



SUNCOAST
CARAVANS



OWNER'S MANUAL

NAME:	
CHASSIS NO:	
CARAVAN MODEL:	



INFO@SUNCOASTCARAVANS.COM.AU



03 83134561

CONTENT

1. ARRIVAL CHECKLIST	1
2. DEPARTURE CHECK LIST	2
3. HOOKING UP YOUR VAN	3
4. THETFORD SES FRIDGE	5
5. DOMETIC FRIDGES	6
6. ELECTRICAL DIAGRAM	7
7. PIN CONFIGURATION OF 12 PIN PLUG	9
8. STEP-BY-STEP GUIDE TO OPERATING YOUR INVERTER 9.	12
AGM/LITHIUM BATTERY CARE & MAINTENANCE	13
10. HITECH BATTERY CHARGER HT1230	16
11. HITECH WIRELESS CONTROL MODULE	18
12. TV AND STEREO SYSTEM	19
13. TV ANTENNA	25
14. SENSOR PROBE MAINTENANCE AND OPERATION	27
15. HOT WATER SYSTEM	28
16. THETFORD TOILET	30
17. AWNING	33
18. HYDRAULIC HAND JACK	37
19. PLUMBING	40
20. UPHOLSTERY	42
21. SERVICE CHECK LIST OF HILLTOP CARAVANS	47
22. IMPORTANT CONTACT DETAILS	48
23. SUNCOAST WARRANTY POLICY	49
24. SUNCOAST CARAVAN LOG	51





1. ARRIVAL CHECKLIST

1. REVERSE YOUR VAN IN TO POSITION.



2. IF NECESSARY, USE A LEVELING RAM TO GET THE VAN LEVELED SIDEWAYS.



3. PLACE STOPPERS (CHOKS) TO THE WHEELS.

4. ATTACH YOUR JOCKEY WHEEL TO YOUR VAN.



5. APPLY THE HAND BREAK; DISCONNECT THE COUPLING, TRAILER PLUG, BREAK-AWAY CABLE AND CHAINS FROM THE CAR.



6. LEVEL THE VAN FRONT TO BACK WITH THE JOKEY WHEEL.

7. WIND DOWN ALL 4 FEET (DO NOT USE THE FEET TO LEVEL THE VAN)



8. CONNECT TO POWER USING A 15AMP POWER LEAD; CONNECT YOUR WATER HOSE AND SULLAGE HOSE.



9. TURN ON GAS. **USE SOAPY WATER TO MAKE SURE THAT THERE IS NO GAS LEAKAGE**



***BE MINDFUL WHEN YOU OPEN OVERHEAD CUPBOARDS AS THE ITEMS STORED INSIDE COULD BE LEANING AGAINST THE DOORS (FROM THE INSIDE) AND MIGHT FALL CAUSING DAMAGES TO YOU AND CARAVAN INTERIOR.**



2. DEPARTURE CHECKLIST

1. REMOVE TV AND STORE SAFELY

2. MAKE SURE YOUR ANTENNA IS WOUND DOWN



3. MAKE SURE ALL SKYLIGHTS AND WINDOWS ARE CLOSED AND LOCKED



4. CHECK TO MAKE SURE NOTHING IS LOOSE OR CAN MOVE WHILST TRAVELLING

5. ALWAYS REMEMBER TO UNLOCK YOUR HAND BREAK AND SECURE CORRECTLY BEFORE DRIVING OFF

6. TURN OFF HOT WATER SWITCH AND PUMP



7. TURN ALL POWER OFF USING THE LOW SWITCH NEAR THE DOOR.

8. GAS BOTTLES MUST BE TURNED OFF WHILE TRAVELLING



9. SHOWER HEAD SHOULD BE WRAPPED IN MAT OR TOWEL AND PLACED ON FLOOR FOR TRAVELLING.



10. **MAKE SURE ALL LOOSE ITEMS/APPLIANCES ARE WELL SECURED (MICROWAVE DOOR, GLASSES ETC).**

11. SECURE THE SLIDING DOOR, PLACE A WEDGE UNDER THE SLIDING DOOR TO STOP VIBRATION.

12. MAKE SURE FRIDGE DOORS ARE NOT OVER LOADED AND SECURE.



3. HOOKING UP YOUR VAN!

Step 1

Back your tow ball under the van.

Step 2

Once van is in place lower the van down onto the tow ball using the jockey wheel and remove jockey wheel.



Step 3

Release the handle above your tow ball.



Release

Step 4

Release the caravans hand break



Hand
break

Step 5

Attach the chain to your car making sure they crossover. You will also need to attach the break away switch to the car with one of the chains.



BREAK AWAY SWITCH





Fuse for the break away switch is located where all the caravan electrical are set up. Among them you will find a fuse box as shown in the image. The orange color wire that is leading from the 20A yellow fuse is for the break away switch.

Make sure that you check this fuse from time to time specially before starting a trip.



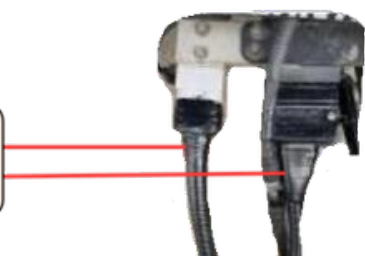
Step 6

You now need to connect all the cables that connect the caravan and car.



Connect the small circle cable that controls the camera making sure the arrows on it are lining up. Now connect your Anderson plug and your 12-pin plug.

THIS IS WHAT ALL THE CODES SHOULD LOOK LIKE ONCE PLUGGED IN



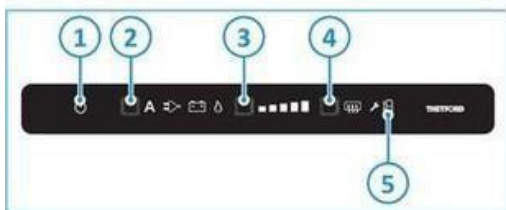
If you are using Dexter Sway Control a little green light should be on and it flashes every 15 seconds.





4. THETFORD SES FRIDGE

LCD touchscreen



1. On/off button
2. Energy source button
3. Cooling level button
4. Anti- condensation button (only for N4175)
5. Error code

Turn on the fridge by pressing the power button. This will be illuminated by a small blue LED when on.



1. After 10 seconds, the setting indication will dim. The light indicates that the refrigerator is still in function.
2. Press the source button several times until the desired source is select.
 - **Auto:** The refrigerator automatically selects the best source available.
 - **240V:** The refrigerator is powered by the mains.
 - **12V:** The refrigerator is powered by the battery.
 - **ULPG:** The refrigerator is powered by the gas connection of a ULPG bottle.
3. Push the cooling level button several times to select the desired cooling level.
 - Thetford advises to set the fridge on cooling level 3, with an ambient temperature between 15 °C and 25 °C. A higher temperature needs a higher cooling level and a lower temperature needs a lower cooling level.
4. The anti-condensation button functions automatically to prevent the control panel from condensation. Only switch it off when there is little energy by pressing the anti-condensation button once and press it again to switch it on.

For optimal performance Thetford advises, you to level the vehicle and switch on the refrigerator 6 - 8 hours before use.

PLEASE REFER THE THETFORD FRIDGE MANUAL BEFORE OPERATING THE FRIDGE AND FOLLOW THE SAFETY INSTRUCTIONS.



