

1. Approving Civil Aviation
Authority/Country:
FAA/UNITED STATES

2. **AUTHORIZED RELEASE CERTIFICATE**
FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number:
070030

4. Organization
Name and Address:
**Inertial Aerospace Services, Inc.
375 Alpha Park
Highland Heights, OH 44143**

FAA Certificate : 19SR491N

5. Work Order/Contract/Invoice Number:
070030

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	FUEL QUANTITY INDICATOR	10037-0750	1 EA	4217	REPAIRED

12. Remarks:
"See Attached Teardown"
FINAL TEST AND INSPECTION PASSED.
UNIT WAS TESTED, INSPECTED AND REPAIRED, INSPECTED AND TESTED IN REF.
TO CMM: 28-41-74 REV. 06 DATED 04-21-22.
SRI REPAIR PROCESS 11206PM REV. 01 DATED 06-12-19.
SRI REPAIR PROCESS 11253RM REV. 06 DATED 02-07-20.
SRI REPAIR PROCESS 10993RM REV. 06 DATED 06-06-22.
SRI REPAIR PROCESS 11004PM REV. 04 DATED 04-27-22.

Repair data is EASA approved by ED Decision 2004/04/CF, as amended by
ED Decision 2007/001/C.
When Block 14a "Other Regulation" is checked, 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 Number
EASA.145.4566.

13a. Certifies the items identified above were manufactured in conformity to:

14a. ☒ 14 CFR 43.9 Return to Service

☒ Other regulation specified in Block 12

☐ Approved design data and are in a condition for safe operation.
☐ Non-approved design data 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.:	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):
		KYLE FARDINK	27/Nov/2023

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.



Inertial Aerospace Services, Inc.
375 Alpha Park, Highland Heights, OH 44143
a HEICO Company

PHONE: (440)-995-6555
FAX: (440)-995-6559
FAA: CRS I9SR491N
EASA.145.4566

WORK ORDER DISPOSITION REPORT

Page: 1 of 4

Aircraft Number : OY-JZM	F.O.B... : Account No. [AJWAL]		
Station :	A J WALTER AVIATION LTD.		
Removed Date :	THE HEADQUARTERS		
Installed Date :	MAYDWELL AVE.		
Cycles :	SLINFOLD, WEST SUSSEX		
TSI :	RH13 0AS		
TSO :	UNITED KINGDOM		
TSR :	Tel : 4401403711777		
Position :	Fax : 441403710936		
Alert Level :			
For Customer : A J WALTER AVIATION LTD.			
S.O. No. : 049503	Line No. : 1		
Cust P.O. : R419213	P/N : 10037-0750	A :	
Our Ref : 070030	Desc : FUEL QUANTITY INDICATOR	B :	
Your Ref : R419213	S/N : 4217	Fab Inspec :	
Work Req : REPAIRED	MFG : Goodrich	Manual :	
Export : NLR-Foreign	Qty : 1.0000	Cond As: SV	Revision :
Completed P/N : 10037-0750	S/N As : 4217	Into Bin Loc : [w/h]: 86	
Company : 1	Division :	Department :	
Order Date : Nov-27-2023	Received Date : Nov-01-2023	Due Date : Nov-14-2023	Print Date : Nov-27-2023

WORK ORDER No. 070030

Reported By Customer

INOP.

Preliminary Insp.

S/N MATCHES // CHIPPED PAINT ON HOUSING.

REAR CONNECTOR CORRODED. REQUIRES REPLACEMENT.

THE SHIPPING CONTAINER THAT YOUR UNIT WAS SHIPPED TO IAS IN WAS IN POOR CONDITION AND/OR IS NOT AN ATA 300 APPROVED SHIPPING CONTAINER, IN ORDER FOR IAS TO ASSURE THE SAFE RETURN OF YOUR ITEM AND VALIDATE THE WARRANTY, A NEW ATA 300 APPROVED SHIPPING CONTAINER IS REQUIRED.

Hidden/Teardown

FOUND POOR SOLDER CONNECTIONS AT "P1".

FOUND LED DISPLAY ASSEMBLY DEFECTIVE. REPAIR REQUIRED.

