

WINDOW AWNING

G-2085

INSTALLATION, SERVICE & REPAIR

REV.01272016



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) 962-8442 FAX: (949) 276-5600



MODEL: XXXXXXXXXXXXXXXX

INPUT: XX VAC XXAmps XX WattsXXHz

CAUTION:
TO PREVENT THE MOTOR PROTECTOR FROM TRIPPING DO NOT EXCEED 2 MINUTES OF OPERATION PER HOUR.

Intertek
5000791

SERIAL NO: XXXXXXXXXXXXXXXX

ATTENTION:
POUR EVITER LA SURCHARGE DU MOTEUR, NE PAS UTILISER PLUS DE DEUX MINUTES PAR HEURE

Conforms to UL STD 325

Certified to CSA STDC22.2 No. 247

DATE: XXXXXX

AWNINGS FITTED TO THIS VEHICLE;

MODEL _____ SERIAL No. _____

MODEL _____ SERIAL No. _____

MODEL _____ SERIAL No. _____

MODEL _____ SERIAL No. _____



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.



WARNING

- Follow installation instructions carefully.
- Awning arms are packaged under heavy spring tension.
- To avoid serious personal injury do not remove protective wrapping until directed to do so.

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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, programmed 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.

PRODUCT DESCRIPTION

The G-2085 Automatic window awning system provides outstanding performance and protection for your RV against harmful UV rays at the touch of a button. The awning cassette measures 4 5/8" tall by 3 3/8" deep and is available in a large variety of lengths giving your window a clean streamlined appearance when not in use.

INSTALLATION GUIDE

Before beginning to install the awning please ensure the following;

- The vehicle is parked and leveled on suitable hard standing.
- Suitable precautions have been taken to protect the vehicle from accidental damage.
- The area of the vehicle where the awning is to be installed has been prepared.
- Sufficient manpower, a minimum of 2 persons is required.
- Suitable protective clothing is worn by the persons doing the installation.
- Suitable and serviceable lifting and holding equipment should be used to avoid personal injury.
- When mounting fixtures to the vehicle be aware that the soft materials that the skin of the vehicle is made from can be torn out or "Stripped" by the over tightening of fasteners.

DO NOT OVER TIGHTEN FIXING BOLTS/SCREWS.

- Make every effort to ensure that fasteners are mounted to the structural framework of the vehicle not just the skin.
- Any holes made in the skin of the vehicle must be sealed with silicone sealant, putty tape or similar product.



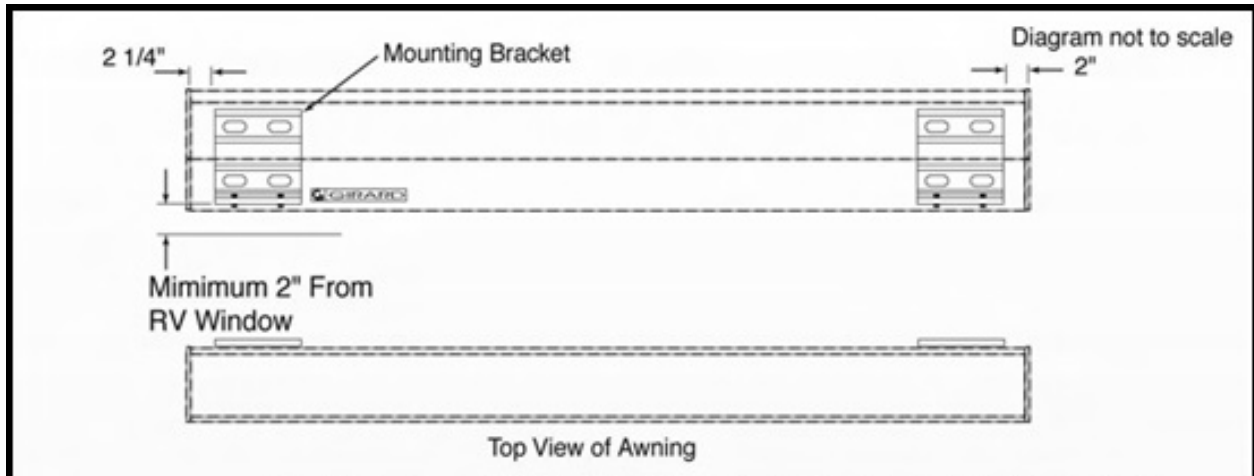
NOTE: FOR PERSONAL SAFETY AND QUALITY OF INSTALLATION, A MINIMUM OF TWO INSTALLERS ARE RECOMMENDED FOR THIS PRODUCT.

Tools required:

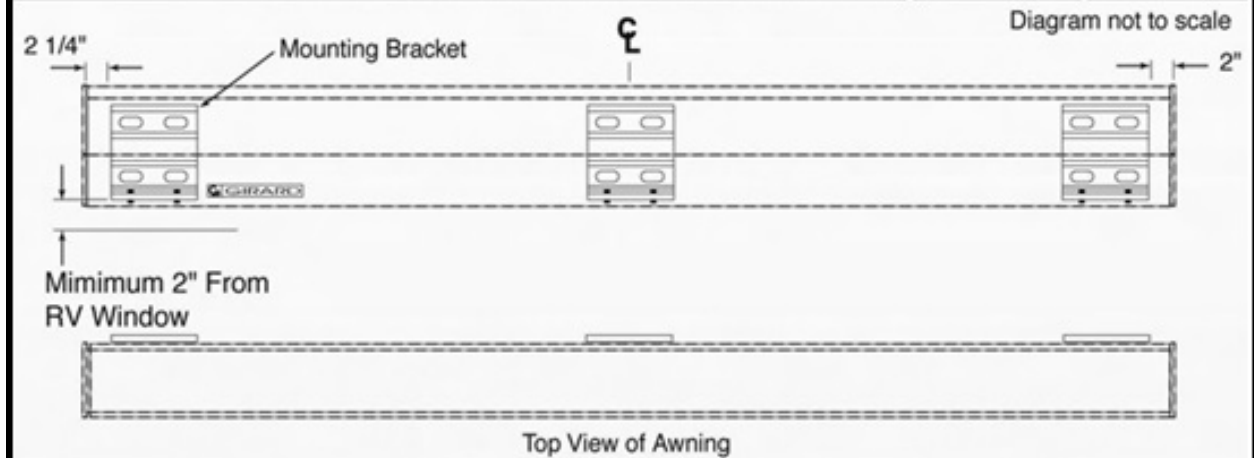
- Electric Drill
 - Tape measure
 - (2) ladders
 - Chalk line
 - Flat head screwdriver (small)
 - Phillips screwdriver
 - Caulking gun
 - Silicone caulking
 - Drill bits: 1/8", 3/8", and 7/16"
 - Allen wrenches
 - Open-end wrenches
 - Keyhole saw
1. Mark a horizontal chalk line 2" above the window frame where the awning is to be fitted. The line should be a few inches longer than the awning, and the awning should be about 12" wider than the window it is intended to shade.
 2. Use the Bracket placement chart to plot the position of the mounting brackets. Ensuring that the awning will be correctly aligned and centered above the window.
 3. Ensure that the outer brackets will be level and no less than 2" above the top of the window, and no less than 2" in from the end of the Awning casing.
 4. Fix the mounting brackets to the sidewall of the vehicle using suitably sized hardware (We recommend #12 X 1 1/2" Stainless steel Self-tapping screws) remembering to seal all holes made in the skin of the vehicle with silicone sealant or similar product.
 5. Make note of which side of the awning the motor is on and drill a 5/16" hole in the sidewall for the power cable. The hole should be made level with the top edge of the outer bracket and 1" in from the end of the awning casing.



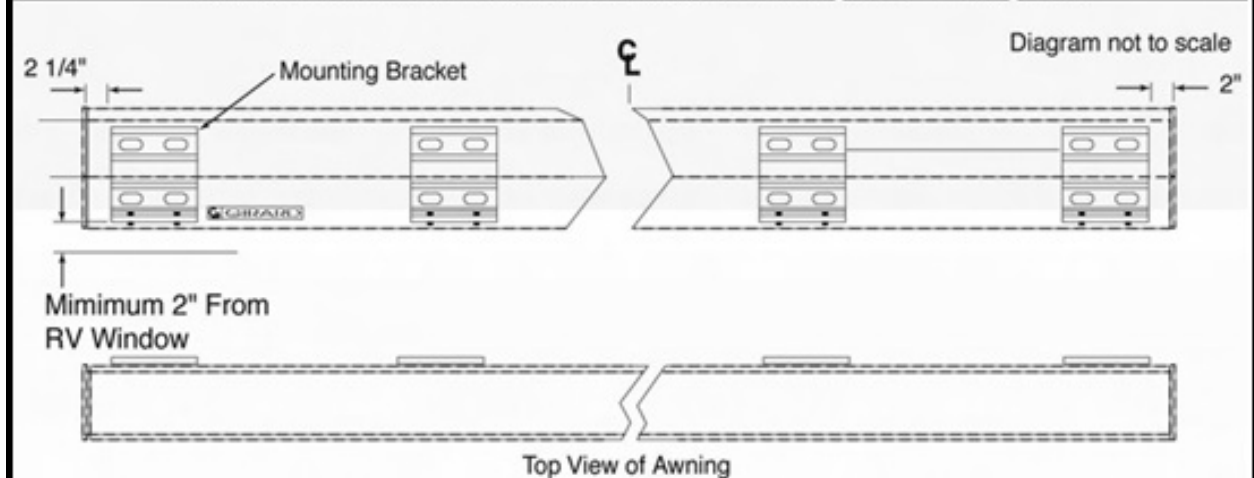
BRACKET PLACEMENT CHART



G-2085 Placement of Brackets for Window Awnings 36" Through 59"