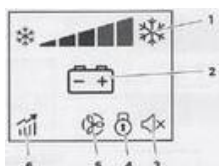
5. DOMETIC FRIDGES

1. DOMETIC RMD10 3 WAY FRIDGE (RMD10)



	ON/OFF BUTTON		OPERATING WITH AC POWER
	FAULT INDICATION		AUTOMATIC MODE
	OPERATING WITH DC POWER		TEMPERATURE INDICATION
	OPERATING WITH GAS		ENERGY SELECTION BUTTON
			TEMPERATURE SELECTION BUTTON

2. DOMETIC RUC COMPRESSOR FRIDGE

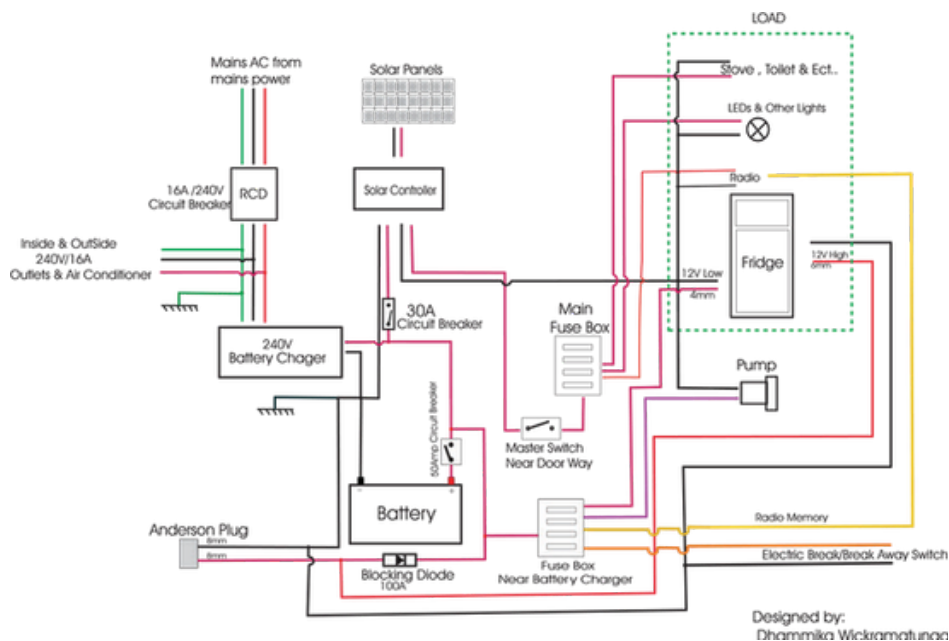


	The temperature bars show that the set temperature: Lowest bar: lowest cooling function (Warmest inner temperature) Highest bar: highest cooling function (Coolest inner temperature) Blue snowflake: compressor is on White snowflake: compressor is off.
	Display the currently used energy source. If the refrigerator is connected to AC and DC power supply at the same time, the AC power supply
	Beep off: No sound indication for extended door openings error conditions.
	Beep on: Sound indication for extended door openings or cooling function error conditions.

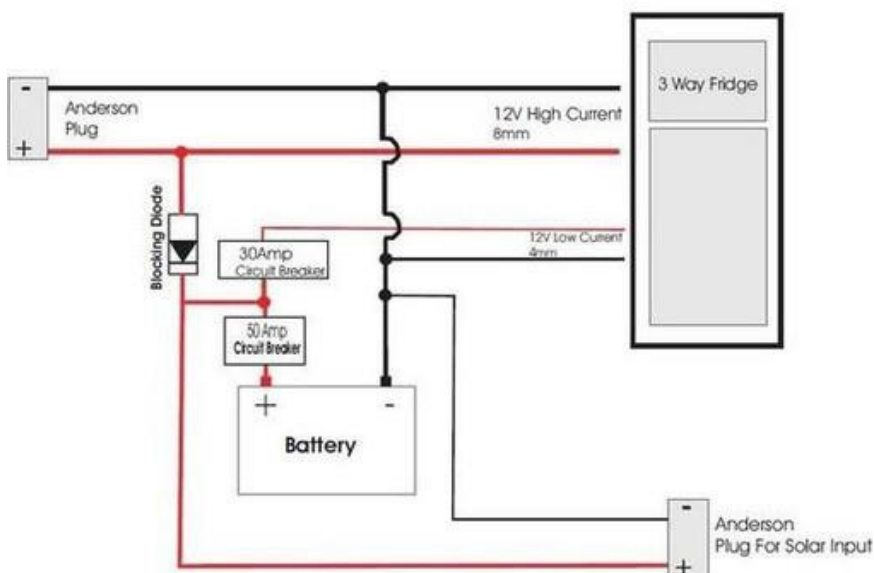
	The child lock is selectable by user to prevent accidental adjustments or children from using the control. The lock activates approx. 10 seconds after the last control knob touch and the display dims. Temporary override: Push the control knob 3 times within 1.5 seconds to unlock the control temporarily. After 10 seconds without touching the control knob, the child locks reactivated. Permanent deactivation: First temporarily override, then turn the child lock off in the settings menu.
	These symbols show the speed level of the outer fan: 1. = low speed 2. = high speed
	Performance mode (factory default mode): Uses all functionalities of the refrigerator automatically for optimized performance. The temperature can be set to levels 1 to 5.
	Silent mode: The outer fan operates at low speed and the compressor speed is limited. The temperature can be set to levels 1 - 3 Note: In high ambient conditions the silent mode cooling performance may not suit users.
	The temperature setting is fixed at level 3 and defrost function is disabled.



6. ELECTRICAL DIAGRAM

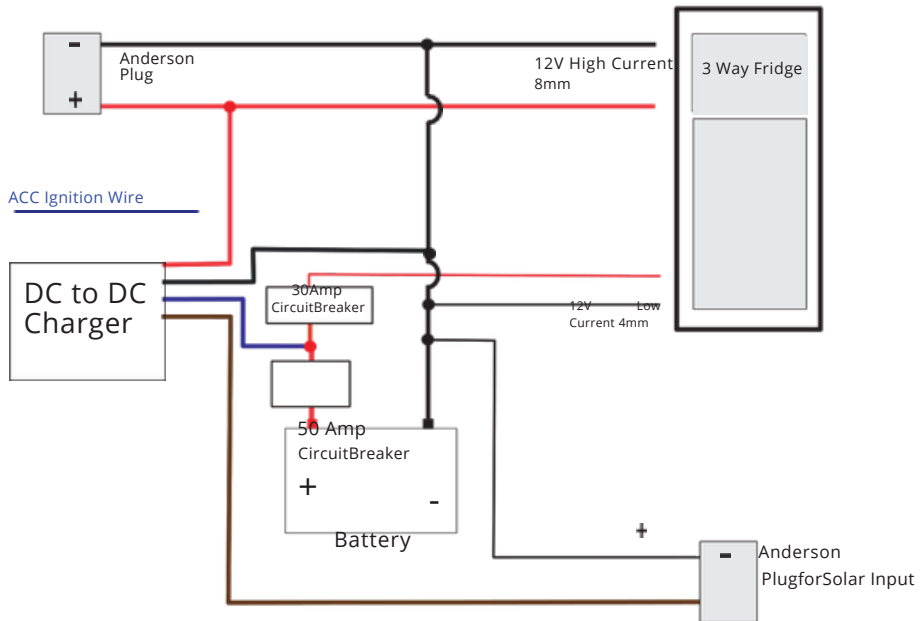


Anderson Plug Wiring For Portable Solar

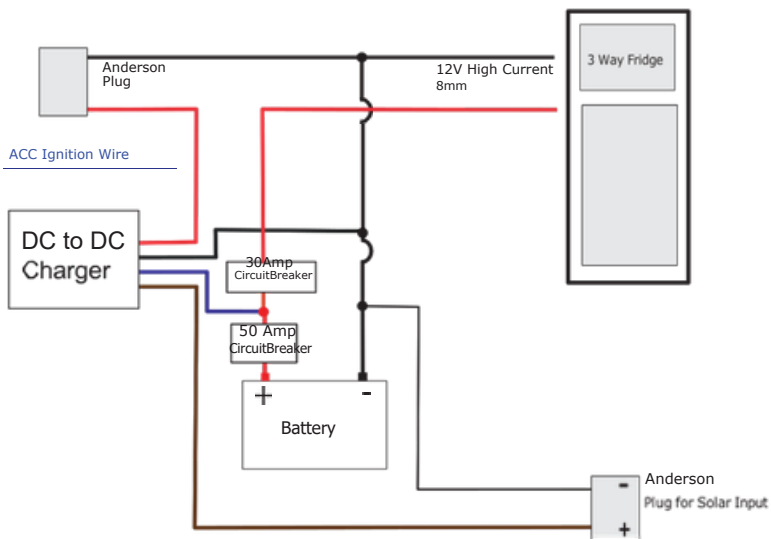




Anderson Plug Wiring for DC to DC Charger with Portable Solar (3 Way Fridge)



Anderson Plug Wiring for DC to DC Charger with Portable Solar (Compressor Fridge)





7. PIN CONFIGURATION OF 12 PIN PLUG

(This is the standard way of wiring 12pin plug in most of the Hilltop Caravans)

