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t: +44 1403 798000 f: +44 1403 710936 e: enquiries@ajw-aviation.com www.ajw-group.com

MINI PACK

Location:

AJW Group

The Headquarters, Maydwell Avenue, Slinfold, West Sussex, RH13 0AS, United Kingdom

MODEL Antenna, Broadband, AURA LE

SERIAL LE0252

Part Number RD-NB2111-02

Condition Repaired

TSR 0

CSR 0

Trace to

TRANSAERO

Tag by

OEM - Panasonic

Tag Date

03/October/2017

Additional Details

For additional details on this Antenna, Please contact;

Conrad Vandersluis conrad@ajw-group.com

Mike Dean mike.dean@ajw-group.com



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*ANTENNA RELEASE
CERTIFICATE/FORM
8130-3 + EASA*

1. Approving Civil Aviation Authority/Country: FAA / UNITED STATES	2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG	3. Form Tracking Number: 4866336
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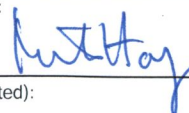
4. Organization Name and Address: Panasonic Avionics Corporation 26200 Enterprise Way Lake Forest, CA 92630 USA FAA Repair Station # IFCR459X	5. Work Order/Contract/Invoice Number: U14321
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6. Item	7. Description	8. Part Number	9. Quantity	10. Serial Number	11. Status/Work
1	ANTENNA, BROADBAND, AURA LE	RD-NB2111-02	1	LE0252	REPAIRED

12. Remarks:
DETAILS OF MAINTENANCE ACTIONS ARE HELD AT THIS FACILITY UNDER "FORM TRACKING NUMBER" AS STATED ABOVE ON BLOCK 3.
 PERFORMED SYSTEM PRE-TEST. ERASED XID AND AUID. FAILED INITIAL ATE TEST, FOUND LOW TX GAIN ON PLATE 1 AND UNABLE TO TEST TX GAIN TABLE. INSTALLED MOD 7 PER SB RDNB2111-02-44-06, REV 2, 23 MAY 2016. PERFORMED SB RDNB2111-02-44-05, REV NEW, 13, JUL 2015. INSTALLED MOD 6 PER SB RDNB2111-02-44-04, REV 2, 02 JUN 2015. BOTH MBUCS ARE REV C0. REPLACED FRONT AND REAR FANS FOR PREVENTION. PASSED PRE-ESS ATE TEST. PASSED ESS VIBE AND TEMP. PASSED POST-ESS ATE TEST. PASS CALIBRATION AND TEST IN COMPACT RANGE. PASSED FINAL ATE TEST AND CLEANED. ALL WORK PERFORMED IAW CMM 44-29-30, REV 17, 03 AUG 2017.

Panasonic Avionics Corporation 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 product/article is considered ready for release to service under **EASA Part 145** approval certificate number **EASA 145.6486**

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 regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.
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13b. Authorized Signature:	13c. Approval/Authorization No.:	14b. Authorized Signature: 	14c. Approval/Certificate No.: IFCR459X
13d. Name (Typed or Printed):	13e. Date (dd/mmm/yyyy):	14d. Name (Typed or Printed): Minh Hong	14e. Date (dd/mmm/yyyy): 03/OCT/2017

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.



Panasonic Avionics Corporation
 26200 Enterprise Way, Building #2
 Lake Forest, CA 92630 U.S.A., FAA# IFCR459X
 Tel: 949-672-2085 Fax: 949-951-3261

REPAIR REPORT / DELIVERY ORDER

SOLD TO **AJ WALTER AVIATION**
THE HEADQUARTERS
MAYDWELL AVENUE
SLINFOLD, ENGLAND RH13 0AS, GB

SHIP TO **AJ WALTER AVIATION**
THE HEADQUARTERS
MAYDWELL AVENUE
SLINFOLD, ENGLAND RH13 0AS, GB

PAGE 1 of 1

SHIP TRANSACTION:



