

CAREFREE AWNINGS

INSTALLATION INSTRUCTIONS AND OWNER'S MANUAL



for TRAILERS & MOTOR HOMES WITH STRAIGHT SIDES

Covered by one or more of the following Patents:
3918511, 3866874, 3980121, D240389, 4033397

TOOLS REQUIRED

1/4" Electric drill
Speed Handle
Ratchet Handle
3/8" Socket
7/16" Socket
Screwdrivers, blade and Phillips
No. 10 Drill Bit
3/32" Drill Bit
Extension Cord
2 Ladders
Hammer

Carefree of Colorado

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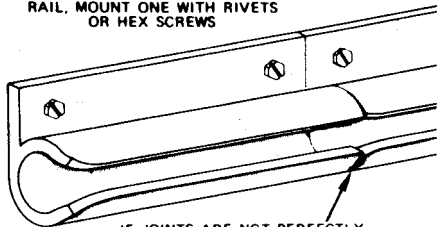
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INSTALLATION PREPARATION

1

- Check vehicle to see if awning rail is installed. If not mount one with rivets or screws.
- Decide where arms will fit and not interfere with lights, vents, mirrors, etc. Must be in even feet between center of brackets and should extend over the doorway.
- Cover any sharp projections with padding (rag or paper) and masking tape to avoid scratching holes in awning when threading into awning rail channel.
- Straighten and smooth awning rail. Use a screwdriver to spread one end slightly to allow easy insertion. Silicone spray will make insertion easier.

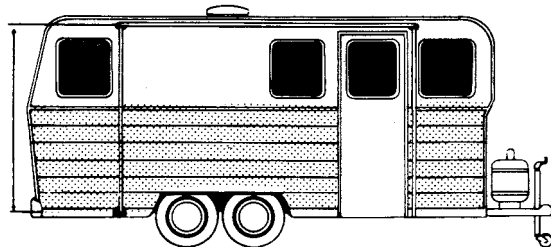
IF TRAILER HAS NO AWNING RAIL, MOUNT ONE WITH RIVETS OR HEX SCREWS



IF JOINTS ARE NOT PERFECTLY ALIGNED, OPEN NEXT SECTION

Available straight arms:

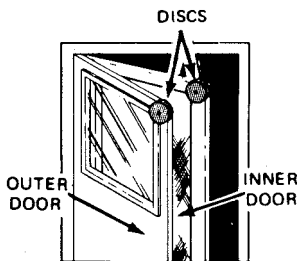
- Style to fit most straight side trailers measuring 78" or more between floor line and awning rail.
- Style to fit Executive Motor Homes and other straight sided vehicles with 68-78" between floor line and awning rail.



DISTANCE BETWEEN BOTTOM BRACKETS MUST BE THE SAME AS BETWEEN THE TOP BRACKETS, WITHIN 1/2"

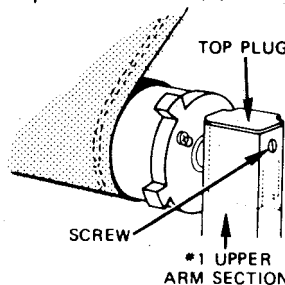
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To avoid damage to awning fabric, mount discs on both doors as shown. Filing the corners is a good precaution.



3

- Install black locking knobs into Rivnuts in brace sections.
- Remove awning from tube and plastic covering.
- Insert top plug into top of each arm and secure with #12 x 1" Phillips or hex head screw.



D. Cut off and discard twine sling.

4

AWNING INSTALLATION

- Adjust arms to height of awning rail and move to end of vehicle from which awning will be installed.
- While standing on ladder, wind awning the required number of turns toward vehicle.

