



RECORD THIS INFORMATION FOR FUTURE
REFERENCE:

FRTA Model Number _____
FRTA Serial Number _____
Hardware Model Number _____
Hardware Serial Number _____
Date Purchased _____
Retailer / Qualified Installer _____

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POWER PATIO AWNING

HARDWARE

8952(X)(X)1.4(X)0(#) BASEMENT

8952(X)(X)2.4(X)0(#) STANDARD

FRTA

FABRIC ROLLER TUBE ASSEMBLY

915(XX)(YY).(X)(X)(X)(#)

916(XX)(YY).(X)(X)(X)(#)

917(XX)(YY).(XX)(X)(#)

OPERATING INSTRUCTIONS

REVISION

Form No. 3312736.022 04/12
(Replaces 3312736.014)
(French 3312739.026)
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LaGrange, IN 46761

HARDWARE

8952(X)(X)(X).4(X)0(#)

FRTA

915(XX)(YY).(X)(X)(X)(#)

916(XX)(YY).(X)(X)(X)(#)

917(XX)(YY).(XX)(X)(#)



**Read these instructions carefully. These
instructions MUST stay with this product.**

INTRODUCTION

This awning (hereinafter referred to as “awning,” or “product”) is designed and intended for use on RVs with straight sides. For curved sides, please see the separate Hardware List in the Dealer Service Manual for the appropriate model. Use these instructions to ensure correct operation of product.

Dometic, LLC reserves the right to modify appearances and specifications without notice.

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DOCUMENT SYMBOLS



Indicates additional information that is **NOT** related to physical injury.



Indicates step-by-step instructions.

IMPORTANT SAFETY INSTRUCTIONS

This manual has safety information and instructions to help users eliminate or reduce the risk of accidents and injuries.

A. Recognize Safety Information



This is the safety alert symbol. It is used to alert you to potential physical injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

B. Understand Signal Words

A signal word will identify safety messages and property damage messages, and will indicate the degree or level of hazard seriousness.



WARNING **WARNING!** indicates a hazardous situation that, if **NOT** avoided, could result in death or serious injury.



CAUTION **CAUTION!** indicates a hazardous situation that, if **NOT** avoided, could result in minor or moderate injury.

NOTICE

NOTICE. is used to address practices **NOT** related to physical injury.

C. Supplemental Directives



Read and follow all safety information and instructions to avoid possible injury or death.

Read and understand these instructions before installing/using/servicing or performing maintenance on this product.

Incorrect installation/operation/servicing or maintaining of this product can lead to serious injury. Follow all instructions.

The installation **MUST** comply with all applicable local or national codes, including the latest edition of the following standards:

U.S.A.

- ANSI/NFPA70, National Electrical Code (NEC)
- ANSI/NFPA 1192, Recreational Vehicles Code

CANADA

- CSA C22.1, Parts I & II, Canadian Electrical Code
- CSA Z240 RV Series, Recreational Vehicles

D. General Safety Messages



WARNING **FAILURE** to obey the following warnings could result in death or serious injury:

- This product **MUST** be installed/serviced by a qualified service technician.
- Do **NOT** modify this product in any way. Modification can be extremely hazardous.
- Frequently examine product for imbalance; and signs of wear or damage to wiring (if applicable) and other critical parts. Do **NOT** use product if adjustments or repairs are necessary.
 - Critical parts may include awning fabric, cables, arm assemblies, etc.
- Disconnect product from power supply (if applicable), and do **NOT** operate product when maintenance (such as window cleaning) is being carried out in the vicinity.
- Do **NOT** allow anyone (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge to use this product, unless they have been given supervision or instruction (concerning use of this product) by a person responsible for their safety.
- Do **NOT** allow children to play with product or with fixed controls (if applicable). Keep remote controls (if applicable) away from children.
- **IMPACT OR CRUSH HAZARD. NEVER** leave an open awning unattended. Keep awning stowed (closed) when snow, heavy rain, wind, and severe weather conditions are expected.
- **IMPACT OR CRUSH HAZARD.** Do **NOT** allow water to pool, snow to accumulate, or heavy debris on awning fabric. Do **NOT** hang or place anything on awning. The awning will become unstable, and could bend or collapse.
- **FIRE HAZARD.** Keep sources of heat and fire (barbecue grills, portable heater, etc.) away from awning.



