



Two Step

760000(X).400 Standard Hardware
760011(X).400 Basement Hardware

For

700(XX)(XX).(XXX) and 710(XX)(XX).(XXX)
Fabric Roller Tube Assembly

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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 INSTRUCTIONS

MODEL

760000(X).400 Hardware
760011(X).400 Hardware

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: means if the safety information is not followed someone could be injured or killed and/or damage to equipment could occur.

CAUTION: means if the safety information is not followed someone might be injured and/or damage to equipment might occur.

Read and follow all safety information and instructions.

General Information

COVERED BY PATENTS 5566918, 5383346
OTHER PATENTS PENDING

REQUIRED PARTS (Packed with each Hardware Assembly)

- | | |
|--|--------------------------|
| (4) #14 x 2-3/4" Hex Head Screws | (4) #6 x 1/2" Tek Screws |
| (4) #14 x 2" Hex Head Screws | (2) 1/4 - 20 x .50" Bolt |
| (2) #10 Lock Washer | |
| (4) 3/16" x 1" Oscar Rivets (760011(X).400 only) | |

Important: Read and understand ALL of the following steps before beginning installation.

Application

The A&E Awning is designed and intended for use on Motorhomes, Travel Trailers, and Fifth Wheels with straight sides.

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

Important: Structural backing is required where mounting screws/oscar rivets will be installed through sidewall for securing top mounting bracket and back channel.

Installation Height:

This is the distance between the top mounting bracket and lower mounting bracket, center to center on mounting screws.

760000(X).400-Min: 67-1/8", Max: 81"

760011(X).400-Min: 67-1/8", Max: 67-3/8"

Important: Minimum distance from awning rail to door is 7"; if awning has a metal shield, the minimum distance should be increased to 7-1/2" from awning rail to door. When the door falls in the center of the awning, add 1-1/2" to these distances. Mounting height depends on awning type and length. Insure sufficient room is available before starting installation. If questions arise, contact your Dometic Sales Representative.

Installation of A&E Awnings will briefly require three people. Use the following procedures to assure a properly installed, and properly functioning awning.

Installation Instructions

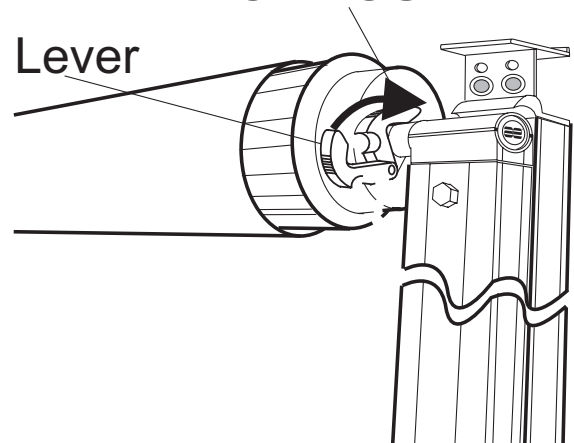
Important: Awning FRTA is shipped with a protective collar around rotor on right side torsion assembly. To prevent accidental damage to rotor while handling do not remove protective collar until fabric is installed in awning rail in Step 4.

! WARNING

Do not remove the cotter pin from right side or 5/16" bolt from left side at this time and Do not rotate the Safe-T-Lock™ Lever until installation is complete. Lever has been preset in the ROLL-OUT position.

FIG. 1

ROLL-OUT



1. Secure FRTA to Hardware

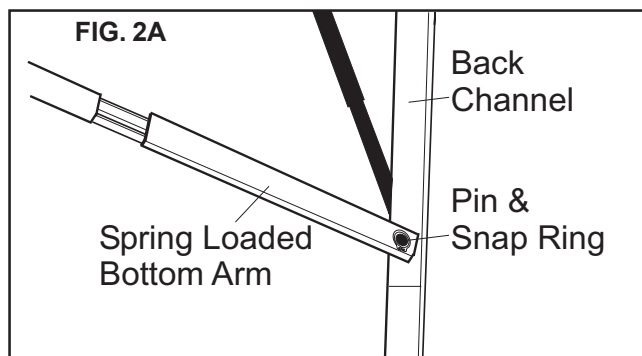
- A. Carefully lay the fabric roller tube assembly on a clean, well padded "V" trough to prevent fabric and/or roller cover damage. Remove the hardware from the packaging and place by either end of the FRTA.

⚠ WARNING

The arm assemblies are spring loaded. Do not remove the nylon ties or open travel lock until the unit is installed securely to the application. Failure to do this may result in personal injury or property damage.

- B. Secure each front channel to top casting mounted at the end of the FRTA. See FIG. 2B.

