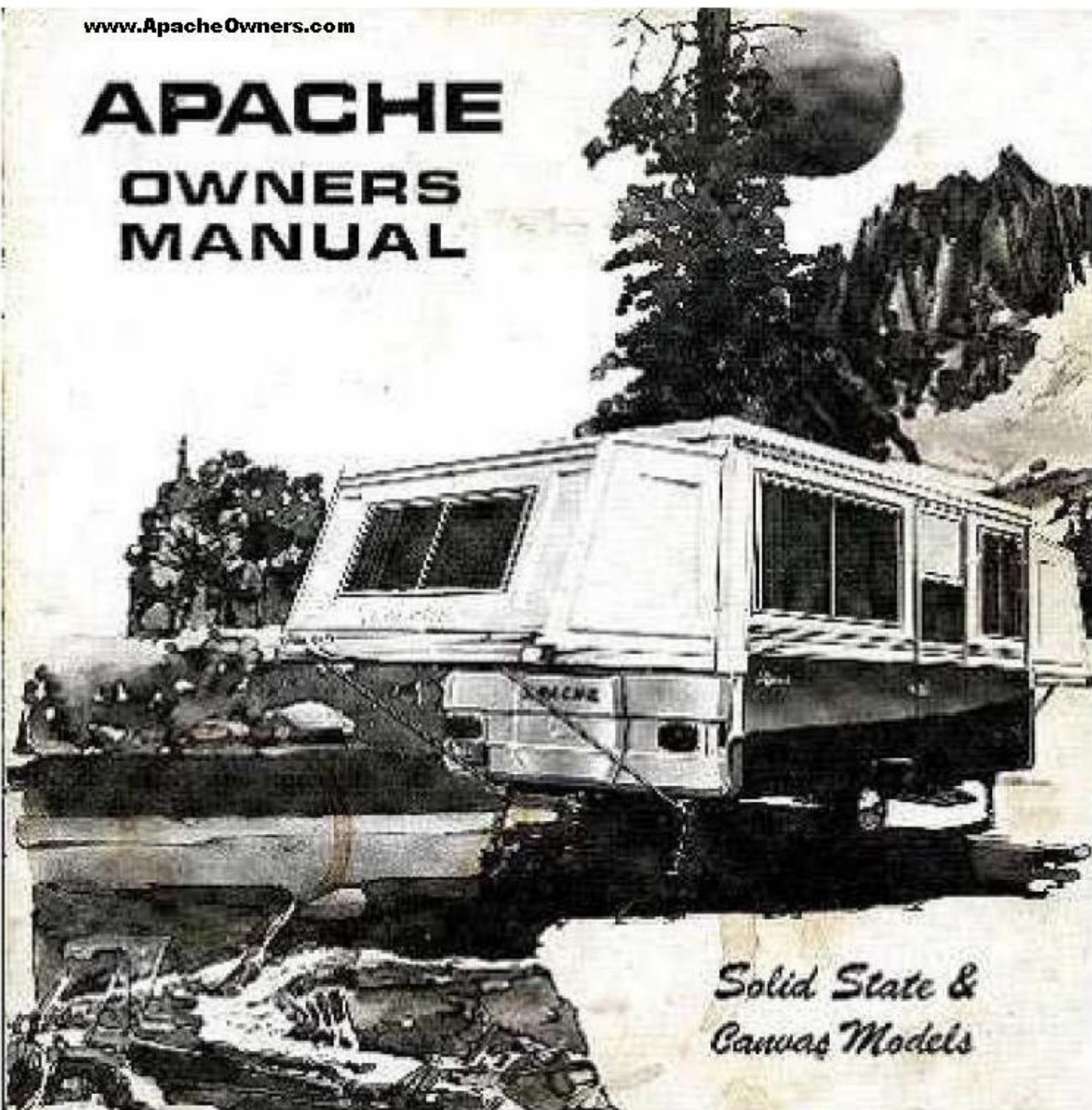


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APACHE OWNERS MANUAL



*Solid State &
Canvas Models*

TO THE NEW APACHE OWNER:



Your new Apache has the most advanced engineering of any folding camping trailer. Many of its features are designed for extra living comfort and convenience. Others make for easy towing and handling, and for fast set-up at the campsite.

This owners manual has been prepared to acquaint you with these features and to explain the proper operation and maintenance of your Apache. It also contains important information regarding the Apache owner's warranty.

Read the entire manual carefully before you set up the trailer for the first time. It's a good idea to keep the manual inside the trailer so it will be available for reference on camping trips.

To be sure your camper gets the expert care it deserves, see your Apache dealer. He has the special tools, genuine parts and technical know-how to keep it in top condition. He also handles the complete line of Apache comfort and convenience accessories.

Apache dealers are located throughout the U.S. and Canada. When traveling, find the dealer nearest you by consulting the Yellow Pages under "Trailers-Camping and Travel".

All instructions and specifications in this manual were considered correct at the time of publication. Vesely Company reserves the right to make changes at any time, without notice, in specifications, designs, equipment and materials.

Vesely Company 2101 North Lapeer Road
Lapeer, Michigan 48446



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GETTING ACQUAINTED

Set-up your new Apache and run through the following list to familiarize yourself with its features. Before taking an extended trip, it's always a good practice to take a short shake down trip for a weekend.

1. Read the entire manual.
2. Set up the trailer in accordance with the set up instructions.
3. Check operation of all accessories.
4. If equipped with a furnace, allow to operate for a couple of hours to burn off new smell.
5. On canvas units, wet down the tent with a garden hose. This initial wetting is required to tighten the material fibers and seams for water tightness. Do not touch the inside surface of the canvas while it is wet. Leave set up until completely dry.
6. Check to see that your car's lug wrench fits the trailer lug bolts.

