

ULTRA PATIO/DOOR AWNING INSTALLATION GUIDE

Rev. 03102016



RV AWNING PRODUCTS

1361 CALLE AVANZADO, SAN CLEMENTE, CA 92673 (800) 382-8442 FAX (949)276-5500

www.girardrv.com



Intertek
5000791

	GIRARD SYSTEMS 1361 Calle Avanzado, San Clemente, CA 92673 Phone: (800) 982-8442 FAX: (949) 276-5600		MODEL: XXXXXXXXXXXX
INPUT: XX VAC XXAmps XX WattsXXHz		Intertek 5000791	SERIAL NO: XXXXXXXXXXXX
CAUTION: TO PREVENT THE MOTOR PROTECTOR FROM TRIPPING DO NOT EXCEED 2 MINUTES OF OPERATION PER HOUR.		DATE: XXXXXX	
ATTENTION: POUR EVITER LA SURCHARGE DU MOTEUR, NE PAS UTILISER PLUS DE DEUX MINUTES PAR HEURE			
Conforms to UL STD 325 Certified to CSA STD C22.2 No. 247			

AWNINGS FITTED TO THIS VEHICLE;

MODEL _____	SERIAL No. _____
MODEL _____	SERIAL No. _____
MODEL _____	SERIAL No. _____
MODEL _____	SERIAL No. _____

Most awning models and sizes are available in manual or motorized operational controls



WARNING

“To reduce the risk of electric shock the operator power is to be provided from a weatherproof junction box in the case of permanent wiring, as per 314.15 of the National Electrical Code, NFPA 70.”

To prevent the motor protector from tripping do not exceed 2 minutes of operation per hour.

ALL ELECTRICAL WORK MUST BE CARRIED OUT BY QUALIFIED PERSONNEL AND CONFORM TO APPLICABLE ELECTRICAL CODES AND STANDARDS.

- Turn off power before beginning any electrical work.
- Please consult your RV's wiring diagram to locate any wiring prior to any drilling or any installation procedures.
- Ensure that placement of controls, cables, and wires are not in any way obstructed. This can damage the components and obstruct electrical current.
- Use only certified components.



Girard Systems awnings may be operated in light wind and rain conditions. When periods of heavy rain and or high wind are expected the awning must be closed. Never leave the awning open and unattended.

Damage caused by wind and rain is not covered by warranty.

All awnings must be closed prior to moving the vehicle for any reason. As an extra safety precaution a visual check that every awning is fully closed is required.

Damage caused by failure to comply with these instructions is not covered by warranty.

Before using your awning, ensure that the area into which the awning will be deployed is free of obstructions (Trees, walls, pillars, posts, other vehicles etc.)

Damage caused by collisions with any of the above or similar is not covered by warranty.

Before using your awning make sure that all of your electrical circuits are operating correctly. Recreational Vehicles can generate AC power from three separate sources. The electrical system transfer switch in your vehicle will select power for the awning as follows:

Shore Power – if connected;

Generator Power – if the generator is running;

Inverter Power – batteries must be charged for inverter operation.

Girard Systems awnings are supplied with an electric motor appropriate to the product.

Most awning models and sizes are available in manual or motorized operational controls



CONTENTS

The G–Link system	5
Basic system overview	6
Installation Guide	7
Wiring diagrams	8
A. Unpacking	10
B. Layout, mounting the brackets	11
C. Mounting the Awning to the brackets	13
D. Weather stripping Installation	15
E. Motion sensor and LED lights	16
Setting motor limit switches	17
Adjusting Elbow Height and Pitch	20
Awning Motor Failure Procedure	22
Care and Maintenance Guide	23
Ultra Drawings	25
Parts List	27

THE G–LINK SYSTEM

The G-Link motors and control modules provided by Girard Systems communicate by use of RF signals on a frequency of 433.92 MHZ. This eliminates the need for wiring and the drilling of holes in the vehicle. These components must be electronically matched or paired before use. This is usually done at the Girard Systems factory. Should the need arise for the user to pair a device with the motor controller they must refer to the appropriate manual for the devices applicable to their particular installation.



BASIC SYSTEM OVERVIEW

Your ULTRA awning consists of two main components:

1. **Mechanical system** – consisting of:

- The enclosure (or cassette) which protects the fabric while closed.
- The roller tube which is mounted within the cassette.
- The top cover or fabric rolled onto the roller tube and connected to the lead rail that extends from the cassette when the awning is opened.
- The folding arms that support the lead rail and the fabric.
- The tubular motor which is mounted inside of the roller tube which allows the awning to extend and retract.

Most awning models and sizes are available in manual or motorized operational controls

2. **Electronic controls** – (SOLD SEPARATELY)

This is specific to each individual installation. Listed below are the modules available;

- AC Motor Controllers; GC136, GC154, GC274A, GC274B, 98GC74
- DC Motor Controllers; GC732G, GC1146C
- Dry contact Module; GC1149A
- AC Ignition Retract and lock module; GC1102
- DC Ignition retract and lock module; GC946G
- Remote Handsets; GC104, GC105A, GC106, GC107, 98GC1029, 98GC1063
- Remote wall switches; 98GC229, 98GC230, GC660B, GC661B
- Motion Sensor; GC779G
- Wind Sensor (Anemometer); GC116I



INSTALLATION GUIDE

Tools required:

- Electric Drill
- Tape measure
- (2) ladders
- Socket wrench: 7/16" deep socket
- Chalk line
- Flat head screwdriver (small)
- Phillips screwdriver
- Caulking gun
- Silicone caulking
- Drill bits: 1/8", 3/8", and 7/16"
- Allen wrenches
- Open-end wrenches
- Keyhole saw

