev. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MM | 44 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WM | 37 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IPC | 43 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TLMC | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MPD | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SRM | 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CMM | 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NDT | 78 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SMM | A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eng. IPC | S-710-2BR | 24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eng. MM | M-710-2BR | 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | RUAG Aerospace Services GmbH PART 145 Organisation Name: | | | DE.145.0002 PART 145 Organisation Approval Reference | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Signed / Stamp | R.Zink | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Print name of person signing / | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |


DATE

ACCUMULATED ENGINE HOURS

ACCUMULATED ENGINE HOURS

REMARKS, INSPECTIONS, REPAIRS AND ADJUSTMENTS

SIGNATURE

AIRCRAFT RELEASE CERTIFICATE  **GENEVA**

| | |
|---------------------------------|---------------------------------------|
| A/C Type: Global Express | A/C Hrs.: 1'920.35 Hrs. |
| A/C Registr.: F-GVML | A/C total cycles: 1'005.0 Cyc. |
| S/N: 9081 | Workorder: GFVML018 |

| | | | |
|------------------------------|-------------------|---------------|--------------|
| APU-1: RX220GX | S/N: P-189 | 1'378.00 Hrs. | 2'027.0 Cyc. |
| ENG-1: BR700-710A2-20 | S/N: 12279 | 1'920.35 Hrs. | 1'005.0 Cyc. |
| ENG-2: BR700-710A2-20 | S/N: 12276 | 1'920.35 Hrs. | 1'005.0 Cyc. |



Work started: Jul. 03, 2007 **Work ended:** Jul. 06, 2007

The following work has been accomplished in accordance with **BD 700-1A10 AMM rev. 29 - December 22nd 2006.**
 & i.a.w. P.E. LVMH revision Decembre 2006

ATA Chapter 05; Time Limits / Maintenance Checks
 1. Complied with APU 500/1500 hrs inspection I/A/W the following CAMP codes: 49-18-00-201, 49-30-00-201, 49-30-00-202, 49-30-00-203, 49-42-01-201, 49-90-00-201, 49-90-00-202, 49-90-00-203, 499040, 49-62-00-201, 49-90-29-201, 49-90-29-202

Details of all work carried out and materials used by **JET AVIATION AG** held at Geneva under file reference **WO GFVML018.**

CERTIFICATE OF RELEASE TO SERVICE - Certifies that the work specified except as otherwise specified was carried out in accordance with Part-145 and in respect to that work the aircraft/aircraft component is considered ready for release to service.

Date: July 06 2007 Name: Rossi D Signature:  Lic. 

Approval Reference: **CH.145.0210**

CF = carried forward item
 Jet Aviation AG, Geneva Airport Branch | Maintenance | Refurbishment
 17, Route de Pré-Bois | CH-1217 Meyrin | Switzerland | Mail: P.O. Box 456 | CH-1215 Geneva-Airport | Switzerland
 Tel. +41 58 158 1111 | Fax +41 58 158 1115 | www.jetaviation.com



AIRCRAFT RELEASE CERTIFICATE



Project No.: BFVML017 **8C + D/R** 5.03.2012
Customer: 2020239 **UNIJET**
Resp. Production: Marc Heim
Resp. Planning: Marie Sanchez
Workrep. printed by: Marie Sanchez **Final Quote Ref.:**

A/C Registr.: F-GVML **A/C Type:** BD700-1A10
S/N: 9081
A/C hours: 3'297.35 Hrs. **Landings:** 1'524.0 Ldgs.
APU-1: RX220GX **S/N:** P-189 2'075.00 Hrs. 3'152.0 Cyc.
Work started: Mar. 05, 2012 **Work ended:** Jun. 14, 2012

Customer PO No.: 11/12012 commande 12062

The following work has been accomplished in accordance with **BD 700-1A10 AMM REV. 53** or otherwise specified.

| Activity | Operator Code | Description | ATA | Job Card No. | Status |
|---|--|--|-------------------------|--------------|--------|
| <i>Routine Work</i> | | | | | |
| 1008 | 49-21-00-301 | APU clea of the APU combustor | 49 | 0089 | CLSD |
| <i>AD/SB/SL</i> | | | | | |
| 2003 | | SB 700-49-015 Modification - Indicating - APU EGT sensor upgrade to P/N WE3876352-2 with S/N 50413-1000204 or above. | 97 | 0375 | CLSD |
| Corrective Action: | | | | | |
| Order No: 80021294 | | | | | |
| 0010 | | Performed SB 700-49-015 Part 2 (A) - APU EGT Sensor and Serial Number inspection. | | | |
| Found APU EGT Sensors installed with P/N WE3876352-1. | | | | | |
| 0020 | | Performed SB 700-49-015 Part 2 (B) - Upgrade of the APU EGT Sensors. | | | |
| 0030 | | Performed SB 700-49-015 Part 2 (C) - Testing | | | |
| 0040 | | Performed SB 700-49-015 Part 2 (D) - Close-out. | | | |
| Descr.: | SENSOR, EXHAUST,GAS,TEMPERATURE | Pos.: | L/H | | |
| P/N OFF: | WE3876352-1 | P/N ON: | WE3876352-2 | | |
| S/N OFF: | MFR002021900616 | S/N ON: | MFR50413-1101214 | | |
| Descr.: | SENSOR, EXHAUST,GAS,TEMPERATURE | Pos.: | R/H | | |
| P/N OFF: | WE3876352-1 | P/N ON: | WE3876352-2 | | |
| S/N OFF: | MFR002021900637 | S/N ON: | MFR50413-1101146 | | |

AIRCRAFT RELEASE CERTIFICATE



BASEL


Project Number: BFVML017

| Activity | Operator Code | Description | ATA | Job Card No. | Status |
|-----------------------------|---------------|--|-----|--------------|--------|
| <i>Defect Rectification</i> | | | | | |
| 4008 | | RIMP-2: APU system EGT sensor RIMP-2: APU system EGT sensor | 49 | 0361 | CLSD |
| | | Corrective Action: | | | |
| Order No: 80021285 0010 | | SB 700-49-015 performed refer Activity 2003. | | | |

Total number of displayed Job Cards on this form: 0003

Details of all work carried out and materials used by JET AVIATION AG held at Basel under file reference WO BFVML017.

CERTIFICATE OF RELEASE TO SERVICE - Certifies that the work specified except as otherwise specified was carried out in accordance with Part-145 and in respect to that work the aircraft / aircraft component is considered ready for release to service.

Date: 14 JUN 2012 Name: MARC HEIM Signature: 

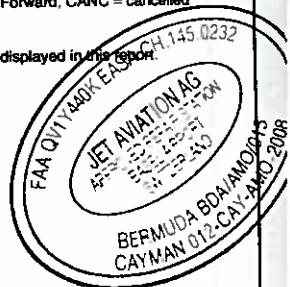
JBSL / CH 145 0232
MARC HEIM
ALTH REF 201717

Approval Reference: CH.145.0232

For Carried Forward Items (if any), refer to the attached Carried Forward Items list

Status Legend: INWK = in-work, CLSD = Work performed and Job Card closed, CFWD = Carried Forward, CANC = cancelled
CFJC = New Carry Forward Job Card(not yet assigned to revision)

NOTE: Job Card Operations relating to Duplicate Inspections and Access Panels are not displayed in the report.



ACCIDENT INVESTIGATION
LATED LATED

AIRCRAFT RELEASE CERTIFICATE



BASEL

Project No.: BDEGV001 DR 31.01.2014
Customer: 2045368 Yborcity Services limited
Resp. Production: Jürg Tresch
Resp. Planning: Steven Hancock
Workrep. printed by: Steven Hancock **Final Quote Ref.:**

A/C Registr.: D-AEGV **A/C Type:** BD700-1A10
S/N: 9081
A/C hours: 3'582.40 Hrs. **Landings:** 1'655.0 Ldgs.
APU-1: RX220GX **S/N:** P-189 2'242.00 Hrs. 3'462.0 Cyc.
Work started: Jan. 31, 2014 **Work ended:** Feb. 24, 2014

Inspection program applied: UNIJET GLEX BD700-1A10 Edition 1 Amdt 1 de 01/09

The following work has been accomplished in accordance with **GLEX AMM REV. 60** or as otherwise stated.

| Act | Operator Code | Description | ATA | JC No. | Status |
|---------------------|---------------|-------------------------------------|-----|--------|--------|
| <i>Routine Work</i> | | | | | |
| 1006 | 49-18-00-201 | GVI APU Drain Lines | 49 | 0019 | CLSD |
| 1007 | 49-80-00-201 | VC Oil System Components | 49 | 0020 | CLSD |
| 1008 | 49-80-00-202 | VC Oil System Lines | 49 | 0021 | CLSD |
| 1009 | 49-80-00-203 | VC Oil System Interface Connections | 49 | 0022 | CLSD |

Total number of displayed Job Cards on this form: 0004

Panel Cards assigned to this Workpack

| Type | Zone | Panel Job Card No. |
|---------------|----------------------------|--------------------|
| Status | | |
| Remove | 800 Doors | 0016 CLSD |
| Remove | 300 Empennage | 0017 CLSD |
| Remove | 200 Upper Half of Fuselage | 0018 CLSD |
| Fit | 800 Doors | 0024 CLSD |
| Fit | 300 Empennage | 0025 CLSD |
| Fit | 200 Upper Half of Fuselage | 0026 CLSD |

AIRCRAFT RELEASE CERTIFICATE



BASEL

Project Number: BDEGV001

Details of all work carried out and materials used by JET AVIATION AG held at Basel under file reference WO BDEGV001.

CERTIFICATE OF RELEASE TO SERVICE - Certifies that the work specified except as otherwise specified was carried out in accordance with Part-145 and in respect to that work the aircraft / aircraft component is considered ready for release to service.

Date: Feb 24 2014 Name: J Tresh Signature: [Signature] Lic: [Stamp]

Approval Reference: CH.145.0232

For Carried Forward Items (if any), refer to the attached Carried Forward Items list

Status Legend: INWK = In-work, CLSD = Work performed and Job Card closed, CFWD = Carried Forward, CANC = cancelled
CFJC = New Carry Forward Job Card(not yet assigned to revision), N/A = Operation certified as non applicable for this Aircraft/equipment

NOTE: Job Card Operations relating to Duplicate Inspections and Access Panels are not displayed in this report.

TAG FARNBOROUGH ENGINEERING Ltd
Business Aviation Centre, Farnborough Airport
Farnborough, Hampshire, GU14 6XA.

APU TYPE: RE220 (GX)

A.P.U. SERIAL No: P-189

Work carried out on the above A.P.U. at: 2339 Total Hours

49-62-00-201 APU - OPERATIONAL TEST OF THE APU EMERGENCY SHUTDOWN (APU SHUTDOWN SWITCH AND AFT SERVICE CONTROL PANEL APU SHUT-OFF SWITCH). OPERATIONAL TEST OF THE APU EMERGENCY SHUTDOWN CARRIED OUT IAW AMM 49-62-00-710-802, BOTH SHUTDOWN SWITCHES OPERATE CORRECTLY

The work specified above has been extracted from certified worksheets contained in Work Pack Ref: WP31899

An electronic copy is held within TAG Farnborough Engineering Technical Records.

Signature:



Date: 27 JUNE 2014

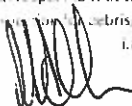
AG FARNBOROUGH ENGINEERING Ltd
EASA Part-145 APPROVAL: UK.145.00443

CS EASA APU LBR 0613

CERTIFICATE OF RELEASE TO SERVICE

"Certifies that the work specified above except as otherwise specified was carried out in accordance with Part 145 and in respect to that work the Aircraft/Aircraft Component is considered ready for return to service. An inspection for debris/foreign objects prior to the refitting of any panel etc, and tool control i.e.w. MOE Pt 2.6 has been carried out."

Signature:



Authority:



Date:

27 Jun 2014

APPROVAL OF 145-00443

DATE

ACCUMU-
LATED
ENGINE
HOURSACCUMU-
LATED
ENGINE
STARTS

REMARKS, INSPECTIONS, REPAIRS AND ADJUSTMENTS

SIGNATURE

MAINTENANCE STATEMENT

Aircraft Type: Global Express, SN: 9081 Registration: D-AEGV
 APU: RE220 (GX), SN: P-189, TSN: 2369, CSN: 3543
 Aircraft total at maintenance completion: 2.369 HRS, TAT 3 543 Ldgs, TAC
 Location of maintenance completion: EDDM Date: 05 Aug 2014
 Tech Log, Ref: Book #1, Page #0010, Customer Order K5-9081-2014-009
 Work Order No.: 14-0311 (5)

Performed:

- 1500APU: 1500 Hour APU i.a.w. Camp Pkg. #2
- 750APU: 750 Hour APU i.a.w. Camp Pkg. #1

Replaced:

- 2ea APU Oil Filter Elements, PN: WE3881767-1

Type related Documents:

MM (Engine), M-710-2BR, Rev. 40, dated 15.02.2014

MM PART II (Airframe), Rev. 62, dated 03.06.2014

For further Details refer to above mentioned Work Order.

Released by: Frank Bischoff Signed: 

Part-145 Organisation: M.C.M. - Maintenance Center Munich GmbH, DE.145.0125



TAG FARNBOROUGH ENGINEERING Ltd
 Business Aviation Centre, Farnborough Airport
 Farnborough, Hampshire, GU14 6XA.

APU TYPE: RE220 (GX)

A P U SERIAL No: P-189

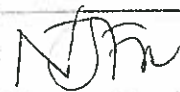
Work carried out on the above A.P.U at: 2387 Total Hours

JC #5 INVESTIGATE INTERMITTENT APU FAULT ON START. APU STARTED AND ARMED (APU BITE CHECK) NUMEROUS TIMES WITH NO FAULTS OBSERVED. CAMS INTEROGATED AND HISTORICAL 'SHORT EGT SENSOR/CIRCUIT 2 WIRING' OBSERVED. EGT SENSORS SWAPPED FOR TROUBLESHOOTING AND CUSTOMER INFORMED. X-REF TO ATTACHED CONTINUATION SHEET FOR DETAILS. C/O IAW MM 49-61-05

The work specified above has been extracted from certified worksheets contained in Work Pack Ref: WP32331

