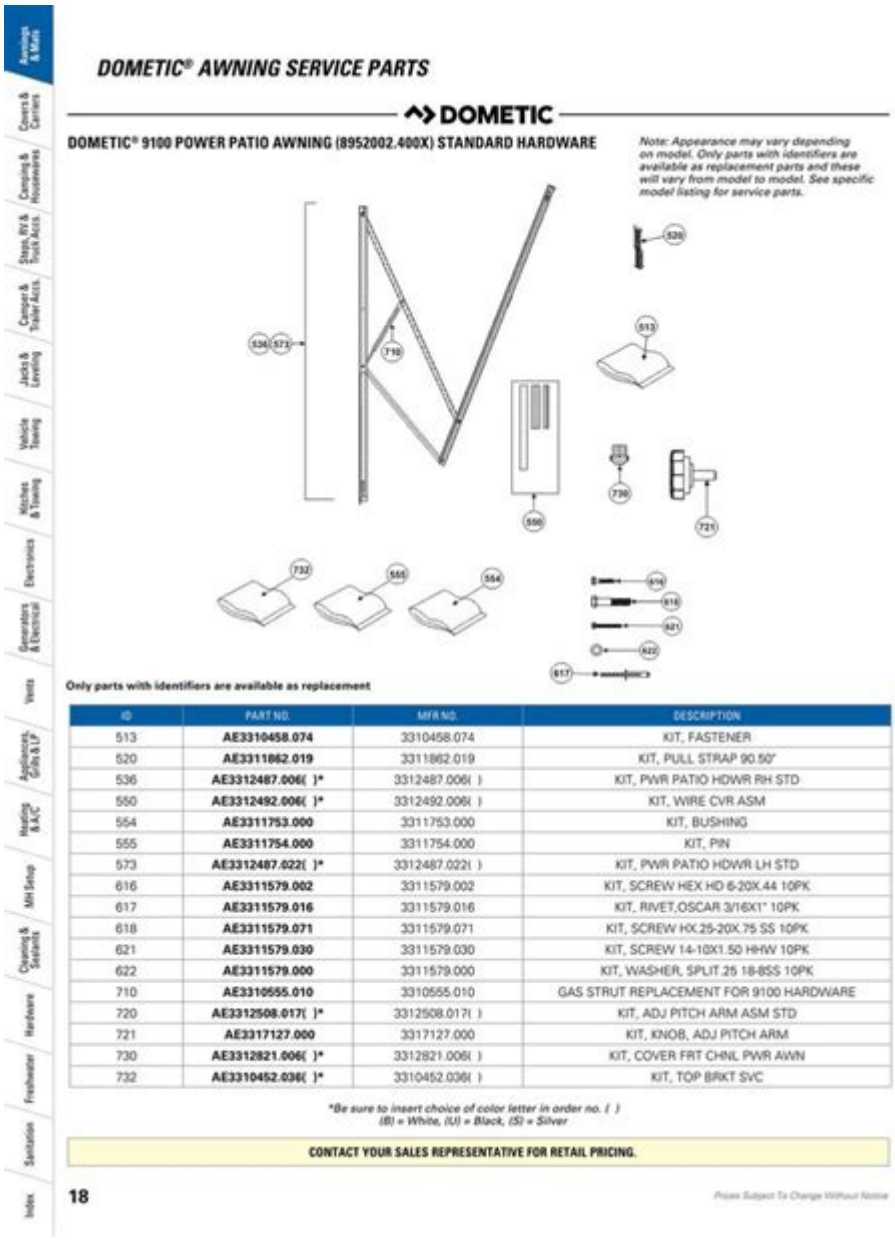
Electric Dometic 9100 Power Awning Parts Diagram



DOMETIC® AWNING SERVICE PARTS

DOMETIC

DOMETIC® 9100 POWER PATIO AWNING (8952002.400X) STANDARD HARDWARE

Note: Appearance may vary depending on model. Only parts with identifiers are available as replacement parts and these will vary from model to model. See specific model listing for service parts.

