



**Owners Handbook  
Warranty  
Service Information**

## Introduction:

Your caravan has been manufactured in accordance with many years international and national research, and the design and materials utilised in manufacturing your caravan take into account Jurgens Manufacturing (Pty) Ltd's (hereinafter referred to as "Jurgens") valued customers' comments and suggestions which Jurgens has obtained from nationwide dealerships. Thanks to this high level of interaction and commitment, Jurgens has produced a caravan of the highest quality and practicality.

This handbook will provide you with information about your caravan, as well as many useful hints and tips to make your caravanning experience more enjoyable. Service and warranty repairs to your caravan can be undertaken at the Jurgens dealership where you purchased your caravan. If you are away from home and need an emergency service or repairs, you are welcome to approach any of the Jurgens dealerships throughout South Africa.

Any queries you may have that are not covered in this handbook can be directed to the authorized dealership where you purchased your caravan who shall be more than willing to assist you.



## Important Notice

Regular servicing of your caravan in line with the recommendation of this owners' manual is important for the upkeep and reliability of your caravan. Failure to service your caravan is not recommended as it will result in your warranty being invalidated.

You are requested to check the wheel nuts after the first 10km's, 100km's and thereafter every 400km's.

Speed and weight are the two biggest dangers and you should always ensure that your caravan does not exceed the GVM and you travel at a speed in line with the conditions in which you are travelling.

Given that when you tow the caravan you have more than a ton of weight behind you, we recommend that you reduce your speed by at least 15 percent of normal travelling speed.

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## OWNERS DETAILS

Name: \_\_\_\_\_

Identity number: \_\_\_\_\_

Contact number: (H) \_\_\_\_\_

Contact number: (W) \_\_\_\_\_

Cellular number: \_\_\_\_\_

## CARAVAN DETAILS

Dealership: \_\_\_\_\_

Model & Year: \_\_\_\_\_

Chassis number: \_\_\_\_\_

Registration number: \_\_\_\_\_

Entry Door Key number: \_\_\_\_\_

P/Potti Key number: \_\_\_\_\_

Date of sale:

### Included in tare:

- Spare wheel
- Empty gas bottle
- Factory installed appliances
- Crockery

### Excluded in tare:

- Tent
- Awning
- Water in tanks or geyser
- Battery
- Gas



### DEALER STAMP

The manufacturer reserves the right to change any details outlined in this manual, at any time without notice.

This owner's handbook, warranty and service information booklet was produced and printed in Sept 2019.

**PLEASE NOTE:  
THIS SECTION CONTAINS  
IMPORTANT INFORMATION  
REGARDING THE WHEELS AND  
TYRES OF YOUR CARAVAN.**

- Before departing on any journey, always check the tyre pressure, wheel nuts, balancing and bearings.
- The wheel nuts should be at 104 Nm torque.
- The wheel nuts should be fitted and tightened in a criss-cross manner while the caravan is jacked up. The nuts should be checked every 400 km.
- Tyre pressure should be checked once a week, especially when the tyres are cold. Remember to check the spare wheel, if you have one.
- Inflate the caravan tyres according to the manufacturer's specifications. Bear in mind that every time the caravan is loaded, the tyre pressure requirements will change due to the difference in weight.
- Tow bars may not be fitted to your caravan. If any tow bars are fitted to your caravan your warranty shall lapse.

**IMPORTANT NOTICE:**

Regular servicing of your caravan by your Jurgens dealer (see Service Schedule in the Owner's Manual) is vital to the continued smooth operation of your caravan. Failure to do so can negate your warranty and lead to needless costs and inconvenience for you after your warranty period.

## I Terms of warranty.

All new Jurgens caravans are covered by a 1 (one) year warranty subject to having the caravan complete a six-month warranty service by an authorized Campworld dealership (see centrefold for service record). This warranty becomes operative from the date of purchase but is effective only when the dealer has received the signed Owner's Acceptance Certificate. The warranty is transferable, on condition that the prescribed services are adhered to, see page 11 "Warranty validation service". The client will be liable for the cost of all services.

### Warranty Certificate

Jurgens guarantees the caravan against failure or defects directly attributed to faulty workmanship or the use of sub-standard materials for a period of 1 (one) year from the registered date of purchase. If, during the guarantee period mentioned above, the caravan presents a failure or defect, Jurgens shall investigate the cause of the failure or defect and if (at its sole discretion) it determines that the caravan was used in a proper manner and that the failure or defect is due to faulty workmanship or the use of sub-standard materials it shall repair or replace the caravan at its expense. The caravan will have to be brought in and collected by the owner at their expense in this instance.

### Special conditions of warranty

- Since neither the axle manufacturer nor Jurgens has any control over the caravan after it leaves the factory, the wheel bearings of the caravan do not carry any warranty.
- The caravan should not be used for permanent housing and should only be utilised for vacationing purposes.
- The warranty does not cover any caravan utilised for leasing or reward.
- The warranty does not extend to any caravan that has been overloaded, misused or not maintained according to the standards set out by Jurgens in the Owner's Handbook.
- Jurgens is responsible only as described in the warranty and will not be held liable for any loss, damage, injury or consequential or resulting liability caused by or due to any failure and/ or defects.
- Jurgens reserves the right to refuse responsibility for any cost of any re-

pairs that were undertaken by a caravan dealer other than an authorised Jurgens dealer unless prior authorisation was obtained from Jurgens:

- > Articles used by Jurgens but not covered by warranty are as follows:

- The warranty does not cover the tyres fitted to the caravan or any spare wheel. The owner of the caravan may lodge a complaint against the tyre manufacturer through an appropriate tyre distributor subject to an examination of the defect and the ruling of the appropriate tyre examination committee. Jurgens will not be held liable for any defect or fault in the tyres.

- The cost of the services will be for the clients account.

- Jurgens is not responsible for the warranty on any additional features e.g. microwaves, stoves, axles, Snowmaster fridges, Port Potties / Cassette toilets, transformers, fire extinguishers ect. The manufacturers of these items provide separate warranties and any complaints must be made direct to manufacturer or their appointed agent.

- There is no warranty on light bulbs or fluorescent tubes or fuses.

