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This program will address the most common system problems associated with the Sunchaser Awnings supplied by The Dometic Corporation. Our intent is to provide you with a guideline of checks to make, should you encounter one of the following symptoms.

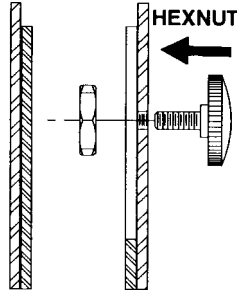
SYMPTOM	CAUSE	REFER TO
1. Black adjustment knob will not tighten	Hexnut	1.1
2. Fabric leaks at the roller tube	Stitches	2.6
3. Main support arms will not extend	Push button assembly Adjustable arm assembly	1.2 1.3
4. Awning has bulges or wrinkles where pull strap roils up	Operation	3.1
5. Awning fabric will not roll up straight	Fabric position Out of square	2.1 2.2
6. Fabric wrinkled.	Straight Tek screws Out of square	4.1 2.8 2.2
7. Fabric does not hang well	Out of square Tube deflection Tek screws Straight Stitches	2.2 2.3 2.8 4.1 2.6
8. Must lift main arm(s) to open or close the awning	stop plug Bottom mounting brackets	1.6 1.5
9. Awning arm(s) stay up against side of house when trying to open awning	Top mounting bracket Fabric position Operation	1.4 2.1 3.1
10. Awning will not roll up	Rafters Cam Black adjustment knob Torsions	1.7 2.5 1.8 2.4
11. Awning will not stay in rolled down position	Cam	2.5
12. Water leaks through fabric	Fabric	2.7



SECTION 1
HARDWARE COMPONENTS

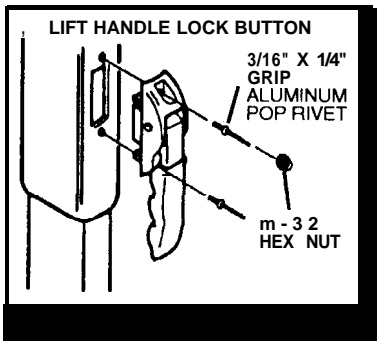
1.1 HEXNUT

The hexnut is simply a threaded fastening device used to tighten down the black adjustment knob. If the knob will not tighten, first remove the main rafter assembly from the hardware. Turn the knob to determine if the is stripped or spinning. If so, replace the hexnut. If you cannot turn the knob it will be necessary to replace both the hexnut and the black adjustment knob.



1.2 PUSH BUTTON ASSEMBLY

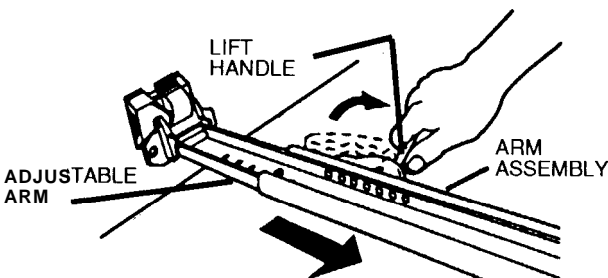
The push button assembly locks the main support arm to the adjustable arm assembly and controls the height of the awning in the open position. To check it, open the awning to full extension. Look inside the main support arm, and activate the push button to see if the locking pin is moving in and out of the hole in the adjustable arm assembly. If the locking pin does not move, or has been broken off, the push button assembly must be replaced.



At times the lock pin of the push button assembly can break off and jam between the push button housing and the adjustable arm assembly, making it difficult to extend the main support arm.

1.3 ADJUSTABLE ARM ASSEMBLY

The adjustable arm assembly allows for telescoping height adjustment of the main support arm, and it connects to the bottom mounting bracket to support



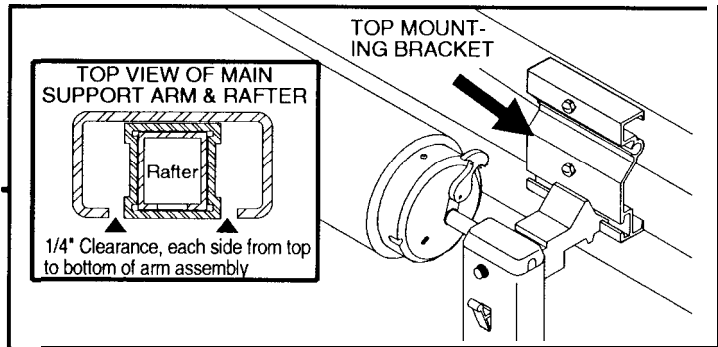
NOTE: GO-EASY is available from Sunchaser.

