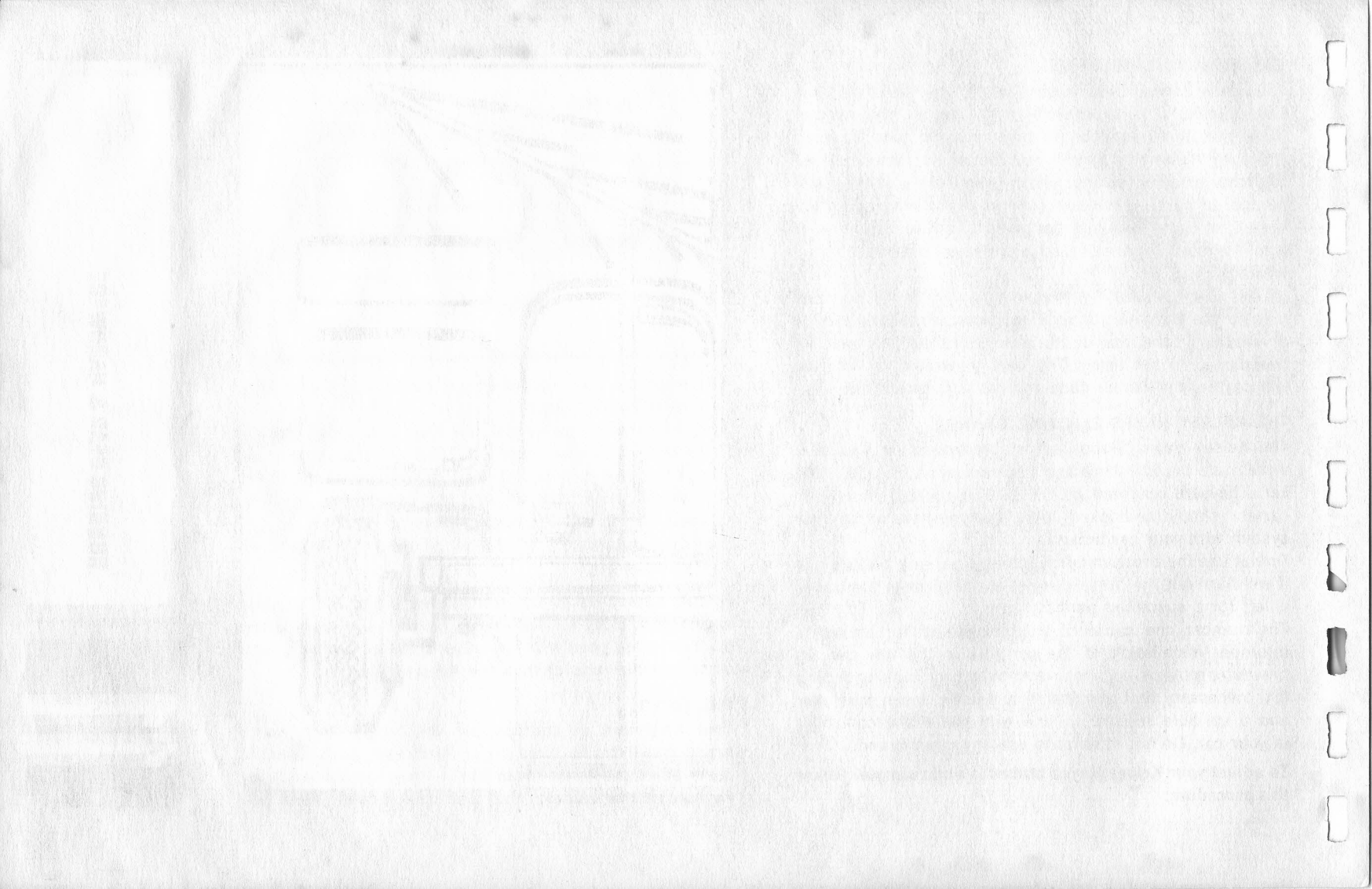


11

RUNNING GEAR & HARDWARE



THE DURA-TORQUE AXLE.

The new improved Dura-Torque axle in your Airstream has been referred to by experienced trailerites as "the greatest thing that has happened to trailers since they invented the wheel." The axle gives a much finer ride than the conventional axle and spring, and by elimination of the great number of parts, eliminates sources of maintenance problems. The Dura-Torque is designed to last the life of your trailer without service except to the wheel bearings.