An electronic copy is held within TAG Farnborough Engineering Technical Records



Signature




Date: 27 AUG 2014

TAG FARNBOROUGH ENGINEERING Ltd
 EASA Part-145 APPROVAL: UK 145.00443

C5 EASA APU LBR 08/13

| DATE | ACCUMULATED ENGINE HOURS | ACCUMULATED ENGINE STARTS | REMARKS, INSPECTIONS, REPAIRS AND ADJUSTMENTS | SIGNATURE | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|--|---------------------------|---|-------------|------|---------|--------|----------|------|-----------|--------|--|--|--|--|------------|-------|---------|------|-------------|------|----------|--------------|-----|-------|----|--|---------|------|--|
| | | | <div data-bbox="586 184 777 274"> </div> <div data-bbox="807 184 1246 229"> <p>Hangar 201, President Way, Luton Airport, Bedfordshire LU2 9NW Tel: 44-1582-589-300, Facsimile: 44-1582-589-314</p> </div> <div data-bbox="807 274 1310 302"> <p>MM Revision No: 64 AMM Revision Date: 26 NOVEMBER</p> </div> <table border="1" data-bbox="593 296 1367 386"> <tr> <td>A/C Ser No:</td> <td>9081</td> <td>A/C Reg</td> <td>D-AEGV</td> <td>A/C Type</td> <td>BD70</td> </tr> <tr> <td>WO Number</td> <td colspan="5">009731</td> </tr> <tr> <td>APU SN No:</td> <td>P-189</td> <td>APU TT:</td> <td>2567</td> <td>APU Cycles:</td> <td>3766</td> </tr> </table> <p data-bbox="586 392 1128 420">The following work has been carried out I.A.W. Programme Ref:K5-9081-2015-001</p> <p data-bbox="586 436 746 459">Defects Reconciled</p> <table border="1" data-bbox="598 464 1328 660"> <thead> <tr> <th>ATA Code</th> <th>Description:</th> <th>NRC</th> <th>Hours</th> </tr> </thead> <tbody> <tr> <td>49</td> <td>PLEASE RECTIFY APU EGT SENSOR FAIL 2X APU EGT SENSORS REPLACED. OPERATIONAL TEST AND LEAK CHECK CARRIED OUT WITH NO FAULTS APPARENT. I.A.W AMM 49-61-05-000/400-801 P/N OFF: WE3876352-2 S/N OFF: N/A P/N ON: WE3876352-2 S/N ON: N/A FORM 1# 100006693753-1</td> <td>0091572</td> <td>2567</td> </tr> </tbody> </table> <p data-bbox="876 677 1067 700">----- END -----</p> <p data-bbox="586 733 824 756">Maintenance Statement Certificate</p> <p data-bbox="586 750 1362 789">The work listed above has been extracted from certified worksheets. Full details of the work carried out and materials supplied are held under record on the Work Order stated above.</p> <p data-bbox="598 795 1345 856"> Signature:  Authority:  Date: 06-Jan-15 </p> <div data-bbox="1041 795 1111 856" style="border: 1px solid black; border-radius: 50%; padding: 5px; display: inline-block;"> HAL 10 </div> | A/C Ser No: | 9081 | A/C Reg | D-AEGV | A/C Type | BD70 | WO Number | 009731 | | | | | APU SN No: | P-189 | APU TT: | 2567 | APU Cycles: | 3766 | ATA Code | Description: | NRC | Hours | 49 | PLEASE RECTIFY APU EGT SENSOR FAIL 2X APU EGT SENSORS REPLACED. OPERATIONAL TEST AND LEAK CHECK CARRIED OUT WITH NO FAULTS APPARENT. I.A.W AMM 49-61-05-000/400-801 P/N OFF: WE3876352-2 S/N OFF: N/A P/N ON: WE3876352-2 S/N ON: N/A FORM 1# 100006693753-1 | 0091572 | 2567 | |
| A/C Ser No: | 9081 | A/C Reg | D-AEGV | A/C Type | BD70 | | | | | | | | | | | | | | | | | | | | | | | | | |
| WO Number | 009731 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| APU SN No: | P-189 | APU TT: | 2567 | APU Cycles: | 3766 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ATA Code | Description: | NRC | Hours | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| DATE | ACCUMULATED ENGINE HOURS | ACCUMULATED ENGINE STARTS | REMARKS, INSPECTIONS, REPAIRS AND ADJUSTMENTS | SIGNATURE |
|------|--------------------------|---------------------------|---|-----------|
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ACTION COPY

WORK CARD NO.
MBA/SCH/003

04-01-F0002-02
Issue 5.01
03 Aug 2015
Page 7 of 7



**EASA CERTIFICATE OF RELEASE
TO SERVICE**

| | |
|----------------|-----------|
| AIRCRAFT REGN. | |
| OE - IVG | |
| S/N: | 9081 |
| SCH NO: | MA/I/AC4N |

Certifies that the work specified except as otherwise specified was carried out in accordance with Part-145 and in respect to that work the aircraft/aircraft component is considered ready for release to service.


| CATEGORY | SIGNATURE | NAME | STAMP | APPROVAL | DATE |
|--|------------------|------------------|-------|--------------|------------------|
| CATEGORY 'C' CERTIFIER | | N. J. Plouffe | | UK.145.00031 | 16 OCT 2015 |
| Use for release from Base Maintenance only | | | | | |
| CATEGORY 'B1' CERTIFIER | _____ | _____ | | UK.145.00031 | _____ |
| CATEGORY 'B2' CERTIFIER | | | | UK.145.00031 | |

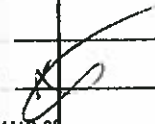
Use for release from Line Maintenance/Defect Rectification or optional for release of Base Maintenance for A/C < 5,700 kg

| DATE | ACCUMULATED ENGINE HOURS | ACCUMULATED ENGINE STARTS | REMARKS, INSPECTIONS, REPAIRS AND ADJUSTMENTS | SIGNATURE | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--------------------------|---------------------------|---|-----------|--------|---------|--------|----------|------|-----------|------|------------|------|-----------|--------|------------|-------|--|--|--|--|----------------------|-----|-------|---|---------|------|--|
| | | | <div style="text-align: right;"> Hangar 201, President Way, Luton Airport, Bedfordshire LU2 9NW Tel: 44-1582-589-300, Facsimile: 44-1582-589-314 </div> <div style="text-align: center;"> <h1 style="margin: 0;">Harrods AVIATION</h1> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div>MM Revision No: _____</div> <div>Revision Date: _____</div> </div> <table border="1" style="width: 100%; margin-top: 10px; border-collapse: collapse;"> <tr> <td style="width: 16.6%;">AC Ser No</td> <td style="width: 16.6%;">9081</td> <td style="width: 16.6%;">A/C Reg</td> <td style="width: 16.6%;">OE-IVG</td> <td style="width: 16.6%;">A/C Type</td> <td style="width: 16.6%;">BD70</td> </tr> <tr> <td>APU Hours</td> <td>2927</td> <td>APU Cycles</td> <td>4074</td> <td>WO Number</td> <td>011365</td> </tr> <tr> <td>APU Ser No</td> <td colspan="5">P-189</td> </tr> </table> <p style="margin-top: 10px;">The following work has been carried out I.A.W. Programme Ref: N/A Customers Work Authorisation/Purchase Order Ref: IVG014REV.6</p> <p>Scheduled Maintenance</p> <table border="0" style="width: 100%; margin-top: 10px;"> <thead> <tr> <th style="width: 40%; text-align: left;">ATA Code Description</th> <th style="width: 15%; text-align: center;">NRC</th> <th style="width: 45%; text-align: center;">Hours</th> </tr> </thead> <tbody> <tr> <td>49 Cleaning of APU Combustor. Cleaning of the APU Combustor c/out satis IAW AMM 49-21-00-170-801.</td> <td style="text-align: center; vertical-align: top;">0099547</td> <td style="text-align: center; vertical-align: top;">2927</td> </tr> </tbody> </table> <div style="text-align: center; margin-top: 20px;"> <p>----- END -----</p> </div> <p style="margin-top: 20px;">The work listed above has been extracted from certified worksheets. Full details of the work carried out and materials supplied are held under record on the Work Order stated above.</p> <div style="display: flex; justify-content: space-between; align-items: flex-end; margin-top: 20px;"> <div style="width: 30%;"> <p>Signature: _____</p> </div> <div style="width: 25%;"> <p>Stamp: _____</p> <div style="border: 1px solid black; border-radius: 50%; padding: 5px; display: inline-block; margin: 10px;"> HAL 02 </div> <p style="margin-top: 10px;">UK.145.00090</p> </div> <div style="width: 30%; text-align: right;"> <p>Date: <u>28-Jan-16</u></p> </div> </div> | AC Ser No | 9081 | A/C Reg | OE-IVG | A/C Type | BD70 | APU Hours | 2927 | APU Cycles | 4074 | WO Number | 011365 | APU Ser No | P-189 | | | | | ATA Code Description | NRC | Hours | 49 Cleaning of APU Combustor. Cleaning of the APU Combustor c/out satis IAW AMM 49-21-00-170-801. | 0099547 | 2927 | |
| AC Ser No | 9081 | A/C Reg | OE-IVG | A/C Type | BD70 | | | | | | | | | | | | | | | | | | | | | | | |
| APU Hours | 2927 | APU Cycles | 4074 | WO Number | 011365 | | | | | | | | | | | | | | | | | | | | | | | |
| APU Ser No | P-189 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ATA Code Description | NRC | Hours | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 49 Cleaning of APU Combustor. Cleaning of the APU Combustor c/out satis IAW AMM 49-21-00-170-801. | 0099547 | 2927 | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | |
|------|--------------------------|---------------------------|---|-----------|
| DATE | ACCUMULATED ENGINE HOURS | ACCUMULATED ENGINE STARTS | REMARKS, INSPECTIONS, REPAIRS AND ADJUSTMENTS | SIGNATURE |
|------|--------------------------|---------------------------|---|-----------|

PAGE 1 OF 1

| | | | | | | |
|---|--------------------------|--|----------------|---------------|----------------|--|
| OE-IVG | | MAINTENANCE STATEMENT APU | | | RUAG | |
| DATE: 28.JUL.2016 | AIRCRAFT DATA | | S/N | TSN | LDG/CSN | |
| RUAG W/O NO. | TYPE | GLOBAL EXPRESS | 9081 | 4702.31 | 1958 | |
| 870008209 | APU | RE-220-GX | P-189 | 3084 | 4191 | |
| SCHEDULED MAINTENANCE COMPLETED: | | | | | | |
| THE FOLLOWING WORK HAS BEEN PERFORMED I.A.W. CAMP AND MANUFACTURER MAINTENANCE MANUAL (REFER TO DATA TABLE): | | | | | | |
| ATA | TASK / INSPECTION | DESCRIPTION | | | | |
| 05 | 750HRS APU | APU CHECK | | | | |
| 05 | 491405-001 | APU DOOR LINEAR ACTUATOR LIFE LIMIT | | | | |
| THE FOLLOWING AD / SB / SL / RO / MOD COMPLETED: | | | | | | |
| NUMBER | | DESCRIPTION | | | STATUS | |
| SB 700-49-010 REV. 1 | | LINEAR ACTUATOR ACTUATOR ARM AND TAIL - CONE AFT FITTING REPLACEMENT | | | C/W | |
| THE FOLLOWING PARTS HAVE BEEN REPLACED / OVERHAULED / MODIFIED: | | | | | | |
| PART NAME | | P/N OFF | S/N OFF | P/N ON | S/N ON | |
| ACTUATOR LINEAR APU | | 8653M0 | 99060023 | 8653M12 | VN27321 | |
| LOCATION WHERE CHECK WAS COMPLETED: <u> </u> BDNO | | | | | | |
| Signed / Stamp Print name of person signing | |  RUAG Aerospace Services GmbH PART 145 Organisation Name DE.148.0002 PART 145 Organisation Approval Reference | | | | |


 CAMP 03
 A.T.
 MG.A.006

Certificate of Release to Service

Form DE.145.0315 - 01 Rev. 03/2015

**Lufthansa Bombardier
Aviation Services**

| Manufacturer | Bombardier Aerospace | Airframe | 9081 | Engine#1 | 12279 | Engine#2 | 12276 | APU | P-189 |
|---------------|----------------------|----------|---------|----------|---------|----------|-------|-----|-------|
| Cust.WO-No: | IVG042 | S/N | 9081 | 12279 | 12276 | 12276 | P-189 | | |
| Model: | GX700 | Hours | 4991:54 | 4991:54 | 4991:54 | 4991:54 | 3407 | | |
| Registration: | OE-IVG | Cycles | 2046 | 2046 | 2046 | 2046 | 4420 | | |

Operator: Tyrolean Jet Service Nfg. GmbH & Co KG * not required

Maintenance performed From: Feb 27 / 2017 To: Mar 28 / 2017

Scheduled Maintenance -TLMC/MPD/CH5:

• 30 MONTH INSPECTION TASKS

49-11-00-201, 49-11-01-201, 49-15-00-201, 49-15-09-201, 49-80-05-201, 49-80-09-201

Scheduled Maintenance - Others:

• ADDITIONAL CUSTOMER TASK

49-APU-01

Documentation / Approved Data (except as otherwise specified):

AMM: REVISION 73, JAN 30/2017,ISSUE 92

MP: AMP-TJS-BD700,REV 3

Pertinent details of work are on file under Workorder No: **160360**

Certifies that the work specified except as otherwise specified was carried out in accordance with Part-145 and in respect to that work the aircraft / aircraft component is considered ready for release to service.

Lufthansa Bombardier Aviation Services GmbH

Place: Schoenefeld, EDDB

Date: Mar 28 / 2017

Name: Guido Westpfahl

Stamp:



Sign:

**Part-145 Approval
Reference**

DE.145.0315

| | | |
|--|--|---|
| ACC COLUMBIA Jet Service GmbH DE.145.0014 | Aircraft Certificate of Release to Service and Maintenance Statement |  |
| 9H-IVG | Work Order: 18-5115 Operators Order: IVG18-JUL | 24 Aug 2018 |
| Type: BD-700-1A10 S/N: 9081 TAT: 5 689 16 TAC 2235 | Eng#1 BR700-710A2-20 - 12279 568916hrs 2235cyc Eng#2 BR700-710A2-20 - 12276 568916hrs 2235cyc | APU: RE220 (GX) - P-189 |

The following work has been performed i.a.w. Operators Maintenance Program (for corrective action/more details please refer to work report):

| Item | Description |
|------|--|
| 1001 | PRE MAINTENANCE CHECK PER ACJ FORM 1024 |
| 1002 | 1500APU - 1500 HOUR APU |
| 1003 | 750APU - 750 HOUR APU |
| 1004 | 05-000-1000H - 1000 HOUR CHECK |
| 1005 | 351105-001B - REMOVE LH FULL FACE CREW OXYGEN MASK FOR RESTORATION 35-10-05-201 |
| 1010 | 34-11-00-101 - FUNCTIONAL TEST OF THE AIR DATA COMPUTER NO.1 |
| 1011 | 34-11-00-101 - FUNCTIONAL TEST OF THE AIR DATA COMPUTER NO.2 |
| 1012 | 49-52-00-301 - APU - CLEANING OF THE LOAD-CONTROL-VALVE INLET FILTER (LOAD CONTROL VALVE P/N 3291210-3) |
| 1013 | 243209-001A - RESTORATION APU BATTERY (24-32-09-203) |
| 1014 | 25-27-50-601 - OPERATIONAL TEST OF MOTORIZED CONFERENCE TABLE |
| 1015 | 34-12-01-201 - FUNCTIONAL TEST OF THE STANDBY AIRSPEED/ALTIMETER INDICATOR (A/C 9002 TO 9157) |
| 1016 | 243201-001A - RESTORATION AVIONICS BATTERY (24-32-01-203) |
| 1017 | 21-52-00-101 - OPERATIONAL TEST OF THE MANUAL MODE OF THE AIR CONDITIONING SYSTEM |
| 1018 | 21-53-05-101 - OPERATIONAL TEST OF THE RAM AIR VALVE |
| 1019 | 26-21-50-601 - DETAILED INSPECTION OF PORTABLE FIRE EXTINGUISHERS |
| 1020 | 26-23-04-9001A - WEIGHT CHECK AFT PORTABLE FIRE EXTINGUISHER BOTTLE |
| 1021 | 26-23-50-601 - DETAILED INSPECTION OF THE SELF-CONTAINED AUTOMATIC FIRE EXTINGUISHERS (SEE AUTO FIREX BOTTLES) |
| 1022 | 262801-001-9001 - FUNCTIONAL TEST GALLEY FIRE EXTINGUISHER BOTTLE (WEIGHT CHECK) |
| 1023 | 262801-002-9001 - FUNCTIONAL TEST FORWARD SOFA FIRE EXTINGUISHER BOTTLE (WEIGHT CHECK) |
| 1024 | 262801-003-9001 - FUNCTIONAL TEST AFT SOFA FIRE EXTINGUISHER BOTTLE (WEIGHT CHECK) |
| 1025 | 21-21-25-201 - DISCARD THE RECIRCULATION FILTERS |
| 1026 | 29-13-21-201 - FUNCTIONAL TEST OF THE NO. 3 HYDRAULIC SYSTEM ACCUMULATOR |
| 1027 | 73-12-01-201 - NO. 1 ENGINE - DISCARD THE LP FUEL FILTER |
| 1028 | 73-12-01-201 - NO. 2 ENGINE - DISCARD THE LP FUEL FILTER |
| 1029 | 79-21-02-201 - NO. 1 ENGINE - DISCARD THE PRESSURE FILTER ELEMENT |
| 1030 | 79-21-02-201 - NO. 2 ENGINE - DISCARD THE PRESSURE FILTER ELEMENT |
| 1031 | 32-00-00-301 CLEANING OF THE LANDING GEAR AND UNDERCARRIAGE AREA |
| 1032 | 72-ELIT-01 ENGINE NO: 1 ENGINE TREND MONITORING |
| 1033 | 72-ELIT-02 ENGINE NO: 2 ENGINE TREND MONITORING |
| 1034 | 31-33-00-301 DOWNLOAD OF THE QUICK ACCESS RECORDER (POST SB 700 31-026) |
| 1035 | Final Maintenance Check per ACJ Form 1039 |
| 2001 | RE220-49-8189 R03 APU - GAS TURBINE ENGINE - VISUAL INSPECTION AND SEALANT APPLICATION METHOD FOR THE EXHAUST GAS TEMPERATURE (EGT) SENSOR, PN WE3876352-1, -2, ON RE220 AUXILIARY POWER UNITS (APU) |
| 2002 | 700-57-050 REV 01 PART A - INSPECTION OF INNER FLAP FOR CORROSION |
| 2003 | 700-57-050 REV 01 PART B - INNER FLAP CORROSION PREVENTION |
| 2004 | 700-57-050 REV 01 PART C - ACCOMPLISH, SERVICE BULLETIN INNER FLAP - CORROSION REMOVAL REWORK |
| 3001 | 32-ELIT-02 ACCOMPLISH DURING ANY MAINTENANCE INTERVENTION, DO A CHECK AND READ-OUT OF THE TIRE PRESSURES |
| 3002 | 12-ELIT-01 - PERFORM DRAIN WATER FROM THE FUEL TANKS |
| 3003 | Found during Pre Maintenance Check (Item 1001) the Oxygen system needs service |
| 3004 | Found during Pre Maintenance Check (Item 1001) the oil level of RAT low |
| 3005 | Found during inspection of hydraulic system No.3 (Item 1026) the hydraulic system needs to be serviced |
| 4001 | Found during service of hydraulic system No. 3 the ecologic container cracked |
| 4002 | Found during Pre Maintenance Check (Item 1001) hydraulic leak at LH Wheel Well - Perform troubleshooting |
| 4003 | Found during Pre Maintenance Check (Item 1001) the rubber seal between Slat No.3 and No.4 defective |