the weight of the awning. If the main support arm cannot be extended freely, the adjustable arm assembly should be checked. Remove the adjustable arm assembly and check for nicks, burrs, bends or twists. If any deflection is noted, the adjustable arm assembly must be replaced. For ease of operation apply GO-EASY, a special lubricant.

1.4 TOP MOUNTING BRACKETS

The top mounting bracket supports the main rafter assembly to hold the awning in the open extended position, and allows the rafter to pivot into the "C" channel of the main support arm.

The top mounting brackets have a slot where the rafter attaches, allowing them to be adjusted side-to-side at time of installation. To adjust the rafters, close the awning and sight down the main support arm and the main rafter. The clearance on each side of the rafter should be approximately 1/4 inch. If clearance is not appropriate, adjust the rafter as necessary.

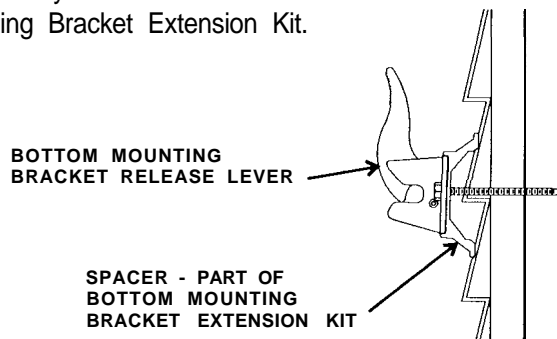


1.5 BOTTOM MOUNTING BRACKETS

The bottom mounting brackets are screwed to the side of the wall, and they support the weight of the awning. They also provide a quick release to set up the awning in the patio position. If a bottom mounting bracket settles, sags, or becomes loose it can reduce the clearance between the top casting of the torsion and the extension of the top mounting bracket, making operation difficult.

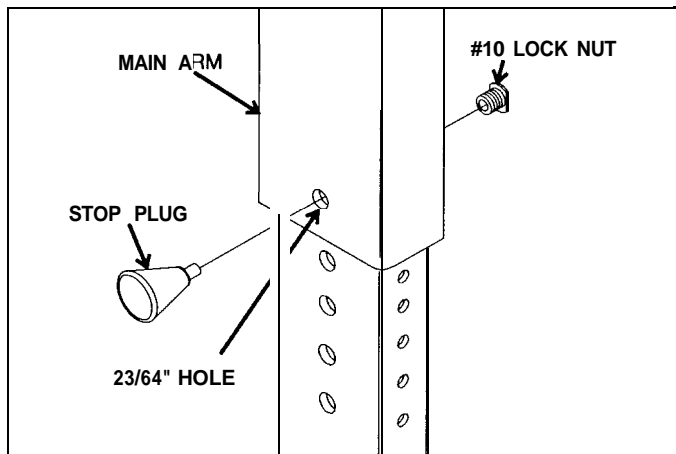
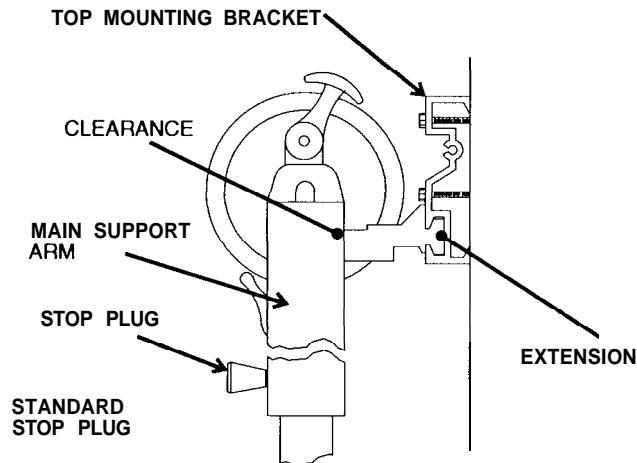
Check the bottom mounting bracket for looseness or settling, and tighten or reposition it accordingly for proper operation.