WARNING!

Under no circumstances should any welding be done on or near the Dura-Torque axle (such as in mounting skids or welding in the area of the axle where the heat may be transferred to the axle). The heat generated by welding will destroy the rubber pads and cause failure of the axle.

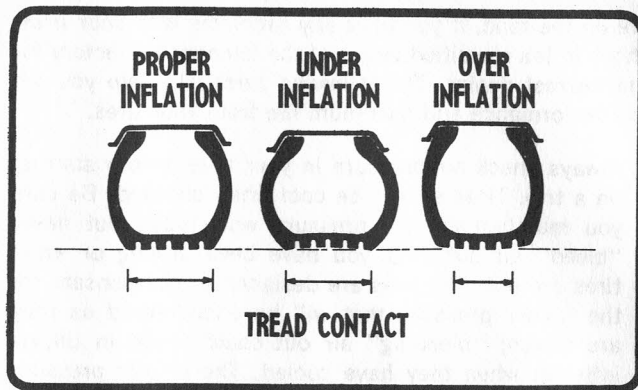
THE KELSEY HAYES ELECTRIC BRAKES.

The Kelsey Hayes 2-shoe adjustable brakes on your Airstream are the finest electric brakes available on the market. They are operated by the 12-volt current from your car and should be hooked-up so that you have an integral system with your car brake.

Do not use the break-away switch as a parking brake since it will burn out the brake magnet and discharge the trailer if left for a sustained period.

The number one cause of trouble with trailer brakes is improper installation of the controls in the tow car. To prevent problems and insure satisfactory braking action it is necessary that you install a Kelsey Hayes controller and a variable resistor in line with the brake controller in your car. Do not attempt to use any other brand.

To adjust your Kelsey Hayes brakes is quite simple. Follow this procedure:



1. Remove the small rubber plug at the base of the backing plate on the brake drum.
2. Jack the wheel up so you can spin it by hand; tighten the brakes (using a brake adjusting tool or a screwdriver that has been bent to a 90 degree angle) until the wheel is locked; then back off until you have a free spinning wheel (which will be approximately 15 notches).
3. Repeat this operation with all of the other wheels on your trailer.

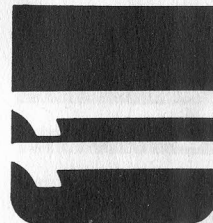
Neither Kelsey Hayes Co., nor Airstream Inc. will assume any responsibility for the brakes on your Airstream if the tow car is equipped with any other brake controller or any other variable resistor than the Kelsey Hayes,

THE TIRES.

Your Airstream is equipped at the factory with name brand travel trailer tires. Your Airstream dealer cannot make adjustments on these tires — they can be made by any dealer that handles that particular brand. When you

axle
brakes
tires

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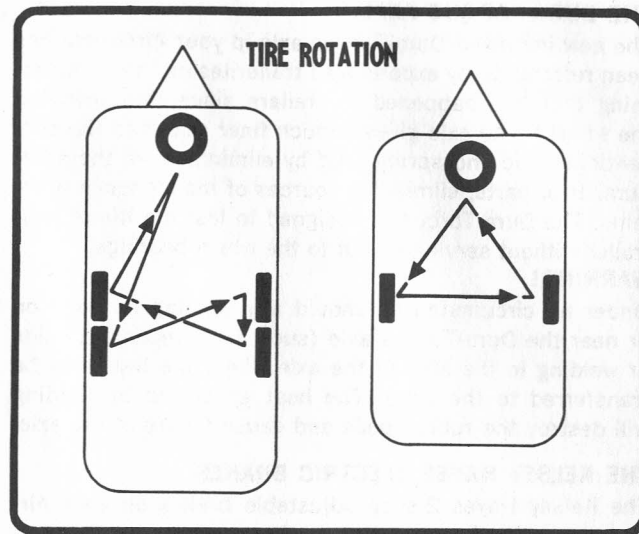


are on the road, if you have any problems with your tires, check in the classified pages of the telephone directory for the nearest dealer. The following rules will help you get top performance and maximum life from your tires.