The following work has been performed i.a.w. Operators Maintenance Program (for corrective action/more details please refer to work report):

Item Description

- 4004 Found during operational test of air condition (Item 1017) EICAS shows RH PACK DISCH OVERHEAT message - Perform troubleshooting i.a.w. FIM
- 4005 Found during SB 700-57-050 Rev. 1 Part A (Item 2001) corrosion inside LH inboard flap - Perform SB 700-57-050 Rev. PAR C
- 4006 Found during SB 700-57-050 Rev. 1 Part A (Item 2001) corrosion inside RH inboard flap - Perform SB 700-57-050 Rev. PAR C
- 4007 Found during service of water system the water doesn't purge from aft tank - Perform troubleshooting
- 4008 Found during removal of LH inboard flap panel (Item 4005) the attaching bolts corroded and hard to remove
- 4009 Found during removal of RH inboard flap panel (Item 4006) the attaching bolts corroded and hard to remove
- 4010 Found during troubleshooting of water system (Item 4007) the aft water tank purge valve connector has bad contact
- 4011 Found during troubleshooting of the EICAS shows RH PACK DISCH OVERHEAT message (Item 4004) the control valve filter very dirty - Replace filter
- 4012 Perform Final Repair of the Flaps i.a.w. REO 700-57-51-590
- 4013 Refer to Item 4004 - ACM Torque check out of limit -replace ACM
- 5001 180519-1 - MEL 23-13-01 - SATCOM INOP
- 5002 180619-1 PLEASE PERFORM CORRECTIVE ACTION. THE FMS COMMUNICATION WAS NOT CONFIGURED CORRECTLY. IT WAS HOLDING THE PREVIOUS TAIL NUMBER
- 5003 180409-1 AIRCRAFT ADDED TO ARINC/DIRECT - 9H/IVG/SN 9081. PLEASE ENSURE THAT THE DATALINK UNIT ONBOARD THE AIRCRAFT IS CONFIGURED FOR ARINC COVERAGE WITH THE AGENCY CODE XA
- 5006 Found during Pre Maintenance Check (Item 1001) the LH inboard landing light inop
- 5007 Found during Pre Maintenance Check (Item 1001) the aft and mid dome light in Galley Area inop
- 5008 Found during Pre Maintenance Check (Item 1001) the aft dome light at aft lavatory inop
- 5009 Found during Pre Maintenance Check (Item 1001) the dome light in forward lavatory inop
- 5010 Found during Pre Maintenance Check (Item 1001) the aft dome light in Baggage Compartment inop
- 5011 Found during Pre Maintenance Check (Item 1001) one upwash light of aft cabin (LH) inop
- 5012 Found during Pre Maintenance Check (Item 1001) the light in aft wardrobe inop
- 5013 Found during Pre Maintenance Check (Item 1001) the LH Wing inspection light inop, but it is not the bulb - Perform troubleshooting
- 5014 Found during troubleshooting of the SATCOM system (Item 5001) the RFU defective
- 5015 Found during troubleshooting of SATCOM system (Item 5001) incorrect strapping of the SDU - Perform re-strapping i.a.w. Customer provided ICAO Code
- 5016 9H-IVG-180803-1 QAR exceedance report - please check if vertical accelerometers are working properly
- 6001 Found during borescope inspection (Item 1004) plating of one igniter of LH Engine missing i.a.w. EMM 74-20-02-220
- 6002 Found during borescope inspection (Item 1004) plating of one igniter of RH Engine missing i.a.w. EMM 74-20-02-220
- 8001 Crew reported that the mirror in forward cabin is partially loose and needs to be fixed
- 8002 Please perform exterior cleaning
- 8003 Found during Pre Maintenance Check (Item 1001) erosion tape at one lower antenna missing

Additional Information:

Tech Log Reference: Book No. 110 Page 2586

i.a.w. Operator Maintenance Programm. EAU/MP/GLOBAL/01

Defects carried forward: NIL

The following components have been replaced:

| Item | Qty | Description | P/N On | S/N On | P/N off | S/N off |
|------|-----|-------------------------|---------------|----------|---------------|-----------|
| 1005 | 1 | MASK, EROS REGULATOR | MF10-08-01 | 98980 | MF-10-08-01 | SE03951-1 |
| 1025 | 1 | FILTER, RECIRCULATION | GG431-2031-1 | 8902 | GG431-2031-1 | 5617 |
| 1025 | 1 | FILTER, RECIRCULATION | GG431-2031-1 | 6751 | GG431-2031-1 | 5618 |
| 4005 | 1 | FLAP PANEL, LH, INBOARD | GM148-1001-25 | 0083 | GM148-1001-25 | 0083 |
| 4006 | 1 | FLAP PANEL, RH, INBOARD | GM148-1001-26 | 0083 | GM148-1001-26 | 0083 |
| 4013 | 1 | MACHINE, AIR CYCLE | GG431-2010-3 | 00463 | GG431-2010-3 | 00285 |
| 5014 | 1 | RADIO FREQUENCY UNIT | 7516240-60060 | 0071606 | 7516240-60060 | 01031730 |
| 5016 | 1 | ACCELEROMETER | 971-4193-001 | 18635 | 971-4193-001 | 9238 |
| 6001 | 1 | PLUG, IGNITER | Y242-5 | 07019912 | Y242-5 | 13068675 |
| 6002 | 1 | PLUG, IGNITER | Y242-5 | 07019947 | Y242-5 | 07044841 |
| 9005 | 1 | RADIO FREQUENCY UNIT | 7516240-60060 | 01031730 | 7516240-60060 | 01031730 |

Location where Maintenance was completed: Hannover [EDDV]
 Certifies that the work specified - except as otherwise specified - was carried out in accordance with Part-145 and in respect to that work the aircraft/aircraft component is considered ready for release to service.

Signed: 
 Name of Person signing: Thorsten Daniel

ACC COLUMBIA Jet Service GmbH DE.145.0014

Part 145 Organization Approval Reference

| Documents used | Rev | Issue |
|----------------|-----|-------------|
| CMM (Part One) | 58 | 31 Jul 2018 |
| Eng IPC | 52 | 15 Aug 2018 |
| Eng MM | 60 | 15 Aug 2018 |
| IPC | 78 | 31 Jul 2018 |
| MM | 79 | 31 Jul 2018 |
| NDT | 36 | 31 Jul 2018 |
| SRM | 62 | 31 Jul 2018 |
| WBM | 18 | 24 Mai 2017 |
| WOM | 72 | 31 Jul 2018 |