- Jurgens has the right to render this warranty null and void if any unauthorized alterations or modifications are made to the caravan or any parts are substituted or added to.
- All electrical and gas appliances fitted to the caravan are covered by separate warranties from their manufacturers. It is the responsibility of the owner to complete and return the warranty cards of the above-mentioned items to the respective manufacturer.
- This warranty excludes all warranties, conditions and liabilities whatsoever, expressed, implied or imposed by Common Law, statute, or otherwise.
- Jurgens liability in terms of the warranty is conditional upon notice in writing of the particulars of the caravan including model type, chassis number and date of purchase being given to an authorized dealership within 14 days of discovering the defect or fault. The caravan or defective part must be returned to an authorized Jurgens dealership in the Republic of South Africa and Namibia.
- In the event of a disagreement between Jurgens and the owner as to the interpretation of this warranty in respect of a claim made, it shall be referred to a single arbitrator to be ap-

pointed in terms of the Arbitration Act 42 of 1965 (as amended) for determination. Company agents have no authority to vary the terms of this warranty.

- This warranty is valid only in the Republic of South Africa and Namibia.
- This warranty is only valid only when the Owner's Acceptance Certificate and Registration Form are completed in full and received by Jurgens in Ga-Rankuwa within 14 days of the date of purchase. If the Owner's Acceptance Certificate is not so received, the owner will be deemed to have bought the caravan as it stands, regardless of faults, and Jurgens will be released from any liability to the owner as the Seller/Manufacturer of the caravan.

## 2 Pre Delivery Service

The Jurgens dealer will ensure that the owner receives the caravan in good condition and the caravan is given a full service and end-to-end check before being handed over. If the owner is in any way dissatisfied, he or she is urged to contact the dealer where the caravan was purchased.

### Dealer's Responsibility

It is the selling dealer's responsibility to ensure that the owner has complete understanding of the conditions of warranty and the necessary documentation is completed in full. The dealer must officially stamp the service record whenever the caravan has been serviced and is responsible for the demonstration of the caravan and all its functional parts as listed below:

### Tow Hitch

- How to connect and remove it from the tow vehicle.
- How to operate the jockey system.
- The importance of the safety chain / cable.
- The importance of the correct ball-hitch height.

### Wheels

- The importance of the correct tyre pressure on both the tow vehicle and the caravan
- How to change a caravan wheel.
- The importance of checking the wheel nut tightness regularly.
- The maintenance of wheel bearing lubrication and wheel bearing end-play.

### Brakes

- How to properly adjust the brakes.
- The regulations concerning service brakes.
- Reverse hubs.

### Parking

- How to maneuver the caravan by hand.
- How to operate the handbrake.
- How to ensure the caravan (and refrigerator) is level.
- How to operate and use the corner steadies and what not to do.

### Furniture

- How to erect the hammock safely (if applicable).
- How to make up the double beds using the bed-board supports.
- The do's and don'ts of polishing and cleaning furniture, walls and ceiling.
- Ensuring that the crockery fits the inserts (if applicable).

### Towing

- Reminding owners to check indicator, brake and driving lights before moving off.
- Reminding owners to be aware of the length of the combination.
- Entrance door to be securely locked.
- Advising owners not to cut corners.
- The value of early engagement of a low gear on hills.
- The best braking technique for the combination.
- How to control sway if it develops.
- The art of reversing.
- The effect of cross winds and passing of heavy vehicles.

### Side Tent/Patio Tent (if applicable)

- How to erect the side tent.
- How to erect the patio tent.
- How to fold and maintain the tent.
- How to stow the poles in the tent poles compartment.
- Pre-wetting the side tent or patio tent and the importance thereof.
- How to care for the roof surround – pop up models.

### Electrical

- How to connect the caravan to the tow vehicle.
- Importance of connecting the caravan to a 220 V supply.
- Finding and checking the fuses.

- How to operate electric refrigerator.
- How to operate the battery charger.
- How to operate the earth-leakage and circuit-breaker protection unit.
- How to operate the microwave oven (if applicable).

#### Water

- How to connect the pump and operate the taps.
- How to drain the sink, hand basin and shower (if applicable).

#### Loading and Stowage

- The importance of keeping the centre of gravity low.
- How to balance the load.
- How to keep the caravans lightly nose heavy.

#### Gas (if applicable)

- Operating and fitting gas bottles and regulators.
- How to operate the refrigerator.
- How to operate the stove.
- How to conduct a smell test for gas leakage.
- How to detect a gas leak using a soapy water.
- How to deal with air locks and blockages in the gas lines.
- Fire Protection
- How to maintain and use the fire extinguisher.

#### Ventilation

- How to operate the window catches.
- How to care for the net privacy curtains.
- How to maximize the benefit of the adjustable fridge ventilators.
- How to operate the elevated roof mechanism.

#### Lubrication

- Where to find the key lubrication points.
- How to lubricate tent zip fasteners and tent extrusion channels.
- How to lubricate curtain tracks.

#### Corrosion

- The importance of regulatory checking and maintaining the exterior components that are subject to climatic deterioration.

To validate the second period of the warranty service must be undertaken on the owners caravan by an authorised Jurgens dealership. The responsibility lies with the owner to ensure that these services are done within date of purchase.

#### Six-Month Warranty Service Routine

This service routine consists of checking, lubricating, cleaning, adjusting and sealing the following parts;

#### Wheels

- Check tyres for irregular wear and possible damage to the tyre walls.
- Inflate tyres to the specified pressure.
- Adjust the wheel-nut torque to 104 Nm.
- Wheel bearings checked for play, greased and reset if necessary.
- Split-pins and dust caps fitted to all drums.
- Jockey stem worm and clamp checked, cleaned and re-greased.
- Jockey wheel mount and rotation checked.
- Jockey lock block in position.

#### Brakes and Coupling

- Perform an interference-free operation of the entire brake system.
- Check the cleanliness and condition of the brake linings and brake-drum surfaces.
- Check and correct the handbrake and overrun mechanism.
- Correct brake synchronisation.
- Correct the action of the tow-ball locking mechanism and safety chain.