1. Always check air pressure in your tires before starting on a trip. Tires should be cool when checked. Be sure you maintain correct pressure when cool, but never "bleed" air out after you have been driving or when tires are hot. The tires are designed to compensate for the higher pressure that will be encountered as they are driven; "bleeding" air out could result in under-inflation when they have cooled. The proper pressure for tires for tandem axle Airstreams (7:00 x 15, 6 ply) is 45 psi; for single axle Airstreams (7:00 x 15, 8 ply) is 60 psi. Make sure valve cores and valve caps are tight to prevent loss of air.

NOTE: On single axle Airstreams the 65 psi will cause a harder ride, lower pressure may be used if you do not load your trailer too heavily. Refer to figure on page 101 if in doubt.

2. When parked between trips, maintain recommended air pressure in all tires at all times.
3. Whenever possible, park in shaded areas so that tires are not exposed to the direct rays of the sun.
4. If parking for extended periods of time, put your trailer on blocks so that tires do not touch the ground. If you park in areas where sunshine prevails such as the desert region, California, or Florida, it is recommended the tires be covered to protect them from the ozone deterioration of the sun. A handy cover, which is easily attached and removed, is available through Wally Byam Stores. If local parking regulations permit, and facilities are



available, remove tires and store them in a cool dry enclosure.

CHANGING FLAT TIRES.

One of the bonuses that result from having independent Dura-Torque suspension on tandem model Airstreams is the ease with which a flat tire may be changed. On a tandem trailer, to change one of the wheels it is necessary only to drive the remaining wheel on the same side up on a block about 6 inches thickness. The wheel with the flat tire will then clear the ground to a point where it is possible to remove it and replace it without the use of a jack. If a spare is not carried, it is quite possible to drive the unit for some distance on 3 wheels only. On single axle trailers, it will be necessary to jack up trailer to change tires. Place the jack

under the main frame rail. A 3-inch aluminum pad is provided to indicate the proper position for the jack.

FOLD-AWAY STEP.

The Airstream fold-away step can be lowered into the open position by pulling out the handle that is located between the main door and the step. The step should drop fully out into a locked position. In case the step does not lock, be sure to pull out on the step itself until it does drop into the locked position. To return step to the folded-up position, grasp the lower front edge of the step (keep fingers off top of step!) and push the step upward into the opening with enough force to engage the lock which is integral with the handle.

The auxiliary step extension (optional) can be placed into position by unfolding the wings of the step extension and inserting the square bars into the holes provided in the front of the fold-away step. Do not travel with auxiliary step inserted in fold-away step. Place the auxiliary step in the storage bracket provided under the trailer, forward of the main step.

THE MAIN DOOR.

It is very important that the main door of your trailer be completely closed and locked during towing. If it is not properly secured, the constant vibration of travel can cause it to fly open and possibly cause damage.

CAUTION: The door latch acts as a deadbolt when it is locked. DO NOT slam the door with the door latch in the locked position. Should you find it rather difficult to unlock the door, push in to release the pressure on the door latch.

SCREEN DOOR.

The screen door is designed to provide the maximum amount of ventilation and convenience while at the same time be out of the way and unnoticeable when not being used. To accomplish this the screen door is hinged at the same point as the main door so that when not needed, the screen door is latched to and practically becomes part of the main door. To use the screen door, unlatch it from the main door, latch the main door fully open with the latch provided on the side of the trailer, and close the center panel of the screen door. To take the screen door out of operation, reverse the process. Open the center panel to provide clearance for the door handle and latch the doors together.

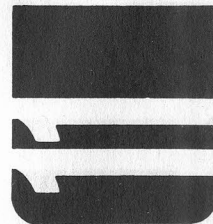
The curved and flat windows in your trailer are of tempered safety plate glass — the same type of glass used for the side and rear windows of automobiles. The tempering process makes the glass incredibly strong, and at the same time prevents it from injuring anyone if it should be broken. It can be shattered by a hard blow, but if this should happen, the glass tends to shatter into small, dull, harmless particles. No special care is required for the windows, and they may be cleaned with any good glass cleaner. The front window gravel guard is made of long lasting Butyrate. This material can be damaged by harsh abrasive cleaners and should be cleaned only with soap and water.