GETTING READY TO GO

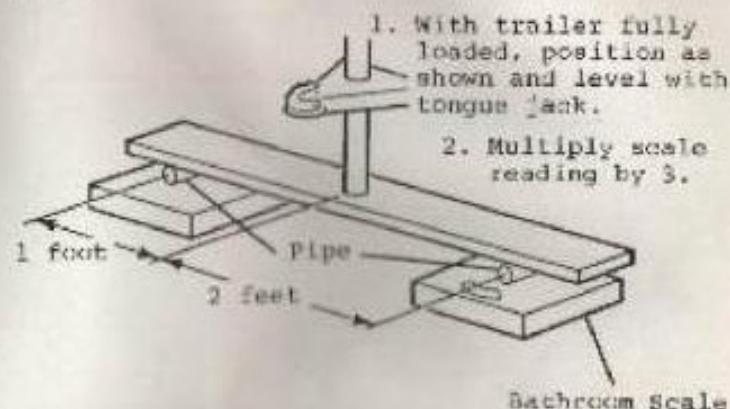
Suggested Tool Kit

1. Square drive screwdriver.
2. Phillips screwdriver.
3. Hydraulic or scissors jack.
4. Lug wrench (if car's lug wrench does not fit).
5. Stabilizer jack handle.
6. Crank.
7. Tool case.
8. 50 foot garden hose. (for city water hook-up).
9. Three foot garden hose and pail. (for waste water disposal system).
10. Four blocks of wood (6" x 6" x 1" approximately).
11. Tire air pressure gauge. (in increments exceeding 30 PSI).

Loading Your Camper

The maximum carrying capacity of your trailer is given in the specifications section of this manual. From this capacity, you must subtract the indicated weights for accessories. Exceeding this capacity, may result in premature tire life, and/or axle damage.

Camping gear should be stowed so as to prevent excessive movement and lashing about. Also, it should be distributed so that 10% - 15% of the GVW rests on the coupler ball for the best towing results. This can easily be checked using a bathroom scale, as shown below.



Never carry any object on the road cover of your trailer. Not only could it damage the cover, it will affect the towing performance and may add to over-loading.

Physical Check of Trailer

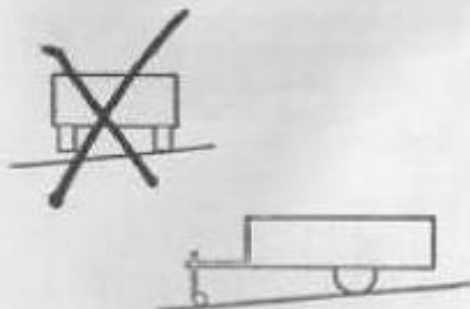
1. Tires inflated to correct pressure.
2. Lug bolts tightened to 110 ft. - lbs.
3. Coupler is securely fastened and locked.
4. Safety chain is attached.
5. Electrical harness is connected and all lights operate properly.
6. Gas bottles are properly filled and main valves shut off.
7. If equipped with refrigerator, check that exterior vent door is closed and locked.

Driving

1. Remember you have another vehicle behind you when:
 - a. passing
 - b. stopping, try to anticipate stops.
 - c. turning
2. Check side view mirrors often to eliminate surprise over-takings.
3. When backing, the trailer will go in the opposite direction of which you turn the front wheels of the car.

SET-UP INSTRUCTIONS

1 Pull or back trailer onto campsite. Try to position trailer so that majority of leveling is to be done from front to rear. If the trailer must be set on a slope, block the wheels with large rocks or carry a couple pieces of wood (at least 4 x 4).

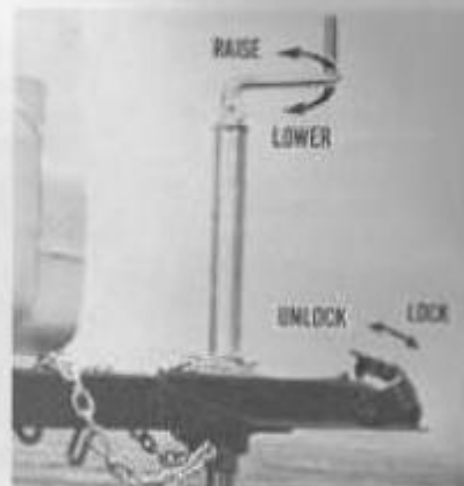


2 Detach safety chains, electrical hook-up, and slip tongue jack wheel over jack sleeve (locking pin on wheel fits into slot in sleeve).

3 Unlock coupler from hitch ball by pulling up and back on locking



bracket. Turn tongue jack handle clockwise to raise trailer tongue until coupler is detached from hitch ball. Move car ahead and level trailer, front to back, with tongue jack handle.



7 Pull out each bed until it reaches stop. Remove bed support legs from trailer. Install one leg at each corner of bed by inserting one end of leg over adjustable pin on bracket at end of trailer frame. Raise bed corner slightly to assist placing opposite end into recessed bracket beneath the bed. On Eagle 600 models, pull bed half way out and swing up bed bow. **NOTE:** Bow tie is only needed in high winds and is tied without pulling bow from its natural position in tent.



8 Tent Only-Walk in and pull Velcro strips loose from door in ceiling. Walk backward out lower door sup-

porting the upper door. Close lower door and lift upper door so that notched frame sits on rivets on each side of lower door frame. Turn butterfly fastener up so that upper door will open.

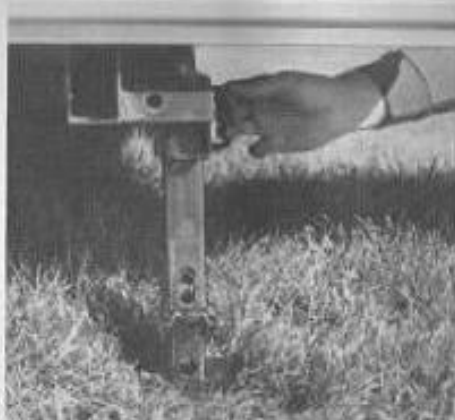
Attach Velcro on tent to Velcro on the sides of the upper door. Starting at the bottom and going toward the top.

Open both upper and lower door and turn plastic button down to hold halves together.

- 4** Release lock on gear-box at rear of trailer. Insert crank and turn clockwise until road cover is at full height position.



- 5** Release all four leveling legs, by pulling out pin, and swinging down to lock position. Extend each leveling leg to ground by placing foot on base plate and pushing down firmly. When ground is extremely soft, it helps to have four pieces of wood (approximately 6" x 6" x 1") to position under each leveling leg to prevent sinking.