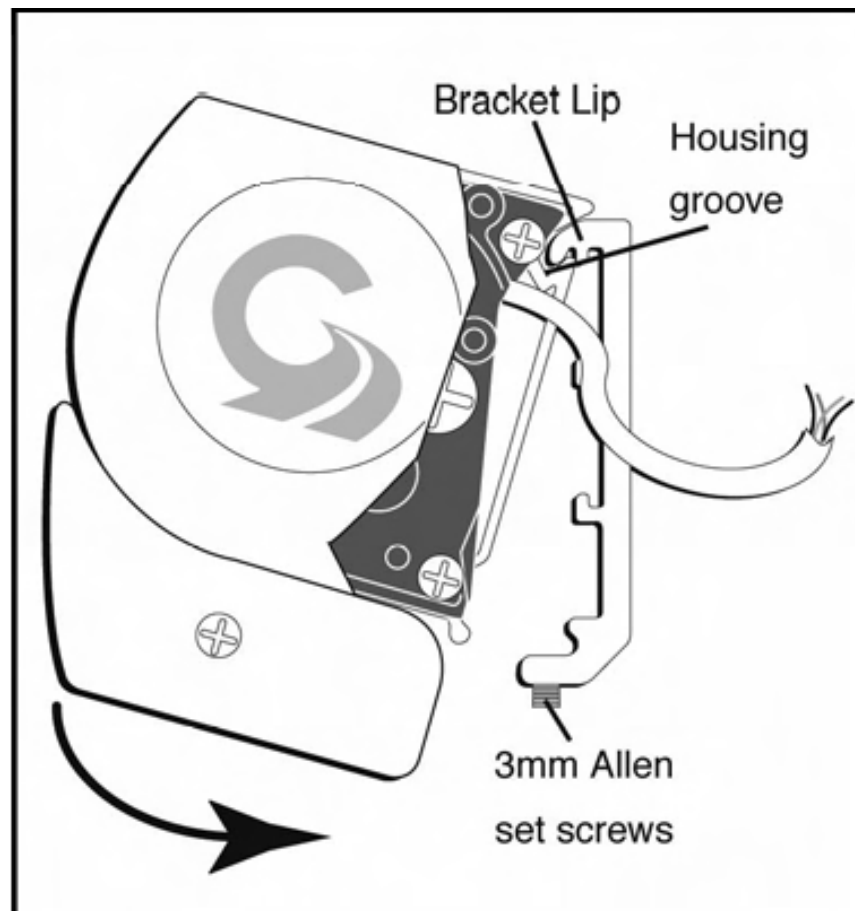
G-2085 Placement of Brackets for Window Awnings 60" Through 119"



G-2085 Placement of Brackets for Window Awnings 120" and over

MOUNTING THE AWNING

1. Fit the wall grommet for the Awning motor power cable fixing it in place with a silicone sealant or similar product.
2. Loosen the 3mm bracket set screws until they are level with the surface of the bracket.
3. Feed the end of the cable through the wall grommet lubricate if necessary.
4. Lift the awning into position ready for mounting while pulling the motor power cable through the sidewall of the vehicle.
5. Apply sealant to the last couple of inches of the power cable so as to create a seal when the awning is in its final position.
6. Lift the awning onto the brackets by fitting the top lip of the mounting bracket into the corresponding groove on the awning housing, then allow the casing to rock forward so that the bottom of the housing mates with the bottom lip of the mounting bracket as depicted in the diagram below.
7. Ensure that the awning is correctly centered, and then secure in place by tightening all of the 3mm set screws on all of the mounting brackets.



ELECTRICAL INSTALLATION



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.

If all directions have been carried out correctly, the awning is now correctly mounted and the motor power cable is in an accessible position inside the vehicle.

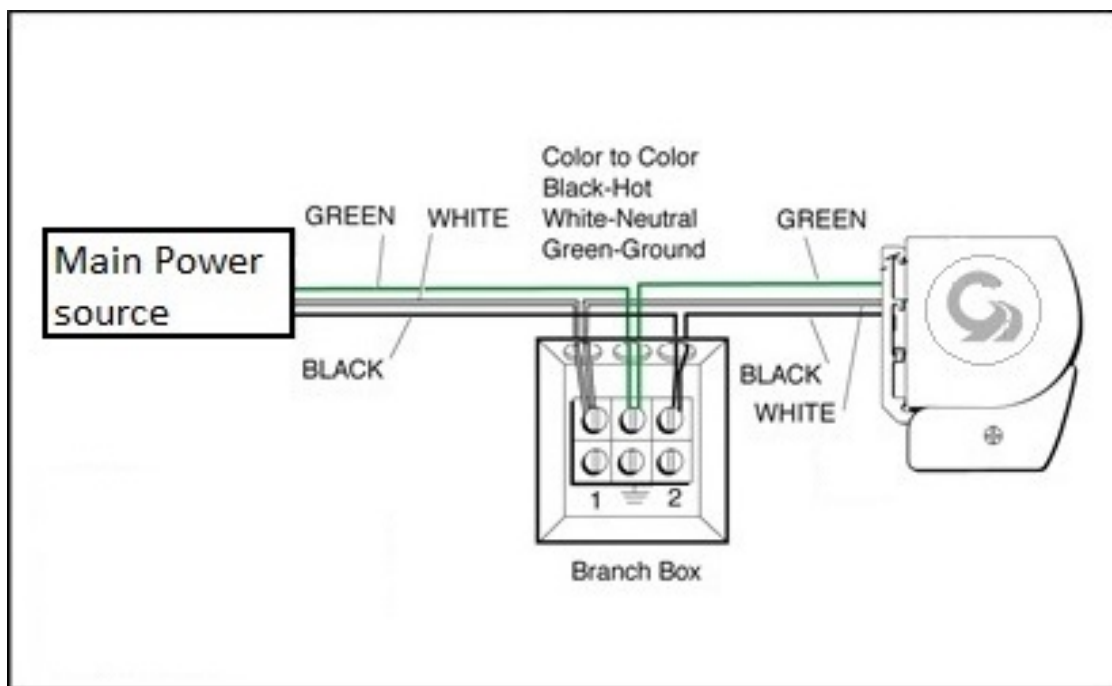
No matter how the awning is to be controlled it is recommended that the motor power cable be routed and terminated in a UL approved junction box in a convenient location where any switch or motor controller can be connected to it.

