

## *F. Atlee Dodge Aircraft Services, LLC*

6672 Wes Way \* Anchorage, Alaska 99518

Phone: (907) 344-1755 \* Fax: (907) 344-6720

[atleedodge@acsalaska.net](mailto:atleedodge@acsalaska.net) ~ [www.fadodge.com](http://www.fadodge.com)

# INSTALLATION INSTRUCTIONS

for installation of

F. Atlee Dodge L21 Window

On the

Piper PA-18 Super Cub

Document Number: II 8049

### REVISION HISTORY

Revision	Description	Date
-	<b>FOR REFERENCE ONLY</b>	26 Feb 2018

**For updated revisions of this document it is the owner/operators responsibility to contact F. Atlee Dodge Aircraft Services, LLC. through our website or directly at the numbers given above.**

## 1 Introduction

This Installation Instruction (II) is intended to augment the information contained in the original aircraft maintenance manual or structural repair manual. Refer to AC 43.13-1B/2B for acceptable methods, techniques, and practices for inspection, repair, and alteration when there are no manufacturer repair or maintenance instructions.

### 1.1 Model Applicability

This document is applicable to the Makes and Models outlined in FAA Approved Model List for this STC.

### 1.2 Parts List

Table 1 and Figure 1 show the frame parts needed for this installation. Table 2 identifies transparency parts necessary to complete this installation but not provided with this kit.

Table 1  
Frame Parts List (supplied)

Part Description	Part No.	Qty	Comments
Lower Window Channel	JK90011-001	2	Installer to cut to proper fit during installation
Window Channel	JK90011-003	4	Installer to cut to proper fit during installation
Upper Side Window Channel	JK90011-006	2	Installer to cut to proper fit during installation
Piper U-channel	250-285	1	Installer to cut to proper fit during installation

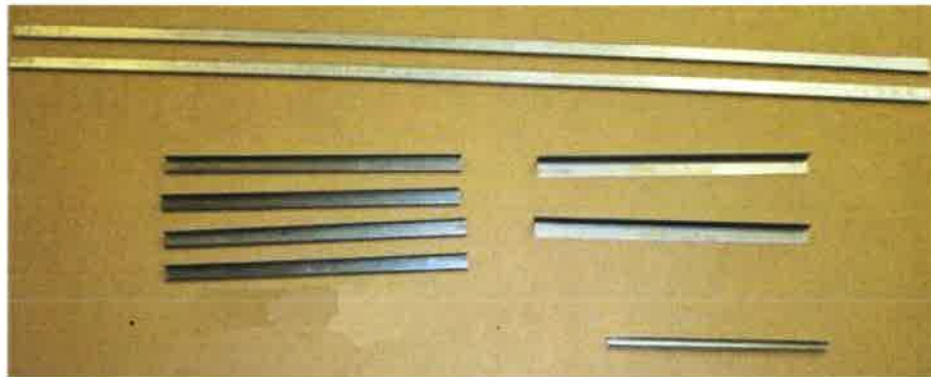


Figure 1  
Illustrated Parts for Frame

Table 2  
Transparency Parts List (installer to procure or fabricate)

Part Description	Part No.	Qty	Comments
Top Transparency	--	1	Not included.
Side Transparency	--	2	Not included.

**Toll Free 877-33-ATLEE (877-332-8533)**

**E Mail [atleedodge@acsalaska.net](mailto:atleedodge@acsalaska.net)**

**[www.fadodge.com](http://www.fadodge.com)**

## 2 Modification Description

These instructions detail the installation of L21 observation window framing in place of the standard D-shaped window framing at the rear seat location in PA-18 aircraft to increase the visibility from the rear seat. No primary structural modifications are required; after removal of the existing D-shaped window and frame, mild steel is welded onto existing structure to secure the L21 observation window in place. The L21 window transparency is not part of this kit – only the frame. The owner/operator will procure or cut out and install the appropriate window transparency per the guidance provided in these installation instructions. Figure 1 shows a comparison of the stock D-shaped window configuration to the L21 window configuration.