#### Chassis and Suspension

- Check condition of the chassis members and check for corrosion.
- Corner steady worms cleaned and re-greased.
- Check the condition of the underfloor timbers, wiring and hoses.
- Check axle mounting points, bolts and torque.

#### Exterior Bodywork

- Check all locks, catches, hinges and fittings.
- Check all visible screws and fasteners for tightness.
- Check that all door, window, ventilation and extrusion seals are firm fitting and properly weatherproofed.

- Check all overlap and cleated joints in aluminium cladding and waterproofed.
- Check the elevated roof operation, including roof support and locking mechanism.
- Check the condition of exterior moulded plastic and fibreglass components.
- Neutralise any rust or corrosion on the suspension, chassis, bodywork and fasteners, and re-coat where applicable.

#### Interior Bodywork

- Check all locks, catches, hinges and fittings.
- Check all visible screws and fasteners for tightness.
- Check the condition of all furniture, upholstery, curtains and fly screens.
- Lubricate the curtain tracks.
- Determine the condition of the elevating roof, the fabric and fittings surrounding it.
- Check condition of the interior ceiling, walls and floor cladding.
- Check condition of the double beds.
- Check the interior moulded plastic components.
- Check operation of fresh and waste water systems.
- Check for water leaks by also using a moisture tester.
- Check fire extinguishers and the serviceability according to manufacturer's recommendations.

#### Gas Equipment (if applicable)

- Perform a gas-system leak test.
- Check the operation of the cooker, grill and refrigerator on the LP gas (if applicable).
- Check the gas cylinder for corrosion.
- Check the gas cylinder valve operation, housing and mounting.

#### Electrical Equipment

- Check the operation of road lights and vehicle connector and cable.
- Check the operation of interior and exterior lights, pumps and other fittings.
- Check the operation of the 220 V fittings, including the charger, earth-leakage and circuit-breaker protection unit and interior lights (if applicable).
- Check the condition of the 220 V supply cable and plugs.
- Check the condition of and clean the 12 V battery, terminals and connectors.
- Refill the battery with distilled water if required.

#### Water System (if applicable)

- Check the condition of sinks, basins and waste-water hoses and fittings.
- Check the condition of taps, valves, hoses and containers used for fresh water.
- Perform a water-system leak test.

### 4 General Maintenance

During the Jurgens warranty period and in the years thereafter, it is recommended that all serving and maintenance work should be carried out by the fully-trained staff at authorised Jurgens dealers.

It is just as important to carry our regular maintenance on a caravan that is used relatively little as it is on one that covers long distances.

A caravan that is not maintained regularly can deteriorate rapidly, especially in coastal areas, where salt in the air promotes corrosion. It is important to seal any crack or opening in the exterior aluminium cladding immediately, no matter how small, since continuous neglect and pressure from movement can cause a sealed joint, screw or rivet to loosen or break, leading to unnecessarily dangerous situations. A caravan that is well maintained will have a good resale or trade-in value. To ensure your caravan retains its value, Jurgens urges you to make the following checks:

- After the caravan has travelled 10 km, check that the wheel nuts are tight. This check should be repeated every 400 km for the first 1600 km and before the start of every journey.
- Whenever possible, check that the caravan's brake drums are not overheating.
- This check should not be performed after the brakes have been subjected to heavy use such as constant braking when travelling downhill. If you find that the brake drums are overheating for no apparent reason, the caravan needs to be taken to a Jurgens dealer as soon as possible to have the bearings and complete braking system checked.

### 3 Warranty Validation Service

- Check the brake adjustment. If you are not sure how to do this or find something out of place, take the caravan to the nearest Jurgens dealer.
- All visible screws and bolts should be kept firmly tightened without being forced.
- For your safety, you should have the gas and break systems checked every 3000 km or every six months, whichever comes first. The worse the condition of the roads you use, the more frequently this check should be made. The gas and brake system should also be checked before departing on any long journey.

### Periodic Servicing

This periodic check and miniature service is the minimum requirement for keeping you caravan in good condition. Whatever necessary, clean, adjust and lubricate the following items:

#### Exterior

- Brake mechanism.
- Corner steadies.
- Towing coupler.
- Jockey stem and wheel.
- Suspension, including cleaning and re-greasing wheel bearings and end-play. It is not advisable to over-grease wheel bearings. Use a recommended bearing grease with a high melting point – the dust cap should not be filled up with grease.
- Tyres: check for irregular wear – also check the inside tyre wall for damage.
- Tyre pressure.
- Check wheel nuts, which should be tightened to 104 Nm. Also check brakedrum retainers.
- Check chassis members and A-frame for corrosion.
- All catches, hinges and fittings.
- All visible screws and nuts for tightness and corrosion.
- Check all door and window weather seals.
- Check the elevated roof, including the locking devices.
- Sealants around roof vents and on pop up models, along the outside of the soffit roof ring, as well as the tent extrusion overlap on the roof.

#### Interior

- All catches, hinges and fittings.
- Check all visible screws and nuts for

tightness and corrosion.

- Condition of the furniture, upholstery and curtains.

#### Gas and Electrical Equipment

- Check the battery charger, power distribution board and earth leakage / circuit-breaker protection unit (if applicable).
- Check the cooker and microwave (if applicable).
- Refrigeration operation and the gas and 220 V supply (if applicable).
- Gas regulator and gas system: check for leaks.
- Check the road-light wiring and operation, including the connector, plug and cable.
- Interior lights wiring and operation.
- Check the 12 V power cable and socket for insulations damage.
- Check the 220 V power cable and socket for insulation damage.
- Check the caravan battery (if applicable).

#### Cleaning and Polishing

##### Exterior Bodywork

You should wash the caravan frequently, using warm or cold water to which a small amount of automotive 'wash & wax' liquid or a non-abrasive household detergent has been added. From time to time, polish the caravan with a non-abrasive silicone polish, as it will help protect exterior components. The undercarriage components need special attention; screws and fasteners need to be checked for corrosion and treated with a suitable neutralising agent.

##### Aluminium Mouldings

Special polish is available for aluminium mouldings, but reputable cleaner or silver polish can be used. Polish that is for metals other than silver should not be used as they can damage the aluminium.

