



Oasis® 2900 Motorized Patio Insect Shade Installation Instructions

The Oasis® 2900 Motorized Patio Insect Shade system is available in a complete head box, pocket head box, or an exposed bracket option. This document provides installation instructions for all shade systems.

Order height is defined as the distance from the top of the back cover to the bottom of the sidetrack. Verify the window opening versus the shade order size before installation.

1. Tools

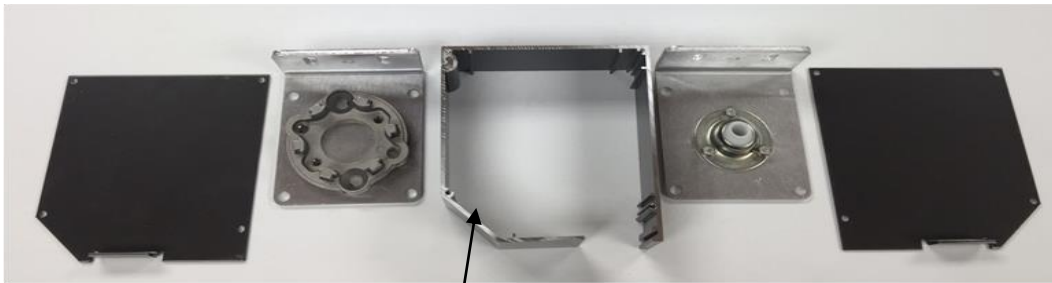
Screw gun with Phillips head bit extender; Hex head driver; Standard and Phillips head screwdriver; wire strippers/cutters; pliers or channel locks; level; AC motor test switch; tape measure; $\frac{3}{16}$ inch drill bit; $\frac{3}{8}$ inch drill bit.

2. Shipped components

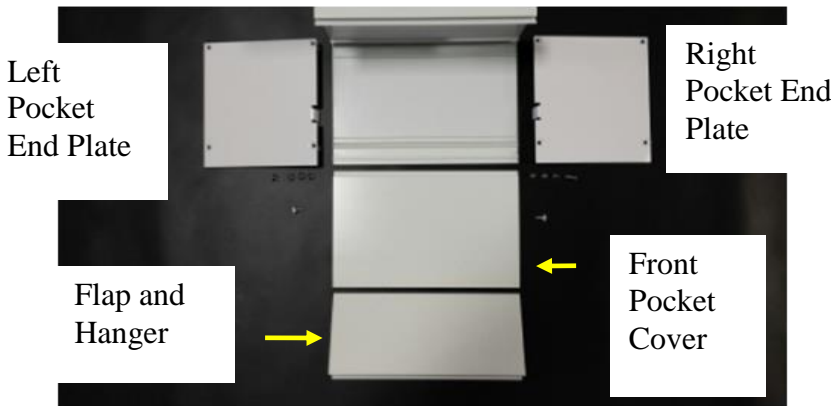
The roller shade (tube, fabric, motor, and hembar) rests in the back cover. The front cover rests in the back cover.

The idler, motor bracket, idler bracket, hembar, sidetracks, plug buttons, grommet, and end plate screws are included in the shipment.

	Assembled		Assembled	
Left	Motor		Idler	Right
End	Mount	Back	Bracket	End
Plate	Bracket	Cover		Plate



Front Cover





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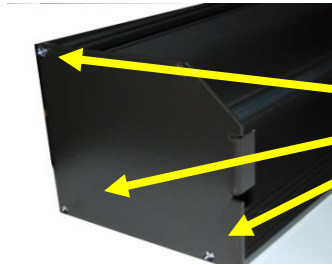
Traditional Head Box

3. Assembly and Installation Instructions

A. End Plate Installation

End plates are not attached to the back cover prior to shipment.

1. Align the end plate so the tangs are facing each other.
The tang faces toward the inside of the head box for the right end plate shown below.



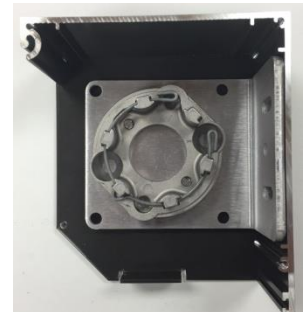
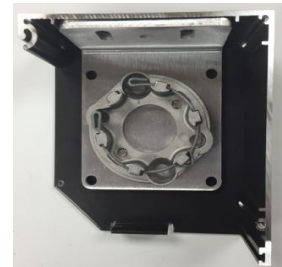
Carefully secure each end plate to the back cover with three painted, #6 by $\frac{3}{4}$ inch stainless steel sheet metal screws (supplied).

B. Bracket hole marking on back cover

Align the bracket in between the bracket location ridge in the back cover extrusion.