The G-2085 may be fitted with a variety of motors; 12v DC, 120v AC and can be controlled in various ways; wall switch (hard wired), remote RF wall switch or handset, remote controlled motor etc.

The following pages give instructions of how to connect and program the various motors and devices.

REMOTE MOTOR

1. Route motor power cable and Vehicle power supply wires to a UL approved junction box.
2. Connect the wires together in matched pairs (Black to black, white to white, green to green) inside the junction box using an approved method; terminal block, butt splice connectors etc.
3. Ensure that the Green wires (Ground) are pig tailed to the framework of the vehicle.
4. Ensure that a suitably rated fuse / Circuit breaker is used.



PROGRAMMING A REMOTE MOTOR TO A G-LINK REMOTE HANDSET OR SWITCH

When programming the remote motor each step must be completed within 10 seconds of the previous one or the program will not be accepted by the receiver. It is strongly recommended that the programming sequence is read and fully understood before attempting to execute it.

Also ensure that power is removed from any other awnings on the vehicle while programming is taking place to prevent accidental interference with other devices.



- Before initiating this procedure the Receiver (remote motor) must have the power removed for at least 10 seconds.
- 1. Programming the REMOTE MOTOR to a Remote Module. (Handset or Switch)**
 - a. Supply power to the **REMOTE MOTOR**: a soft beep will be emitted by the RF receiver in the unit.
 - b. Press the P2 button on Remote module twice (A beep will be emitted by the RF receiver with each press)
 - c. Press the **DOWN** button on the Remote and verify that the motor is responding correctly.
 - d. If the motor turns in the opposite direction (up), repeat a. and b. and finish the process by pressing the **UP** button.
 - 2. Programming the REMOTE MOTOR to an additional Remote module**
 - a. Do not turn off the power to the **REMOTE MOTOR (If you do you will delete the previous remote)**
 - b. Press the P2 button on the first Remote **twice** (A beep will be emitted by the RF receiver with each press)
 - c. Press the P2 button on the additional Remote **once** (A beep will be emitted by the RF receiver)
 - d. Press the **UP** or **DOWN** button on the Remote to verify that the unit is programmed
 - 3. Cancel a Remote**
 - a. Supply power to the **REMOTE MOTOR**: a soft beep will be emitted by the RF receiver in the unit.
 - b. Press the P2 button on the Remote **twice** (A beep will be emitted by the RF receiver with each press)
 - c. Press the **STOP** button of the Remote once.
 - d. Press the P2 button of the Remote. Three beeps will be emitted by the RF receiver.
 - 4. Program “Continuous” or “Step” mode of operation**
 - a. Supply power to the remote motor
 - b. Press the p2 button on the remote controller
 - c. Press the up button of the remote controller
 - d. Press the p2 button on the remote controller again.



ATTACHING ARMS TO THE LEAD RAIL

1. Extend the awning so that the lead rail drops 2-3" from the housing
2. Remove the lead rail endcaps. (Held in place by 1 Philips screw Fig.1)
3. Remove the ½" lead rail insert. A screwdriver may be used as a lever to help with this as the insert is secured with plastic clips.
4. Remove the black plastic endcap on the bottom of the arm to reveal the mounting hole.
5. Loosen but do not remove the threaded slide lock on each arm. Fig.2
6. Insert the slide locks into the groove in the lead rail ensuring that the slide locks are facing inward. Fig.2
7. Position the arms so that they are flush with the outside of either side of the window frame. Fig.3
8. Secure the arms in place by tightening the Philips set screw.