CUSTOMER P.O. NUMBER U14321		CUSTOMER 1001	TAIL NO. N377AR	CUST PROD REF 9463153	SERVICE REQUEST 4866336
PART NUMBER RD-NB2111-02	NOMENCLATURE ANTENNA, BROADBAND, AURA LE			DATE REMOVED	DATE RECEIVED 12-SEP-2017
SERIAL NUMBER LE0252	DATE OF MFG 30-APR-2013	WTY START DATE 30-APR-2013	WTY END DATE 30-APR-2013	DATE REPAIRED 02-OCT-2017	SHIP DATE
MOD IN 1-5					
REASON FOR CUSTOMER REJECTION	RFR: PLEASE TEST, INSPECT AND INCORPORATE MOD 7 INTO THE UNIT.				
INTERNAL INSPECTION	No Physical Damage				
EXTERNAL INSPECTION	No Physical Damage				
ACTUAL FAILURE / CORRECTIVE ACTION	PERFORMED SYSTEM PRE-TEST. ERASED XID AND AUID. FAILED INITIAL ATE TEST, FOUND LOW TX GAIN ON PLATE 1 AND UNABLE TO TEST TX GAIN TABLE. INSTALLED MOD 7 PER SB RDNB2111-02-44-06, REV 2, 23 MAY 2016. PERFORMED SB RDNB2111-02-44-05, REV NEW, 13, JUL 2015. INSTALLED MOD 6 PER SB RDNB2111-02-44-04, REV 2, 02 JUN 2015. BOTH MBUGS ARE REV C0. REPLACED FRONT AND REAR FANS FOR PREVENTION. PASSED PRE-ESS ATE TEST. PASSED ESS VIBE AND TEMP. PASSED POST-ESS ATE TEST. PASS CALIBRATION AND TEST IN COMPACT RANGE. PASSED FINAL ATE TEST AND CLEANED. ALL WORK PERFORMED IAW CMM 44-29-30, REV 17, 03 AUG 2017.				

MOD OUT: 1-7

INSPECTED BY: **Minh Hong**

REPAIRED BY: **Huynh, Tam Van**

PART NUMBER	DESCRIPTION	QTY	UNIT PRICE	EXTENDED PRICE	CHARGED AMOUNT	WTY*
CUST LABOR	OUT OF WARRANTY CHARGE	1950	2.02	3,932.49	3,932.49	
CUST LABOR	OUT OF WARRANTY CHARGE	180	2.02	363.00	0.00	
CUST LABOR	OUT OF WARRANTY CHARGE	150	2.02	302.50	0.00	
CUST LABOR	OUT OF WARRANTY CHARGE	240	2.02	484.00	0.00	
AS000341	STARLING AS000341- FAN ASSEMBLY FOR	1	28.14	28.14	28.14	NO
AS000342	STARLING AS000342FAN ASSEMBLY FOR REAR	1	28.14	28.14	28.14	NO
CC000016	Cap. 1uF / 0603	2	0.04	0.08	0.08	NO
CC000049	Cap. 100uF / 1210	1	11.14	11.14	11.14	NO
101515-0003	LABEL, IDENTIFICATION, N/A	1	10.98	10.98	10.98	NO
SC000065	SCREW 6-32X1/2", SOCKET HEAD CAP, SS	8	0.61	4.88	4.88	NO
WA000010	LOCK WASHER NO 6, MS35338-136	8	0.09	0.72	0.72	NO
AS001142	MBUC DPA RI-01	2	8,716.22	17,432.44	17,432.44	NO

Panasonic SHOP WARRANTY: All repairs referenced by this Repair Report are warranted as to parts and labor for a period of 12 months from the date of such repair. Used serviceable components may have been used in restoring this unit.

Cost of Labor	3,932.49
Cost of Material	17,516.52
Total Cost	21,449.01

* WTY CODES NO = Not Covered FOC = SB covers as FOC SHOP = Shop Wty
 WARR = Mfg Wty in Effect FIXED = Fixed Price Repair CC = Panasonic Charged

AJW

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TRACE

		Transaero Airlines Domodedovo International Airport Building 8, Technical Department 142015, Domodedovo district Russia	W/O 2846769 Original 1	Barcode  WO2846769	Registration EI-XLP 777 777-3
Type M MAINT	Origin N/A	ATA 23-32 PASS-R ENTERTAIN-NT SYS. (VIDEO)	Position ONLY ADDED BY TRANSFER-PROGRAM	Zone N/A	Area N/A

Classifications/Statistics/Requests

Defect Classification: M

Description Step 1

ANDREI NIKOLAEVICH DERGUNOV (8355), 20.Sep.2015

GCS ANTENNA

GCS ANTENNA IAW INFORMATION FROM CUSTOMER SUPPORT MANAGER PANASONIC AVIONICS COMPANY MUST BE REPLACED.

Type	Reference	Description
L-212673	56403	

Action Step 1-1

Andrey Nikolaevich Sluyanov (19252), 21.Sep.2015

GCS ANTENNA

GCS BROAL 3/15 ANTENNA WAS REPLACED IAW AMM 23-20-00/001 REV.75 RESULT-OK.

OFF: P/N RD-NB2111-02, S/N LE0337

ON: P/N RD-NB2111-02, S/N LE0252

TAG#212673

POS.-ONLY

MUST BE INSTALL RADOME

MUST BE TEST PERFORM.