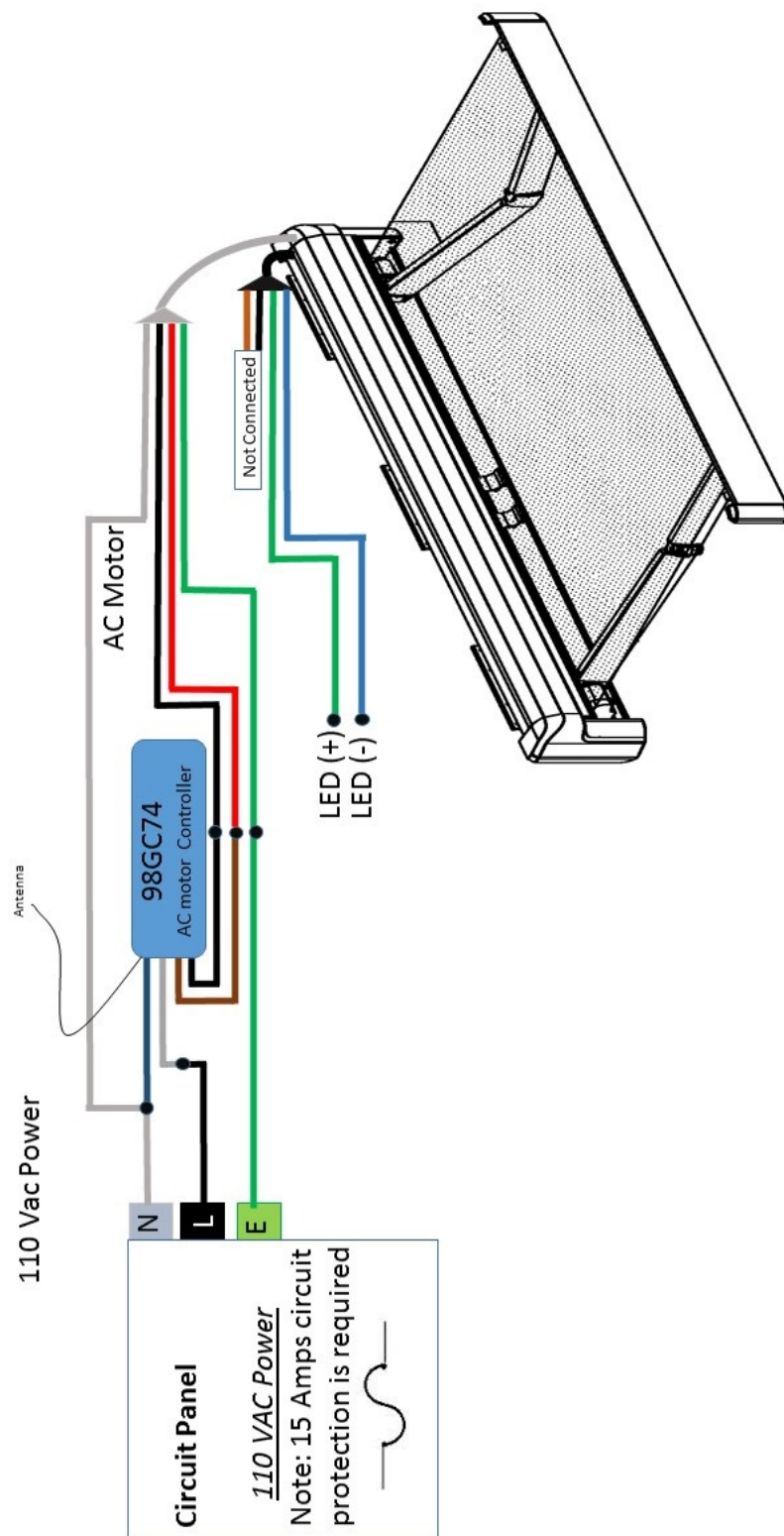


WARNING

"To reduce the risk of electric shock the operator power is to be provided from a weatherproof junction box in the case of permanent wiring, as per 314.15 of the National Electrical Code, NFPA 70." To prevent the motor protector from tripping do not exceed 2 minutes of operation per hour.

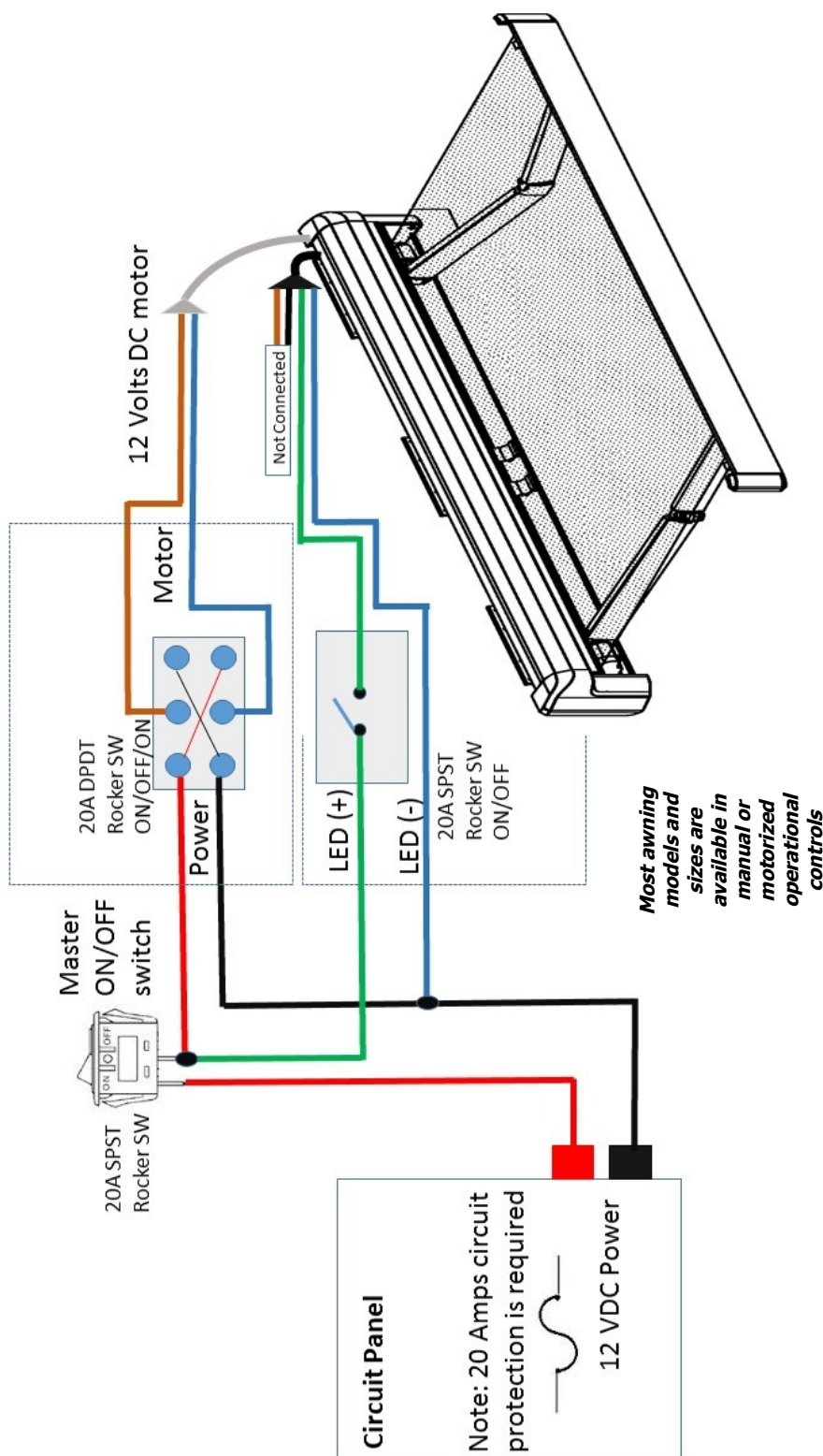
NOTE: FOR PERSONAL SAFETY AND QUALITY OF INSTALLATION, A MINIMUM OF TWO INSTALLERS IS RECOMMENDED FOR THIS PRODUCT.

ULTRA Awning with AC motor controller wiring diagram



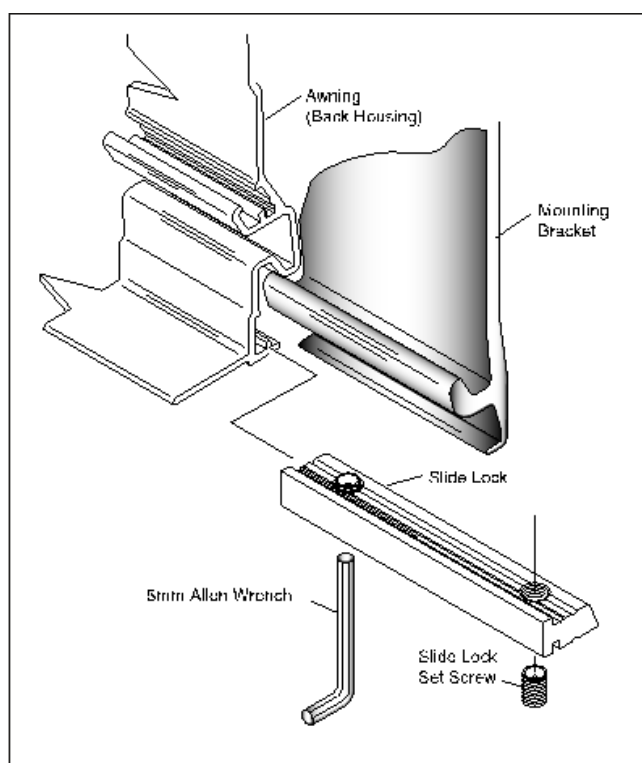
Most awning models and sizes are available in manual or motorized operational controls

ULTRA Awning 12v DC Wiring diagram with Rocker switch



A. UNPACKING

1. Before starting any of the installation procedures unpack the awning and inspect the product for any possible damage that may have occurred during shipping.
2. Before starting any of the installation procedures review the length and motor placement of your awning to ensure that it will fit in the desired location.
3. When you have determined that the product is to your satisfaction, remove the mounting brackets and place the awning in a safe location while preparing the RV.
 - a. To remove the brackets locate the slide lock that retains the bracket to the housing. (FIGURE 1)
 - b. Using a 5mm Allen wrench, loosen the set screws on the slide locks.
 - c. Once the set screws have been loosened the slide locks should be free, clear the slide lock away from the bracket.
 - d. You should now be able to remove the bracket.
4. If you have discovered any damaged or missing parts please report all issues to Girard Systems warranty and service department toll free on 800-382-8442 between 7:30am and 5:00pm P.S.T.