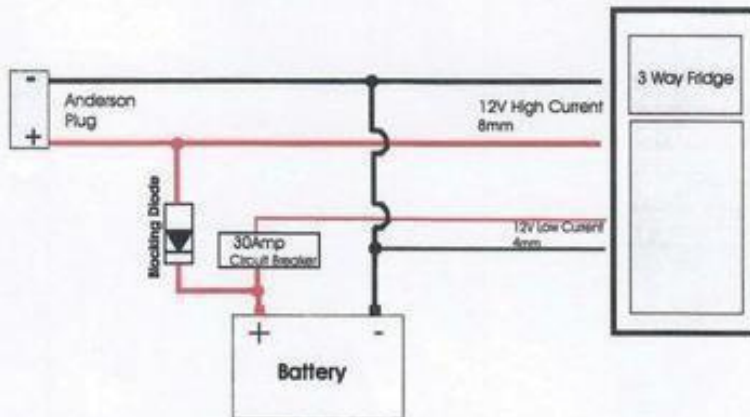
1 YELLOW: Left Indicator	8 Not in use
6 RED: Stop Brakes	9 Not in use
5 BLUE: Service Brakes	10 Not in use
3 WHITE: Earth	11 Not in use
2 Not in use	12 Not in use
7 BROWN: Tail Lights	
4 GREEN: Right Indicator	



View of 12 Pin circuits
when opening dustproof
cover.

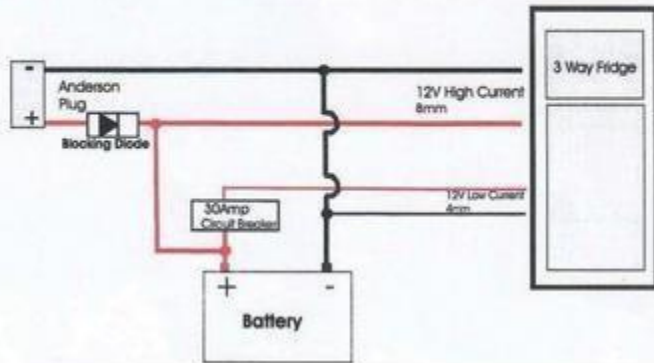


Electrical Diagram For 3 Way Fridge

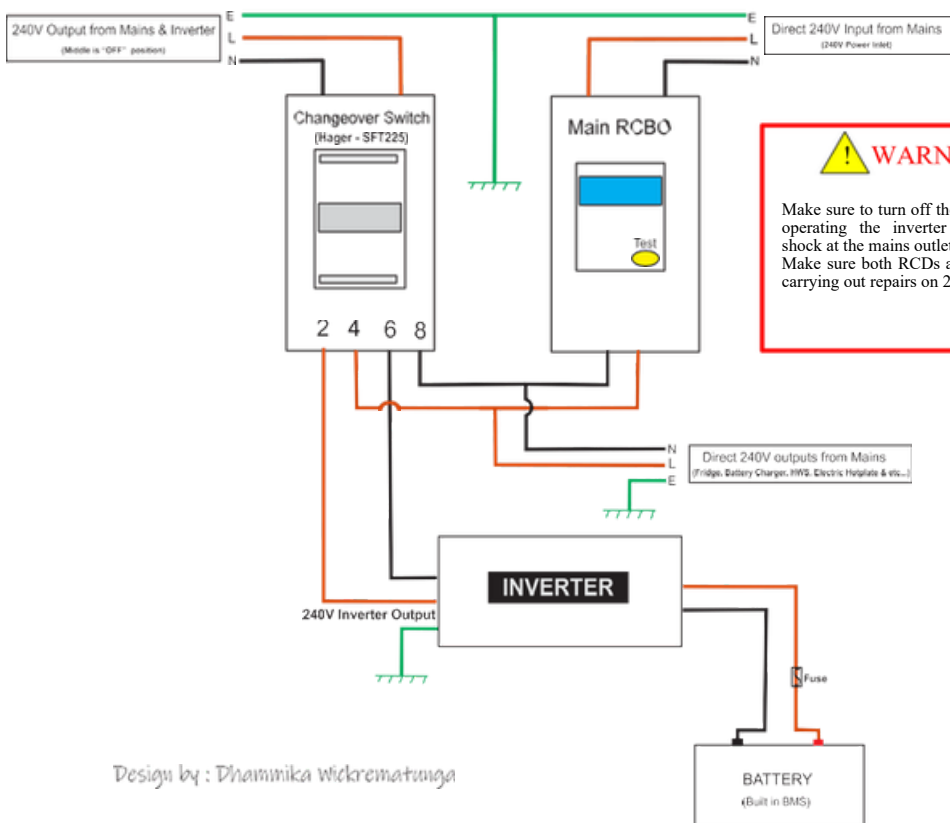




Electrical Diagram For 12V/240V Electric Fridge



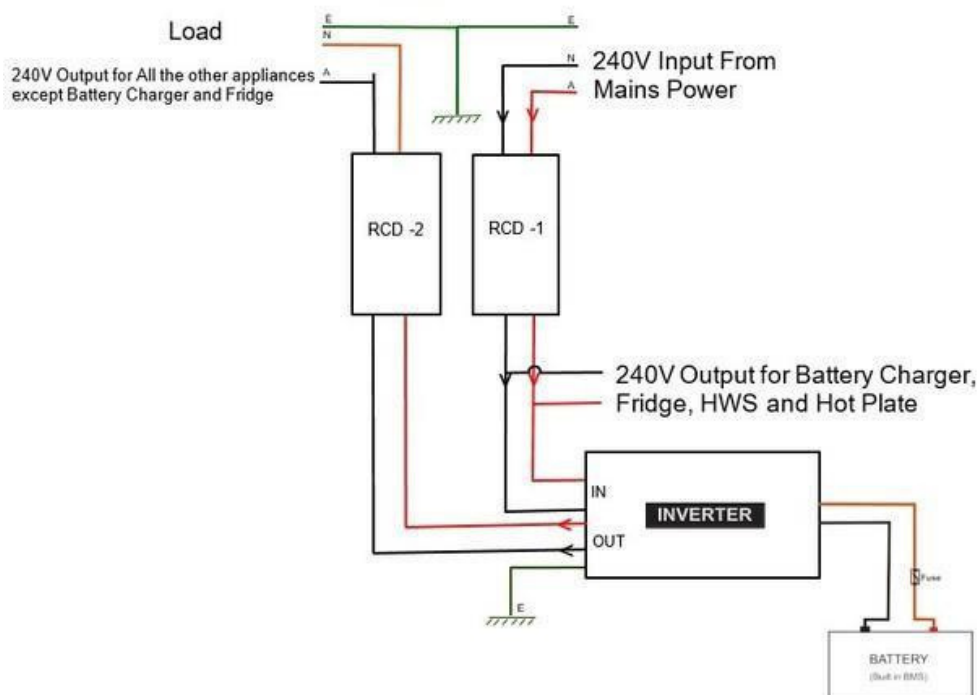
Wiring Diagram for Inverter with Changeover Switch



Design by : Dhammika Wickrematunga



Electrical Diagram For 2000W Auto Switching Inverter



Design by : Dhanmika Wickramatunga



8. STEP-BY-STEP GUIDE TO OPERATING YOUR INVERTER

- This is the right setting when your caravan is connected to the shore power.

(Sometimes Main position may be in Down position).



- This is the right setting when free camping- NOT connected to the shore power.

(Sometimes Mains position may be in Up position).



1. Do not change the position of the RCD/ RCBO. Keep the lever up at all the times to protect the system from the shore power current.
2. Turn the Changeover switch lever to the "inverter" position. This will change the power source from shore power to the inverter.
3. Switch the inverter ON via the remote switch. The air conditioner and microwave should now be powered by the inverter.
4. Turn the inverter OFF when not in use to conserve battery power.
5. Do not leave the inverter running continuously unless you require 240V power while free camping.
6. Check the inverter's built-in RCD if there is no 240V power while free camping.
7. Ensure the inverter is not blocked by any items. Keep it well-ventilated and free from dust and moisture. 8. Periodically check the inverter terminals and inline fuse.



9. AGM/LITHIUM BATTERY CARE & MAINTENANCE

Please note that the warranty periods may differ from the type of batteries you have.