- 9** Solid State - Finish raising the two main sidewalls to vertical position and secure in place by pivoting turnbuttons on sidewalls over the telescope posts.

Tent - Reach under canvas at side of beds, raise bows and



lock in place with stay braces. Attach bed-end canvas flaps underneath beds with shock cords.

- 10** Position door step by lifting up and pulling out.



- 11** Swing galley support legs up and secure with clips. Swing galley cabinet into place.



SOLID STATE ONLY

12 Lock upper and lower doors together with latch on inside.

13 At this point you are now ready to set up the bed ends. It will be easier if you will stack the dinette table and the cushions out of the way to give you a clear area at both ends of the trailer.

14 Raise the bed-end and roof assembly until you can grasp the inside edge of the bed roof. On larger bed models, it may be easier to raise the end and roof from the exterior. Position it in a tent fashion on

the bed and continue raising from inside.

15 Lift bed roof up to road cover, locating tabs on latch brackets, between the vinyl seal and the aluminum road cover inner trim.



17 Raise bed-side panels to approximately a 45° angle and pull back from bed.



Now finish raising to vertical position and slide into channels in bed-end and roof assembly.



18 Connect sidewall harness to road cover connector.

19 Crank road cover down slightly until it rests on top edges of sidewalls.



16 Connect both latches to the slots in road cover and turn latch handles until bed roof is secure. Secure latches by folding the handles flat.



20 Install telescope covers on telescope posts at each outside corner of trailer and secure with turn-butions.



DINETTE TABLE

The table is secured to the end wall with a swing up or down bracket. The table is equipped with a swing up or down leg. There is also a separate support bar which fits between the seat boxes to be used when the table is in the stored or bed position. To set up the table grasp the front edge and slightly pull the table toward you and at the same time lift upwards on the table. Raise the front edge of the table about a foot above the set up level and hook the rear edge tabs under the holder strip that is fastened to the bed. Reach under the table and swing down the table leg until it snaps in a locked position, then lower the front edge of the table.

STRIKING

Solid State

1. Remove telescope covers and crank road cover up.
2. Close and lock all windows. Slide bed side panels back, tilt in, and slide to storage position on bed.
3. Unlock latches securing bed roof to road cover. The latches should be secured to their bases for storage. Fold roof and end wall onto bed.
4. Check that all appliances are turned off. Disconnect sidewall harness and disengage sidewall clips. Place tables in travel position.
5. After making sure water in sink and drain hose is gone, swing down cabinet. Lock legs in place. NOTE: On Royals, make sure dropleaf is pushed down for bed clearance.
6. Push door step into travel position.
7. Disengage latch holding upper and lower door together.
8. Disengage sidewall turnbuttons and tilt walls in.



Tent

1. Disengage latch between upper and lower doors, turn butterfly latch to keep upper door closed.
2. Remove Velcro from sides of door, and store door in top of ceiling with Velcro.
3. Place tables in travel position.
4. Check that all appliances are turned off.
5. Disconnect sidewall harness.
6. After making sure water in sink and drain hose is gone, swing down cabinet. Lock legs in place.
7. Push door step into travel position.
8. Remove shock cord from bed-end canvas flaps underneath bed.

ALL

9. Remove bed legs and stow.
10. Make sure lower door is closed, then push beds in. NOTE: On tent models, exercise caution when pushing in beds so canvas is not torn.

11. Release weight from leveling leg, by placing foot on tension arm and stepping down firmly. To store leg for traveling, after tension has been released, push tension arm down with one hand and raise base plate with other hand. Then, pull release handle toward you, return leg to horizontal position and lock in place with release handle.



12. Crank down road cover. On tent models, the canvas must be stuffed into the trailer (all around) at two or three different stages of the lowering process. Make sure that canvas is not hanging out so that it is pinched between the road cover and body or beds.



13. When top is down, back off to engage rear gear box lock.
14. Crank coupler up with tongue jack and back car hitch into position.
15. Lower coupler onto hitch ball with tongue jack. Visually check to be sure coupler is latched to trailer ball. Raise tongue jack high enough to remove caster wheel. Then, raise tongue jack to highest position. NOTE: Cranking the tongue jack until it stops will lock caster wheel and will not allow its removal.
16. Connect electrical hook-up and safety chains. Chains should be criss-crossed.
17. Check that all hatches and refrigerator vent door are closed.
18. Gas bottles are turned off.
19. Check tires for pressure and lug bolts for tightness.

Before attempting to operate any appliances, thoroughly read the gas and electrical system sections of this manual.

Dinette Table Storage or Bed Position

To make into a bed or travel position, reach under the table, grasp the loop on the top of the leg and pull down. This will unlock the leg. Swing it up flush with the table, unhook the rear edge and swing table down. Place support bar between the seat boxes.

Goucho Seat

In order to make the seat into a bed: lift the front edge of the seat board and pull out until all boards are parallel with the floor. On Ramada and Rosmer models, arrange cushions and secure with strap by passing over cushions and snapping to bottom of aluminum seat edge.



On front goucho seats, it is necessary to place the seat in the bed position to push in the beds for travel.

Furnace

Operation of the furnace is covered in the Hydro-Flame instruction manual, included in your owners pack.

The furnace blower has a manual on - off switch and a thermocouple governing its operation. After lighting the furnace, turn switch on. The blower will not operate, however, until the furnace temperature is sufficiently raised so that it will blow warm air.

Refrigerator

Operation of the refrigerator is covered in the Instamatic or Dometic instructions, included in your owners pack.

a. Vent Door

The purpose of the vent door is to allow proper air ventilation to the refrigerator cooling unit. In warmer weather, the vent door should be opened and held open with the swing-out support arm. In temperatures above 90^o, a small fan (installed at the back of refrigerator) may be required to maintain cold temperatures.



b. Travel

Before travel check your refrigerator for loose items or items that may spill in travel. Secure all bottles and jar tops. If you have been on gas operation change to electric before travel.

c. Storing

Proper refrigeration requires free air circulation within the food storage compartment. Restricted air circulation within the food storage compartment will cause higher cabinet temperatures.

It is also essential that the shelves are not covered with paper or large storage containers.