(FIGURE 1)



B. LAYOUT, MOUNTING THE BRACKETS

SIDEWALL APPLICATION

NOTE: Please take into consideration all possible clearances, and obstacles before installing this awning. Items such as slide rooms, lighting, trim, etc. vary from one manufacturer to another. Please consult Girard Systems if there are any questions regarding your installation.

NOTE: Please consult your RV's wiring diagram to ensure that no wiring will be damaged while drilling any holes.

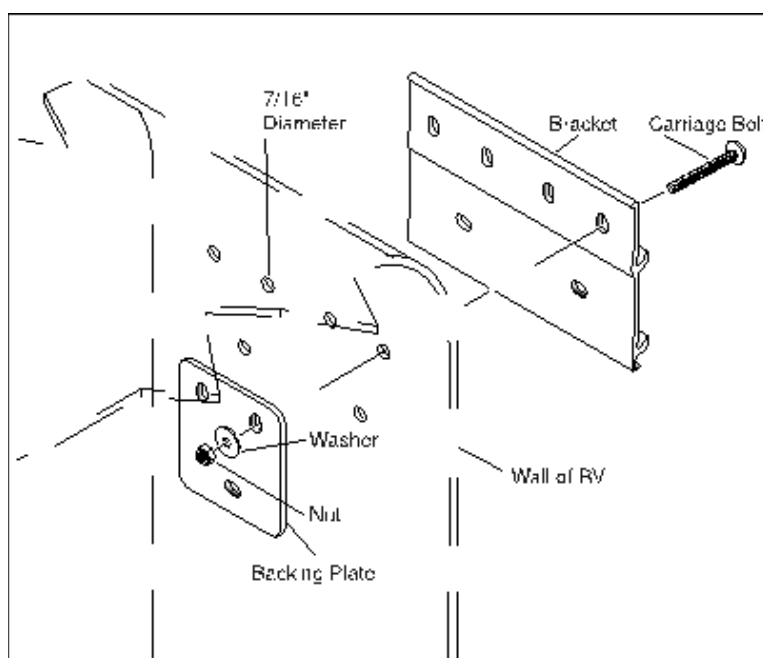
1. The mounting brackets and hardware used for this application are included with your awning.
2. Determine the location for the final installation position of the awning, including height to be installed.
3. Mounting brackets must be installed directly behind the shoulders of the awnings arms. Once you have determined the location of the two end brackets snap a chalk line between the two points to ensure alignment of the installation. You will be able to use this reference line to install the smaller center brackets when required. (as applicable)
4. The location of the middle brackets should be directly in the center of awnings that are equipped with two arms. On awnings that are equipped with three arms the brackets must be installed directly behind the shoulder of each of the awnings arms.

NOTE: Failure to follow these instructions can cause personal injury or damage to your awning. Any deviation from these instructions will void the awnings warranty.

5. Now that you have determined the bracket locations, use the bracket as your template to mark the holes for mounting the bracket.
6. Using a 1/8" bit (8" long), pilot drill the centers of the marked holes. Inside of the RV verify the locations of the backing plates. **NOTE: Please consult your RV's wiring diagram to ensure that no wiring will be damaged while drilling the hole.**
7. Pre-drill six 7/16" holes per mounting bracket through the pilot holes.



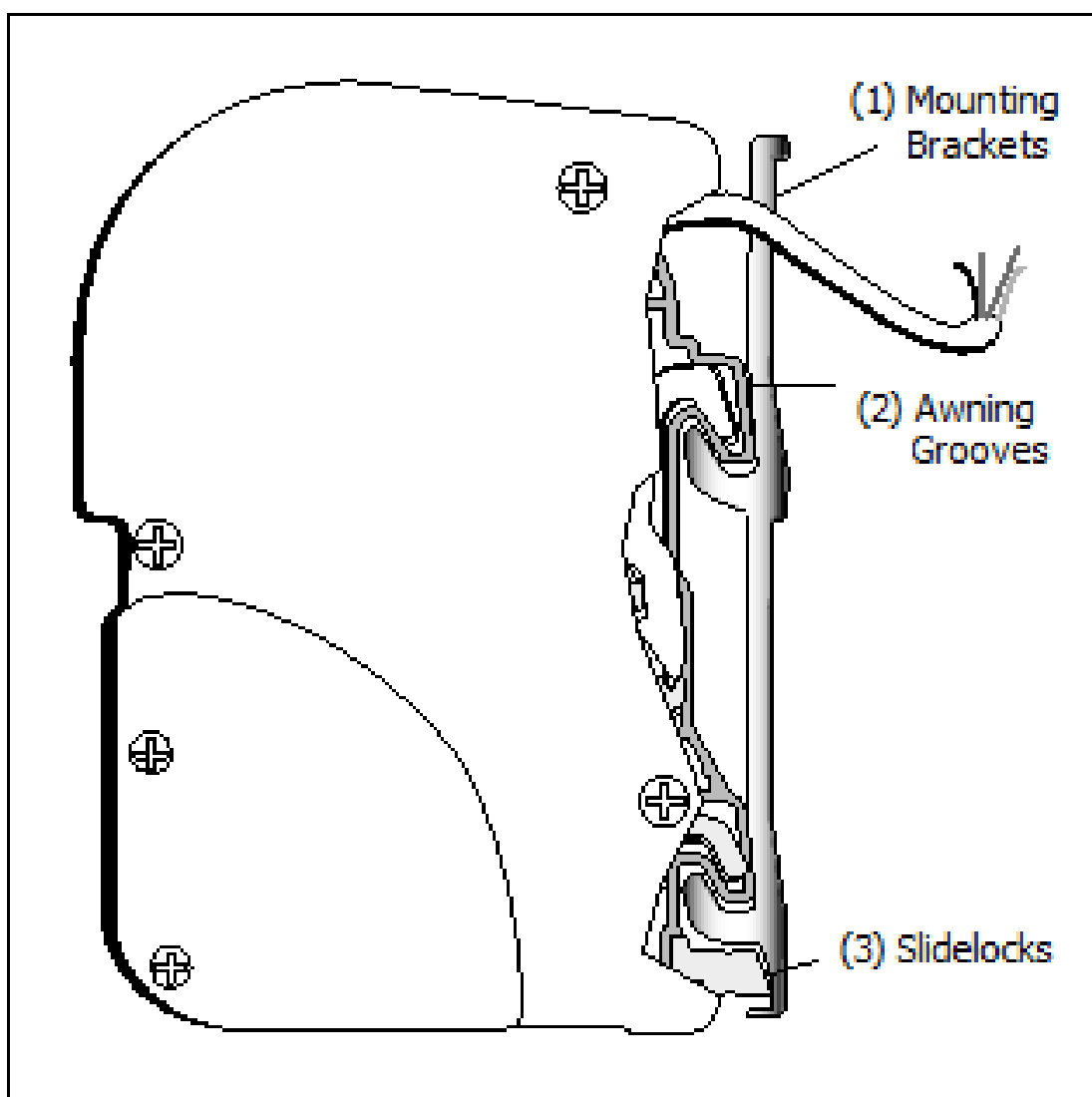
8. Apply a liberal amount of silicone caulking in and around each hole before installing the brackets.
9. Install the two (2) outer brackets, and then the center bracket with six 7/16" carriage bolts, washers, lock nuts and two backing plates per bracket. (FIGURE 2) Tighten bolts and then apply silicone caulking to the top edge and both sides of each bracket.
10. On the motor side of the awning drill a 7/16" hole for the awning motor cable to enter the RV near the electrical source. Position the hole one inch to the left or right of the bracket depending on motor location. Do not drill the hole higher or lower than the bracket. This will ensure that it will not be seen after the awning is installed.
11. Locate the 12V Motion Sensor/LED cable, and then drill a 7/16" hole for the cable to enter the RV near the electrical source. Ensure that any perforations made in the shell of the vehicle are sealed with silicone.
12. Locate the white wire grommets supplied with the awning. Place a fine bead of silicone around the body of the grommet. Slide grommet into the 7/16" hole previously drilled for the motor cable.