Continued on next page...



WORK ORDER DISPOSITION REPORT

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WORK ORDER No. 070030

CONNECTOR BROKEN OFF OF LED HYBRID. REQUIRES REPLACEMENT TO REPAIR DISPLAY ASSEMBLY.
FAILED LEAK TEST. REQUIRES GLASS REPLACEMENT.
FOUND END PLATE ASSEMBLY CORRODED. REPAIR REQUIRED.

Corrective Action

REPLACED SCREW FOR RESEAL.
CLEANED CORROSION.
REPLACED GLASS.

REPAIRED END PLATE ASSEMBLY WITH NEW PLANAR, CONNECTOR AND FLEX.
END PLATE TEST PASSED.

REPAIRED LED DISPLAY ASSEMBLY WITH NEW LED DISPLAY (11207).
INTERCHANGED LED HYBRID (11013) WITH LED DISPLAY (11207) PER SRI 11253RM.

RAN HOT / COLD TEST // RAN LEAK / PRESSURE TEST // RAN FUNCTIONAL TEST.
PAINTED CASE.
FINAL ATP COMPLETED - UNIT PASSED.

Final Test & Inspect

FINAL TEST AND INSPECTION PASSED.
UNIT WAS TESTED, INSPECTED AND REPAIRED, INSPECTED AND TESTED IN REF. TO CMM: 28-41-74 REV. 06 DATED 04-21-22.
SRI REPAIR PROCESS 11206PM REV. 01 DATED 06-12-19.
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Misc. Notes

NONE.

Item	Part Number / Description	Part Status	Qty	Cond	Discrepancy / Disposition
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WORK ORDER DISPOSITION REPORT

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WORK ORDER No. 070030

PARTS & MATERIALS

01	6X6X10	32 - Installed Component	1.0000 EA NE	Disc. : _____
	ATA-300 SHIPPING CONTAINER (MSU)			Disp. : _____
	NSN: 8115-00-192-1603			
02	10993	32 - Installed Component	1.0000 EA NE	Disc. : _____
	COVER GLASS			Disp. : _____
03	058339-10	32 - Installed Component	1.0000 EA NE	Disc. : _____
	FQI DATA PLATE			Disp. : _____
04	90011-0000-0107	32 - Installed Component	1.0000 EA NE	Disc. : _____
	FQI WARNING PLATE			Disp. : _____
05	90403-004071	32 - Installed Component	1.0000 EA NE	Disc. : _____
	TEARBAND			Disp. : _____
06	11172	32 - Installed Component	1.0000 EA NE	Disc. : _____
	REAR BEZEL			Disp. : _____
07	11197	32 - Installed Component	1.0000 EA NE	Disc. : _____
	FRONT BEZEL			Disp. : _____
08	11240A	32 - Installed Component	1.0000 EA NE	Disc. : _____
	BRACKET			Disp. : _____
09	11242	32 - Installed Component	1.0000 EA NE	Disc. : _____
	GASKET			Disp. : _____
10	11207	32 - Installed Component	1.0000 EA NE	Disc. : _____
	LED DISPLAY (MII P/N 67154-101)			Disp. : _____
	A: DATE CODE			
	Serial No. : A00704			

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WORK ORDER No. 070030

11	10905	32 - Installed Component	1.0000 EA NE	Disc. : _____
	FLEX CIRCUIT			Disp. : _____
12	10995	32 - Installed Component	1.0000 EA NE	Disc. : _____
	DXIH-16T-249-477 CONNECTOR			Disp. : _____
13	9K4G-1624-00003	32 - Installed Component	1.0000 EA NE	Disc. : _____
	MFG P/N 11356G PLANAR CAPACITOR			Disp. : _____
	NSN: PLANAR 16-24 CAPACITOR			
14	SHOP SUPPLIES (2)	32 - Installed Component	1.0000 EA NE	Disc. : _____
	SCREW - P/N: MS51957-2			Disp. : _____
15	11013	33 - Removed Component	1.0000 EA BER	Disc. : _____
	LED HYBRID			Disp. : _____
	PART REMOVED - BER			
	Serial No. : NONE			