Odorous foods or highly flavored foods should always be stored in covered dishes, plastic bags or wrapped in foil or waxed paper, to prevent food odors. Vegetables, lettuce, etc., should be covered to retain their crispness. Never put hot food into the refrigerator.

OPERATION

To reduce frost formation in and on the freezing compartment, cover stored liquids and moist foods and do not leave the door open longer than necessary.

When the refrigerator is heavily loaded, it takes longer for refrigerator temperatures to lower, requiring much longer time for ice-making. A very heavy load may also cause defrosting.

d. Ice Cubes

Do not use warm water, as it takes longer to freeze. Faster freezing will result, if precooled water is used.

Range

To light burner, hold a lighted match next to range burner, turn proper control knob counter clockwise. Adjust knob for flame setting.

Do not use your range for heating the trailer. This could result in dangerous usage of available oxygen in the trailer. In addition, it may melt the burners.

Remember, how you use your stove will affect its operation. When cooking, the highest temperature desired is the boiling point. When liquid reaches this point and starts to boil, decrease the flame size until you reach the point which will hold the boil. This saves gas, prevents burning food, keeps your trailer cooler and prevents spillovers.

Galley Faucet

When the unit is connected to a source of water pressure, it will respond as an ordinary faucet. Water flow may be started or stopped simply by opening or closing the faucet knob.

The hand pump may be operated by completely unscrewing the knob (about 4 full turns) and operating it up and down to draw fresh water from the supply tank. It is not necessary to screw the knob back down after each use. The small black plug in the city water hatch must be tight.



City Water Hook-Up System

Your trailer is equipped with an access door which houses the city water hook up, water storage tank fill, 110 volt power cord, waste water disposal hose and water tank drain. To hook up city water unlock door and pull out city water hose connection. Attach to a garden hose and connect other end to water supply.



Water Storage Tank

The water storage fill spout is located inside the access door. When filling care should be exercised not to spill water inside the trailer. To drain the water tank place drain hose outside the trailer and open drain valve.

Sanitizing the Fresh Water System

To sanitize the fresh water system, it is recommended that the following procedures be followed for a new system, one that has not been used for a period of time, or one that may have become contaminated.

1. Prepare a solution of one gallon water and $\frac{1}{4}$ cup chlorine or household bleach and pour into water storage tank.
2. Complete filling of tank with fresh water. Open faucet until all air has been released from the pipes and entire system is filled.
3. Allow to stand for three hours.
4. Drain and flush with fresh water.

To remove any chlorine taste or odor which might remain, prepare a solution of one quart vinegar to five gallons water and allow solution to agitate in tank for several days by vehicle motion. Always drain tank before storing. Pump all water from the line after emptying tank.

Waste Water Disposal System

All Apache sinks are equipped with a drain hose adapter for waste water disposal into approved park facilities. Never drain water onto the ground. If a park facility is not available, use a bucket or other suitable container. **IMPORTANT:** After folding the sink cabinet into position, open sliding door in upper half of cabinet and work excess drain hose into lower half of cabinet to assure a free flow of water. When folding the sink cabinet for travel, water remaining in the sink trap may flow out. To prevent spillage, fold the cabinet slowly and absorb the water with a cloth or sponge.



Power Converter

a. Using the car's 12 volt battery

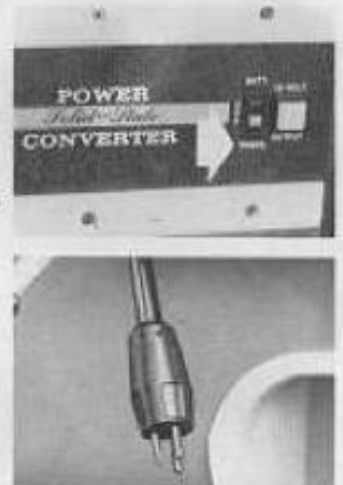
Connect the car to the trailer electrical hook-up and push the converter switch to the battery position. This will provide the necessary current for operation of the 12 volt accessories. Excessive drain on the battery can be prevented by running the engine at fast idle to recharge.



b. Using an outside 110 volt power source.

The power cord is pulled out of the outside access hatch and plugged into the 110 volt source. The cord has a three prong, common ground, plug. Do not use any adapter which will not continue this ground or interchange it with a current carrying lead. Push the switch to the trans or converter position. The 110 volt electricity will then be converted to 12 volt D.C. for operation of the 12 volt accessories.

As mentioned earlier, the converter is equipped with circuit breakers for 110 volt and 12 volt currents. If a breaker trips, the cause should be located and corrected.



Ventilator

a. Power

To operate the 2-speed ventilator fan, pull downward on the switch chain for "low". Pull a second time for "off" and a third time for "high". A fourth pull returns the fan to "off". The ventilator is designed to provide constant air circulation.

It can also be used to remove odors, and for cooling the trailer in warm, humid weather.

High levels of humidity within the trailer can result in moisture or "sweat" on windows, ABS panels, aluminum components and even canvas. It is a condition you experience in your home during winter. In your trailer, however, it becomes more evident due to the size of the living area and the number of persons within this area.



OPERATION

Humidity increases with the addition of water vapor in the air. Cooking, laundering, and just normal breathing add to the water vapor level. This moisture-laden air contacts cooler objects; the vapor condenses; leaves moisture on the object. The humidity level should be kept below 40%.

Retarding condensation and controlling the humidity level can be accomplished by using the power ventilator and by following these steps:

1. Always have a window open for ventilation. Never seal trailer up tight.

2. When cooking, in damp or chilly weather, use the power ventilator.

b. Manual

The manual ventilator is used much the same as the power ventilator. It is opened and closed with the knob located in the center of the grille.



GAS SYSTEM

The gas system in your trailer consists of the tank, regulator, gas operated appliances, and the lines connecting them. It is installed in accordance with N.F.P.A. for liquified petroleum (LP gas) only. LP gas (propane, butane) is stored as a liquid, and vaporized to a gas, which becomes combustible when combined with air.

