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## **RAFTER ADAPTER BRACKET INSTALLATION INSTRUCTIONS**

**TOOLS NEEDED:** Electric drill, 3/8" drill bit, chalk, chalk line, level, tape measure, sockets (9/16", 5/8"), wrench (9/16", 5/8")

**PARTS SUPPLIED with each bracket:** Rafter Adapter Bracket, 3 Hex Bolts (3/8" x 2 3/4"), 6 Flat Washers (3/8"), 3 Retaining Nuts (3/8"), 2 Hex Bolts (7/16" x 1 3/4"), 4 Flat Washers (7/16"), 2 Retaining Nuts (7/16")

**WARNING: FAILURE TO FOLLOW THESE INSTRUCTIONS CAN RESULT IN PERSONAL INJURY! PLEASE READ ALL INSTRUCTIONS IN THEIR ENTIRETY BEFORE ATTEMPTING TO COMPLETE THIS PROCESS.**

### **BEFORE STARTING:**

1. Before beginning, please familiarize yourself with the components of the **Rafter Adapter Bracket** and the **Soffit Bracket** shown in FIGURE 1 and the awning installation procedures for **Soffit mounting outlined in Appendix C of the Owner's Manual & Installation Instructions.**

**CAUTION: The Rafter Adapter bracket is designed to be attached to the side of a standard exposed roof rafter (2'X6') or other major structural member. Proper location of the bracket is the most important aspect of the awning mounting. It is critical that you fasten the mounting bracket securely to the rafters with all three (3) supplied fasteners.**

**PLEASE NOTE THAT LEFT AND RIGHT REFERENCES ARE AS YOU ARE FACING YOUR MOUNTING LOCATION.**

2. Once you have selected the mounting location for your awning, you will need to identify the roof rafters or other structural members that the rafter adapter brackets will be fastened to.

3. Refer to the **Owner's Manual & Installation Instruction (Appendix C – Soffit Mount)** to locate the rafters in the areas in which the Rafter Adapter Brackets must be installed.

4. Using a piece of chalk, mark the **ROOF RAFTER** that will be closest to the middle or center point of the awning.

5. With a helper, use a chalk line to snap a horizontal line straight across the underside of the **ROOF RAFTERS** to mark the length of the awning.

6. On the chalk line you have made on the **ROOF RAFTERS**, mark rafters that are closest to the left and right ends of your awning. Using the chart provided in Appendix C of the Installation manual, also mark on the chalk line the rafter closest to the middle point and closest to the points where the left and right arm clamps will be located for your size awning. **NOTE: THESE MARKS DO NOT HAVE TO FALL DIRECTLY ON A RAFTER, THESE MARKS WILL BE USED AS REFERENCE POINTS FOR LOCATING RAFTER ADAPTER BRACKET LOCATIONS.**

7. Once you have identified and marked all of the **ROOF RAFTERS** required for your awning size as stated in the Owner's Manual & Installation Instructions, you can proceed with the installation of the **RAFTER ADAPTER BRACKETS**.

8. Starting with the **Roof Rafter** identified as closest to the mid point of the awning, align the base of the **RAFTER ADAPTER BRACKET** so that the bottom of the bracket is equal with or slightly below the lowest point of the **Roof Rafter**. The base of the bracket and the edge of the **Roof Rafter** should form a 90 angle – see Figure 2.

9. If **Rafter Adapter Bracket** is aligned correctly, mark the three (3) mounting hole locations on the **Roof Rafter**.

10. Using a 3/8" drill bit, drill a hole at bolt location #1 **ONLY**, see Figure 2.

11. Using one set of the supplied bolt, nut and washers, mount the **Rafter Adapter Bracket** to the **Roof Rafter**.

12. Verify that the **Rafter Adapter Bracket** is aligned as shown in Figure 2, and using a level insure bracket is plumb. Then using a 3/8" drill bit, drill the bolt hole locations numbered 2 and 3.

13. Install mounting bolts in both locations and tighten securely.

**NOTE: For ease of mounting the awning to the brackets, it is important that they be mounted straight and level with each other.**

14. Repeat Steps 8 – 13 for each of the remaining Rafter Adapter Brackets, **ensure that the brackets are located in the same area on each of the Roof Rafters.**

15. Install the **Soffit Brackets** to the **Rafter Adapter Brackets** using the supplied hardware. Tighten all hardware securely. **Bolts must be inserted from the bottom.** **Note: Awning fabric may be damaged if bolts are not inserted from the bottom.**

16. **Continue with the installation of the awning as outlined in the installation instructions, Appendix C – Securing the Awning into the Brackets.**