Although AGM Batteries are designed to be maintenance free, taking good care of your battery will help to avoid early failure and extend its service life. Your battery comes with 12 months warranty and this warranty covers potential manufacturing defects. A poorly maintained battery can fail within 6 months. Any damage or failure that is caused by lack of maintenance will not be covered by warranty.

1. It is recommended to discharge an AGM battery no further than 50% depth of discharge, which is equivalent to about **11.8V to 12V**.

It is **important** that you have a volt meter that display the battery voltage so you can keep an eye on it. If the batteries go below 12V before you have a chance to charge it again, you should consider adding more batteries to your system. Going lower than 11.8V frequently will shorten the service life.

2. It is strongly recommended to fully charge the battery at least once every **two weeks**.
3. It is **important** that when the system is in storage, all electrical devices are either **shut down or disconnected** from the batteries. Even a very low current device can drain the battery over couple weeks and cause irreversible damage. Radio is one of the devices that can cause this issue.

If you have any question regarding the maintenance of your battery, please contact your dealership/ manufacturer for more information.

Lithium Battery Care & Maintenance

Your Lithium battery comes with 2 years warranty and this warranty covers potential manufacturing defects. A poorly maintained battery can fail within 6 months. Any damage or failure that is caused by lack of maintenance will not be covered by warranty.

*** If Your caravan has got more than one Lithium Battery, make sure you charge them individually every two months.**





How to charge your batteries individually?

First disconnect the 240V from the caravan and switch off the inverter if you have got one.

Now disconnect the negative terminals of all batteries except for one to separate them from the circuit.

For an example, if your caravan has got two batteries, disconnect the negative terminal of one battery after disconnecting the 240V plug from the caravan and switching of the inverter if you have got one.

Connect 240V (mains) back in to the caravan and let the battery that is not disconnected to be charged fully (100%) from the housing battery charger for about 6 to 8 hours.

Once it is fully charged, disconnect the 240 V once again, and make sure that the inverter remains switched off.

Now disconnect the negative terminal of the battery that you fully charged, and connect the negative terminal of the battery that you disconnected before back in to that battery. Let that battery be fully charged as well by running the housing battery charger for 6 to 8 hours.

Now you have fully charged your batteries. Repeat the process for all batteries that you have.

If you have latest lithium battery such as HiTech 3rd Gen, you can use the following YouTube video link

<https://www.youtube.com/watch?v=FCMvy8w8raU/>



How Do you Charge Your Hitech Lithium Batteries individually?

104 views • 5 months ago



RV Tech Talk By Dham

If you have got more than one lithium battery in your caravan or any other setup and all the batteries are connected parallel, this ...





Diagnosing battery charging issues step by step

1. Before connecting or running any appliances get the battery voltage (V1) from the reading of solar regulator or using a multi meter at the battery terminal.

2. If V1 (battery voltage) is greater than 12.6V battery has got decent charge in it. So you can run some of the 12V appliances such as fan, range hood, TV for about 15 to 30 minutes and get the battery voltage (V2) as you did before.

If V2 is still greater than 12.6V your batteries are in fairly good condition. But constantly do monitor the battery voltage and try to keep the battery voltage above 12V.

3. Make sure to double check if 240V lead is properly connected (you can check the availability of the 240V by pressing the TEST button of the 240V RCD which is mounted onto the caravan wall).

If 240V current is not available when you press the TEST button the RCD won't

4. If 240V is properly connected and if the battery voltage is lower than 12.7V battery charger should operate as usual. You can see the data by pressing the display button.

5. Hilltop uses the **HiTech stage 4 smart** battery chargers for their standard caravans.

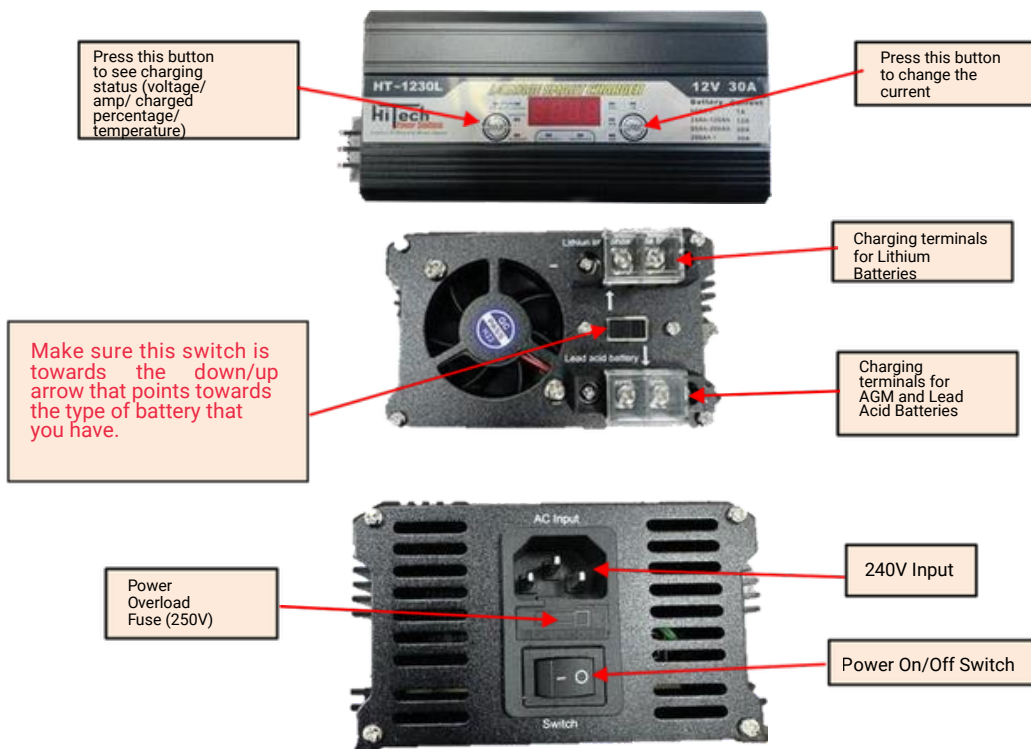




10. HITECH BATTERY CHARGER - HT1230

HiTech 30A battery chargers are technologically advanced with complete circuit. Imported

Integrated PWM is adopted for control. Having the functions of automatic voltage stabilization and current-limit charging in order to work properly even in the regions of power fluctuation. 4 stage charging system will handle the charging more efficiently and 4 different Amp settings will allow you to select Amp settings manually. Temperature sensor will display the inside temperature of the unit. On board timer can be used to allocate charging time frame. Voltage indicator shows the current voltage.



Check your 240V plug regularly, sometimes 240V plug may get loose due to vibrations when you travel.

Feature

- 4 Phase Charging Mode: Prefilled, Constant Current, Constant Voltage, Floating
- 4 Selectable Charging Current: 7A/12A/20A/30A
- LCD Display Shows Voltage, Current, Charging Time and Temperature
- High Charging Efficiency
- Reverse Connecting Protection Short Circuit Protection
- Over-temperature Protection
- Temperature Sensor Included
- Built in Micro-Computer Technology
- Alternative Charger Output and Power Adaptor Output
- Intelligent Battery Detection and Reactivation Repair Function

Technical Specifications:

Model- HT-1230
Item - 12V/30A
Input Voltage (AC) - 210V-240V Output Voltage (DC) - 12V-14.7V Output Current (OUT) - 0.5A-30A Output Power (HP) - 450W



Please make sure your battery charger is correctly configured according to your battery type as mentioned in the above diagram.

1. If the battery charger is not functioning, double check the plug-point to see if the battery charger plug point is switched on.

2. As these two battery chargers are 'smart' battery chargers the amount of current sent to the batteries and the speed of the fans may vary from time to time. It is advisable for you to check your batteries every 2-3 weeks.

3. If you have forgotten to charge your batteries for a long period of time (over 3 weeks) your batteries may get flat. Easiest way to re-boost your batteries is by connecting the **Grey Anderson plug** to your car and let it run for 15-20 minutes. Then you can start charging 240V charger by connecting the 240V to the caravan.

If this doesn't work you can simply charge your batteries by connecting another spare battery from outside using a jumper lead for about 2 – 3 minutes when the van is connected to the 240V.

4. If your caravan has got more than 1 battery, it's recommended for you to charge each battery individually to their maximum capacity if they have got fully flat before.

