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# INSTRUCTIONS FOR CONTINUED AIRWORTHINESS

Oversize Control Surfaces  
Piper PA-12, PA-14, PA-18 and PA-19 Aircraft

**RETAIN THIS DOCUMENT WITH THE AIRCRAFT RECORDS**

**Document Number: ICA-8038**

### REVISION HISTORY

Revision	Description	Date
IR	Initial Release (IR)	23 Apr 2013

**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.**

**This document meets the requirements of 14 CFR 23.1529 (Appendix G).  
Additionally it is found acceptable to the FAA AEG in accordance with the guidelines outlined in FAA Order 8110.54.**

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	<b>Date:</b>	<b>April 23 2013</b>
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## 1 Model Applicability

The data presented in this Instruction for Continued Airworthiness (ICA) is intended to augment the information contained in the original aircraft maintenance manual or structural repair manual. Additional information on acceptable methods, techniques, and practices for inspection, repair, and alteration can be obtained from a current version of FAA Advisory Circular (AC) 43.13-1B/2B.

<b>Make/Model</b>	<b>TCDS</b>	<b>Certification Basis (per TCDS)</b>	<b>Comments</b>
Piper PA-12 Series	A-780	CAR 3	None
Piper PA-14 Series	A-797	CAR 3	None
Piper PA-18, PA-19 Series	1A2	CAR 3	None

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## 2 Modification Description

This modification consists of replacing the existing aircraft rudder and/or elevators with oversized rudder and/or elevators, as shown in section 2.1.

