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› AECOJOY 13'x8' Retractable Patio Awning Instruction Manual

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Model: 13'x8' Patio Awning

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1. INTRODUCTION

Thank you for choosing the AECOJOY 13'x8' Retractable Patio Awning. This manual provides essential information for the safe assembly, installation, operation, and maintenance of your awning. Please read these instructions thoroughly before beginning installation or use to ensure proper function and longevity of your product.



Image: The AECOJOY 13'x8' Retractable Patio Awning extended over a patio area, providing shade.

2. IMPORTANT SAFETY INFORMATION

WARNING: Failure to follow these safety instructions may result in injury or product damage.

- Always ensure the awning is properly anchored and secured.
- Do not use the awning in winds exceeding 30 mph. Retract the awning during strong winds, heavy rain, or snow to prevent damage.
- Keep hands and fingers away from the manual crank handle and moving parts during operation to avoid pinching or injury.
- Consult professional help for installation if you are unsure about any steps or if your mounting surface requires specialized techniques.
- Ensure all bolts and fasteners are securely tightened before and after each use. Periodically check for loose connections.
- Do not hang objects from the awning frame or fabric.
- Keep children and pets away from the awning during operation.

3. PACKAGE CONTENTS

Before beginning assembly, verify that all parts listed below are present and undamaged. If any parts are missing or damaged, do not proceed with assembly and contact customer support.

The package typically includes:

- Roller Tubes (A-1, A-2, A-3)
- Torsion Bars (B-1, B-2, B-3)
- Front Bars (C-1, C-2, C-3)
- Left and Right Arms (L-1, L-2)
- Awning Fabric (M)
- Fabric Support Rods (N)
- Valance (O)
- Wall Brackets (D, D-3)
- Roller Support Components (Q, P, N-1, N-2)
- Crank Handle (T)
- Various Screws, Bolts, and Washers (F, A-A-1, U, V)

Refer to the assembly video for a visual representation of all components.

4. AWNING ASSEMBLY

This section details the step-by-step assembly of the awning components. It is recommended to have two adults for this process.

4.1. Watch the Assembly Video

For a comprehensive visual guide, please watch the official assembly instruction video below:

Your browser does not support the video tag.

Video: AECOJOY 13'x8' Patio Retractable Awning Assembly Instruction. This video provides a visual walkthrough of the entire assembly and installation process.

4.2. Connecting Roller Tubes (Video: 0:21 - 0:38)

Connect the roller tube sections (A-1, A-2, A-3) using the provided connectors and secure them with screws (A-A-1). Ensure all connections are firm.

4.3. Connecting Front Bars (Video: 0:40 - 0:57)

Assemble the front bar sections (C-1, C-2, C-3) by sliding them together and securing with the square nuts (U) and screws (A-A-1).

4.4. Connecting Torsion Bars and Arms (Video: 0:59 - 1:28)

Connect the torsion bars (B-1, B-2, B-3) with the left arm (L-1) and right arm (L-2). **Important:** Do not remove the safety wrap that holds the arms down until instructed. Ensure correct armrest direction to prevent damage.

- Insert the torsion bar (B-1) into the left arm (L-1) with a distance of approximately 15.74 inches (40 cm).
- Insert the torsion bar (B-3) into the right arm (L-2) with a distance of approximately 14.17 inches (36 cm).

Ensure the pole (V) is positioned approximately 7 inches from the armrest side on both sides.

4.5. Fabric Assembly (Video: 1:29 - 2:00)

Two adults are required for this step. The fabric (M) has a front and a back side; the back side has a hem and should face downwards. Carefully slide the fabric support rods (N) into the designated channels of the fabric and then into the roller and front bars.

4.6. Roller Support Assembly (Video: 2:01 - 2:28)

Attach the roller support components (Q, P, N-1, N-2) to the front bar and roller tube. Ensure the plastic washer (F) is installed. Do not fully tighten the screw nuts, leaving about 0.5 inches space in between, as shown in the video.

