



Automatic RV Door Awning System

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WARNING

This manual must be read and understood before installation, adjustment, service, or maintenance is performed. This unit must be installed by a qualified service technician. Modification of this product can be extremely hazardous and could result in personal injury or property damage.

AVERTISSEMENT

Lire et comprendre ce manuel avant de procéder à l'installation, à des réglages, de l'entretien ou des réparations. L'installation de cet appareil doit être effectuée par un réparateur qualifié. Toute modification de cet appareil peut être extrêmement dangereuse et entraîner des blessures ou dommages matériels.

INSTALLATION & OPERATING INSTRUCTIONS

Model

974(XX)56.(X)15(X) Oasis-Elite

SAFETY INSTRUCTIONS

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

RECOGNIZE SAFETY INFORMATION



This is the safety-alert symbol. When you see this symbol in this manual, be alert to the potential for personal injury.

Follow recommended precautions and safe operating instructions.

UNDERSTAND SIGNAL WORDS

A signal word, **WARNING** OR **CAUTION** is used with the safety-alert symbol. They give the level of risk for potential injury.

WARNING indicates potentially hazardous situation which, if not avoided, could result in death or serious injury.

CAUTION indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

CAUTION used without the safety alert symbol indicates, a potentially hazardous situation which, if not avoided, may result in property damage.

Read and follow all safety information and instructions.

GENERAL INFORMATION

When Installing Electronic Control Kit Number 3309424.004 the following AMP connectors, pins, sockets, and some wiring will need to be supplied by installer:

- (4) 350766-1 Plug (3 position)
- (6) 350777-1 Plug (2 position)
- (1) 350779-1 Plug (4 position)
- (6) 350689-1 Socket (18-24 gauge)
- (5) 350550-1 Socket (14-20 gauge)
- (2) 640310-1 Socket (10-12 gauge)
- (14) 350547-1 Pin (14-20 gauge)

When Installing Electronic Control Kit Number 3309424.012 the following wire harness kit (3309741.001) will be supplied, but some wiring will need to be supplied by installer.

- (2) 3309726.002 Wire Harness, Limit Switch
- (2) 3309726.010 Wire Harness, Patio Motor
- (2) 3309726.028 Wire Harness, Door Motor
- (2) 3309726.036 Wire Harness, Wind Sensor
- (1) 3309726.044 Wire Harness, Patio Switch
- (1) 3309726.051 Wire Harness, Door Switch
- (1) 3309726.067 Wire Harness, 12 VDC Power

Important: Read all of the following steps before beginning installation.

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

Important: This awning must be installed by a qualified person.

A. Location

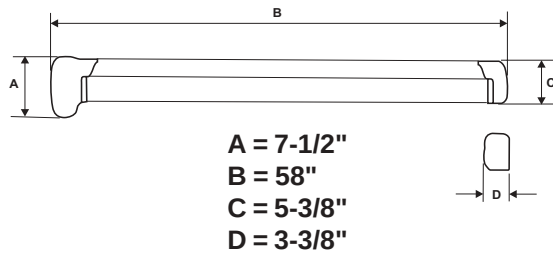
Important: Structural backing is required where mounting screws will be installed through side walls for securing Awning Rail.

1. Before beginning installation of the Oasis Elite Door Awning, be sure the mounting area is straight and that there are no obstructions. Allow for a natural downward slant of the awning. Check for a solid backing or under-structure where screws are to be used.
2. Disconnect all the AC and DC power to the vehicle before installing the awning.
3. Before drilling, be sure that there are no obstacles inside the wall (cables, wires, gas pipes, etc.).
4. The minimum clearance from the awning rail to door or door trim is 10-1/2". See FIG. 1.

WARNING

Shock Hazard. There may be electrical wiring in the walls and between the roof and the ceiling. Disconnect 120 VAC power cord and the positive (+) 12 VDC terminal at the supply battery. Failure to follow this instruction may create a shock hazard causing death or severe personal injury.

FIG. 1



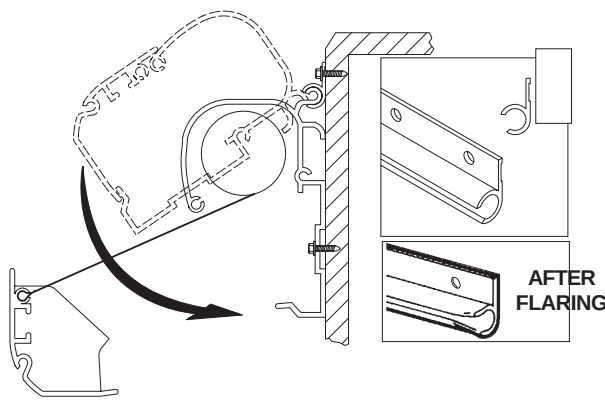
INSTALLATION INSTRUCTIONS

A. Awning Rail Installation

1. Secure awning rail to side of RV at the desired location using # 6 x 1" wood screws, or self drilling sheet metal screws (not provided). Awning rail must be located at least 10 1/2" above the door. This will allow the door to open when the awning is in the extend position. See FIG. 2.