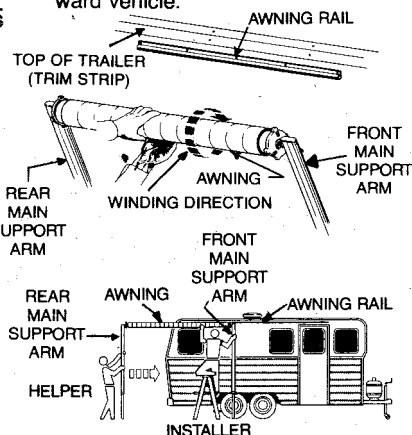
AWNING LENGTH

10 feet
12 to 13 feet
14 to 16 feet
17 to 19 feet
20 to 21 feet

NO. TURNS

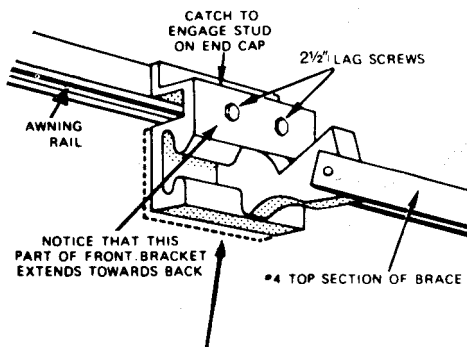
3
4
5
6
7

C. While holding spring tension on awning, slide awning into awning rail. With a helper on the ground, feed the awning into the rail while the helper walks the arms forward. Helper should move to other arm when awning is halfway inserted. Once awning is centered, spring tension will be held by end plugs and awning rail.



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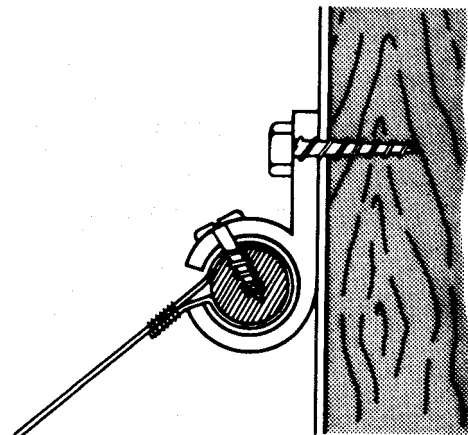
- Mount top bracket of front arm over awning rail with 2-1/2" lag screws through rail. The bracket must not angle inwards or a poor lock will result. Holes are slotted to allow for minor adjustment.
- Install back bracket in same manner.



NOTE: On Holiday Rambler and Winnebago a shim should be inserted here to hold bracket perpendicular to insure proper locking. On Franklin, cut 3/8" off bottom of top lip. This can also be done for Holiday Rambler and Winnebago if you don't have a shim.

6

To prevent awning from moving in awning rail, put small screws through ends of awning "rope" and into rail to keep plastic "rope" from slipping.



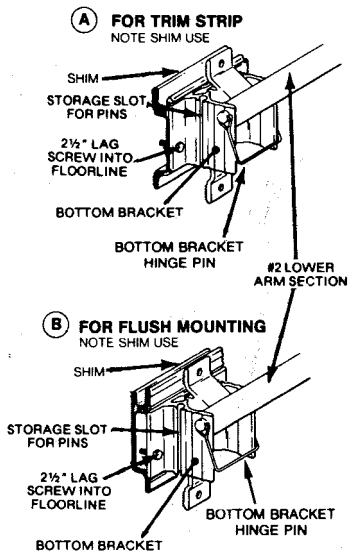
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- A. Align the arm vertically with a window or door and mount bottom brackets into floor line with 2-1/2" lag screws. If trim molding causes the bracket to rock, use bracket as shown in A to prevent the rocking. If trailer side is flat, use bracket as shown in B.

