



ALPINE AEROTECH LP
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CARGO MIRROR/PULSE LIGHT, KIT FLIGHT MANUAL SUPPLEMENT

MODELS: BELL 205A-1, 212, 412, 412EP & 412CF

Read all of the Flight Manual Supplement thoroughly
prior to commencing flight operations





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General Notes

1. The following information defines the operational requirements of BELL 205A-1, 212 and 412 series rotorcraft when modified with the Cargo Mirror/Pulse Light, Kit as defined in Alpine Aerotech LP Master Data List AAL-290-014-001.
2. Refer to the current revision of the applicable Cargo Mirror/Pulse Light, Kit Maintenance Manual Supplement (AAL-290-015-203/-205/-206) for information on maintenance procedures.
3. If changes to this document are required, Alpine Aerotech LP shall revise all pages and reissue the entire document.
4. Alpine Aerotech LP shall make any subsequent revisions of this document available upon request.



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Approved Notes

1. This document shall be attached to the approved Basic Flight Manual for the aircraft with subject design change incorporated in accordance with Alpine Aerotech LP Master Data List AAL-290-014-001, Revision B or later approved revisions.
2. The information within this document supplements or supersedes the approved Basic Flight Manual in the areas specified herein.
3. Refer to the current revision of the approved Basic Flight Manual or other applicable approved Flight Manual Supplement(s) for limitations, procedures and performance information not outlined within this document.
4. Sections 1, 2, 3 & 4 of this document are Approved sections. Compliance with Section 1, Limitations is mandatory.

Transport Canada Approved



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Section 1 Limitations

Types of Operation

1. Limited to day VFR use.

Airspeed Limitations

2. No change to the approved Basic Flight Manual.

Flight Crew

1. No change to the approved Basic Flight Manual.

Placards

2. No change to the approved Basic Flight Manual.

Section 2 Normal Operations

Pre-flight Inspection

1. Check the Cargo Mirror/Pulse Light, Kit for general condition and security.

In-flight Operation

1. The pilot is able to view the external load in the mirrors through the chin bubble in the floor of the crew compartment.
2. The pilot may choose to turn on the pulse lights at any time that he or she feels necessary to provide supplementary recognition lighting in low visibility/high traffic scenarios.
3. The pulse lights are activated by actuating a toggle switch located in a suitable location on the flight control panel.

Section 3 Emergency Procedures

1. No change to the approved Basic Flight Manual.

Section 4 Performance Data

1. No change to the approved Basic Flight Manual.

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Section 5 Weight and Balance

1. Refer to the approved Basic Flight Manual and applicable Basic Flight Manual Supplements for the appropriate weight and center of gravity limitations. There is no change to existing rotorcraft weight and center of gravity limitations with the Cargo Mirror/Pulse Light, Kit installed.
2. The following chart provides the Cargo Mirror/Pulse Light, Kit weight and location for the installer's reference. This Data is derived from the Cargo Mirror/Pulse Light, Kit Installation Instructions (AAL-290-015-003, -005 & -006) and is for reference only, any disagreement between the installation documents and AAL-290-015-401 for weight and balance, the installation documents shall govern.

205A-1

<u>Part Number</u>	<u>Description</u>	<u>Weight</u>	<u>Long. Arm</u>	<u>Lat. Arm</u>
AAL-290-010-901	Mirror/Light, Kit	10.34 lbs* 4.69 (Kg)	4.22 .11 (m)	0.00 0.00 (m)
AAL-290-010-002	Mirror, Kit	5.90* 2.68 (Kg)	3.12 .08 (m)	0.00 0.00 (m)

212

AAL-706-103-003	Mirror/Light, Kit	10.34 lbs* 2.68 (Kg)	8.14 .21 (m)	0.00 0.00 (m)
AAL-706-103-001	Mirror, Kit	5.90* 2.68 (Kg)	3.12 .08 (m)	0.00 0.00 (m)

412

AAL-290-010-902	Mirror/Light, Kit	10.34 lbs* 4.69 (Kg)	5.49 .14 (m)	0.00 0.00 (m)
AAL-706-103-001	Mirror, Kit	5.90* 2.68 (Kg)	3.12 .08 (m)	0.00 0.00 (m)

* Total increase in weight to aircraft per applicable model.