| Work Order: | 216995 | Aircraft Registration: | 9H-JVG | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|----------------------|---|-------------|------------|--|-------------------|------------|----------|-------------|----------------------|-------|----------------------|-------------|-------------|------------|------|------|-------|-------|-------|------|---------|---------|---------|--------|---------|------|------|------|------|
| Customer WO: | IVG18-013 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <table border="1"> <thead> <tr> <th></th> <th>Aircraft</th> <th>Engine 1</th> <th>Engine 2</th> <th>APU</th> </tr> </thead> <tbody> <tr> <td>Type:</td> <td>BD-700-1A10 (BD-700)</td> <td>BR700-710A2</td> <td>BR700-710A2</td> <td>RE220 (GX)</td> </tr> <tr> <td>S/N:</td> <td>9061</td> <td>12279</td> <td>12276</td> <td>P-109</td> </tr> <tr> <td>TSN:</td> <td>6863:27</td> <td>6863:27</td> <td>6863:27</td> <td>2935.6</td> </tr> <tr> <td>Cycles:</td> <td>2286</td> <td>2286</td> <td>2286</td> <td>4973</td> </tr> </tbody> </table> | | | | | Aircraft | Engine 1 | Engine 2 | APU | Type: | BD-700-1A10 (BD-700) | BR700-710A2 | BR700-710A2 | RE220 (GX) | S/N: | 9061 | 12279 | 12276 | P-109 | TSN: | 6863:27 | 6863:27 | 6863:27 | 2935.6 | Cycles: | 2286 | 2286 | 2286 | 4973 |
| | Aircraft | Engine 1 | Engine 2 | APU | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Type: | BD-700-1A10 (BD-700) | BR700-710A2 | BR700-710A2 | RE220 (GX) | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S/N: | 9061 | 12279 | 12276 | P-109 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TSN: | 6863:27 | 6863:27 | 6863:27 | 2935.6 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cycles: | 2286 | 2286 | 2286 | 4973 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Certifies that the work specified except as otherwise specified was carried out in accordance with Part-145 and in respect to that work the aircraft/aircraft component is considered ready for release to service.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Part-145 Organization: Bombardier Services (UK) Limited | | <table border="1"> <tr> <td>Certifying Staff:</td> <td>M. ELMASRI</td> </tr> <tr> <td>Date:</td> <td>25 NOV 2016</td> </tr> <tr> <td>Stamp/ Signature:</td> <td></td> </tr> </table> | | | | Certifying Staff: | M. ELMASRI | Date: | 25 NOV 2016 | Stamp/ Signature: | | | | | | | | | | | | | | | | | | | | |
| Certifying Staff: | M. ELMASRI | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Date: | 25 NOV 2016 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stamp/ Signature: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Part-145 Approval Reference: EASA.UK.145.01384 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Work complied with: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>9001 - 0999 AIRFRAME 0001 - C/W PRE/POST MAINTENANCE ITEMS AND PERFORM FULL INTERNAL AND EXTERNAL VIDEO (PRE/POST AIRCRAFT MAINT) AS REQUIRED 0002 - MAINTENANCE ACTIONS 0003 - PANEL HARDWARE 0004 - LEAK CHECKS 0005 - FUNCTION CHECKS 0006 - PANEL ACCESS FOR SCHEDULED MAINTENANCE 0007 - 05-000-750H - 750 HOUR CHECK 0008 - 258010-701A (750H) - DETAILED INSPECTION OF THE CREW REST PROTECTIVE BREATHING EQUIPMENT - PBE (25-60-00-209) (RECORD EXPIRY DATE) - CARRIED OUT IAW SMM 25-63-04-209 - EXPIRY DATE OCT 2023 0009 - 258010-702A (750H) - DETAILED INSPECTION OF THE FWD GALLEY PROTECTIVE BREATHING EQUIPMENT - PBE (25-60-00-209) (RECORD EXPIRY DATE) - CARRIED OUT IAW SMM 25-63-04-209 - EXPIRY DATE NOV 2024 0010 - 258010-703A (750H) - DETAILED INSPECTION OF THE AFT WARDROBE PROTECTIVE BREATHING EQUIPMENT - PBE (25-60-00-209) (RECORD EXPIRY DATE) 0011 - 25-11-05-201 (750H) - OPERATIONAL TEST OF THE INERTIA REELS AND THE INERTIA REELS CONTROLS 0012 - 25-11-09-201 (750H) - GENERAL VISUAL INSPECTION OF THE SAFETY STRAPS 0013 - 27-00-00-212 (750H) - OPERATIONAL TEST OF THE ALERON, ELEVATOR AND RUDDER POWER CONTROL UNITS (PCU) 0014 - 27-11-05-202 (750H) - OPERATIONAL TEST OF THE ROLL DISCONNECT MECHANISM 0015 - 27-31-05-202 (750H) - OPERATIONAL TEST OF THE PITCH DISCONNECT MECHANISM 0016 - 28-11-00-201 (750H) - GENERAL VISUAL INSPECTION OF THE WING-TANK EXTERNAL SURFACES 0017 - 28-11-00-202 (750H) - GENERAL VISUAL INSPECTION OF THE WING-TANK EXTERNAL COMPONENTS 0018 - 28-12-00-201 (750H) - GENERAL VISUAL INSPECTION OF THE AFT FUEL TANK DRAIN-MAST 0019 - 28-13-00-202 (750H) - OPERATIONAL TEST OF THE VENT SYSTEM 0020 - 28-21-00-202 (750H) - VISUAL CHECK OF THE SHROUD DRAINS 0021 - 28-12-00-201 (750H) - VISUAL CHECK OF THE NO.1 AND NO.2 HYDRAULIC FILTER DIFFERENTIAL-PRESSURE INDICATORS - INDICATORS FOUND IN NON-EXTENDED POSITION 0022 - 29-13-00-201 (750H) - VISUAL CHECK OF THE NO.3 HYDRAULIC FILTER DIFFERENTIAL-PRESSURE INDICATORS - INDICATORS FOUND IN NON-EXTENDED POSITION 0023 - 30-41-00-202 (750H) - FUNCTIONAL TEST OF THE WINDSHIELD RAIN- REPELLANT LAYER - RAIN REPELLENT LAYER FOUND ACCEPTABLE 0024 - 32-11-01-201 (750H) - DETAILED INSPECTION OF THE MAIN LANDING GEAR (MLG) SHOCK STRUT EXTENSION - LH STRUT FOUND WITHIN LIMITS & RH STRUT FOUND TO BE LOW - REFER TO SVO 0119 FOR RECTIFICATION 0025 - 32-21-01-201 (750H) - DETAILED INSPECTION OF THE NOSE LANDING GEAR (NLG) SHOCK STRUT EXTENSION - STRUT PRESSURE / HEIGHT WITHIN LIMITS 0026 - 32-43-07-201 (750H) - VISUAL CHECK OF THE BRAKE-PEDAL RETURN SPRING 0027 - 32-43-25-201 (750H) - OPERATIONAL TEST OF THE BRAKE SHUT-OFF VALVE 0028 - 32-00-00-201 (750H) - VISUAL CHECK OF THE LANDING GEAR POSITION AND WARNING SYSTEM 0029 - 34-32-00-201 (750H) - DETAILED INSPECTION OF THE ELECTRO-OPTICAL HYGROMETER SENSOR (IF HUDS INSTALLED)</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| 0030 | - 52-11-00-208 (750H) - VISUAL CHECK OF THE PASSENGER-DOOR VENT- FLAP MECHANISM |
| 0031 | - 21-21-00-201 (750H) - OPERATIONAL TEST OF THE RECIRC SWITCH |
| 0032 | - 33-50-00-202 (750H) - OPERATIONAL TESTS OF THE EMERGENCY LIGHTS |
| 0033 | - 256000-001A (750H) - DETAILED INSPECTION PILOT LIFE VEST (25-60- 00-208) - EXPIRY DATE FEB 2020 |
| 0034 | - 256010-001A (750H) - DETAILED INSPECTION FLIGHT COMPARTMENT PROTECTIVE BREATHING EQUIPMENT - PBE (25-60-00-208) |
| 0035 | - 256000-002A (750H) - DETAILED INSPECTION CO-PILOT LIFE VEST (25- 60-00-208) - EXPIRY DATE FEB 2020 |
| 0038 | - 256000-003A (750H) - DETAILED INSPECTION 3RD CREW MEMBER LIFE VEST (25-60-00-208) |
| 0037 | - 05-000-2250H - 2250 HOUR CHECK |
| 0038 | - 361121-001A (2250H) - DISCARD LH PNEUMATIC TEMP THERMOSTAT OF THE (THC) FILTER (36-11-21-201) |
| 0039 | - 361121-002A (2250H) - DISCARD RH PNEUMATIC TEMP THERMOSTAT OF THE (THC) FILTER (36-11-21-201) |
| 0040 | - 21-31-00-201 (2250H) - OPERATIONAL TEST OF THE MANUAL MODE |
| 0041 | - 26-21-00-201 (2250H) - VISUAL CHECK OF THE SINGLE-PATH DISCHARGE LINES |
| 0042 | - 26-21-13-201 (2250H) - OPERATIONAL TEST OF THE ENGINE FIRE-HANDLE CIRCUIT, RELATED CIRCUITS AND REPLAY |
| 0043 | - 26-21-13-202 (2250H) - OPERATIONAL TEST OF THE APU FIRE-HANDLE CIRCUIT, RELATED CIRCUITS AND RELAYS |
| 0044 | - 27-11-05-201 (2250H) - FUNCTIONAL TEST OF THE ROLL DISCONNECT MECHANISM |
| 0045 | - 27-31-05-201 (2250H) - FUNCTIONAL TEST OF THE PITCH DISCONNECT MECHANISM |
| 0046 | - 27-31-17-201 (2250H) - OPERATIONAL TEST OF THE ELEVATOR POWER- CONTROL UNIT (PCU) LOAD LIMITERS |
| 0047 | - 28-22-00-201 (2250H) - OPERATIONAL TEST OF THE AFT-TANK MANUAL- TRANSFER SYSTEM |
| 0048 | - 28-22-00-202 (2250H) - OPERATIONAL TEST OF THE WING TO WING MANUAL-TRANSFER SYSTEM |
| 0049 | - 29-14-00-201 (2250H) - FUNCTIONAL TEST OF THE RAM AIR TURBINE (RAT) HYDRAULIC FLUID-HEATING SYSTEM |
| 0050 | - 30-11-09-202 (2250H) - OPERATIONAL TEST OF THE WING X-BLEED SYSTEM |
| 0051 | - 30-21-05-201 (2250H) - GENERAL VISUAL INSPECTION OF THE COWL ANTI-ICE VALVE DUCTS |
| 0052 | - 30-81-01-201 (2250H) - OPERATIONAL TEST OF THE ICE DETECTORS - SYSTEM OPERATES AS REQUIRED |
| 0053 | - 52-11-00-201 (2250H) - FUNCTIONAL TEST OF THE PASSENGER DOOR MECHANISM |
| 0054 | - 05-000-3000H - 3000 HOUR CHECK |
| 0055 | - 21-21-17-201 (3000H) - OPERATIONAL TEST OF THE BULKHEAD CHECK VALVES |
| 0056 | - 21-31-00-203 (3000H) - OPERATIONAL TEST OF THE DITCHING FUNCTION |
| 0057 | - 21-31-11-201 (3000H) - DISCARD THE SAFETY VALVES FILTERS |
| 0058 | - 215109-001A (3000H) - RESTORATION LH OZONE CONVERTER (21-51-09- 201) - LH OZONE CONVERTER REMOVED & REPLACED IAW AMM 21-51-09-000/400-801 |
| 0059 | - 27-11-25-102 (3000H) - FUNCTIONAL TEST OF THE ALERON PCU BUNGEE |
| 0060 | - 27-21-09-101 (3000H) - OPERATIONAL TEST OF THE RUDDER POWER- CONTROL UNIT (PCU) INPUT LIMITERS |
| 0061 | - 27-52-57-101 (3000H) - DETAILED INSPECTION OF THE FLAP ROLLERS |
| 0062 | - 27-53-09-101 (3000H) - FUNCTIONAL TEST OF THE SLAT SYSTEM ACTUATORS |
| 0063 | - 27-61-05-201 (3000H) - OPERATIONAL TEST OF THE FLIGHT-CONTROL UNIT (FCU) BACK-UP MODULES |
| 0064 | - 28-21-29-201 (3000H) - OPERATIONAL (INTERNAL LEAK) TEST OF THE ENGINE FEED SHUT-OFF VALVES |
| 0065 | - 63-2L-00-217 (3000H) - GENERAL VISUAL INSPECTION OF THE FUSELAGE NOSE SECTION - EXTERNAL - VARIOUS AMOUNTS OF PAINT DAMAGE FOUND TO FUSELAGE ABOVE & BELOW WINDSHIELDS, RADOME & THE EROSION TAPE AND TO THE RAM AIR TURBINE DOOR, AND FUSELAGE AT THE NLG DOORS - REFER TO SVO 5001, 5002 & 0016 FOR RECTIFICATION |
| 0066 | - 215109-002A (3000H) - RESTORATION RH OZONE CONVERTER (21-51-09- 201) - RH OZONE CONVERTER REMOVED & NEW FITTED IAW AMM 21-51-09-000/400-801 |
| 0067 | - 38-13-50-601 (3000H) - RESTORE POTABLE WATER TREATMENT UNIT |
| 0068 | - 21-60-00-101 OPERATIONAL TEST OF THE AUXILIARY PRESSURIZATION FUNCTION (CMR**) - NO DEFECTS |
| 0069 | - 25-27-50-601 OPERATIONAL TEST OF MOTORIZED CONFERENCE TABLE |
| 0070 | - 25-60-00-603-21A RESTORE NR. 16 PASSENGER LIFE VEST - REPLACEMENT OF NR. 16 PASSENGER LIFE VEST CARRIED OUT IAW SMM 25-60-00 |
| 0071 | - 25-60-00-603-22A RESTORE INFANT LIFE VEST (25-60-00-603) - INFANT LIFE VEST RESTORED IAW SMM 25-60-00 |
| 0072 | - 25-60-00-603-23A RESTORE INFANT LIFE VEST (25-60-00-603) - INFANT LIFE VEST RESTORED IAW SMM 25-60-00 |
| 0073 | - 25-60-00-603-24A RESTORE INFANT LIFE VEST (25-60-00-603) - INFANT LIFE VEST RESTORED IAW SMM 25-60-00 |
| 0074 | - 25-60-00-606A FIRST AID KIT - REF SVO 0075 |
| 0075 | - 25-60-00-606 DETAILED INSPECTION KIT FIRST AID/MEDICAL KITS (DO NOT OPEN IF SEALED) - FIRST AID KIT TO BE REPLACED - REFER TO SVO 0074 |
| 0076 | - 27-11-25-101 FUNCTIONAL TEST OF THE ALERON POWER CONTROL UNIT (PCU) (CMR*) |
| 0077 | - 27-31-21-101 FUNCTIONAL TEST OF THE ELEVATOR POWER CONTROL UNITS (PCU) (CMR**) - NO DEFECTS |
| 0078 | - 27-60-00-101 OPERATIONAL TEST OF THE SPOILER POWER-CONTROL UNITS (PCU) (CMR**) |
| 0079 | - 335105-701 (XL245B) EMERGENCY LIGHTS BATTERY - REF SVO 0080 |
| 0080 | - 335105-701A TEST (XL245B) EMERGENCY LIGHTS BATTERY ENERGY LEVEL (SMM BD-700 CH33-51-00 REV B) |
| 0081 | - 335105-702 (XL245B) EMERGENCY LIGHTS BATTERY - REF SVO 0082 |
| 0082 | - 335105-702A TEST (XL245B) EMERGENCY LIGHTS BATTERY ENERGY LEVEL (SMM BD-700 CH33-51-00 REV B) |
| 0083 | - 62-31-09-101 DETAILED INSPECTION OF THE BAGGAGE DOOR SEAL (CMR**) - NO DEFECTS |
| 0084 | - 21-31-09-101 FUNCTIONAL TEST OF THE SAFETY VALVES (CMR**) - NO DEFECTS |
| 0085 | - 262301-001A FUNCTIONAL TEST FLIGHT COMPARTMENT PORTABLE FIRE EXTINGUISHER BOTTLE - WEIGHT RECORDED AT 2.463KG & WITHIN LIMITS |
| 0086 | - 262301-001D DETAIL INSPECTION OF THE FLIGHT COMPARTMENT PORTABLE FIRE EXTINGUISHER BOTTLE |
| 0087 | - 27-21-13-101 FUNCTIONAL TEST OF THE RUDDER POWER CONTROL UNITS (PCU) (CMR**) |



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| 0088 | 27-41-09-103 | DETAILED INSPECTION PITCH TRIM ACTUATOR (CMR*) – NO DEFECTS |
| 0089 | 27-81-17-101 | OPERATIONAL TEST OF THE GROUND LIFT DUMPING (CMR*) – NO DEFECTS |
| 0090 | 32-31-09-101 | VISUAL CHECK OF THE LANDING GEAR ELECTRONIC UNIT (LG ECU)(CMR**) |
| 0091 | 351104-725B | LIFE LIMIT FWD CABIN LH #1 PASSENGER O2 MASK (DROP DOWN) MASK |
| 0092 | 351104-710B | LIFE LIMIT FWD CABIN LH #2 PASSENGER O2 MASK (DROP DOWN) MASK |
| 0093 | 351104-711B | LIFE LIMIT FWD CABIN LH #3 PASSENGER O2 MASK (DROP DOWN) MASK |
| 0094 | 351104-712B | LIFE LIMIT FWD CABIN LH #4 PASSENGER O2 MASK (DROP DOWN) MASK |
| 0095 | 351104-713B | LIFE LIMIT FWD CABIN LH #5 PASSENGER O2 MASK (DROP DOWN) MASK |
| 0096 | 351104-714B | LIFE LIMIT FWD CABIN LH #6 PASSENGER O2 MASK (DROP DOWN) MASK |
| 0097 | 351104-715B | LIFE LIMIT FWD CABIN LH #7 PASSENGER O2 MASK (DROP DOWN) MASK |
| 0098 | 351104-716B | LIFE LIMIT FWD CABIN LH #8 PASSENGER O2 MASK (DROP DOWN) MASK |
| 0099 | 351104-717B | LIFE LIMIT FWD CABIN RH #1 PASSENGER O2 MASK (DROP DOWN) MASK |
| 0100 | 351104-718B | LIFE LIMIT FWD CABIN RH #2 PASSENGER O2 MASK (DROP DOWN) MASK |
| 0101 | 351104-719B | LIFE LIMIT FWD CABIN RH #3 PASSENGER O2 MASK (DROP DOWN) MASK |
| 0102 | 351104-720B | LIFE LIMIT FWD CABIN RH #4 PASSENGER O2 MASK (DROP DOWN) MASK |
| 0103 | 351104-721B | LIFE LIMIT FWD CABIN RH #5 PASSENGER O2 MASK (DROP DOWN) MASK |
| 0104 | 351104-722B | LIFE LIMIT FWD CABIN RH #6 PASSENGER O2 MASK (DROP DOWN) MASK |
| 0105 | 351104-723B | LIFE LIMIT FWD CABIN RH #7 PASSENGER O2 MASK (DROP DOWN) MASK |
| 0106 | 351104-724B | LIFE LIMIT FWD CABIN RH #8 PASSENGER O2 MASK (DROP DOWN) MASK |
| 0107 | 32-11-00-201 | LUBRICATION OF THE MAIN LANDING GEAR (MLG) AND COMPONENTS |
| 0108 | 32-21-00-201 | LUBRICATION OF THE NOSE LANDING GEAR (NLG) AND COMPONENTS |
| 0109 | 71-14-01-201 (2250H) | GENERAL VISUAL INSPECTION OF FIXED COWL SEALS - SEE SVO'S 2017 AND 2417 |
| 0110 | 78-10-01-201 (2250H) | GENERAL VISUAL INSPECTION OF THE EXHAUST NOZZLE - SEE SVO'S 2001 AND 2401 |
| 0111 | 32-12-00-201 | LUBRICATION OF THE MAIN LANDING GEAR (MLG) DOORS |
| 0112 | 32-22-00-201 | LUBRICATION OF THE NOSE LANDING GEAR (NLG) DOORS |
| 0113 | 9H-IVG-181114-1 | POTABLE WATER SYSTEM - LOW FLOW TO REAR LAVATORY COMPARTMENT - INVESTIGATE/RECTIFY |
| 0114 | 9H-IVG-181115-1 | PILOT SEAT - RH ARM REST WORN - LOOSE SCREW - INVESTIGATE AND RECTIFY |
| 0115 | 9H-IVG-181115-2 | CARGO DOOR - PROTECTION COVER - LOOSE SCREWS - RECTIFY - 6X FASTENERS FOUND LOOSE AT BAGGAGE DOOR FLOOR THRESHOLD PLATE - ALL RE-TORQUED IAW SPM 20-21-00-910-801 |
| 0116 | | RADOME EROSION TAPE SHOW SIGNS OF DAMAGE - REPAIR/REPLACE AS REQUIRED - RADOME EROSION TAPE INSPECTED - NO DAMAGE ON EROSION TAPE FOUND |
| 0117 | | STATIC WICK ON LH HORIZONTAL STAB DAMAGED - REPAIR/REPLACE AS REQUIRED - STATIC WICK FOUND TO BE DAMAGED BEYOND REPAIR. STATIC WICK BASE REPLACED IAW AMM 23-81-05-400-803. BONDING TEST CARRIED OUT IAW SPM 51-80-00 WITH NO DEFECTS |
| 0118 | | AFT FUEL TANK FUEL SHROUD DRAIN LINES FOUND CRACKED - REPLACE AS REQUIRED - FUEL DRAIN LINE FROM LH FUEL TRANSFER PIPE COUPLING DRAIN TO LOWER T JUNCTION RENEWED IAW SPM 20-22-00-02 |
| 0119 | | RH MAIN LANDING GEAR SHOCK STRUT PRESSURE / EXTENSION FLOW LOW - CARRY OUT STRUT SERVICING - RH MAIN LANDING GEAR STRUT SERVICED / SET TO THE CORRECT PRESSURE AND HEIGHT IAW AMM 32-11-01-220-801 |
| 0120 | | NO 1 VFG ORANGE FEEDER CABLE FOUND TO BE CHAFFING ON NO1 ENGINE OIL TANK - INVESTIGATE AND REPAIR AS REQUIRED - CABLE REMOVED FROM T3 TERMINAL, HEAT-SHRINK APPLIED FOR PROTECTION, CABLE REFITTED TO T3 TERMINAL OF VFG. TERMINAL NUT TORQUED TO 100 INCH POUNDSM WIRING ADJUSTING TO PREVENT FUTURE CHAFFING. CARRIED OUT IAW AMM 24-21-01 & SPM 20-14-00VSIU |
| 0121 | | FIRST AID KIT VENDOR UNABLE TO CARRY OUT RESTORATION REPLACEMENT NEEDED |
| 1001 - 1009 AVIONICS | | |
| 1001 | 24-25-00-202 (750H) | VISUAL CHECK OF THE DIFFERENTIAL PRESSURE INDICATOR |
| 1002 | 24-21-01-201 (750H) | DETAILED INSPECTION OF THE MAIN GENERATOR OIL SUPPLY |
| 1003 | 23-71-00-201 (2250H) | OPERATIONAL TEST OF THE VOICE RECORDER SYSTEM |
| 1004 | 24-23-01-101 | OPERATIONAL TEST OF THE RAM AIR TURBINE (RAT)(CMR*) - CANCELLED BY CUSTOMER, EMAIL ATTACHED |
| 1005 | 23-ELIT-01 | OPERATIONAL CHECK AND EVALUATIONS OF THE COCKPIT VOICE RECORDER (CVR INTELLIGIBILITY CHECK - ACM1 CAT GEN.MPA.195(B) AND EASA SIB 2009-028R1) |
| 1006 | 31-33-00-301 | DOWNLOAD OF THE QUICK ACCESS RECORDER (POST SB 700-31-026) - QAR DOWNLOAD CARRIED OUT, SENT TO CUSTOMER AND QAR DATA ERASED IAW AMM 31-33-00-970-801 |
| 1007 | 31-ELIT-01 | OPERATIONAL CHECKS AND EVALUATION OF FLIGHT DATA RECORDER (FDR) - ACM1 CAT.GEN.MPA.196(B) |
| 1008 | 34-ELIT-01 | MODE S TRANSPONDER TESTING IN ACCORDANCE WITH RECOMMENDATIONS SPECIFIED IN EASA SIB NO.2011-15 |
| 1009 | 31-31-01-700-801 | PERFORM SOLID STATE FLIGHT DATA RECORDER BENCH TEST - CANCELLED BY CUSTOMER - SEE ATTACHED EMAIL |
| 1010 | 9H-IVG-181115-4 | PAX AUDIO PANELS - RECTIFY - REFER TO ENCLOSED CUSTOMER SUPPLIED INFORMATION |
| 2001 - 2009 LAI ENGINE | | |
| 2001 | 78-10-01-201 (750H) | NO.1 ENGINE - GENERAL VISUAL INSPECTION OF THE EXHAUST NOZZLE |
| 2002 | 78-10-02-201 (750H) | NO.1 ENGINE - GENERAL VISUAL INSPECTION OF THE EXHAUST CONE |
| 2003 | 72-31-02-201 (750H) | NO.1 ENGINE - DETAILED INSPECTION OF THE LP COMPRESSOR BLADES |
| 2004 | 72-32-02-201 (750H) | NO.1 ENGINE - DETAILED INSPECTION OF THE LP COMPRESSOR OUTLET GUIDE-VANES |
| 2005 | 72-32-02-202 (750H) | NO.1 ENGINE - DETAILED INSPECTION OF THE LP COMPRESSOR ENGINE STATOR-VANES |
| 2006 | 79-21-04-201 (750H) | NO.1 ENGINE - DETAILED INSPECTION OF THE FRONT-BEARING-CHAMBER MAGNETIC CHIP DETECTOR |