The Gas Bottle or Tank

The gas bottle serves as the storage container and the vaporization chamber. A properly filled bottle is only 90% full of liquid with 10% left for the vaporization to occur. Bottles are designed for definite mounting positions (horizontal, vertical). The factory supplied bottles for your Apache are for vertical mounting only. When equipped with double bottles, open and use one bottle at a time.

The main valve is opened and closed with the large knob, allowing the gas to leave the bottle. The body of the main valve also houses the safety relief valve and the 10% valve. The safety relief valve automatically

opens and closes to allow excess pressure to be relieved from the bottle. The 10% valve ensures that the vapor space exists in the bottle. In reality, it is a liquid level gauge.



This is the knurled screw on the side of the main valve body. It is opened and closed by hand without pliers or wrenches. After you have your bottle filled, open the 10% valve. This should be done in an open area, away from any flame. You will hear a loud hissing from the gas escaping. If you see a white-frosty vapor coming out, the bottle is over-filled. Allow this to discharge until invisible and close the valve. The bottle is now properly filled. Keep hands away from vapor.

CAUTION: AN OVER-FILLED GAS BOTTLE CAN BE DANGEROUS

During the manufacture of gas bottles, they are subjected to pressure test with water. Seldom is all of it removed. This water can ice up the regulator orifice, reducing the volume of gas. While not hazardous, it can be annoying. Therefore, before the first initial filling, add 1/2 cup of rubbing alcohol to each bottle. This is done by pouring it in the main valve, when the bottle is empty. Always keep bottle closed when not in use, to prevent any future moisture from collecting inside.

The Regulator

The regulator reduces and controls the gas pressure allowed into the system from the gas bottles. This is pre-set for 11" of water column (6 ounces) and must not be tampered with.

The Appliances

With properly filled gas bottle installed, make sure all gas appliances are turned off. Then, turn gas on at bottle. There will be a delay in lighting any appliance, since air will be in the lines. See the operation section of this manual for appliance operation.

Lines and Fittings

Road vibration can loosen fittings. Therefore, frequently check lines and fittings. Look for sharp bends or breaks in the tubing. Check for leaks using a soap (ivory bar) and water solution. The kitchen cabinet base cover (masonite) has an access plate to check furnace and/or refrigerator gas lines, if so equipped. Never use matches.

If you think LP gas has leaked into your camper:

1. Do not strike a match.
2. Get all persons out.
3. Turn off gas bottle/bottles.
4. Leave door open and allow trailer to air out.
5. Find and correct leak before using the gas system again.

*- This should be connected to a separate 12 gauge wire, which is connected directly to the battery. This line must be fused with a 15 amp fuse not further than 12 inches from the battery.

Cir No.	Function	Color Code	Ga. Wire	Canadian Color Code
1.	Ground	White	12	White
2.	Running lights	Brown	16	Green
3.	L. stop & turn	Yellow	16	Red
4.	R. stop & turn	Green	16	Brown
5.	Accessory *	Red	12	Black
6.	Brakes	Blue	12	Blue

12 Volt D.C.

Refer to the chart below for the six circuits which make up the 12 volt system:

The exterior lights (running, stop, and turn) are wired directly to the appropriate tow vehicle circuits and operate accordingly. The accessory circuit is a constant "hot" line from the tow vehicle battery to operate the 12 volt accessories (dome light, power vent, refrigerator, and furnace blower, if so equipped). The power converter (see operation below) also allows operation of the 12 volt accessories when an outside 110 volt power source is available.

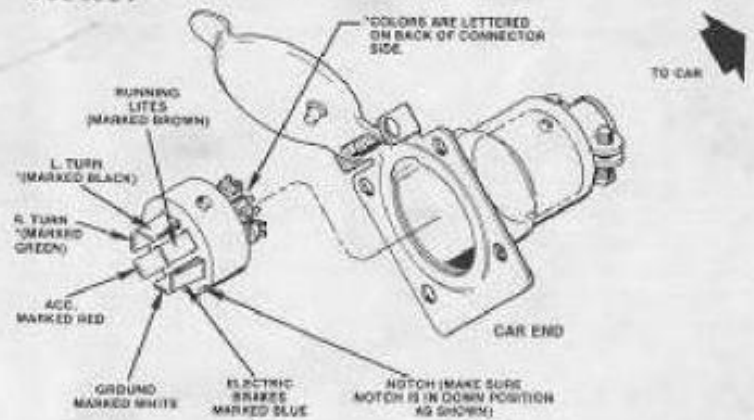
Circuit protection for the running lights is provided by the car fuses. The accessory circuit has an in-line fuse located in the inner face panel at the front of the trailer for circuit protection when connected to the car battery. A manual re-set circuit breaker is mounted on the control panel of the converter for accessory circuit protection when using an outside power source.

110 Volt A.C.

This system consists of the 25' power cord and the power converter.

When plugged into a 110 volt outside power source the integral outlets on the converter allow use of such appliances as toasters and table lamps. A manual re-set circuit breaker is mounted on the face control panel of the converter for 110 volt circuit protection.

Outside access to the 110 volt current is gained by using an extension cord and passing it through the proper access hatch. Then, it is plugged into the receptacle on the converter.



HOW TO KEEP YOUR APACHE LOOKING NEW

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Painted Aluminum Body Panels

Wash frequently to preserve the original beauty and prevent damage from road dirt, tree sap and other substances. Flush thoroughly with cool water to remove surface dirt. Then, wash with a sponge or soft cloth and any mild household soap or liquid car-wash preparation. Rinse with cool water and wipe dry with a clean soft towel or chamois. Never wipe dust from dry painted surfaces or scratches will result. Never wash with hot water or when painted surfaces are hot.

Grease, tar, sap or other stubborn stains that remain after washing should be removed with a solvent recommended for cleaning this type of soil from automotive finishes. Never allow sap or resin to remain on surfaces or sunlight and time will harden these substances and make them difficult to remove without damaging the paint.

To help keep painted surfaces clean and protected from harmful deposits, polish with any non-abrasive, liquid or paste automotive wax.

Non-Anodized Aluminum Extrusions and Steel Tent Bows

They can be brought to a high luster by cleaning them with products such as BRASSO or BOYERS METAL CLEANER. Use a soft cloth to apply these cleaners. Polish to a high gloss with a dry soft cloth.

