

1. Approving Civil Aviation Authority/Country: FAA/UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Tracking Number: 069815	
4. Organization Name and Address: Inertial Aerospace Services, Inc. 375 Alpha Park Highland Heights, OH 44143		5. Work Order/Contract/Invoice Number: 069815			
6. Item:		7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:
1		FUEL QUANTITY INDICATOR	10037-0770	1 EA	0870
					11. Status/Work: REPAIRED
12. Remarks: "See Attached Teardown" FINAL TEST AND INSPECTION PASSED. REPAIRED, INSPECTED AND TESTED IN REF. TO CMM: 28-41-77 REV. 6 DATED 07-01-15 SRI REPAIR PROCESS 11206PM REV. 01 DATED 06-12-19. SRI REPAIR PROCESS 11253RM REV. 06 DATED 02-07-20. SRI REPAIR PROCESS 11004PM REV. 04 DATED 04-27-22. SRI REPAIR PROCESS 11164RM REV. 04 DATED 06-17-22.					
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.					
13b. Authorized Signature:		13c. Approval/Authorization No.:		14a. ☒ 14 CFR 43.9 Return to Service ☒ Other regulation specified in Block 12	
13d. Name (Typed or Printed):		13e. Date (dd/mm/yyyy):		14b. Authorized Signature:  14c. Approval/Certificate No.: 19SR491N	
				14d. Name (Typed or Printed): KYLE FARDINK 14e. Date (dd/mm/yyyy): 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

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WORK ORDER DISPOSITION REPORT

Aircraft Number : 9Y-KIN
Station :
Removed Date :
Installed Date :
Cycles :
TSI :
TSO :
TSR :
Position :
Alert Level :

F.O.B... : Account No. [AJWAL]

A J WALTER AVIATION LTD.
THE HEADQUARTERS
MAYDWELL AVE.
SLINFOLD, WEST SUSSEX
RH13 0AS
UNITED KINGDOM
Tel. : 4401403711777
Fax : 441403710936

For Customer : A J WALTER AVIATION LTD.
S.O. No. : 049368 Line No. : 1

Cust P.O. : T42338	P/N : 10037-0770	A :
Our Ref : 069815	Desc : FUEL QUANTITY INDICATOR	B :
Your Ref : T42338	S/N : 0870	Fab Inspec :
Work Req : REPAIRED	MFG : Goodrich	Manual :
Export : NLR-Foreign	Qty : 1.0000	Revision :
Completed P/N : 10037-0770	S/N As : 0870	Into Bin Loc : [w/h]: 86
Company : 1	Division :	Department :
Order Date : Nov-27-2023	Received Date : Oct-11-2023	Due Date : Oct-25-2023
		Print Date : Nov-27-2023

WORK ORDER No. 069815

Reported By Customer

QUOTE TO TEST AND RECERTIFY. QUOTE FOR REPAIR IF TEST FAILS.
QUOTE TO REPLACE MISSING DATA PLATE

Preliminary Insp.

S/N MATCHES.
CHIPPED PAINT ON HOUSING.

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.

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WORK ORDER DISPOSITION REPORT

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WORK ORDER No. 069815

Hidden/Teardown

FOUND LED DISPLAY ASSEMBLY ERRATIC - REQUIRES REPAIR.
CONNECTOR BROKEN OFF OF LED HYBRID - REQUIRES REPLACEMENT TO REPAIR DISPLAY ASSEMBLY.
FAILED LEAK TEST // CORROSION AROUND GLASS - REQUIRES GLASS REPLACEMENT.
FOUND END PLATE ASSEMBLY DISCOLORED - REQUIRES REPAIR.

Corrective Action

REPLACED END PLATE SCREW FOR RESEAL.
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.
REPAIRED, INSPECTED AND TESTED IN REF. TO CMM: 28-41-77 REV. 6 DATED 07-01-15
SRI REPAIR PROCESS 11206PM REV. 01 DATED 06-12-19.
SRI REPAIR PROCESS 11253RM REV. 06 DATED 02-07-20.
SRI REPAIR PROCESS 11004PM REV. 04 DATED 04-27-22.
SRI REPAIR PROCESS 11164RM REV. 04 DATED 06-17-22.

Misc. Notes

NONE.