(FIGURE 2)

C. MOUNTING THE AWNING TO THE BRACKETS

1. Lift the awning into position for installation onto the brackets.
 - a. Ladders are usually sufficient; however, a scaffold or forklift may be used.
 - b. If using a forklift use all necessary caution to protect the surface of the awning. Lift from the center of the awning to maintain product balance while elevating.
2. Place the awning onto the brackets (FIG. 3 #8) while feeding both the motor wire and the Motion Sensor wire through their white grommets. A small amount of lubricant may aid the feeding of the wire. Make sure the grooves (FIG. 3 #2) of the awning are securely engaged into the channels on the bracket.



(Figure 3)

3. Secure the awning by moving the slide locks along the bottom awning track until they are located under their respective brackets. The final position of the slide lock should be directly under the shoulder of the arm.
4. Once the final location of the slide locks has been achieved, tighten both set screws on each slide lock with a 5mm Allen wrench.
5. One of the slide locks must have a grounding bolt fitted as shown in photo 1 below. This is to provide a safe passage to ground in the highly unlikely event of an electrical short between the motor and the awning cassette. The grounding bolt when tightened should be in contact with both the mounting bracket and the bottom of the awning cassette.

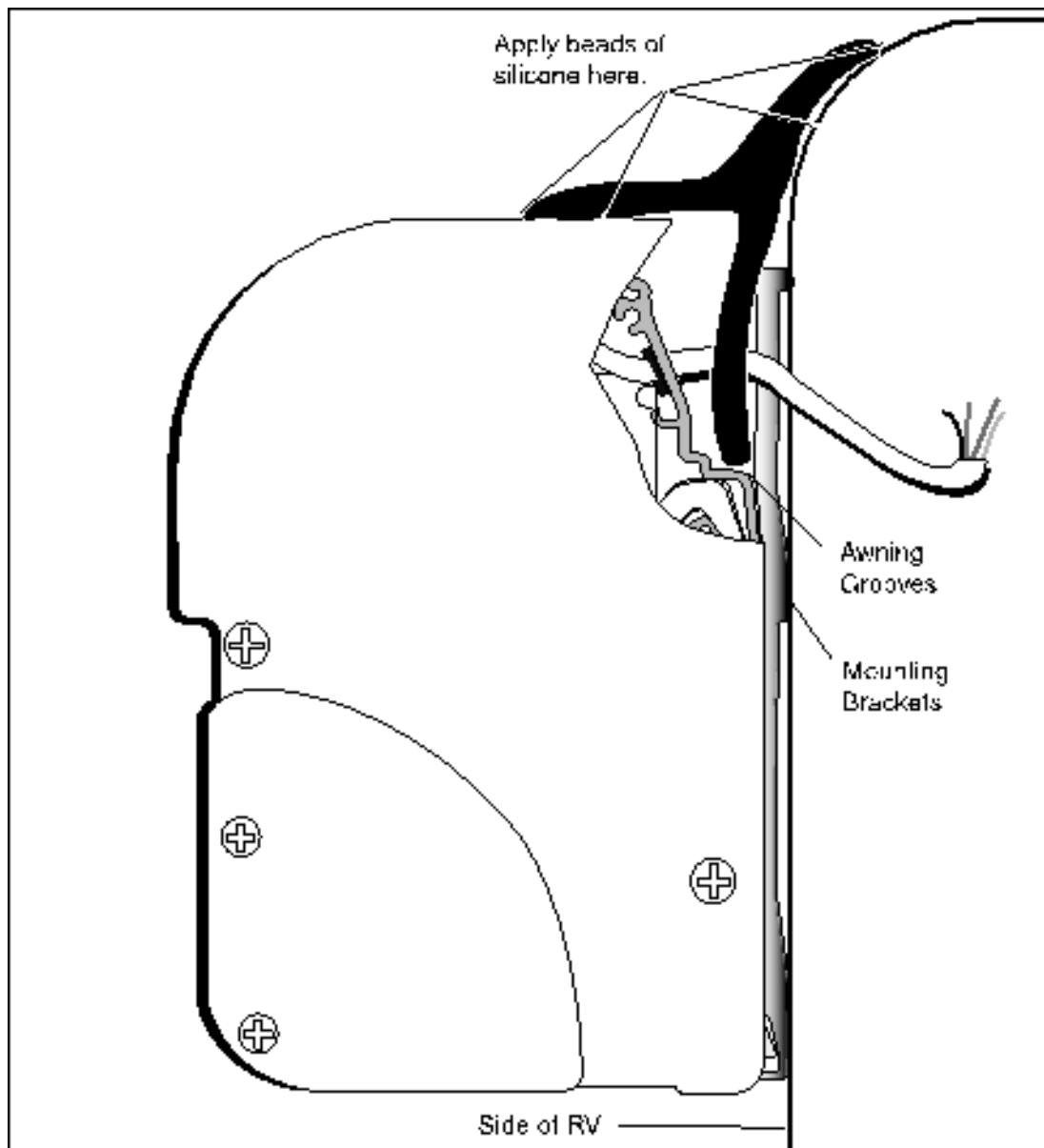


Photo 1

D. WEATHER STRIPPING INSTALLATION

(FOR SIDEWALL APPLICATIONS ONLY)

1. Trim weather stripping to the length of the awning and remove any overhang.
2. Make a small cut in the weather stripping to allow for the motor cord.
3. Apply generous beads of silicone where indicated in Figure 4.
4. Push weather stripping firmly into place.
5. Wipe off excess silicone.



(Figure 4)

E. MOTION SENSOR and LED LIGHTS

MOTION SENSOR (Hard wired to a constant 12V connection)

The Motion Sensor will come from the Girard Systems factory pre-programmed. Should the need arise for the owner to reprogram the device instructions can be found in the Motion Sensor manual.