ABS Thermoplastic Surfaces (trailer roof and sidewalls)

Wash with warm water, soap and a soft bristle brush. Tree sap and other stains can be removed with a denatured alcohol or liquid household cleaner or detergent. Never use cloths containing grit or abrasive particles, or kitchen scouring compounds. Never use boiling water or strong solvents, as these may soften the coating. Surface scratches and abrasions can be removed with light buffing, using a fine rubbing compound. Waxing is recommended for maintaining the original gloss, but only non-cleaning liquid or paste waxes should be used.

Windows

Wash with mild soap and water, and a soft cloth or sponge. Never wipe dust off windows with a dry cloth or scratches will result. Do not use household window cleaning preparations, except those specifically recommended for cleaning plastic windows.

Vinyl Floor Covering

Clean with a damp sponge or mop and a mild soap-and-water solution. Never use abrasive cleaners or solvents, such as alcohol. An occasional polishing with a liquid wax recommended for vinyl floors will maintain the luster and help protect against scuffing.

Upholstery

Seat cushions should be cleaned with a foam type upholstery cleaner. Avoid over-wetting. Mattresses require no care other than an occasional vacuuming.

Table and Cabinet Tops

Wipe clean with a damp cloth or use any cleaner or wax recommended for plastic-laminate surfaces. Although the table and cabinet tops in your Apache are heat resistant, avoid placing extremely hot pots or dishes on these surfaces without using a hot-pad or protective cloth.

Draperies

The draperies in your Apache are tailored from high-quality fabric and should be dry-cleaned only. Laundering will result in shrinkage, and removal of the fire retardent qualities of the material.

Cabinets

The wood-grain finish on galley and storage cabinets may be cleaned with a damp cloth or sponge and wiped dry with a soft towel.

Range

1. Remove grates by lifting spring clips securing them.
2. Remove screw between rear burners and pull off control knobs to remove top. Note: at this point top is held by spring catches on either side of range. Therefore, some upward pressure is required to remove top.

3. Burners are removed by taking out the screws securing them and slipping the burner tube off the control valve.
4. Range top and burners are cleaned with warm water and soap. Oven cleaners or scouring pads should not be used.
5. When installing burners, make sure they are completely dried or rust will form.

Refrigerator or Ice Box

The cabinet interior should be cleaned regularly. Remove the shelves and wash the lining with lukewarm water to which a little soap flakes may be added. Dry thoroughly, especially around door frames and door gasket. Warm water only should be used to wash the cooling evaporator, ice-trays and shelves. Plastic dishes may be washed in warm soapy water - not hotter than is bearable to the hand. Do not expose them to dry heat. Never use strong chemicals or abrasive cleaning materials on any part of the cabinet.

Canvas

Any cotton duck or twill that is used out-of-doors is attacked by mildew, bacteria, chemicals, bleaching sun, rain and (in some areas) salt spray.

Precautions have been taken to guard against these elements in the Apache by treating the canvas material with a fine patented process. However, poor "housekeeping" practices will, in effect, markedly shorten the life of the tent, regardless of all the special treatment contained in it. This is intended, therefore, as a guide to enable you, if followed, to get the longest, trouble-free use and enjoyment from your Apache tent.

A. Striking for Travel

Fold and pack your tent carefully being sure it can't catch or be pinched by other parts of the trailer. Where aluminum comes in contact with the tent, protect against "blackening" by placing cloth or cardboard between surfaces.

B. Cleaning

Try to avoid spilling oils, fats and food stuffs on the fabric. If an accident of this nature does occur:

1. Wipe off the soiled area immediately with a water dampened sponge.
2. If the matter is of the type that incrustates when dry, remove the remaining evidences with a rather stiff brush.

If an undesirable stain cannot be removed by brushing, take the tent to a reliable tent and awning firm for proper cleaning and handling.

If gasoline is spilled on the fabric, be certain it has been thoroughly evaporated before storing.

DO NOT SPRAY insect repellents or other aerosol products, other than water-proofing, on the fabric as they will destroy the resistant properties of the finish causing the tent to leak. Should you get tree sap on the tent, do not try to remove it. Most types are not harmful and attempts to get it off could damage the fabric.

The vinyl roofs on the bed ends are cleaned in the same manner as is the canvas. Automotive convertible top cleaner can be used to remove stains. Follow the manufactures instructions.

C. Directions for Working Tent When It Is Wet

The canvas used in an Apache has a pre-shrunk characteristic. However, THIS DOES NOT MEAN that no shrinkage will be experienced when the canvas is wet; only that it has been reduced to the lowest obtainable minimum. If the canvas becomes wet while the tent is erected, avoid leaving the tent door unzipped for long periods of time. However, if it is noticed that the zipper does not work freely, draw both sides of the tent wall together before attempting to zip.

If it should occur that the tent is struck while wet, follow the same procedure as above when it is set up again.

A tent can be stretched, if necessary, by wetting it down and then allowing it to dry to a point where it is damp. At this time, gently pull the canvas toward points of attachment, fasten firmly in place, and allow to dry.

D. Repair of Canvas

Tears can be repaired using canvas patches and canvas cement. Repair is best made by cementing a patch on both sides of canvas. Tears near seams should be re-sewn.

MAINTENANCE

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Tires

For longer tire life and better trailer-towing performance, recommended tire pressure should be maintained at all times. Check inflation pressure regularly. This should be done when trailer has been standing for at least three hours or towed less than one mile. An increase in pressure is normal when traveling. Never let air out of the tires to compensate for this increase. The tires on your Apache are covered by the tire manufacturer's warranty.

RECOMMENDED COLD-TIRE
INFLATION PRESSURES
20.5 x 8.0-10"
6-Ply Rated 50 psi.
20.5 x 8.0-10"
4-Ply Rated 35 psi.

Wheel Bearings

Proper bearing lubrication and adjustment are important for long bearing life. Only an extreme pressure (EP) type grease should be used. Refer to the Fayette information in your warranty pack.

Brakes

Inspect magnets and brake shoes when re-packing wheel bearings. Also, check adjustment per instructions in Fayette manual.