FIG. 2

AWNING RAIL



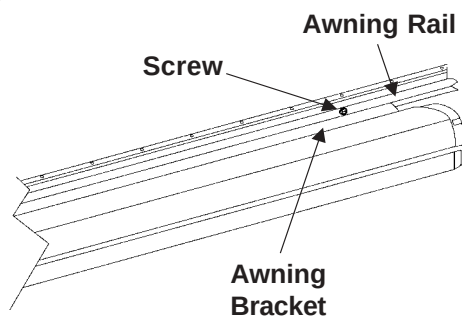
B. Install And Secure Awning

1. Slide the awning into the awning rail. To aid in installation, flare end of awning rail before attempting to slide awning into rail. See FIG 2.

Note: Awning can be rotated up when sliding into rail.

2. Using two (2) # 6 x 1/2" self drilling screws (not provided) secure awning through awning rail approximately six (6) inches in from each end. See Fig. 3.

FIG. 3



C. Electronic Control Kit (3309424.004 & 3309424.012, Awning Motor, Limit Switch, And Remote Switch Installation

Important: Electronic Control is also pre-wired for installing an A & E WeatherPro Patio Awning. Unless an A & E WeatherPro Awning is being installed at the same time, only connectors designated for Oasis Elite Door Awning will be used.

Important: The Electronic Control and Key FOB are programmed as a matched set. They must remain together.

1. First, decide on a location for the Electronic Control. Recommended locations for the Electronic Control are compartments outside the living quarters such as one of the basement storage compartments. The Electronic Control must be installed in a location where it will not be close to steel framing or directly exposed to weather or extreme temperatures.

Note: Awning is shipped with motor cover loosely fitted around motor. Remove front of cover to expose motor and limit switch connectors.

Important: Remove bubble wrap from motor prior to installation.

2. Connect Electronic Control to Awning Motor See FIG. 4 & 6.
 - a. The installer will provide a wire harness using plugs and pins or the supplied 3309726.028 Door Motor Wire Harness depending on the kit being installed. Route a 14 gauge Black/White & Red/White wire between the Electronic Control and the awning location. Choose the most direct route through the wall to the left side of the awning. Next, route harness through the grommet in the rear of motor cover and plug it into the Black & Red motor wire connector.

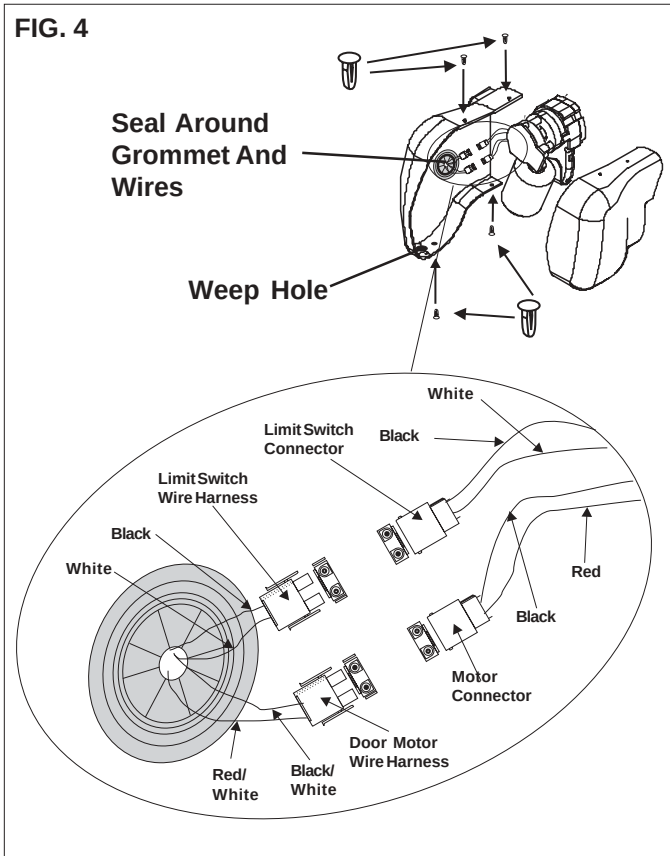
Important: There are two connectors at this location. One has pins in it the other has sockets. You will plug this connector into the one with sockets.

