FLEETWOOD FOLDING TRAILERS, INC. INSTALLATION INSTRUCTIONS

1968J448 August 1998

MODEL NUMBER 4742H9291 - AIR CONDITIONER INSTALLATION KIT

Please read this page prior to installing a roof mounted air conditioner on 1996 10' and 12' model Fleetwood folding trailers.

NOTE: This page applies only to 1996 model trailers manufactured with "ABS" top assemblies.

The 14" x 14" air conditioner cutout locator buttons could be mislocated on these trailers due to a change in the orientation of the air conditioner cutout jig during production.

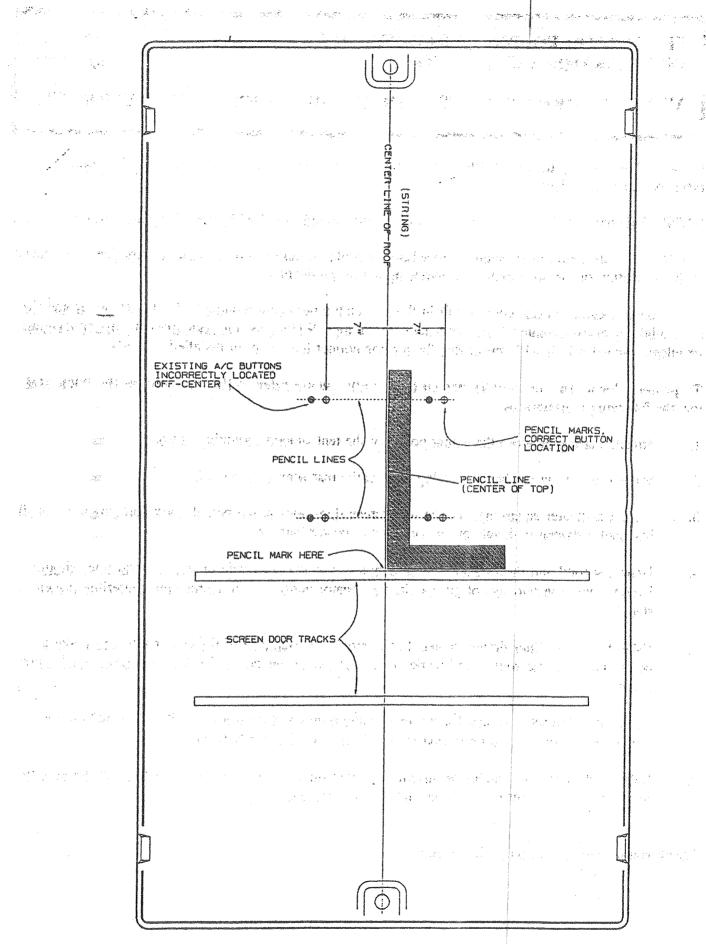
The incorrect locator buttons could result in the air conditioner being mounted 2"-4" off center and the air conditioner brace mounted 1 1/2" off-center in the top. While this does not present any functional problem, cosmetically it will appear that the air conditioner has not been installed properly.

To properly locate the air conditioner on these units, please refer to the diagram on the back and use the following instructions:

- 1. Stretch a string between the center points of the tent support mounting holes.
- 2. Make a pencil mark where the string crosses the rear screen door track.
- 3. Place a carpenter square against the rear screen door track at the pencil mark and extend a pencil line back between both sets of air conditioner locator buttons.
- 4. Draw a second and third pencil line perpendicular to the one made in step 3. The lines should intersect with the two sets of air conditioner locator buttons as they cross the centerline drawn in step 3.
- 5. Using the pencil lines drawn in step 4, measure 7" to each side of the center line and make a pencil mark. These four pencil marks are the proper center points for the air conditioner locator buttons.
- 6. Install air conditioner as usual using new center points as the corners of the 14" x 14" cutout.

 The air conditioner shroud will conceal the incorrectly located buttons.
- 7. Refer to standard air conditioner installation procedures for proper location of the air conditioner brace once the correct locator holes have been identified.

Thank you for your attention to this matter.



NOTE: This kit is for use on 1996 - 1998 models with ABS top assemblies.

