



## SERVICE LETTER

Service Letter Number	Simplex Model	Issue Date	Revision	Revision Date
SL2010-003	304	January 26, 2010	I/R	January 26, 2010

Written By:

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Approved By:

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Director of Engineering**Subject:** Tank Vibration Dampening**Applicability:** This service letter is applicable to Simplex Manufacturing Model 304 Fire Attack Systems installed on Bell 205A-1, 205B, 212, 412, AB412, 412EP and UH-1 series rotorcraft.

Some operators are experiencing excessive tank vibrations due to the harmonics of the rotorcraft. This Service Letter offers a modification for those tank systems. Not all tanks are affected.

**NOTE:** *The information contained in this document is for reference only and does not supersede the service instructions contained in the Model 304 Maintenance Documents referenced below.***References:** Follow instructions in the following manuals where applicable to avoid damage to system while performing procedures in this service letter.

- Bell Maintenance Manual (MM) or Instructions for Continued Airworthiness (ICA).
- Simplex Model 304 Maintenance Manual (MM) Document Number 304-102005-001.
- Simplex Model 304 Installation Manual Document Number 304-102002-001.

**Purpose:** This document was drafted to provide stiffening to the internal baffles in order to reduce tank flex and vibration during flight.

**Compliance:** Compliance of this service letter is recommended for 304 operators who are experiencing vibration or baffle failure due to excessive deflection.

**Weight and Balance:**

Tank assembly weight increases by approximately eight (8) pounds.

**Electrical Loads:**

No effect.

**Parts:** This service letter must be done at the factory due to the scope of the repair procedure. There are no additional parts required. Contact Simplex Manufacturing for cost and schedule availability of tank modifications.

**Tools and Equipment:**

1. Typical mechanics tools
2. Ground handling cart
3. Shipping Crate

**Procedure:**

1. Remove tank from rotorcraft in accordance with the Simplex 304 FAS MM.

**NOTE:** *Failure to follow tank removal and installation instructions from the MM could result in damage to system or rotorcraft.*

2. Inspect hardpoint attachments for condition. Replacement parts are available from Simplex.
3. Package tank for shipping and return to Simplex Manufacturing. DO NOT return hover pump assembly, cockpit controls etc.
4. Upon receipt of repaired tank, thoroughly inspect for shipping damage. If damage is found contact the carrier and Simplex for claim and repair procedures.
5. Make the appropriate logbook entries and return rotorcraft to service.