Technological Improvement

Make it more stable and provide long service life



The image shows two views of roller support components. The top view shows a white plastic component with a red checkmark, indicating it is durable. The bottom view shows a similar component with a blue highlight on the roller tube and a red 'X' mark, indicating it is made of cheap rubber and is unsafe.

Durable

- **Enhanced PE Material**
Make it more stable and provide long service life
- ⊘ **Cheap Rubber**
Easily fall off when heated, unsafe

Sturdy

Reinforced Thread Design

It can support the largest size sunshade on the market.

No Thread

Cannot bear weight when awning retracts



The image shows two views of roller support components. The top view shows a metal component with a reinforced thread design and a red checkmark, indicating it is sturdy. The bottom view shows a similar component with a no thread design and a red 'X' mark, indicating it cannot bear weight when the awning retracts.

Image: Detail of the awning's durable components, highlighting enhanced PE material and reinforced thread design for stability.

5. WALL MOUNTING

This section covers mounting the assembled awning to a wall. Refer to the assembly video (starting around 2:29) for visual instructions.

5.1. Determine Mounting Location

The recommended installation height is between 8 and 13 feet. Use a level to draw a horizontal line where the top of the wall brackets will be placed.



Can be used for multi-purpose, indoor or outdoor

Home or Business

Ideal for Installation above Windows or Doors

Windows or Doors



Image: The awning providing shade over a window, illustrating its versatility for various installations.

5.2. Drill Holes and Install Brackets (Video: 2:33 - 3:10)

- Using a 0.55-inch (14mm) masonry drill bit, drill the first bolt hole approximately 4 inches deep.
- For reinforced concrete or brick, use the provided expansion bolts. For wooden walls, use the spare screws for wood.
- Install the wall brackets (D, D-3) securely using the appropriate fasteners. Ensure they are level and spaced correctly to support the awning.

5.3. Mount the Awning (Video: 3:11 - 3:26)

Carefully lift the assembled awning and attach it to the installed wall brackets. Secure it with the hex screws. Ensure all connections are tight and the awning is stable.

6. OPERATING YOUR AWNING

Your AECOJOY awning features a manual crank handle for easy extension and retraction.

6.1. Extending the Awning

Insert the crank handle (T) into the designated loop on the awning. Turn the handle clockwise to extend the

awning to your desired length. Do not over-extend the awning beyond its maximum reach.

6.2. Retracting the Awning

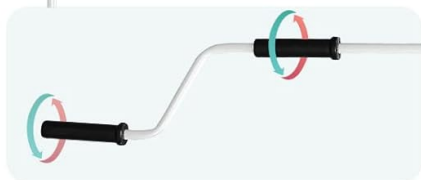
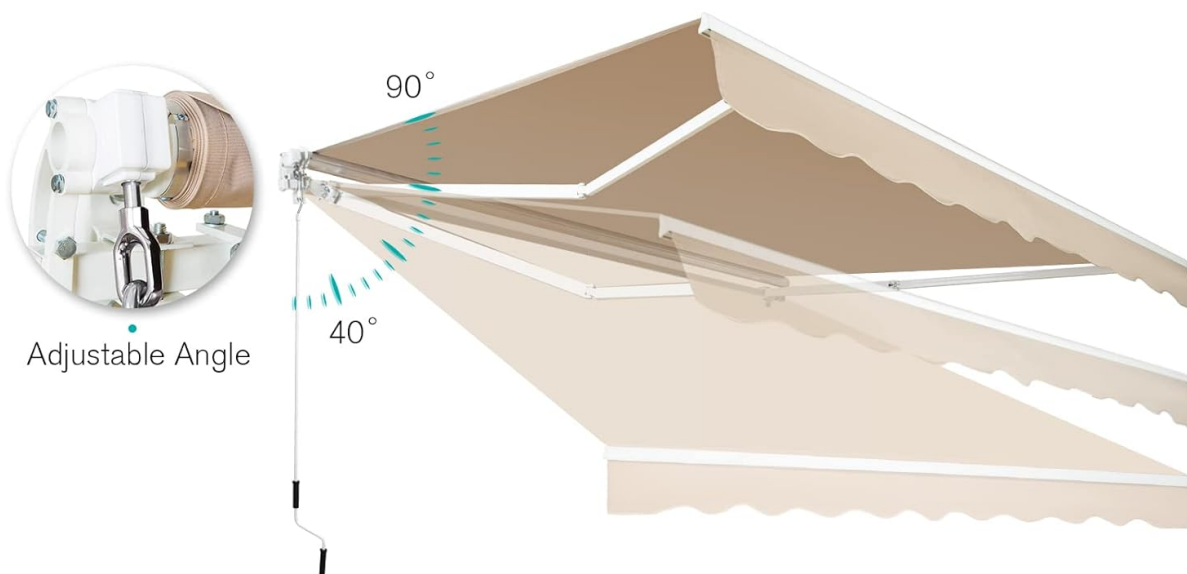
Turn the crank handle (T) counter-clockwise to retract the awning. Ensure the awning is fully retracted when not in use or during adverse weather conditions.

