

United States of America  
Department of Transportation -- Federal Aviation Administration  
**Supplemental Type Certificate**  
**IMPORT**

*Number* SR02253NY

*This certificate issued to* Aero Design Ltd.  
2013-39<sup>th</sup> Avenue NE  
Calgary, Alberta, T2E 6R7  
Canada

*certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part 27 of the Federal Aviation Regulations.*

*Original Product -- Type Certificate Number:* H2SW

*Make:* Bell Helicopter Textron Canada Limited

*Model:* 206L, 206L-1, 206L-3, 206L-4, 407

*Description of Type Design Change:*

The installation of Cargo Basket, External Attachment Provisions, Auxiliary Step and Quick Release Step for:

I. Bell 407 Only

1. **407 Configuration A-External Attachment Provisions Only:** Installation of External Attachment Provisions to be done in accordance with Aero Design Ltd. Document Control List, DCL 700, Revision 1 dated September 22, 2007, or later Transport Canada approved revision.

(Description of Type Design Change continued on page 2 of 5)

*Limitations and Conditions:*

I. Bell 407 Only

1. **407 Configuration A-External Attachment Provisions Only:**

- a. Operation must be in accordance with Aero Design Ltd. Flight Manual Supplement, FMS 700.91, Revision 0 dated May 4, 2006, Transport Canada approved June 9, 2006, or later Transport Canada approved revision.
- b. Instructions for Continued Airworthiness described in Aero Design Ltd. Instructions for Continued Airworthiness ICA 700.90, Revision 0 dated May 3, 2006, Transport Canada accepted June 9, 2006, or later Transport Canada accepted revisions are required for this installation.
- c. External Attachment Provisions installed in accordance with DCL700 may remain installed if the basket installation is removed.

(Limitations and Conditions continued on page 3 of 5)

*This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.*

*Date of application:* August 9, 2004

*Date reissued:*

*Date of issuance:* April 19, 2006

*Date amended:* April 1, 2011, August 6, 2012



*Description of Type  
Design Change*

*By direction of the Administrator*

(Signature)

Raymond Reinhardt  
Acting Manager  
New York Aircraft Certification Office

(Title)

(Continued):

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

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# Supplemental Type Certificate

(Continuation Sheet)

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Date of Amendment: August 6, 2012

I. Bell 407 Only (Continued)

2. **407 Configuration B-External Cargo Basket Installation (Low Mounted Fixed):** Installation of Configuration A, External Attachment Provisions is a prerequisite for Configuration B, External Cargo Basket Installation. Installation of External Cargo Basket is to be completed in accordance with Transport Canada approved, Aero Design Ltd. Document Control List DCL 606, Revision 3, dated September 28, 2007, or later Transport Canada approved revision. High skid gear is required for the basket installation. Placard is required on the basket lid.
3. **407 Configuration C-External Cargo Basket Installation (High Mounted Fixed):** Installation of Configuration A, External Attachment Provisions is a prerequisite for installation of Configuration C, External Cargo Basket Installation. Installation of the External Cargo Basket is to be completed in accordance with Transport Canada approved, AERO Design Ltd., Document Control List DCL 606-1, Revision 1, dated December 13, 2006, or later Transport Canada approved revision. Approved emergency exit "push out" windows or an approved sliding door are required on the side of the helicopter that the basket is installed on if passengers are to be carried. Placard required on the basket lid.
4. **407 Configuration D-External Cargo Basket Installation (Low Mounted Quick Release, Model 698):** Installation of Configuration A, External Attachment Provisions is a prerequisite for Configuration D, External Cargo Basket Installation. Installation of External Cargo Basket is to be completed in accordance with Transport Canada approved, Aero Design Ltd. Document Control List DCL 701, Revision 4, dated October 27, 2011, or later Transport Canada approved revision. High skid gear is required for the basket installation. Placard is required on the basket lid.
5. **407 Configuration E-External Cargo Basket Installation (High Mounted Quick Release):** Installation of Configuration A, External Attachment Provisions is a prerequisite for installation of Configuration E, External Cargo Basket Installation. Installation of the External Cargo Basket is to be completed in accordance with Transport Canada approved, AERO Design Ltd., Document Control List DCL 766-1, Revision 1, dated September 23, 2008, or later Transport Canada approved revision. Approved emergency exit "push out" windows or an approved sliding door are required on the side of the helicopter that the basket is installed on if passengers are to be carried. Placard required on the basket lid.
6. **407 Configuration F-External Cargo Basket Installation (Low Mounted Quick Release, Model 945):** Installation of Configuration A, External Attachment Provisions is a prerequisite for installation of Configuration F, External Cargo Basket Installation. Installation of the External Cargo Basket is to be completed in accordance with Transport Canada approved, AERO Design Ltd., Document Control List DCL 945-1, Revision 0, dated October 27, 2011, or later Transport Canada approved revision. High skid gear is required for the basket installation. Placard is required on the basket lid.
7. **407 Configuration G-External Cargo Basket Installation (Low Mounted Quick Release, Model 946):** Installation of Configuration A, External Attachment Provisions is a prerequisite for installation of Configuration G, External Cargo Basket Installation. Installation of the External Cargo Basket is to be completed in accordance with Transport Canada approved, AERO Design Ltd., Document Control List DCL 946-1, Revision 0, dated October 27, 2011, or later Transport Canada approved revision. High skid gear is required for the basket installation. Placard is required on the basket lid.