This package contains:

1	mo	4757-584	Brace assembly	4	***	1202E040	5/8" O.D. flat washer
2	***	4754-925	U-shaped mounting bracket	1	-	4756-816	Wire cover track bottom
2	***	4754B926	Exterior mounting plate	4	No.	4739-415	Plastic cable clamp
5	NOM	1203C875	Dome head rivet	4	etes	4755-423	Vinyl screw caps
2	***	1200E224	1/4" x 20 x 6" carriage bolt	1	409	4748A659	Power cord
2	***	4738-047	1/4" x 20 nut	4	450	1201B637	1/4" x 20 lock nut
1	No.	4752-244	A/C caution decal	1	4=	1203-891	Rivet
1	***	1226D138	Snap stud	1	400	4350000059	Sealant tape
1	600	4723-337	Velcro strap	1		4756-817	Wire cover track top
2	60	4757-093	ABS plastic cap	1	-	4756A275	Glue kit
4	*10	1200E218	1/4" x 20 x 2 1/4" SS carriage bolt				

IMPORTANT NOTICE

These instructions are for the use of qualified individuals specifically trained and experienced in the installation of this type equipment and related system components. Installation and service personnel are required by some states to be licensed. Persons not qualified shall not attempt to install this equipment nor interpret the instructions.

INSTALLATION INSTRUCTIONS

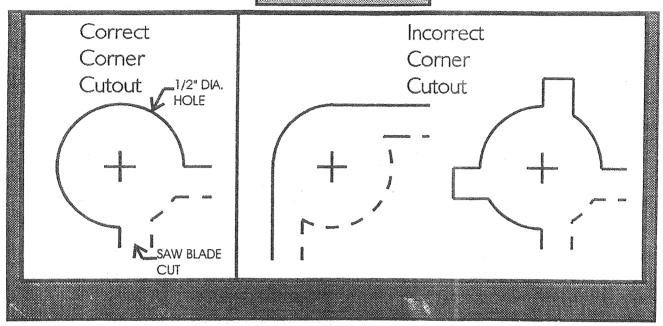
- 1. From inside the trailer, locate the four white plastic rivets that mark the air conditioner location on the top assembly.
- 2. If installing a Coleman 8000 series air conditioner or a Duo Therm air conditioner, remove the four white plastic rivets from the top assembly and enlarge each hole with a 1/2" drill bit. Drill through the entire top. See diagram 1. Using a jigsaw with a medium tooth blade (not a fine tooth or coarse tooth blade) cut from center point of hole to center point of hole.

IMPORTANT: When making air conditioner cut-out, ensure that cut lines are made from center point of hole to center point of adjacent hole, and also ensure that there are no "dead-end" cut lines on the outside of the cut-out.

Using a medium grit file or sanding block, finish the rough cut edges of the roof to remove any sharp points or rough edges.

IMPORTANT: Sharp points and rough edges must be removed to eliminate the possibility of cracks or fractures developing in the roof.

DIAGRAM 1



3. If installing a Coleman 7000 series air conditioner, remove the rivets from the top assembly and place the template against the interior of the roof. The template is not supplied in the air conditioner kit; all dealerships have been supplied a template kit for air conditioner installations (Coleman 7000 series air conditioners only). Align the four 1/4" holes in the template with the holes from which the rivets were removed.

NOTE: Ensure that the large oval hole on the front of the template is facing the front of the trailer.

Reinstall the rivets through the holes in the template and into the roof. Using a pencil or marking pen, trace the oval hole, the rectangular hole, and the two rear mounting bolt holes onto the inside of the roof.

Using a jigsaw with a medium tooth blade (<u>not</u> a fine tooth or coarse tooth blade), cut the holes marked in step 2 through the entire roof. It will be necessary to first drill a hole large enough to insert the jigsaw blade. Follow the rounded corners of the template, <u>do not cut square corners</u>.

Using a medium grit file or sanding block, finish the rough cut edges of the roof to remove any sharp points or rough edges.

IMPORTANT: Sharp points and rough edges must be removed to eliminate the possibility of cracks or fractures developing in the roof.

- 4. Orient the U-shaped mounting bracket on the inside of the roof as shown in figure 2 using the following procedure:
 - A. Begin on the roadside interior of the top assembly.

