



**COMPONENT MAINTENANCE
MANUAL
WITH
ILLUSTRATED PARTS LIST**

**OVERWING EXIT COUNTERBALANCE
MECHANISM ASSEMBLY**

**PART NUMBER
144A6631-3**

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PUBLISHED BY BOEING COMMERCIAL AIRPLANES GROUP, SEATTLE, WASHINGTON, USA
A DIVISION OF THE BOEING COMPANY
PAGE DATE: Nov 01/2014

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COMPONENT MAINTENANCE MANUAL

Revision No. 17
Nov 01/2014

To: All holders of OVERWING EXIT COUNTERBALANCE MECHANISM ASSEMBLY 52-26-09.

Attached is the current revision to this COMPONENT MAINTENANCE MANUAL

The COMPONENT MAINTENANCE MANUAL is furnished either as a printed manual, on microfilm, or digital products, or any combination of the three. This revision replaces all previous microfilm cartridges or digital products. All microfilm and digital products are reissued with all obsolete data deleted and all updated pages added.

For printed manuals, changes are indicated on the List of Effective Pages (LEP). The pages which are revised will be identified on the LEP by an R (Revised), A (Added), O (Overflow, i.e. changes to the document structure and/or page layout), or D (Deleted). Each page in the LEP is identified by Chapter-Section-Subject number, page number and page date.

Pages replaced or made obsolete by this revision should be removed and destroyed.

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TRANSMITTAL LETTER
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COMPONENT MAINTENANCE MANUAL

Location of Change

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ILLUSTRATED PARTS LIST

Description of Change

Revised the definition of the the term OPT.

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HIGHLIGHTS

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A = Added, R = Revised, D = Deleted, O = Overflow

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COMPONENT MAINTENANCE MANUAL**TEMPORARY REVISION AND SERVICE BULLETIN RECORD**

BOEING SERVICE BULLETIN	BOEING TEMPORARY REVISION	OTHER DIRECTIVE	DATE OF INCORPORATION INTO MANUAL
		PRR 38130	MAR 01/98

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TR AND SB RECORD

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Jul 01/2012

COMPONENT MAINTENANCE MANUAL

All revisions to this manual will be accompanied by transmittal sheet bearing the revision number. Enter the revision number in numerical order, together with the revision date, the date filed and the initials of the person filing.

Revision		Filed		Revision		Filed	
Number	Date	Date	Initials	Number	Date	Date	Initials

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Revision		Filed		Revision		Filed	
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COMPONENT MAINTENANCE MANUAL

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Temporary Revision		Inserted		Removed		Temporary Revision		Inserted		Removed	
Number	Date	Date	Initials	Date	Initials	Date	Initials	Number	Date	Date	Initials

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COMPONENT MAINTENANCE MANUAL

INTRODUCTION

1. General

- A. The instructions in this manual supply the data necessary to do the maintenance functions together with the test, fault isolation, repair, and replacement of the defective parts.
- B. This manual is divided into different parts:
 - (1) Title Page
 - (2) Transmittal Letter
 - (3) Highlights
 - (4) List of Effective Pages
 - (5) Table of Contents
 - (6) Temporary Revision & Service Bulletin Record
 - (7) Record of Revisions
 - (8) Record of Temporary Revisions
 - (9) Introduction
 - (10) Procedures & IPL Sections
- C. Components that can be repaired have a different repair number for each specified repair. To find the repair number location of a component, look in the Repair-General procedure at the beginning of the REPAIR section. The Repair-General procedure also has an explanation of the True Position Dimension symbols used.
- D. All dimensions, measures, quantities and weights included are in English units. When metric equivalents are given they will be in the parentheses that follow the English units.
- E. The introduction to the Illustrated Parts List (IPL) shows how the IPL data is used.
- F. Design changes, optional parts, configuration differences and Service Bulletin modifications may cause different part numbers. These part numbers are identified in the IPL with an alphabetical letter which is added to the end of the basic item number. This new item number is referred to as an alpha-variant. Throughout the manual, IPL basic item number references also apply to alpha-variants unless shown differently.
- G. The tool reference numbers found in the individual procedures and in the Special Tools, Fixtures, and Equipment section are used to identify if a tool is a standard tool (STD-XXXX), a commercial tool (COM-XXXX), or a Special Tool (SPL-XXXX). This reference number is also used to distinguish between tools with similar names in the same procedure. These reference numbers are for use in the documentation only. They are not to be used for ordering tools.

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INTRODUCTION

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COMPONENT MAINTENANCE MANUAL

AUTOMATIC OVERWING EXIT COUNTERBALANCE MECHANISM ASSEMBLY - DESCRIPTION AND OPERATION

1. Description

- A. The automatic-overwing-exit counterbalance mechanism assembly is made of an actuation spring and a plunger assembly contained in a canister and a guide fitting assembly. A rod end bearing assembly is attached to the plunger assembly to permit installation of the unit on the airplane.

2. Operation

- A. The counterbalance mechanism assembly attaches to airplane structure through the bearing on the guide fitting cap. The assembly attaches to the overwing exit door through the rod end bearing.
- B. Two counterbalance mechanism assemblies and a snubber assembly are installed at each overwing exit door.

NOTE: Refer to CMM 52-26-10 for data on the snubber assembly.

- C. The counterbalance mechanism assemblies give the force necessary to lift the overwing exit door to the open position.

3. Leading Particulars (Approximate)

- A. Length – 19.7 inches between bearing centers (extended position) 16.0 inches between bearing centers (compressed position)
- B. Diameter – 2.60 inches (maximum)
- C. Stroke – 3.65 inches
- D. Weight – 7 pounds

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DESCRIPTION AND OPERATION

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以上内容仅为本文档的试下载部分，为可阅读页数的一半内容。如要下载或阅读全文，请访问：<https://d.book118.com/245141230224011301>