1. For ceiling mount, align the motor/gear bracket to the top of the back cover flush with the end plate. Mark the box. Repeat this alignment and marking process for the idler bracket. Pre-drill all the holes with a $\frac{3}{16}$ inch drill bit.
2. For wall mount or outside mount, align the motor/gear bracket to the back of the back cover flush with the end plate. Mark the box. Repeat this alignment and marking process for the idler bracket. Pre-drill all the holes with a $\frac{3}{16}$ inch drill bit.

Mark and drill a hole either through the top or back of the back cover or the end plate for future routing of the motor wire. Use a $\frac{3}{8}$ inch or $\frac{1}{2}$ inch drill bit depending on the wire diameter. Use of a rubber grommet in the drilled hole is recommended to protect the motor wire.

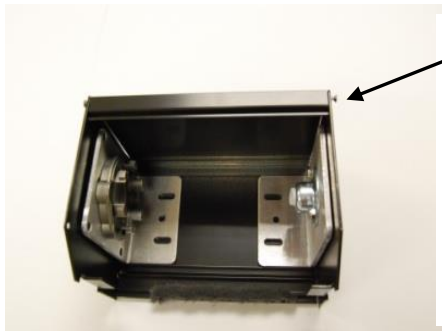




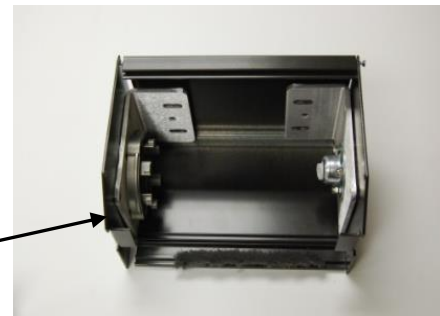
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C. Back cover and bracket installation

The top of the back cover is mounted at the order height. Dry fit the sidetracks to ensure correct fit with the bottom of the back cover. Secure the back cover using intermediate mounting points spaced four to six feet apart. Pre-drill holes for easier installation. Screw back cover to mounting surface using #8 x 1 ½ inch or longer pan-head screws (not provided). Ensure that the back cover is level. Be careful not to over-tighten screws as this may cause damage to the back cover. Screw brackets to wall or ceiling mounting surface through the back cover with #10 x 1 ½ inch or longer pan-head screws (not provided).



Wall mount with motor bracket in the left picture.



Ceiling mount with motor bracket in right picture

D. Shade installation

Remove motor retainer clip from motor mount. Install the shade into the head box by inserting the spring idler into the spring idler bracket, compressing the spring, and inserting the motor drive into the motor drive bracket ensuring that the motor limits are accessible as required.

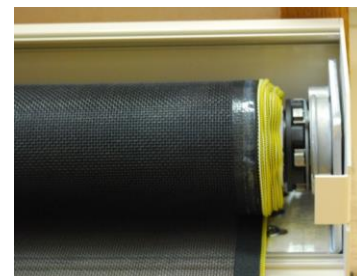
In the previously drilled hole, orient the power wire so it does not interfere with the shade operation. Ensure there is an adequate drip loop length so no condensation can travel to the motor head. Refer to the section named Important Notes for Electrician at the end of this document



Re-attach the motor retainer clip. Connect power to motor as required or use a test switch (not included), then run the shade down eight to twelve inches from the top. Refer to the programming instructions for AC and ACR motors.



Spring idler insertion



Securing motor retainer clip



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E. Side track and Zipper installation

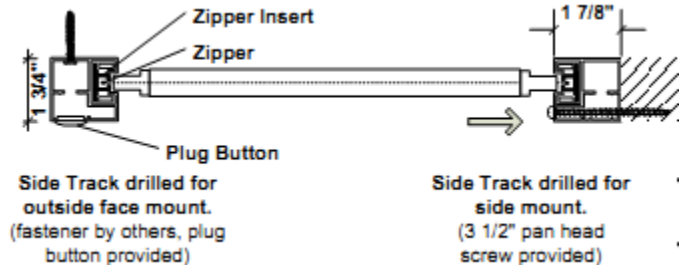
Sidetracks are pre-drilled.

Mount sidetracks at appropriate opening width and height.

For side mount, use a # 8 screw at least two inches in length (not provided).

Ensure the sidetracks are plumb and parallel to each other.

The hembar and hembar end caps are attached to the shade fabric. It is easier to slide the zipper into the sidetrack insert while installing the sidetrack. The zipper insert extends above the top of the sidetrack end cap.

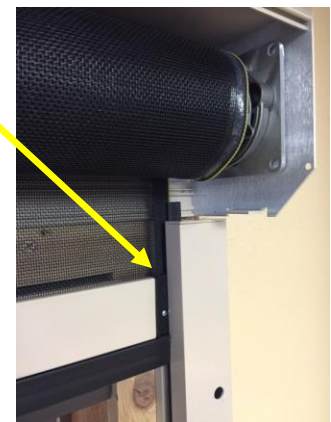


Slide the zipper into the zipper insert for one sidetrack. Repeat this step for the other sidetrack.