##### Upholstery

As with all upholstery, dry foam should be used to clean the seats and backrest covers. Washing and dry cleaning are not recommended as they can fade and damage the high-quality fabrics.

##### Interior Walls and Furniture

Warm water and soap or a mild, non-abrasive detergent can be used to remove dirt marks that are not likely to stain.

Frequent cleaning of the interior walls and furniture helps to ensure that dirt marks do not become permanent.

##### Acrylic Windows

Wash the windows with a chamois leather cloth that has been lightly dampened then wipe over with a clean, soft dry cloth. Cleaning or wiping dust off the windows with a dry cloth will cause fine scratch marks – rinse dust off first.

##### Moulded Plastic Parts

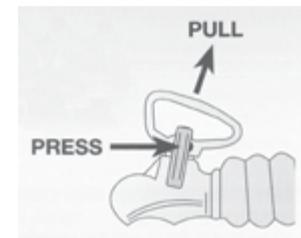
Slight discoloration and fine scratches on the moulded plastic parts can be removed by gentle buffing with a soft cloth and cleansing polish that contains very mild abrasives. Do not use methylated spirits on any plastics as this can react chemically and reduce the lifespan of the plastics.

##### General

Extreme variations in ambient temperatures and humidity may result in slight distortions in the outer aluminium skin of the Vacubond caravan sidewall. Such distortions are acceptable and are not attributable to construction defects; they are entirely superficial. Jurgens will not be held liable for any loss or damages resulting from such variations.

## 5 Coupling and Uncoupling the Caravan

Figure 1  
Jurgens  
Trailco Coupling



Your caravan is fitted with a Jurgens Trailco coupling (see figure 1). Always ensure that the jockey-wheel locking plate, located between the jockey stem and the flyscrew on the coupling, is in the correct position. Failure to do so can result in the jockey stem becoming damaged and slipping.

##### To Couple

Position the tow vehicle and caravan combination so that the towball is immediately below the head of the caravan coupling. If necessary, raise the height of the coupling by winding the jockey-wheel handle.

Place the safety chain over the top of the coupling head and align the coupling directly over the towball. Lower the coupling head on to the towball by winding the jockey-wheel handle. At the same time, depress the safety catch lever of the coupling head handle. As soon as the coupling head is seated securely over the towball, release the coupling head handle.

Lift the jockey-wheel by rotating the jockey-wheel handle as far as it will go. Lift the jockey-wheel stem as high as possible and lock into position using the screw clamp. Then re-check the position of the safety chain over the towball.

Connect the caravan's electrical plug to the socket on the tow vehicle and check that the caravan's running and indicator lights are operating correctly. Then release the caravan handbrake.

##### To Uncouple

Apply the caravan handbrake and disconnect the electrical plug from the socket of the tow vehicle. Remove the safety chain from the towball. Lower the jockey stem and clamp it firmly into position. Raise the coupling head by winding the jockey-wheel handle. At the same time, lift the coupling head handle and depress the safety catch. While removing the coupling head, you should rotate it towards you. This will make the coupling head free itself more quickly.

##### Off-Road Vehicles

Some 4x4 off-road vehicles have an extremely rigid rear suspension, which tends to transmit a jarring action to the caravan. This can make towing difficult and damage the caravan. A rubber or spring – loaded connection adapter should therefore be used to damp the vibrations.

## 6 Tyres and Wheels

### Tyres

From a safety point of view, the correct tyre size, tyre pressure and GVM limit of the caravan are most important. If they are not correct, you cannot expect stability or trouble-free towing.

The rims and tyres on the caravan have been selected after consultation with the manufacturers, taking into account the maximum permissible load and the range of normal travelling conditions. The correct tyre size must be fitted to ensure safe travelling.

### Safety Precaution

Check and adjust tyre pressure only when the tyres are cold. Closely inspect both tyres for cuts, particularly on the sidewalks, in and outside, and remove small stones from the tread as these can cause premature wear. Examine the tyres regularly for uneven tread wear and take appropriate action the movement uneven wear becomes apparent. Tyre wear on both outside shoulders indicates under-inflation or overloading. Tyre wear on only one shoulder indicates incorrect wheel alignment or pitching.

Feathering of the tread ribs indicates incorrect wheel alignment, either toe-in or toe-out. Other forms of irregular wear can result from suspension problems, incorrectly set brakes or manufacturing defect in the tyre.

Regularly check the tread depth and do not let it pass the legal limit. When the time comes to replace a tyre, make sure it is of the same size and ply rating as the original. Do not fit tyres of different quality or make.

### Wheel Balancing

Wheel balancing in the rear tyres of a tow vehicle improves stability and eliminates rear-end shudder and vibration. You should therefore have all wheels balanced on a regular basis.

## 7 The Electrical System

### 12 V Interior Lights

The interior fluorescent lights have a 2,5 A fuse fitted into the light fixture. If a light fails, the fuse should be checked and replaced if necessary. If the fuse continues to blow,

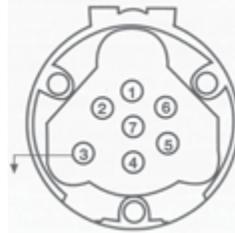
consult your Jurgens dealer as soon as possible.

### Road Lights

All Jurgens caravans are wired negative to earth and conform to International Standards Organisation specifications. See wiring diagram 'A'.

#### Diagram A

##### 7 Pin Plug/Socket Wiring



VIEWED FROM BACK OF TOW VEHICLE SOCKET



VIEWED FROM BACK OF CARAVAN PLUG

Contact Number	Function	Caravan Wire Code
1	Left-hand indicator	yellow
2	Spare	blue
3	Earth	white
4	Right-hand indicator	green
5	Right-hand tail light	brown
6	Stop light	red
7	Left-hand tail light	black

If tow vehicle tail lights are on a single circuit, it is necessary to bridge pin 5 and 7 on the socket only.

### Battery Clamp

Check that the battery terminal clamps are always correctly connected on the battery. The positive clamp (blue wire) needs to be clamped to the (+) post of the battery. The negative clamp (white wire) needs to be clamped to the (-) post of the battery. Always connect the positive clamp first. When disconnecting, always remove the negative clamp first. The battery has been fitted with terminal clamp covers and, in the interest of safety, these covers should not be removed.