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| 2007 - 79-21-04-202 (750H) | - NO.1 ENGINE - DETAILED INSPECTION OF THE REAR-BEARING-CHAMBER MAGNETIC CHIP DETECTOR |
| 2008 - 79-21-04-203 (750H) | - NO.1 ENGINE - DETAILED INSPECTION OF THE ACCESSORY-GEARBOX MAGNETIC CHIP-DETECTOR |
| 2008 - 73-00-00-201 (750H) | - NO.1 ENGINE - GENERAL VISUAL INSPECTION OF THE FUEL SYSTEM COMPONENTS |
| 2010 - 74-30-01-201 (750H) | - NO.1 ENGINE - OPERATIONAL TEST OF THE IGNITION SWITCH |
| 2011 - 71-10-00-201 (2250H) | - NO.1 ENGINE - GENERAL VISUAL INSPECTION OF THE COWLS |
| 2012 - 71-10-00-202 (2250H) | - NO.1 ENGINE - GENERAL VISUAL INSPECTION OF THE COWL DOOR SEALS |
| 2013 - 71-11-01-201 (2250H) | - NO.1 ENGINE - DETAILED INSPECTION OF THE INLET-COWL AERODYNAMIC SURFACES |
| 2014 - 71-11-01-202 (2250H) | - NO.1 ENGINE - DETAILED INSPECTION OF THE INLET-COWL FASTENERS AND ATTACHMENT RING |
| 2015 - 71-11-01-203 (2250H) | - NO.1 ENGINE - GENERAL VISUAL INSPECTION OF THE INLET-COWL REAR-BULKHEAD FIREWALL-MATERIAL (EXTERNAL SURFACES) |
| 2016 - 71-14-01-202 (2250H) | - NO.1 ENGINE - DETAILED INSPECTION OF THE FIXED COWL |
| 2017 - 71-14-01-201-01 (2250H) | - NO.1 ENGINE - GENERAL VISUAL INSPECTION FIXED COWL SEALS |
| 2018 - 78-30-00-201 (2250H) | - NO.1 ENGINE - GENERAL VISUAL INSPECTION OF THE THRUST-REVERSER THERMAL BLANKET |
| 2019 - 78-33-05-201 (2250H) | - NO.1 ENGINE - VISUAL CHECK OF THE TERTIARY LOCK HOOK |
| 2020 - 79-11-00-202 (2250H) | - NO.1 ENGINE - FUNCTIONAL TEST OF THE ENGINE OIL TANK - READING WITHIN LIMITS |
| 2021 - 71-ZL-00-202 (3000H) | - NO.1 ENGINE - GENERAL VISUAL INSPECTION OF THE NACELLE - LH |
| 2022 - 71-ZL-00-203 (3000H) | - NO.1 ENGINE - GENERAL VISUAL INSPECTION OF THE ENGINE - INTERNAL LH - FOUND ORANGE CABLE FROM VFG NO 1 WORN THROUGH INSTALLATION DUE TO CONTACT WITH GEARBOX - REFER TO SVO 0120 FOR RECTIFICATION |
| 2023 - 72-34-01-201 (3000H) | - NO.1 ENGINE - GENERAL VISUAL INSPECTION OF THE LP-COMPRESSOR CASE KEVLAR-WRAP |
| 2024 - 9H-IVG-181024-1 | CARRY OUT LUBRICATION OF NO.1 ENGINE THRUST REVERSERS - TRACKS/MECHANISMS/LATCHES - OP CHECK ON COMPLETION |
| 2025 - 2 X NICKS FOUND ON NO1 ENGINE FAN BLADES - 1 ON TIP AND 1 ON LEADING EDGE - INVESTIGATE AND REPAIR - LP COMPRESSOR BLADES NO 5 AND NO 11 FOUND WITH DAMAGE. BLADE NO 5 DAMAGE / NICK ON TIP LEADING EDGE, 1.55MM DEEP AND 7.2MM FROM TIP OF BLADE, CROPPING OF THE TIP REQUIRED ZONE AD BLADE NO 11 DAMAGE LOCATED 225MM FROM TIP ON LEADING EDGE DEPTH OF DAMAGE 1.05MM, FAN BLADE NO 5 ALREADY REMOVED FROM ENGINE - REFER TO SVO 2028. REPAIR OF NO 5 FAN BLADE LEADING EDGE BY CROPPING CARRIED OUT IAW EMM 72-31-02-350-801 - CROPPED AREA 1.70MM DEEP AT TIP AND 22.25MM LENGTH, WITHIN LIMITS. NDT INSPECTION CARRIED OUT & NO CRACKS FOUND. FAN BLADE NO 11 ALREADY REMOVED, REFER TO SVO 2028. REPAIR TO BLADE NO 11 OF THE LEADING EDGE CARRIED OUT. REPAIR CARRIED OUT AT 225MM FROM TIP. DAMAGE DEPTH 1.05MM AND WITHIN LIMITS | |
| 2026 - NO1 FAN BLADES FOUND TO HAVE EXCESSIVE SIDE TO SIDE MOVEMENT - INVESTIGATE AND REPAIR | |
| 2027 - NO1 ENGINE OIL BREATHING BELLOWES FOUND TO BE LEAKING - INVESTIGATE AND REPAIR - NO 1 ENGINE AGB BELLOWES REPLACED TO SOLVE FAULT IAW EMM 61-71-06-000-801 & 71-71-06-400-801 | |
| 2401 - 3799 R/H ENGINE | |
| 2401 - 78-10-01-201 (750H) | - NO.2 ENGINE - GENERAL VISUAL INSPECTION OF THE EXHAUST NOZZLE |
| 2402 - 78-10-02-201 (750H) | - NO.2 ENGINE - GENERAL VISUAL INSPECTION OF THE EXHAUST CONE |
| 2403 - 72-31-02-201 (750H) | - NO.2 ENGINE - DETAILED INSPECTION OF THE LP COMPRESSOR BLADES |
| 2404 - 72-32-02-201 (750H) | - NO.2 ENGINE - DETAILED INSPECTION OF THE LP COMPRESSOR OUTLET GUIDE-VANES - SEALANT MISSING, REFER TO SVO 2427 FOR RECTIFICATION |
| 2405 - 72-32-02-202 (750H) | - NO.2 ENGINE - DETAILED INSPECTION OF THE LP COMPRESSOR ENGINE STATOR-VANES |
| 2406 - 79-21-04-201 (750H) | - NO.2 ENGINE - DETAILED INSPECTION OF THE FRONT-BEARING-CHAMBER MAGNETIC CHIP DETECTOR |
| 2407 - 79-21-04-202 (750H) | - NO.2 ENGINE - DETAILED INSPECTION OF THE REAR-BEARING-CHAMBER MAGNETIC CHIP DETECTOR |
| 2408 - 79-21-04-203 (750H) | - NO.2 ENGINE - DETAILED INSPECTION OF THE ACCESSORY-GEARBOX MAGNETIC CHIP-DETECTOR |
| 2409 - 73-00-00-201 (750H) | - NO.2 ENGINE - GENERAL VISUAL INSPECTION OF THE FUEL SYSTEM COMPONENTS |
| 2410 - 74-30-01-201 (750H) | - NO.2 ENGINE - OPERATIONAL TEST OF THE IGNITION SWITCH |
| 2411 - 71-10-00-201-02 (2250H) | - NO.2 ENGINE - GENERAL VISUAL INSPECTION OF THE COWLS |
| 2412 - 71-10-00-202-02 (2250H) | - NO.2 ENGINE - GENERAL VISUAL INSPECTION OF THE COWL DOOR SEALS |
| 2413 - 71-11-01-201-02 (2250H) | - NO.2 ENGINE - DETAILED INSPECTION OF THE INLET-COWL AERODYNAMIC SURFACES |
| 2414 - 71-11-01-202-02 (2250H) | - NO.2 ENGINE - DETAILED INSPECTION OF THE INLET-COWL FASTENERS AND ATTACHMENT RING |
| 2415 - 71-11-01-203-02 (2250H) | - NO.2 ENGINE - GENERAL VISUAL INSPECTION OF THE INLET-COWL REAR-BULKHEAD FIREWALL-MATERIAL (EXTERNAL SURFACES) |
| 2416 - 71-14-01-202-02 (2250H) | - NO.2 ENGINE - DETAILED INSPECTION OF THE FIXED COWL |
| 2417 - 71-14-01-201-02 (2250H) | - NO.2 ENGINE - GENERAL VISUAL INSPECTION FIXED COWL SEALS |
| 2418 - 78-30-00-201-02 (2250H) | - NO.2 ENGINE - GENERAL VISUAL INSPECTION OF THE THRUST-REVERSER THERMAL BLANKET |
| 2419 - 78-33-05-201-02 (2250H) | - NO.2 ENGINE - VISUAL CHECK OF THE TERTIARY LOCK HOOK - EMS CDU BREAKERS R FADEC CHA & CHB, R ENG ON 1 & 2, R ENG FUEL HP/SOV, R ENG START A & B, R THRUST REVERSER CONTROL VALVE AND R THRUST REVERSER UPPER & LOWER LOCL SET TO 'OUT'. ALL BREAKERS PULLED, RECORDED ON CIRCUIT BREAKER TAG OUT LOG IAW AMM 78-33-05-210-802 - NO DEFECTS FOUND |
| 2420 - 79-11-00-202 (2250H) | - NO.2 ENGINE - FUNCTIONAL TEST OF THE ENGINE OIL TANK - READING WITHIN LIMITS |
| 2421 - 71-ZL-00-201 (3000H) | - NO.2 ENGINE - GENERAL VISUAL INSPECTION OF THE NACELLE - RH |
| 2422 - 71-ZL-00-204 (3000H) | - NO.2 ENGINE - GENERAL VISUAL INSPECTION OF THE ENGINE - INTERNAL RH |
| 2423 - 72-34-01-201 (3000H) | - NO.2 ENGINE - GENERAL VISUAL INSPECTION OF THE LP-COMPRESSOR CASE KEVLAR-WRAP |
| 2424 - 9H-IVG-181024-1 | CARRY OUT LUBRICATION OF NO.2 ENGINE THRUST REVERSERS - TRACKS/MECHANISMS/LATCHES - OP CHECK ON COMPLETION - CANCELLED BY CUSTOMER - SEE ATTACHED EMAIL |
| 2425 - 242101-004 RB (NO.4) | VARIABLE FREQUENCY AC (40KVA) GENERATOR - SEE SVO 2428 - X4 VFG REPLACED IAW AMM 24-21-01-400-801 - NO DEFECTS |



2426 - 242101-004A (3000H) DISCARD OF THE VFG OIL FILTER (24-25-00-201) - X4 VFG REPLACED - NEW UNIT FITTED WITH NEW FILTER FROM OVERHAUL IAW AMM 24-21-01-400-801
2427 - NO.2 ENGINE - OGV SEALANT IN POOR CONDITION - REPAIR/REPLACE AS REQUIRED -- REMOVED NO 2 ENGINE ROTATING FAIRING IAW EMM 72-38-01-000-801. ENGINE NO 2 ROTATING FAIRING INSTALLED IAW EMM 72-38-01-400-801. REMOVED NO 2 ENGINE ROTATING RING AND ANNULUS FILLERS NO 1 & NO 24 ONLY TO FACILITATE NO 1 BLADE RENEWAL IAW EMM 72-31-02-000-802
ENGINE 2 NO RETAINING RING AND ANNULUS FILLER INSTALLED IAW EMM 72-31-02-802. REMOVED BLADE NO 1 ONLY FROM NO 2 ENGINE. ENGINE NO 2 FAN BLADE INSTALLED
2428 - NO2 ENGINE FOUND TO HAVE EXCESSIVE OIL ON OUTSIDE OF ENGINE AND OIL BREATHER BELLOWS LEAKING - INVESTIGATE AND REPAIR - X2 AGB BREAKER OUTLET TUBE FLEXIBLE BELLOWS REPLACED ON NO 2 ENGINE IAW EMM 71-71-06-400-801

2801 - 2899 APU

2801 - 48-70-00-201 (750H) - VISUAL CHECK OF THE APU INDICATING SYSTEM
2802 - 48-21-00-301 APU - CLEANING OF THE AUXILIARY POWER UNIT (APU) COMBUSTOR (PRE SB RE220-49-7813)

3001 - 3499 AD/SE

3001 - 700-24-087 REV 01 PART C ACCOMPLISH. SERVICE BULLETIN MODIFICATION - REPLACEMENT OF VFG - SB700-24087 REV 1 PART C COMPLIED WITH - NO 4 GENERATOR REPLACED IAW AMM 24-21-01-400-801 & NO 4 GENERATOR FILLED IAW AMM 24-12-00-612-801

4001 - 4999 INTERIOR

4001 - CO-PILOTS SEAT UNABLE TO BE MOVED FORE AND AFT - INVESTIGATE AND REPAIR - INVESTIGATION PERFORMED - FOUND CABLE OF LEVER ASSY BROKEN. LEVER ASSY REPLACED IAW AMM 25-11-00-400-801

5001 - 5999 PAINT

5001 - PAINT ON FUSELAGE AT RAM AIR TURBINE DOOR MISSING - RESTORE SURFACE FINISH
5002 - VARIOUS AREAS OF PAINT FOUND MISSING ON FWD FUSELAGE - ABOVE AND BELOW BOTH WINDSCREENS AND AROUND NLG DOORS - RESTORE SURFACE FINISH AS REQUIRED