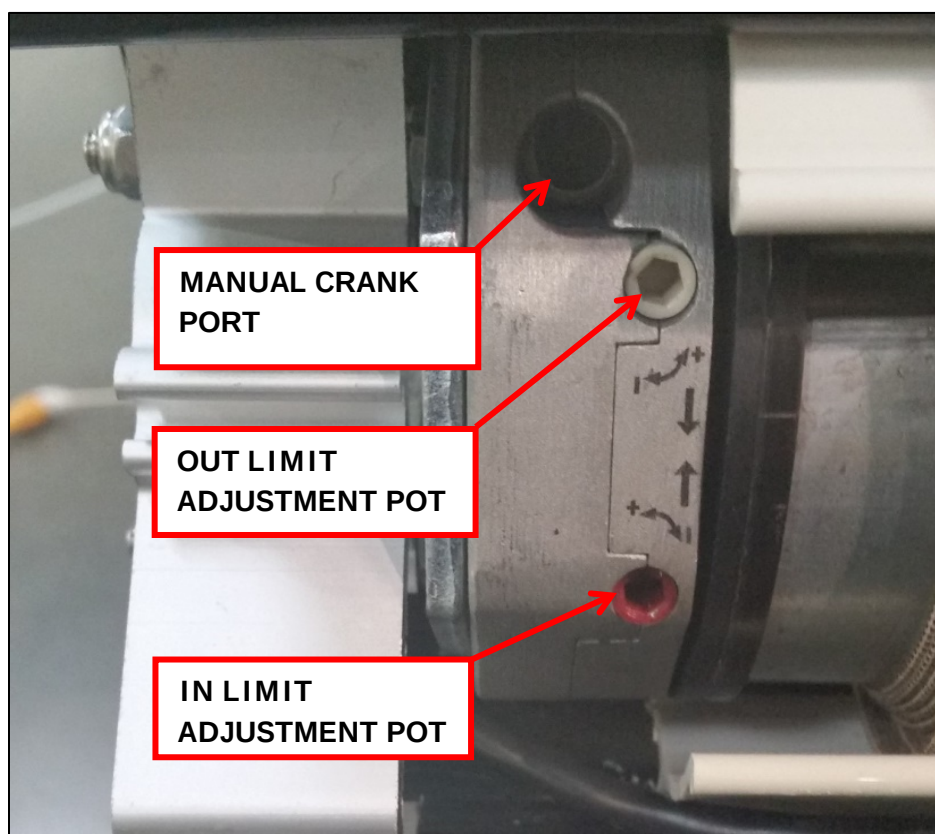


GC779G Motion Sensor

LED LIGHTS (Hard wired to a switch or DC motor controller)

1. The LED lights will come from the factory pre-installed.
2. The two wires for the LED light are contained within the cable for the Motion Sensor. (See wiring diagram on page 6 of this manual)
3. The LED light wiring contained within the Motion Sensor cable should be connected to switched 12V power source.
 - a. 120V AC ULTRA – Run wiring to a separate 12v wall mounted ON/OFF switch.
 - b. 12V DC ULTRA – Run wiring to the DC Motor Controller. (See instructions provided with DC Motor Controller).

SETTING MOTOR LIMIT SWITCHES



TOOLS REQUIRED;

Plastic key provided with awning or 4mm (5/32") Allen wrench.

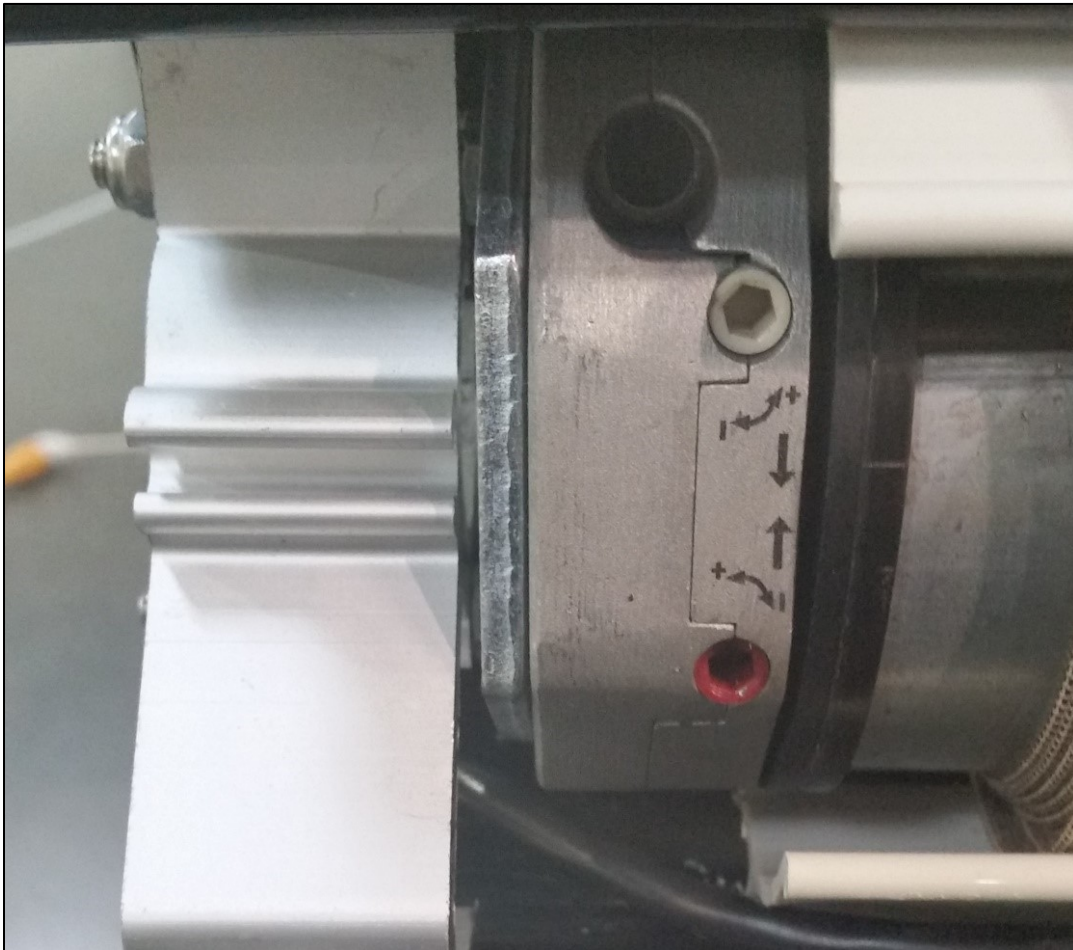
Correct setting of the motor limit switches is extremely important. The motor must stop at the exact point of full retraction or extension. Failure to do this will result in either the awning not fully opening or closing, or the motor continuing to run when the awning reaches its physical limits. The latter condition will lead to premature failure of the motor.

Limit switches are correctly set at the factory prior to shipment. Over time the awning fabric will stretch and whenever the motor may need to be replaced adjustments will need to be made.

The IN limit switch should stop the motor at the exact moment that the lead rail meets the awing cassette. The OUT limit switch should stop the motor at the exact moment that the arms reach the fully extended position (90 Degrees).

Most awning models and sizes are available in manual or motorized operational controls

OUT LIMIT SWITCH



RH mounted motor Red = IN Limit, White = OUT Limit.

LH mounted motor Red = OUT Limit, White = IN limit.

1. Using the awning control extend the awning until the motor stops.
2. Locate the limit switch adjustment ports and note the directional arrows and the (+) and (-) symbols.
3. If the Lead rail has gone past 90 Degrees when the motor stops, rotate the OUT limit switch adjuster toward the (-) symbol until the correct angle is achieved.
4. If the Arms are not fully extended when the motor stops, rotate the OUT limit switch adjuster toward the (+) symbol until the exact point that the arms reach the fully extended position.

Close the awning about 1/2 way then use the extend control to check that the awning motor stops at the correct point. Repeat steps 1-4 as required.

