

## Dayco 85056

# Dayco 85056 Timing Belt Actuator User Manual

Model: 85056

## 1. INTRODUCTION

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This manual provides comprehensive instructions for the proper installation, operation, and maintenance of the Dayco 85056 Timing Belt Actuator. Please read this manual thoroughly before attempting any installation or service to ensure safe and effective use of the product. Retain this manual for future reference.

The Dayco 85056 Timing Belt Actuator is designed for specific automotive applications to maintain proper tension on the timing belt, which is crucial for the synchronized operation of engine components.

## 2. SAFETY INFORMATION

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**WARNING: Improper installation or handling of automotive components can lead to serious injury or damage to the vehicle. Always follow manufacturer's guidelines and use appropriate safety equipment.**

- Always wear appropriate personal protective equipment (PPE) such as safety glasses and gloves.
- Ensure the vehicle is properly supported and secured before beginning any work.
- Disconnect the vehicle's battery before working on electrical components or when instructed by the vehicle service manual.
- Refer to the vehicle's specific service manual for detailed instructions and torque specifications related to timing belt system components.
- Keep children and unauthorized personnel away from the work area.
- Dispose of old parts and fluids responsibly according to local regulations.

## 3. PACKAGE CONTENTS

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Verify that all components are present and undamaged upon opening the package. If any items are

missing or damaged, contact your supplier immediately.

- 1 x Dayco 85056 Timing Belt Actuator
- (Additional components may vary by kit; refer to your specific kit packaging)



Image 1: The Dayco 85056 Timing Belt Actuator. This image shows the main component of the timing belt system, designed to maintain proper belt tension.

## 4. INSTALLATION

The installation of a timing belt actuator is a complex procedure that requires specialized tools and automotive knowledge. It is highly recommended that installation be performed by a certified automotive technician.

### 4.1 Pre-Installation Steps

1. Ensure the engine is cool and the vehicle's battery is disconnected.
2. Refer to the vehicle manufacturer's service manual for specific procedures for timing belt removal and installation.
3. Identify and mark the timing marks on the crankshaft and camshafts before removing the old timing belt.

- Carefully remove the old timing belt and tensioner/actuator assembly.

## 4.2 Actuator Installation

- Position the new Dayco 85056 Timing Belt Actuator in its designated location.
- Secure the actuator using the appropriate fasteners. Do not fully tighten at this stage.
- Install the new timing belt, ensuring all timing marks are correctly aligned.
- Follow the vehicle manufacturer's instructions for setting the timing belt tension using the actuator. This typically involves releasing a pin or applying a specific torque to rotate the actuator until the correct tension is achieved.
- Tighten all fasteners to the vehicle manufacturer's specified torque values.
- Rotate the engine manually two full revolutions (clockwise, unless specified otherwise by the vehicle manual) to confirm timing mark alignment and proper belt tension.
- Reassemble all removed components in reverse order.
- Reconnect the battery.

## 5. OPERATION

The Dayco 85056 Timing Belt Actuator operates automatically to maintain optimal tension on the timing belt once installed correctly. It does not require manual adjustment after initial setup. Upon engine startup, the actuator will dynamically adjust to compensate for belt stretch and temperature changes, ensuring precise valve timing and efficient engine operation.

## 6. MAINTENANCE

The Dayco 85056 Timing Belt Actuator is designed for long-term reliability and typically does not require routine maintenance. However, it is recommended to inspect the timing belt system, including the actuator, at intervals specified by the vehicle manufacturer.

- Visual Inspection:** During routine vehicle service, visually inspect the actuator for signs of leakage, excessive wear, or damage.
- Belt Tension Check:** Ensure the timing belt maintains proper tension. A loose or overly tight belt can indicate an issue with the actuator or other timing components.
- Replacement:** The timing belt actuator should generally be replaced whenever the timing belt is replaced, as recommended by vehicle manufacturers, to ensure the integrity of the entire timing system.

## 7. TROUBLESHOOTING

If you experience issues related to the timing belt system after installing the Dayco 85056 Timing Belt Actuator, consider the following:

Symptom	Possible Cause	Solution
Engine noise (e.g., squealing, rattling)	Incorrect belt tension, worn belt, faulty actuator.	Inspect belt tension and condition. Verify actuator function. Consult a professional technician.

Symptom	Possible Cause	Solution
Engine misfires or poor performance	Incorrect timing due to actuator malfunction or improper installation.	Check timing marks and belt tension. Re-evaluate installation steps. Seek professional diagnosis.
Actuator leakage	Damaged seal or faulty unit.	Replace the actuator.

For complex issues, it is always recommended to consult a qualified automotive technician.

## 8. SPECIFICATIONS

Feature	Detail
Model Number	85056
Brand	Dayco
Item Weight	1.2 lb (approx. 16 ounces)
Product Dimensions	10.33" L x 6.51" W x 2.1" H (Package) / 6.2" x 3.9" x 3.1" (Item)
Belt Style	Timing Belt
Compatible Devices	Car (specific models vary by application)
Manufacturer Part Number	85056

## 9. WARRANTY AND SUPPORT

Dayco products are manufactured to high-quality standards. For specific warranty information, please refer to the warranty documentation included with your purchase or visit the official Dayco website.

Warranty terms and conditions may vary.

For technical support, installation assistance, or to report a defective product, please contact Dayco customer service through their official channels. Have your product model number (85056) and purchase details ready when contacting support.

**Dayco Official Website:** [www.dayco.com](http://www.dayco.com)