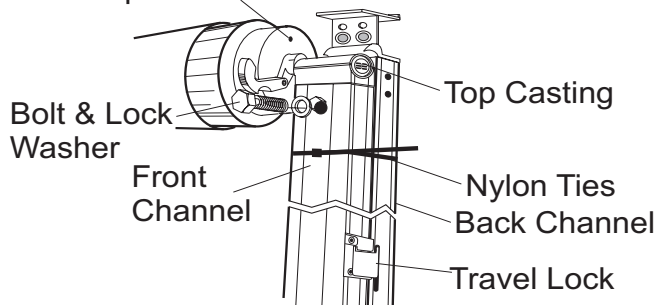
Important: One front channel assembly has a spring loaded bottom arm. It should be installed on non cam lock end of awning. See FIG. 2A.



- C. Use one (1) 1/4-20 x 1/2" hex bolt and one (1) lock washer to secure top casting to front channel. See FIG. 2B.

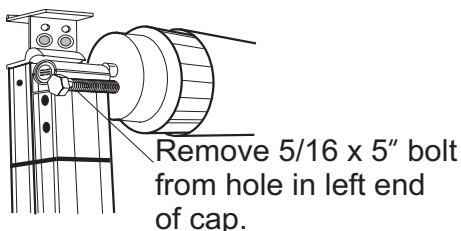
FIG. 2B

Do Not Remove Right Side Cotter Pin or Left Side 5/16" x 5 bolt, Nylon Ties or Open Travel Lock at This Time



- D. Once hardware is attached, remove the left side 5/16 x 5 bolt.

FIG. 3

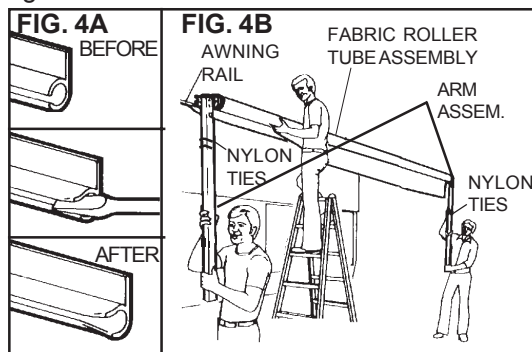


⚠ WARNING

Do not remove the right side cotter pin at this time. Awning tension is pre-set and will spin which could cause personal injury or property damage.

2. Install Fabric In Awning Rail

- A. Prepare the Awning Rail to accept the Awning Fabric. Select the end from which the awning shall be fed, then widen that end with a flat screwdriver and file off any sharp edges. See FIG. 4A



- B. With one person grasping each Arm Assembly, carefully lift the entire assembly to an upright position.

Important: Keep the two Arm Assemblies parallel to each other to avoid excessive twisting and possible damage to the assembly.

Walk the awning to the end where the Awning Rail was prepared. See FIG. 4B

A third person is now required to feed the Fabric into the Awning Rail. The other two will walk the entire Awning Assembly forward and into the desired position.

3. Top Mounting Bracket Installation

Note: Remove protective collar around rotor on right side torsion assembly before installing right side top mounting bracket.

A. Secure Top Mounting Bracket

1. After the complete awning assembly has been threaded into the Awning Rail, check that its position allows for solid mounting of the Top Mounting Bracket and Back Channel. Also insure that the back channels are in the desired location (not restricting use of doors, access doors, windows, etc.).

Important: Structural backing is required where mounting screws will be installed through sidewall for securing top mounting brackets.

FIG. 5A

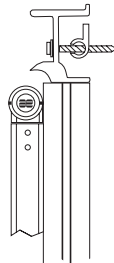
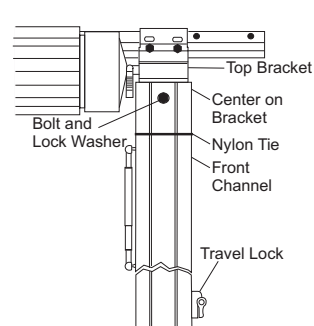
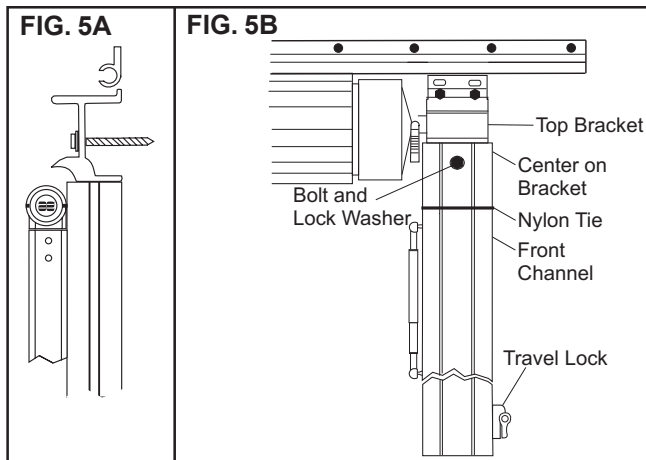


FIG. 5B





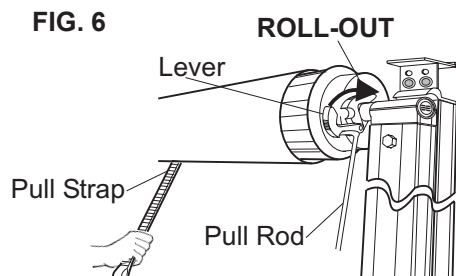
Note: Awning rails with rain gutters may require an extension kit to prevent the FRTA from closing against the rain gutter, causing fabric damage and/or improper operation. These can be obtained through Dometic.