### Water Pump (if fitted)

The water pump and non-return valve are connected into the plumbing and electrical system. They can be lifted out of and replaced back into the 25-litre plastic water container mounted in the gas-bottle compartment (in certain caravans). To fill the water bottle, unlock the compartment lid and remove the pump. When replacing the filled bottle, make sure that the bottle fits securely on the compartment floor, and replace the pump so that it rests at the bottom of the bottle.

The pump will operate automatically when a tap is turned on. Dirty water will affect the operation of the pump. When towing the caravan, do not have more than five litres of water in the bottle.

### Battery Maintenance (if fitted)

For long battery life and reliable service, remember the following:

Battery fluid should be checked weekly. Top up only with distilled water. The correct level is 5mm above the planes.

Well-water and untreated water should be used only in an emergency. Never add acid. A frequent need to top up may indicate faulty battery charging. Check that all connections are clean and tight.

If the battery has an accumulation of dirt or grease it must be removed for cleaning with a mild solution of baking soda and water. Make sure the vent plug is firmly in place and then brush the solution on. Allow it to work for a minute, then rinse with clean water. Wipe the cover dry and refit the battery.

Before storage, fully charge the battery and adjust the fluid level in each cell.

Store the battery in a cool, dry place on a wooden shelf. It must not be stored on cement or concrete. Check the specific gravity of the acid every 30 days and recharge the battery in the hydrometer readings are below 1,23. Trickle-charge the battery once a month if it is stored for a long period.

Keep sparks, flame and cigarettes away from batteries at all times.

Keep cable terminals and clips clean and tight but do not over-tighten. Do not allow the

battery to become fully discharged as this can halve its life.

Do not use battery additives, as these are not made, marketed or recommended by any battery manufacturer.

Do not install a completely flat battery in a vehicle with an alternator as serious damage may occur.

Do not attempt to 'test' a battery by shorting across the terminals. This causes serious internal damage to the battery and can result in an explosion.

If battery fluids is spilled, determine the specific gravity of the remaining fluid and top up with the same strength. If this is not possible, fill with distilled water immediately and have the battery serviced by the manufacturer or a reputable battery specialist. Your Jurgens dealer should be able to assist you.

Proper care will extend battery life. When you have to replace the battery, do so with one of the same size and type.

## 8 The Chargemaster

The Chargemaster is a combined battery charger and electrical distribution board, which must be used when the 12 V caravan battery is connected. Make sure it is correctly connected as described under the heading 'Battery Clamps' or damage may occur. The built-in charger can be connected to a 220 V mains supply with the mains cable provided.



### Using the 12 V Battery Only

When the caravan is not connected to a 220 V power supply (in a caravan park or at home), 12 V power from the battery supplied direct to all caravan appliances other than the refrigerator microwave oven (excluding caravans operating on 220 V only).

Your caravan is fitted with either a Hercules 10 or a Hercules 20 (see photo opposite).

A short circuit in the 12 V wiring will melt the respective fuse. The fault must be determined and corrected by a competent technician or circuits and equipment may be damaged.

### Using a 220 V External Supply

To connect the Chargemaster to an external 220 V supply, connect it to the 16 A 220 V plug on the offside of the caravan. The other end of the mains cable must be fitted with a plug that is suitable for connection to the 220 V source. This connection may need various adapters as the connection type varies from one caravan park to another.

To reset – push switch down first and then lift up.

### Your Jurgens dealer should be able to advise you.

With the caravan connected to the mains power supply, the combined main earth leakage and power-overload switch must be turned on. When on, the main indicator light will glow. Any overload to the 220 V circuits will cause this switch to trip.

Power can now be transferred to the charger and the 220 V sockets, including the 220 V supply for the refrigerator. You can now use the individual switched to activate all appliances.

The total power available from all 220 V socket outlets is 3500 watts, (a current of 15 A), depending on the power source.

While the 220 V supply is connected, the battery charge is maintained by the built-in charger, which automatically regulates the trickle charge.

An uninterrupted charging period of 12 hours is recommended after heavy battery use. The greater the demand, the longer the charging period to restore the battery to a fully charged condition.

### Power Limitations

The 220 V power in the caravan depends on the power available from the source, whether it is from a caravan park, industrial area or domestic area.

If a caravan park provides up to 6.3 A to each caravan site, you can use only the appliances that do not exceed this limit. Check with the park manager before connecting to the power source.

## 9 The Gas System (if applicable)

Your caravan is equipped with a gas hob and a gas refrigerator that can also work off 220 V electricity. The gas is a mixture of butane and propane, similar to that found in cigarette lighters. The gas is quick and clean to use, it does not give off smoke or soot, there is no smell from its burning and it is not poisonous.

### Simple Tips for Gas Appliances:

- When a gas bottle is empty, close the valve to keep out dirt and moisture
- Always place a plastic cap or masking tape over the nozzle of the gas regulator when it is not connected to the bottle. This will keep out dust and insects and protect the sealing ring
- Do not tamper with the gas regulator; it is correctly adjusted when bought. If you suspect it is not accurate, ask your nearest Jurgens dealer or gas agency to check it. Always maintain good ventilation in your caravan when gas appliances are being used; the oxygen used in combustion needs to be replaced
- Gas burners should burn with a steady blue flame. A yellow colour indicates too much gas in the mixture. You can regulate the mixture with the adjuster fitted to each burner. When adjusted correctly, the flame should not 'pop' when turned off quickly
- Fill cooking utensils before placing them on the burner and turn off the flame before removing utensils from the burner
- When igniting a burner, first light a flame, hold it near the burner and then turn on the gas
- If the utensil is smaller than the gas flame, reduce the flame accordingly
- Do not leave gas burners alight with a very small flame near windows or doorways. A draught may extinguish the

- flame and the gas will be left running
- If a flame is extinguished accidentally, close the tap and open all doors and windows to disperse any unburnt gas before re-lighting the burner
- If a light is needed when entering a caravan that has not been opened in a while, use an electrical torch and not a naked flame.