Only parts with identifiers are available as replacement

ID	PART NO.	MFR NO.	DESCRIPTION
513	**AE3310458.074**	3310458.074	KIT, FASTENER
520	**AE3311862.019**	3311862.019	KIT, PULL STRAP 90.50"
536	**AE3312487.006( )***	3312487.006( )	KIT, PWR PATIO HDWR RH STD
550	**AE3312492.006( )***	3312492.006( )	KIT, WIRE CVR ASM
554	**AE3311753.000**	3311753.000	KIT, BUSHING
555	**AE3311754.000**	3311754.000	KIT, PIN
573	**AE3312487.022( )***	3312487.022( )	KIT, PWR PATIO HDWR LH STD
616	**AE3311579.002**	3311579.002	KIT, SCREW HEX HD 6-20X.44 10PK
617	**AE3311579.016**	3311579.016	KIT, RIVET,OSCAR 3/16X1" 10PK
618	**AE3311579.071**	3311579.071	KIT, SCREW HX.25-20X.75 SS 10PK
621	**AE3311579.030**	3311579.030	KIT, SCREW 14-10X1.50 HHW 10PK
622	**AE3311579.000**	3311579.000	KIT, WASHER, SPLIT.25 18-8SS 10PK
710	**AE3310555.010**	3310555.010	GAS STRUT REPLACEMENT FOR 9100 HARDWARE
720	**AE3312508.017( )***	3312508.017( )	KIT, ADJ PITCH ARM ASM STD
721	**AE3317127.000**	3317127.000	KIT, KNOB, ADJ PITCH ARM
730	**AE3312821.006( )***	3312821.006( )	KIT, COVER FRT CHNL PWR AWN
732	**AE3310452.036( )***	3310452.036( )	KIT, TOP BRKT SVC

**Be sure to insert choice of color letter in order no. ( )*
(B) = White, (U) = Black, (S) = Silver

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Electric Dometic 9100 Power Awning Parts Diagram: Understanding the components and functionality of the Dometic 9100 power awning is essential for RV owners who want to maintain and optimize their outdoor living space. The Dometic 9100 series is known for its reliability, ease of use, and innovative design that enhances the outdoor experience. This article will provide a comprehensive overview of the parts involved in the Dometic 9100 power awning, including a detailed parts diagram, descriptions of each component, and insights into maintenance and troubleshooting.

Overview of the Dometic 9100 Power Awning

The Dometic 9100 power awning is designed to provide shade and shelter with the push of a button. It features a sleek design that complements various RV styles, and its automatic function makes it accessible for all users. The awning is equipped with various parts that contribute to its performance, durability, and convenience.

Parts of the Dometic 9100 Power Awning

Understanding the parts of the Dometic 9100 power awning can help users troubleshoot issues, perform maintenance, and appreciate the technology behind this essential RV accessory.

1. Awning Fabric

The awning fabric is a crucial component that provides shade and protection from the elements. Key features include:

- Material: Typically made from durable, weather-resistant materials like acrylic or vinyl.
- Color and Patterns: Available in various colors and patterns to match RV aesthetics.
- Replacement: Can be replaced if damaged or worn.

2. Roller Tube

The roller tube is the core component around which the awning fabric rolls. Its features include:

- Functionality: Supports the fabric and facilitates the retracting and extending of the awning.
- Material: Usually made from lightweight, high-strength aluminum.
- Maintenance: Regularly check for dents or bends that may affect operation.

3. Awning Arms

The awning arms are responsible for extending and retracting the awning. Important aspects include:

- Design: Typically made from aluminum for lightweight strength.
- Adjustability: Some models allow for angle adjustments to manage sunlight and rain.
- Lubrication: Ensure moving parts are regularly lubricated to prevent sticking.

4. Motor Assembly

The motor assembly is the heart of the power awning, controlling its movement. Key points include:

- Type: Usually a 12V DC motor that operates quietly and efficiently.
- Control: Can be operated via a switch or remote control.
- Troubleshooting: If the awning does not extend or retract, the motor may need inspection or replacement.

5. Control Switch

The control switch allows users to operate the awning easily. Features include:

- Location: Typically mounted inside the RV near the door for easy access.
- Type: Can be a simple toggle switch or a more advanced remote control system.
- Functionality: Ensure it is functioning properly; faulty switches may prevent operation.

6. LED Lighting (Optional)

Many Dometic 9100 awnings come with integrated LED lighting for added ambiance. Important details include:

- Location: Usually installed along the awning's bottom side.
- Power Source: Wired into the RV's electrical system, often controlled by a separate switch.
- Maintenance: Regularly check for burned-out bulbs or loose connections.

7. Mounting Brackets

Mounting brackets secure the awning to the RV. Key features include:

- Material: Usually made from durable metals like aluminum or stainless steel.
- Installation: Ensure they are properly fastened and free from rust.
- Adjustability: Some brackets allow for height adjustments during installation.

8. Spring Assembly

The spring assembly is responsible for tensioning the awning fabric. Features include:

- Function: Helps maintain the awning's tautness when extended.
- Adjustment: May require periodic adjustment to ensure proper tension.
- Inspection: Regularly check for wear or damage.