2. On one arm assembly, place the top bracket in position over or directly under the Awning Rail as shown in FIG. 5A & 5B.

Important: When installing top mounting bracket under the Awning Rail structural backing is required.

Top mounting bracket must be installed level with awning rail. Mark the hole position for the Top Bracket and slide the assembly out of the way. Pre-drill the two holes using a 3/16" drill bit (use a 7/32" drill bit if in steel). Install Top Bracket with two #14 x 2-3/4" hex head screws. Seal where the screws enter the coach with clear silicon sealant.

3. At this point the Arm Assembly can support itself. Repeat the same procedure on the opposite arm at the same height. When doing the opposite arm, make sure the hardware is completely closed before tightening the screws. This will help in the overall alignment of the awning.
4. Before doing the next step, remove the cotter pin from the right side of FRTA. To easily remove cotter pin follow these steps:
 - a. Make sure the Safe-T-Lock™ Lever is in the **ROLL-OUT** position.



- b. Grasp the FRTA from underneath and rotate it slightly toward yourself to relieve some of the tension.
- c. Remove cotter pin and allow awning to retract slowly.

⚠ WARNING

When cotter pin is removed, springs are under tension and cylinders on arms are under pressure.

4. Bottom Mounting Bracket and Back Channel Installation

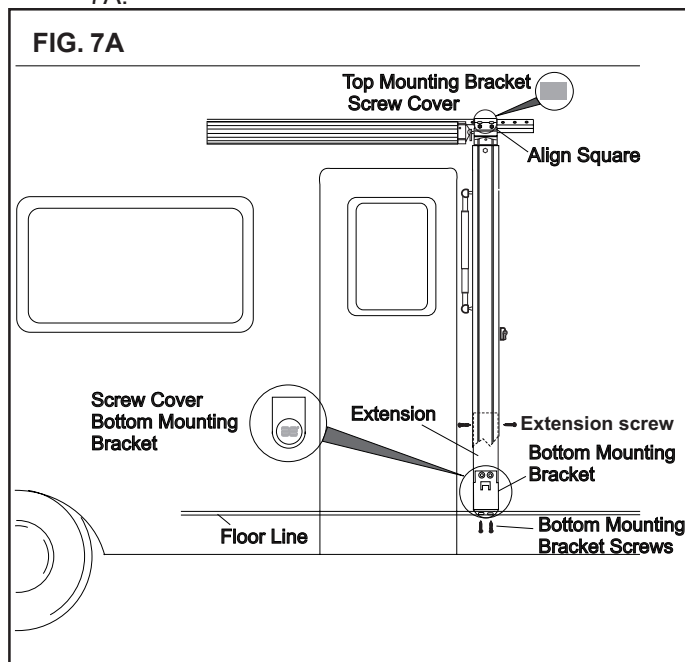
A. 760000(X).000 Standard Hardware Bottom Mounting Bracket Installation

1. Locate the floor line of the application. This is the area needed to mount the bottom brackets for maximum strength. Usually this is located just at or above the lower trim line. Place the extension inside arm assembly and adjust as needed so the mounting holes in the bracket are in line with the middle of the floor line. When the vertical location is established, the arms should be squared with the vehicle and each other. A door or window frame can be used to measure. When squared, mark the hole locations and pre-drill the holes using a 3/16" drill bit. Move the bracket into place and secure with two #14 x 2" hex head screws.

Important: Structural backing is required where mounting screws will be installed through sidewall for securing bottom mounting brackets.

2. Seal where the screws enter the coach with clear silicon sealant. Repeat the procedure for the opposite end.
3. Securing Extensions

To secure the extension, first locate the two holes on the sides of the back channel, one per side. Use these holes as a guide and use a #10 x 1/2" self drilling screw to secure the extension to the back channel. Repeat this procedure on the opposite end. See FIG. 7A.



1. Open awning approximately 1-1/2 feet. Follow Step 5, *Initial Adjustment of Awning Instructions* (A-F). This will expose the two (2) holes in the bottom of the Back Channel. See FIG. 7B. Align the Back Channel so that it is square with the vehicle and the FRTA. A door or window frame can be used to measure. Once it is square, drill two (2) 3/16" holes through the outside wall using the holes in the Back Channel as a guide. Secure Back Channel to wall with two (2) oscar rivets provided.

2. Seal where rivets enter coach with clear silicon sealant. Repeat this procedure for the opposite side.
3. Place bottom mounting bracket in position. While holding bottom mounting bracket in position drive two (2) #10 x 1/2" self drilling screws through hole in back channel and into bracket.