CAUTION **FAILURE** to obey the following caution could result in injury:

- **PINCH HAZARD.** Maintain a horizontal distance of at least 16" between fully open awning and any permanent object.




Do **NOT** face awning toward permanent objects that may interfere with awning operation.

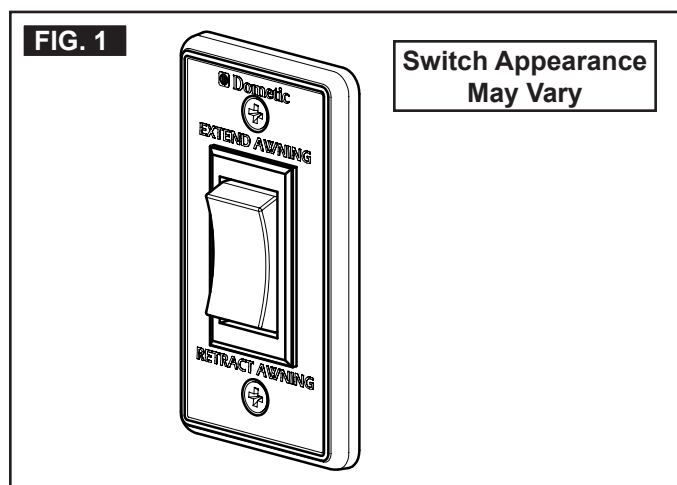
PROCEDURE

A. Open Awning

1. **CAUTION! PINCH HAZARD.** Maintain a horizontal distance of at least 16" between fully open awning and any permanent object. Failure to obey this caution could result in injury.

Press and hold "Extend" button on (fixed/wired) remote awning switch until awning is fully extended. See (FIG. 1).

 Awning will automatically stop when button is released no matter how far awning is extended/retracted.



2. **WARNING! IMPACT OR CRUSH HAZARD.** Do **NOT** allow awning to remain in over-extended position as this could trap heavy debris, or could cause water to pool or snow to accumulate on awning fabric. This weight will cause awning to become unstable, and bend or collapse. Failure to obey this warning could result in death or serious injury.

Verify valance is in correct position, and correct if necessary. If awning is over-extended, press "Retract" button briefly on remote (wired) switch until valance is in correct position. See (FIG. 1) & (FIG. 2).

FIG. 2

Wrong Position.
Awning Is Over-Extended With Valance Rope Behind Roller Tube.

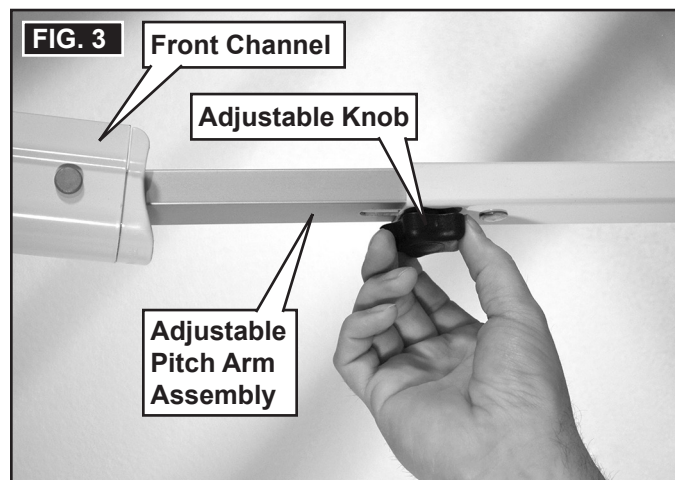
Correct Position.
Awning Is Extended Correctly With Valance Rope At Top Of Roller Tube.