To avoid voltage drop, follow wire length guide below:

Wire Length	Wire Size
10' & Under	14 Gauge
11' to 30'	12 Gauge
Over 30'	10 Gauge

Important: When routing harness, take precaution against wires rubbing on sharp edges. Use a grommet (supplier installed) when going through walls. Seal any holes with clear silicon sealer.

FIG. 4



- b. Plug the other end of the harness into the Electronic Control connector marked **"Door Motor"**.
3. Connect Electronic Control to Limit Switch. See FIG. 4 & 6.
 - a. The installer will provide a wire harness using plugs and pins or the supplied 3309726.002 Limit Switch Wire Harnesses depending on the kit being installed. Route a 16 gauge Black & White wire between the Electronic Control and the awning location. Choose the most direct route through the wall to the left side of the awning. Next, route harness through the grommet in the rear of motor cover and plug it into the Black & White Limit Switch connector.

Important: There are two connectors at this location. One has pins in it the other has sockets. You will plug this connector into the one with pins.

- b. Plug the other end of the harness into the Electronic Control connector marked **"Limit Switch"**.
- c. Seal hole in side wall, motor cover grommet, and wires with clear silicon sealer. See FIG. 4.
- d. Place front cover onto motor assembly and line up holes in top motor cover. Insert two push rivets (provided) in top securing front motor cover to rear motor cover and awning casing. See FIG. 4.

Important: Do not seal or block the weep hole in the bottom of the motor cover. See FIG. 4.

- e. Insert two push rivets (provided) in bottom, securing top motor cover to rear motor cover and awning casing.

Important: Always seal where wires enter coach and protect wires from chafing. All splices should be insulated and secure any excess wire to prevent damage.

4. Connect Electronic Control to the Remote Switch. See FIG. 6.
 - a. Install the remote switch at a convenient location such as the door area.
 - b. The remote switch should not be in direct exposure to weather or extreme temperatures.
 - c. Cut hole in structure where switch is to be installed. Place decal on bezel and pop remote switch into bezel opening.
 - d. Route three (3) wires (installer supplied) from the Electronic Control to the remote switch. These wires should be brown/white, yellow/white, and green/white 16 gauge wires. The Electronic Control end of wire will require a three position plug and pins (installer supplied) or one 3309726.051 (supplied) Door Switch Wire Harness depending on the kit being installed. Install 1/4" insulated terminals on the remote switch end of wires. Connect wires to switch. See FIG. 6 for wire locations. Secure bezel with appropriate fasteners (not supplied).
 - e. Plug the opposite end of the wire harness into the Electronic Control connector marked **"Door Switch"**.

D. Connect Electronic Control To 12 VDC Power Supply and Ignition Interlock

1. Connect Electronic Control 12 VDC Power Supply. See FIG. 6.
 - a. Run two (2) wires from the control box to the 12 VDC supply source. It is recommended that these wires be (Red+ and Black -) 12 gauge wires. This should be on a separate 15 amp circuit. The Electronic Control end of the 12 VDC supply wires will require a four position connector and sockets (installer supplied) or the supplied 3309726.067 12 VDC Power Wire Harness depending on the kit being installed.

Important: To ensure proper operation, the Electronic Control must have a minimum of 12.5 VDC at the Electronic Control during awning operation. It may be necessary to increase the wire size if voltage is below 12.5 VDC.

2. Ignition Interlock connection. See FIG. 6.
 - a. When installed correctly the interlock connection prevents the awning from being extended when the ignition is "ON".
 - b. Run a 16 gauge wire (installer supplied) from the Ignition Isolator (+12 VDC) of vehicle to the Electronic Control. The Electronic Control end of this wire will require a pin (installer supplied) or a proper size wire nut to connect it to the supplied 3309726.067 12 VDC Power Wire Harness depending on the kit being installed.
 - c. Plug this harness into the Electronic Control connector marked "**Power 12 VDC**".

Important: The awning is now operational. Do not move vehicle until step "E" is completed.

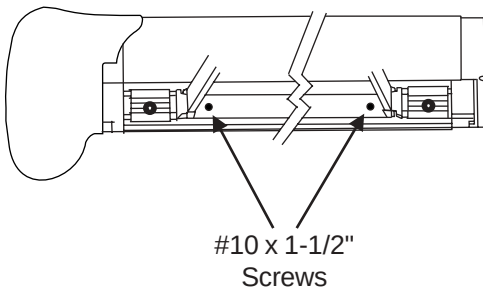
E. Secure Back Case

1. Turn on the 12 VDC power supply to operate the awning. Open awning to its full extension. See "Operating Instructions" for awning operation.

