

---

AIRCRAFT MAINTENANCE MANUAL

# TEMPORARY REVISION 13-01

**FILING INSTRUCTIONS:** Print this Temporary Revision on double sided 8.5 X 11 inch yellow paper. Insert each page of this temporary revision in front the corresponding AMM pages.

Keep this Temporary Revision until normal revision service incorporates the information into the DA42 L360 Aircraft Maintenance Manual.

**DESCRIPTION:** This Temporary Revision adds a information to refer to the DA 42 NG AMM for aircraft with serial numbers 42.NCXXX

**Intentionally Left Blank**

# AIRCRAFT MAINTENANCE MANUAL

---



## DA42 L360



### D42L-AMM-001

This AMM is a supplement and needs to be used in conjunction with the current DA42 TDI AMM. Complete maintenance instructions for the chapters not affected by TCCA STC No. SA09-54 (FAA STC No. SA02725NY) are available in Diamond Aircraft DA42 AMM, Document Number 7.02.01 for aircraft with serial numbers 42.XXX abd 42.ACXXX. For aircraft with serial numbers 42.NCXXX complete maintenance instrcutions can be found in Diamond Aircraft DA42 NG AMM, Document Number 7.02.15.

NOTE:

DIAMOND AIRCRAFT INDUSTRIES INC.  
1560 CRUMLIN SIDEROAD, LONDON, ONTARIO  
CANADA N5V 1S2

All rights reserved. No part of this manual may be reproduced or copied  
in any form or by any means without written permission  
of DIAMOND AIRCRAFT INDUSTRIES INC.

Copyright © 2013 by Diamond Aircraft Industries, London, ON, Canada

DIAMOND AIRCRAFT INDUSTRIES INC.  
1560 CRUMLIN SIDEROAD  
London, Ontario, Canada N5V 1S2

<http://www.diamondair.com/>

For more information contact:

DIAMOND AIRCRAFT INDUSTRIES INC.  
Technical Publications  
+1-519-457-4030 Ext.3173  
[techpubs@diamondair.com](mailto:techpubs@diamondair.com)

---

## INTRODUCTION

### 1. General

This Aircraft Maintenance Manual (AMM) contains the chapters necessary to carry out the maintenance that is relative and unique to the DA42 L360 aircraft with the Lycoming IO-360 M1A, left hand (LH) side engine and Lycoming LIO-360 M1A, right hand (RH) side engine installed by Supplemental Type Certificate (STC) No. SA09-54. It contains a full description of the systems, troubleshooting procedures, component removal and installation procedures and maintenance instructions related to the installation of STC No. SA09-54. It does not contain maintenance data for components removed from the aircraft. (Maintenance Shop data).

Complete maintenance instructions for the chapters not affected by this STC No. SA09-54 are available in Diamond Aircraft DA42 AMM, Document Number 7.02.01 for aircraft with serial numbers 42.XXX and 42.ACXXX. For aircraft with serial numbers 42.NCXXX complete maintenance instructions can be found in Diamond Aircraft DA42 NG AMM, Document Number 7.02.15.

References made to the DA42 AMM within this document are made by referencing the document number 7.02.01 followed by the Chapter number. For example: Refer to AMM # 7.02.01 Chapter XX-XX. In the case of aircraft with serial numbers 42.XXX and 42.ACXXX refer to AMM # 7.02.01. For aircraft with serial numbers 42.NCXXX refer to AMM # 7.02.15

The AMM contains the wiring diagrams for the electrical system.

Use these manuals with the AMM and any related service bulletins:

- The DA42 L360 Illustrated Parts Catalog
- The DA42 L360 Airplane Flight Manual
- The ELT Manufacturer's Operator's Manual
- The MT Propeller Owner's Manual
- The Lycoming Engine Operator's Manual.

### 2. Revision Service

The manufacturer provides a revision service for the AMM. The revision shows design changes to the aircraft or changes in procedures. Each page of the manual shows the date of issue. If the page has changed, it shows the date of the revision.

### 3. Warning, Cautions and Notes

Obey all the usual safety precautions and maintenance instructions when doing maintenance.

This AMM also contains warnings, cautions and notes before applicable instructions:

**WARNING:** A WARNING TELLS THE PERSON DOING THE MAINTENANCE THAT INJURY OR DEATH IS POSSIBLE IF THEY DO NOT FOLLOW THE INSTRUCTIONS.

**CAUTION:** A CAUTION TELLS THE PERSON DOING THE MAINTENANCE THAT DAMAGE TO EQUIPMENT IS POSSIBLE IF THEY DO NOT FOLLOW THE INSTRUCTIONS.

NOTE: A Note tells the person doing the maintenance how to make the task easier.

#### 4. Manual Configuration

This manual is written in accordance with the regulations of the Air Transport Association of America (ATA) Specification, *iSpec2200*. Each system is given a chapter number from the ATA *iSpec2200*. Where applicable, a chapter contains sections for each sub-system.

The European Association of Aerospace Industries specification, AECMA Simplified English has been used to write this AMM. This is a mandatory requirement of the ATA *iSpec2200*.

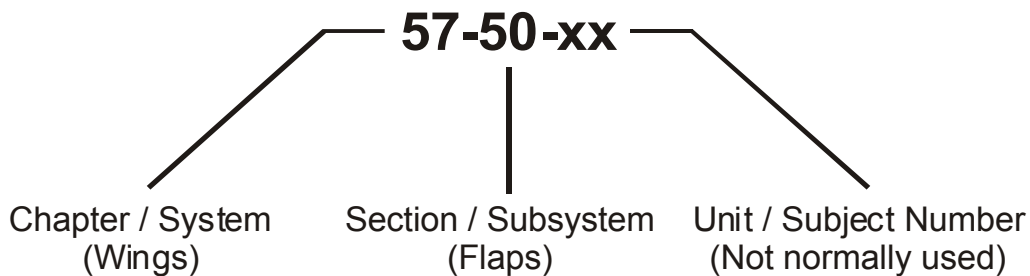
There are only 3 sources of words available to use in Simplified English (SE).

- Approved words from the SE Guide. These words have defined meanings and selected parts of speech.
- Technical names as defined in the SE Guide. Used only as adjectives or nouns.
- Manufacturing processes as defined in the SE Guide. Always used as verbs.

This manual does not use the ATA *iSpec2200* Aircraft Maintenance Task Oriented Support System (ATMOSS) or the ATA *iSpec2200* Production Management Data Base (PMDB).

#### A. The ATA *iSpec2200* Numbering System

The ATA *iSpec2200* numbering system uses 3 pairs of numbers, for example:



The first pair of numbers shows the system. System 57 is the wings. Chapter 57 contains the data for the wings.

The second pair of numbers shows the sub-system. Sub-system 50 is the Trailing Edge Flaps. Chapter 57, section 50 contains the data for the trailing edge flaps installation.

The third pair of numbers shows a unit. A unit could be the flap itself. Only complex systems use unit numbers.

For simple systems, the main chapter has all of the data and there are no section/sub-system break-downs.