

4. Organization Name and Address:

FORTNER
engineering

918 Thompson Avenue, Glendale, CA 91201
FAA Certified Repair Station PU3R776L
Telephone (818) 240-7740 • Facsimile (818) 240-1009
info@fortnereng.com • www.fortnereng.com

5. Work Order/Contract/Invoice Number:

PO: T222468
FEM JN: RJ-6847

| 6. Item: | 7. Description: | 8. Part Number: | 9. Quantity: | 10. Serial Number: | 11. Status/Work: |
|----------|----------------------|-----------------|--------------|--------------------|------------------|
| 1 | RUDDER SERVO CONTROL | 810A0000-05 | 1 | 07847 | OVERHAULED |

12. Remarks:
All work on the identified unit has been accomplished using FAA acceptable data listed on the attached teardown report for our Job# RJ-6847, and the referenced data as follows;
CMM 27-21-01 Rev 12 Dated 12/15/14

FEM certifies that the work specified in blocks 11 and 12 was performed in accordance with EASA Implementation Rule part 145 approval, and with respect to that work, the aircraft component is considered ready for release to service under EASA approval number EASA.145.4451.

| | | | | | |
|---|----------------------------------|--|--|---|--|
| 13a. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12. | | 14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service 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. | | 14b. <input checked="" type="checkbox"/> Other regulation specified in Block 12 | |
| 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): Robert S. Fortner | 14e. Date (dd/mm/yyyy): 31/MAR/2015 | PU3R776L | |

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the 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.

FAA Form 8130-3 (02-14)

NSN: 0052-00-012-9005

F O R T N E R E N G I N E E R I N G & M F G.
TEARDOWN REPORT Mar 31, 2015

FORM #05

A.J. WALTER AVIATION

P.O.# T22468

PART NUMBER 810A0000-05 RUDDER SERVO CONTROL S/N 07847

LAST SERVICE TSN/CSN: UNKNOWN

REMOVED FROM A/C N803FR

System Tracking REF. NO. FE15-0951

FORTNER JOB NO. RJ-6847

A/C POSITION UNKNOWN

REASON FOR REMOVAL

CONFIRMED

NO

"NO REMOVAL REASON GIVEN"

RECEIVING INSPECTION FINDINGS

UNIT FAILED TEST AS RECEIVED. THE LAP ASSEMBLY HAD LEAKAGE AND A WORN INPUT SHAFT CRANK BALL. THERE WAS ALSO EXTERNAL LEAKAGE FROM THE PISTON SEAL. THE SEALS WERE WORN AS RECEIVED.

PRIMARY CAUSE OF FAILURE

WORN SEALS AND UNSERVICEABLE LAP ASSEMBLY

OHM/CMM, A/D's, SERVICE BULLETINS, CUSTOMER INSTRUCTIONS COMPLIED WITH

27-21-01 Rev 12 Date 12/15/14

DISPOSITION OF PART/WORK PERFORMED

DISASSEMBLED AND INSPECTED DETAIL PARTS AND TEST SUBASSEMBLIES. TWO OF THE LAP ASSEMBLIES PASSED TEST AS RECEIVED. THE CONTROL LAP AND THE CRANK WERE REPAIRED. SEALING SURFACES WERE POLISHED TO A SERVICEABLE CONDITION. PROCESSED UNIT FOR RETURN TO SERVICE AS OVERHAULED.

DISPOSITION OF PART SUBASSEMBLIES

810A0500-04 LAP ASSY - CONTROL REPAIR

810A0600 LAP ASSY - BYPASS TEST ONLY

810A0700 LAP ASSY - RELIEF TEST ONLY

810-0503 CRANK REPAIR

STANDARD PARTS

4 ea 23350AC040L TAB WASHER, 1 ea 23350CA080, 1 ea 7014MR952T G/T SEAL, 3 ea LN94-15015,
3 ea MS27595-011, 3 ea MS27595-116, 1 ea MS27595-129, 1 ea MS27595-139,
2 ea MS27595-147, 3 ea NAS1611-011, 1 ea NAS1611-023, 3 ea NAS1611-116,
1 ea NAS1611-129, 1 ea NAS1611-139, 2 ea NAS1611-147, 1 ea NAS1612-4,
1 ea NAS1612-5, 1 ea NAS1612-6, 4 ea Q4214-559N, 1 ea S11065-10-5,
1 ea S30855-111H99, 2 ea S30855-215H99, 1 ea S32152-329PH, 2 ea S34831-215H99,

NON-STANDARD PART

To the best of Fortner Eng. & Mfg., Inc.'s knowledge, this component has not been involved in any major incident, accident or fire during its operation; nor was this component obtained from a government source.