### Checking for leaks:

Although a gas leak is unlikely, caution is always advised. Follow this simple procedure if you do smell gas:

- Turn off all control knobs on the cooker hob and fridge. Close the gas bottle valve and open all windows and doors.
- Re-open the gas bottle. If there is a leak, your nose will soon tell you where it is coming from.
- You can pinpoint the location of the leak by applying soapy water to the pipe joints and fittings with a clean paint brush and watching for bubbles.
- Never trace a leak with a lighted match! A Campworld dealer should check the gas system every six months, or more frequently if the caravan is used often over rough roads.

## 10 The Gas Hob (if applicable)

### Lighting the Hob Burner

As a safety measure, the control knobs have to be depressed before they can be turned.

When lighting the burner, ignite the match or lighter before turning on the gas. Hold the gas button in until the gas burner has been burning for approximately 5 seconds. Turn the relevant control knob counter-clockwise to the high position then adjust the strength of the flame by turning the control knob counter-clockwise until the desired flame strength has been reached. Now place the utensil in position. The hob is suitable for pans from 10cm to 22cm in diameter.

Do not allow the gas flame to extend beyond the bottom of the cooking utensil as this will waste gas. To switch off the hob, turn the knob clockwise to the 'off' position.

### Cleaning

Clean the appliance immediately after use with a cloth wrung out in soapy water. Do not allow spills and grease to accumulate and

do not use harsh abrasives. Soak the grill rack in hot soapy water to make cleaning easier.

## 11 The Refrigerator and Refrigerating

Your caravan is fitted with a refrigerator that operates off either LP gas or 220 V electricity. For more information on the refrigerator and refrigeration, refer to the manual supplied with the caravan.

The following Points are of Special Interest:

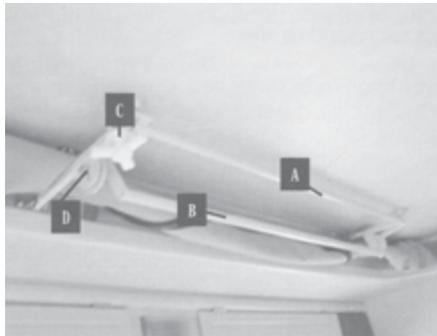
- Pre-chill the empty refrigerator for at least eight hours before using it. This can be done by using either LP gas or 220 V electricity. Always try to load the refrigerator with pre-frozen or pre-chilled foodstuffs and drinks.
- Do not use the refrigerator as a deep freezer.
- Do not overload it, as this will limit interior air circulation, reduce chilling power and possibly lead to the loss or perishables.
- Pre-chilling confirms that the refrigerator is in working order before you go away.
- For maximum chilling, turn the thermostat knob clockwise.
- In warm weather, air circulation to the refrigerator can be increased by opening the swivelling ventilators fitted in the caravan wall behind the refrigerator.
- When operating the refrigerator on gas after an extended time or having changed the gas bottle, you will need to clean out any air from the gas pipes.
- To do this, light one of the burners on the hob, switching it off immediately it settles down to a steady flame – about 10 seconds. The press the gass selector knob for three 10-second periods, allowing any air in the gas supply pipes to disperse. The fridge can now be lit using the standard lighting procedure.
- The juice of meat and fish is very acidic and should be removed from the refrigerator as soon as possible with a clean, moist cloth.
- When not in use, the refrigerator should be cleaned and left with the door open to prevent condensation and the development of odours. This will also prevent the rubber door gasket from sticking to the door frame.
- A mild solution of ammonia in warm

water is ideal for interior cleaning, but before closing the caravan up, make sure the interior is dry.

- When the caravan is not in use for a long time, the refrigerator should be lit on gas once every four to six weeks. This will help keep the refrigerator components in good working order and the burner free of dust and cobwebs. Keep the refrigerator burning just long enough for ice to form in the ice tray.
- The flue tube and refrigerator burner should be cleaned annually to avoid a build up of rust scale, which may collect in the flue tube. If scale is allowed to drop into the burner, it may affect the flame.

## 12 Elevated Roof Operation

The locking device for the elevated roof is an essential component that is combined with the stabiliser at each end of the roof. Both the roof opening and closing can be done by one person, however it is easier to do it with two people. Attention must be given to ensure that the front and rear locking bars are free of the catches.



### Opening the Roof

#### Step 1

Unscrew the 3 prong with bolt (C) until fully removed. Using both hands at each end, not in the middle, of the locking bar (B) pull it upwards until it releases from the catches (D).

#### Step 2

Gently push upwards on the grab handle of the roof panel to open the roof. The gas springs will assist in opening the roof fully. Once the roof is fully opened insert the three prong wing bolt to lock the roof opening

mechanism in the open position.

### Closing the Roof

#### Step 1

Remove the 3 prong wing bolts (C). Place your one hand on the grab handle in the roof panel, and your other hand on the locking bar (B); making sure the locking bar is pulled fully towards you.

#### Step 2

NB: The roof is pulled down using the grab handle NOT the locking mechanism.

#### Step 3

Pull down the roof panel using the grab handle, while ensuring the locking bar is not trapped between the scissor mechanisms. Take care not to pinch your fingers between the various components in the locking mechanism. Take special care to ensure that the canvas roof surround is not interfering on pinching between the various components of the roof mechanism and fully pulled in on the sides. Take care when lowering the roof as you will have the lower your head downward so as to avoid the roof bumping your head.

#### Step 4

Once the canvas roof surround is fully pulled inward, but not interfering with the roof mechanism the roof can be locked closed. Using both hands at each end of the locking bar (not in the middle) pull the locking bar downwards until the catches have locked in place.

## 13 Caravan Windows

All opening windows can be secured in any position from fully closed to fully open by turning the thumbscrews located on the sliding stays. The locking catches, however, can be set in two positions: one in which the window is fully closed and seated against the rubber seal, the other in which the window is slightly ajar, allowing for a small amount of ventilation. Do not force the windows beyond their opening limits and always use one hand on each side of the window when opening or closing, providing balanced support. The windows must be fully closed when towing, with all the catches in the locked position and the thumbscrew tight on the sliding stays.