Zipper captured in the sidetrack.



Zipper captured in the sidetrack. Now that the zipper insert captures the zipper, position one sidetrack so the top endcap butts to the bottom of the back cover and the sidetrack is flush with the end plate. Install one sidetrack screw to hold the sidetrack in place. Repeat this step for the other sidetrack.



Loosely secure sidetracks at appropriate opening width and height using # 8 or #10 screws (not provided). Ensure the sidetracks are plumb and parallel to each other so the shade rolls straight down into the zipper insert.



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F. Motor Startup and Limit Setting

Refer to the Radio Programming or Limit Switch Setting instructions for motorized shades. Run the shade up and down to insure smooth operation before tightening sidetrack screws. Re-measure tracks at top, middle, and bottom. Check sidetracks with a level to make sure they are plumb. **Tolerances are very tight.**

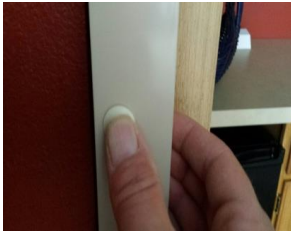
Set up and down limit as required. Remove the test switch and connect motor power wire.

G. Final Adjustments

Operate shade up and down several times. Make any adjustments for telescoping or levelness of fabric. Refer to telescoping correction information if necessary.

H. Plug buttons

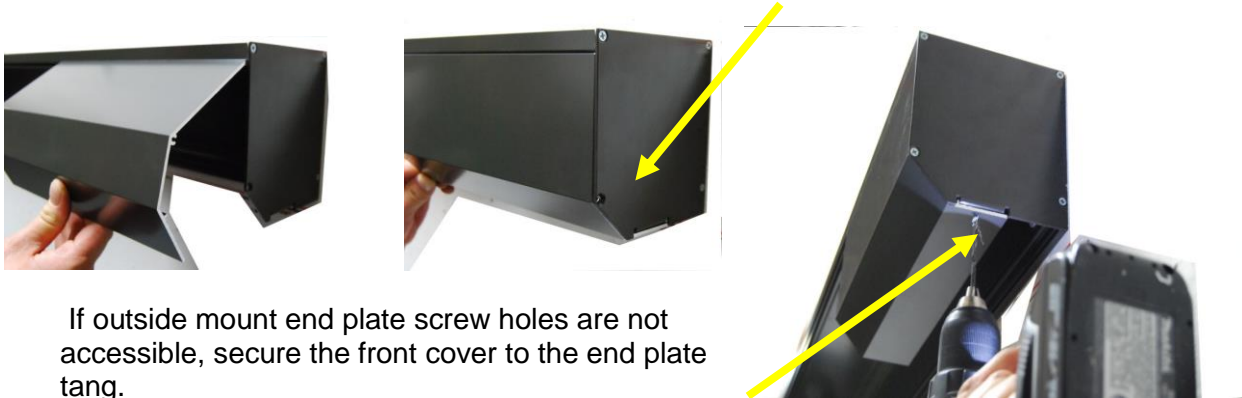
Insert plug buttons into sidetrack holes for face mount applications.



I. Front cover installation

Insert the front cover tongue into the back cover groove.

After correctly inserting the front cover in the groove, the front cover will stay engaged as it closes. Secure the end plate to the front cover with a #6 by 3/4 inch screw (supplied).



If outside mount end plate screw holes are not accessible, secure the front cover to the end plate tang.

Drill a hole in the front cover and through the end plate tang with a 1/8 inch bit then secure with a 3/8 inch painted sheet metal screw (supplied).

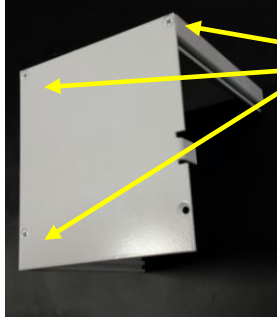
For wider shades, the two installers are positioned approximately 1/3 of the distance from each end to ease the installation of the front cover.



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Pocket Head Box

1. Assembly and Installation Instructions



In most cases, the box is fully assembled before installation. Secure the end plates to the back cover using six #6 by 3/4 inch stainless steel self-tapping screws (supplied).

Insert the front pocket cover tongue into the back cover groove. After correctly inserting the front pocket cover in the groove, the front pocket cover will stay engaged as it closes. Secure the front pocket cover with two #8 by 1/2 inch painted stainless steel self-tapping screws.