Most awning models and sizes are available in manual or motorized operational controls



IN LIMIT SWITCH

1. From the extended position using the awning controls, retract the awning but press STOP when the awning is about 6" from the closed position.
2. Locate the IN limit switch adjuster, and then using an Allen wrench or the adjustment key provided rotate the IN limit switch adjuster approximately 20 turns toward the (-) symbol. This will ensure that the limit switch stops the motor before the awning is fully closed.
3. Extend the awning about 12 inches.
4. Press the retract button / Switch and observe where the awning stops.
5. If the Awning CLOSES at this point press stop immediately, extend the awning about 3" and then rotate the IN limit switch adjuster another 10 turns toward the (-) symbol.
6. Repeat steps 3-5 until the awning stops about 3" from the fully closed position.
7. Now with the awning stopped about 3" from closed. The final adjustment requires an estimated adjustment of the limit switch to make sure that it stops the motor at the exact moment that the lead rail meets the awning cassette
8. Rotate the IN limit switch adjuster approximately 3/4 turn toward the (+) symbol. Each 1/4 turn toward the (+) symbol will allow the limit switch to stop the motor about 1" further toward the fully closed position.
9. Press the RETRACT button / switch and observe where the lead rail stops.
10. If the awning does not fully close then the final adjustment was too little, if the awning pulls closed tight and the motor is still trying to turn then the final adjustment was too great.
11. Open the awning about 3" and make tiny adjustments to the limit switch IN (+) or OUT (-) as required and then close the awning and observe when the motor stops.
12. Repeat step 11 until the motor stops in the correct position.



ADJUSTING ELBOW HEIGHT and PITCH

NOTE; Adjustment of the Elbow height and pitch, will affect the height of the awning lead rail when it is fully deployed. Ensure that when making any of these adjustments the final height of the lead rail is no less than 7' (84"). This adjustment is usually required after an arm replacement. Also if the elbow of the arm hits the bottom of the casing as the lead rail closes.

The shoulder assembly in the Ultra Awnings has been designed in such a way that no adjustment to the elbow height should be required. Therefore no method of adjustment has been provided. To adjust the awning pitch, follow the directions below.

Tools Required

- 4mm Allen Wrench
- 19mm Open end and Ring wrench X 2

PITCH ADJUSTMENT

1. Fully extend the awning.
2. On the selected shoulder assembly, loosen the cover securing screw indicated in Figure 1 on the next page, and then slide the cover away from the shoulder assembly.
3. Refer to figure 2 on the next page. Using the 2 wrenches Hold the head of the bolt on the left of the shoulder assembly, and then loosen the nut and the set screw on the right side of the shoulder assembly.
4. Using the open end of one of the 19mm wrenches turn the Pitch adjustment screw to the Right or left to Raise or lower the pitch of the awning.
5. After any adjustment is made Tighten up the nut and set screw on the left of the shoulder assembly and then fully open and close the awning to asses of the adjustment is satisfactory.
6. Repeat steps 1 – 5 above until desired awning pitch is achieved.



Figure 1

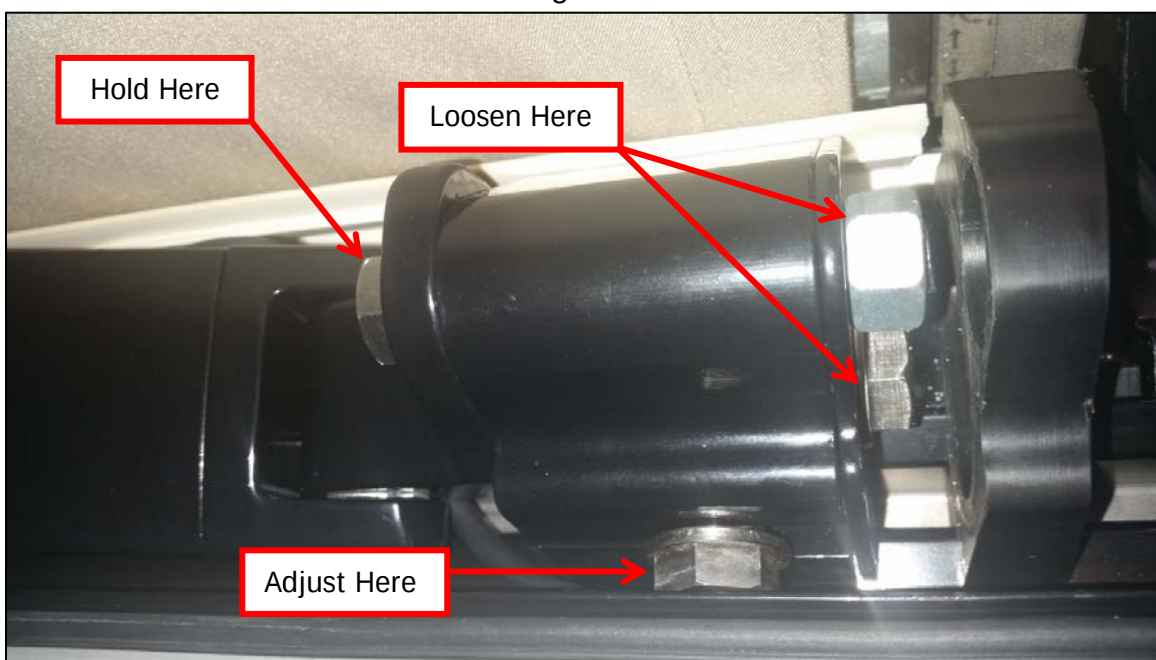


Figure 2



AWNING MOTOR FAILURE PROCEDURE

If the awning motor fails to operate when the awning is required to retract, follow the instructions below and then proceed to a service center for repair.

Large zip ties or suitably sized load straps will be needed and a standing platform will need to be improvised to gain access to the awning.

1. Pushing alternately on the left and right corners of the lead rail, force the lead rail in towards the main housing.
2. As the lead rail moves in the fabric will sag and should be folded in layers to ensure that it will fit inside the awning housing.
3. When the awning has been forced to as close to fully closed as possible and the fabric has been folded in, pass the zip ties or load straps behind the awning housing and fasten them around the front of the lead rail while continuing to force the awning closed as much as possible.
4. Now proceed to the nearest service center for repair.

NOTE; Girard Systems will not accept liability for damage caused if the awning reopens on route to the service center.

Girard systems will not accept liability for any personal injury suffered while closing the awning.



CARE AND MAINTENANCE GUIDE

AWNING FABRICS

For all cleaning, stain removal, care and maintenance of Acrylic and Polyester fabrics the recommendations are the same.

Fabric Care Guidelines

1. Brush off surface dirt with a clean soft bristle brush.
2. Hose down the fabric with clean water.
3. Use only natural soap or dishwashing liquid.
4. Prepare soap mixture in a clean bucket.
5. Dunk a clean, soft bristle brush into the mixture.
6. Use sweeping motions to clean the awning.
7. Allow soap to soak in and capture dirt.
8. Rinse thoroughly to remove all residues.

AIR DRY ONLY! Pressing, steaming, or machine drying will shrink awning fabric.