Check clearance for proper operation of the release lever on the bottom mounting bracket. According to the siding, a spacer may be needed. Order Bottom Mounting Bracket Extension Kit.



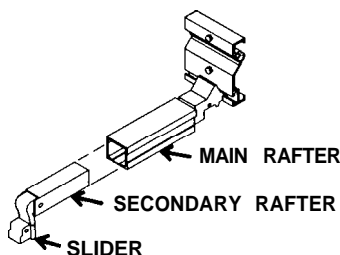
1.6 STOP PLUG

The stop plug is a mechanical stop that supports the main arm when opening and closing the awning. It controls the clearance between the top casting of the torsion to the extension of the main rafter. This clearance should be 1/4 inch to 1 inch. To adjust the clearance, raise or lower the stop plug as needed.



1.7 RAFTERS

The rafters telescope from the top mounting brackets to the main support arms to provide tension on the fabric in the full open position. If the rafters are bent or twisted, this will hinder the operation of the awning. Open the awning and remove the secondary rafter from the main support arm. Now sight down the main and secondary rafters and check for any bends, twists or deflection. If one or the other rafter is not true it should be replaced.



1.8 BLACK ADJUSTMENT KNOB

The black adjustment knob tightens the secondary rafter to the main rafter to keep the fabric taut in the full open position.

When closing the awning, the knob should not be tightened down until after the awning is rolled up and in the closed position.

Attempting to open the awning without first loosening the black adjustment knobs can damage the slider of the secondary rafter, making it difficult to open the awning.

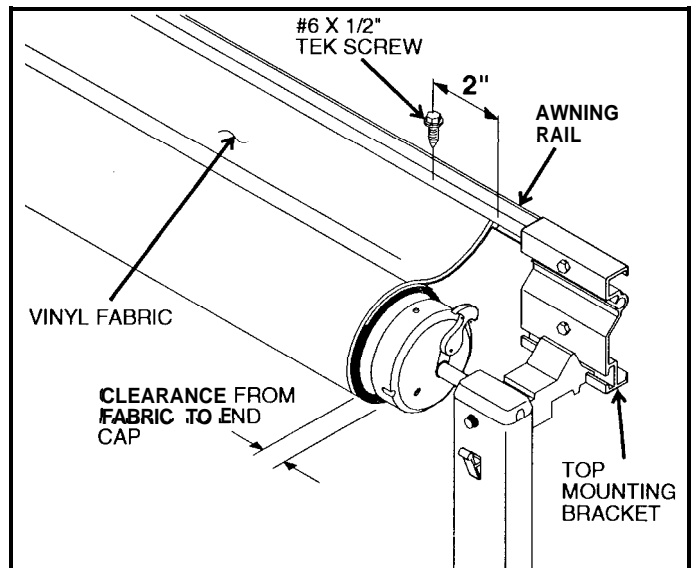
SECTION 2

FABRIC ROLLER TUBE ASSEMBLY (FRTA)

2.1 POSITION

For the awning to operate properly the fabric must be positioned properly in the awning rail and on the roller tube.

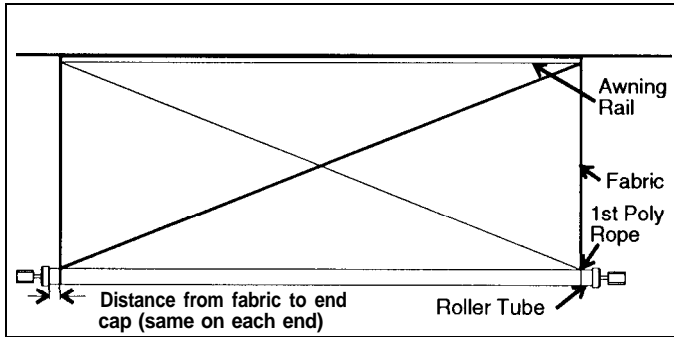
Open the awning and check the position of the fabric between the top mounting brackets. If the fabric is not centered, remove the tek screws, center it, and replace the screws.