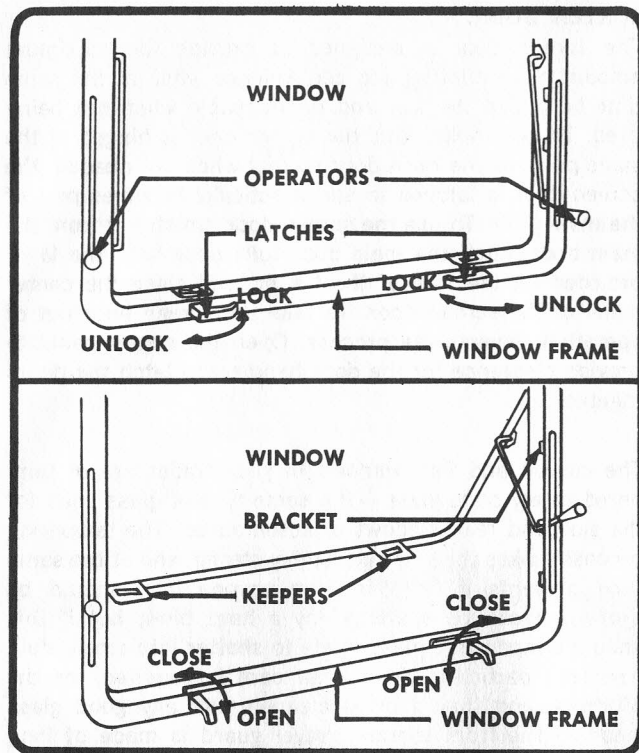
OPERATING INSTRUCTIONS

You will notice that all opening windows open outward (Front corner windows do not open). To open: Unlock the latches on the lower window frame (see illustration), then

foldaway step
doors
windows

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HARDWARE





open the latches by turning them towards each other until the latches disengage from keepers.

Lift up and push outward slightly on the operators (on sides of window frame) until window is at desired position. Pull operators toward you and lower operators into one of the three sets of brackets provided in sides of window frames.

To close: Lift up and push outward slightly on operators to disengage them from brackets—lower window to close position. Close latches by turning them away from each other until they fully engage keepers on lower edge of window. Lock latches (see illustration), this will seal window.

For maintenance and window replacement instructions see chapter 14.

SCREENS.

The door and window screens are made of plastic for longer wear and ease of maintenance. They can be easily cleaned with a damp cloth, and of course, they cannot rust. However, while the screen material will not burn, contact with fire, such as a lighted cigarette, will cause it to melt at the point of such contact. Should your screens become damaged for any reason, your Factory Service Center is equipped to replace the screen material.

CEILING VENTS.

The ceiling vents provide maximum ventilation and cooling in the trailer while still keeping the rain out. The vent lids are opened by rotating the hand cranks located on the frame. For maximum ventilation, both the front and rear of the vent should be opened. Lesser venting can be had by opening only one end. Opening one end can also be an advantage in case the wind is blowing hard from one end of the trailer, causing drafts. The optional fans increase the amount of ventilation gained. The screens can be removed for periodic cleaning by removing the hand cranks and merely pulling the screen downward to unhook the spring clips.

DOOR CATCHES.

Wardrobe and cabinet doors are equipped with hidden catches. To open, just squeeze the catch; to close, just

shut the door firmly — the catch will engage by itself. Doors under the beds and lounges are opened by lifting upward on the lower edge of the door, raise to the horizontal position and slide door back into bed frame.

DRAWERS AND SHELVES.