Hitch

Apply a light coating of petroleum jelly to the ball to prevent corrosion. It is recommended that a Class II, weight-carrying frame hitch be used. Do not use a weight-distributing (equalizer-type hitch), as it may cause damage to the trailer.

Tongue Jack

Check mounting bolts occasionally and re-tighten as necessary. Oil the mechanism with a light bodied oil.

Lift System

Maintenance of your Apaches lift system is divided into two types. First, the periodic owner care items which should be performed frequently. Second, is the regular annual maintenance performed by your Apache dealer.

Dirt, sand, and rust are the major contributors to increased cranking difficulty.

Since normal use of your camper usually subjects it to these elements, it is not practical to totally prevent their entrance into the lift system. However, a regular maintenance schedule will prevent foreign material accumulation and its detrimental effects.

A. Owner Care

1. Periodically check the lift arms for dirt accumulation and clean. A silicone spray type lubricant or wax can be used on the arms. However, care should be taken in wiping the arms off before lubrication to remove dirt and any old lubricant.
2. Periodically check the lift system drain holes to make sure they are not plugged. There is a drain hole in the bottom corner of the trailer, in the chain track (the wide aluminum piece going around each end of the trailer). These holes allow any moisture within the system to be expelled.

B. Annual Maintenance

At the end of each camping season or at least once a year, have your Apache dealer flush the lift system and repack the gearbox bearings. Depending on the type of areas in which you live or travel, this maintenance should be performed more often. You can visually inspect the gear boxes by removing them. They are easily removed by taking off the four nuts securing the box to the chain track and slipping the end of the shaft off the tube connecting the front and rear gear boxes. When removing the rear gear box, it will be necessary to remove the skid plate.

Visually inspect the gear box for accumulation of dirt or rust. Do not turn the shaft or try to operate the gear box since this will change the gear timing in the box and affect the total lift system timing.

CAUTION: Before removing any gearbox, road cover must be closed. Without the gearbox in place, the road cover is free to move both up and down. If for some reason the gear boxes must be removed, the road cover must be supported before removal. On solid state models, the road cover can be raised and sidewalls raised and positioned to support the road cover.

General Body

- A. The sliding bed sidewall hinges must be kept clean and lubricated once a year with a silicone spray type lubricant. Also, use the silicone for lubricating the bed rollers and main sidewall rollers.
- B. Leveling legs should be kept clean and lubricated to ensure ease of operation.
- C. Periodically check tightness of screws.
- D. Periodically check tightness of bed leg holder screws, located on the leveling leg mounting plate. These screws have been adjusted by your dealer to raise or lower the outer bed end. This adjustment ensures the proper bed roof and rear wall angle to match the sliding bed sidewall.

TO CHANGE A WHEEL

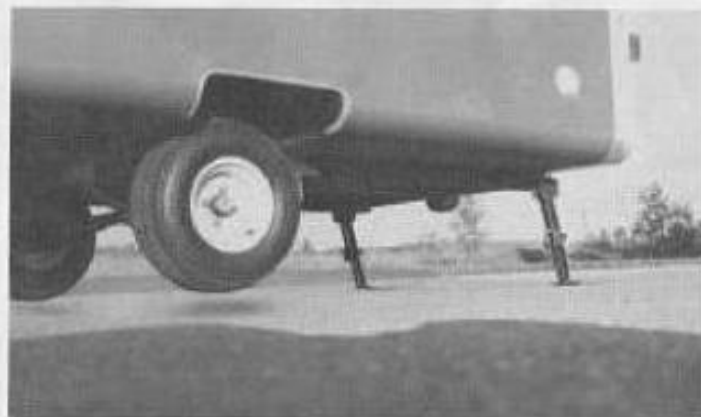
For changing a wheel, you should carry a scissors or hydraulic frame jack. It should be placed under the frame member not the plywood floor. However, if this type jack is not available, the following procedure can be used.

If a trailer tire loses pressure when you are traveling, pull off the highway, park on a level spot, and proceed as follows:

1. Disconnect trailer from car, as shown in set-up instructions, and move car ahead.
2. Block the tongue jack wheel as a safety precaution.
3. Remove spare tire and wheel from mounting on the trailer.
4. Pry off wheel cover with flat end of your car's lug wrench.
5. Loosen wheel nuts one or two turns but do not remove - turn nuts left on right wheel and right on left wheel.
6. Lower trailer tongue all the way.
7. Release rear leveling leg on same side as deflated tire and extend downward as far as it will go.
8. Raise trailer tongue until wheel is clear of the ground.
9. Release and extend the other three leveling legs for added stability.
10. Remove wheel nuts and pull off wheel.
11. Install spare and tighten nuts until snug.
12. Release and store front leveling legs and lower trailer tongue all the way.
13. Finish tightening wheel nuts, alternating from upper right to lower left and from

upper left to lower right. (Recommended torque is 110 ft.-lbs).

14. Store rear leveling legs before re-hitching trailer to car.
15. After 20 miles of travel, check wheel nuts and re-tighten if necessary.



CAUTION: Raising the trailer on the leveling legs and tongue jack wheel, as described above, is intended for tire-changing purposes only. If it is necessary to work under the trailer, place additional supports under all four corners of the frame. Never use a bumper jack.

STORAGE

1. Clean entire unit including canvas.
2. Block trailer up to relieve weight from tires.
3. Remove gas bottle and make sure its closed.
4. Drain all water out of water system.
5. Plug gas line to prevent dirt or insects from entering.
6. Crank tongue jack up so that front is higher than rear, if trailer is not stored in garage or shelter. Ice or snow should not be allowed to accumulate on the road cover.
7. Check that all access hatches are closed.
8. If stored outside, remove cushions, mattresses and curtains.
9. Periodically open and air the unit on a warm day.
10. Do not store your trailer under trees, if at all possible.

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11. Do not cover top with a canvas tarp or similar material in warm weather. The heat build-up will cause permanent deformation of the road cover.

Spring Check-Up

1. Remove trailer from storage, open, and air out.
2. Re-pack wheel bearings.
3. Check condition of electrical hook-up on trailer and car.
4. Check condition of gas bottles, clean, and apply coat of good reflective paint.
5. Check condition of canvas. Repair any tears.
6. Check water and gas system for leaks.
7. Check for loose bolts, or screws.
8. Check electrical system operation.

