

# ONE-TOUCH PATIO AWNING SUPPLEMENTAL INSTRUCTIONS

THIS SUPPLEMENTAL INSTRUCTION WILL ASSIST YOU WHEN CONVERTING AN EXISTING CAREFREE OR A & E AWNING TO A ONE-TOUCH AWNING. USE THIS SUPPLEMENT IN CONJUNCTION WITH THE REGULAR ONE-TOUCH OWNERS / INSTRUCTION MANUAL.

## ONE-TOUCH CONVERSION INSTALLATION INSTRUCTIONS UPGRADING AN EXISTING AWNING

### MECHANICAL

**Note: Use the Confirm to Fit chart to verify the adaptability of the One-Touch hardware before beginning this installation.**

#### Step One: Installation preparation

**Caution:** The One-Touch awning must be attached to the structural framework of the RV. Fiberglass or sheet metal siding are not strong enough to support the weight of the awning. Some trim moldings are aligned with actual floor members, check to be sure. Mounting screws for top and bottom brackets must attach solidly to the RV framework.

Consider the positioning of the awning, while noting where the wiring outlet will be installed through the sidewall of the RV at a point 3"-5" below the awning rail and 1"-4" to the left of the front arm assembly (see fig 9)

**Caution:** The wiring outlet should not interfere with side wall-mounted fixtures, such as porch lights, speaker's etc.

#### Step Two: Install bottom brackets

**A:** Roll the existing awning up against the coach. Remove each lower arm from the bottom brackets and replace bottom brackets with the new Carefree brackets provided.

**Note:** If converting an A&E awning the A&E carport foot will snap into to the Carefree bottom brackets for the conversion.

**B:** Mount both the front and rear bottom bracket with the #14 x 2 1/2" screws provided.

**C:** Replace the lower arms into the Carefree bottom brackets.

**Tip:** If new holes are needed, pre-drill the screw holes with a 3/16" drill bit to avoid cracking fiberglass or splitting the wood framing. Seal all holes with a silicone sealer to prevent leaks.

#### Step Three: Adjust Arm Assemblies

**A:** Remove the One-Touch hardware from it's packaging. Do not remove the flagged cotter pin from the non-motorized arm. Remove the bubble wrap from the hardware.

**B.** Measure the distance between the awning rail slot and the center of the bottom bracket (see fig 6).

- C. Measure the distance from the spider shaft to the bottom of the lower leg making sure the awning arm is FULLY collapsed. The difference between these two measurements are the number of holes you extend the lower arm.
- D. Remove the large Phillips screw from the arm assembly and slide the leg from the upper arm channel. Remove the T-sert from the lower leg. Count the number of holes needed and replace the T-sert, slide the leg into the arm assembly and replace the screw(see fig.5)
- E. Repeat process on other arm.
- F. If converting an A&E awning replace the end caps and spiders on both arms following the instructions provided with the conversion kit.

**Step Four: Remove Existing Hardware and Attach One-Touch Arms to roller.**

**A:** Unroll the existing one turn if the entry door is located under the awning and two turns if the coach has a front entry door (in front of awning).

**Note:** With two turns off the roller the awning will provide better shade.

**B:** Position a ladder at the rear arm, climb to height that the end of the roller is easily accessible.

**C:** Using a pair of vice grips clamp tightly on the back of the spring plug.

Remove the spring plug bolt from the upper arm. Carefully lift the spring from the arm, unwind the spring slowly and replace spring plug back into arm channel.

**Note:** Have a helper hold the arm next to coach while unwinding spring.

**CAUTION: THE SPRINGS ARE UNDER TENTION, CARE SHOULD BE TAKEN WHEN UNWINDING SPRING TO AVOID INJURY.**

**C:** Remove the lag screws from the upper mounting bracket.

**D:** Remove the screws or rivets from the spring mounting cap.

**F:** Using a helper to hold the arm, lift the spring assembly from the arm and remove it from the roller. While holding the roller tube, have a helper remove the existing arm from the bottom bracket. Then have the helper lift the One-Touch arm and snap the bottom foot into the bottom bracket.