- B. For all models except the Sun Ridge and Bayside, place a straight edge against the rear edge of the rear screen door track and draw a light pencil mark from the screen door track outward to the radius on the inside of the top. For Sun Ridge and Bayside models, place a straight edge along the front edge of the front screen door track and draw a light pencil mark from the screen door track to the radius on the inside of the top.
- C. Place the U-shaped mounting bracket against the pencil line (in front of the pencil line on Sun Ridge and Bayside, behind the pencil line on all other models) at the very edge of the radius on the interior of the roof as shown in figure 2. The bracket should rest flat on the interior roof surface.
- D. Using the bracket as a template, mark the hole location closest to the pencil line on the interior of the roof, then lay the bracket aside.
- 5. Drill a 17/64" mounting hole straight up through the roof at the location marked in the previous step.
- 6. This step must be performed from outside the trailer. Place the exterior mounting plate over the hole drilled in step 5 and insert a carriage bolt through the exterior mounting plate and into the top assembly. Visually align the exterior mounting plate parallel to the rain gutter on the roof. Orient the plate so that it does not extend over the rain gutter. Be certain the exterior mounting plate is positioned so that the next hole drilled will match the location of the interior U-shaped mounting bracket (in other words, do not rotate the exterior mounting bracket 180°, which would cause the interior bracket to straddle the screen door track).
- 7. Using the exterior mounting plate as a template, mark the location of the second hole on the exterior of the top and remove the mounting plate and carriage bolt.
- 8. Drill a 17/64" mounting hole <u>straight</u> down through the roof at the location marked in the previous step.
- 9. Temporarily reposition the mounting plate on the exterior of the roof and insert the two carriage bolts.
- 10. For Sun Ridge and Bayside models, see figure 3. For all other models, see figure 4. Measure distance from end of canopy track indentation to edge of exterior mounting plate. This will be dimension "X". Remember this dimension.
- 11. For Sun Ridge and Bayside models, see figure 5. For all other models, see figure 6. Use dimension "X" from the previous step to locate curbside exterior mounting plate. Place exterior mounting plate parallel to the rain gutter, maintaining the same spacing between the exterior mounting plate and rain gutter as on the opposite side of the roof.
- 12. Using the exterior mounting plate as a template, mark the two mounting hole locations on the exterior of the roof. Orient the plate so that it <u>does not</u> extend over the rain gutter.
- 13. Remove the mounting plate and drill two 17/64" mounting holes straight down through the top assembly.

- 14. Place sealant tape on bottom of curbside exterior mounting plate and position on roof with 2 1/4" carriage bolts extending down through the top. Have another person inside the trailer. Drill-out and remove the screen door strap prior to installing the brace. Attach the U-shaped mounting bracket and air conditioner brace to the carriage bolts using two of the washers and lock nuts supplied. Thread the nuts onto the carriage bolts so that only one course of the carriage bolt thread is visible below the nut. **DO NOT TIGHTEN.** See figure 5 or 6 depending upon model.
- 15. See Figure 3. Place sealant tape on bottom of roadside exterior mounting plate and position on roof with 6" carriage bolts extending down through the top. Attach the U-shaped mounting bracket and air conditioner brace to the 6" carriage bolts using the two nuts (not lock nuts) and washers supplied. (The washers are provided to prevent the bracket from being scratched by the nuts.)
- 16. Tighten the nuts on the bottom of the 6" carriage bolts to draw the brace up to the roof. Remove one of the 6" carriage bolts and install a 2 1/4" carriage bolt, washer, and lock nut. Tighten securely. (Caution: Do not over-tighten bolts. Bolts should be tightened only until the top plate begins to squeeze sealant out evenly on all four sides.) Remove the other 6" carriage bolt and install a 2 1/4" carriage bolt, washer, and lock nut. Place vinyl screw caps on threaded ends of carriage bolts.
- 17. Return to curbside mounting bracket and securely tighten both carriage bolts. Do not over-tighten. See "Caution" in step 16. Place plastic screw caps on ends of carriage bolts.
- 18. Trim excess sealant from around both top plates. Be careful not to cut or scratch the top assembly when trimming sealant.
 - NOTE: The air conditioner brace is <u>not</u> permanently fastened to the roof so that it may "float" back and forth within the U-shaped mounting brackets as the roof expands and contracts.
- 19. Install the air conditioner per the manufacturer's installation instructions.
- 20. Locate the 20 amp wall receptacle to determine the proper air conditioner power cord routing and length. Cut the power cord to the proper length prior to wiring it to the air conditioner. Cut the wire cover to the proper length. Clean the brace with alcohol to ensure adhesion of the wire cover to the brace. Remove the backing from the wire cover and attach to the brace as shown in figure 7. Route the power cord through the wire cover and attach the wire cover top.
- 21. Use the enclosed plastic clips and four dome head rivets to attach the power cord to the roof. Place one clip between the shroud and the brace, and the remaining three clips above/behind the valance in the direction of the 20 amp outlet.
- 22. Use the remaining dome head rivet to fasten the white nylon strap to the interior of the roof near the lift pocket closest to the last plastic clip installed. This strap is for power cord storage.
- 23. Use the enclosed rivet and snap stud to attach the screen door strap to the air conditioner brace or the roof.
- 24. Orient one of the ABS plastic caps over top of the metal mounting bracket and carriage bolts on the exterior of the roof. Check for proper fit, making sure that the plastic cover does not extend over the rain gutter on the top assembly. If the cover does extend over the rain gutter, simply trim back the excess plastic edge to provide a proper fit. See figure 8.