B. Adjust Awning Pitch (Optional)

The FRTA (fabric roller tube assembly) will be lower than RV's awning rail when hardware is fully extended. This pitch (slope) will help accommodate water runoff. If a steeper pitch is desired, the FRTA must be lowered.

To lower FRTA:

1. With awning fully extended, loosen adjustable knob on adjustable pitch arm assembly (bottom arm). See (FIG. 3).



PROCEDURE

2. **CAUTION!** PINCH HAZARD. Keep **CLEAR** of openings around adjustable pitch arm assembly while adjusting awning pitch (slope). Adjustable pitch arm assembly (bottom arm) will telescope. Failure to obey this caution could result in injury.

NOTICE. Do **NOT** allow corner of entry door to contact awning fabric. Otherwise, premature wear or tearing of awning fabric could occur.

Pull top arm assembly (nearest entry door) down to lower FRTA to desired height. See (FIG. 4).



3. While holding top arm assembly in place, tighten adjustable knob to set pitch (slope). See (FIG. 3) & (FIG. 4).
4. **WARNING!** IMPACT OR CRUSH HAZARD. **ALWAYS** place one side of hardware in water shed position when adjusting awning pitch (slope). Otherwise, water could pool on awning fabric. Failure to obey this warning could result in death or serious injury.

Repeat steps (1) through (3) for opposite side.



Make sure the top arm assembly that's farthest from entry door is lowered more than the other. See subsection, "C. Prepare Awning To Shed Water" on page (5).

C. Prepare Awning To Shed Water



WARNING FAILURE to obey the following warning could result in death or serious injury:

- **IMPACT OR CRUSH HAZARD.** Do **NOT** allow water to pool or snow to accumulate on awning fabric. The awning will become unstable, and could bend or collapse. Whenever heavy rain or snow is expected, place awning in stowed (closed) position.

Lowering one arm assembly into water shed position (to create a slope from other arm assembly) will allow water run-off during light rain.



1. With awning fully extended, verify top arm assembly nearest entry door is fully extended, and that adjustable knob is tightened. See (FIG. 3).
2. **WARNING!** IMPACT OR CRUSH HAZARD. **NEVER** disengage [lift handle -or- adjustable knob] with water pooled or snow accumulated on awning fabric. This will cause the awning to collapse. Failure to obey this warning could result in death or serious injury.

NOTICE. Do **NOT** allow corner of entry door to contact awning fabric. Otherwise, premature wear or tearing of awning fabric could occur.

Loosen adjustable knob on adjustable pitch arm assembly (bottom arm) that's farthest from entry door. See (FIG. 3).



Lowering the arm assembly that's closest to entry door could allow door to contact fabric.

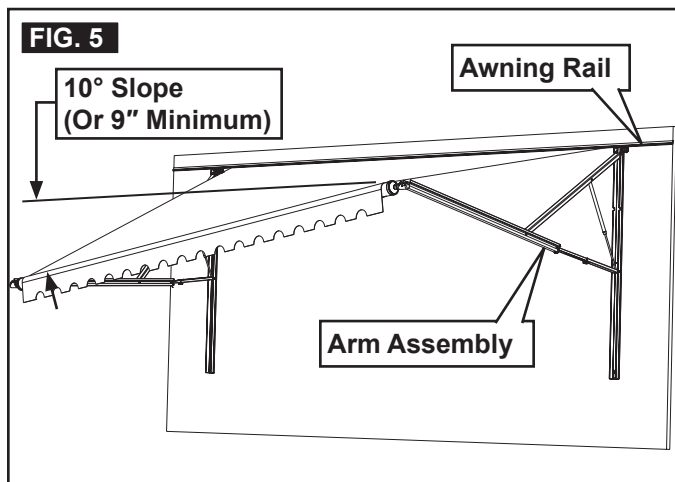
PROCEDURE

3. **CAUTION! PINCH HAZARD.** Keep **CLEAR** of openings around adjustable pitch arm assembly while adjusting awning pitch (slope). Adjustable pitch arm assembly (bottom arm) will telescope. Failure to obey this caution could result in injury.