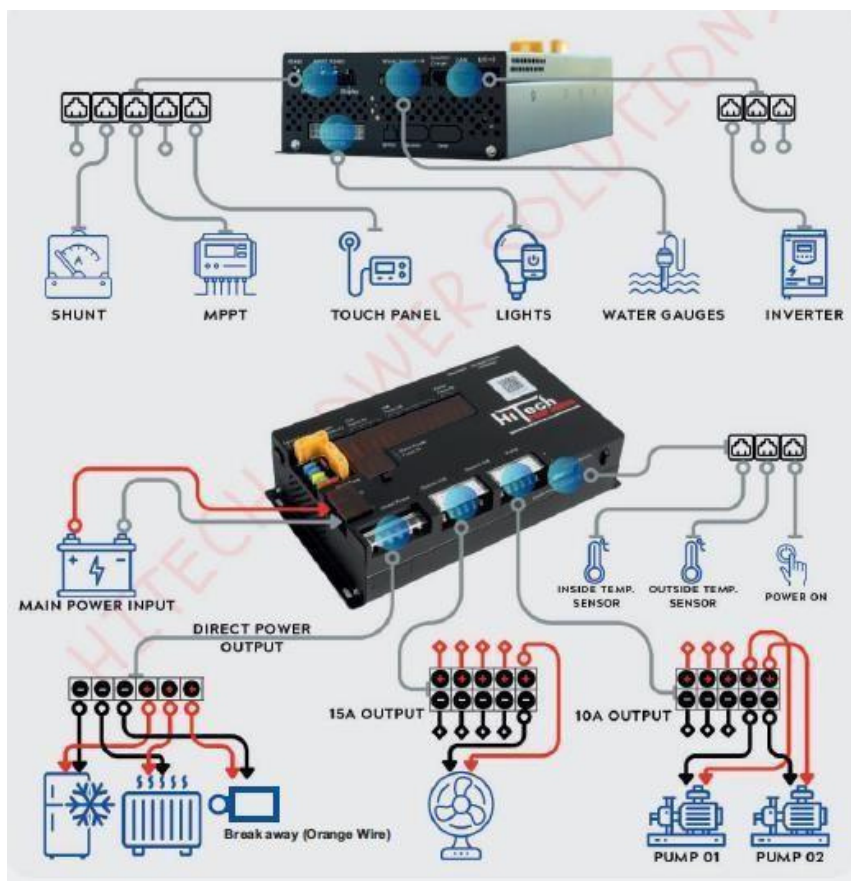
This is more important if you have got Lithium batteries. Charge your Lithium batteries up to their maximum before you connect them in parallel to each other.

* Please read the battery care page and always follow the standard battery care procedures to gain the maximum results from your batteries.



11. HITECH WIRELESS CONTROL MODULE

If your caravan is fitted with a HiTech wireless control module, the following diagram shows the basic connections.



- When one of the fuses blows, a red LED will light up below it.
- Keep the module free from dust and moisture.
- Do not block the module.
- Keep at least 150mm of clearance around it.



12. TV AND STEREO SYSTEM

Playing a movie through your stereo (DVD and USB)

Step 1

Turn on your TV and Stereo by pressing the red power button on your remote for your TV, and the power button located on the front of your stereo system.

Step 2

Makesure your TV is set to the correct program for playing movies. Press input until the TV display shows that you're on **HDMI2**.

Step 3

Once your TV is set to **HDMI2** you need to insert the DVD into the radio by opening it up with the button in the top right hand corner. Once the DVD is inserted into the radio the DVD picture should be being displayed on the TV and the sound for the DVD should be playing through your stereo speakers.



Input



Press to
insert a disc
into stereo



Insert a disc
from here



Use the small stereo and not your big TV remote to control DVD's playing on your TV (this includes pause, play, volume, fast forward and rewind).



Bluetooth:

Step 1

To use Bluetooth on your stereo system you need to press the volume button until the screen displays **BT**.

Step 2

Now you will need to go onto your device that you are trying to connect to. Go into your device's Bluetooth setting and click on the 'car stereo'.

Step 3

Once your device is paired to the stereo you can use either your devices controls or the controls on the stereo.



Using the auxiliary cord through the TV:

Step 1

To use the auxiliary cord to play Audio/Video through your TV and stereo system you will need to press the volume button on your stereo until 'AUX' is coming up on the display.

Step 2

Now plug your auxiliary cord into the stereo and use your stereo or stereo remote to control what is being played through the auxiliary cord.



Auxiliary
code input

Step 3

If you want to use the TV with this, then you will need to put it on the same HDMI2 settings that you would have it on to watch a DVD.



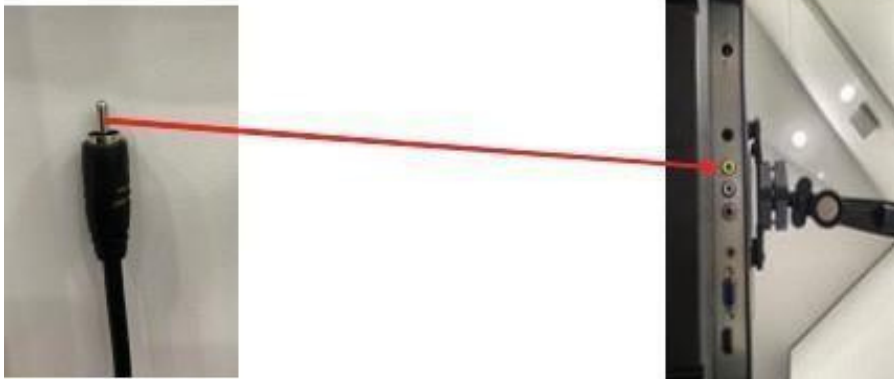


TV cables:

When you plug your cables into your TV, make sure that you plug all of them into the TV end first before you plug the TV's power supply into the socket in the cupboard otherwise there is a chance you could short it out. If this does happen it just means that fuse will need to be replaced (You can contact to us if you need help).

*The TVs that we install in our standard caravans usually come with a built in DVD and therefore you won't have to insert the below mentioned cable into the yellow port.

However, in case if your TV does not have a built in DVD, you need to plug this cord into the yellow input located underneath your TV for image.





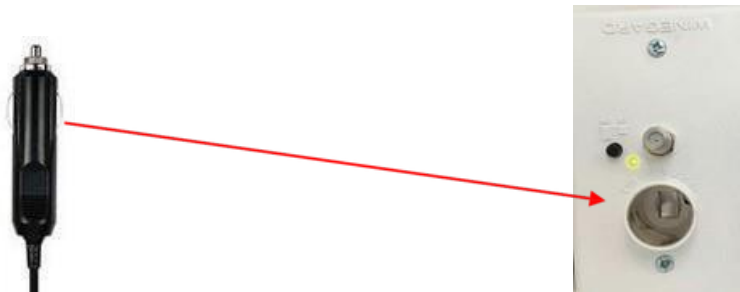
You need to plug the antenna cord into the input on the side of the TV that says RF IN. (This is for watching TV not for watching DVD's.)



You should now only have one cable left to be plugged into the TV. This cable will need to be plugged into the bottom of the TV.



Now that all of your cables are plugged into the TV you can plug the power cable into the socket in the electric's cupboard. Once you plug this in your TV should be good to go!





Fading (inside/outside speaker):

To change the speakers between inside and outside you need to press the large volume button on your stereo until the screen display FAD. The screen will either say FAD F or FAD R. To change in between R and F turn the knob either left or right depending on which one you want displayed.

FAD R- This is for your speakers inside the van. To make the speaker volume louder inside the van turn the volume knob to the left whilst FAD R is on display.



FAD F- This is for your speakers outside the van. To make the speaker volume louder outside the van turns the knob to the right whilst FAD F is on display.