7501 - 7599 NON AC MAINTENANCE

7501 - NON-MAINTENANCE TASKS

Work carried forward:

NIL

| SVO / Part Installation | p/n off | s/n off | p/n on | s/n on |
|--------------------------------|---------------|---------------|---------------------|---------------|
| 0068 - OZONE CONVERTER LH | GG431-2001-3 | 8206 | GG431-2001-3 | 7334 |
| 0068 - OZONE CONVERTER RH | GG431-2001-3 | 8116 | GG431-2001-3 | 8858 |
| 0070 - LIFE JACKET | 63800-105 | L2288925 | 63800-105 | L4217071 |
| 0071 - INFANT LIFE VEST | P06040-101 | D12828 | S-10002-1302 | S-1882-3 |
| 0072 - INFANT LIFE VEST | S-10002-1402 | 10033-1600 | S-10033-1302-889002 | 01-08-1484 |
| 0073 - INFANT LIFE VEST | S-1002-1402 | 2617-1880 | S-10002-1302-889002 | 01-08-1420 |
| 0074 - FIRST AID KIT | First Aid Kit | First-Aid-007 | AFAK | 221118-003LEW |
| 0079 - EMERGENCY BATTERY | 100-0540-03 | 1169 | 100-0540-03 | 1316 |
| 0081 - EMERGENCY BATTERY | 100-0540-03 | 1300 | 100-0540-03 | 1220 |
| 0091 TO 0106 INC- 18 OXY MASKS | 289-801-228 | N/A | 289-801-228 | N/A |
| 3001 - GENERATOR VAR FREQ | GL511-1103-9 | 5044 | GL511-1103-9 | 2189 |
| 4001 - LEVER ASSY P2 SEAT | 871828-205 | UNKNOWN | 871828-205 | L/N1001003420 |

AMM: Revision 60 dated Oct 25/2018

IPC: Revision 79 dated Oct 25/2018

SMM: Initial Release dated Mar 15/2003

SIPC: Initial Release dated May 16/2003

Pertinent details of the maintenance are on file at this facility and at customer under W/O No: 216855



| DATE | ACCUMULATED ENGINE HOURS | ACCUMULATED ENGINE STARTS | REMARKS, INSPECTIONS, REPAIRS AND ADJUSTMENTS | SIGNATURE |
|-------------|--------------------------|---------------------------|--|------------------|
| 5-31-2019 | 3978.84 | 5057 | Accomplished APU Preservation IAW Global Express Amm 10-15-00 620-801 & Honeywell SB 49-7997 APU P/N RE 220 (GX) S/N P-189 Workorder #223583 | J/S2477 LSVR6034 |
| 12 Aug 2019 | 3978.84 | 5057 | Removed APU From BD-700 SN 9081 N/869AP For Storage During AIRCRAFT Disassembly | SR-ATP 308027 |



Henderson Jet Services, LLC
1960 S. Austin Ave. Ste. 105
Georgetown, Texas 78626
(512) 240-4266
www.flyHJS.com

AIRCRAFT NON-ACCIDENT / INCIDENT STATEMENT

Aircraft Model: Bombardier 2003 Bombardier Global Express

Aircraft Serial No: 9081

Aircraft Registration No: N869AP

AFTT:5927.0 AFTC: 2413

Engines: Rolls-Royce BR700-710A2-20

LH Engine Serial No: 12279

TT: 5927.0 TC: 2413

RH Engine Serial No: 12276

TT: 5927.0 TC: 2413

APU: Honeywell RE-220 (GX) SN: P-189 TT: 3978.84 TC: 5057

Seller hereby certifies the above described aircraft and associated components, were not involved in or exposed to accident or incidents as detailed in ICAO Annex 13, salt water immersion, or exposure to corrosion agents outside of normal operation or maintenance or operation by any military or governmental organization while under operational control of seller (up to the date of this statement). Seller will be solely responsible to warranty and defend this statement against all claims and demands forever to Purchaser and Purchaser's successors and assigns.

Seller:

Henderson Jet Services, LLC

By: 

Print: Charles Henderson

Title: President

Date: June 15, 2019

| | | |
|---|--|--|
| 1. Approving Civil Aviation Authority / Country: FAA/UNITED STATES | 2. AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3 AIRWORTHINESS APPROVAL TAG | 3. Form Tracking Number: 20200129101354 |
|---|--|--|

| | |
|---|--|
| 4. Organization Name and Address: FAA CRS GR4R216M Gulfstream Aerospace Corporation One Product Support Road Savannah, GA 31407 | 5. Work Order / Contract / Invoice Number: RC629927.1.1 |
|---|--|

| 6.Item: | 7.Description: | 8.Part Number: | 9.Quantity: | 10.Serial Number: | 11.Status/Work: |
|---------|------------------|----------------|-------------|-------------------|-----------------|
| 1. | APU RE220[GX] | WE3800714-1 | 1 | P-189 | TESTED |

12. Remarks:

Complied with test cell run and long term preservation per Honeywell RE-220(GX) CMM 49-24-35 Rev. 5 dated June 1, 2014.

APU preserved for long term storage per Honeywell SB 49-7997. Owner/Operator is required to remove desiccant packs from inlet and exhaust (1 pack each), drain fuel system of preservative and service oil system with approved engine oil prior to use.

Certifies that the work specified in Block 11/12 was carried out in accordance with EASA Part 145 and in respect to that work the component is considered ready for release to service under EASA Part 145 approval no. EASA 145-4501.

TSN **3,978.84** TSO **N/A** CSN **5,057** CSO **N/A**

| | |
|--|--|
| 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. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input checked="" type="checkbox"/> Other regulations 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.: FAA CRS GR4R216M | 14b. Authorized Signature: | 14c. Approval/Certificate No.: FAA CRS GR4R216M |
| 13d. Name (Typed or Printed): John C. Byram | 13e. Date(dd/mm/yyyy): 29 Jan 2020 | 14d. Name (Typed or Printed): John C. Byram | 14e. Date(dd/mm/yyyy): 29 Jan 2020 |

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine / propeller / article.

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 aircraft engine(s) / propeller(s) / article(s) 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.

Repair Station:

500 Gulfstream Rd. - Savannah, Georgia 31407

Work Order: **RC629927**

Title: **Henderson Jet Services**

Department: **CR Cust Prop Rpr**

Customer: **Henderson Jet Services**

Contact Name:

Status: **Open**

Address: **BILLING ADDRESS**

Account Code: **BH322**

P.O. #: **RO2101**

210 S. Main Street

Target Date: **1/30/2020**

Invoice #: **5520-010694**

Created: **1/21/2020**

Date Closed:

Posted:

Item: **1 RE220GX APU**

Part #: **WE3800714-1**

Serial #: **P-189**

Squawk: **1.1**

Discrepancy: **GLOBAL XRS 9081 N869AP**

Status: **Completed**

Visually inspect, test and tag.

Resolution: **TESTED APU ASSEMBLY**

P/N: WE3800714-1

S/N: P-189

TSN: 3,978.84

CSN: 5,057

Complied with test cell run and long term preservation per Honeywell RE-220(GX) CMM 49-24-35 Rev. 5 dated June 1, 2014.

APU preserved for long term storage per Honeywell SB 49-7997. Owner/Operator is required to remove desiccant packs from inlet and exhaust (1 pack each), drain fuel system of preservative and service oil system with approved engine oil prior to use.

The following items were replaced with New:

Oil Filter P/N: WE3881767-1

Generator Oil Filter P/N: WE3881767-1

Fuel Filter P/N: 3882496-1

Signed Off: **1/29/2020 1:22:45PM** By: **LANDAUER, JASON MICHAEL-316165**

Inspected: **1/29/2020 1:32:17PM** By: **BYRAM, JOHN-310847**

Completed: **1/29/2020 1:32:17PM** By: **BYRAM, JOHN-310847**

Step: **1.1.1**

Description: **Comply with Incoming Inspection**

Status: **Completed**

Comments/notes: **Complied with Incoming Inspection**

Signed Off: **1/28/2020 11:17:56PM** By: **MALDONADO, RICHARD-314236**

Inspected: **1/29/2020 6:08:03AM** By: **BYRAM, JOHN-310847**

Completed: **1/29/2020 6:08:23AM** By: **BYRAM, JOHN-310847**

Step: **1.1.2**

Description: **Check to see if customer is on MSP.**

Status: **Completed**

Comments/notes: **MSP: Not MSP**

Signed Off: **1/28/2020 11:18:06PM** By: **MALDONADO, RICHARD-314236**

Inspected: **1/29/2020 6:08:28AM** By: **BYRAM, JOHN-310847**

Completed: **1/29/2020 6:08:28AM** By: **BYRAM, JOHN-310847**

Step: **1.1.3**

Description: **CALIBRATED TOOLS USED:**

Status: **Completed**

Comments/notes: **T/W 557750, 557751, 557752**

Cal Due 12/20,

Signed Off: **1/28/2020 11:19:07PM** By: **MALDONADO, RICHARD-314236**

Inspected: **1/29/2020 6:08:31AM** By: **BYRAM, JOHN-310847**

Repair Station:

500 Gulfstream Rd. - Savannah, Georgia 31407

Work Order: **RC629927**

Title: **Henderson Jet Services**

Department: **CR Cust Prop Rpr**

Completed: **1/29/2020 6:08:31AM** By: **BYRAM, JOHN-310847**

Step: **1.1.4**

Description: **Checked current revision status for all manuals used during Repair of APU**

Status: **Completed**

Comments/notes: **Honeywell RE 220 (GX) CMM 49-24-35 Rev. 6 dated 6/9/2016.**

Signed Off: **1/29/2020 10:29:27AM** By: **BYRAM, JOHN-310847**

Completed: **1/29/2020 10:29:28AM** By: **BYRAM, JOHN-310847**

Squawk: **1.2**

Discrepancy: **APU requires test cell evaluation.**

Status: **Completed**

Resolution: **Complied wiht Testcell performance run per Honeywell RE 220 (GX) CMM 49-24-35 Rev. 6 dated 6/9/2016.**

Signed Off: **1/29/2020 1:32:43PM** By: **LANDAUER, JASON MICHAEL-316165**

Inspected: **1/29/2020 1:32:56PM** By: **BYRAM, JOHN-310847**

Completed: **1/29/2020 1:32:56PM** By: **BYRAM, JOHN-310847**

Repair Station:

500 Gulfstream Rd. - Savannah, Georgia 31407

Work Order: **RC629927**

Title: **Henderson Jet Services**

Department: **CR Cust Prop Rpr**

* End of Report *

WORK ORDER NO.: RC629927

DATE OF COMPLETION: 1/29/2020

APU MODEL: RE220GX
APU TOTAL TIME: 3,978.84
APU TOTAL CYCLES: 5,057

APU SERIAL NO.: P-189
APU HOUR METER: 3,978.84
APU CYCLE COUNTER: 5,057

Complied with test cell run and long-term preservation per Honeywell RE-220(GX) CMM 49-24-35 Rev. 5 dated June 1, 2014.

The following items were replaced with new:

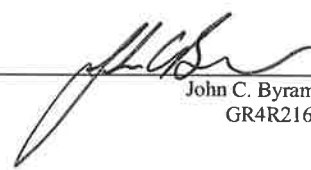
- Oil Filter P/N: WE3881767-1
- Generator Oil Filter P/N: WE3881767-1
- Fuel Filter P/N: 3882496-1

Complied with Service Bulletin(s): 49-7997

Owner / Operator is required to remove desiccant packs from inlet and exhaust (1 pack each), drain fuel system of preservative, and service oil system with approved engine oil prior to use.

I certify that this APU has been repaired / inspected under the Honeywell Inspection/Repair Manual and Component Maintenance Manual with regards to the maintenance accomplished. Further details of this repair and related maintenance are on file at this repair station under the above work order. A copy of the work order has been provided to the operator.

AUTHORIZED SIGNATURE: _____


John C. Byram / mp
GR4R216M



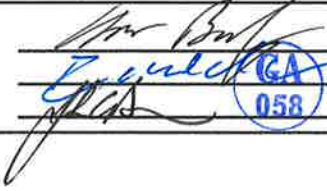
| | | | |
|---|--|-----------------------------|---------------|
| PART NO. <u>WE3800714-1</u> | | SERIAL NO. <u>P-189</u> | |
| CUSTOMER <u>Henderson Jet Services</u> | | WORK ORDER <u>RC629927</u> | |
| AIRFLOW MEASURING SECTION SEC NO. <u> </u> | | OIL TYPE MIL- <u>2380</u> | TYPE <u>—</u> |
| SLAVE ECU P/N <u> </u> | | FUEL TYPE MIL- <u>Jet A</u> | TYPE <u>—</u> |
| ECU SOFTWARE VERSION <u> </u> | | SLAVE ECU S/N <u> </u> | |

| ITEM | UNITS | REQUIRED | RECORD |
|---|---------|----------|--------|
| APU DRY WEIGHT | Lb | 240 Max. | 240 |
| TOTAL NUMBER OF STARTS DURING TEST PERIOD | NUMBER | 3 to 100 | 4 |
| TOTAL OPERATING TIME DURING TEST PERIOD | HOURS | 1 to 25 | 2 |
| START TIME | SECONDS | 40 MAX. | 22 |
| TIME TO STARTER CUTOFF | SECONDS | 20 MAX. | 10 |

| | | |
|-----------------|--|-----------------------|
| LRU FAULTS SEEN | NONE <input checked="" type="checkbox"/> | COMMENT <u> </u> |
| UNIT STATUS | ACCEPT <input checked="" type="checkbox"/> | REJECT <u> </u> |

REMARKS:

| | |
|---|-----------------------|
| TECHNICIAN <u><i>[Signature]</i></u> | DATE <u>1/28/2020</u> |
| SUPERVISOR <u><i>[Signature]</i></u> | DATE <u>1/28/2020</u> |
| QUALITY ASSURANCE <u><i>[Signature]</i></u> | DATE <u>1/29/2020</u> |



DATE: 28-Jan-2020


SERIAL NO: P-189 MODEL NO: RE220 [GX]

| | CMM Step | No Load | | 104°F ECS | | 122°F MES | | |
|-----------------------------------|-------------|---------|------------|-----------|----------|-----------|----------|--------|
| | | Units | Required | Record | Required | Record | Required | Record |
| BAROMETRIC PRESSURE | PSIA | | 14.72 | | 14.72 | | 14.73 | |
| AVERAGE INLET TEMPERATURE | °F | | 52.1 | | 53.3 | | 53.8 | |
| INLET PRESSURE | PSIA | | 14.72 | | 14.72 | | 14.72 | |
| OIL PRESSURE | PSIG | 65 - 75 | 71.5 | 65 - 75 | 71.0 | 65 - 75 | 71.0 | |
| OIL TEMPERATURE | °F | | 67 | 170 - 200 | 199 | 170 - 200 | 199 | |
| GEARBOX PRESSURE | PSIG | 1.0 max | 0.08 | 1.0 max | 0.06 | 1.0 max | 0.05 | |
| UNIT EXHAUST GAS TEMPERATURE | No. 1 | °F | 536 | | 1027 | | 968 | |
| | No. 2 | °F | 504 | | 1030 | | 964 | |
| | Delta 1 - 2 | °F | ± 75 | 31 | ± 75 | -3 | ± 75 | 4 |
| EXHAUST GAS TOTAL TEMPERATURE | ACTUAL | °F | 544 | 1072 max | 1065 | | 998 | |
| | CORRECTED** | °F | | | 945 | 1117 max | 1035 | |
| EXHAUST GAS STATIC PRESSURE | PSIA | | 16.43 | | 16.48 | | 16.50 | |
| ORIFICE INLET PRESSURE | PSIA | | | | 61.3 | | 63.3 | |
| ORIFICE INLET TEMPERATURE | °F | | | | 382 | | 404 | |
| ORIFICE DELTA PRESSURE | PSID | | | | 2.26 | | 1.83 | |
| BLEED DISCHARGE CORRECTED AIRFLOW | ACTUAL | LB/MIN | | | | 30 - 32 | 31.3 | |
| | CORRECTED* | LB/MIN | | | | | 31.3 | |
| | CORRECTED** | LB/MIN | | | | | 31.0 | |
| BLEED AIRFLOW | ACTUAL | LB/MIN | | | 116.3 | | 105.0 | |
| | CORRECTED* | LB/MIN | | 87.3 min | 87.3 | | | |
| | CORRECTED** | LB/MIN | | | 103.9 | | | |
| BLEED TOTAL PRESSURE | ACTUAL | PSIA | | | 63.2 | | 64.8 | |
| | CORRECTED* | PSIA | | | 55.7 | | 58.2 | |
| | CORRECTED** | PSIA | | 56.1 min | 58.1 | 54.6 MIN | 58.3 | |
| BLEED TOTAL TEMPERATURE | ACTUAL | °F | | | 434 | | 434 | |
| | CORRECTED* | °F | | | 494 | | 507 | |
| | CORRECTED** | °F | | | 494 | 510 MAX | 507 | |
| FUEL CONSUMPTION | ACTUAL | LB/HR | 171.045148 | | 293.4 | | 278.9 | |
| | CORRECTED* | LB/HR | | | 248.6 | | | |
| | CORRECTED** | LB/HR | | 290. max | 226.4 | | | |
| SHAFT POWER | ACTUAL | HP | | | 66.9 | | 64.3 | |
| | CORRECTED* | HP | | 63.9 Min | 66.8 | 63.9 Min | 64.2 | |
| APU SPEED | RPM | | 45643 | | 45643 | | 45644 | |
| UNIT VIBRATION | ACCESSORY | IN/SEC | 0.50 max | 0.05 | 0.50 max | 0.09 | 0.50 max | 0.09 |
| | TURBINE | IN/SEC | 0.75 max | 0.21 | 0.75 max | 0.26 | 0.75 max | 0.25 |
| DIGITAL DATA SCAN | TIME | | 20:18 | | 22:35 | | 22:44 | |
| | DATE | | 01/28/20 | | 01/28/20 | | 01/28/20 | |
| DIGITAL DATA POINT NUMBER | ----- | | | | | | | |

