

1977 OWNER'S MANUAL



CHINOOK[®]

-on a chassis by **TOYOTA**

1977

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All information and specifications contained in this manual were the most up-to-date at the time of printing. Due to a continuous program of product improvement, prices and specifications are subject to change without notice or prior obligation. It should be noted that some explanations are not applicable to locally installed equipment.

Owner's Manual

INTRODUCTION

Welcome to the world of the Chinook Economy Motor Home. This unique vehicle has been engineered to provide you with a delightful combination of comfort, economy, and durability. You'll get maximum satisfaction from your camper if you know how to use it properly. So take a few minutes — sit down and read through this manual. Its safety tips are important. And the instructions it contains will help ensure many years of enjoyable driving and camping, beginning right now.



This manual explains the features of the camper only.

See the *Toyota Pick-Up Owner's Manual* for complete instructions on operating and maintaining the rest of the vehicle.

See the *Information Envelope* for detailed instructions on operating the stove, L.P. gas system, water pump, and other equipment installed on your camper.

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SPECIFICATIONS*

Height (outside — top down)	80.5"
(inside — top up)	73½"
Width	78"
Length	204.3"
Weight (dry)	3250 pounds
Weight (wet)	3470 pounds
Payload capability	1130 pounds
LPG	5 gallons
Gasoline tank	16.1 gallons
Fresh water	5 gallons
Refrigerator	2.4 cu ft
Ice Box	2.5 cu ft
Heater	7,000 BTU
Range	2 burners with ext. hood gas range
Lighting	12 volt
Converter	15 amp

Receptacles	110 volt (12 volt in bottom of light fixture)
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Bed sizes:

U-dinette (converted)	80.5" x 44"
Overhead bunk on storage area	69" x 46"
Optional adult size bunks	72" x 28" (each)

*All sizes and specifications are approximate and subject to change without notice

OUTSIDE FEATURES



1. Refrigerator* vent
2. Refrigerator* power controls
3. Hose connector for sink drain
4. Draincock for portable water tank

5. LP tank and shutoff valve
6. Power cord for 110-volt hookup*
7. Filler for portable water tank
8. Hose connector for city water hookup

*optional

A FEW IMPORTANT PRECAUTIONS



Before driving, the top must be down and secured with the five hold-down straps inside.

If the securing straps are unfastened while driving, the top may lift up and cause structural damage to the camper top.

Never drive with the top raised.



When driving, passengers should use only the side seats, where the seat belts are located.

The forward facing seat is not equipped with a seat belt. It should be used only when the vehicle is parked.



Do not overload your camper.

The decal on the driver's door frame shows the maximum allowable load for your camper. Read these limits and be careful to observe them as you pack. And don't attach a motorcycle rack to the rear bumper — it's not designed for the load. Be careful — overloading can cause damage to your vehicle and tires, and can produce unpredictable handling.



When camping, park in level spot, set handbrake, and put transmission in reverse.

If necessary, use wheel chocks to make sure the vehicle will not roll while you are camping.



Do not use the stove for comfort heating inside the camper.

The stove is intended only for cooking. Prolonged use for interior heating will burn up the oxygen inside the camper, which could cause suffocation.



Do not sleep with the engine running.

The cab heater may be used to warm up the camper. However, because of the danger from carbon monoxide in the vehicle exhaust, do not go to sleep with the engine running. If drowsiness should ever occur when using the heater, open the windows, shut off the engine, and have the exhaust system checked for leaks as soon as possible.

HOW TO RAISE THE TOP



1. Unfasten the five hold-down straps.

Press on the spring-loaded clip and pull the strap out. Three straps are located above the front bed. The other two straps are on either side, near the back.



2. Make sure the hold-down straps are pulled completely free.

Pull each strap out of the metal loop on the side of the body. The straps should be hanging freely from the roof.



3. Unsnap the three canvas tie-back straps.

These straps are located above each side window and the back door.



4. Open a door or window, and push up on the handles to raise the top.

Opening a door or window makes it easier to raise the top because air can then easily flow into the camper. Once raised, the top will stay up – no other support is needed.

HOW TO SET UP THE MAIN BED



1. Put the fifth seat in place.

Extend the two folding legs, and set the seat into position as shown. Make sure the edge is securely hooked over the side seat. All folding legs have adjustable feet for leveling the bed. For maximum comfort, it is important that the height be adjusted properly.