## 14 Kitchen Unit Worktop

The kitchen worktop is covered with a laminate that resists the effects of heat and moisture. However, you should always use a heat protector, such as a chopping board, when placing hot items on the worktop. Any liquid spills should be wiped up as soon as possible to avoid stains and surface deterioration.

## 15 Microwave Oven (if fitted)

Please refer to the microwave oven manual before operating the oven. When travelling, the platter and roller ring should be removed. Some important points are:

- Do not operate an empty microwave oven.
- Ensure that cooking times are correctly set.
- Do not attempt to dry clothes or flow-ers in the oven.
- Do not use newspaper in the oven.
- Do not use any metal container, foil or gold/silver-trimmed container in the oven, as this will cause arcing.
- All foods with a membrane or firm skin (such as eggs, potatoes, apples or gem squash) must be pierced before placing inside the oven.
- Do not attempt to deep fry in the oven.
- When the oven is not in use, ensure the timer is in the off position.
- Always slightly undercook the food, as the recommended standing time will complete the cooking cycle.
- Overcooked food can be dry or tough.

## 16 Side Tents

### Maintenance

Jurgens tents will benefit from proper care and careful handling. The most frequent cause of cloth breakdown is diamond spot mildew, a fungal growth. To avoid this and prolong the life of the tent, keep it clean with regular brushing using a firm, soft brush. Do not use detergents on roof canvas as this can affect its waterproof properties. The tent sidewalls are made of acrylic canvas and have been treated with a fabric protector to resist water and dirt.

Before the first outing and after long periods of dry weather, the roof canvas may leak in heavy rain. This is because the material has lost bulk through dehydration, allowing the

weave to open slightly. When wet, the fibres will swell and seal if given the opportunity. This action, assisted by the waterproofing agent, will help the roof become watertight again.

The tent must therefore be erected and hosed down before the first outing, and this wetting process should be repeated if the tent has been stored for a period of six months or more without use. Make sure the tent is completely dry before packing it in its storage bag or mildew will form. As with other materials, the tent must be stored in dry conditions.

If you have to take the tent down when it is wet, do not fold it tightly. Rather bundle it together loosely and dry it out at the first opportunity.

When storing the tent, make sure it is absolutely dry and folded with the zip open. Never store bag or tent on a concrete floor as this encourages condensation and moisture. Rather keep it on shelf or raised platform with good ventilation. If a long period of storage is likely, open the tent to allow it to air every three months.

Always carry silicone proofer, which can be bought in an easy-to-apply aerosol form from any Jurgens dealer.

### Preventing Storm Damage

Storm damage is not covered in the side-tent warranty, but you can take special precautions to ensure long life for the side tent. For example, make sure the tent is correctly pegged with enough tension for stability. Check each side of the tent, because slack or incorrectly erected panels are susceptible to wind damage, and water will be able to collect in hollows and collapse the tent.

If strong winds are likely, use the additional support of guy ropes and storm straps. Rolling up the clear plastic windows will help to relieve the wind pressure on the tent.

The spring-loaded anchor pegs and rubber tension rings normally allow for the slight shrinkage of the tent fabric when it gets wet. However, should it appear that the roof tension is too tight, slacken the ridgepole length adjusters slightly.

### Side Tent Zips

Zips are used on doorways, windows, flaps and side front panels. This allows them to be removed, which reduces the weight of the tents when being erected, provides better ventilation and allows for accessories such as the multi-room to be fitted.

These zips cause no trouble if handles correctly. When packing the tent the zips should be left open. When pegging down the tent, the zips should be closed to avoid overstraining.

The prime cause of zip failure is kinking, so take care not to stand on the zips when handling the tent. A light wipe of candle wax on the zip will help with lubrication and allow the zipper to operate more smoothly. A light wax deposit on the zip will also help to prevent water seeping through the zip teeth. Never force the zip. If the slider does not engage easily then something is wrong and it will be found that either the feed-in section of the zip has not been aligned properly or there has been excessive cross-pull on the zip, which could be due to over-tight pegging. If the zip is not opening, adjust the tension and correct the position of the incorrectly placed peg.

### Multi-Room Facility

As a handy optional extra, canvas multi-rooms are tailor-made to install in the openings provided by the removal of the loose sidewalls of the tent. As your Jurgens dealer for more information on the multi-room.

### Mud Flaps

Unsupported PVC is used as a mud flap to keep the lower edge of the tent wall clear of the ground and prevent soiling and mildew build-up. Properly used, the mud flaps should not be under tension, as the rubber rings fixed to the canvas should take up the full tension. The mud flaps can be tucked away in a slack position under the side poles without ill effect but could tear at the seam line if stretched.

### Tent and Bag Care

Never drag the tent or bag over rough surfaces but rather surface them with a tarp or carry them to the point where the tent will be set up. Do not set the tent up on contaminated surfaces and always use a groundsheet. Do not walk on the tent as this could cause sharp objects underneath to penetrate the tent

fabric. These simple precautions will prolong the life of the tent.

### Side Tent Repairs

Your nearest Jurgens dealer will be able to help you obtain professional repairs from the Jurgens factory.

## 17 Spare Parts

All Jurgens dealerships offer a comprehensive range of parts for your caravan. When ordering parts from the Jurgens dealer, the chassis number and caravan model should be quoted. The chassis number can be found on the kerb side of the caravan A frame.

## 18 Caravan Hints

### Towing Stability

When the caravan and tow vehicle are loaded, passengers included, the combination should stand as level as possible. The caravan nose can dip down slightly but never upwards. The rear end of the tow vehicle should not sag excessively. To achieve this correct combination, the rear suspension of the towing vehicle must be in correct working order and the springs and shock absorbers should be working efficiently. If the suspension seems a little soft for the towing, these are numerous towing aids that can be used. Contact your nearest Jurgens dealership for details.

The height of the towball on the vehicle tow bracket can have a very serious effect on towing. It must not be too high or too low, and a drop-plate can help correct the height. Your Jurgens dealer can also help with this accessory.

Tyre pressure on both tow vehicle and caravan can affect towing stability and correct pressures must be maintained. It is very important to keep the tyre pressure the same on both sides of the caravan and both sides of the tow vehicle. Inflate the tow vehicle tyres to the manufacturer's recommended pressure for towing, and inflate the caravan tyres to the recommended pressure given under the 'Miscellaneous Equipment and Data' heading.