* CORRECTED TO 104°F (ECS) OR 122°F (MES), INSTALLED SEA LEVEL CONDITIONS

** CORRECTED TO MINIMUM ECS BLEED AIRFLOW REQUIREMENT OF 87.3 LB/MIN OR MES BLEED DISCHARGE CORRECTED AIRFLOW OF 31.0 LB/MIN

Service Bulletin Compliance Record

| BULLETIN NUMBER | DATE OF COMPLIANCE | SIGNATURE |
|-----------------|--------------------|---|
| 49-7825 | 18 AUGUST 2006 | S. Blatin  |
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| SB Number | Rev | Description / Compliance Statement | HRS | CYC | Where | When |
|-----------|-----|--|-----|-----|-------|------|
| 49-7350 | | REPLACE PLUG W/FILTER HSG, AND THE OIL FILTER ELEMENTS W/ BOLT PARTS. | UNK | UNK | UNK | PCW |
| 49-7352 | | REPL. FUEL NOZZLES, AND COMBUSTOR ASSEMBLIES. | UNK | UNK | UNK | PCW |
| 49-7354 | | REPL IGNITION EXCITER, WE3876295-2 W/ -3 | UNK | UNK | UNK | PCW |
| 49-7359 | | REPLACE T-WHEEL, PN WE897994-1, WITH WE897994-3 | UNK | UNK | UNK | PCW |
| 49-7360 | | RPL FUEL NOZZLE BOLTS, MS9489-06 W/ -05 | UNK | UNK | UNK | PCW |
| 49-7362 | | REPLACE LUBE PN WE3881600-1 WITH WE3881781-1 | UNK | UNK | UNK | PCW |
| 49-7412 | | REPLACE GEARBOX WK3805054-3 W/-5 AND WK3805055-2 W/-4 | UNK | UNK | UNK | PCW |
| 49-7525 | | REPLACE FCU, PN 441950-1 W/441950-2 | UNK | UNK | UNK | PCW |
| | | | UNK | UNK | | |

Repair Station Certification Number ZN3R03M Signature




| SB Number | Rev | Description / Compliance Statement | HRS | CYC | Where | When |
|-----------|-----|--|-----|-----|-------|---------|
| 49-7536 | | REPLACE ATOMIZER GASKET PN MS9372-031 WITH 651-542-9401 | UNK | UNK | UNK | PCW |
| 49-7558 | | REMOVE/REPLACE EGT SENSOR, PN WE3876282-1 W/PN WE3876352-1 AND RPL/RWK WIRING HARNESS, PN WB3888400-1 W/PN WE3888471-1. | UNK | UNK | UNK | PCW |
| 49-7634 | | REPLACE COMPRESSOR ROTOR, COMPRESSOR SHROUD, RADIAL DIFFUS AND SCROLL HOUSING | UNK | UNK | UNK | PCW |
| 49-7658 | | REPLACE FUEL FLOW DIVIDER SOLENOID, PN WE3883738-1, WITH WE3883738-2 | UNK | UNK | PHX | 8192005 |
| 49-7694 | | ONE TIME INSPECTION/REPLACEMENT OF COUPLING CLAMP, PN 234-511-9059, T-BOLT. | UNK | UNK | UNK | PCW |
| 49-7761 | | REPLACE TURBINE BEARING OIL TUBES, PN WE3881391-1/-2 WITH PN WE3881884-1/-2. | UNK | UNK | PHX | 8192005 |
| 49-7772 | | REPLACE SPLINE SHAFT PN- WE8979977-3 W/ WE3822661-1 | UNK | UNK | PHX | 8192005 |
| 49-7792 | | REPLACE COMPRESSOR SHROUD, PART NO.WB3827383-1 WITH REPAIRED COMPRESSOR SHROUD, PART NO. WB3827 | UNK | UNK | PHX | 8192005 |
| | | | UNK | UNK | | |

Repair Station Certification Number ZN3R03M Signature




LIFE LIMITED PART CARD

10312978

PART NAME ROTOR TURBINE 2ND STAGE

PART NUMBER _____

SERIAL NUMBER 000134504899 A
15 08-01-05

ASSY. PART NUMBER WE897994-3

| DATE | | ENGINE | AIRCRAFT | TIME ON PART THIS INSTALLATION | | TOTAL TIME ON THIS PART | | REMARKS |
|-----------|---------------------|------------------|--------------|--------------------------------|--------------|-------------------------|-------|-----------------|
| INSTALLED | REMOVED | SERIAL NO. | SERIAL NO. | CYCLE | HOURS | CYCLE | HOURS | |
| Nov-00 | | P-189 | — | 00:00 | 00:00 | 00:00 | 00:00 | Production |
| | 08-01-05 | P-189 | — | — | — | 1318.0 | 901.0 | CRS ZN3R030M |
| 8-17-05 | | P-189 | — | | | 1318.0 | 901.0 | CRS ZN3R030M |
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Honeywell International Inc.
Engines & Systems
P.O. Box 52181
Phoenix, Arizona 85072-2181

AX6167-4

LIFE LIMITED PART CARD

10312978

PART NAME ROTOR ASSY. 1ST STAGE

PART NUMBER _____

SERIAL NUMBER 002241000316

ASSY. PART NUMBER WK3840141-3

| DATE | | ENGINE | AIRCRAFT | TIME ON PART THIS INSTALLATION | | TOTAL TIME ON THIS PART | | REMARKS |
|--------------------|----------|------------|------------|--------------------------------|--------------|-------------------------|-------|--|
| INSTALLED | REMOVED | SERIAL NO. | SERIAL NO. | CYCLE | HOURS | CYCLE | HOURS | |
| Nov-00 | | P-189 | — | 00:00 | 00:00 | 00:00 | 00:00 | <i>Production</i> CRS CRS ZN3R030M ZN3R030M |
| 8-17-05 | 08-01-05 | P-189 | — | — | — | 1318.0 | 901.0 | |
| | | P-189 | — | — | — | 1318.0 | 901.0 | |
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Phoenix, Arizona 85072-2181

AX6167-4

LIFE LIMITED PART CARD

10312978

PART NAME IMPELLER LF

PART NUMBER _____

SERIAL NUMBER 992268300052

ASSY. PART NUMBER WB3822380-3

| DATE | | ENGINE | AIRCRAFT | TIME ON PART THIS INSTALLATION | | TOTAL TIME ON THIS PART | | REMARKS |
|-----------|---------------------|------------------|--------------|--------------------------------|--------------|-------------------------|------------------|-------------------|
| INSTALLED | REMOVED | SERIAL NO. | SERIAL NO. | CYCLE | HOURS | CYCLE | HOURS | |
| Nov-00 | | P-189 | — | 00:00 | 00:00 | 00:00 | 00:00 | <i>Production</i> |
| | 08-01-05 | P-189 | — | — | — | 1318.0 | 901.0 | CRS ZN38030M |
| | 8-17-05 | P-189 | — | — | — | 1318.0 | 901.0 | CRS ZN38030M |
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Engines & Systems
P.O. Box 52181
Phoenix, Arizona 85072-2181

AX6167-4

| | | |
|---|---|--|
| 1. Approving National Aviation Authority/Country: FAA/United States | 2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG | 3. Form Tracking Number: 5900014542 |
|---|---|--|

| | |
|--|---|
| 4. Organization Name and Address: Honeywell International, Inc. 1944 E. Sky Harbor Circle Phoenix, AZ 85034 | 5. Work Order/Contract/Invoice Number: 5900014542 HK5125-001001 |
|--|---|

| 6. Item: | 7. Description: | 8. Part Number: | 9. Eligibility:* | 10. Quantity: | 11. Serial / Batch No: | 12. Status / Work: |
|----------|-----------------|-------------------------------------|------------------|---------------|------------------------------------|--------------------|
| 001 | RE220GX | WE3800714-1 MODS: 13, 15, 16, 18 | N/A | 000001 | P-189 TRACE # 07590-473966-001R | REPAIRED |

13. Remarks:

REPAIR ORDER NUMBER: 473966-001
 PART HAS BEEN WORKED AND INSPECTED IN ACCORDANCE WITH: MANUAL #: 49-24-35 REVISION: 02
 SER BUL: SEE MAINT LOG
 TSN: 901.00 CSN: 1318
 ORI: SEE MAINT LOG EA NO: SEE MAINT LOG

THIS FORM 8130-3 REPLACES THE LOST FORM 8130-3 DATED AUG/19/2005
 FOR EASA CUSTOMERS ONLY:
 "HONEYWELL CERTIFIES THAT THE WORK SPECIFIED IN BLOCK 12 AND 13 WAS PERFORMED IN ACCORDANCE WITH EASA IMPLEMENTATION RULE PART 145 APPROVAL, AND WITH RESPECT TO THAT WORK, THE AIRCRAFT COMPONENT IS CONSIDERED READY FOR RELEASE TO SERVICE UNDER EASA APPROVAL NUMBER 145.4136"

| | | | |
|---|--------------------------------|--|--|
| 14. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 13 | | 19. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input checked="" type="checkbox"/> Other regulation specified in Block 13 Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 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. | |
| 15. Authorized Signature: | 16. Approval/Authorization No: | 20. Authorized Signature: <i>Robert Vonderhaar</i> | 21. Approval/Certificate No: ZN3R030M |
| 17. Name (Typed or Printed): | 18. Date (m/d/y): | 22. Name (Typed or Printed): ROBERT VONDERHAAR | 23. Date (m/d/y): AUG/19/2005 |

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 14 & 19 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.

RE220 [GX] ACCEPTANCE TEST DATA SHEET

PAGE 1 OF 2
DSC-WE3800714-1E

DATE: 08/19/05

USED WITH: TI-WE3800714

ATP 31-13270 REV. D C

UNIT OUTLINE: WE3800714-1 MODEL NO: RE220 [GX] SERIAL NO: P- 189
 TEST CELL NO: D115 REPAIR ORDER NO: 1189-473966
 PRODUCTION RELEASE NO: N/A OIL USED: MIL-L-23699 II
 AIRFLOW MEASURING SEC NO: 071484 (6x3) FUEL USED: ASTM-D-1655A
 ECU PART NO: 2118990-3 ECU SERIAL NO: 55-K0156 ECU LAB SLAVE: YES NO
 ECU SOFTWARE VERSION: GX03.00.00

| ITEM | ATP SECTION | UNITS | REQUIRED | RECORD |
|------------------------------------|-------------|---------|-----------|--------|
| APU DRY WEIGHT (FROM APU TRAVELER) | 3.1.1 | LBS. | 240 MAX | N/R |
| TOTAL NUMBER OF STARTS DURING ATP | - | NUMBER | 3 TO 100 | 3 |
| TOTAL OPERATION TIME DURING ATP | - | HOURS | 1.0 TO 25 | 1:12 |
| AUTOMATIC START TIME | 3.2.4 | SECONDS | 40 MAX | 27 |
| TIME TO STARTER CUTOFF | 3.2.4 | SECONDS | 20 MAX | 9 |
| LRU FAULTS OBSERVED | 3.2.2 | NA | NONE | NONE |

UNIT STATUS: ACCEPTED REJECTED

REMARKS: Stability Factor = 252

TECHNICIAN: Lin Sam FT 469 DATE: 8/19/05
 SUPERVISOR: Rick Bell FT 176 DATE: 8-19-05
 QUALITY ASSURANCE: W. Name QC 114 DATE: 8-19-05

RE220 [GX] ACCEPTANCE TEST DATA SHEET

PAGE 2 OF 2
DSC-WE3800714-1E

DATE: 08/19/05

USED WITH: TI-WE3800714

ATP 31-13270 REV. D

UNIT OUTLINE: WE3800714-1 MODEL NO: RE220 [GX] SERIAL NO: P- 189

TEST CELL NO: D115

| | | ATP SEC. | 4.1 | | 4.2 | | 4.3 | |
|-----------------------------------|-------------|----------|----------|----------|----------|----------|----------|----------|
| | | | NO LOAD | | 104F ECS | | 122F MES | |
| | | UNITS | REQUIRED | RECORD | REQUIRED | RECORD | REQUIRED | RECORD |
| BAROMETRIC PRESSURE | | PSIA | | 14.10 | | 14.11 | | 14.11 |
| AVERAGE INLET TEMPERATURE | | °F | | 78.0 | | 80.7 | | 80.5 |
| INLET PRESSURE | | PSIA | | 14.1 | | 14.1 | | 14.1 |
| OIL PRESSURE | | PSIG | 65-75 | 70.8 | 65-75 | 70.6 | 65-75 | 70.5 |
| OIL TEMPERATURE | | °F | | 177. | 170-200 | 184. | 170-200 | 190. |
| GEARBOX PRESSURE | | PSIG | 1.0 MAX | .08 | 1.0 MAX | .10 | 1.0 MAX | .10 |
| UNIT EXHAUST GAS TEMPERATURE | NO. 1 | °F | | 501. | | 1041. | | 969. |
| | NO. 2 | °F | | 517. | | 1029. | | 960. |
| | DELTA 1 - 2 | °F | | | ± 75 | 13. | ± 75 | 9. |
| EXHAUST GAS | ACTUAL | °F | | 525. | 1072 MAX | 1066. | | 991. |
| TOTAL TEMPERATURE | CORRECTED** | °F | | | | 1038. | 1117 MAX | 1097. |
| EXHAUST GAS STATIC PRESSURE | | PSIA | | 13.91 | | 13.97 | | 13.96 |
| ORIFICE INLET PRESSURE | | PSIA | | | | 56.2 | | 58.3 |
| ORIFICE INLET TEMPERATURE | | °F | | | | 429. | | 430. |
| ORIFICE DELTA PRESSURE | | PSID | | | | 2.16 | | 1.66 |
| BLEED DISCHARGE CORRECTED AIRFLOW | ACTUAL | LB/MIN | | | | 35.7 | 31.0 +1 | 31.1 |
| | CORRECTED* | LB/MIN | | | | | | 31.1 |
| | CORRECTED** | LB/MIN | | | | | | 31.0 |
| BLEED AIRFLOW | ACTUAL | LB/MIN | | | | 106.6 | | 95.6 |
| | CORRECTED* | LB/MIN | | | 87.3 MIN | 91.2 | | |
| | CORRECTED** | LB/MIN | | | | 87.3 | | |
| BLEED TOTAL PRESSURE | ACTUAL | PSIA | | | | 58.2 | | 59.8 |
| | CORRECTED* | PSIA | | | | 58.1 | | 56.1 |
| | CORRECTED** | PSIA | | | 56.1 MIN | 58.7 | 54.6 MIN | 56.1 |
| BLEED TOTAL TEMPERATURE | ACTUAL | °F | | | | 454. | | 453. |
| | CORRECTED* | °F | | | | 479. | | 495. |
| | CORRECTED** | °F | | | | 479. | 510 MAX | 495. |
| FUEL CONSUMPTION | ACTUAL | LB/HR | | 149.7 | | 277.0 | | 262.0 |
| | CORRECTED* | LB/HR | | | | 268.8 | | |
| | CORRECTED** | LB/HR | | | | 263.6 | | |
| SHAFT POWER | ACTUAL | HP | | | | 61.7 | | 61.7 |
| | CORRECTED* | HP | | | 63.9 MIN | 64.3 | 63.9 MIN | 64.3 |
| APU SPEED | | RPM | | 45600. | | 45600. | | 45600. |
| UNIT VIBRATION | ACCESSORY | IN/SEC | 0.50 MAX | .09 | 0.50 MAX | .11 | 0.50 MAX | .11 |
| | TURBINE | IN/SEC | 0.75 MAX | .33 | 0.75 MAX | .42 | 0.75 MAX | .33 |
| DIGITAL DATA SCAN | | TIME | | 07:24 | | 08:53 | | 09:04 |
| | | DATE | | 08/19/05 | | 08/19/05 | | 08/19/05 |
| DIGITAL DATA POINT NUMBER | | ---- | | 1001 | | 1002 | | 1003 |

