

1. Approving Civil Aviation
Authority/Country:

2.

FAA/UNITED STATES

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

3. Form Tracking Number:

773 - W535634

4. Organization Name and Address:



Aero Instruments & Avionics, Inc.
3332 Walden Avenue, Suite 100
Depew, NY 14043

5. Work Order/Contract/Invoice
Number:

RO81059

(NC1R343K)

6. Item:

7. Description:

8. Part Number:

9. Quantity:

10. Serial Number:

11. Status/Work:

1. MARK V EGPWS

965-1676-006

1.00

EMK5-05859

OVERHAULED

12. Remarks:

TEARDOWN INSPECTION REPORT # W535634 DESCRIBING THE ACTUAL WORK PERFORMED IS ATTACHED. THE DESCRIBED WORK WAS PERFORMED FOR MAGELLAN AVIATION SERVICES LTD. REFERENCE THE CURRENT HONEYWELL ORIGINAL EQUIPMENT SPECIFICATIONS LISTED AND/OR OTHER SPECIFICATIONS.

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.145.4037

CMM 34-45-64, Revision #: 9, Revision Date: 28/Sep/2021

LATEST TDB NOT INSTALLED. OPERATOR MUST INSTALL LATEST TDB AT TIME OF AIRCRAFT INSTALLATION.

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. ☒ 14 CFR 43.9 Return to Service

☒ 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.

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):

MICHAEL L. HARLOCK

01/Aug/2023

Michael Harlock

NC1R343K

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.

Statement 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.

**Aero Instruments & Avionics, Inc.**

3332 Walden Avenue, Suite 100
Depew, NY 14043
United States
Ph: 716-694-7060, Fax: 716-694-7594

Tear Down/Inspection**Work Order #: W535634**

Date Printed: 8/1/2023

Time: 1:40:51 PM

Page: 1

To:

ATTN: SHANNON
MAGELLAN AVIATION SERVICES LTD.
SHANNON FREE ZONE, COUNTY CLARE
IRELAND, FN
IRELAND

Ship To:

MAGELLAN AVIATION SERVICES LTD.
PLEASE CONFIRM
FL 33166
US

Cust RO: RO81059

PN: 965-1676-006

Serial Number: EMK5-05859

Cust Code: 773

Descr: MARK V EGPWS

Tail Number:

Status/Work: OVERHAULED

Mfg: HONEYWELL

Date Completed: 8/1/2023

Gateway:

Date Removed:

Test Spec: 34-45-64

Rev: 9

Rev. Date: 9/28/2021

Symptoms:

Customer Requested

UNIT IS FOR BENCH TEST & RECERTIFICATION PER CURRENT OEM CMM (PLEASE QUOTE TO REPAIR IF UNIT FAILS BENCH TEST) PERFORM ALL APPLICABLE AD NOTES AND MANDATORY SB'S AS REQUIRED.

Faults:

FAILS TESTING

ARINC 429 TX, OPEN LEG A

UNIT DIRTY

REQUIRES INTERNAL CLEANING, INSPECTION, AND RE-SEATING OF CCA'S

FOUND DEFECTIVE PART(S)

A1C11 CRACKED, A1C14 THERMALLY UNSTABLE

COLD/ POOR SOLDER JOINTS

A2U6, A2U15, A2U201, A2U202, A2U207, A2U208, A2U210, A2U211

ADDITIONAL INFORMATION

UNIT HAS TDB 633 INSTALLED

FINAL DISPOSITION: OVERHAUL

COMPLETED OVERHAUL BY PERFORMING A FULL INTERNAL/EXTERNAL INSPECTION OF COMPONENTS, BOARDS, SOLDER JOINTS, WIRING AND HARDWARE WITH NO ADD'L DEFECTS FOUND.

MOD LEVEL:

1

Corrective Actions:

INTERNAL INSPECTION

REPLACED DEFECTIVE PART(S)

REWORKED SOLDER JOINTS/CONNECTIONS

RESEATED COMPONENT/CIRCUIT CARD

CLEANED UNIT

TESTED UNIT REF. MANUFACTURER'S CMM

UNIT CERTIFIED AS AIRWORTHY

NOTES:

LATEST TDB NOT INSTALLED. OPERATOR MUST INSTALL LATEST TDB AT TIME OF AIRCRAFT INSTALLATION.

**** See Invoice For Full Parts Breakdown ****

The purpose of this report is to furnish information only. It is not to be used or accepted as the basis for issuance of a Airworthiness Approval Tag.
This report must be retained with component.



Aero Instruments & Avionics, Inc.

3332 Walden Avenue, Suite 100
Depew NY
14043 USA

PACKING SLIP

Ship To Name and Address:

MAGELLAN AIRCRAFT SERVICES LLP
2345B TOWNSHIP ROAD
CHARLOTTE, NC 28273
Attention: SHANNON
Tel:

Barcodes:



Packing Slip No.	: SH35060
Packed Date	: 01-Aug-2023
Packed By	: ROBERT SAMBOREK
Ship Via	: UPS-GRND
Shipping Account #	: E0W106
Container	:
Customer Code	: 773

Part Number	Description	Qty	Serial Number	AIA Reference	Customer Reference
965-1676-006	MARK V EGPWS	1	EMK5-05859	W535634	RO81059

These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. government or as otherwise authorized by U.S. law and regulations.