2. Raise the hinged side door into position.

Lifting from the bottom edge, swing the side door up. Then reach underneath and swing down the two legs into position.



3. Set the table top into place.

Extend the single folding leg. Hook the edge of the top securely over the edge of the side seat and lower the top into position, as shown.

The first time the bed is set up, adjust the legs to level all the bed sections.



4. Remove the cushions and spread out the contour sheet.

Temporarily set all the cushions on the galley counter. Store the seat belts under the bed compartment.

You should use the contour sheet that came with your camper. Spread it out on the flat bed surface, with the open side up.



5. Insert the cushions.

Insert all the cushions as shown: long cushion first, corner cushions second. If you use the contour sheet, the cushions will fit snugly to make a smooth, comfortable mattress.



6. Turn the mattress over. The bed can now be used.

The contour sheet will hold all the cushions together as you turn it over.

HOW TO SET UP THE UPPER BED



1. Slide out the upper panel until the edge cleat drops into the slot.

Hold onto the outer edge of the panel until the straps are fastened.



2. Hook the two support straps into position.

If necessary, adjust the length of the straps so that the bed is level.



3. Check that the bed is securely in place. It is now ready to use.

Make sure the cleat is securely down in the groove and that the straps are secure.

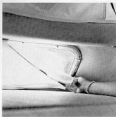
THE FRONT PRIVACY CURTAIN



Install the curtains by snapping them into place.

Position the curtains so that they overlap about 1 inch in the middle.

THE VISTA WINDOW PRIVACY CURTAIN



Install this curtain also by snapping it into place.



HOW TO SET UP THE DINING TABLE



1. Press the pole into the floor socket.

Both ends of the pole are identical, so either end may be inserted into the socket.



2. Install the table top on the pole.

Press squarely on the table top to make sure it is firmly in place.

UNDERSEAT STORAGE



Don't forget the underseat storage, which is handy for bedding.

This long storage area is also handy for fishing rods and other awkward items.

PORTABLE TOILET STORAGE



The compartment under the wardrobe can be used for storing an optional portable toilet.

The toilet will slide in and out easily because there is no bottom sill. And of course, there is access to the toilet even when the beds are made up.

NOTE: Either a Monogram Industries Tota II or a Thetford Safari portable toilet will fit.

THE WATER SYSTEM



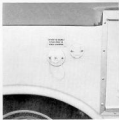
Sanitize the tank before first filling and after long periods of disuse.

1. Put $\frac{1}{2}$ cup of household bleach (such as Clorox or Purex) into 1 gallon of water.
2. Pour solution into empty water tank.
3. Add water until tank is completely filled, and let stand for 3 hours.
4. Drain tank, flush thoroughly, and refill with potable (drinkable) water.



"Freshen" the tank after sanitizing and keep it fresh between uses.

1. Put $\frac{1}{2}$ cup of baking soda into 1 gallon of water.
2. Pour solution into empty water tank.
3. Drive with solution in tank as long as you like.
4. Before camping, drain the solution, flush thoroughly, and refill the tank with potable water.



When camping, attach a short hose to the sink drain.

This prevents discoloring the side of the camper body. A standard garden hose may be used. Make sure your drainage conforms to campsite regulations, and be considerate of others.



You may hook up directly to city water, when available.

For a water supply line, use a heavy-duty garden hose, rated for 125 p.s.i. You should carry the hose with you for use at campsites that provide a water hookup.



Press the handle for city water. Pump it back-and-forth for storage tank water.

The city water is controlled by a simple on/off valve.

WARNING: Some campgrounds have extremely high water pressure, which can damage the plastic plumbing in your camper. Adjust the water pressure at the campground supply spigot to a suitable flow.

THE L.P. GAS SYSTEM



The L.P. tank supplies the stove, the optional heater, and the optional refrigerator.

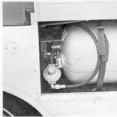
By releasing the webbed strap, the tank can be removed for easy refilling. Be sure that the strap is tight before driving.



A gauge on the tank shows the liquid petroleum level.

Notice that the "full" point depends on the outside air temperature.

CAUTION: LP gas tanks should never be filled more than 80% of capacity.



Have the tank filled only by a qualified L.P. gas dealer.