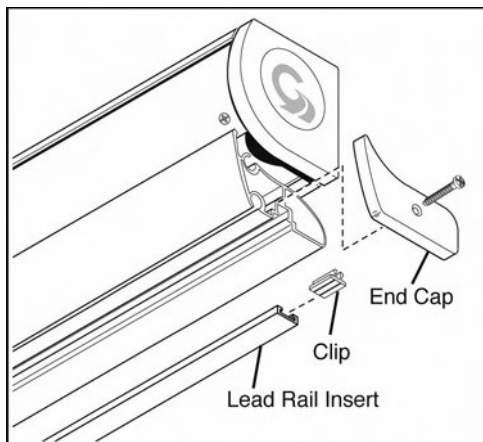


Fig.1

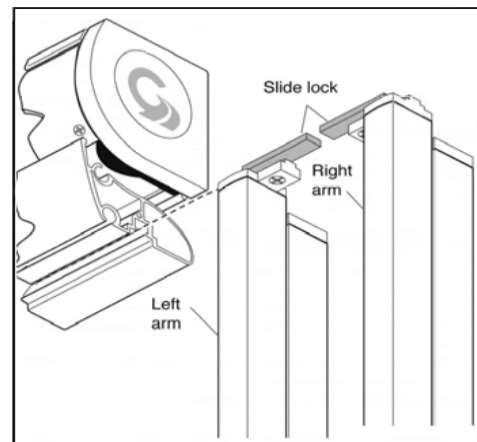


Fig.2



Fig.3



ATTACHING ARMS TO SIDEWALL



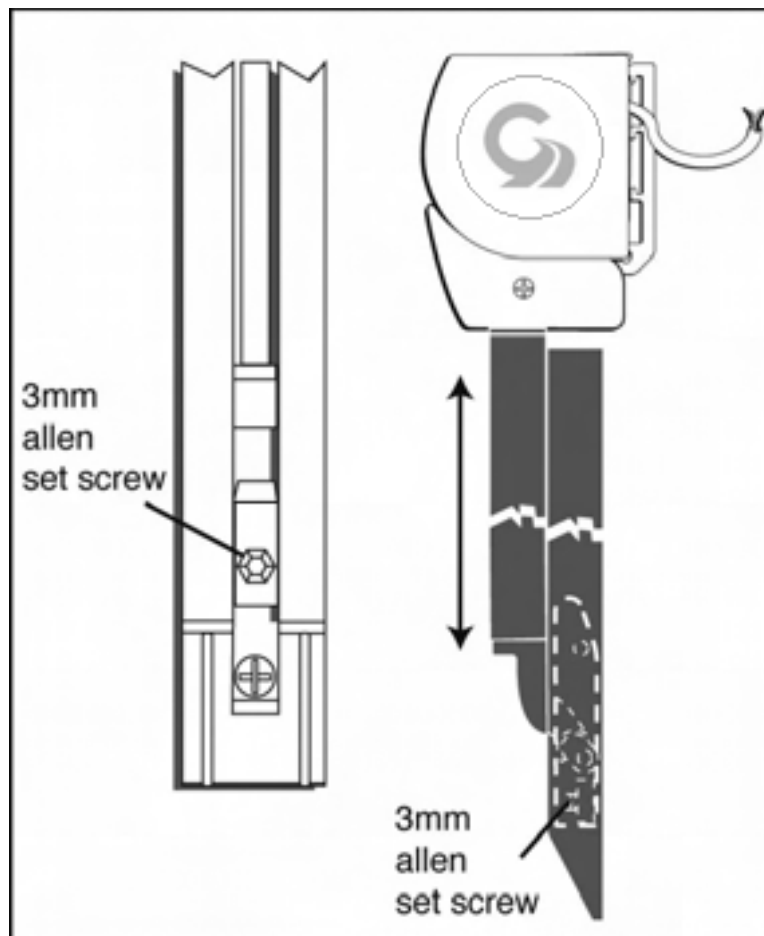
WARNING

- Follow installation instructions carefully.
- Awning arms are packaged under heavy spring tension.
- To avoid serious personal injury do not remove protective wrapping until directed to do so.

1. Retract the awning to the fully closed position. Make sure the lead rail is centered correctly in the housing.
2. Ensure that the arms are hanging perpendicular to the awning and parallel to the sides of the window, and then mark the location of the bottom securing screw.
3. Using #14 X 1" Stainless Steel Self-tapping screws secure both arms to the sidewall. Ensure that the arms are Level and correctly aligned and also ensure that the holes in the vehicle are adequately sealed.
4. Now the protective wrapping around the arms can be removed.
5. Extend the awning far enough to gain access to the upper fixing holes in the awning arms, and then as with the bottom screws secure the arms to the vehicle.
6. Fully extend the awning to gain access to the final arm fixing holes and as before secure the arm to the sidewall of the vehicle.

ADJUSTMENT OF SPRING ARMS

1. Fully retract the awning.
2. Loosen but do not remove the 3mm Allen set screw in the hinge (see diagram).
3. Push hinge upward until there is a 1/16" gap between the lead rail and the awning housing.
4. Tighten the 3mm Allen set screws.
5. Repeat steps 2 – 4 for the other arm.