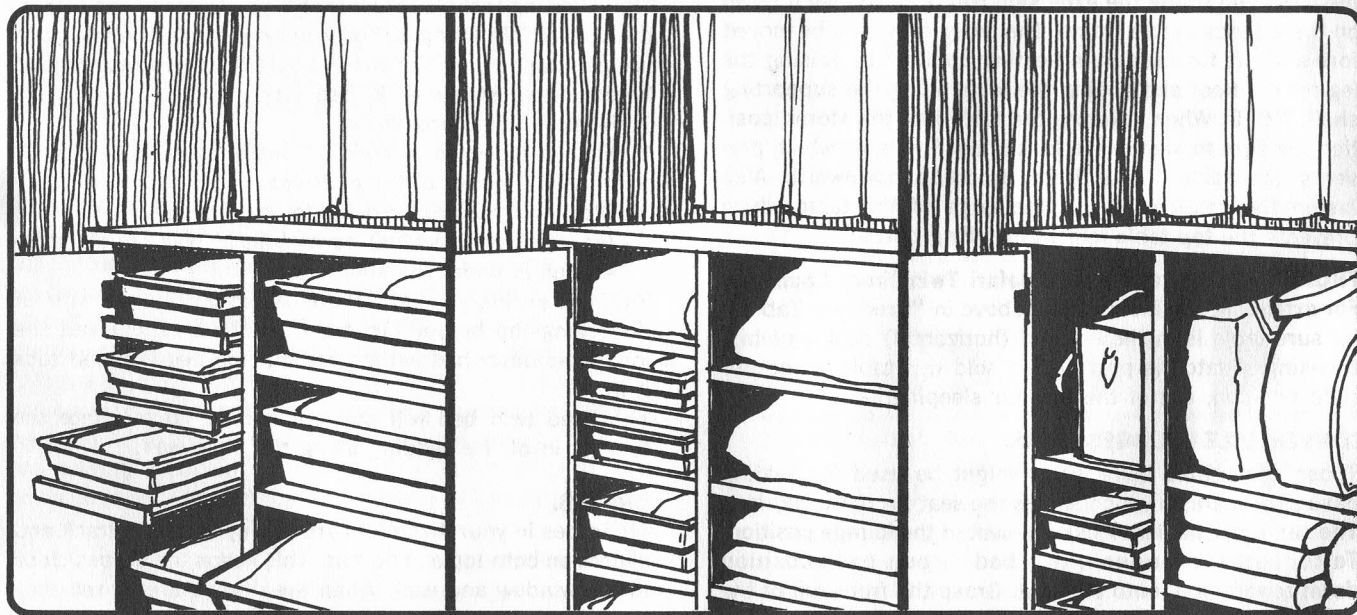
All drawers and shelves in "flexible storage" areas are removable, allowing you greater flexibility in arranging the storage of your possessions to your own particular liking. All drawers have molded-in handles for ease of operation. The drawers are built so they can be stacked and carried easily into the house prior to loading the trailer.

MEDICINE CHEST

This area is behind the mirror in the bathroom. The 120V and optional 12V outlets are located within the compartment so shaver and electric tooth brush may be left plugged in while mirror is closed. The small shelf beneath the main shelf will hold small medicine bottles and other small items.

CREDENZA TABLE (standard except models with Safari Twin Front Lounges).

The credenza table can be in either the open or stored position for towing. To open the table for use, slide it



drawers and shelves
tables

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HARDWARE

toward the rear enough to clear the front lounge and raise the table to the horizontal position. While holding it horizontally, unlock the folding leg and pivot the leg into the vertical position. The leg is unlocked by sliding the locking collar down the leg about $\frac{1}{4}$ inch. When the leg is moved into either position, it will lock itself.

To extend the table, unlock the latch under the table near the leg so that the extension slide can be pulled out. Lift up slightly on the table so that the leg is off the floor and pull the table frame (including the leg) out as far as it will go. Release the small catch on the edge of the table near the shelf and rotate the extension leaf over and lay it down on the extended table frame. The entire table can be moved fore and aft for maximum seating comfort by raising the leg off the floor and sliding the table along the supporting shelf. **NOTE:** When lowering the table into the stored position, be sure to secure the lock under the table which prevents the table frame from dropping downward. Also fasten the small catch on the edge of the table which prevents the top table leaf from falling outward.

FRONT TABLE (trailers with Safari Twin Front Lounges).

For extending see instructions above in "Credenza Table." Be sure table is in the lowered (horizontal) position while traveling. A latch is provided to hold this table in the upright position, out of the way for sleeping.

CONVERTIBLE LOUNGES/BEDS.

Those convertible beds which might be used for seating have a mechanism which slopes the seat for more comfort. The same mechanism locks the seat in the lounge position. To convert the lounge into a bed . . . pull back cushion down toward you, onto the seat. Grasp the front rail of the seat, lift approximately $\frac{1}{2}$ " and pull out seat to full exten-

tion (there are built-in stops). Now fold rear cushion back down to form the bed. To convert the bed back into lounge, simply reverse the process.

