

Commonwealth of Australia

CIVIL AVIATION
SAFETY AUTHORITY
AUSTRALIA

CIVIL AVIATION SAFETY AUTHORITY

03 JUN 2002

AVIATION INFORMATION SECTION

Supplemental Type Certificate

Number: SVR 501

This certificate issued to: Jeff McTaggart Helicopters
PO Box 1174
Surfers Paradise
Queensland 4217
Australia

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

Original Product – Type Acceptance Certificate Number : R15
& referenced FAA Type Certificate Number : H2SW
Make: Bell
Model: Bell 206B and Bell 206L-1

Description of Type Design Change: Installation of a under forward fuselage camera installation (Part Number 206/002/001) in accordance with Helitech Pty Ltd Engineering Orders HEO-580 and HEO-581 CASA approved 20th October 2000 or later CASA approved revision.

Limitations and Conditions: This Supplemental Type Certificate (STC) is limited to aircraft serial numbers 0554, 1309 and 45487.


CASA Approved Flight Manual Supplement, Helitech Reference FMSCAMRev1.Doc at amendment 4 dated 8th June 1999 for Bell 206B and FMSCAM-02Rev1.DOC amendment 4 dated 8th June 1999 for Bell 206L-1 or later CASA approved revision is required.

This approval should not be incorporated where other previously approved modifications are incorporated, unless it is determined by the installer that the interrelationship between this change and any of those previously approved modifications will produce no adverse effect upon the airworthiness of the aircraft.

This certificate and the supporting data which is the basis for approval shall remain in effect until suspended, cancelled or a termination date is otherwise established by the Civil Aviation Safety Authority.

Date of application: 30th November 1995
Date of issuance: 20th October 2000

This certificate is issued pursuant to Part 21.113A of the Civil Aviation Regulations 1998.


Ian Kearsley
Delegate of the Authority



This certificate may be transferred in accordance with CAR (1998) 21.47.

SUPPLEMENTAL TYPE DATA SHEET

No: SVR 501

Revision: 1

1. Applicability

- 1.1. This data sheet is applicable to Bell 206 series aircraft when fitted with the Under Forward Fuselage Camera Installation (Part No. 206/002/001) in accordance with Helitech Pty Ltd Engineering Order HEO-581 (for Bell 206L-1 VH-BKU) and HEO-580 (for Bell 206B VH-AJU and VH-BLR).
- 1.2. This data sheet is part of Supplemental Type Certificate number SVR 501 and shall be read in conjunction with U.S.A. Federal Aviation Administration Type Certificate Data Sheet number H2SW. Type data and limitations, which differ from the Type Certificate Data Sheet number H2SW, are stated below.
- 1.3. Approval of the modification of an aircraft in accordance with paragraph 1.1 above is conditional upon the aircraft being free of other modifications unless it has been determined that the combination of all modifications will not reduce the standard of airworthiness of the aircraft.

2. Certificate Holder

The holder of Supplemental Type Certificate number SVR 501 is:

Jeff McTaggart Helicopters
PO Box 1174
Surfers Paradise 4217
QLD

SUPPLEMENTAL TYPE DATA SHEET

No: SVR 501

Revision: 1

3. Limitations

- 3.1. Camera operation during normal passenger operations is prohibited, however during these operations the camera mount need not be removed.
- 3.2. Landings are limited to level surfaces only.
- 3.3. Operation of the rotorcraft is restricted to Day VFR when the camera mount and the camera are installed.
- 3.4. The rotorcraft must be fitted with high skid gear in accordance with Bell Helicopter Textron Service Instruction 206-22 for Bell 206, and Service Instruction 206-2013 or 206-2049 for Bell 206L-1.
- 3.5. The rotorcraft must be operated with all doors on when the camera mount is installed.
- 3.6. The camera mount is approved for operation with the following cameras:
 1. 16 SR Camera,
 2. Arri III Camera,
 3. Sony DX30 Video Camera,
 4. Panasonic 637 Video Camera,
 5. JVC 643 Video Camera and
 6. Hitachi 537 Video Camera.
- 3.7. Both cabin and flight crew members must entirely familiarise themselves with the operation of the camera mount before commencing operations.

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- 3.8. With the camera mount installed, the affect on aircraft weight and balance is as follows:

UNIT	Weight (kg)	Index (kg.mm/1000)
Camera mount	17.1	26.0
SR Camera	6.1	9.0
Arri III Camera	12.0	19.0
Sony DX30	7.0	10.5
Panasonic 637	7.0	10.5
JVC 643	6.0	9.0
Hitachi 537	7.0	10.5

- 3.9. With the camera mount installed with either of the two camera types installed, the V_{NE} is 90 KIAS.

- 3.10. The autorotative V_{NE} with either of the two cameras installed is 75 KIAS.

- 3.11. With the Camera Mount fitted, the rotorcraft rate of climb at 70 KIAS is reduced by 80 f.p.m.

4. Serial Numbers Eligible for Modification

The serial numbers applicable are 0554 (Bell 206B), 1309 (Bell 206B) and 45487 (Bell 2096L-1).

5. Certification Basis

Civil Air Regulations (CAR) 6 dated December 20, 1956, Amendments 6-1 thru 6-4, CAR 6.307(b) and 6.637 of Amendment 6-5, Special Conditions dated October 2, 1962 as revised February 8, 1966, plus water/alcohol power augmentation special conditions dated November 14, 1967, revised September 15, 1975. Special conditions for "IFR Instrument Flight

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requirements for Bell Model 206B/L" submitted to Bell by FAA (ASW-216) letter dated July 16, 1975. Exemption No. 595B for Model 206B and 206B-1 only.

6. Documentation

The following documents are required to specify use of under forward fuselage camera installation.

- 6.1. Installation of the under forward fuselage camera mount is to be in accordance with Helitech Pty Ltd Engineering Orders

Bell 206B	HEO-580
Bell 206L-1	HEO-581

The following drawings are listed on these Engineering Orders, installation is performed in accordance with these drawings.

Drawing	Revision	Title
BELL206/25/002-01	0	Installation Detail Nose Camera Mount Assembly
BELL206/25/002-02	0	Parts Detail Nose Camera Mount Assembly
BELL206/25/002-03	1	Parts Detail Nose Camera Mount Assembly
BELL206/25/002-04	1	Parts Detail Nose Camera Mount Assembly

- 6.2. CASA approved Bell 206B Flight Manual Supplement Amendment 4 or any later CASA approved revision.
- 6.3. CASA approved Bell 206 L-1 Flight Manual Supplement Amendment 4 or any later CASA approved revision.