- 25. Remove the ABS plastic cap and clean both the cap and it's contact area on the top assembly with alcohol. Allow the cap and top assembly to completely air dry.
- 26. Holding the ABS plastic cap away from "ABS" top assembly, apply a thin bead of glue around the base of the cap.

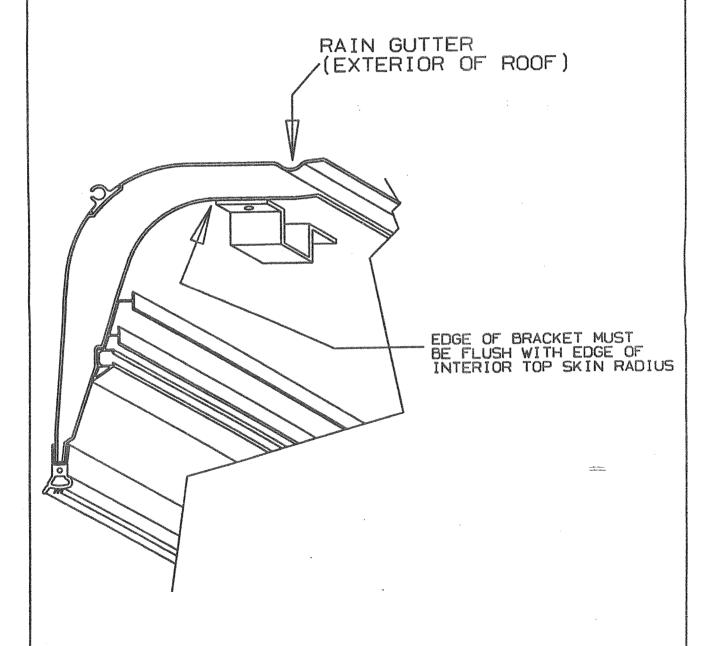
IMPORTANT: Once applied, do not allow the glue to be exposed to the air for more than <u>one minute</u>. The glue may begin to set-up causing a loss of adhesion.