Because of safety precautions and knowledge required, this is not a do-it-yourself job. You can locate L.P. dealers through the yellow pages of the phone book or at most larger campgrounds.

Before the tank's first filling, make sure the dealer gurgles out the air. Propane is recommended. Butane may be used, but it will freeze below 32°F.



Whenever you drive, make sure the L.P. service valve is off. (This is the law in most states.)

Use only your hands – not a tool – to close the valve. To check for leaks: (1) Turn off the stove, refrigerator, and heater. (2) Turn on the service valve, then turn it off. (3) Wait 30 minutes. (4) While listening carefully, turn on the service valve. Any “whoosh” sound indicates a leak, which should be fixed immediately.



To light a burner, hold a lit match next to the burner and turn the control ON.

1. If the stove does not light, make sure that the gas is turned on at the regulator.
2. Yellow and white flames or flames blowing above the burner or back into the mix tube indicates a problem. Have the stove checked by an L.P. gas dealer.
3. When the stove won't be used for a while or when in transit, turn off the gas at the regulator (turn knob clockwise).

ICE BOX TIPS



Use a 25-lb block of ice in the upper shelf.

The water from the melting ice is continuously drained under the camper. In some campsites, you may want to place a container to catch the water.

To make the ice last longer, keep the ice box door closed as much as possible.



When traveling, close the ice box door firmly.

The latch in the door handle will hold it closed, even if something inside should bump against it.

THE OPTIONAL 110-VOLT POWER SYSTEM



When available, you may hookup your camper to external 110-volt power.

This hookup provides power to the two outlets on the cabinet just below the sink. Also, the auxiliary battery will be charged automatically whenever the camper is connected to external power.



The power center converts power from the 12-volt auxiliary battery to 110-volt A.C.

The 160 A.C. outlets are on the front of the converter itself. Note that the converter also has a master circuit breaker and two fuses. See the manufacturer's instructions for detail.



The auxiliary battery is isolated so that you will not accidentally drain the truck's battery.

This battery is recharged (1) while driving and (2) while hooked up to an external 110-volt power source.

THE OPTIONAL 3-WAY REFRIGERATOR



A 2.4 cubic-foot refrigerator is available as a substitute for the icebox.

The refrigerator is designed to operate on LP gas, 12-volt DC electricity, or 110-volt AC.

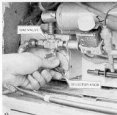
Whenever you park, the camper must be level for the refrigerator to operate properly.



You select the power source with these controls.

Use 12-volt DC when driving. When camping use 110-volt AC, if available. Otherwise use LP gas.

NOTE: You must use either 110-volt AC or LP gas to initially cool down the refrigerator. The 12-volt DC power is only for keeping the refrigerator cool while driving. LP gas operation provides the most efficient refrigeration.



To use either 110V or 12V power: (1) turn the gas valve off and (2) turn the selector knob.

A safety interlock in the gas valve will not allow you to turn the selector knob unless the gas is off. The off position is as shown in the photo above.

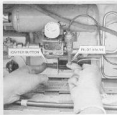


On electric power this thermostat controls the refrigerator temperature.



To use LP gas power: (1) turn the selector knob off, and (2) turn the gas valve on.

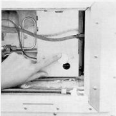
The gas valve is on in the position shown.



Then light the pilot: (1) push up the pilot valve, and (2) press the igniter button.

Do not release the pilot valve for about one minute.

THE OPTIONAL 3-WAY REFRIGERATOR (continued)



After lighting the pilot, check to see that it actually is on.

Swing up the viewing hole cover and take a peek inside. If the pilot is not lit, make sure the LP tank is not empty. Then repeat the procedure.



On LP gas power, this thermostat controls the refrigerator temperature.

For full instructions and warranties, see the manufacturer's manual.

THE OPTIONAL LP GAS HEATER



To light the pilot, first remove the grille.

This 7000 BTU heater is fully vented and is safe to use while sleeping. It can be installed at any time by your dealer.



Then lift up the pilot hole cover, push in the pilot valve, and light the pilot.

Do not release the pilot valve for about one minute. After releasing it, visually check to make sure the pilot stays lit. Close the pilot hole cover.



The thermostat knob controls the heater's temperature.

Adjust the knob for a comfortable setting and replace the grille.