### 2.1 Illustrated Parts

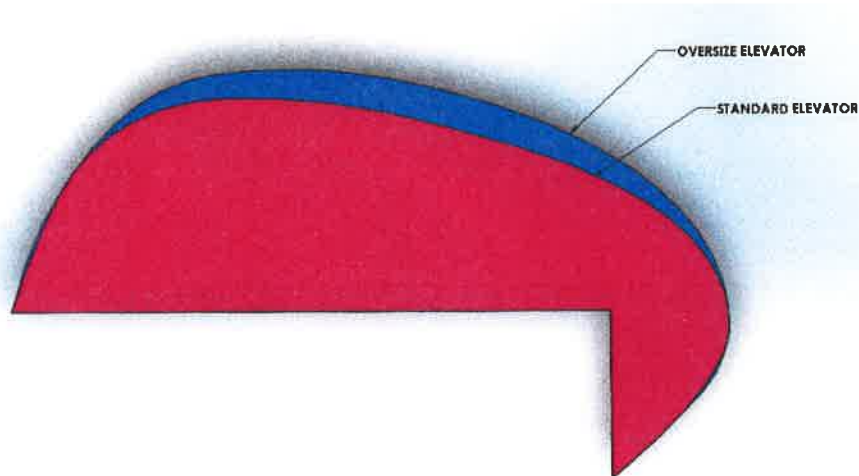


Figure 1  
Comparison of Existing Elevator to Oversized Elevator

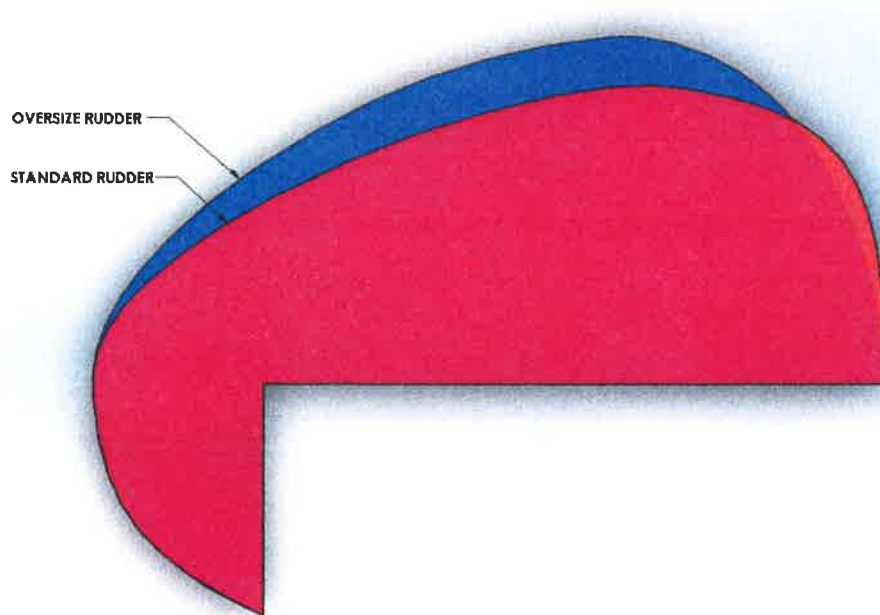


Figure 2  
Comparison of Existing Rudder to Oversized Rudder

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### 3 Installation

Prior to installation of the oversized rudder and/or elevators, it is assumed that the existing rudder and/or elevators have been removed, that the tail is in an airworthy configuration to accept the oversize rudder and/or elevators, and that the oversized rudder and/or elevators are in an airworthy condition.

#### INSTALLATION INSTRUCTIONS:

1. For installation procedures of the rudder and/or elevators, refer to T.O. 1L-21A-2.
2. For correct hardware, refer to the Piper PA-18 Parts Catalog, Section IV, Tail Group.
3. For rigging and control cable adjustments, refer to the applicable reference document:
  - a. For PA-12 – Service Memo No. 8, Model PA-12 Rigging Procedure, Tail Assembly
  - b. For PA-14 – Service Memo No. 9, Model PA-14 Rigging Procedure, Tail Assembly
  - c. For PA-18/PA-19 – Piper Operators Handbook, Section VI, General Maintenance

### 4 Maintenance Instructions

If repairs are required to the oversize controls, contact F. Atlee Dodge Aircraft Services, LLC by telephone at 907-344-1755.

#### 4.1 Inspection Requirement

The oversize controls should be inspected, for wear, damage or deformation on a 100HR/annual or progressive basis in accordance with the applicable maintenance manual and replace hardware as required.

### 5 Airworthiness Limitations

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

No additional airworthiness limitations have been imposed by this modification.

This modification does not affect the airworthiness section of the FAA Approved Maintenance Manual.

**END**

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# INSTALLATION INSTRUCTIONS

## Oversize Control Surfaces

Piper PA-12, PA-14, PA-18 and PA-19 Aircraft

Document Number: II-8038

### REVISION HISTORY

Revision	Description	Date
-	Original Issue	23 Apr 2013

**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

### 1.1 Model Applicability

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.

This document is applicable to the following Make and Model aircraft once the STC is installed.

Make/Model	TCDS	Certification Basis (per TCDS)	Comments
Piper PA-12 Series	A-780	CAR 3	None
Piper PA-14 Series	A-797	CAR 3	None
Piper PA-18, PA-19 Series	1A2	CAR 3	None

## 2 Modification Description

This modification consists of replacing the existing aircraft rudder and/or elevators with oversized rudder and/or elevators.

## 3 Installation

Prior to installation of the oversized rudder and/or elevators, it is assumed that the existing rudder and/or elevators have been removed, that the tail is in an airworthy configuration to accept the oversize rudder and/or elevator, and that the oversized rudder and/or elevators are in an airworthy condition.

### INSTALLATION INSTRUCTIONS:

1. For installation procedures of the rudder and/or elevators, refer to T.O. 1L-21A-2.
2. For correct hardware, refer to the Piper PA-18 Parts Catalog, Section IV, Tail Group.
3. For rigging and control cable adjustments, refer to the applicable reference document:
  - a. For PA-12 – Service Memo No. 8, Model PA-12 Rigging Procedure, Tail Assembly
  - b. For PA-14 – Service Memo No. 9, Model PA-14 Rigging Procedure, Tail Assembly
  - c. For PA-18/PA-19 – Piper Operators Handbook, Section VI, General Maintenance

## 4 Weight & Balance

Weight and Balance difference is negligible.