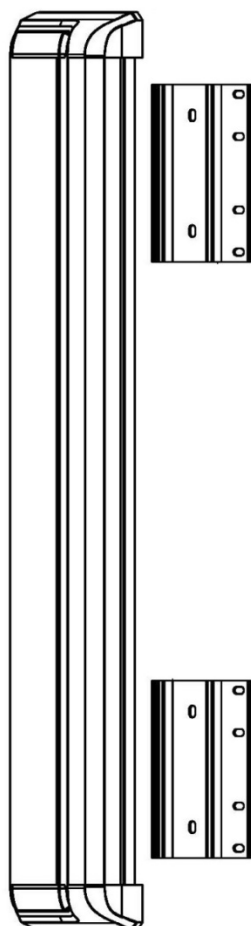
STAIN SOLUTIONS

<u>STAIN</u>	<u>RECOMMENDED CLEANING SOLUTIONS</u>
BEER	Dishwashing liquid (2 oz.)/1 gallon water/white vinegar (3 oz.)
BERRY	Dishwashing liquid (2 oz.) /1 gallon water / ammonia (4-8 oz.)
BIRD DROPPINGS	Dishwashing liquid (2 oz.)/1 gallon water.
BLOOD (DRIED)	Dishwashing liquid (2 oz.) / 1 gallon water / ammonia (4-8 oz.)
BUTTER	volatile solvent (acetone) 100%
CHARCOAL, PENCIL MARKS	vacuum, then dishwashing liquid (2 oz.) / 1 gallon water
CATSUP OR MUSTARD	Dawn® dishwashing liquid (2 oz.) / 1 gallon water
CHEWING GUM	volatile solvent (acetone) 100%
CHOCOLATE	Dishwashing liquid (2 oz.) / 1 gallon water / ammonia (4 oz.)
COFFEE	Dishwashing liquid / water, white vinegar, acetone
COLA	Dishwashing liquid (2 oz.) / 1 gallon water
CRAYON	Paint remover (100%), oil or grease remover (mix as directed)

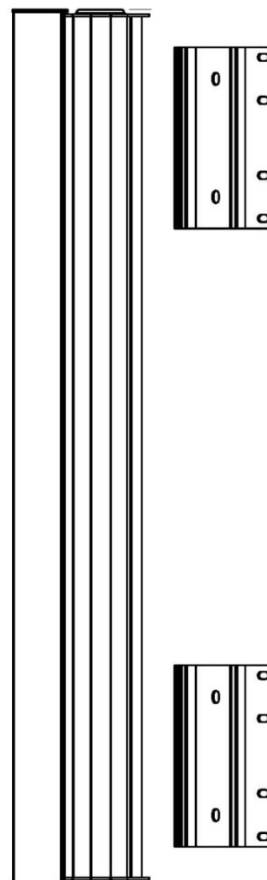


EGG (RAW)	Dishwashing liquid (2 oz.) / 1 gallon water
GRAPE JUICE	Dishwashing liquid (2 oz.) / 1 gallon water
GRAVY	Dishwashing liquid (2 oz.) / 1 gallon water
GREASE (CAR)	volatile solvent (acetone) 100%
INK (PERMANENT, INDIA, BALLPOINT)	Paint remover (100%), volatile solvent (acetone) 100%, soap and water
IRON RUST	Oxalic or Citric acid (2oz.) / 1 gallon water
LIPSTICK	Paint remover, oil or grease remover (mix as directed)
MASCARA	Paint remover (100%), volatile solvent (acetone-100%), dishwashing liquid (2 oz.) / 1 gallon water
MILDEW	Bleach (1/2 cup) /dishwashing liquid (2 oz.) / 1 gallon water
MILK	Dishwashing liquid (2 oz.) / 1 gallon water
NAIL POLISH	volatile solvent (acetone) 100%
OIL	volatile solvent (acetone) 100%
ORANGE DRINK	Dishwashing liquid (2 oz.) / 1 gallon water
PAINT (LATEX) WET	Dishwashing liquid (2 oz.) / 1 gallon water
PAINT (LATEX) DRIED	Paint remover (100%), oil or grease remover (mix as directed)
PAINT (OIL OR LACQUER)	Paint remover (100%), oil or grease remover (mix as directed)
SHOE POLISH (LIQUID)	volatile solvent (acetone) 100%
SHOE POLISH (WAX)	apply heated iron over towel, volatile solvent (acetone) 100%
SUNTAN LOTION	Pine oil detergent / water (mix as directed)
TEA	Dishwashing liquid (2 oz.) / 1 gallon water
TOMATO JUICE	Dishwashing liquid (2 oz.) / 1 gallon water
TREE SAP	Turpentine (100%), dishwashing liquid (2 oz.) / 1 gallon water
URINE	Dishwashing liquid (2 oz.)/1 gallon water/white vinegar (3 oz.)
VOMIT	Dishwashing liquid (2 oz.)/1 gallon water/white vinegar (3 oz.)
FOOD COLOR	Dishwashing liquid (2 oz.)/1 gallon water/white vinegar (3 oz.)
WAX (CANDLE)	apply heated iron over towel, volatile solvent (acetone) 100%
WINE	Dishwashing liquid (2 oz.) / 1 gallon water / ammonia (4-8 oz.) / white vinegar (3 oz.)