Pull top arm assembly (farthest from entry door) down until awning slopes approximately 10°, or 9" minimum from other arm assembly. See (FIG. 4) & (FIG. 5).



This slope requirement is in addition to the slope from RV's awning rail.



4. While holding top arm assembly in place, tighten adjustable knob to set in place. See (FIG. 3) & (FIG. 4).

D. Close Awning



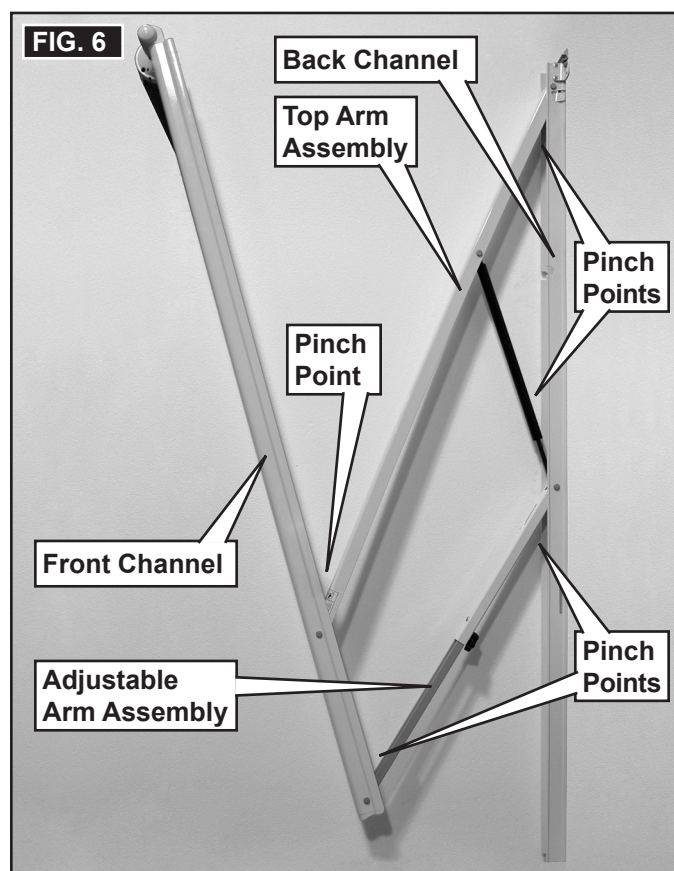
1. Loosen adjustable knobs to allow awning to reset to original position. Then lightly tighten knobs on both arm assemblies to help ensure rattle-free travel. See (FIG. 3).

2. **WARNING! PINCH HAZARD.** Keep **CLEAR** of arm assemblies while closing awning. Arm assemblies will [fold / close] against [back channel / RV]. Failure to obey this warning could result in death or serious injury.

Press and hold "Retract" button on remote (wired) switch until awning is fully closed. See (FIG. 1) & (FIG. 6).



Awning will automatically stop when button is released no matter how far awning is extended/retracted.



CLOSE AWNING MANUALLY (POWER FAILURE)

In case of power failure, it may be necessary to close awning manually. There are two methods to close awning manually:

Perform procedure under, "A. Auxiliary Power Method" on page (7) first. If this fails, perform procedure under, "B. Pull Strap Method" on page (8).

i Rule out simple causes for power failure (RV disconnected from power, low/discharged battery, ignition interlock, etc.) before attempting to close awning manually. If one of these procedures is performed, the awning will need to be serviced by a qualified service technician before operating awning again.

A. Auxiliary Power Method

When awning is in open position and 12 Vdc power has been lost, the awning may be closed by supplying auxiliary power (from external source) to awning motor.

i A 12 Vdc automobile battery would make an ideal external power source.

- 1.** Loosen adjustable knobs to allow awning to reset to original position. Then lightly tighten knobs on both arm assemblies to help ensure rattle-free travel. See (FIG. 3).
- 2. WARNING! ELECTRICAL SHOCK HAZARD.** Disconnect power from awning before accessing wiring connections. There may be issues mimicking a power failure with electric current still present, or power may return unexpectedly. Failure to obey this warning could result in death or serious injury.
- Disconnect 120 Vdc power from RV, and 12 Vdc power to awning.
- 3.** Unplug motor connector from hardware connector (located in upper part of RH arm assembly. See (FIG. 7).