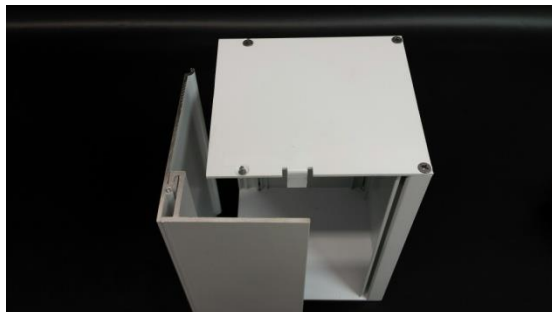


To complete the pocket head box installation, follow steps C through H for the Traditional Head Box as noted previously in this document.

2. Optional Flap Installation



Mark a hole 1/2 inch from the left and right end of the flap and 1/4 inch from the back of the front pocket cover. Using a 1/8 inch drill bit, pre-drill a hole into the two marked locations on the flap. After securing the flap on the hanger, screw a #8 by 3/4 inch painted sheet metal screw (supplied) into the pre-drilled hole on each end of the flap.





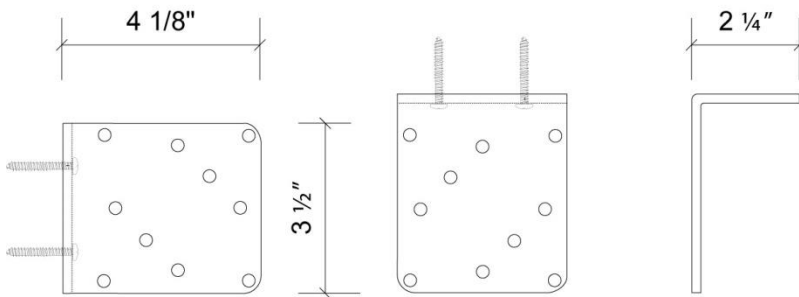
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Exposed Bracket

Sidetrack using Motor

1. Bracket mounting

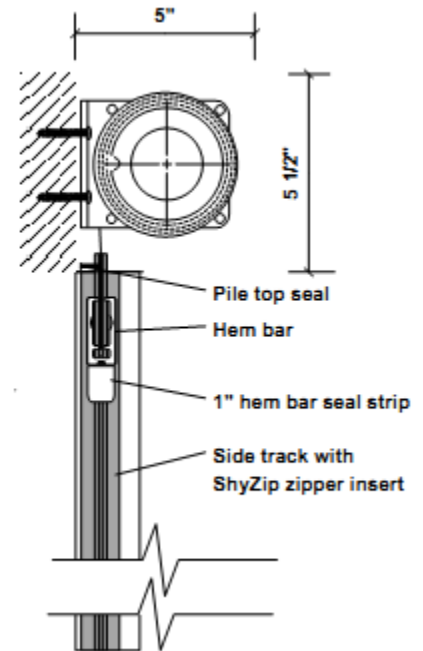
For exposed roller applications, use the Insolroll universal shade mounting brackets.



Universal Shade Mounting Brackets

Used with exposed roller or within headbox
(Wall or ceiling mount)

Mount exposed roller brackets at order width.
Align the sidetrack so the fabric drops straight into the sidetrack.



2. Installation instructions

For Motor and Sidetrack application, follow previously defined Traditional Head Box steps 3D, 3E, 3F, 3G, and 3H



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Troubleshooting – Telescoping Shade Adjustment

1. To adjust shades for telescoping (excessive horizontal movement of fabric while shade rolls up on the tube), roll the shade all the way down so the tube is exposed (this will require adjustment of the down limit on motor).
2. Place a 4” piece of tape (2”-4” in from the end of shade) on the side of the tube opposite of the direction the fabric is moving.
3. Run the shade up. If shade still telescopes, repeat the process. The correct amount of tape can only be determined by trial and error.
4. Re-set the down limit after completing shade adjustments.

Important Notes for the Electrician

1. An Underwriters Lab (UL) Listed cable clamp or cable gland must be used that is suitable for the diameter of the cable. The outside diameter of the motor cable is nominally 0.340 inches (8.64mm). This will ensure that the connection between the motor cable and the junction box is stable and reduces strain on the conductors.
2. Any switch, connector, and/or junction box should be UL Listed.
3. For motorized shades provided with a NEMA 5-15P plug cap, the plug cap must be inserted into a grounded receptacle. “To reduce the risk of electrical shock, this equipment has a grounding type plug that has a third (grounding) pin. This plug will only fit into a grounding type outlet. If the plug does not fit into the outlet, contact a qualified electrician to install the proper outlet. Do not change the plug in any way.”
4. Any electrical wiring that is designed to be permanent shall be employed as required by local codes.
5. Ensure there is adequate drip loop length so no condensation can travel to the motor head. An example of a drip loop is shown below:



Insolroll has been granted a UL Listing for complete motorized shade systems including any of six upgraded motors (Model #s STD-AC, STD-ACR, STD-AC-ILT, IQM-AC, IQM-ACR, and IQM-AC-ILT).