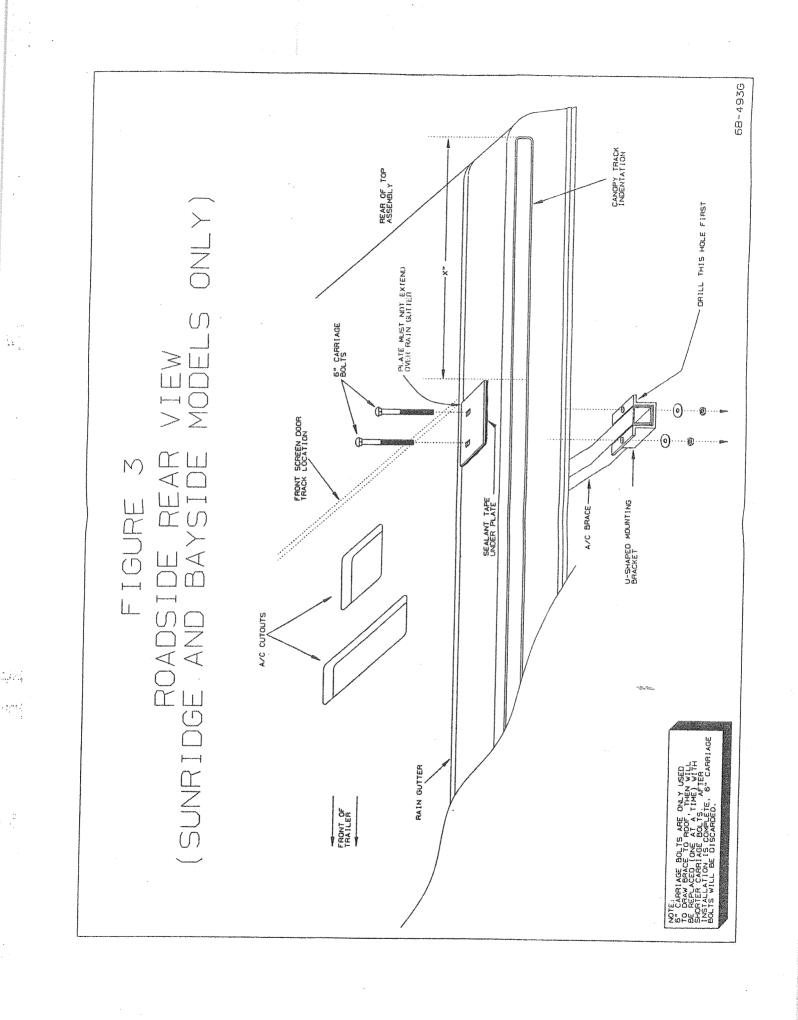
Apply the glue bead along the inside edge of the ABS plastic cap. This will help prevent the glue from oozing-out onto the ABS top assembly. Wipe excess glue off immediately with a paper towel or rag.

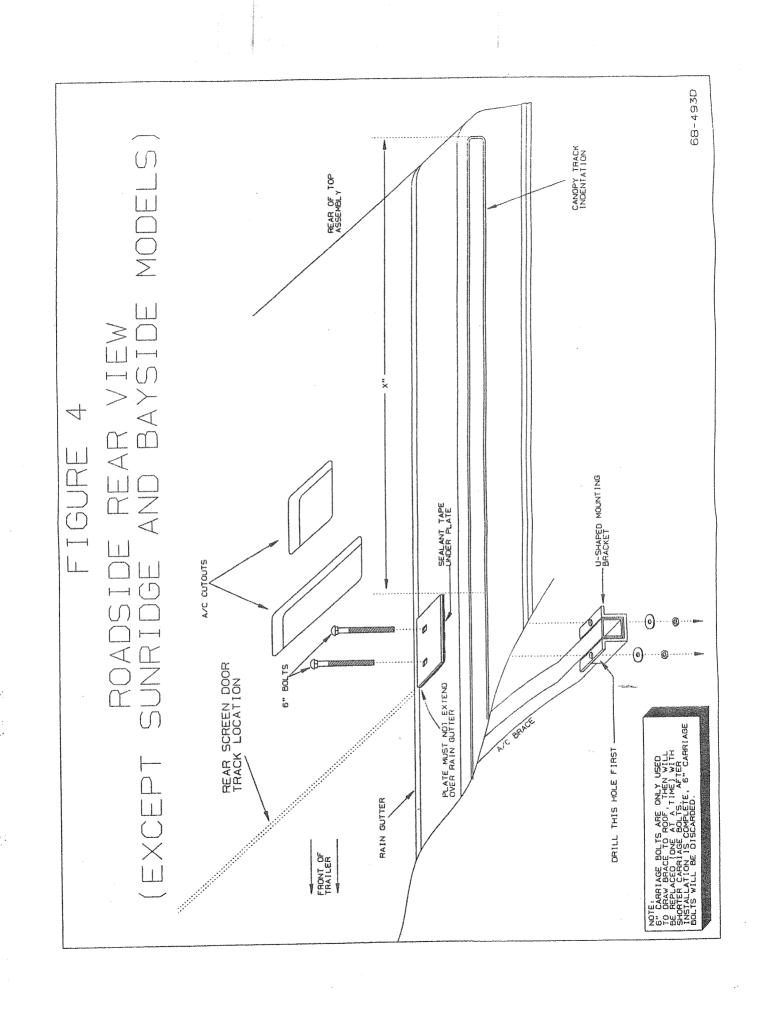
WARNING: Do not allow excess glue to come in contact with the top assembly or skin. Accidental spillage of the glue onto the top assembly or skin will cause an immediate reaction or damage. Wear all protective safety equipment (gloves) and read all material safety data sheets or labels included with the glue.