6.3. Adjusting the Angle

The awning's angle can be adjusted to optimize shade. Refer to the product's adjustable angle mechanism (shown in image below) for specific adjustment points. Typically, this involves loosening and re-tightening bolts on the arms to set the desired pitch between 40° and 90°.

Extra Gasket Make More Stable

Adjustable Angle



Easy to be adjusted in a few easy steps

Each awning comes with a pre-set pitch/angle that is considered ideal. However, if you need to make an adjustment, it can be done in just a few easy steps.

Image: Visual representation of the awning's adjustable angle feature, allowing for pitch adjustments.

7. MAINTENANCE AND CARE

- **Cleaning the Fabric:** Clean the awning fabric regularly with mild soap and water. Use a soft brush or sponge. Rinse thoroughly with clean water and allow to air dry completely before retracting. Do not use harsh chemicals or abrasive cleaners.
- **Frame Maintenance:** Periodically inspect the aluminum and steel frame for any signs of wear, corrosion, or damage. Clean the frame with a damp cloth.

- **Fastener Check:** Regularly check all bolts, screws, and connections to ensure they are tight. Re-tighten as necessary.
- **Weather Protection:** Always retract the awning during strong winds, heavy rain, snow, or hail to prevent damage. Prolonged exposure to extreme weather can shorten the product's lifespan.
- **Winter Storage:** In areas with harsh winters, it is recommended to fully retract the awning and, if possible, cover it for protection.



Image: The awning fabric highlighting its UV protection (SPF++) and waterproof capabilities, crucial for durability.

8. TROUBLESHOOTING COMMON ISSUES

- **Awning does not extend or retract smoothly:**
 - Check for any obstructions in the path of the arms or fabric.
 - Ensure the crank mechanism is properly engaged and not damaged.
 - Verify that all assembly bolts are tightened correctly, but not overtightened to restrict movement.
- **Awning sags or appears uneven:**
 - Inspect the wall brackets and mounting bolts for looseness. Re-tighten if necessary.
 - Check the tension of the arms. Adjust according to the assembly instructions if possible, or

contact support.

- **Fabric collects water:**

- Ensure the awning is installed with an adequate pitch (angle) to allow water runoff. Adjust the angle if needed.
- Retract the awning during heavy rainfall.

9. PRODUCT SPECIFICATIONS

Feature	Detail
Brand	AECOJOY
Model Size	13'x8' (156"W x 96"D)
Material	Aluminum, Polyester
Fabric Type	280g/m ³ Polyester (50 UV+ solar protection, windproof 30mph, rain protection, fade resistant)
Operation Mode	Manual Crank Handle (59" long crank)
Color	Beige
Required Assembly	Yes

10. WARRANTY AND CUSTOMER SUPPORT

AECOJOY is committed to providing high-quality products. For any questions regarding assembly, product quality, or warranty claims, please contact AECOJOY customer support. Please have your purchase information and model number ready when contacting support.

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