II. Bell 206L, L-1, L-3, L-4 Only

1. **206L Series Configuration A-External Attachment Provisions Only:** Installation of External Attachment Provisions to be done in accordance with Transport Canada approved, Aero Design Ltd. Document Control List, DCL 493, Revision 6 dated May 10, 2006, or later Transport Canada approved revision.
2. **206L Series Configuration B-External Cargo Basket Installation (Low Mounted Fixed):** Installation of Configuration A, External Attachment Provisions is a prerequisite for installation of Configuration B, External Cargo Basket installation. Installation of the cargo basket is to be completed in accordance with Transport Canada approved, AERO Design Ltd., Document Control List DCL 492, Revision 6, dated September 28, 2007, or later Transport Canada approved revision. High skid gear is required for the basket installation. Placard is required on the basket lid.
3. **206L Series Configuration C-External Cargo Basket Installation (Low Mounted Quick Release, Model 698):** Installation of Configuration A, External Attachment Provisions is a prerequisite for installation of Configuration C, External Cargo Basket installation. Installation of the cargo basket is to be completed in accordance with Transport Canada approved, AERO Design Ltd., Document Control List DCL 702, Revision 3, dated October 27, 2011, or later Transport Canada approved revision. High skid gear is required for the basket installation. Placard is required on the basket lid.

*Description of Type Design Change* (Continued).

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4. **206L Series Configuration D-External Cargo Basket Installation (High Mounted Quick Release):** Installation of Configuration A, External Attachment Provisions is a prerequisite for installation of Configuration D, External Cargo Basket Installation. Installation of the External Cargo Basket is to be completed in accordance with Transport Canada approved, AERO Design Ltd., Document Control List DCL 766-1, Revision 1, dated September 23, 2008, or later Transport Canada approved revision. Approved emergency exit "push out" windows or an approved sliding door are required on the side of the helicopter that the basket is installed on if passengers are to be carried. Placard required on the basket lid.
5. **206L Series Configuration E-External Cargo Basket Installation (Low Mounted Quick Release, Model 945):** Installation of Configuration A, External Attachment Provisions is a prerequisite for installation of Configuration E, External Cargo Basket installation. Installation of the cargo basket is to be completed in accordance with Transport Canada approved, AERO Design Ltd., Document Control List DCL 945-2, Revision 0, dated October 27, 2011, or later Transport Canada approved revision. High skid gear is required for the basket installation. Placard is required on the basket lid.
6. **206L Series Configuration F-External Cargo Basket Installation (Low Mounted Quick Release, Model 946):** Installation of Configuration A, External Attachment Provisions is a prerequisite for installation of Configuration F, External Cargo Basket installation. Installation of the cargo basket is to be completed in accordance with Transport Canada approved, AERO Design Ltd., Document Control List DCL 946-2, Revision 0, dated October 27, 2011, or later Transport Canada approved revision. High skid gear is required for the basket installation. Placard is required on the basket lid.

III. All Models (Bell 206L series and 407)

1. **Auxiliary Step Installation:** Installation of the Auxiliary Step is to be completed in accordance with Transport Canada approved, AERO Design Ltd., Document Control List DCL 623, Revision 4, dated November 30, 2010, or later Transport Canada approved revision.
2. **Cargo Basket Modifications:** Modifications to the cargo basket configurations are eligible in accordance with Transport Canada approved, AERO Design Ltd., Document Control List DCL 704, Revision 7, dated October 27, 2011, or later Transport Canada approved revision. Eligibility limitations are noted on the drawings.
3. **Quick Release Step Installation:** Installation of the Low Mounted Quick Release Basket (407-Configuration D, F, G; 206L-Configuration C, E, F) is required prior to the installation of the Quick Release Step. Installation of the Quick Release Step is to be completed in accordance with Transport Canada approved, AERO Design Ltd., Document Control List DCL 800-2, Revision 0, dated December 2, 2008, or later Transport Canada approved revision.