**G.** Rotate the roller assembly until the pull strap slots is aligned with the flat side of the arm shaft where the spider attached (twelve o'clock). Slide the spider into the roller tube and rotate the end cap aligning the slot in the end cap with the pull strap slot. Attach the end cap with the two #10 square-drive screws or for an A&E conversion use the 3/16" pop rivets provided. See (fig.3)

**Note:** With the awning arms attached to the roller they should closely match (fig. 2). The end cap must be seated against the roller tube squarely to prevent the roller from wobbling when unrolling.

**C:** Repeat step B – G on the front arm assembly.

**D:** Remove cotter pin from non-motorized arm.

**Caution:** Removing cotter pin before advised will cause the motorized arm to be out of time with the non-motorized arm.

### **Step Five: Attach Jumper Cables**

**Tip:** Using the jumper cables located with the owner's manual, attach each alligator clip to the rivets on the bottom of the motor housing (see fig.?). Using a 12volt car or cordless drill battery hold the bare wires to terminals allowing the awning to operate independly of the coach. With this method you can complete all of the mechanical adjustments before you start installing the electronics.

**Note:** For alumaguard models it may be necessary to assist the deployment of the awning until the Alumaguard Tractioners are installed in step 8.

**A:** Roll the awning up against the RV and mark both rafter bracket locations.

**B:** Unroll awning one revolution.

### **Step Six: Install Top Brackets**

- A.** Position the top bracket over the awning rail pushing the bottom of the bracket up against the rail (see fig. 8)
- B.** Mark the mounting hole locations on the RV.
- C.** Pre-drill the mounting holes with a 3/16" drill bit, and attach the bracket with the #14 x 3" lag screws provided. Silicone sealant should be injected into mounting holes before attaching bracket.
- D.** Repeat above procedure on other arm.

### **Step Seven: Adjust Rafters**

**Note:** Fully unroll the awning as described above. Measure the distance between awning rail and the canopy slot in the roller tube. Divide that distance in half.

Remove the adjustment screws from the upper and lower rafter. Pull the rafters apart until the bottom of the rafter meets the correct measurement (see fig.10).

Then replace the adjustment screws. Repeat process on other arm.

- A.** Retract the awning until the valance slot is at the three o'clock position. While holding on to the lower carriage on the motorized arm assembly, cut and remove the cable tie holding the upper and lower carriages together for shipping. Push the lower carriage up the arm channel until the rafter has bottomed out in the arm assembly. Tighten the clamping screws on the lower carriage using the 9/64" hex wrench provided.
- B.** Repeat the above process on other arm.
- C.** Extend the awning until the rafters are fully extended (see fig.10). The gas shocks on both rafters should be compressed 1/4" – 3/4" at this time.
- D.** Move the collar on the motorized arm up until it touches the bottom of the gas shock and tighten the setscrews (see fig.9).
- E.** For auto retract model, move the collar on the non-motorized arm to the **BOTTOM** of the shock and tighten collar.

## **Step Eight: Install Alumaguard Tractioners for Carefree Awnings Only**

**A:** Cycle the awning in and out several times, to ensure the awning is operating properly and the roller assembly is extending evenly away from the arm assemblies. Verify the rafters are unfolding properly and resting against the elbow stops when fully extended (see fig. 10). Refer to the troubleshooting guide if operation does not appear correct.

**B:** On alumiguard models only, install the alumaguard tractioner on each end of the roller assembly (see fig.12). With the awning fully retracted, extend the awning and verify that the tractioners are engaging the alumagurd properly. When operating properly, the tractioner will engage the each end of the alumiguard cover and move it up and over the roller assembly while the awning extends. If required, move the tractioner to either of the other two holes to ensure engagement with the alumaguard.

## **Step Nine: Installing Safety Stops**

**A:** One installed the One-Touch arms must not be removed from the bottom brackets (NO CARPORT POSITIONING). Disable the quick release lever on the bottom bracket by installing the safety stops (see fig. 13).

## **Step Ten: Install Protective Pads**

**A:** Retract the awning fully until the rafter rubber bumper makes contact with the sidewall and mark that location for both rafters. Extend awning and apply the clear protective pad over the mark.

**Note:** The sidewall must be clean and dry to before applying protective pads.

**B:** Retract awning. All mechanical adjustments have now been made.