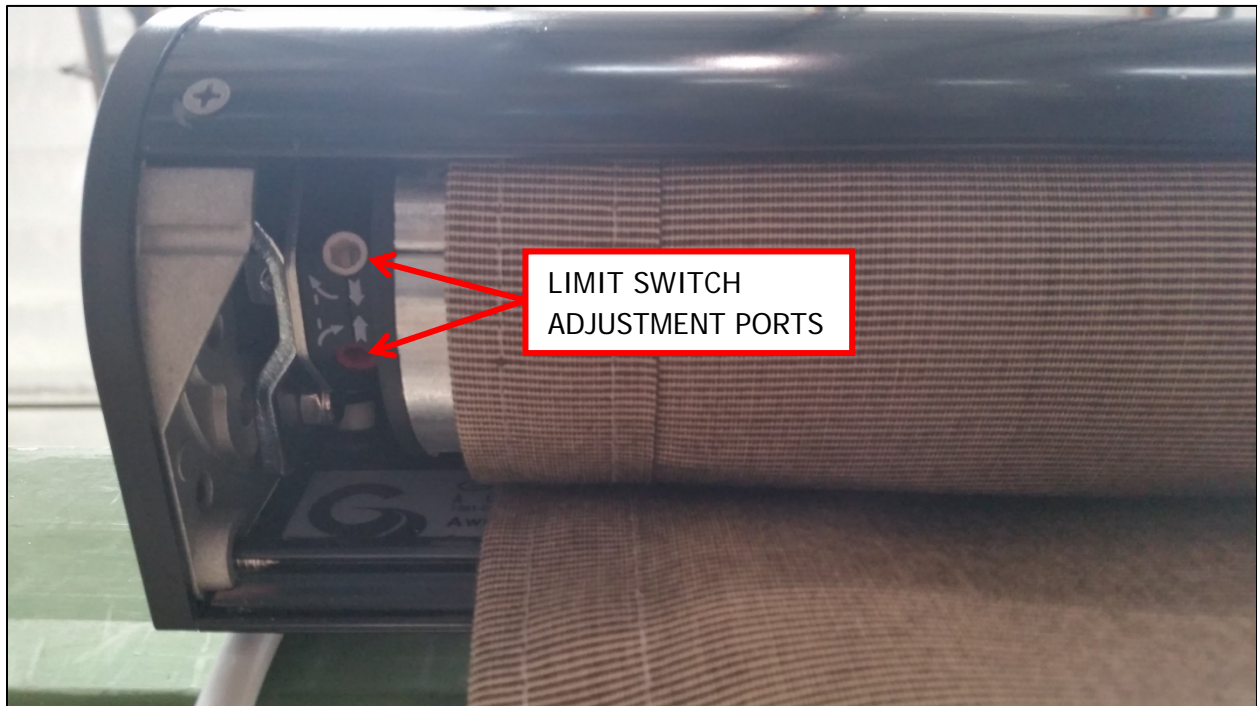


INSTALLATION OF LEAD RAIL INSERT

1. Measure the distance between the left and right arms (Inside dimension).
2. Measure from outside of each arm to the end of the lead rail.
3. With a Hacksaw cut pieces from the awning rail insert to fit these gaps.
4. Replace pieces into the lead rail using the retaining clips provided.



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 extension or retraction. 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 awning cassette. The OUT limit switch should stop the motor at the exact moment that the arms reach the fully extended position (90 Degrees).

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.
5. 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.



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.



FABRIC REPLACEMENT

NOTE: DUE TO THE COMPLEX NATURE OF THIS TASK IT IS ESSENTIAL THAT 2 PERSONS CARRY OUT THIS PROCEDURE.

1. Fully extend the awning and place a ladder or similar structure under the lead rail to act as a physical stop.
2. Adjust the OUT limit switch until the fabric is fully unwound and the poly rope is at the bottom of the roller tube.
3. The arms will now be over extended (past 90 degrees) but can physically go no further. Take care not to lean on the arms or lead rail as this will damage the product.
4. Remove both lead rail endcaps, all fabric screws.
5. While supporting the roller tube and holding in place, remove the main housing endcap and end plate at the opposite end from the motor. (2 persons)
6. Remove the fabric from the roller tube and lead rail simultaneously.
7. Ensure that the roller tube is held in place by one person while the other feeds the new fabric into the lead rail and roller tube at the same time. (2 persons)
8. Replace the main housing end plate and end cap. (2 persons)
9. Ensure that the fabric is centered and pulled taut while replacing fabric screws. (2 persons)
10. Replace lead rail endcaps.
11. Push up on both ends of the lead rail while adjusting the OUT limit switch to return the lead rail to the fully extended (90 degree) position. (2 persons)
12. Test and adjust limit switches as required. (see previous section)



ARM REPLACEMENT

1. Remove the lead rail end cap on the selected side.
2. Remove the small section of lead rail insert in front of the selected arm.
3. Remove the plug from the bottom of the arm to expose the bottom mounting hole and screw.
4. Fully open the awning to gain access to the middle and top arm securing screws and then remove both screws.
5. Retract the awning but stop the motor when it is still open no more than 2".
6. Loosen the bottom arm securing screw no more than 1 full turn.
7. As sealant of sorts will have been used during installation of the arm, it will need to be gently pried from the side of the vehicle using non-metallic, relatively blunt implements to prevent damage to the sidewall.
8. First pry the top end of the arm from the sidewall and insert a piece of thin rope or a strong bootlace behind the arm.
9. Use this rope or bootlace to tie the two sections of the arm together, wrap around as many times as the length will allow and tie off securely.
10. Remove the bottom arm securing screw.
11. Loosen the set screw securing the slide lock to the lead rail, and then slide the arm out of the lead rail taking care not to damage the side of the vehicle.
12. Fit new arm as per instructions on pages 14-16 of this guide.



MOTOR REPLACEMENT

NOTE: DUE TO THE COMPLEX NATURE OF THIS TASK IT IS ESSENTIAL THAT 2 PERSONS CARRY OUT THIS PROCEDURE.

1. Use a ratchet strap or similar method to tie the window awning closed.
2. Isolate power to the awning motor
3. Remove the Motor side main housing endcap.
4. Remove the 4 screws securing the end plate to the main housing, and then pull the motor assembly out of the roller tube.
5. Cut the awning motor power cable.
6. Take note of the orientation of the old motor to the end plate.
7. Remove the old motor from the end plate and fit the new one in the same position as the old.
8. Pull any slack of the old cable out toward the new motor, bare the conductors and attach the ends of the old conductors to the new ones.
9. Insert the new motor assembly into the roller tube.
10. Pull the new motor power cable through the sidewall with the old one.
11. At this point ensure that the motor is correctly orientated to allow access to the limit switches.
12. Re-attach the end plate to the main housing.
13. Remove the old motor power cable and install the new one.
14. Supply power to the new motor, and then using the OUT limit adjustment port wind in the awning ensuring that it is evenly tensioned and straight.
15. Reset the limit switches as necessary as per the instructions on pages 17-19 in this guide.



TROUBLE SHOOTING GUIDE

NOTE; these tips are provided for information purposes, we highly recommend that the adjustments and tasks described are carried out by an authorized service provider. This guide however will allow the user to become familiar with the product and provide sufficient information in the event of an emergency.

PROBLEM; the motor will not operate.

SOLUTION; Ensure that all GFI switches are turned ON.

Ensure that the awning main power switch is ON (if equipped).

Check to see if the motor has overheated. (Motor can take up to an hour to cool down depending upon outside temperature). The motor is designed for intermittent use (2 minutes per hour) and can overheat if used excessively.