WARRANTY INFORMATION

Basic Warranty

Under your warranty, the selling dealer will perform the necessary repairs or replacements following delivery of the trailer to his place of business. If you are traveling or have moved a long distance from your dealer, any authorized Apache Dealer will perform the repairs.

Where individual warranty registration cards are included in your warranty pack, fill out and send them into the appropriate manufacturer. Generally, your dealer will be able to perform the necessary warranty repairs on these components (except tires). In some cases, however, he may refer you to the manufacturer's service center.

Neither the Vesely Company nor its dealers, assume any responsibility for any loss of vehicle use, loss of time, inconvenience, or consequential damages.

Tires

Tires are warranted by the manufacturer and not part of the basic trailer warranty. If you should require a warranty adjustment on a tire, contact the nearest tire manufacturer representative.

Stereo Equipment

Stereo equipment is warranted by the manufacturer and is not part of the basic trailer warranty. If you should require a warranty adjustment on the player, filter, or speakers, contact the nearest manufacturer representative.

Canvas

The Vesely Company assumes no responsibility for normal wear or damage resulting from misuse, negligence or failure to comply with operating instructions. Warranty repairs on canvas require prior approval from the Vesely Company. In some cases, your dealer will have to send the tent or canopy to the Vesely Company in Lapeer, Michigan for inspection and repair.

SPECIFICATIONS

	Shipping Weight *	Maximum Carrying Capacity **	Maximum Gross Vehicle Weight	Gross Tongue Weight ***	Length (including tongue)	Width	TIRES	
							Ply Rating	Size
Ramada	1820	580	2400 lbs	240 - 360 lbs	16' - 6-1/2"	6' - 7-7/8"	Load Range C	20.5 x 8.0 x 10"
Roamer	1850	550						
Cimarron	1810	590			14' - 10"			
Royal	1700	700						
Eagle 8	1460	940			13' - 1/2"			
Mesa	1550	850						

* - Weight of standard equipped trailer with gas and water systems dry.

** - Weight of options and accessories, must be deducted from carrying capacity.

	<u>Lbs.</u>
Standard Canopy	
Eagle 4	32
8' Models	12
10' Models	14
12' Models	17
Deluxe Canopy	
8' Models	40
10' Models	43
12' Models	46
Carpeting	15
Refrigerator	50
Furnace	32
Extra gas bottle (dry)	21
Spare tire & wheel 8"	11
Spare tire & wheel 10"	26

	<u>Lbs.</u>
Stereo	9
Power lift	14
Portable toilet	23
Wheel discs	2
Brake Control	5
Privacy curtains	4
Bumper	20
Add-a-room (Eagle 4)	33
Add for axle w/brakes if not standard	30
Water tank capacity (lbs. of water)	80
Gas bottle capacity (lbs. of LP gas)	20

*** - Gross tongue weight is 10 to 15% of the maximum gross vehicle weight. Therefore, the figures given are the safe range for a fully loaded trailer.

Fuse - 15 Amp

Located on inside front-end panel of trailer.

Light Bulbs

	<u>No.</u>
Interior ceiling 1-way switch	1141
2-way switch	1157
Directional signals, stop and tail	1157
License plate	67
Side markers	57

Trailer Serial Number -

Located on left front side panel of trailer.

Water Storage Tank Capacity-
10 gallons (U.S.)
8.32 gallons (Imp.)

CAUTION: Do not exceed the gross vehicle weight. See loading your camper on Page 1 of this manual.



WARRANTY CARD

Ser. No. Expires
Signature

Mr. John Doe
1234 Main Street
Anytown, U.S.A.

Warranty Card

IMPORTANT: Your Apache Owner Warranty Identification Card must be presented to the dealer when warranty service is required. If you do not receive this card within three weeks after purchase of your trailer, contact your dealer to be sure the proper owner warranty information has been forwarded to the Vesely Company.

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LIMITED ONE YEAR WARRANTY

Vesely Company (the "Manufacturer") warrants that each Apache camping trailer will be free from substantial defects in materials and workmanship, subject to the limitations, exclusions and conditions below, for a period of one(1) year from date of delivery to the original retail buyer. **EXCLUSIONS:** This manufacturer's warranty does not apply to: 1. Axles and tires (on motor homes chassis, cab, axles and tires), refrigerators, furnaces, stove, water heaters, air conditioners, radios, speakers or converters which have warranties issued by the component manufacturer and remain in effect. 2. Damage caused by misuse, negligence, accident, or unauthorized repairs or modifications. Misuse and negligence include failure to follow the manufacturer's operating, loading, care and maintenance instructions in the vehicle owners manual. 3. **THE MANUFACTURER SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES SUCH AS (BUT NOT LIMITED TO) EXPENSES FOR GASOLINE, TELEPHONE, TRAVEL, LODGING, LOSS OR DAMAGE TO PERSONAL PROPERTY, LOSS OF REVENUE, LOSS OF TIME OR INCONVENIENCE.** **LIMITATIONS:** 1. This warranty is issued to the original retail owner only. 2. The exclusive remedy for substantial defects covered by this

warranty shall be the repair or replacement (by an authorized Apache dealer) of any part or item which, upon inspection by the manufacturer or its authorized representative, shall appear to contain such a defect. 3. Any claim or action by the owner of any express or implied warranty must be commenced with one year after the delivery of the vehicle to the original retail buyer or within one year after the claim or cause of action has accrued to the owner, whichever is earlier. 4. Any warranties of merchantability and fitness for a particular purpose to the extent applied by law are limited to a duration of one year. **CONDITIONS:** To secure repair or replacement of a defective part, the owner must notify the selling dealer or the manufacturer in writing of any such substantial defect. The vehicle or defective part must then be delivered to the selling dealer by the owner, at his expense, for such repair or replacement. Should accessibility to the selling dealer change after purchase (change of residence, on trip, etc.), the warranty claim can be handled through any authorized Apache dealer.

The Manufacturer makes no representation or warranty, and no person is authorized to make any representation or warranty on its behalf, other than as set forth herein.