

1. Approving Civil Aviation
Authority/Country:

2.

FAA/United States

AUTHORIZED RELEASE CERTIFICATE

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number:

SG 040114
RV140139

4. Organization Name and Address:

Saint-Gobain Performance Plastics Corporation
335 N. Diamond St.
Ravenna, Ohio 44266
Ph: 330-296-9948 Fax: 330-296-7955

FAA Repair Station No. OA1R367K

5. Work Order/Contract/Invoice Number:

Customer Order No: RC080178
Saint-Gobain Order No: RV140139

6. Item	7. Description	8. Part Number	9. Quantity	10. Serial Number	11. Status/Work
1	Radome	FGFB208B1	1	BZ160	Repaired

12. Remarks:

Repair Order Number: RV140139

Radome repaired in accordance with FAA approved data and on file at Saint-Gobain under the above Repair Order Number.

This certifies that the work specified in Block 12/13 was carried out in accordance with EASA Part-145 and, with respect to that work, the aircraft component is considered ready for release to service under EASA acceptance number: EASA.145.4706.

CLASS 3 REPAIR - REFERENCE ATTACHED DAMAGE REPORT AND REPAIR PLAN FOR REPAIR DETAILS.
REPAIR COMPLETED PER FAA APPROVED DATA: DWG # 4988-100 REV E, 4989-901 REV G, 4989-902 REV., AND PS-200 REV S.

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 13.

14a. ☒ 14 CFR 43.9 Return to Service ☒ 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.

13b. Authorized Signature:

13c. Approval/Authorization No.:

14b. Authorized Signature:

14c. Approval/Certificate No.:

13d. Name (Typed or Printed)

13e. Date (dd/mm/yyyy):

14d. Name (Typed or Printed)

14e. Date (dd/mm/yyyy):

~~Mark Chinn~~

~~Mark Chinn~~

~~17 May 2014~~

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 part/component/assemblies from the airworthiness authority of the country specified in Block 1.

Statements in block 14 and 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.

335 North Diamond St. Ravenna, Ohio 44266
FAA Repair Station No. OA1R357K

Part No: FGFB208B1
Serial No.: BZ160

S-G Repair P/N: 4989RQ3-P04C-DS1
Description: FALCON 900 2-PIECE CL3, NORTON ARM

Customer: DASSAULT FALCON JET

Damage Report

Saint-Gobain Order #:

Repair Plan

RV140139

DAMAGE REPORT:

Insp by:

LM

4/4/2014

Repair Inspection ☒ No Repair Sketch ☐ See Repair Sketch

REPAIR PLAN

Previous Repair Order No.: RV090491

WORK TYPE:

Repair - Customer Part

LAMINATE

Damage Location - Description

DELAMINATIONS	QTY	Damage Location - Description
☒ None	☐ Nose	☐ Small
☐ Outer Skin	☐ Middle	☐ Medium
☐ Core	☐ Aft	☐ Large
☐ Inner Skin		

MOISTURE	QTY	Damage Location - Description
☒ None	☐ Nose	Inside Reading: 0 Min. Overall Reading:
☐ Middle	☐ Middle	Outside Reading: 5-15 Max Overall Reading:
☐ Aft	☒ Anti-Static - Check after strip	

STATIC BURNS	QTY	Damage Location - Description
☒ None	☐ Nose	☐ Light
☐ Middle	☐ Middle	☐ Moderate
☐ Aft	☐ Heavy	

COMPONENTS Condition

Damage Description

BOOT	Condition	Damage Description
☐ None	☐ Blister	
☒ OK	☐ Holes, Burns	
☐ Damage	☐ Peeling	

PAINT, COATINGS	QTY	Damage Location - Description
☐ 0	☒ Nose	☒ Light Erosion
☒ Damage	☒ Middle	☐ Moderate Erosion
	☐ Aft	☐ Heavy Erosion

DIVERTERS	QTY	SEGMENTED	SAFETY AREAS
☐ None	7		
☐ OK			
☒ Damaged		EXTERNAL CONTINUITY	24.7 Max: 29.2

FRAME ASSEMBLY	Description:
☐ No Frame	
☒ OK	
☐ Damage	Loose Hardware (V/N) Description:

Other Damage or Comments: GROUND TAB CONTINUITY 25.6 TO 27.8 (INTERNAL) THERE ARE MULTIPLE PAINT LAYERS ON THE RADOME.

TRANSMISSION TEST

As Received: 92.6 Avg 85.3 Min.
Passes Test Standard: RTCA Class B

Q-301A(4-02)

SPECIAL REQUIREMENTS:

TRANSMISSION TESTING:
Test After Final Paint

COATINGS:
Antistatic Caapcoat - Norton Armor
Topcoat:
Sand / Fill / Prime

STRIPPING:
Strip to filler surface on fairing
Strip all coatings on radome

INSTALL SEGMENTED DIVERTERS

CHECK MOISTURE AFTER STRIPPING

ACCESSORIES:
No Repair Required

MOISTURE:

LOCAL OUTER REPAIR

REPAIR - CUSTOMER PART

WORK TYPE:

REPAIR - CUSTOMER PART

Approved By: *Mark* Date: 17 JUL 2014

Cust Req Date:

Promise Date:

Note: Unsigned Copies are REFERENCE only - see signed copy for final record

SAINT-GOBAIN PERFORMANCE PLASTICS CORPORATION

335 N DIAMOND ST RAVENNA OHIO 44266
FAA Repair Station# OA1R367K

TRANSMISSION TEST REPORT

CUSTOMER : DASSAULT FALCON
PART NO : FGFB208B1
MODEL : FALCON 900
SERIAL NO. : BZ160
ORDER NUMBER : RV140139

I. TEST PARAMETERS

TEST ANTENNA : FLAT PLATE 18 INCH
TEST FREQUENCY : 9345 MHz
POLARIZATION : HORIZONTAL
AZIMUTH : -60 to 60 Deg
COMMENT : M2 PAINT SEGMENTED DIVERTERS