9. Safety Latch

The safety latch secures the awning in place when retracted. Important considerations include:

- Functionality: Prevents accidental deployment during transit.
- Inspection: Ensure it engages and disengages smoothly.
- Replacement: If damaged, it should be replaced to maintain safety.

Diagram of the Dometic 9100 Power Awning Parts

While a visual diagram cannot be presented in this text, the following description can help you visualize the setup. An illustration of the Dometic 9100 power awning parts typically shows:

1. Awning Fabric at the bottom, labeled with its material type.
2. Roller Tube above the fabric, showing its cylindrical shape.
3. Awning Arms extending from the roller tube, with arrows indicating their movement.
4. Motor Assembly positioned near the roller tube, often depicted with electrical connections.
5. Control Switch inside the RV, with lines indicating its connection to the motor.
6. LED Lighting along the bottom edge of the fabric, if included.
7. Mounting Brackets at both ends of the roller tube, securing it to the RV.
8. Spring Assembly located inside the roller tube, showing how it interacts with the awning fabric.
9. Safety Latch depicted near the roller tube, highlighting its role in security.

Maintenance Tips for Dometic 9100 Power Awning

To ensure the longevity and optimal performance of the Dometic 9100 power awning, regular maintenance is essential. Here are some key tips:

- Clean the Fabric: Use mild soap and water to clean the awning fabric. Avoid harsh chemicals that can degrade the material.
- Inspect Components: Regularly check all parts, including the motor, arms, and brackets, for signs of wear or damage.
- Lubricate Moving Parts: Apply lubricant to the awning arms and any moving components to ensure smooth operation.
- Store Properly: When not in use, retract the awning fully and ensure the safety latch is engaged to prevent accidental deployment.
- Check Electrical Connections: Regularly inspect the wiring and connections to ensure they are intact and free from corrosion.

Troubleshooting Common Issues

Even with proper maintenance, issues may arise with the Dometic 9100 power awning. Here are some common problems and their potential solutions:

- Awning Won't Extend/Retract:
- Check the control switch for proper function.
- Inspect the motor assembly for damage or electrical issues.
- Ensure the safety latch is disengaged.

- Fabric Is Loose or Worn:
- Inspect the spring assembly for proper tension.
- Replace the awning fabric if it's frayed or damaged.

- Awning Moves Unevenly:
- Check the alignment of the awning arms and roller tube.
- Adjust the mounting brackets if necessary.

- LED Lights Not Working:
- Inspect the wiring and connections for any loose or damaged parts.
- Replace any burned-out bulbs.

Conclusion

The Electric Dometic 9100 Power Awning Parts Diagram provides a valuable reference for RV owners looking to understand and maintain their awning systems. By familiarizing themselves with the individual components, users can ensure their awning operates efficiently and remains in good condition. Regular maintenance, prompt troubleshooting, and a thorough understanding of each part's function will enhance the longevity and enjoyment of the Dometic 9100 power awning, making outdoor adventures more enjoyable and comfortable.

Frequently Asked Questions

What components are typically included in the electric Dometic 9100 power awning parts diagram?

The diagram usually includes parts such as the awning fabric, roller tube, arms, motor, power switch, and mounting brackets.

Where can I find a detailed parts diagram for the Dometic 9100 power awning?

You can find the detailed parts diagram on the official Dometic website, in the product manual, or through various RV supply retailers.

How can I identify the specific parts of my Dometic 9100 power awning using the diagram?

You can identify specific parts by matching them to the labeled sections in the diagram, which typically includes part numbers and descriptions.

Is the electric Dometic 9100 power awning parts diagram the same for all models?

No, the parts diagram can vary based on the specific model and year of manufacture, so it's important to check the exact diagram for your model.

What should I do if I need to replace a part from my Dometic 9100 power awning?

Refer to the parts diagram to identify the correct part number, then contact a Dometic dealer or authorized service center for replacement.

Can I download the electric Dometic 9100 power awning parts diagram online?

Yes, many online resources, including the Dometic website, offer downloadable PDF versions of the parts diagram for the 9100 power awning.

Are there common issues with the Dometic 9100 power awning that the parts diagram can help troubleshoot?

Yes, the parts diagram can help troubleshoot common issues like motor failure or fabric damage by allowing you to locate and inspect the relevant components.

What tools do I need to replace parts of the Dometic 9100 power awning as indicated in the parts diagram?

You typically need basic tools such as a screwdriver, wrench set, and possibly a drill, depending on the part being replaced.

Electric Dometic 9100 Power Awning Parts Diagram

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