PROBLEM; The motor will not operate, or will only move a small distance.

SOLUTION; Ensure that the motor is receiving sufficient power. (Min. 10 Amps).

If the inverter output is low, switch to shore power or switch on the vehicles generator.

PROBLEM; Fabric is loose when the awning is fully extended (i.e., the roller keeps turning after the awning arms have locked open).

SOLUTION; OUT limit switch needs to be adjusted, see page 18 of this guide.

PROBLEM; Motor stops before awning is fully closed.

SOLUTION; Ensure that there is no debris wrapped in the awning while it is retracting. Ensure that there are no obstructions between the lead rail and the main housing.

Ensure that there is sufficient power supply.

IN limit switch may need to be adjusted, see page 19 of this guide.

PROBLEM; Lead rail does not release immediately or is binding to one side.

SOLUTION; Spring arms need to be adjusted. See page 16 of this guide.

PROBLEM; Awning retracts when it should extend (and vice versa).

SOLUTION; Reverse the motor as per instructions on page 13 of this manual.

PROBLEM; The motor will not react to a transmitter.

SOLUTION; Check that the transmitter has a battery/batteries inserted correctly.

Check that there is power to the motor.

Refer to the relevant instruction manual for the device that is intended to control 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

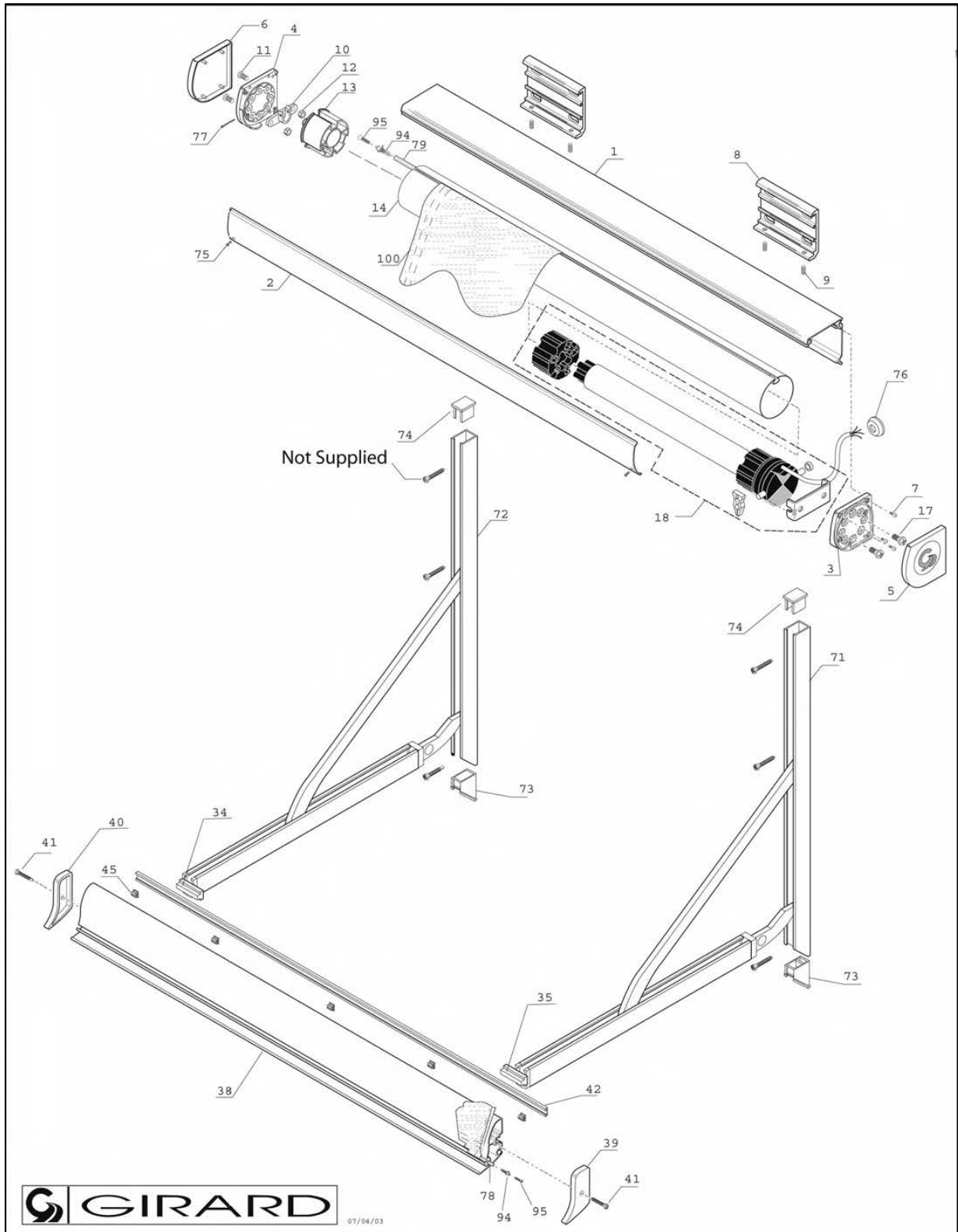
<u>STAIN</u>	<u>RECOMMENDED CLEANING SOLUTIONS</u>
BEER	Dishwashing liquid (2 oz.)/1 gallon water/white vinegar (3 oz.)
BERRY	Dishwashing liquid (2 oz.) /1 gallon water / ammonia (4-8 oz.)
BIRD DROPPINGS	Dishwashing liquid (2 oz.)/1 gallon water.
BLOOD (DRIED)	Dishwashing liquid (2 oz.) / 1 gallon water / 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.)



