



ADVANCED LIGHTBAND

Pack-Unpack Procedure | 3000349-

READ THIS PROCEDURE BEFORE REMOVING ALB FROM THE SHIPPING CONTAINER

spacesystems@rocketlabusa.com
rocketlabusa.com


ROCKETLAB

IMPORTANT

Do not operate the Advanced Lightband (ALB) before reading this document. Do not operate the ALB beyond the operating limits.

The ALB does not involve any high-energy liquid, solid fuels, or any material with inherently hazardous physical or chemical properties.

Note: To avoid costly test failures and program delays, all user's shall completely understand this document before attempting to operate the ALB for any purpose.
Copyright PSC & Rocket Lab USA, Inc.

US Patents: 6,227,493; 6,343,770; 6,390,416

3000349A ALB Pack-Unpack Procedure

Sales Order	
ALB Assembly Number & Revision	
ALB Serial Number	

READ THIS PROCEDURE BEFORE REMOVING ALB FROM THE SHIPPING CONTAINER

Instructions:

To pack the ALB:

Read Section 3 and proceed to Section 4.

To unpack the ALB:

Read Section 3 and proceed to Section 5.

Note: Anyone handling the ALB must personnel trained by PSC to stow and operate the ALB.

TABLE OF CONTENTS

1.	REVISION HISTORY	3
2.	GLOSSARY	3
3.	INTRODUCTION.....	4
4.	PACKING THE ALB	4
4.1	Required Equipment	4
4.2	Packing Procedure.....	5
5.	UNPACKING THE ALB.....	5
5.1	Unpack Procedure.....	5

1. Revision History

Rev	Issued	Created By	Released By	Change Description
-	28Nov22	RB	JF	Initial Revision.
A	28Feb23	RB	JF	<ul style="list-style-type: none">Added glossary section.Corrected all ALB operating procedure references to 3000355.

2. Glossary

- **ALB:** Advanced Lightband
- **CofC:** Certificate of Conformance

3. Introduction

This document describes the procedure to pack and unpack an Advanced Lightband (ALB) into and out of a shipping container, respectively. This procedure shall be followed and filled out each time the ALB is packed or unpacked.

The typical shipping container used is a custom hard case with foam insert (PSC PN: 2004010). ALBs shall only be shipped in these containers unless otherwise approved by PSC. Doing otherwise without PSC's approval will void the ALB warranty. The intent of this procedure is to demonstrate how to properly pack and unpack the ALB to prevent damage during shipping and handling.

4. Packing the ALB

The operator shall be familiar with PSC document 2003336 ALB User Manual prior to executing this procedure.

4.1 Required Equipment

Table 4-1: Required Equipment

Item	Approximate Quantity	Actual Total Qty.
Advanced Lightband (ALB)	1	
2004010 ALB Shipping Container (or equivalent; approved by PSC)	1	
Plastic resealable bag for documentation, 9 x 12 inch suggested	1	
Plastic resealable bags for Separation Connectors and Switches (if necessary)	AR	
Plastic Bag	1	

4.2 Packing Procedure

Step	Description	Date & Initials	Notes
1	Complete cover page.		
2	<p>Ensure the ALB is in the stowed state per 2003336 ALB User's Manual (available at https://www.rocketlabusa.com/space-systems/separation-systems/advanced-lightband/).</p> <p>To stow the ALB, use the ALB Operating Procedure document 3000355.</p> <p>Note: Anyone handling the ALB must be personnel trained by PSC to stow and operate the ALB.</p>		
3	Remove any Spring Locks and/or Stow Screws.		
4	Encapsulate the stowed ALB in a plastic bag and seal the bag closed.		
5	Separately bag Stow Screw, Spring Locks, and Matrix Extraction Screws (used in the assembly of Separation Connectors).		
6	Place bagged ALB inside foam cut-out in the lower half of the ALB Shipping Container. The ALB shall be above the foam insert.		
7	<p>Print this Procedure and then place it and all required documentation in a resealable bag on top of the hardware in a resealable plastic bag on top of the ALB..</p> <ul style="list-style-type: none"> • Packing List (As required) • Signed CofC (As required) 		
8	Place the lid on the Shipping Container and close all latches.		

5. Unpacking the ALB

The operator shall be familiar with PSC document 2003336 ALB User Manual and 3000355 ALB Operating Procedure prior to executing this procedure.

5.1 Unpack Procedure

Step	Description	Date & Initials	Notes
1	<p>Remove the bagged and stowed ALB from the shipping container.</p> <p>Note: Anyone handling the ALB must be personnel trained by PSC to stow and operate the ALB.</p>		
2	Verify all items in the packing list are included.		
3	Return shipping container to PSC.		

Step	Description	Date & Initials	Notes
4	<p>Determine if the ALB will be stored in the deployed or stowed state. PSC recommends storing in the deployed state.</p> <p>If storing in the deployed state, separate the ALB using the ALB Operating procedure document 3000355. (Available at https://www.rocketlabusa.com/space-systems/separation-systems/advanced-lightband/).</p>		