ULTRA AWNING DRAWINGS

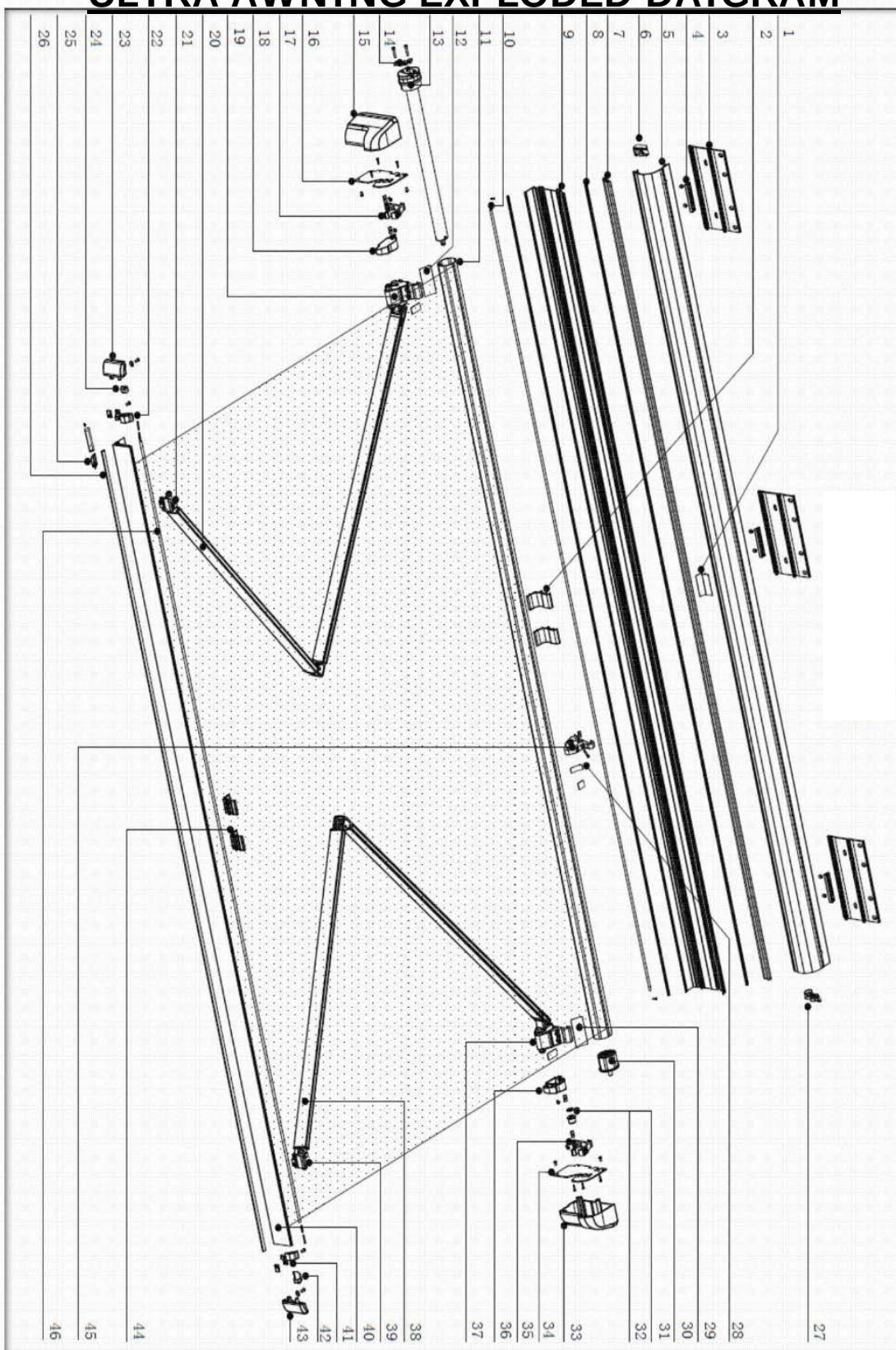


60" * 1M



56" * 0.8M

ULTRA AWNING EXPLODED DAIGRAM





ULTRA AWNING PARTS LIST

1	Fabric Support Clip	5108001-01
2	Main Housing Gutter Clip	5102100-02
3	Mounting Bracket	5106110-03
4	Mounting Bracket Slide Lock	5106111-04
4-01	Screw Mounting Bracket Slide Lock Hex Socket Set Screw	SCREW-A533
5	Main Housing Cover 60"	5102105-B05
5	Main Housing Cover 12'	5102112-B05
5	Main Housing Cover 14'	5102114-B05
5	Main Housing Cover 16'	5102116-B05
5	Main housing Cover 18'	5102118-B05
6	Main Housing Waterproof Cap LH	5102166-06
7	Main Housing Fabric Gutter (Sold / Foot)	5102101-07
8	Rubber Gasket (Sold / Foot)	5102102-08
9	Back Housing 60"	5102305-B09
10	Poly Rope 4mm, Housing Side (Sold / Foot)	5108040-10
10-01	Screw Poly Rope Cross Rec. Pan Head W Tapping Screws	SCREW-A423
11	Roller Tube 60"	5102405-11
11	Roller Tube 12'	5102412-11
11	Roller Tube 14'	5102414-11
11	Roller Tube 16'	5102416-11
11	Roller Tube 18'	5102418-11
12	Fabric Guide Strip (Sold / Foot)	5108110-12
13	Motor *See Replacement Motors	
14	Motor Bracket	5109701-14
14-01	Screw Motor Bracket Hex Socket Head Cap Screw	SCREW-A25
15	Main Housing End Cap LH	5101121-B15
15-01	Screw End Cap Hex Socket Button Head Screw	SCREW-A188
16	Main Housing End Cap Lock Plate LH	5101121-B16
16-01	Screw MH End Cap Lock Plate Cross Recessed Pan Head	SCREW-A07
17	Main Housing Spider Bracket LH	5101121-B17
17-01	Screw MH Spider Bkt. Hex Socket Head Cap Screw	SCREW-A24
17-02	Main Housing Spider Bkt. Stop Block	SCREW-082
18	Shoulder Angle Guide LH	5101523-B18
18-01	Shoulder Angle Glide Stop Block	SCREW-082
18-02	Screw Shoulder Angle Glide Hex Socket Button Head Screw	SCREW-A188
19	Shoulder Bracket LH	5105523-B19
20	Arm 8' LH BLK	5105308-B20
20-01	Arm 10' LH BLK	5105310-B20
21	Lead Rail Connector LH	5105223-B21
22	Lead Rail Guide LH	5102222-B22



22-01	Screw Lead Rail Guide Hex Socket Button Head Screw	SCREW-A188
22-02	Lead Rail Guide Stop Block	SCREW-060
23	Lead Rail End Cap LH	5101131-B23
23-01	End Cap Lead Rail Product Grade A	SCREW-D52
23-02	Screw End Cap Hex Socket Button Head Screw	SCREW-A188
24	Lead Rail Waterproof Cap LH	5102223-24
25	Motion Sensor	98GCK-WH12
25-01	Motion Sensor Stop Block	SCREW-027
25-02	Screw Motion Sensor Cross Recessed Pan Head With	SCREW-A04
26	LED Light Package 60"	5109805-26
26	LED Light Package 12'	5109812-26
26	LED Light Package 14'	5109814-26
26	LED Light Package 16'	5109816-26
26	LED Light Package 18'	5109818-26
27	18'Main Housing Waterproof Cap RH	5102166-27
28	Fabric Guide Center	5108110-28
29	Fabric Guide Gudgeon Side	5108110-29
30	Gudgeon	5108118-30
31	Bushing	5108111-31
32	Plastic Washer	5108112-32
33	Main Housing End Cap RH	5101122-B33
33-01	Screw End Cap Hex Socket Button Head Screw	SCREW-A188
34	Main Housing End Cap Lock Plate RH	5101122-B34
34-01	Screw MH End Cap Lock Plate Cross Recessed Pan Head	SCREW-A07
35	Main Housing Spider Bracket	5101122-B35
35-01	Screw MH Spider Bkt. Hex Socket Head Cap Screw	SCREW-A24
35-02	Main Housing Spider Bracket Stop Block	SCREW-082
36	Shoulder Angle Guide RH	5101523-B36
36-01	Shoulder Angle Glide Stop Block	SCREW-082
36-02	Screw Shoulder Angle Glide Hex Socket Button Head Screw	SCREW-A188
37	Shoulder Bracket RH	5105524-B37
38	Arm 8' RH BLK	5105408-B38
38-01	Arm 10' RH BLK	5105410-B38
39	Lead Rail Connector RH	5105224-B39
40	Lead Rail 60"	5102205-B40
40	Lead Rail 12'	5102212-B40
40	Lead Rail 14'	5102214-B40
40	Lead Rail 16'	5102216-B40
40	Lead Rail 18'	5102218-B40
41	Lead Rail Guide RH	5102222-41
41-01	Screw Lead Rail Guide Hex Socket Button Head Screw	SCREW-A188
41-02	Lead Rail Guide Stop Block	SCREW-060



42	Lead Rail Waterproof Cap RH	5102223-42
43	Lead Rail End Cap RH	5101132-B43
43-01	End Cap Lead Rail Product Grade A	SCREW-D52
43-02	Screw End Cap Hex Socket Button Head Screw	SCREW-A188
44	Lead Rail Elbow Guide	5102205-44
45	Roller Tube Support Bracket	5102400-B45
45-01	Screw Roller Tb Support Bkt. Hex Socket Head Cap Screw	SCREW-A26
45-02	Roller Tube Support Bracket Stop Block	SCREW-082
46	Poly Rope 6.5mm Lead Rail Side (Sold P. Ft.)	5108065-46
46-01	Screw Poly Rope Cross Rec. Countersunk Head Tapping	SCREW-A349
46-02	Poly Rope 6.5mm Plastic Cement Expansion Bolt	SCREW-075

REPLACEMENT FABRIC

Fabric assembly 56" X " Ultra	
Fabric assembly 60" X 39" Ultra	8000010-06
Fabric assembly 12' X 8' Ultra	8000025-12
Fabric assembly 14' X 8' Ultra	8000025-14
Fabric assembly 16' X 8' Ultra	8000025-16
Fabric assembly 18' X 8' Ultra	8000025-18
Fabric assembly 12' X 10' Ultra	8000030-12
Fabric assembly 14' X 10' Ultra	8000030-14
Fabric assembly 16' X 10' Ultra	8000030-16
Fabric assembly 18' X 10' Ultra	8000030-18

REPLACEMENT MOTOR

13	Motor Assy 45-50 w/MO	97GA45M-50
13	Motor Assy 45-50 12V w/MO	97GA45DM-50
13	Motor Assy 45-35 12V - for Door Awning	97GA45DS-35



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