



# Application Note

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**MIL Mi-8/14/17/19/171/172/24/25/35 and variants**

**Tail Rotor Weight Kit Installation**

**Part Number: 11-200-0108**

**AppNote Number: A-MIMI8-WTKIT-TR (Rev. 1.00, Jan 2011)**

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This Application Note is provided for information only and does not supersede the requirements or guidelines set forth in the applicable engine or airframe maintenance manual. Technology for Energy Corporation assumes no obligation or liability, either expressed or implied, to the Purchaser arising out of the use of this procedure.

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# Application Note

Application Note Number	A-MIMI8-WTKIT-TR
Revision	1.00
Function	Tail Rotor Weight Kit Installation
Airframe	MIL Mi-8/14/17/19/171/172/24/25/35 and variants
Engine	N/A
E-Setup Number	N/A
ACES Systems Analyzer	N/A
Boot/App Version	N/A
Procedure	N/A

## Introduction

This Application Note covers the installation procedures for installing the Tail Rotor Weight Kit, ACES P/N Z22-430-0119, on the MIL Mi-8/14/17/19/171/172/24/25/35 and variants. All procedures for balance and all adjustments should be made in accordance with the Airframe Maintenance Manual.

### WARNING

**ACES Systems does not represent these parts as being approved for any specific aircraft installation. The contents of this kit are to be installed at the discretion of the aircraft owner/operator. Any airworthiness approval requirement will have to be met by the end user.**

## A. Required Equipment

The Z22-430-0119 Tail Rotor Weight Kit consists of the following components\*:

Item	Quantity	Description	Part Number
1.	3	MI-8/17/24 Balance Weight Mount	22-430-0119
2.	12	Stainless Steel Shim Set for MI8/17/24	30-280-0015
3.	6	M6 Flex-Top Locknut Stainless Steel	30-380-0011
4.	6	MI-8/17/24 Balance Weight, 52 Grams	22-900-0174
5.	6	MI-8/17/24 Balance Weight, 14 Grams	22-900-0173
6.	6	MI-8/17/24 Balance Weight, 5 Grams	22-900-0172

\*This listing shows the latest design parts. It is acceptable to perform this task using previous designs with the appropriate accessories. For compatibility issues, contact ACES Systems.

## B. Equipment Installation

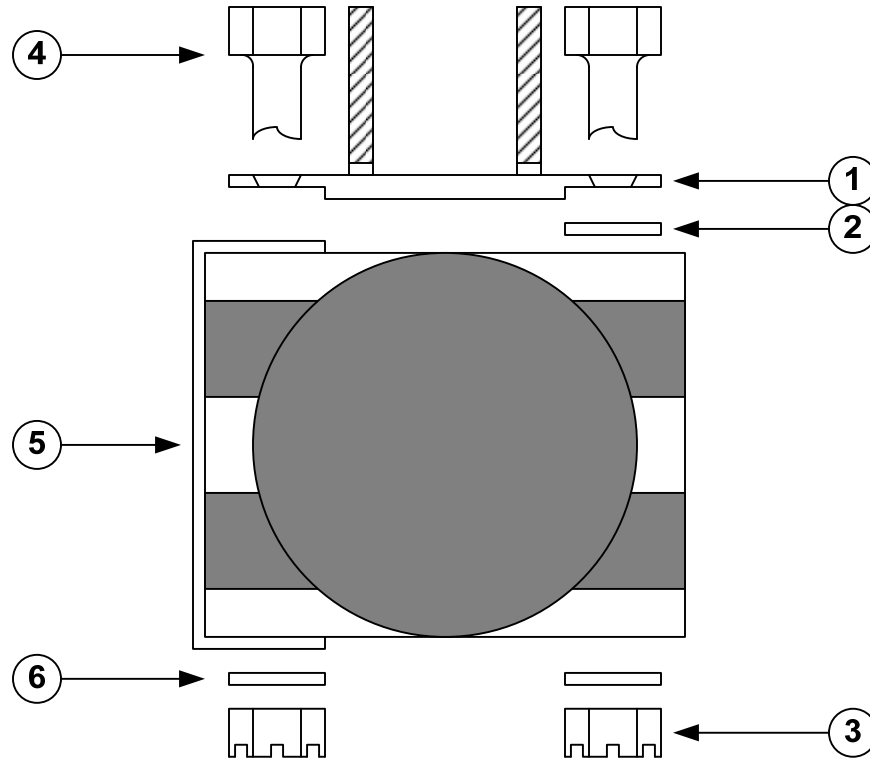
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1. For aircraft equipped WITH Anti-ice Brackets refer to [Figure 1](#) for Item Numbers:
  - 1.1 Remove the two Blade Retention Bolts (Item 4) securing the tail rotor blade to the spindle.
  - 1.2 Discard the beveled washers under the head of the bolt and install the Balance Weight Mount ([Item 1](#)) so that the ¼-28 studs on the mount are facing away from the tail rotor.
  - 1.3 Using shims ([Item 2](#)), fill the gap between the Balance Weight Mount and the tail rotor spindle on the side of the spindle that doesn't have the anti-ice bracket (Item 5).
  - 1.4 Reinstall the Blade Retention Bolts (Item 4), Washers (Item 6), and Nuts (Item 3). Torque and secure with cotter pins.
  - 1.5 Fit the Balance Weight Mounts to the two remaining blades in the same manner.
2. For aircraft WITHOUT Anti-ice Brackets refer to [Figure 1](#) for Item Numbers:
  - 2.1 Remove the two Blade Retention Bolts (Item 4) securing the tail rotor blade to the spindle.
  - 2.2 Discard the beveled washers under the head of the bolt and install the Balance Weight Mount ([Item 1](#)) so that the ¼-28 studs on the mount are facing away from the tail rotor.
  - 2.3 On the tail rotor side of the Balance Weight Mount, install shims ([Item 2](#)) under the steps in the mount to take the place of the anti-ice bracket (Item 5).
  - 2.4 Reinstall the Blade Retention Bolts (Item 4), Washers (Item 6), and Nuts (Item 3). Torque and secure with cotter pins.
  - 2.5 Fit the Balance Weight Mounts to the two remaining blades in the same manner.

## Equipment Installation Diagram

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Figure 1



- 1 Balance Weight Mount
- 2 Shims
- 3 Blade Retention Nut
- 4 Blade Retention Bolt
- 5 Anti-ice Bracket
- 6 Flat Washer