HOW TO SET UP THE OPTIONAL BUNKS



1. Unsnap the padded covers.



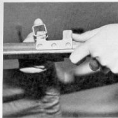
2. Unfasten the hold-down straps.

There is one strap on each side.
It's ok to let the bunks unroll.



3. Unfold the front and rear support frames and screw them into position.

One frame folds out from each side of the camper. It is attached to the opposite side under the side frame, as shown in the photograph. Tighten the screw firmly with your hand.



4. Fasten the middle frame of each bunk to the support frames.

Just slip the slotted ends over the bracket on each support frame.



5. Make sure the bunk is secure before using.

Check that both end slots are securely over their brackets.



6. Tuck in the padded cover and the bunks are ready to use.

You may set up just one bunk, as shown, or two.

HOW TO PREPARE THE CAMPER FOR DRIVING



1. Fasten the table top on top of the front bunk.

Secure the table top firmly in place with the strap, as shown.



2. Store the fifth seat under the dinette seat and put away all loose equipment.

Put away the fifth seat, as shown.

CAUTION: *Make sure that all loose items are stored before driving. In a sudden stop, loose objects could strike the driver or passengers.*



3. To prepare to lower the top, open the canvas windows, the rear door, and the side windows.

The door and windows must be opened to keep the canvas walls from blowing outward and getting pinched as the top is lowered.



4. Slowly lower the top and fasten the five hold-down straps, and two canvas tie-back straps.

As you lower the top, make sure that the canvas walls at the front and back are not pinched.

CAUTION: *Make sure that all five top hold-down straps are securely fastened before driving.*

THE REAR DOOR LOCK



Lock the rear door while driving.

The door may be locked with the lever under the handle, as shown. The security latch may be used to lock the door from the inside while camping.

THE REAR WINDOW CURTAINS



For better visibility while driving, tie back the rear window curtain.

ATTACHING A TRAILER HITCH



The rear bumper is reinforced and drilled to accept a class 1 trailer hitch ball.

You may purchase the ball and have it installed by your dealer. The load limits are as follows:

Maximum tongue weight: 150 lb

Maximum trailer weight: 1000 lb

CAUTION: *Overloading the trailer or hitch is dangerous and may damage your motor home.*

IF A LIGHT BULB BURNS OUT



Remove the cover and replace the bulb.

Squeeze the sides of the cover, and lift it off.

Use a number 1141 bulb for replacement.

Notice that the outlet next to the closet has a standard 12-volt DC outlet built into the bottom.

IF CAMPER LIGHTS DON'T WORK



1. Under the hood, locate the camper circuit fuse holder.

If none of the lights in the camper will go on, the fuse for the camper circuit is probably blown. The fuse holder is in the wire from the positive (+) battery terminal, as shown.



2. Check the fuse and, if necessary, replace it.

The holder opens by pressing the ends together and twisting slightly counter-clockwise. Don't lose the fuse! The fuse shown here is O.K. — the metal strip is not broken.

CAUTION: Use only a 10-amp fuse. If it blows again, have the electrical circuit checked by a qualified technician to locate the cause.

IF YOU HAVE A FLAT TIRE



1. Unscrew the access hole cover, and get out the 3-part jack handle.

The jack handle is normally stored behind the passenger seat in the cab.



2. Assemble the jack handle, and insert the end of it into the lowering screw.

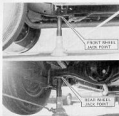
The handle will be at a slight angle, as shown.



3. Turn the handle counterclockwise to lower the spare tire.

Lower the tire all the way to the ground, so that the chain is slack. Reach under and remove the holding bracket. Pull out the tire.

Reverse the procedure to replace the spare.



4. Loosen the nuts on the flat tire, and then jack it up off the ground.

5. Replace the flat tire, tighten the lug nuts securely, and lower the wheel.

Place the jack under the front suspension or rear axle, as shown. Do not place it under the front or rear bumper — the camper could be damaged.

CAUTION: Set the handbrake and put the transmission in Reverse to keep the vehicle from rolling. If the vehicle is on a sloped surface, the wheels should be blocked.

EXTERIOR CARE

Your Chinoak's exterior surface should be cared for in the same manner as an automobile or boat finish.

Cleaning

You may use car shampoo, mild detergent, or household cleaner on both paint and trim decals (see list). Strong soap or abrasive cleanser should not be used. Dirt or grime that has been ground into the surface may be easily removed with a good grade of rubbing or polishing compound. Rinse well after washing.