* (Sometimes FAD R and FAD F may work in opposite way. Please make sure FAD R or FAD F is for which side)



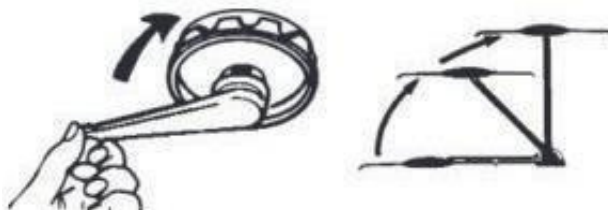
13. TV ANTENNA

Setting Up Your TV Antenna:

Step 1

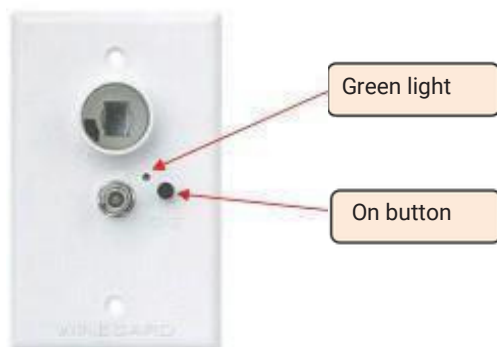
Turn the elevating crank clockwise in "up" direction about 13 turns or until some resistance to turning is noted.

RAISING ANTENNA TO OPERATING POSITION



Step 2

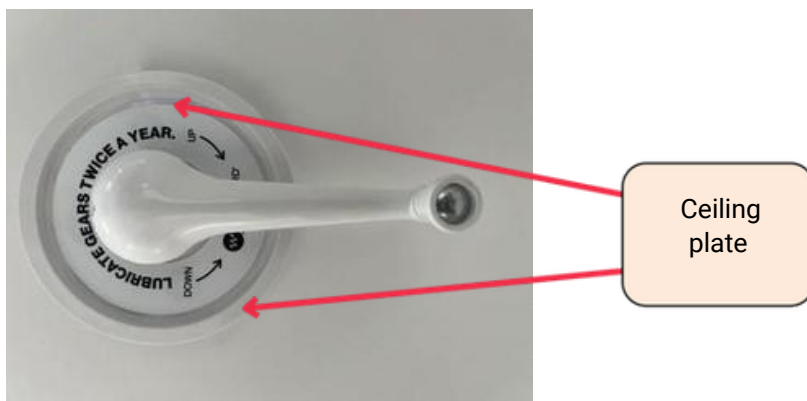
Turn on your antenna by pressing the small circular black button (**Tip:** if it is on there will be a small green light next to the button).





Step 3

Make sure the antenna is in the "up" position. Pull down with both hands to disengage the ceiling plate (**Tip**- check which direction other people have their antennas facing and face yours in the same direction). Turn the ceiling plate to rotate the antenna to the position you would like.

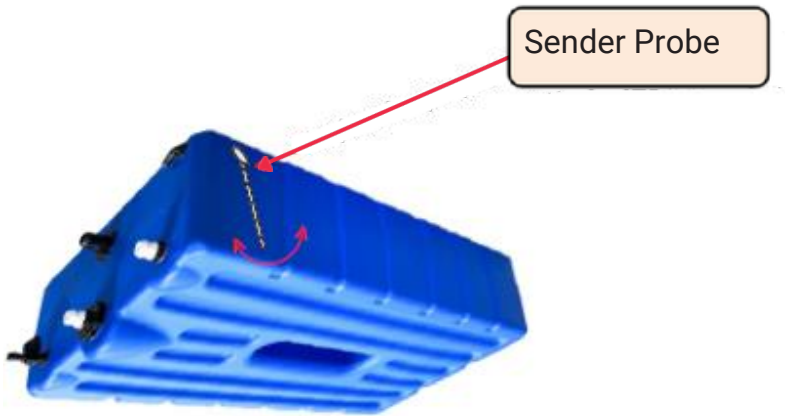


Packing Up Your Antenna

Rotate the antenna until the pointer on the directional handle aligns with the pointer on the ceiling plate. Turn elevating crank counter clockwise in the "down" direction about 13 turns or until some resistance is noted (**Tip**- you should be able to hear a little bump when it is completely down). It is now ready for travel.



14. SENSOR PROBE MAINTENANCE AND OPERATION



- **Standard Length:** All sensor probes are identical in length.
- **Fine-Tuning:** To achieve a more accurate reading, try turning the probe slightly to the left or right.
- **Grey Water Tanks:** Probes in grey water tanks may give inaccurate readings over time due to sludge build-up.
- **Cleaning Instructions:** If chemical cleaners do not resolve the issue, remove the probe from the tank, clean it manually, and reinstall it.

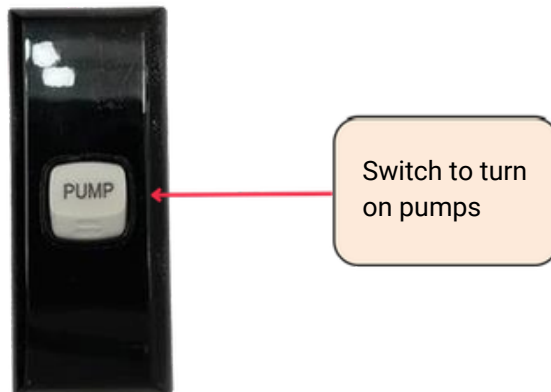


15. HOT WATER SYSTEM

Once you have arrived at your destination and your caravan's legs have been put down and the van has been leveled you might have to turn on your hot water system to allow it to heat up.

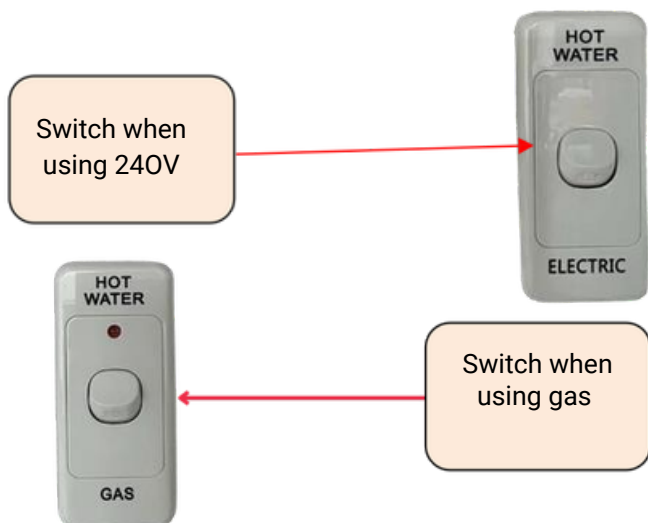
Before you turn your hot water system ON you need to make sure it has water in it.

To do this either connect your van to a hose or turn on the water pump. If you are using the tanks wait until the pump stops pumping before you switch on the hot water system.





If you are plugged into 240V turn on switch that says hot water/electric.



If you are not plugged into 240V turn on your gas.

When your hot water system is lighting the light will flash once your system is lit the light will stay on.

Hot water will take about 20-30 minutes to completely heat up.





16. THETFORD TOILET



Before use:

- Make sure to tighten the cap.

*The cap comes inside a packet and is placed in the toilet bowl

- Remove the waste holding tank through the service door.
- Place the waste holding tank upright and turn pour spout upright.
- Remove the cap from the pour spout.
- Check the dosage amount of the Thetford waste holding tank additive on additive package.
- Add to the stated dosage to the waste- holding tank. tank is covered.
- Add 3L of water to the waste holding tank to ensure the bottom of the Screw the cap back onto the pour out spout





Use of the toilet:

- To turn the toilet bowl, close the cover and use both hands to rotate the bowl to the desired position.
- To open the blade, move the blade handle from left to right (Always close the blade completely after use).
- To make sure your toilet is flushing properly Thetford recommends pressing the flush button multiple times when flushing.

Emptying your waste holding tank:

- Remove the waste holding tank.
- Pull out the pull handle until it is full extended.
- Pull the tank to an authorized waste disposal point.
- Place the waste holding tank upright and turn the pour spout upwards.
- Remove the cap from the pour spout.
- Press and hold the vent button with your thumb while the pour out spout is pointing downwards to empty the waste holding tank.
- Add 5L of water to the waste holding tank and replace the cap.





- Gently shake the tank to clean it. Empty the waste holding tank again.
 - Remove the float from the waste holding tank by turning it clockwise and rinse the float with tap water.
 - Push back the pull handle until it clicks back into place.
 - Slide the waste holding tank into the toilet and close the service hatch.
-
- To keep using the toilet repeat the above steps.



Emptying the flush water tank:

If you are planning on not using your toilet for a long period of time, then you need to:

- Place a sufficiently large bowl under the drain tube.
- Open the drain tube and catch the remaining water in the bowl.
- Empty the bowl at an authorized disposal point.