The distribution of the load inside the caravan is important to towing stability. The best trim must be achieved, but this will

vary according to the layout of the caravan. An extremely heavy or light nose weight is not desirable and you should, when loading your caravan, keep the combination slightly nose-heavy. Overloading or uneven loading will cause towing problems, and the position of the refrigerator and kitchen unit must be taken into consideration since these can become quite heavy without you realising it.

Trial and error will determine the best method of loading your caravan, but if you are at all uncertain about towing stability, contact your nearest Jurgens dealer immediately. Your caravan has been designed for first-class towing stability, and your dealer can help you achieve this.

### Loading and Towing

To ensure safe towing, the caravan has been designed to be towed when slightly nose-heavy. If the caravan is tail-heavy, it will develop a sway. Always keep heavy items such as the tent or deep freeze in the middle of the caravan, over the wheels or slightly towards the front of the caravan. Never load heavy items in the rear of the caravan. Never load heavy items in the rear of the caravan. Light articles can be placed in the rear or in the cupboards.

**Always make sure articles are packed tightly so as not to move or fall during the journey, and check that there is no more than five litres of water in the water bottle. New caravanners will soon discover there is ample space for all the practical accessories required for a holiday. The tare mass (factory weight) and gross vehicle mass (GVM or total allowable loaded weight) of the caravan are stamped on the serial-number plate on the caravan A frame. The difference between these two masses indicates the heaviest load you can put into your caravan. Keep in mind that the tare includes the weight of the refrigerator, microwave oven, cooker and loose-parts kit. It does not include the weight of the side tent, gas bottle or battery.**

### Anti-Sway Devices

Fitting an anti-sway device to your caravan can help in windy conditions or when passing large vehicles, but you should discuss this with the Jurgens dealer before making a decision.

### Tow-Vehicle Checks

The tow vehicle must be professionally fitted with a properly designed and high quality tow bracket. This will make a difference in towing and safety, and its importance cannot be overstressed.

The coupling fitted to the caravan hitch will accept only a 50 mm diameter ball. Do not try to use a ball of any other size. Check that the one being used has a '50 mm' stamp on it. The electrical connection on the tow vehicle for the caravan lights and indicators needs to be fitted by an auto-electrician or the Jurgens dealer's qualified servicemen. By law, you need to fit large outside rear-view mirrors to both sides of the tow vehicle when towing. In terms of the Road Traffic Ordinance, a service brake must be fitted to the combination if the GVM of the caravan exceeds the tyre mass of the tow vehicle. Before making a long journey, the tow vehicle and caravan should be serviced.

### Caravan Checks

Before departing, check that the license disc is displayed on the caravan window, preferably the rear window. It is in your best interest to buy comprehensive insurance that provides full cover for both caravan and tent. Normal caravan policies do not cover personal effects, and these should be covered under a separate policy, possibly linked to your household cover. You can enquire through your nearest Jurgens dealer about insurance companies and brokers. If you wish to stay a particular caravan park for an extended period, you should book in advance. If you plan to travel outside South Africa, check that you have all the required documentation for your family, the tow vehicle and the caravan. It is a good idea to keep an aerosol tyre inflator or temporary tyre puncture kit in the caravan or in the tow vehicle.

### Preparing to Move

Before moving off, check the tyre pressure of the tow vehicle and the caravan, and make sure all the wheel nuts are tight and the miniwheel trims are securely fitted.

Check that all the contents in the caravan are firmly packed so that they will not shake loose, and remember that the mass should be evenly distributed with the load towards the front rather than the rear. Heavy items should be kept on the caravan floor. Put





**Service No 1  
6-month service**

Job card no: \_\_\_\_\_ Date: \_\_\_\_\_

Dealer Stamp

Moisture inspection

Date: \_\_\_\_\_

Dealer signature: \_\_\_\_\_

**Service No 2  
12-month service**

Job card no: \_\_\_\_\_ Date: \_\_\_\_\_

Dealer Stamp

Moisture inspection

Date: \_\_\_\_\_

Dealer signature: \_\_\_\_\_

**Service No 3  
24-month service**

Job card no: \_\_\_\_\_ Date: \_\_\_\_\_

Dealer Stamp

Moisture inspection

Date: \_\_\_\_\_

Dealer signature: \_\_\_\_\_

**Service No 4  
36-month service**

Job card no: \_\_\_\_\_ Date: \_\_\_\_\_

Dealer Stamp

Moisture inspection

Date: \_\_\_\_\_

Dealer signature: \_\_\_\_\_

**Service No 5  
48-month service**

Job card no: \_\_\_\_\_ Date: \_\_\_\_\_

Dealer Stamp

Moisture inspection

Date: \_\_\_\_\_

Dealer signature: \_\_\_\_\_

**Service No 6  
60-month service**

Job card no: \_\_\_\_\_ Date: \_\_\_\_\_

Dealer Stamp

Moisture inspection

Date: \_\_\_\_\_

Dealer signature: \_\_\_\_\_

# DEALERS

## Eastern Cape:

Eastern Cape Caravans (041) 581 5363

## Northern Cape:

Kimberley Caravans (053) 861 4865

Upington (054) 332 2245

## Western Cape:

Leisureland Caravans (021) 948 4425

Tuinroete Caravans (044) 695 2602

Tygerberg Caravans (021) 982 4670

## Free State:

Vrystaat Caravans (051) 430 3401

## Gauteng:

Comet Caravans (011) 826 6241

Discovery Caravans (012) 751 3328

Pretoria Caravans (012) 329 2259

Sunseeker Caravans (011) 613 1303

Benoni Caravans (011) 973 3747

Kennis Caravans (011) 664 7000

## Mpumalanga:

Middelburg Caravans (013) 243 5060

Nelspruit Caravans (013) 752 7790

GC Gypsy (013) 697 5121

## Namibia:

Bushwackers +264 61 258 760

## Natal:

Durban Caravans (031) 263 0144

## North West:

Klerksdorp Caravans (018) 462 7261

## Limpopo:

Xtreem Caravans (014) 743 0226