- 4.** Connect 16 Gauge (minimum) wire leads (user supplied) to motor connector, and tape in place (with electrical tape).

i Do **NOT** connect to hardware connector.

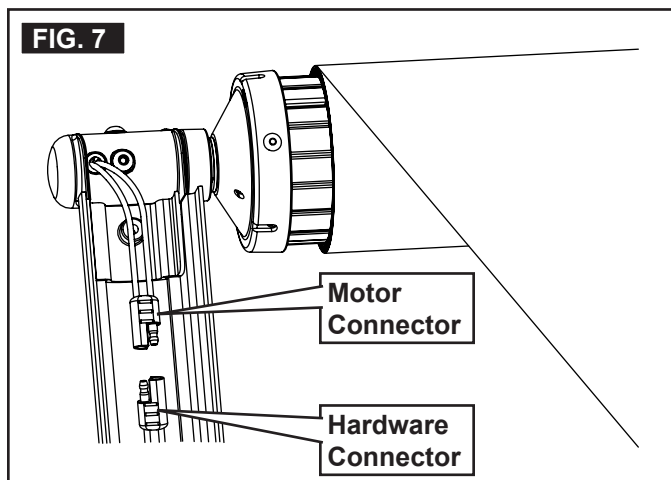
- 5. NOTICE.** Disconnect power immediately after awning retracts. Otherwise, damage to awning motor could occur.

Connect other end of wire leads to the 12 Vdc external power source, until awning retracts to its closed position:

- Connect red wire to positive (+) terminal.
- Connect black wire to negative (-) terminal.
- Disconnect wire leads from power source once awning fully retracts.

i The awning will extend if wire leads are reversed (reversed polarity).


- 6.** If awning does not move (after confirming connections and charge on external power source), the motor may be defective. Proceed to subsection, "B. Pull Strap Method" on page (8) for alternative method.




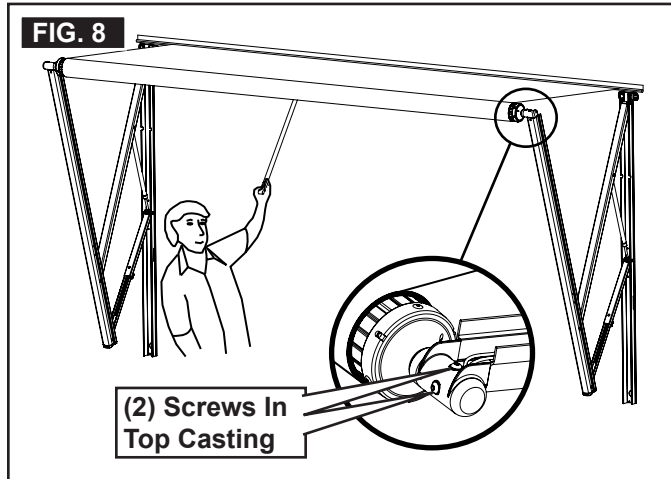
CLOSE AWNING MANUALLY (POWER FAILURE)

B. Pull Strap Method

Use this procedure if prior method failed to close awning.

 This procedure requires help from at least one other person.

-  1. Make sure adjustable knobs are only lightly tightened on both arm assemblies. See (FIG. 3).
2. Insert pull strap (provided) into utility slot of FRTA, and slide to center (of FRTA). See (FIG. 8).



3. **WARNING! IMPACT OR PINCH HAZARD.** Hold pull strap firmly before removing screw(s) at top casting. The fabric roller tube is under spring tension, which will attempt to close the awning quickly and unexpectedly. Failure to obey this warning could result in death or serious injury.

While one person grasps pull strap firmly, remove the (2) screws at top and back of RH top casting. Save for reinstallation later.