CAUTION: Do not use gasoline or paint thinners to remove tar. Such solvents will soften the paint. Use a special tar remover which will not damage the finish. Rinse well with clear water.

Waxing

The fiberglass and enameled surfaces require no special method for waxing. And since they do not rust or corrode, no special waxing is necessary before traveling to the seashore. Only the metal components will be subject to corrosion attack, and they should be waxed to improve their corrosion resistance.

Wash your camper before waxing it. Automotive and household waxes may be used. A paste wax will provide the best protection from abrasion and minor scratches because dirt and grime slide off a well-waxed surface. If the fiberglass becomes slightly dulled after a long exposure to weather, the surface may be easily restored to its original luster by cleaning it with a suitable rubbing compound, followed by waxing.

Cleaners and Waxes

The following list of cleaners and waxes have been evaluated for use on exterior surfaces.

RECOMMENDED*

Jay Detergent
Wisk Detergent
Liquid Lux
Johnson's Pride
Johnson's Pledge
Endwet
Carna
Turtle Wax Auto Polish
Simonize Body Sheen Auto Polish
Glo-Coat Floor Polish
Aero Wax
Holiday Car Cleaner
Meguiar's Mirror Glaze Paste Wax
Simonize Paste Wax
Sodium Carbonate & Bi-Carbonate
Vinegar

NOT RECOMMENDED

Gasoline
Carbon Tetrachloride
Lestoil

Pine-Sol

Lysol

Abrasives (cleaners)

Paint Thinners or Solvents containing aromatic and halogenated hydrocarbons, such as kerytones, benzene, toluene, perchloroethylene.

*NOTE: Any similar or equivalent brand products may be used. These are listed only as a general guide and not as an endorsement of these particular brands.

Damage

If the exterior of the motor home is punctured, immediately cover the puncture with a piece of waterproof material and tape. This will prevent any moisture from getting through and damaging the unit's interior. Leave this on until the camper can be repaired. Your Chinook dealer is trained in repair techniques and has the proper equipment and materials, or he can refer you to a qualified service facility.

Scratches

Small scratches and abrasions may be removed by the application of a good grade of rubbing and polishing compound.

INTERIOR CARE

For the ceiling, walls and cupboards, use the same care and cleaning methods that you would use at home. Strong soaps and abrasives should not be used. Cleaners containing a small amount of ammonia may be used.

Cabinet fronts need little care. Treat them as you would any fine piece of furniture in your home.

Carpet

Your floor is covered with top-grade carpet. Give it the same careful vacuuming and shampooing that you would give your home carpets.

Upholstery

This is a fine quality upholstery and should be treated accordingly. If it gets wrinkled or out of shape from being sat on just straighten it and fluff the foam cushions.

Drapes

The drapes will retain their beauty and color if they are dry cleaned occasionally.

IF YOUR CAMPER NEEDS REPAIR

You may take your motor home to either a Toyota or Chinook dealer:

Your selling dealer — For both camper & vehicle repairs

Any Toyota dealer — For vehicle repairs

Any Chinook dealer — For camper repairs

Chinook dealers are equipped to handle repairs to the camper only. All Toyota dealers can take care of repairs on the cab and chassis. Many Toyota dealers (generally those that sell the Chinook economy motor home) can also handle camper repairs. If not, they can usually refer you to a camper repair facility in their area.

Whenever possible, your selling dealer is your best source for repairs. But when you're traveling, you have a nationwide network of Toyota and Chinook dealers ready to help.

WARRANTY INFORMATION

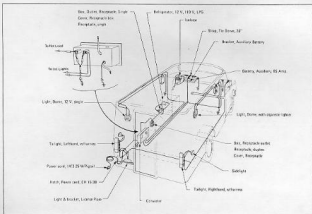
The complete warranty statement is printed in a separate folder.

If you should have a question regarding warranty coverage or emergency service that cannot be answered by a local dealer, please call the Chinook service department for assistance:

(714) 593-2549

The service department is open from 8:00 a.m. to 5:00 p.m. (Pacific time), Monday through Friday.

ELECTRICAL SCHEMATIC – 1977 Chinook Economy Motor Home with Optional Power Pack and Refrigerator



LITHO IN U.S.A.

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