It is recommended that you fill the tank up with water and activate the control panel every three weeks. Press the waste pump-out system button to pump the water through the system.

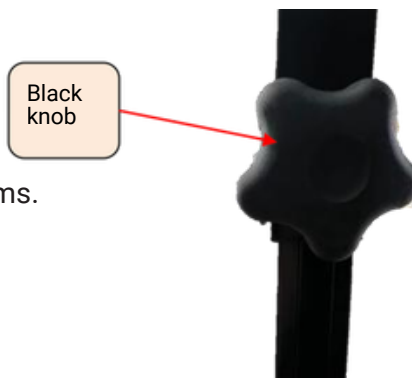


17. AWNING

Setting up your awning:

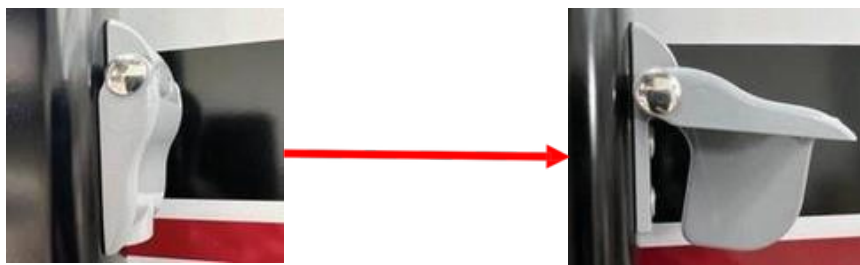
Step 1

Loosen the black knobs on both awning arms.



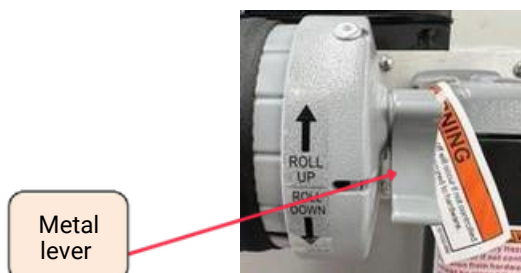
Step 2

Open grey clips on both awning arms.



Step 3

Use the metal rod provided to pull down on the small metal lever on the top right hand side of your awning.





Step 4

Using either the metal rod or your hand, grab onto the black step and pull your awning out to desired length or all the way out.

Step 5

Slide one raft arm up at a time by sliding them up the main arms until they click into place. Pull down and out on the rafting arms to remove slack from the fabric, and tighten the black knobs (from step one).

Rafter
arm



Step 6

Pull up on the lift handle to bring the awning to your desired height. push handle back down to lock the arm at desired height. repeat on both side.

Tips and tricks:

- Make sure your awning is on an angle so water can run off it.
- Put your awning away (in) when it is windy, or it will act as a sail for your van.





Turning your awning into a carport:

Lower your arms to the shortest position by using the handle from step 6 on the previous page.

Press the release lever and pull the arm away from the van into vertical position.

Adjust height and secure feet to the floor with pegs.



Release
Lever

Packing up your awning:

Step 1

Detach your awning legs from the ground, lower the arm back to the shortest position, swing the arm in towards the caravan and snap the foot back into the brackets. Repeat these steps for both legs.

Step 2

Raise the lift handle to release. Lower main arm to the stopper. Swing handle back down to lock it into place.

The manufacturers recommend that you retract the awnings every night and during extreme weather conditions.

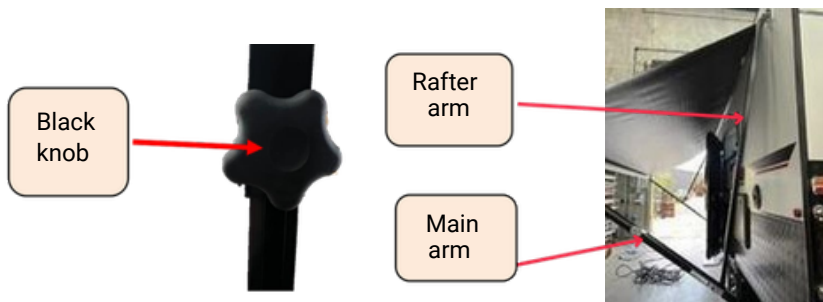


Lift
handle



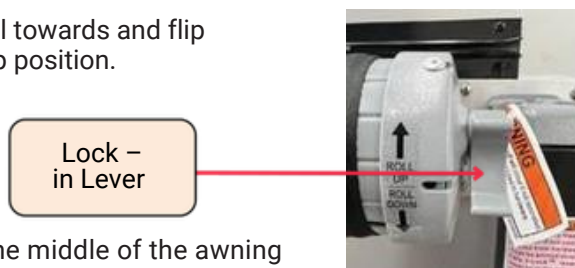
Step 3

Loosen the black knob and slide the rafter arm to the bottom of the main arm. Leave black knob loose and repeat on the other arm.



Step 4

Hold onto the black strap and pull towards and flip the locking lever up to the roll up position.



Step 5

Slide the black strap back into the middle of the awning and using it to control the speed, allow the awning to roll back up against the van.

Step 6

Tighten the black knobs and close the travelling latches





18. HYDRAULIC HAND JACK

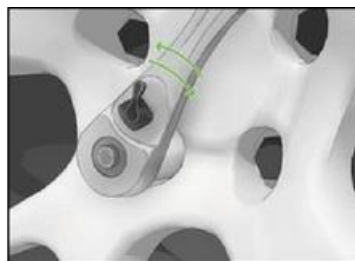
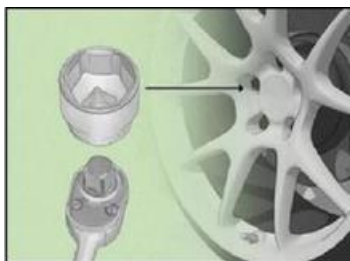
Operating instructions for your Hydraulic Hand Jack

Take out all the pieces of the Hydraulic Hand Jack and assemble it.



Step 1

Loosen the wheel nuts by putting together the ratchet and socket, now place the socket over the wheel nut and crank the ratchet. You will find the ratchet in your cars spare tire kit.



Step 2

Place the jack under the van at jacking point and jack up the van. You may need some solid timber blocks as spacers.



Jacking
point

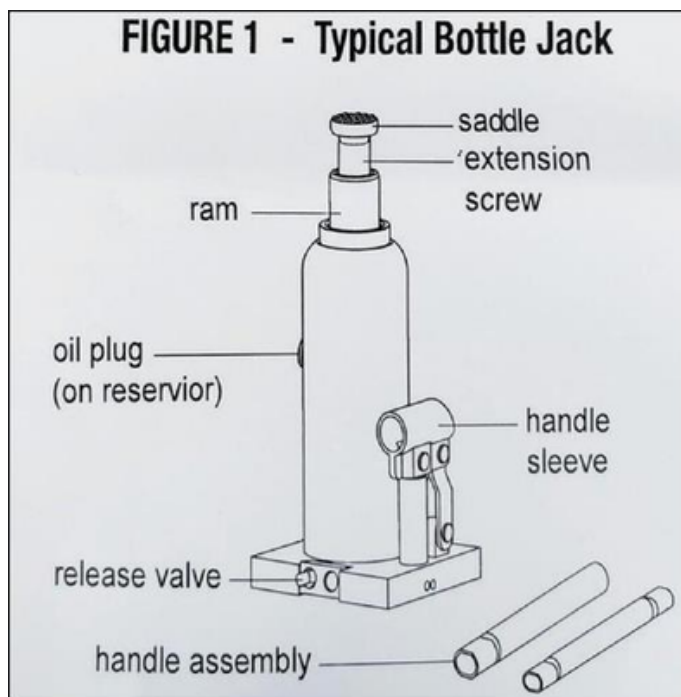




SAFE USAGE INSTRUCTIONS:

1. THE JACK SHOULD BE USED ON LEVEL FIRM GROUND WHERE EVER POSSIBLE.
2. IT IS RECOMMENDED THAT THE WHEELS OF THE VEHICLE BE CHOCKED AND NO PERSON SHOULD REMAIN IN A VEHICLE THAT IS BEING JACKED.
3. NO PERSON SHOULD PLACE ANY PORTION OF THEIR BODY UNDER A VEHICLE SUPPORTED BY A JACK.
4. VEHICLE OWNERS MANUAL SHOULD BE CONSULTED PRIOR TO THE JACKING OF THE VEHICLE.