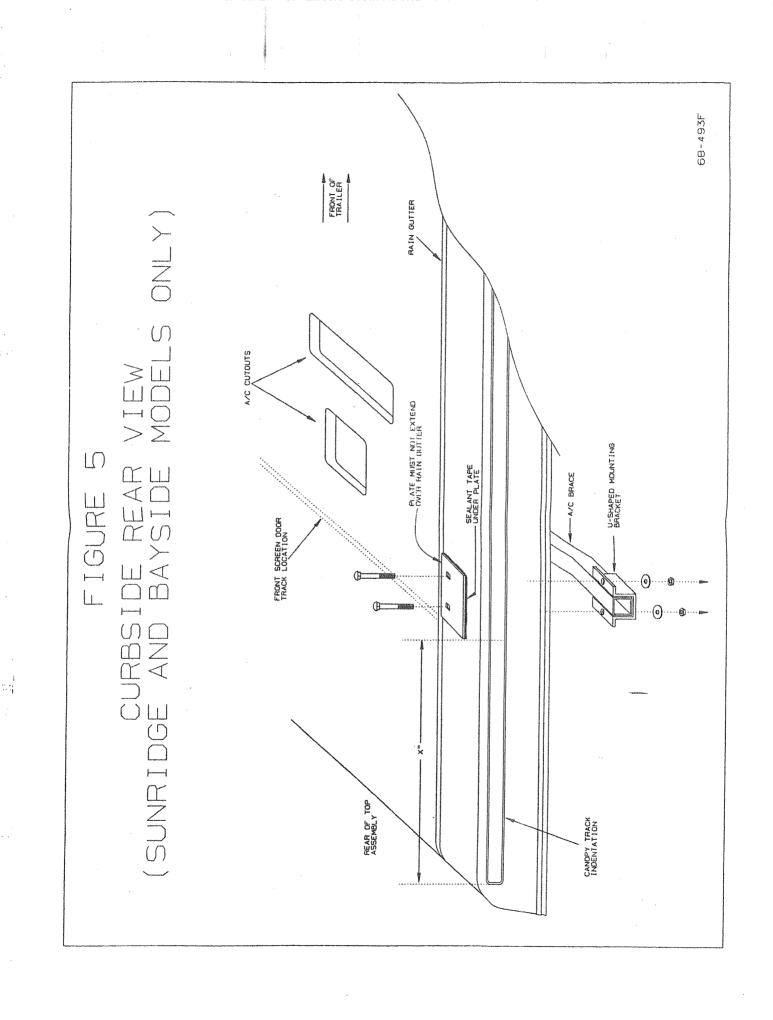
- 27. Use duct tape to hold the ABS plastic cap in place for approximately ten minutes until the glue sets.
- 28. Repeat steps 24 through 27 for opposite cover plate.