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WORK ORDER DISPOSITION REPORT

WORK ORDER No. 069815

Item	Part Number / Description	Part Status	Qty	Cond	Discrepancy / Disposition
PARTS & MATERIALS					
01	6X6X10	32 - Installed Component	1.0000	EA NE	Disc. : _____ Disp. : _____
	ATA-300 SHIPPING CONTAINER (MSU)				
	NSN: 8115-00-192-1603				
02	11164	32 - Installed Component	1.0000	EA NE	Disc. : _____ Disp. : _____
	COVER GLASS (D1716-15 REV B)				
03	058339-10	32 - Installed Component	1.0000	EA NE	Disc. : _____ Disp. : _____
	FQI DATA PLATE				
04	90011-0000-0107	32 - Installed Component	1.0000	EA NE	Disc. : _____ Disp. : _____
	FQI WARNING PLATE				
05	90403-004071	32 - Installed Component	1.0000	EA NE	Disc. : _____ Disp. : _____
	TEARBAND				
06	11172	32 - Installed Component	1.0000	EA NE	Disc. : _____ Disp. : _____
	REAR BEZEL				
07	11197	32 - Installed Component	1.0000	EA NE	Disc. : _____ Disp. : _____
	FRONT BEZEL				
08	11240B	32 - Installed Component	1.0000	EA NE	Disc. : _____ Disp. : _____
	BRACKET				
09	11242	32 - Installed Component	1.0000	EA NE	Disc. : _____ Disp. : _____
	GASKET				
10	11207	32 - Installed Component	1.0000	EA NE	Disc. : _____ Disp. : _____
	LED DISPLAY (MII P/N 67154-101)				
	Serial No. : A00695				

Continued on next page...



WORK ORDER DISPOSITION REPORT

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WORK ORDER No. 069815

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			Disc. : _____
14	SHOP SUPPLIES (2)	32 - Installed Component	1.0000 EA NE	Disc. : _____
	SCREW MS51957-2			Disp. : _____
15	11013	33 - Removed Component	1.0000 EA BER	Disc. : _____
	LED HYBRID			Disp. : _____
	PART REMOVED - BER			
	Serial No. : NONE			

0870 atp

GOODRICH CORPORATION
FUEL AND UTILITY SYSTEMS
VERGENNES, VERMONT 05491

Acceptance Test Procedure
for the
737-700 Preselect Indicator

UUT Information:

UUT Part Number:	10037-0770
UUT Serial Number:	0870

Test Equipment Information:

Test System:	SP-1251 S/N:1000603390
Test System Software:	S/W: 2303002-03-01 Rev: C

Test Conditions:

Test Procedure:	CMM 28-41-77
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0870 atp

Output Mode - ALL DATA
Hardcopy - disabled
Datalogging - ENABLED -> Filename: 0870 ATP
Single Step - disabled
Stop On Fail - disabled
Beep On Fail - disabled

□

DISPLAY TEST SWITCH

ALL Segments alternate between Activated/De-Activated.
PASS

DISPLAY SEGMENT TEST

Verify Upper Fuel Qty display equals 0.
PASS
Verify Upper Fuel Qty display equals 11110.
PASS
Verify Upper Fuel Qty display equals 22220.
PASS
Verify Upper Fuel Qty display equals 33330.
PASS
Verify Upper Fuel Qty display equals 44440.
PASS
Verify Upper Fuel Qty display equals 55550.
PASS
Verify Upper Fuel Qty display equals 66660.
PASS
Verify Upper Fuel Qty display equals 77770.
PASS
Verify Upper Fuel Qty display equals 88880.
PASS
Verify Upper Fuel Qty display equals 99990.
PASS
Verify Upper Fuel Qty display equals 9990.
PASS
Verify Upper Fuel Qty display equals 990.
PASS
Verify Upper Fuel Qty display equals 90.
PASS
Verify Upper Fuel Qty display equals 0.
PASS

LB/KG DISPLAY TEST

Verify Qty equals 88880 and KG lite.
PASS

PASS

PROGRAM PINS TEST

Left ID ..Verify 55550 on Upper and 1 on Lower Ctr display.

Page 2

0870 atp

PASS

Right ID ..Verify 66660 on Upper and 2 on Lower Ctr display.

PASS

Center ID..Verify 77770 on Upper and C on Lower Ctr display.

PASS

Aux ID ..Verify 88880 on Upper and A on Lower Ctr display.

PASS

Fail ..Verify Id on Upper and FAIL on Lower Ctr display.

PASS

VALVE POWER JUMPER TEST

Value Opens and Preselect Qty Inc/Dec.

PASS

Valve operates from Closed to Open.

PASS

Test Summary:

Test completed 07:03 Nov 22, 2023

UUT PASSED

Operator

Product Assurance

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