When the fabric is properly positioned, next check the position of the fabric on the roller tube. The clearance from the end cap of the torsion assembly to the edge of the fabric must be the same on each end. If it is not, adjust the fabric on the tube as necessary.

2.2 SQUARE

If the fabric on the awning is out of square, it could cause the fabric to telescope in one direction when rolling up, or to not hang properly in the open position. To check fabric for square, measure from the top right hand corner of the fabric to the bottom left hand corner at the poly rope. Now measure from the top left hand corner to the bottom right hand corner as shown below.



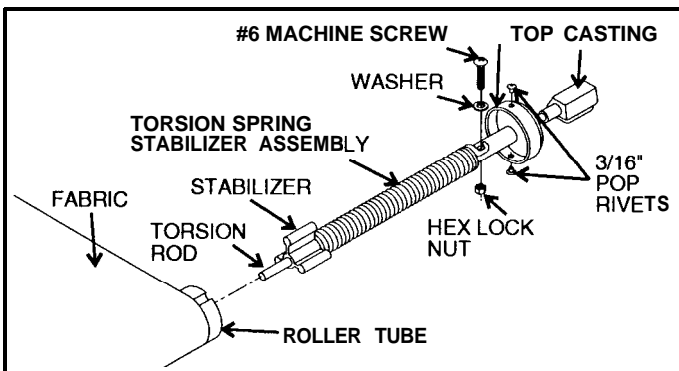
In this check, the difference of the two dimensions should be no more than one inch. If it is more, the fabric is out of square, and replacement would be necessary.

2.3 ROLLER TUBE

The roller tube is a coated 3-1/2 inch diameter tube. It has three symmetrical grooves to retain the poly ropes of the awning fabric. If the fabric appears to have more than normal sag, the roller tube deflection must be taken into consideration. Depending on the length of the awning, the roller tube can deflect from one to five inches with the awning in the open position. Installing a tension rafter will usually remove 80 per cent of sag and roller tube deflection. If the roller tube is bent, it will bounce up and down when opening and closing the awning.

2.4 TORSION

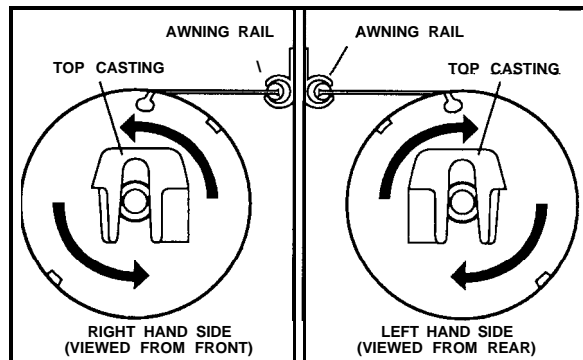
The torsion assembly has a wound coil spring which provides tension on the roller tube to roll the awning up into the closed position. The right hand torsion end cap contains a cam assembly which allows one-person set-up of the awning by preventing rollback.



When difficulties are experienced in rolling the awning up, the tension on the torsion should be checked. In most cases adding a few turns of torque to each end will correct the problem. If all tension has been lost, refer to the following chart and apply the specified number of turns as indicated. This must be done with the awning rolled up close to the awning rail of the wall.

TORSION ASSEMBLY TORQUE SPECIFICATIONS

AWNING LENGTH	NUMBER OF FULL TURNS	
	SUNCHASER	HOME AWNING
8'	8	8
9	8	8
10	8	8
11'	8	8
12'	8	8
13	9	9
14	9	9
15	10	10
16	10	10
17'	12	12
18'	12	12
19'	13	13
20'	13	13
21'	13	13
22'	14	14
23	14	14
24'	14	14
25'	14	14



When winding the torsion, be sure to wind in the proper direction.

A WARNING

SEVERE INJURIES CAN RESULT FROM THE SPINNING TOP CASTING. USE VISE GRIPS® (NEVER BARE HANDS) TO GRASP TOP CASTING WHILE LOADING TORSION.

Note: Rewinding must be done with the Awning Fabric rolled up all the way.

2.5 CAM

The cam assembly locks the roller tube from turning in one direction or the other according to which way the cam lock lever is flipped.

