



SERVICE LETTER

FOR THE REPLACEMENT OF

10953-002 THREADED ROD ASSEMBLY & 10954 THREADED END

USED ON

SIMPLEX 10900-050 & 328 FIRE ATTACK SYSTEMS

INSTALLED ON

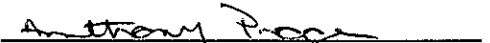
KAMOV Ka-32 ROTORCRAFT


Document No.: SL 2007-008
 Revision F

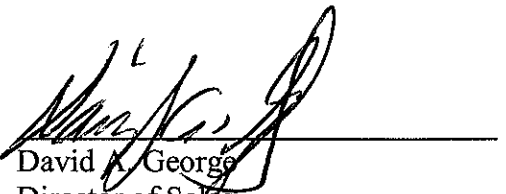
Date: 06 August 2008

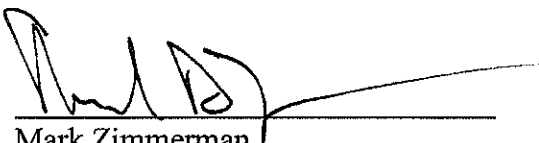
Effectivity: 10900-050
 328-000 000-001

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**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:

10900-050	FIRE ATTACK SYSTEM
328-000-000-001	FIRE ATTACK SYSTEM

PART NUMBERS AFFECTED:

10953-002	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>
010 thru 036	10900-050	FIRE ATTACK SYSTEM
001	328-000-000-001	FIRE ATTACK SYSTEM

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, 10953-002 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:

10953-002	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:

10900-050 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 10900-050 OR 328 technical manual (as applicable)

II. Remove the 10953-002 THREADED ROD ASSEMBLY AND 10954 THREADED END

- (1) Use the 0.5" metallic rod to secure the THREADED ROD ASSEMBLY (10953-002) and prevent it from rotating
- (2) Remove the LOCKNUT (11810-001) and THREADED END (10954-000) from the bottom of the tank; discard these items
- (3) Remove the THREADED ROD ASSEMBLY (10953-002); discard this item

III. Replace the 10953-002 THREADED ROD ASSEMBLY and 10954 THREADED END

- (1) Insert the new THREADED ROD ASSEMBLY (10953-002) into the tank
- (2) Use the 0.5" metallic rod to secure the threaded rod assembly and prevent it from rotating
- (3) Install the new THREADED END (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 (000-010953-002)
 - 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 10900-050 or 328 TECHNICAL MANUAL (AS APPLICABLE)