*CORRECTED TO 104°F (ECS) OR 122°F (MES), INSTALLED, SEA LEVEL CONDITIONS

**CORRECTED TO MINIMUM ECS BLEED AIRFLOW REQUIREMENT OF 87.3 LB/MIN OR MES BLEED DISCHARGE CORRECTED AIRFLOW OF 31.0 LB/MIN

JOB/EQU: 320-0763 VER: 2.05 REV: 09/11/03 IDMS:320-2052 VER: 4.55 REV: 06/16/05



RE220(GX) ACCEPTANCE TEST DATA SHEET

PAGE 2 OF 2
DSC-WE3800714-1E

DATE: 11/17/00

USED WITH: TI-WE3800714

ATP 31-13270 REV. D

UNIT OUTLINE: WE3800714-1 MODEL NO: RE220(GX) SERIAL NO: P- 189

TEST CELL NO: D112

| | ATP SEC. | 4.1 | | 4.2 | | 4.3 | |
|-----------------------------------|-------------|---------|----------|----------|----------|----------|----------|
| | | NO LOAD | | 104F ECS | | 122F MES | |
| | | UNITS | REQUIRED | RECORD | REQUIRED | RECORD | REQUIRED |
| BAROMETRIC PRESSURE | PSIA | | 14.21 | | 14.21 | | 14.21 |
| AVERAGE INLET TEMPERATURE | °F | | 51.6 | | 54.6 | | 55.5 |
| INLET PRESSURE | PSIA | | 14.2 | | 14.2 | | 14.2 |
| OIL PRESSURE | PSIG | 65-75 | 72.4 | 65-75 | 71.7 | 65-75 | 71.9 |
| OIL TEMPERATURE | °F | | 173. | 170-200 | 196. | 170-200 | 191. |
| GEARBOX PRESSURE | PSIG | 1.0 MAX | .09 | 1.0 MAX | .14 | 1.0 MAX | .16 |
| UNIT EXHAUST GAS TEMPERATURE | NO. 1 | °F | | 485. | | 1021. | 919. |
| | NO. 2 | °F | | 453. | | 1048. | 932. |
| | DELTA 1 - 2 | °F | | | ± 75 | ± 75 | -13. |
| EXHAUST GAS TOTAL TEMPERATURE | ACTUAL | °F | | 494. | 1072 MAX | 1067. | 954. |
| | CORRECTED** | °F | | | | 1050. | 1117 MAX |
| EXHAUST GAS STATIC PRESSURE | PSIA | | 14.02 | | 14.08 | | 14.07 |
| CRIFICE INLET PRESSURE | PSIA | | | | 58.3 | | 61.5 |
| ORIFICE INLET TEMPERATURE | °F | | | | 400. | | 406. |
| CRIFICE DELTA PRESSURE | PSID | | | | 2.64 | | 1.79 |
| BLEED DISCHARGE CORRECTED AIRFLOW | ACTUAL | LB/MIN | | | | 38.1 | 31.0 ±1 |
| | CORRECTED* | LB/MIN | | | | | 30.9 |
| | CORRECTED** | LB/MIN | | | | | 30.9 |
| BLEED AIRFLOW | ACTUAL | LB/MIN | | | | 118.6 | 100.5 |
| | CORRECTED* | LB/MIN | | | 87.3 MIN | 89.7 | |
| | CORRECTED** | LB/MIN | | | | 87.3 | |
| BLEED TOTAL PRESSURE | ACTUAL | PSIA | | | | 60.0 | 62.6 |
| | CORRECTED* | PSIA | | | | 58.7 | 56.5 |
| | CORRECTED** | PSIA | | | 56.1 MIN | 59.0 | 54.6 MIN |
| BLEED TOTAL TEMPERATURE | ACTUAL | °F | | | | 432. | 432. |
| | CORRECTED* | °F | | | | 484. | 500. |
| | CORRECTED** | °F | | | | 484. | 510 MAX |
| FUEL CONSUMPTION | ACTUAL | LB/HR | | 160.2 | | 290.0 | 268.0 |
| | CORRECTED* | LB/HR | | | | 264.6 | |
| | CORRECTED** | LB/HR | | | | 261.4 | |
| SHAFT POWER | ACTUAL | HP | | | | 62.6 | 63.6 |
| | CORRECTED* | HP | | | 63.9 MIN | 64.7 | 63.9 MIN |
| APU SPEED | RPM | | 45615. | | 45615. | | 45600. |
| UNIT VIBRATION | ACCESSORY | IN/SEC | 0.50 MAX | .22 | 0.50 MAX | .22 | 0.50 MAX |
| | TURBINE | IN/SEC | 0.75 MAX | .23 | 0.75 MAX | .23 | 0.75 MAX |
| DIGITAL DATA SCAN | TIME | | | 08:27 | | 08:37 | 08:48 |
| | DATE | | | 11/17/00 | | 11/17/00 | 11/17/00 |
| DIGITAL DATA POINT NUMBER | ----- | | | 1001 | | 1002 | 1003 |

*CORRECTED TO 104°F (ECS) OR 122°F (MES), INSTALLED, SEA LEVEL CONDITIONS
 **CORRECTED TO MINIMUM ECS BLEED AIRFLOW REQUIREMENT OF 87.3 LB/MIN OR
 MES BLEED DISCHARGE CORRECTED AIRFLOW OF 31.0 LB/MIN

10312978

C52320TR

HONEYWELL INTERNATIONAL

RUN DATE: 07/15/05 TIME: 12 :56:01
 RECEIVED RELEASE SCHEDULE
 DATE DATE DATE
 07/14/05 07/15/05 08/13/05

REPAIR ORDER #: 473966
 ITEM #: 001
 INVOICE #:
 PURCHASE ORDER #: 5900014542
 WARRANTY CLAIM #:
 WARRANTY CODE: WHW
 QUOTE PRICE: 0.00

CUST: A0128
 NAME: LEARJET
 TYPE: AIRLINE
 CONTRACT #:

DPAS RATING:

PRELIMINARY INSTR: REPAIRED

PRIORITY M/I WTY SPECIAL HANDLING

 Y REPAIRED

RECEIVING: LOG BOOK REC.

| QTY | PART RECEIVED / REQUIRED | SERIAL NUMBER |
|-------|--------------------------|---------------|
| 00001 | WE3800714-1 | P-189 |
| | WE3800714-1 | P-189 |

ADMIN SPECIAL INSTR: REPAIR AS NECESSARY PER

CUSTOMER REQUIRMENTS

NSN: WE3800714-1

MODEL RECEIVED

MODEL REQUIRED

RE220GX

RE220GX

TEARDOWN/ANALYTICAL: ADVISE RA OF MISSING PARTS

FOD CUSTOMER DAMAGE

| BILL TYPE | NEW HOURS | CYCLES | OVH HOURS | CYCLES | ENG RPT | LOG BOOK |
|-----------|-----------|--------|-----------|--------|---------|----------|
| WP | 901.00 | 1318 | 0.00 | 0 | A | Y |

SCRAP DISPOSITION: SCRAP DISPOSE

R/O ENGINEERING:

REASON FOR RETURN: COMPLY WITH SB SHROUD REPAIR.

ROUTINGS:

VENDOR CODE:

PRICING SIGN-OFF:

ADMINISTRATOR: MMW X2567

INSPECTOR:

DATE:

DATE:

DATE:

AUG 10 2005

RE220 [GX] ACCEPTANCE TEST DATA SHEET

PAGE 1 OF 2
DSC-WE3800714-1E

DATE: 11/17/00

USED WITH: TI-WE3800714

ATP 31-13270 REV. D C

UNIT OUTLINE: WE3800714-1 MODEL NO: RE220 [GX]

SERIAL NO: P- 189

TEST CELL NO: D112

REPAIR ORDER NO: N/R

PRODUCTION RELEASE NO: 2100

OIL USED: MIL-L-23699 II

AIRFLOW MEASURING SEC NO: 8X3

FUEL USED: ASTM-D-1655A

ECU PART NO: 2118990-3 ECU SERIAL NO: 50-K0012

ECU LAB SLAVE: YES NO

ECU SOFTWARE VERSION: GX03.00.00

| ITEM | ATP SECTION | UNITS | REQUIRED | RECORD |
|------------------------------------|-------------|---------|-----------|--------|
| APU DRY WEIGHT (FROM APU TRAVELER) | 3.1.1 | LBS. | 240 MAX | 235 |
| TOTAL NUMBER OF STARTS DURING ATP | - | NUMBER | 3 TO 100 | 8 |
| TOTAL OPERATION TIME DURING ATP | - | HOURS | 1.0 TO 25 | 1:49 |
| AUTOMATIC START TIME | 3.2.4 | SECONDS | 40 MAX | 32 |
| TIME TO STARTER CUTOFF | 3.2.4 | SECONDS | 20 MAX | 10 |
| LRU FAULTS OBSERVED | 3.2.2 | NA | NONE | NONE |

UNIT STATUS: ACCEPTED REJECTED

REMARKS: Stability Factor = 175

10312978

TECHNICIAN: T.R. Seaman FT 453

DATE: 11/17/00

SUPERVISOR: RICK BELL FT 173

DATE: 11-17-00

QUALITY ASSURANCE: W. Man 00714

DATE: 11-17-00

Honeywell

International Inc.
Engines & Systems

ACCEPTANCE TAG
Certificate of Conformance

| | | | | | | |
|------------------------------|---------|-------------|---------------|-----------------|------------|-------------|
| OUTLINE / KIT P/N | REV. | SERIAL NO. | CUSTOMER NAME | CUSTOMER CODE | MODEL | CODE |
| SDGA459-0004-1 | H | P-189 | BOMBARDIER | 192 | RE220GX | IT |
| SERIES | CHANGES | SHIPPER NO. | ALLOCATION | SALES ORDER NO. | | |
| NONE | NONE | NONE | 2100(REL) | 419373-001 | | |
| INSPECTION SIGNATURE & STAMP | | | | | DRY WEIGHT | F.T. DATE |
| <i>C. J. Savoy</i> | | | | | 235 LBS. | Nov 17 2000 |

| NDC COMPONENTS | | | | TRACEABLE PARTS | | | |
|----------------|---------------|---------------|--------|-----------------|---------------|------------|-------|
| PART NUMBER | NOMENCLATURE | SERIAL NUMBER | SERIES | PART NUMBER | SERIAL NUMBER | LOT NUMBER | HOURS |
| 160534-1 | OIL COOLER | 383 | 1 | WB3822380-3 | 992268300052 | NONE | 00:00 |
| 2704554-2 | STARTER | 285 | 1 | WE897994-3 | 000134504899 | 00P228 | 00:00 |
| 3291210-3 | LOAD VALVE | 419 | 1 | WK3840141-3 | 002241000316 | NONE | 00:00 |
| 3291212-4 | SURGE VALVE | 359 | 1 | | | | |
| 441950-2 | FUEL CONTROL | CUB20207 | NONE | | | | |
| WE3800714-1 | ENGINE ASSY. | P-189 | 9 | | | | |
| WE3876295-3 | IGNITION UNIT | 000218017548 | NONE | | | | |
| WE3881781-1 | LUBE PUMP | VE1212 | 1 | | | | |

| LOOSE ITEMS | | | |
|--------------|--------------|---------------|--------|
| PART NUMBER | NOMENCLATURE | SERIAL NUMBER | SERIES |
| 2118990-3 | FADEC | 50-K0012 | 1 |
| GA458-0020-1 | TUBE 1 EACH | NONE | NONE |
| MS21043-4 | (8) NUTS | NONE | NONE |
| NAS1149C0432 | (8) WASHERS | NONE | NONE |

This certifies that the materials and/or articles noted hereon were procured and/or manufactured under a Quality Assurance System acceptable to the Government and that all applicable certificates and records are on file and available for review by authorized customer representatives

Product approved under FAA Part 21

PX2310-1

10312978



International Inc.
Engines & Systems

ACCEPTANCE TAG

Certificate of Conformance

| OUTLINE / KIT P/N | REV. | SERIAL NO. | CUSTOMER NAME | CUSTOMER CODE | MODEL | CODE |
|-------------------|---------|------------|---------------|---------------|-----------------|------|
| SDGA459-0004-1 | H | P-191 | BOMBARDIER | 192 | RE220(GX)KIT | IT |
| SERIES | CHANGES | | SHIPPER NO. | ALLOCATION | SALES ORDER NO. | |
| NONE | NONE | | NONE | 2120(REL) | 419558-001 | |

INSPECTION SIGNATURE & STAMP

[Signature] 563

| DRY WEIGHT | F.T. DATE |
|------------|------------|
| 236 LBS. | Dec 7 2000 |

NDC COMPONENTS

TRACEABLE PARTS

| PART NUMBER | NOMENCLATURE | SERIAL NUMBER | SERIES |
|--------------------|----------------------|---------------------|-------------|
| 160534-1 | OIL COOLER | 384 | 1 |
| 2704554-2 | STARTER | 295 | 1 |
| 3291210-3 | LOAD VALVE | 433 | 1 |
| 3291212-4 | SURGE VALVE | 370 | 1 |
| 441950-2 | FUEL CONTROL | CUB20209 | NONE |
| WE3800714-1 | ENGINE ASSY. | P-191 | 9 |
| WE3876295-3 | IGNITION UNIT | 000218019161 | NONE |
| WE3881781-1 | LUBE PUMP | VE1259 | 1 |

| PART NUMBER | SERIAL NUMBER | LOT NUMBER | HOURS |
|-------------|---------------|------------|-------|
| WB3822380-3 | 992268300040 | NONE | 00:00 |
| WE897994-3 | 000134507270 | NONE | 00:00 |
| WK3840141-3 | 002241000325 | NONE | 00:00 |

LOOSE ITEMS

| PART NUMBER | NOMENCLATURE | SERIAL NUMBER | SERIES |
|--------------|--------------|---------------|--------|
| 2118990-3 | FADEC | 50-K0014 | 1 |
| GA458-0020-1 | TUBE 1 EACH | NONE | NONE |
| MS21043-4 | (8) NUTS | NONE | NONE |
| NAS1149C0432 | (8) WASHERS | NONE | NONE |

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