To check the cam lock on the Sunchaser Awning, hook the pull rod into the pull strap and try to open the awning. Be sure the cam lock lever is in the roll-up position. If the roller tube rotates 1/2 turn or more, the cam lock must be repaired or replaced.

To check the roll-down position of the cam lock, open the awning to full extension. Grasp the roller tube with your hands and try to turn the tube in the direction it will roll up. If the tube can be rotated 1/2 turn or more, the cam lock must be repaired or replaced.

2.6 STITCHES

The side hems, seams and poly ropes of the awning are stitched in with a sewing machine. At times the stitches can allow water to leak through to the inside of the roller tube. For the woven acrylic fabric of the Sunchaser Awning, Awnlife is an approved sealant available from Sunchaser.

When sewing in the poly ropes of the fabric, if a straight line is not followed it could cause the fabric to hang improperly. A close inspection of the stitching could reveal the cause of a sag or pucker.

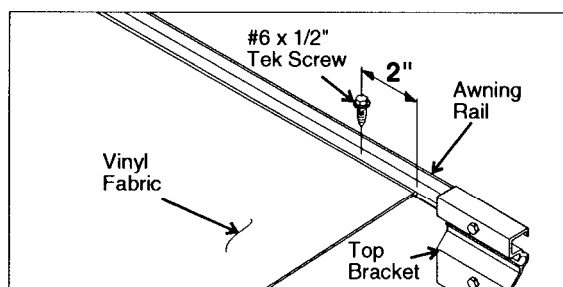
2.7 FABRIC

The Sunchaser Awning fabric is woven acrylic. It is water resistant but not waterproof. Once a year it should be cleaned with Awnbright and resealed to maintain its water resistance. Awnlife is an approved sealant for the Sunchaser fabric. Follow the directions for application of Awnbright and Awnlife available from Sunchaser.

NOTE: Avoid touching the underside of the awning fabric when it is wet, as this breaks the surface tension of the water - causing it to seep through.

2.0 TEK SCREWS

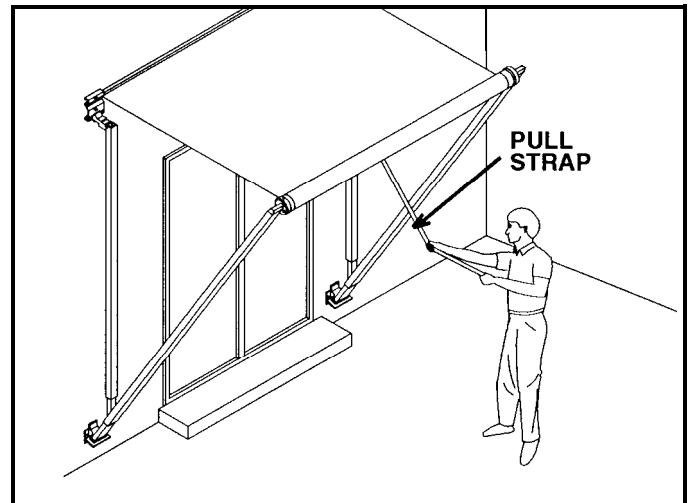
The Tek screws are the two screws installed through the awning rail on the wall. They keep the fabric from shifting in the awning rail. If one Tek screw is missing, the fabric will pull toward the remaining Tek screw causing the fabric to wrinkle.



SECTION 3 OPERATION

3.1 PULL STRAP

When closing the awning the pull strap must be rolled up at an angle from the center of the roller tube. This will keep the awning from telescoping forward or rearward, and will prevent a bulge from forming in the area where the strap is rolled up.



If the pull strap is rolled up at one end of the awning, it can cause the fabric to telescope in that direction during roll-up, and create a bulge or wrinkles at that end. This could cause the awning arm to stay against the side of the wall when trying to open.

3.2 TAUTNESS

The fabric must be taut when the awning is extended. Before tightening the black adjustment knob on the rafter, be sure to apply enough downward force on the main support arm to pull the fabric taut.

SECTION 4 AWNING RAIL

4.1 STRAIGHT

Before condemning the fabric for sags or wrinkles, the awning rail should be checked. Open the awning and sight down the rail to see if the rail or sidewall varies up, down, inward or outward. This must be taken into consideration when checking a fabric.