G-2085 EXPLODED DIAGRAM





COMPONENT IDENTIFICATION

ITEM	DESCRIPTION	PART NUMBER
1	Main Housing 2085	1502085-013
2	Cover Main Housing 23' BLK G2085	1502085-023
3	Side Plate RH 2085 - PLASTIC	1502085-03
3	Side Plate RH 2085 - METAL	1502085-03M
4	Side Plate LH 2085 - PLASTIC	1502085-04
4	Side Plate LH 2085 - METAL	1502085-04M
5	Cover Side Plate RH 2085 WHT	1502085-05
5	Cover Side Plate RH 2085 BLK	1502085-053
6	Cover Side Plate LH 2085 WHT	1502085-06
6	Cover Side Plate LH 2085 BLK	1502085-063
7	Screw Plate to Main Housing	1502085-07
8	Mounting Bracket	1502085-08
9	Screw Socket Set M6x10 DIN 916	1502085-09
10	Bearing Support 2085	1502085-10
11	Screw M6 x 12 PH PHLPS A2 DIN	1502085-11
12	Nut Hex M6 DIN 985	1500154-20
13	Tube Bush AXLE 12mm tube 63mm	1502085-13
14	Roller Tube Diameter 63mm	1502085-14
17	Screw 1/4-20 x 1/4 PRH MS SS W	1550034
18	See Motor Assemblies	
34	Connection Lead Rail LH Black	1502085-34
34	Connection Lead Rail LH White	1502085-340
35	Connection Lead Rail RH Black	1502085-35
35	Connection Lead Rail RH White	1502085-350
38	Lead Rail White	1502085-38
38	Lead Rail Black	1502085-383
39	End Cap Lead Rail RH White	1502085-39
39	End Cap Lead Rail RH 2085 BLK	1502085-393
40	End Cap Lead Rail LH White	1502085-40
40	End Cap Lead Rail LH 2085 BLK	1502085-403
41	Screw 6 x 3/4 PHLPS PH SMS SS	1502085-41
42	Lead Rail Cover 162" WHT	1502085-42



42	Lead Rail Cover 162" BLK	1502085-423
43	Clip for Lead Rail Cover	1500520-43
71	G2085 ARM .70mm RH BLK	1285000-71
72	G2085 ARM .70mm LH BLK	1285000-72
73	WA Arm Plug Bottom 2085 - Black	1502085-73
74	WA Arm Plug Back Top - Black	1502085-74
75	Screw, Main Housing Cover	1550602
76	Motor cord grommet	1500086-00
77	Cotter Pin to Side Plate	1502085-77
78	Poly Rope at Lead Rail	1500372-00
79	Poly Rope at Roller Tube	1500374-00
94	Plug S6 Nylon	1502085-94
95	Screw DIN 7982 4.2 x 32	1502085-95
100	see Fabric Assemblies	
	Weather Seal 2085 WA	1500510-99
	Gear with Eye G2085	1502085-16
	Screw M6x2.5 PH PHLPS A2 DIN	1502085-17
Fabric Assemblies		
100	Fabric Assy G2085 WA 42" x .70	8001070-042
100	Fabric Assy G2085 WA 60" x .70	8001070-060
100	Fabric Assy G2085 WA 66" x .70	8001070-066
100	Fabric Assy G2085 WA 72" x .70	8001070-072
100	Fabric Assy G2085 WA 78" x .70	8001070-078
100	Fabric Assy G2085 WA 84" x .70	8001070-084
100	Fabric Assy G2085 WA 96" x .70	8001070-096
100	Fabric Assy G2085 WA 120" x .70	8001070-120
100	Fabric Assy G2085 WA 144" x .70	8001070-144
100	Fabric Assy G2085 WA 156" x .70	8001070-156
100	Fabric Assy G2185 179" x .70	8001070-179
100	Fabric Assy G2185 191" x .70	8001070-191
Motor Assemblies		
18	Motor Assy 35-13 Remote	97GA35R-13
18	Motor Assy 45-35 12volt	97GA45DS-35WA
18	Motor Assy 45-10 Standard	97GA45S-10



G2185 Large Window Awning Components		
	G2185 BLK 133" Box Only (3.38M)	1210133-02
	G2185 BLK 167" Box Only (4.24M)	1210167-02
	Lead Rail Cover RH BLK G2185	1502185-B02
	Lead Rail Cover LH BLK G2185	1502185-B04
	End Cap Lead Rail RH BLK G2185	1502185-292
	End Cap Lead Rail LH BLK G2185	1502185-312
	Cover Main Housing BLK G2185 23'	1502185-B12
	LH Cover BLK G2185	1502185-B08
	RH Cover BLK G2185	1502185-B19
	Long End Fix Bracket LH G2185	1502185-09
	Long End Fix Bracket RH G2185	1502185-20
	G2185 Mounting Bracket 133"	1502185-133
	G2185 Mounting Bracket 167"	1502185-167
	Special Side Plate LH G2185	1502185-14
	Special Side Plate RH G2185	1502185-18
	Bearing Support Cover BLK	1502185-22
	Bearing Support Box BLK	1502185-23
	Adapter/M G2185	1502185-241