



## **SHOULDER HARNESS, KIT MAINTENANCE MANUAL SUPPLEMENT**

**MODELS: BELL 212 & 412**

Read all of the maintenance manual supplement instructions  
thoroughly prior to the inspection of this product



### **General Notes**

1. The following information defines the instructions for continuing airworthiness, repair allowances and airworthiness limitations for the item(s) referenced within this document.
2. Refer to the current revision of the applicable BHT Maintenance Manual, BHT-212-MM, or BHT-412-MM, or DND Maintenance Manual, C-12-146-000/MF-001, for the chapter(s) and section(s) referenced within this document.
3. Refer to the current revision of the Shoulder Harness, Kit Parts List (191M-99-001-PL) and Installation Instructions (191M-99-001-II) for the replacement and/or installation of the item(s) referenced within this document.
4. Scheduled inspection for the item(s) referenced within this document shall be accomplished in accordance with (IAW) the Inspection Procedures specified.
5. Repair allowances for the item(s) referenced within this document shall be accomplished IAW the Repair Procedures specified.
6. Limitations for the item(s) referenced within this document are IAW the Airworthiness Limitations specified.
7. Torque fasteners IAW standard aircraft practices unless otherwise specified. Refer to the current revision of the FAA manual AC 43.13-1B (Chapter 7) for details on standard aircraft practices.
8. Refer to the current revision of the Shoulder Harness, Kit Parts List (191M-99-001-PL) for information on consumable item(s) referenced within this document.
9. All Dimensions are in imperial measures (inches/pounds).
10. If changes to this document are required, Alpine Aerotech Ltd. shall revise all pages and reissue the entire document.
11. Alpine Aerotech Ltd. shall make any subsequent revisions of this document available upon request.



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## **Inspection Procedures**

### **Supplement to applicable Maintenance Manual, Chapter 5, Inspection and Component Overhaul Schedule**

#### **Notes**

1. For Bell Helicopter 212 aircraft, refer to the BHT-212-MM Maintenance Manual, Chapters 5-1, 5-2 & 5-3, for general information on inspections, inspection definitions, inspection intervals, inspection methods and inspection schedules.
2. For Bell Helicopter 412 aircraft, refer to the BHT-412-MM Maintenance Manual, Chapters 5-1, 5-2 & 5-3, for general information on inspections, inspection definitions, inspection intervals, inspection methods and inspection schedules.
3. For Bell Helicopter 412CF aircraft, refer to the C-12-146-000/MF-001 Maintenance Manual, Chapters 5-1 & 5-2, for general information on inspections, inspection definitions, inspection intervals, inspection methods and inspection schedules.
4. Refer to the current revision of the Am-Safe Abbreviated Component Maintenance Manual, 504920 Series, for instructions on continuing airworthiness for the following items.
  - i. All Lap Belt, Connector Half, Assys
  - ii. All Lap Belt, Buckle Half, Assys
  - iii. All Inertia Reel, Assys
5. General Inspections, as indicated within this document, are defined as visual, non-thorough checks.
6. Detailed Inspections, as indicated within this document, are defined as visual and thorough, searching checks.
7. Perform Daily Inspections every day, prior to flight operation. If damage is detected, perform the 1000 Hour/12 Month Inspection.
8. Perform 1000 Hour/12 Month Inspections every 1000 hours or every 12 months, whichever occurs first, prior to flight operation. If damage is detected, refer to the Repair Procedures section within this document.



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Scheduled Inspections

1. Daily Inspections

Data Reference:      Shoulder Harness, Kit Parts List  
                            Shoulder Harness, Kit Installation Instructions

- i. Perform a General Inspection on all the items in the Shoulder Harness, Kit, for general condition.
- ii. Perform a General Inspection on all the items in the Shoulder Harness, Kit, for proper security.
- iii. Perform a General Inspection on all the items in the Shoulder Harness, Kit, for proper function.

Scheduled Inspections

2. 1000 Hour/12 Month Inspections

Data Reference:      Shoulder Harness, Kit Parts List  
                            Shoulder Harness, Kit Installation Instructions  
                            Am-Safe Abbreviated Component Maintenance Manual

- i. Perform a Detailed Inspection on all materials and finishes in the Shoulder Harness, Kit for evidence of corrosion, cracks and damage.
- ii. Perform a Detailed Inspection on all items in the Shoulder Harness, Kit for evidence of excessive wear.
- iii. Perform a Detailed Inspection on all items in the Shoulder Harness, Kit for proper integrity and condition.
- iv. Perform a Detailed Inspection on all hardware and fasteners in the Shoulder Harness, Kit for proper security and torque.
- v. Perform a Detailed Inspection on the belt guide, assys for proper functionality and operation.
- vi. Perform a Detailed Inspection on all lap belt, connector half, assys IAW the Am-Safe Abbreviated Component Maintenance Manual.
- vii. Perform a Detailed Inspection on all lap belt, buckle half, assys IAW the Am-Safe Abbreviated Component Maintenance Manual.
- viii. Perform a Detailed Inspection on all inertia reel, assys IAW the Am-Safe Abbreviated Component Maintenance Manual.



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### **Repair Procedures**

1. Repairs to the item(s) referenced within this document are **not** permitted. Contact Alpine Aerotech Ltd. for further information if repairs are required to the item(s) referenced within this document.



## **Airworthiness Limitations**

The Airworthiness Limitations section is FAA approved and specifies maintenance required under Sections 43.16 and 91.403 of the Federal Aviation Regulations unless an alternative program has been FAA approved.

The Airworthiness Limitations section is approved by the Minister and specifies maintenance required by any applicable airworthiness or operating rule unless an alternative program has been approved by the Minister.

## **Supplement to applicable Maintenance Manual, Chapter 4, Airworthiness Limitations Schedule**

### Notes

1. For Bell Helicopter 212 aircraft, refer to the BHT-212-MM Maintenance Manual, Chapter 4, for general information on airworthiness limitations and airworthiness limitation schedules.
2. For Bell Helicopter 412 aircraft, refer to the BHT-412-MM Maintenance Manual, Chapter 4, for general information on airworthiness limitations and airworthiness limitation schedules.
3. For Bell Helicopter 412CF aircraft, refer to the C-12-146-000/MF-001 Maintenance Manual, Chapter 4, for general information on airworthiness limitations and airworthiness limitation schedules.
4. Item(s) **not** listed in the Scheduled Airworthiness Limitations section within this document have an unlimited airworthiness life.

### Scheduled Airworthiness Limitations

1. There are no airworthiness limitations associated with the item(s) referenced within this document.