*Limitations and Conditions* (Continued):

I. Bell 407 Only (Continued)

2. **407 Configuration B-External Cargo Basket Installation (Low Mounted Fixed):**
  - a. Operation must be in accordance with Transport Canada approved, Aero Design Ltd. Flight Manual Supplement, FMS 606.01, Revision 2 dated September 28, 2007, or later Transport Canada approved revision.
  - b. Instructions for Continued Airworthiness described in Aero Design Ltd. Instructions for Continued Airworthiness ICA 492.90, Revision 1 dated September 28, 2007, Transport Canada accepted January 30, 2008 or later Transport Canada accepted revisions are required for this installation.
3. **407 Configuration C-External Cargo Basket Installation (High Mounted Fixed):**
  - a. Operation must be in accordance with Transport Canada approved, Aero Design Ltd. Flight Manual Supplement, FMS 606.01, Revision 2 dated September 28, 2007, or later Transport Canada approved revision.
  - b. Aero Design Ltd. Maintenance Instructions MI 606.01, Revision 2 dated July 19, 2004, Transport Canada accepted July 20, 2004 or later Transport Canada accepted revisions are required for this installation.
4. **407 Configuration D-External Cargo Basket Installation (Low Mounted Quick Release, Model 698):**
  - a. Operation must be in accordance with Aero Design Ltd. Flight Manual Supplement, FMS 701.90, Revision 3 dated October 26, 2011, Transport Canada approved November 30, 2011, or later Transport Canada approved revision.
  - b. Instructions for Continued Airworthiness described in Aero Design Ltd. Instructions for Continued Airworthiness ICA 698.90, Revision 3 dated August 2, 2012, Transport Canada accepted August 3, 2012 or later Transport Canada accepted revisions are required for this installation.

*Limitations and Conditions* (Continued):

5. **407 Configuration E-External Cargo Basket Installation (High Mounted Quick Release):**

