

1. Approving Civil Aviation Authority/Country: 2.

FAA/UNITED STATES

### AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number:  
**40576**

4. Organization Name and Address:

A & R Aviation Services Inc.  
7915 Old Hwy 99 SE  
Tumwater, WA 98501  
United States  
Ph: 360-236-9928 or 9931, Fax: 360-236-9929  
FAA Approval Holder: 2AAR048B

5. Work Order/Contract/Invoice Number:  
**W19610**

FAA Approval Holder: 2AAR048B

6. Item	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	PANEL, GRND SPOILER	65-46452-62A	1	MA2349	OVERHAUL

12. Remarks:

FOR DETAILS OF WORK PERFORMED, REFERENCE WORK ORDER NUMBER LISTED IN BLOCK 5. TSO: 0 / CSO: 0  
Manual I.D.: BOEING (81205) CAM 57-56-81, Revision #: 22 Revision Date: 7/12/2018

13a. Carries 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.  14 CFR 43.9 Return to Service  Other regulation specified in Block 12

14b. Carries 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/Condition No.:	14b. Authorized Signature:	14c. Approval/Certificate No.:
		<i>[Signature]</i>	2AAR048B
13d. Name (Typed or Printed):	Date (dd/mm/yyyy):	14d. Name (Typed or Printed):	14e. Date (dd/mm/yyyy):
		<i>Michael Hrusven</i>	03-Aug-2018

#### User/installer Responsibilities

It is important to state 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 higher airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.

Statement in Blocks 13 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.

# WORK REPORT

WO#: W19610

P/N: 65-46452-62A

CUSTOMER: A&R Aviation Services

S/N: MA2349

CUSTOMER REF#: 2602/S2247

DESCR: PANEL, GRND SPOILER

QTY: 1

Repair Manuals: 57-56-61 Inboard Spoiler Panel Assembly

SEQ: 501

**WORK REQUIRED:**

Verify all applicable AD's.

**WORK PERFORMED:**

No applicable AD's were found.

SEQ: 502

**WORK REQUIRED:**

Verify P/N.

**WORK PERFORMED:**

Verified P/N as 65-46452-62A

SEQ: 503

**WORK REQUIRED:**

Verify S/N.

**WORK PERFORMED:**

Verified S/N as MA2349

SEQ: 504

**WORK REQUIRED:**

Unit is dirty with chipped and flaking paint.

**WORK PERFORMED:**

Cleaned, sanded, and alodined. Primed and applied topcoat.

SEQ: 505

**WORK REQUIRED:**

Unit requires tap testing of bonded structure.

**WORK PERFORMED:**

Tap tested with no defects found., Except Ref. Seq. # 513

SEQ: 506

**WORK REQUIRED:**

Unit requires Dimensional inspection.

**WORK PERFORMED:**

Dimensionally inspected with no defects found.

Tool# (TC039)

SEQ: 507

**WORK REQUIRED:**

All piece parts have chipped and flaking paint.

**WORK PERFORMED:**

Sanded. Plastic media blasted and alodined. Primed and applied topcoat.

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8-3-16

**WORK REPORT****WO#: W19610**

P/N: 65-46452-62A

**CUSTOMER:** A&R Aviation Services

S/N: MA2349

**CUSTOMER REF#:** 2602/S2247**DESCR:** PANEL, GENL SPOILER**QTY:** 1

Repair Manual: 51-00-01 Inboard Spoiler Panel Assembly

**SEQ:** 508**WORK REQUIRED:**

All aerodynamic seals are worn, requires replacement.

**WORK PERFORMED:**

Replaced. Fabricated perimeter seals from 10-60754-3 (P19015) and bulb seals from 10-60754-20 (P20301) IAW Boeing DWG 65-46452.

**PART(s):**

P/N:	DESCRIPTION	S/N:	QTY
65-46452-17	SEAL		0
65-46452-18	SEAL		0
65-46452-23	SEAL		0
65-46452-24	SEAL		0
65-46452-25	SEAL		0
65-46452-37	SEAL		0
65-46452-38	SEAL		0
65-46452-53	SEAL		0
65-46452-54	SEAL		0
65-68280-13	SEAL		0

*[Signature]*  8-3-18

**WORK REPORT****WO#: W19610**

P/N: 65-46452-62A

CUSTOMER: A&amp;R Aviation Services

S/N: MA2349

CUSTOMER REF#: 2602/S2247

DESCR: PANEL, INBOARD SPOILER

QTY: 1

Repair Manuals: 57-56-61 Inboard Spoiler Panel Assembly

SEQ: 509

**WORK REQUIRED:**

Misc. hardware is worn and corroded, requires replacement.

**WORK PERFORMED:**

Replaced.

**PART(s):**

P/N:	DESCRIPTION	S/N:	QTY
AN7510-1	ID PLATE		1
AN960PD10L	WASHER		92
AN960PD8L	WASHER		82
BACB30LJ4-4	BOLT		16
BACB30LJ4-6	BOLT		8
BACB30LJ4-7	BOLT		8
BACB30LM3-3	BOLT		46
BACB30LR4-4	BOLT		16
BACB30LR4-7	BOLT		4
BACB30LU2-5	BOLT		2
BACB30LU3-1	BOLT		4
BACB30LU4-6	BOLT		8
BACN10JC08	NUT		82
BACN10JC3	NUT		46
BACN10JC4CD	NUT		32
BACR15BB3D4	RIVET, SOLID		2
NAS1149D0463J	WASHER		32
NAS514P832-7	SCREW		82
SL606-3A	INSERT		4

SEQ: 510

**WORK REQUIRED:**

Disassembled Unit

**WORK PERFORMED:**

Reassembled Unit.

SEQ: 511

**WORK REQUIRED:**

1 ea TE rub strip requires replacement at overhaul.

**WORK PERFORMED:**

Fabricated rub-strip from .047" MIL-I-24768/16 (Rev. PO#19909) IAW Boeing DWG 65-46452. Bonded IAW Boeing CMM 57-56-61 Repair Paragraph E.(4). Tap tested and visually inspected with no defects found.



B-310

**WORK REPORT**

**WO#: W19610**

P/N: 65-46452-62A

CUSTOMER: A&R Aviation Services

S/N: M2349

CUSTOMER REF#: 2602/S2247

DESC: PANEL, GRND SPOILER

QTY: 1

Work Manuals: 57-56-61 Inboard Spoiler Panel Assembly

SEQ: 512

**WORK REQUIRED:**

Fitting worn. Requires replacement.

PART(s):

**WORK PERFORMED:**

Replaced

P/N:	DESCRIPTION	S/N:	QTY
176198	BEARING		2
65-67186-10	FITTING		1
BACB28X8C022	BUSHING		2

SEQ: 513

**WORK REQUIRED:**

1" delamination located on upper right corner T/E skin. Requires repair.

**WORK PERFORMED:**

Removed damage. Fabricated filler and doubler from 0.016 2024-T3 (PO# P17507). Primed. Bonded with film adhesive (PO# P18871). Visually inspected and tap tested with no defects found. Repaired IAW Boeing 737-400 SRM 57-70-01 Repair 2 and 51-70-10 Repair 2. Used tool# TC049.

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