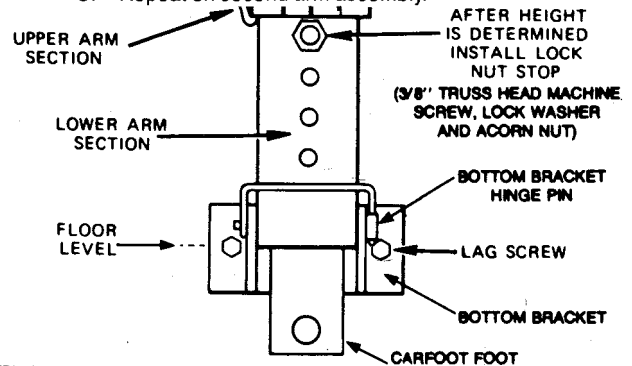
NOTE: Two vertical mounting holes are located behind carport foot. These may be used for extra strength when mounting over vertical support stud.

- B. Install other bottom bracket in same manner.

CAUTION: TRIM MOLDING IS USUALLY ALLIGNED WITH FLOOR BOARD. BUT CHECK IT!

**8**

- A. To prevent the arm from jamming in case the top section of the arm should drop down and "hit bottom", it is necessary to install "stops" just under the top section of each #1 arm channel (while they are in traveling position). This will allow better positioning of the arms on extra large vehicles, and make operation more convenient.
- B. After stop bolt assembly is installed, remove the white stop bolt sticker from the arm.
- C. Repeat on second arm assembly.

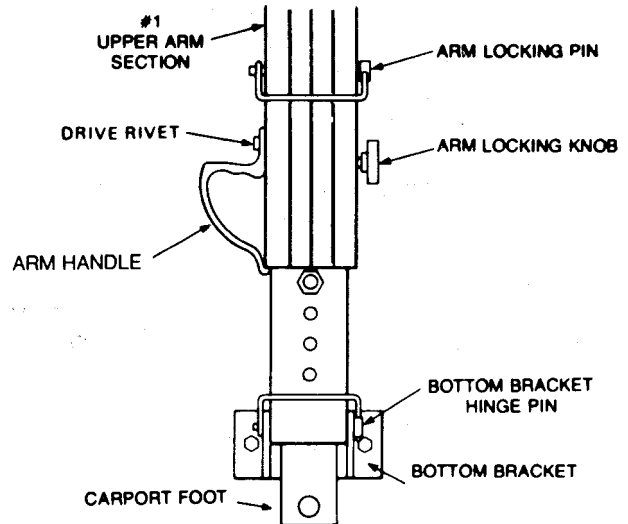
**9**

LIFT HANDLE AND LOCKING PIN INSTALLATION

- A. Place the bottom hook of the lift handle under the inside edge of the #1 upper arm section.
- B. Center lift handle on side of arm and secure by using the drive rivet. Black locking knob should be loose when using hammer to set drive rivet. If handle interferes with door, compartment, etc., mount on other side of arm channel.
- C. Be certain #3 lower brace is fully seated behind #2 lower arm section, with sliding fork retracted and both black knobs tightened.
- D. Squeeze the arm channels together and drill a 9/32" hole through the #1, #2, and #3 channels. Locate this hole position using the pre-punched hole in the outside arm channel, drilling 1/2 way through from each side of the arm.

CAUTION: Be certain you do not drill the sliding fork in this operation.

- E. Insert the arm locking pin.
- F. Repeat on other arm set.

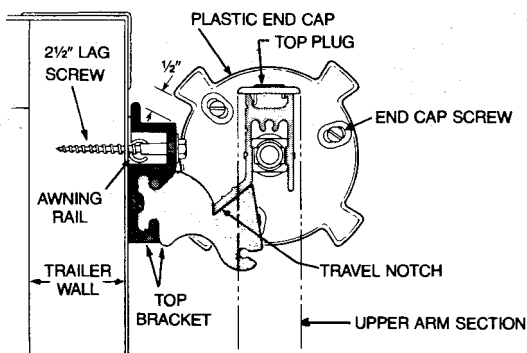
**10**

Extend awning several times to be sure that it rolls smoothly. It may be necessary to slide the canopy slightly toward one end. If arms do not lock easily into top bracket, adjust bracket position slightly.