Performed

Andrey Nikolaevich Sluyanov (19252)

Component Changes

PN Off	SN Off	Label	Position	PN On	SN On	Description	Certificate
RD-NB2111-02	LE0252	L-212673	ONLY	RD-NB2111-02	LE0337	ANTENNA	L-212673

Action Step 1-2

Alexey Sergeevich Yachmenev (9030), 22.Sep.2015

GCS ANTENNA

RADOM WAS INSTALLED IAW MJO 777-23-15-74-001. ANTENNA WAS TESTED BY PANASONIC REPRESENTATIVE IAW MJO 777-23-15-74-001.

RESULT IS OK.

Performed

Alexey Sergeevich Yachmenev (9030)

Action Step 1-3

Alexey Sergeevich Yachmenev (9030), 22.Sep.2015

GCS ANTENNA

DURING INSTALLATION WAS USED SCREWDRIVER P/N QDRWER4, S/N 405 4401241.

Performed

Alexey Sergeevich Yachmenev (9030)

Work Performed Workorder Closed

Date	Total Aircraft Hours	Total Aircraft Cycles	Place / Station	Closing Sign / Stamp
22.Sep.2015 05:41	55840	14636	VKO	

Alexey Sergeevich Yachmenev (9030)

Commercial Information

Customer:
Project Number:

SERVICEABLE LABEL (TAG) No _____

INSTALLATION/REMOVAL DATA

W.O. (GTS) No 2846769

T. No: _____

Date: _____

Installed on/Removed from: EI-XLP

Vendor/Shop: _____ ATA: _____

TAH: 55'839

TAC: 14'836

Position: ONLY

Part Description: _____

PART REMOVED:

Part Number: _____

Part No: RD-NB2111-02

Serial Number: _____ Loc: STOR

Serial No: LE 0252

TSN: _____

TSO: _____

CSN: _____

CSO: _____

Reason for removal: _____

Authorised Release Certificate

MIO NO 777-23-15-74-001

U/S

form

tracking number

Manuf. date: 06.2012 Mod. status: _____

Shelf life limit: _____ Operation limit: _____

Insp. Performed by: Name _____

Sign/Stamp No _____ Date: _____

Robbed from: _____

W.O. (GTS) No: _____

Sched.

Unsched.

TAH _____

Mech. Name/Stamp No/Sign: _____

Station NKO

Mech. Name/Stamp No/Sign: _____

TAC _____

Date 21.09.15

Sluyanov A. AV 298



142015, Russia, Moscow,
Domodedovo Airport

Form 2231
Rev. 3



142015, Russia, Moscow,
Domodedovo Airport

Form 2231
Rev. 3

03.08.2015 Reinsp OK
WIP B.7
REINS-OK
Q1050
STOR



Open Joint-stock company «TRANSAERO Airlines» (OJSC «TRANSAERO Airlines»)
Postal address: Zubovskiy Boulevard, 11A, Moscow, Russia, 119021, tel.: +7 (495) 662-15-60, (495) 937-84-57, tel./fax: +7 (495) 937-84-78
e-mail: info@transaero.ru, www.transaero.com, SITA: MOWTOUN
Legal address: Liteiny prospekt, 48A, Saint Petersburg, 191104, Russia

AJ WALTER AVIATION
Maydwell Avenue,
Slinfold, West Sussex,
RH13 0AS, United Kingdom

To whom it may concern
Date: 01 Dec 2015

I hereby confirm that aircraft component below supplied to AJ Walter Aviation by Transaero Airlines was in accordance with Transaero Airlines procedures obtained industry recognized approved sources and whilst in the possession of Transaero Airlines were not subjected to severe stress or heat or immersed in salt water.

ANTENNA BROADBAND AURA p/n RD-NB2111-02 s/n LE0252

Evgeny Shuravin
TRANSAERO Airlines
Director Material Support Department

COMMERCIAL INVOICE

Shipment: 39-3368
Date of Invoice: 13.07.3017



AWB CMR171135

FOR CUSTOMS PURPOSES ONLY

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CONSIGNEE:

AJW Aviation
The Headquarters,
Maydwell Avenue,
Slinfold, West Sussex,
RH13 0AS, United Kingdom
Tel.: +44 1403 798444

CONSIGNOR:

TRANSAERO AIRLINES
Mishina Street, 56, bld. 8
Moscow, 127083, Russia
Tel.: +007 499 284 6400 (ext. 10263)

No.	Reference	Part Number	Serial Number	Description	Qty	Price, USD	Remarks
1		RD-NB2111-02	LE0252	ANTENNA BROADBAND AURA	1		
TOTAL						USD	

The supply of these commodities is subject to the Export Control Policies of the United Kingdom, the European Union and the United States of America.

**** CIVIL AIRCRAFT PARTS ****

ROUTE

Moscow - Slinfold