FIGURE 2









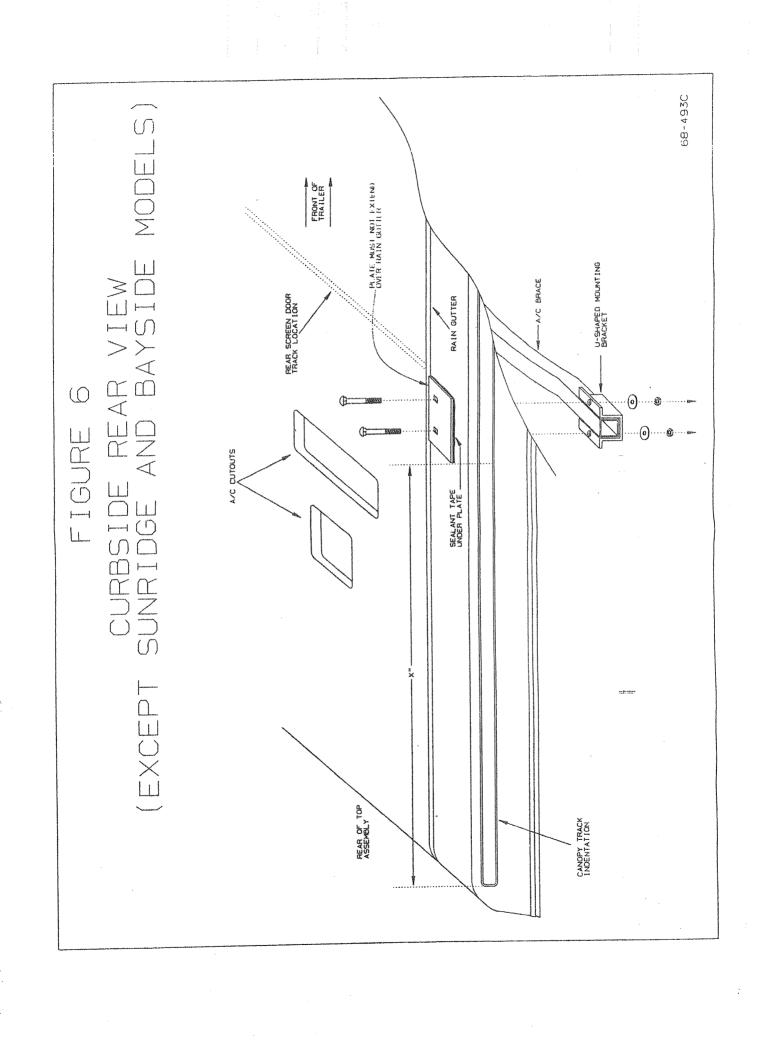


FIGURE 7

POWER CORD
TO A/C CEILING ASSEMBLY

WIRE COVER

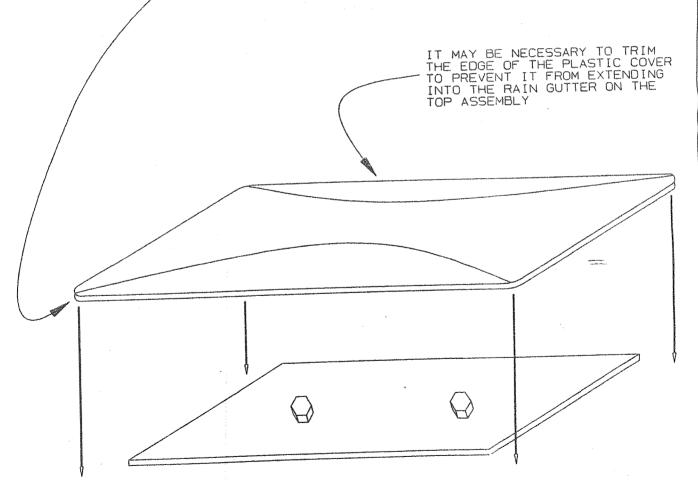
__A/C BRACE

POWER CORD TO 20 AMP WALL RECEPTACLE

NOTE: THE WIRE COVER CAN BE ROUTED TO THE ROADSIDE OR CURBSIDE, DEPENDING ON WHERE THE 20 AMP WALL RECEPTACLE IS LOCATED WITHIN THE TRAILER.

FIGURE 8

APPLY A THIN BEAD OF GLUE TO THE UNDERSIDE OF THE PLASTIC COVER FLANGE (ENTIRE PERIMETER). BE CAREFUL NOT TO GET ANY EXCESS GLUE ON THE TOP ASSEMBLY.



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