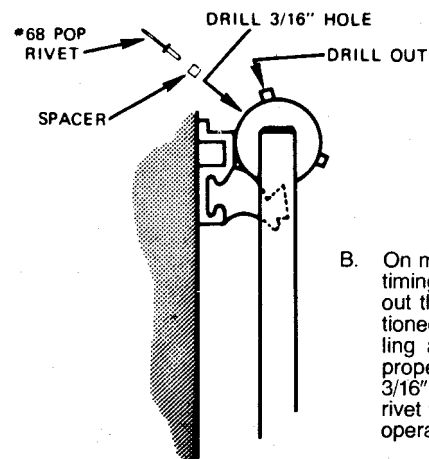
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SETTING ANTI-BILLOW LOCKS:

After the awning has been installed and operated several times, check that the anti-billow studs are properly positioned. With plastic type end cap, no stud should actually touch the top bracket. With metal-riquet end cap, stud must be 1/2"–1" from edge of top bracket.

**12**

- A. On plastic end caps remove 3 screws securing end caps (spring tension will not be released). Rotate cap until stud is properly positioned, and end cap holes line up with roller screw slots. Screw slots are located above and below each roller channel.



- B. On metal-riquet end caps timing is done by drilling out the improperly positioned stud, and installing a new stud at the proper position. Use a 3/16" bit and a steel #68 rivet with spacer for this operation.