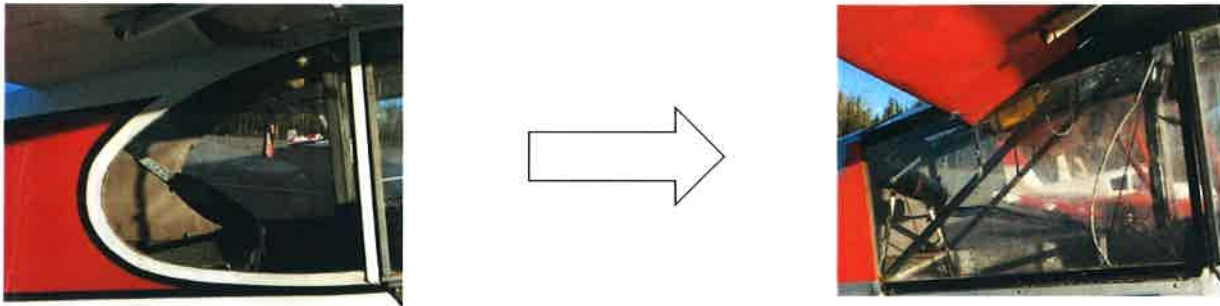


Figure 1

Standard Window compared to representative L21 Window installed on a PA18

## 3 Installation

Prior to installation of the FAD L21 Window kit, it is assumed that the aircraft is in an airworthy configuration to accept the L21 Window Frame kit and that the L21 Window Frame kit is in an airworthy condition.

### INSTALLATION INSTRUCTIONS

**Note: These installation instructions are provided in 4 parts:**

**PART A - Existing D-Shaped Window removal**

**PART B - L21 WINDOW FRAME KIT installation**

**PART C - L21 WINDOW TRANSPARENCY fabrication and installation**

**PART D - Finishing Steps**

**Toll Free 877-33-ATLEE (877-332-8533)**

**E Mail [atleedodge@acsalaska.net](mailto:atleedodge@acsalaska.net)**

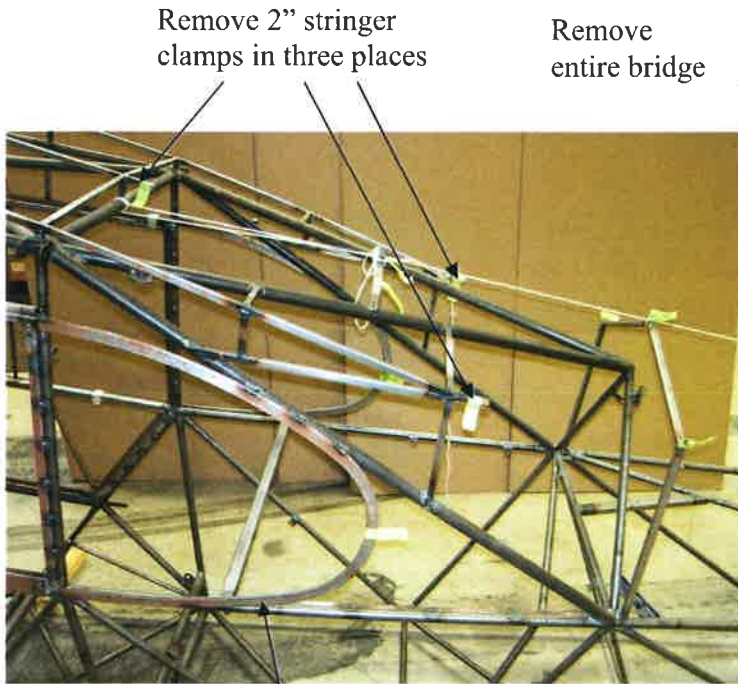
**[www.fadodge.com](http://www.fadodge.com)**

**PART A – Existing D-Shaped Window Removal:**

1. Remove existing D-shaped window framing per Detail A. Note the items to be removed are tagged in the diagrams. Clean as needed.

**DETAIL A**

Side View



Top View

