

1. Approving Civil Aviation Authority/Country: FAA/UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Tracking Number: RM-104252	
4. Organization Name and Address: Fortner Engineering & Manufacturing 918 Thompson Avenue Glendale, CA 91201-2012 USA Ph: 818-240-7740, Fax: 818-240-1009 FAA Approval Holder: PU3R776L				5. Work Order/Contract/Invoice Number: CUST PO : R388787 FEM JN: RM-104252	
6. Item	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	MLG RETRACT ACTUATOR ASSEMBLY	273N2006-3	1	SA00887	OVERHAULED
12. Remarks:					

All work on your Repair Order# R388787 has been accomplished using FAA acceptable data listed on the attached teardown report for our Job# RM-104252, and the referenced data as follows:
OHM/CMM ID: 32-32-05, Revision# 44, Revision Date: 11/1/2020
S/B 32-0101 ACCOMPLISHED

FE&M 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 approval # EASA.145.4451

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):

Alan Smallbone

22/Mar/2022

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.

Teardown Report 3/22/2022

SYSTEM TRACKING REF. NO. RM-104252

FORTNER JOB NO. RM-104252

Serial Number SA00887

Part Number 273N2006-3 MLG RETRACT ACTUATOR

ASSEMBLY

Removed From A/C EC-NIU

A/C Position UNKNOWN

RFR Confirmed

Yes

Reason For Removal

LEAKING TO BE MOD TO 273N2006-3

Receiving Inspection Findings

3UNIT RECEIVED IN FAIR CONDITION. THE SEALS WERE WORN. THE NAMEPLATE WAS DAMAGED. THE NUT-SEAL AND END CAP WERE CORRODED AS RECEIVED. THE UNIT WAS MODIFIED TO PN 273N2006-3 PER THE CUSTOMERS REQUEST.

Primary Cause of Failure

IN SERVICE WEAR

OHM/CMM, A/D's Service Bulletins, Customer Instructions Complied With

32-32-05

Rev No:44

Revision Date:11/1/2020

S/B 32-0101 ACCOMPLISHED.

Disposition of Part/Work Performed

DISASSEMBLED THE UNIT AND INSPECTED DETAIL PARTS FOR WEAR/FUNCTION. SEAL WEAR NOTED. SEALING SURFACES POLISHED TO A SERVICEABLE CONDITION. REPAIRED/REPLACED ALL OTHER DETAIL PARTS AS REQUIRED. PROCESSED THE UNIT FOR RETURN TO SERVICE WITH OVERHAULED CERTIFICATION.

Disposition of Part SubAssemblies

273N2057-1 LAP ASSY TEST IN-VA

273N2060-1 SNUBBER ASSY RETRACT TEST IN-VA

Standard BOM

1728B GREASE FITTING QTY: 6, 273N2073-1 LOCKWASHER QTY: 2, 66-12156-35 LOCKWASHER-CUP
QTY: 1, 7348MT952T G/T SEAL QTY: 1, BACS34A20A SCRAPER QTY: 1, MS28782-10 B/U RING
QTY: 2, MS28782-11 B/U RING QTY: 2, MS28782-12 RING QTY: 8, MS28782-17 B/U RING QTY: 4,
MS28782-25 B/U RING QTY: 2, MS28782-33 B/U RING QTY: 2, MS28782-51 B/U RING QTY: 1,
MS28782-57 B/U RING QTY: 2, MS28782-9 B/U RING QTY: 2, NAS1611-111 PACKING QTY: 1,
NAS1611-112 PACKING QTY: 1, NAS1611-113 PACKING QTY: 1, NAS1611-114 PACKING QTY: 4,
NAS1611-212 PACKING QTY: 2, NAS1611-220 PACKING QTY: 2, NAS1611-328 PACKING QTY: 1,
NAS1611-330 PACKING QTY: 1, NAS1611-348 PACKING QTY: 2, NAS1612-10 GASKET QTY: 2, NAS1612-12 GASKET QTY: 2, S30652-220N SEAL-DBL DELTA QTY: 1,
S33121-328-99 FOOT SEAL QTY: 1,

Non-Standard BOM

BAC27NHYY0025 NAMEPLATE QTY: 1, 9R3564 RESTRICTOR QTY: 1, 273N2070-1 NUT-SEAL
RTNR QTY: 1, 273N2053-1 END CAP QTY: 1,

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.

Teardown Report 3/22/2022

PO# R388787 **SYSTEM TRACKING REF. NO.** RM-104252
Part Number 273N2006-3 **MLG RETRACT ACTUATOR ASSEMBLY** **FORTNER JOB NO.** RM-104252
Serial Number SA00887
Removed From A/C EC-NIU **A/C Position** UNKNOWN **RFR Confirmed** Yes
Reason For Removal
LEAKING TO BE MOD TO 273N2006-3

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Primary Cause of Failure

IN SERVICE WEAR

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32-32-05 Rev No:44 Revision Date:11/1/2020

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