



SERVICE LETTER

FOR THE REPLACEMENT OF

10953-009 THREADED ROD ASSEMBLY & 10954 THREADED END

USED ON

SIMPLEX 10900-005 SPRAY SYSTEMS

INSTALLED ON


KAMOV Ka-32 ROTORCRAFT

Document No.: SL 2007-006
Revision F

Date: 06 August 2008

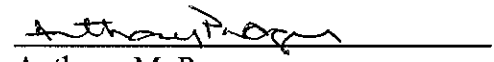
Effectivity: 10900-005

Written by:




William C. Strait
Director of Engineering

Approved by:



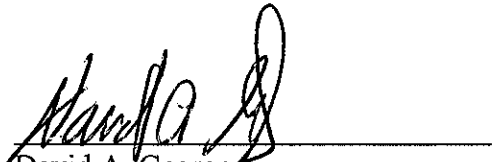
Anthony M. Proger
Lead Designer

Approved by:




Joel Rodriguez
Manufacturing Manager

Approved by:



David A. George
Director of Sales

Written by:



Mark Zimmerman
Quality Assurance Manager



No: SL 2007-006
Revision F
Date: 28 May 2008
Page 2 of 5

Log of Revisions

Rev.	Description of Revision	Date	Approved
I/R	Initial Release	08/12/07	WCS
A	Updated format of document; added Log of Revisions Revised Compliance (was) 90 days or 100 flight hours	10/22/07	WCS
B	Revised Manpower Estimate (was) for work performed by LG International Co., Ltd., or other Simplex Approved Distributor	11/26/07	WCS
C	Serial Number Effectivity (was) all and (was) Serial Number Effectivity. Compliance (was) Mandatory within 180 days or 100 flight hours	3/24/08	WCS
D	Compliance (was) Mandatory within 100 flight Hours from initial release	5/08/08	WCS
E	Revised Publications Affected (was) "None"	5/28/08	WCS
F	Revised Accomplishment Instructions (was) "Apply Torque to LOCKNUT (111810-001) Of 275 FT-lbs (373 N-m)"	08/06/08	WCS



SYSTEM MODELS AFFECTED:

10900-005 SPRAY SYSTEM

PART NUMBERS AFFECTED:

10953-009 THREADED ROD ASSEMBLY
10954-000 THREADED END
111810-001 1-1/8 X 7 PLT NUT GRB

TANK SERIAL NUMBER EFFECTIVITY:

<u>TANK S/N</u>	<u>MODEL NUMBER</u>	<u>DESCRIPTION</u>
003* thru 006	10900-005	SPRAY SYSTEM

*There exist two (2) Tank S/N 003 corresponding to System S/N 002 and 003

FAA APPROVAL:

None

MANPOWER:

Four (4) MHRS (Estimated) for work performed by LG International Co., Ltd., or other Simplex Approved Distributor or End User

COMPLIANCE:

Recommended within 100 flight hours from initial release; mandatory by 31 December 2008

HISTORY

The FAA published data showing 7075-T6 aluminum to be susceptible to stress corrosion cracking; 7075-T7 is the FAA recommended replacement.

There is no known non-destructive inspection to determine if stress corrosion is present; as a result Simplex is requiring the replacement of attachment hardware using 7075-T6 with hardware using 7075-T7.



BRIEF DESCRIPTION OF SERVICE LETTER:

- 1) Remove the 111810-001 LOCKNUT, 10953-009 THREADED ROD ASSEMBLY, and 10954-000 THREADED END
- 2) Replace removed items with new components manufactured from an aluminum alloy temper designed to better resist stress related corrosive attack

MATERIALS:

10953-009	THREADED ROD ASSEMBLY
10954-000	THREADED END
111810-001	1-1/8 X 7 PLT NUT GRB

SPECIAL TOOLS:

- 1) Calibrated Torque Wrench
- 2) 1 5/8" Socket
- 3) Spanner Wrench Part Number 10954-001 for Removing 10954
- 4) One half inch (0.5") Diameter metallic rod at least two (2) feet in length

WEIGHT AND BALANCE:

None

ELECTRICAL LOAD DATA:

None

REFERENCE:

10900-005 TECHNICAL MANUAL

PUBLICATIONS AFFECTED:

Service Bulletin SB10900050014 obsolete with the installation of this Service Letter



ACCOMPLISHMENT INSTRUCTIONS:

I. Remove the main tank assembly from rotorcraft

- (1) Ensure that the Fire Attack tank is empty and remove in accordance with the 10900-005 TECHNICAL MANUAL

II. Remove the 10953-009 THREADED ROD ASSEMBLY AND 10954 THREADED END

- (1) Use the 0.5" metallic rod to secure the THREADED ROD ASSEMBLY (10953-009) and prevent it from rotating
- (2) Remove the LOCKNUT (111810-001) and THREADED END (10954-000) from the bottom of the tank; discard these items
- (3) Remove the THREADED ROD ASSEMBLY (000-010953-009); discard this item;

III. Replace the 10953-009 THREADED ROD ASSEMBLY and 10954 THREADED END

- (1) Insert the new THREADED ROD ASSEMBLY (010953-009) into the tank
- (2) Use the 0.5" metallic rod to secure the THREADED ROD ASSEMBLY (010953-009) and prevent it from rotating
- (3) Install the new THREADED END (000-10954-000) and new LOCKNUT (111810-001):
 - i. Be sure to take up all clearance fully between tank surface and threaded end of THREADED ROD ASSEMBLY (010953-009)
 - ii. Apply torque to LOCKNUT (111810-001) of 275 FT-lbs (373 N-m)

IV. COMPLETION

- (1) Store main tank assembly or reinstall in rotorcraft in accordance with 10900-005 TECHNICAL MANUAL