II. TEST DATA

Plot#	Elevation Angle	Average Transmission	Minimum Transmission
0	0	94.1%	89.9%

SUMMARY TEST DATA

Minimum Scan Average =	94.1%
Overall Minimum =	89.9%
Ref. Overall Average =	94.1%

This test was performed on the SAINT-GOBAIN Transmission Test Range in accordance with RTCA/DO-213 and ARTC-4

TEST RESULT: RTCA RADOME CLASS: Class A

☒ PASSES

☐ FAILS TEST STANDARD: RTCA class B

JUN 16 2014

Tested By 

Date

COMMENT:



SAINT-GOBAIN PERFORMANCE PLASTICS CORPORATION

NORTON

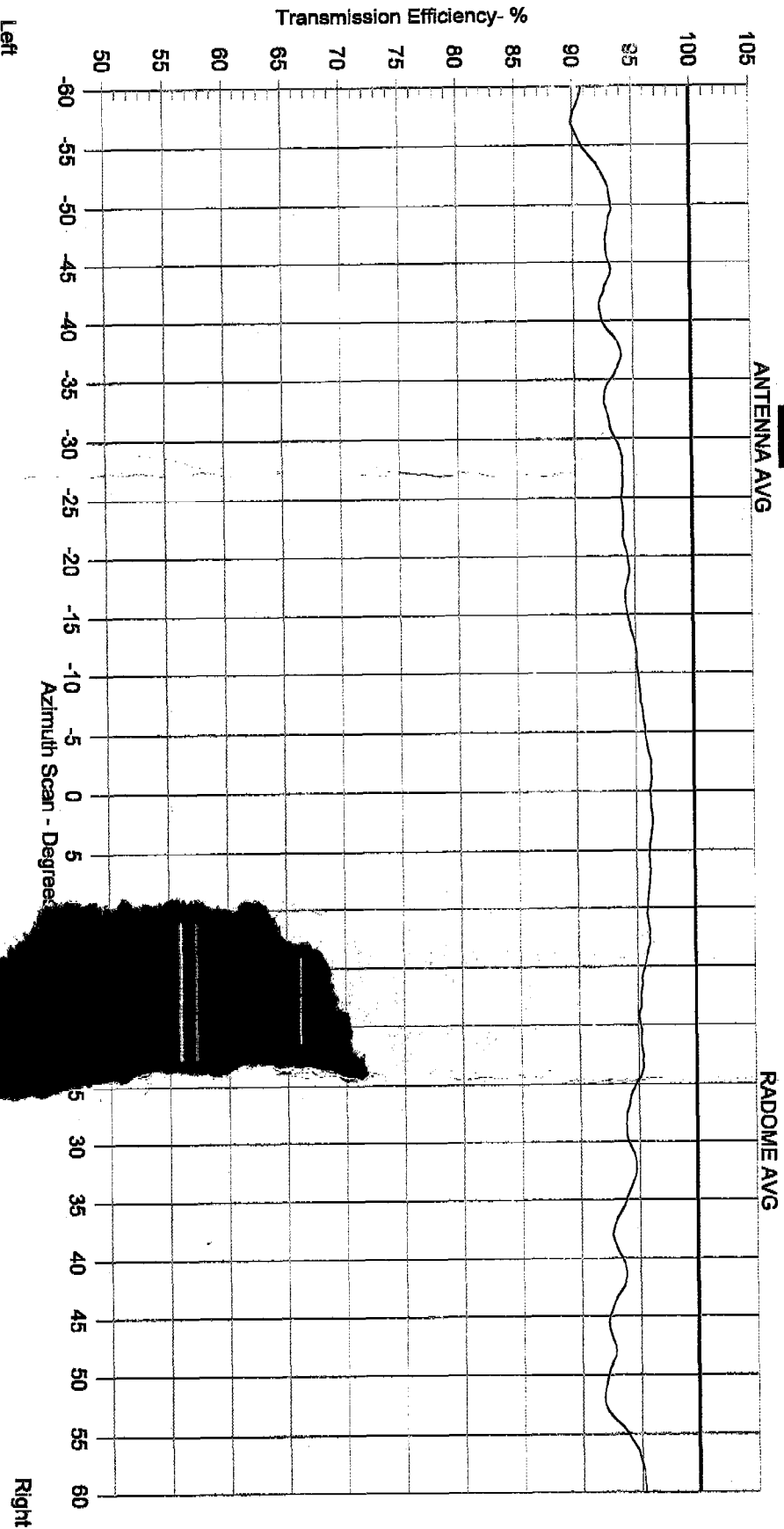
335 N DIAMOND ST RAVENNA OHIO 44266 - FAA Repair Station# OA1R367K

Customer : DASSAULT FALCON Operator : WAB Part Number : FGFB208B1 Antenna : 18 INCH FLAT PLATE
 Model : FALCON 900 Date : 06/16/14 Serial Number : BZ160 Polarization : HORIZONTAL
 File Name : RV140139.T000 Program Number : 4989 Frequency : 9345 MHz
 Comment : M2 PAINT SEGMENTED DIVERTERS

Transmission Efficiency Statistics
 Average : 94.1% Minimum : 89.9% RMS : 94.1%

RADOME TRANSMISSION EFFICIENCY TEST PLOT

Elevation: 0 deg.



Form T-034B (03/00)

NORTON

Plot