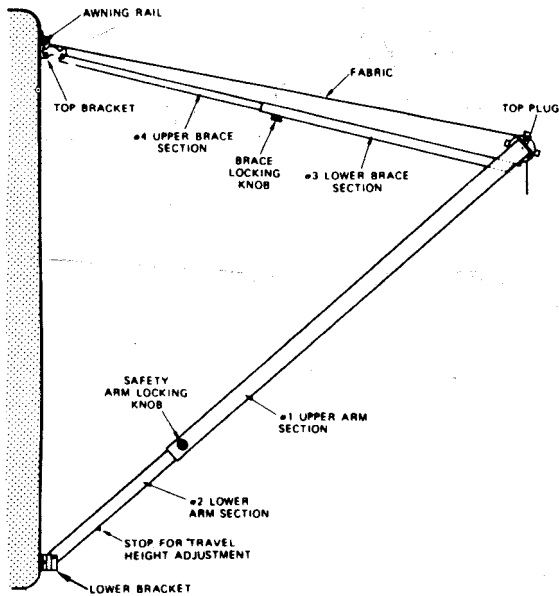
OPERATING INSTRUCTIONS

A. TO EXTEND AWNING

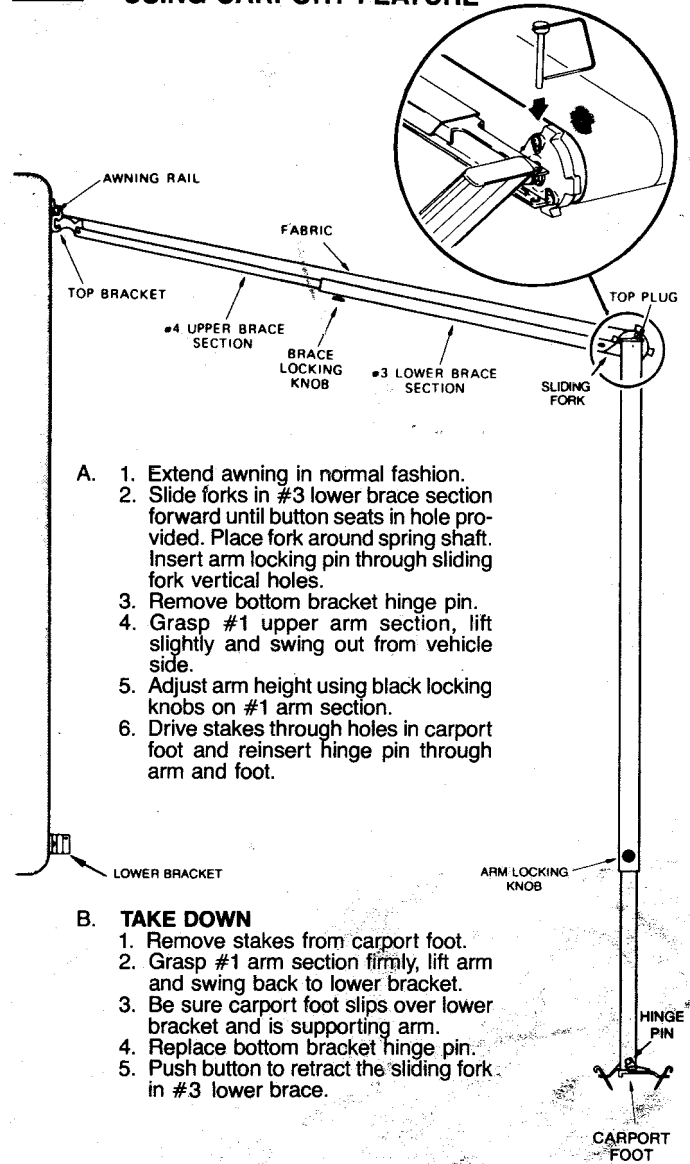
1. Loosen all black locking knobs. Remove arm locking pins in arm channels and store in slot on bottom bracket.
2. Lift arms out of travel notches (which are in top brackets).
3. Unroll awning fully and place braces under top plugs of extended lower arms. Tighten black locking knobs on upper brace section.
4. Slide both arms up together to raise front of awning high enough to clear opened door. Tighten black locking knobs on #1 arm sections.

B. TO RETRACT

Reverse steps 1 thru 4 above.



USING CARPORT FEATURE



- A.
1. Extend awning in normal fashion.
 2. Slide forks in #3 lower brace section forward until button seats in hole provided. Place fork around spring shaft. Insert arm locking pin through sliding fork vertical holes.
 3. Remove bottom bracket hinge pin.
 4. Grasp #1 upper arm section, lift slightly and swing out from vehicle side.
 5. Adjust arm height using black locking knobs on #1 arm section.
 6. Drive stakes through holes in carport foot and reinsert hinge pin through arm and foot.

B. TAKE DOWN

1. Remove stakes from carport foot.
2. Grasp #1 arm section firmly, lift arm and swing back to lower bracket.
3. Be sure carport foot slips over lower bracket and is supporting arm.
4. Replace bottom bracket hinge pin.
5. Push button to retract the sliding fork in #3 lower brace.

USING PARTIAL EXTENSION FOR CRAMPED QUARTERS

- A. Loosen black locking knobs and remove locking pins. Lift arms from top bracket travel notch. Extend awning.
- B. Slide fork in #3 lower brace section forward until button seats in hole provided.
- C. Place fork around spring shaft, and insert arm locking pin through sliding fork vertical holes.
- D. Set arm and brace length as desired.

CAUTION: When partially extended, the awning has unused fabric wound on roll bar. This allows easy water pocketing and will cause flapping in windy conditions.

AWNING USE IN RAIN

Lower the rear arm and raise the front arm to place awning on a tilt, (larger awnings require more tilt). Be sure to tilt awning enough to drain off water before it accumulates.

IF THE AWNING CANNOT BE TILTED ENOUGH TO PREVENT A WATER POCKET FROM FORMING, ROLL THE AWNING UP. DAMAGE TO AWNING CAUSED BY WATER POOLING IS NOT COVERED BY WARRANTY.

CLEANING

Mildew will not form on vinyl canopy material, but rather on dirt allowed to accumulate on the canopy. Keep awning clean to prevent formation of mildew. A quality cleaner such as Awning Magic, will keep your fabric clean and flexible. Household bleach may be used on stains. **DO NOT USE CAUSTIC CLEANERS, MILDEW REMOVERS, OR METAL CLEANERS ON FABRIC AS THEY CAN DESTROY AWNING COLORS.**

CAREFREE AWNINGS