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- a. Operation must be in accordance with Aero Design Ltd. Flight Manual Supplement, FMS 766.91, Revision 0 dated October 30, 2007, Transport Canada approved January 30, 2008, or later Transport Canada approved revision.
  - b. Instructions for Continued Airworthiness described in Aero Design Ltd. Instructions for Continued Airworthiness ICA 766.90, Revision 0 dated September 26, 2007, Transport Canada accepted January 30, 2008 or later Transport Canada accepted revisions are required for this installation.
  6. **407 Configuration F-External Cargo Basket Installation (Low Mounted Quick Release, Model 945):**
    - a. Operation must be in accordance with Aero Design Ltd. Flight Manual Supplement, FMS 701.90, Revision 3 dated October 26, 2011, Transport Canada approved November 30, 2011, or later Transport Canada approved revision.
    - b. Instructions for Continued Airworthiness described in Aero Design Ltd. Instructions for Continued Airworthiness ICA 698.90, Revision 3 dated August 2, 2012, Transport Canada accepted August 3, 2012 or later Transport Canada accepted revisions are required for this installation.
  7. **407 Configuration G-External Cargo Basket Installation (Low Mounted Quick Release, Model 946):**
    - a. Operation must be in accordance with Aero Design Ltd. Flight Manual Supplement, FMS 701.90, Revision 3 dated October 26, 2011, Transport Canada approved November 30, 2011, or later Transport Canada approved revision.
    - b. Instructions for Continued Airworthiness described in Aero Design Ltd. Instructions for Continued Airworthiness ICA 698.90, Revision 3 dated August 2, 2012, Transport Canada accepted August 3, 2012 or later Transport Canada accepted revisions are required for this installation.
- II. Bell 206L, L-1, L-3, L-4 Only
1. **206L Series Configuration A-External Attachment Provisions Only:**
    - a. Operation must be in accordance with Aero Design Ltd. Flight Manual Supplement, FMS 493.01 Revision 0 dated May 19, 2002, Transport Canada approved June 27, 2002 or later Transport Canada approved revision.
    - b. Instructions for Continued Airworthiness described in AERO Design Ltd. Instructions for Continued Airworthiness ICA 493.90, Revision 0 dated May 4, 2006, Transport Canada accepted June 9, 2006 or later Transport Canada accepted revisions are required for this installation.
    - c. External Attachment Provisions installed in accordance with DCL 493 may remain installed if the basket installation is removed.
  2. **206L Series Configuration B-External Cargo Basket Installation (Low Mounted Fixed):**
    - a. Operation must be in accordance with Transport Canada approved, Aero Design Ltd. Flight Manual Supplement, FMS 492.01 Revision 2 dated September 28, 2007, or later Transport Canada approved revision.
    - b. Instructions for Continued Airworthiness described in AERO Design Ltd. Instructions for Continued Airworthiness ICA 492.90, Revision 1 dated September 28, 2007, Transport Canada accepted January 30, 2008 or later Transport Canada accepted revisions are required for this installation.
  3. **206L Series Configuration C-External Cargo Basket Installation (Low Mounted Quick Release, Model 698):**
    - a. Operation must be in accordance with Aero Design Ltd. Flight Manual Supplement, FMS 702.90 Revision 3 dated October 26, 2011, Transport Canada approved November 30, 2011 or later Transport Canada approved revision.
    - b. Instructions for Continued Airworthiness described in AERO Design Ltd. Instructions for Continued Airworthiness ICA 698.90, Revision 3 dated August 2, 2012, Transport Canada accepted August 3, 2012 or later Transport Canada accepted revisions are required for this installation.
  4. **206L Series Configuration D-External Cargo Basket Installation (High Mounted Quick Release):**
    - a. Operation must be in accordance with Aero Design Ltd. Flight Manual Supplement, FMS 766.92 Revision 0 dated October 30, 2007, Transport Canada approved January 30, 2008 or later Transport Canada approved revision.
    - b. Instructions for Continued Airworthiness described in AERO Design Ltd. Instructions for Continued Airworthiness ICA 766.90, Revision 0 dated September 26, 2007, Transport Canada accepted January 30, 2008 or later Transport Canada accepted revisions are required for this installation.
  5. **206L Series Configuration E-External Cargo Basket Installation (Low Mounted Quick Release, Model 945):**
    - a. Operation must be in accordance with Aero Design Ltd. Flight Manual Supplement, FMS 702.90 Revision 3 dated October 26, 2011, Transport Canada approved November 30, 2011 or later Transport Canada approved revision.
    - b. Instructions for Continued Airworthiness described in AERO Design Ltd. Instructions for Continued Airworthiness ICA 698.90, Revision 3 dated August 2, 2012, Transport Canada accepted August 3, 2012 or later Transport Canada accepted revisions are required for this installation.
  6. **206L Series Configuration F-External Cargo Basket Installation (Low Mounted Quick Release, Model 946):**

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- a. Operation must be in accordance with Aero Design Ltd. Flight Manual Supplement, FMS 702.90 Revision 3 dated October 26, 2011, Transport Canada approved November 30, 2011 or later Transport Canada approved revision.
- b. Instructions for Continued Airworthiness described in AERO Design Ltd. Instructions for Continued Airworthiness ICA 698.90, Revision 3 dated August 2, 2012, Transport Canada accepted August 3, 2012 or later Transport Canada accepted revisions are required for this installation.

III. All Models (Bell 206L series and 407)

1. **Auxiliary Step Installation:**

- a. The auxiliary step is optional and is not required with installations listed above.
- b. Auxiliary Step installed in accordance with DCL 623 may remain installed if the basket installation is removed.
- c. Instructions for Continued Airworthiness described in AERO Design Ltd. Instructions for Continued Airworthiness ICA 623.91, Revision 1 dated November 30, 2010, Transport Canada accepted December 3, 2011 or later Transport Canada accepted revisions are required for this installation.

2. **Cargo Basket Modifications:** Eligibility limitations are noted on the drawings contained in AERO Design Ltd., Document Control List DCL 704, Revision 7, dated October 27, 2011, or later Transport Canada approved revision.

3. **Quick Release Step Installation:**

- a. The Quick Release Step is optional and is not required with the Quick Release Cargo Basket Installation.
- b. The Quick Release Step may be stowed in the inboard position on the mounting provisions when the Quick Release Cargo Basket is installed.
- c. Instructions for Continued Airworthiness described in AERO Design Ltd. Instructions for Continued Airworthiness ICA 800.90, Revision 2 dated December 2, 2008, Transport Canada accepted April 7, 2009 or later Transport Canada accepted revisions are required for this installation.

IV. The Installer must determine whether this design change is compatible with previously approved modifications.

V. If the holder agrees to permit another person to use the certificate to alter a product, the holder must give the other person written evidence of that permission.

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