4. **WARNING! PINCH HAZARD.** Keep **CLEAR** of arm assemblies while closing awning. Arm assemblies will [fold / close] against [back channel / RV]. Failure to obey this warning could result in death or serious injury.

NOTICE. Move pull strap diagonally (to left or right) as awning rolls up. Otherwise, awning fabric may crease or form a bulge, and could permanently stretch fabric.

Carefully and slowly allow awning to roll up (close).

5. **WARNING! IMPACT OR CRUSH HAZARD.** Reinstall screw(s) at top casting **BEFORE** transporting RV. Otherwise, awning could extend quickly and unexpectedly during transit. Failure to obey this warning could result in death or serious injury.

Align holes in RH top casting (where screws were removed), and reinstall the (2) screws to secure awning for travel.

GENERAL CARE AND USE

A. Precautions

NOTICE

FAILURE to obey the following notices could damage product or property.

- Do **NOT** use insecticides or other sprays near awning fabric. These could cause stains, and could adversely affect fabric's ability to repel water.
- Do **NOT** expose awning to adverse environmental conditions, corrosive agents, or other harmful conditions.
- Do **NOT** allow corner of entry door to contact awning fabric. Otherwise, premature wear or tearing of awning fabric could occur.
- **NEVER** close awning (for storage) when wet. The combination of moisture and dirt could result in mildew, discoloration, and stains.



If it is necessary to roll up awning (temporarily) while it's wet, make sure you roll it out and let it dry (as soon as conditions allow) before rolling it up again.

- Do **NOT** allow dirt, leaves, or other debris to accumulate on awning, which could cause abrasion and stains. Mildew could grow on dirt and organic debris causing permanent discoloration, stains, and odors to awning fabric.

B. Hardware Maintenance



1. **NOTICE.** Do **NOT** use strong chemicals or abrasives to clean parts, as their protective surfaces will be damaged.

Clean awning hardware (as needed) with a mild surface cleaner.

2. **NOTICE.** Do **NOT** use silicone sprays near labels. This could weaken label's adhesive bond to product surfaces.

Apply silicone spray lubricant as needed to keep the fabric roller tube assembly's moving parts operating smoothly.

3. Lubricate all sliding surfaces of arm assemblies with paraffin wax or silicone spray as needed.

C. Fabric Maintenance

Vinyl fabric offers the advantage of durability and water resistance.



Wrinkling is a normal characteristic of vinyl. Wrinkling may be more noticeable when retracted, and after prolonged periods of stowage (rolled up). Leave awning open during warm weather to minimize the wrinkling over a period of time.

1. To clean:



- a. Mix 1/4 cup dish soap and 1/4 cup bleach to 5 gallons of fresh water to use as cleaning solution.

- b. **NOTICE.** Do **NOT** use abrasive or corrosive cleaners, mildew removers, or hard bristle brushes on awning fabric.

Liberally drench open awning fabric with cleaning solution.

- c. Close awning, let it soak for 5 minutes, then open awning again.

- d. **NOTICE.** Remove solution completely from awning fabric. Bleach will degrade awning fabric if **NOT** completely rinsed off.

Thoroughly hose off top and bottom of fabric with clean water.



Repeat as necessary to completely remove solution.

- e. **NOTICE. NEVER** close awning (for storage) when wet. The combination of moisture and dirt could result in mildew, discoloration, and stains.

Allow awning to dry thoroughly before stowing (rolling up).

2. To repair a pinhole, or if a spot of coating flakes off from top layer of vinyl fabric:



- a. Apply a very small dab of VLP (Vinyl Liquid Patch) on tip of cotton swab.

- b. Gently roll cotton swab around pinhole. The VLP will melt the coating (on fabric) and that will quickly fill in pinhole and blend with all colored vinyls.

- c. Wait until VLP (Dometic P/N 3314216.000) fully cures before rolling up awning.

D. When To Get More Help

1. If malfunctions occur (that cannot be corrected by reviewing these instructions), contact a qualified service technician.



A slight "travel line" may appear where door roller (if installed) contacts awning fabric. This is considered normal and does **NOT** affect the integrity of awning fabric.