On side-pullout (gaucho) beds, the shelf behind the rear bolster is hinged to provide more sleeping space. When converting the bed into lounge, be sure to raise this shelf onto the blocks on the back side of the rear bolster. **NOTE:** On the front travel lounges and side-pullout (gaucho) beds, the space behind the rear cushion (below the shelf) is ideal for storing bedding.

MAKING BEDS.

The following technique will enable you to make and foldup the convertible lounges/beds quickly. Make the bed in a normal manner, pulling the bedding tight (we recommend bottom fitted sheets — $\frac{3}{4}$ bed size).

1. Remove and store pillows.
2. Fold in the ends of bedding neatly to expose approximately 2 inches of the mattress.
3. Starting from edge closest to you, roll up the bedding (as tight as possible) toward back wall, until entire bedroll is under the shelf.

This will enable you to convert bed into a lounge without disturbing the bedroll. To make up the bed, pull out the lounge as described earlier, roll out the bedding and tuck it in.

The fixed twin bed will pull out enough to facilitate the tucking in of the bedding along the back wall.

DRAPES.

All drapes in your Airstream are equipped with a track and sliders on both top and bottom. This keeps the drapes close to the window and wall. When the drapes are closed they block vision and light very well. The double track and slider

system also keeps the drapes neat looking at all times, and prevents the drapes from swinging while traveling.

TELEPHONE SHOWER HEAD.

The telephone shower head is designed to give maximum flexibility in usage and provide for water saving techniques when using your trailer on self-containment. To conserve water the shower should be held in hand and moved about the body. Normally, the best water conservation procedure is to wet entire body and then turn water off. Apply soap, lather thoroughly, turn water on and rinse soap off body. Some people find sitting in the tub a little more convenient than standing while using this method.

On International models, the shower can be turned on and off without disturbing the hot-cold adjustment, because this feature is built into the faucet. In the Land Yacht series, a small valve is provided on the shower head for this purpose. As a fixed shower, the head can be attached to either of the two wall brackets, however, more water is used this way.

The telephone shower is also used to fill the tub for taking a tub bath. The shower head should be attached to the lower wall bracket and directed into the tub for this purpose.

The dump valve handle has a wire loop which locks the handle in the closed position. This lock should always be used while traveling to prevent the valve from working its way open.

To unlock the valve handle, push outward on this wire loop and it will snap loose and allow the valve to be opened. Before attempting to lock handle in place with this wire loop, be sure handle is pushed completely into a closed position.

OPERATING INSTRUCTIONS:

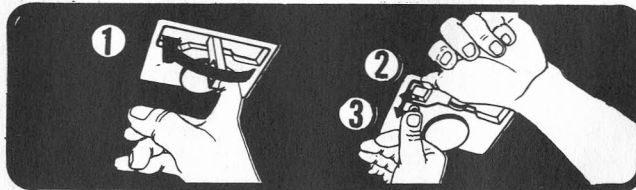
Opening closing and rotating of T.V. antenna is accomplished from **inside** the trailer. The controls are on the ceiling of your trailer directly below the antenna. To open antenna dipoles swing arm (see illustrations) (1) to opposite position. **Hold arm** in this position (2) and slide lock completely **into** side of arm. (3) Turn on T.V. set and select channel. While watching T.V. picture, rotate large round knob on antenna control panel counter-clockwise until best picture is obtained. The antenna and controlling knob have a built-in stop after antenna has rotated 360°, so if antenna stops, reverse direction of rotation to adjust for best picture quality. Whenever changing T.V. channels, re-adjust antenna direction for best picture quality.

TRAVEL POSITION:

To close T.V. antenna and place it into travel position do the following two things (at antenna control panel).

1. Rotate knob clockwise until it stops (this places antenna in the proper direction for travel).
2. Hold arm in its locked position. At the same time slide lock completely **out** (2) of side of arm. Now **slowly** swing arm to opposite position (this closes dipoles).

NOTE: Before pulling away, glance at T.V. antenna to see that the dipoles are closed and that the antenna is pointed straight forward.



shower head
dump valve lock
t.v. antenna

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