Important: To prevent water leakage, always use silicon sealant where each fastener enters the side wall of the vehicle.

2. Secure back of case to side wall of RV. Use the holes in case as a guide and predrill holes in side wall using a 9/64" drill bit (5/32" if drilling into steel). Secure with two (2) #10 x 1-1/2" screws (not supplied.) See FIG. 5.

FIG. 5

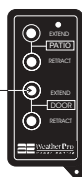


Important: Do not over tighten fasteners. This will cause them to "strip out" and severely weaken their holding ability.

OPERATING INSTRUCTIONS

A. To Open Awning

1. Using The Remote Control (Key FOB)
 - a. Press and hold the "Extend" button until the awning is completely opened. If extend button is released before awning is completely opened, the awning will remain in the position when released. It will continue to extend when pressed and held again.

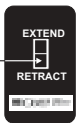
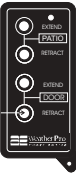


2. Using The Remote Rocker Switch
 - a. Press and hold the remote rocker switch in the "Extend" position until the awning is completely opened. If switch is released before the awning is completely opened, it will remain in the position when released. It will continue to extend when switch is pressed again.



B. To Close Awning

1. Using The Remote Control (Key FOB)
 - a. Press and hold the "Retract" button for 3 seconds. The awning will automatically close. If not held for three seconds the awning will remain in the position when button is released. It will continue to close when pressed again.
2. Using The Remote Rocker Switch
 - a. Press and hold the remote rocker switch in the "Retract" position for 3 seconds. The awning will automatically close. If not held for three seconds the awning will remain in the position when button is released. It will continue to close when pressed again.



Important: As an extra safety precaution, visually verify that the awning is fully closed.

C. In Case Of Coach Power Failure

Note: It may be necessary to use a step ladder while completing the following steps.

! WARNING

Fall Hazard. When utilizing a step ladder for this procedure, follow step ladder manufacturers safety warnings. Failure to follow these instructions could be extremely hazardous and could result in personal injury.

1. Retracting the Oasis Elite Awning if 12 VDC power has been lost and the awning is in the open position. Use an external 12 VDC power source to close the awning. A good external 12 VDC power source would be an automobile battery.
2. Remove the left side cover and disconnect the motor connector. Apply positive (+) 12 VDC to the Red wire in the connector going to the motor. Apply negative (-) 12 VDC to the Black wire in the connector going to the motor. When the awning is fully closed, immediately disconnect the external 12 VDC power.

3. Retracting the awning if the motor fails when the awning is in the open position. Remove the left side cover and disconnect the motor and limit switch connector. Remove the two fasteners that hold the awning to the side wall and slide the awning off the rail. See FIG. 5. Once removed, the front channel can be pushed back to the casing and secure with tape.

Removal of the awning from RV requires more than one person.

WARNING

Fall Hazard. One person must not attempt to remove the awning from RV. The awning may become uncontrollable while sliding the awning out of the awning rail resulting in a fall. One person should control the lead end of the awning while another person controls the trailing end. Failure to follow these instructions could be extremely hazardous and could result in personal injury.

D. A & E Oasis Elite Helpful Hints

Important: We remind you the awning is to shelter you from the sun, not from rain, wind or snow.

1. Whenever the awning is wet while rolled up, as soon as conditions allow, roll it out and let it dry before rolling it up again. This will help prevent the formation of mildew and add greatly to the life of the awning.
2. Mildew does not form on the fabric itself, but on the accumulated dust, dirt and grime. Periodically clean vinyl or woven acrylic fabric using a mixture of **1/4 cup of dish soap and 1/4 cup of bleach mixed with 5 gallons of warm water**. Liberally slosh the mixture on the top of the fabric and roll the awning up for 5 minutes. This will apply the mixture to the bottom as well. Roll it back out and hose off with fresh water. Repeat if necessary. Allow to dry before rolling up.
3. If heavy wind conditions exist, retract awning and place in stored position.

E. When To Get More Help

This installation and operating instructions is intended to provide practical instruction for the sequential operation of the A & E Oasis Elite door awning. If malfunctions occur that cannot be corrected by reviewing these instructions, contact a Dometic Service Center or a qualified service technician for assistance.

FIG. 6

3309424.004 & 3309424.012 Control Kit Wiring