WARNING: DO NOT GET UNDER A VEHICLE THAT IS SUPPORTED ONLY BY A JACK. USE VEHICLE SUPPORT STANDS





Make sure, Hydraulic Jack is stable and double check the saddle of the Hydraulic Jack is correctly positioned.

- Raise the load to the desired height and then transfer the load to jack stand or some other object that will adequately support the object being lifted.

Step 3

Take off your flat tyre and put on new tyre.

Step 4

Do up the wheel nuts firm but not tight.



Step 5

Lower the van back down by using the jacks lever to open the valve.

Step 6

Now do the wheel nuts up tight.

Step 7

Minimum and maximum tyre pressure may vary from caravan to caravan, use adequate tyre pressure recommend by the tyre manufacture for safety and better results.

The average tyre pressure for a tender Axle come for standard conditions – 55PSI to 65PSI.

The average tyre pressure for a single Axle come for standard condition – 65PSI to 70PSI



***Whenever wheels are removed and refitted, the wheel nut torque should be checked. Wheel nuts should be tightened to the torque specified by the wheel manufacturer - 140 N m (Newton meters) ***

**YOU ARE
READY TO
GO!!**





19. PLUMBING

A QUICK GUIDETOYOURCARAVAN'S PLUMBING

Following these steps will save you money, improve your caravanning experience and help prevent any nasty issues while enjoying our great country.

Phone: (03) 9357 5809



PLENTY RIVER
RV
CARAVAN PLUMBING

Every 6 Months

1. Please understand that as your caravan travels, the pipes move and vibrate too, so after your first time travelling check all gas joints and water joints. Pipes may need time to settle in.

- **FOR GAS**-turn gas bottle on, then spray soapy water on the joints. Continuous bubbles mean there's a leak.
- **FOR WATER**- turn 12V pump ON or connect mains water and proceed to check all water joints for leaking water. Remove the inspection covers such as the back of the shower tap to inspect pipes.

Every 12 Months

1. Change your hot water service anode if it has one.
2. Flush all fresh and grey water tanks.
3. Replace your internal drinking water filter cartridge if your caravan has one.
4. Remove and clean your tempering valve including its internal mesh.



General Advice:

1. Always turn 12V pump OFF when connected to mains water and when travelling.
2. Do not connect any drainage hose to your caravan with less than 35mm INTERNAL diameter and no more than 5m long.
3. Poor water quality is a big issue for caravans here in Australia - it is recommended that you have an in line water-filter on your garden hose to filter all the water going into your van; this helps to protect all taps, filters, hot water service and all other water fittings and components in your caravan.
4. When preparing for a trip, test all your plumbing and appliances before you hit the road.

When in Storage:

1. Before putting your caravan into storage, cover/seal all vents and pipes such as HWS vents, fridge vents, all open pipes, etc. to protect against wasp nests, spiders, and other wildlife that might see your nice caravan as a good home for themselves.
2. Turn 12V water pump off.
3. Release water pressure in pipes by turning a tap on.
4. Turn gas bottles off when not in use.
5. Turn off mains water, gas bottles, and 12V pump when away from your caravan
6. Charge your caravan batteries fully and turn the isolated switch off. (If there is an inverter in your caravan, you can disconnect one of the battery terminals for better results.
7. If your caravan water tanks fitted with electronic water gauges, "like HiTech wireless module" you better drain your water tanks before going to the storage.
8. Check condition of your caravan batteries at less every 4 weeks.





20. UPHOLSTERY

Fabric Care & Cleaning

Alcoholic beverages

Blot up the moisture then dab at the stain with a clean cloth dampened in rubbing alcohol. Then blot repeatedly with liquid detergent mixed with cool water. Blot dry with a towel. Dab again with clear cool water and blot dry.

Blood

Mix one teaspoon of ammonia in a cup of cold water and apply it sparingly to the spot. Blot with a clean towel. Repeat the procedure until the spot is gone. Then dab the area with cool water and blot.

Wait 15 minutes and moisten the area again with white distilled vinegar. Blot thoroughly with a dry towel.

Chenille yarn fabrics

Shampoo cleaning or hot-water extraction, taking care to restore the pile orientation in finishing, will produce a satisfactory result. Care must be taken not to undertake concentrated rubbing on a small area, which may produce irreversible disruption of the chenille fibre. It should be noted that even the simple act of wetting the fabric is likely to produce an appearance change even if the chenille fibre is not disrupted. This is largely due to flattening of the chenille fibre while it is wet and may result in a 'dappled' or 'mottled' surface. Warning: Some high pile viscose rayon chenilles, velvets and pocket weave jacquards may change in surface character if stain repellent treatments are applied. Extra care should be taken to pre-test for these fabrics.

Chewing gum

Rub an ice cube over the gum to harden it, then scrape off the excess with a dull knife. To remove what's left, use dry cleaning fluid.

Chocolate (and other soft candy)

This is a combination greasy/non-greasy stain. Scrape excess away, then go over the spot with cool water mixed with a liquid detergent. Blot thoroughly and then clean with dry cleaning fluid.

Coffee and tea

Sponge with warm water. Apply warm glycerine. Leave for 30 minutes. Flush out with water and dry quickly.

Cosmetics

Sponge with warm water. Apply warm glycerine. Leave for 30 minutes. Flush out with water and dry quickly.

Fruit and fruit juices

After excess is blotted up or scraped away, blot the spot with cool water. If a stain remains, add liquid detergent and a drop of vinegar to the water. Dab the spot with this mixture and blot until there's no trace of a stain. Then go over the area lightly with clear water to remove traces of vinegar.

Grease (including hair grease and oil)

Scrape away excess if necessary and then dab repeatedly at the stain with dry cleaning fluid. If any stain remains, go over the area with a lukewarm mixture of liquid detergent and water. Always make sure you use a clean portion so you don't put the stain back in the fabric. Last, go over the area with a clean cloth moistened with cool clear water.

Ice-cream

Scrape away excess and apply cool water mixed with liquid detergent, blotting frequently with a dry cloth so as not to saturate the fabric. Let dry and then go over any remaining stain with dry cleaning fluid. Blot dry.

Ink

Moisten with warm glycerine. Leave for 10 minutes. Apply liquid detergent and brush lightly. Flush out with water and dry quickly.

Iodine

Rub with cut lemon before sponging with warm water. Apply small quantity of detergent with clean cloth. Blot stain then remove soapy residue with cloth wrung out in warm water and white vinegar solution (1/3 vinegar to 2/3 water).

Milk and vomit

Blot or scrape away the excess, then take a clean soft cloth and blot. Apply clear cool water to the area, blotting frequently. Then blot with a detergent solution to which you've added a small amount of ammonia. Blot dry and wait a few minutes. Go over the area with dry cleaning fluid, blot dry. Finally, blot the area lightly with a cloth moistened with rubbing alcohol.

Professional cleaning frequency

This is determined by the furniture use, your own maintenance, upkeep and environmental conditions. As a good 'rule of thumb' overall cleaning is recommended every 12 months for most family room lounges.

Shoe polish

Apply liquid paraffin to loosen the stain, then sponge with dry cleaning fluid.

Soft drinks, sweets and syrups

Sponge with water, add warm glycerine and work into stain. Flush out with water and dry.

Spot cleaning

Treat spills and stains as soon as possible. Test on hidden area to ensure fabric and colour are not removed. Gently scrape any soil or mop any liquid from the surface of the fabric. Use of soap or detergent with water should be approached with caution since overzealous rinsing to remove soap residue may result in over-wetting, water marking and possible wetting of substructure (this may create other stains or damage products). Our spot cleaning advice is offered in good faith and should not be considered as a guarantee that all stains may be removed. For severe stains please consult a professional upholstery cleaning company.

1. For non oil-based stains

Use warm water and non toilet soaps which do not contain optical brighteners (consider Velvet soap, Lux Flakes, Softly). Mix a small amount of soap and warm water solution and apply to the stain, rubbing gently. Blot dry with a clean towel. Apply cool water (preferably rain or distilled water) and blot dry again. Then with a hair dryer working out from the centre of the stain, dry quickly to prevent rings forming. It is generally preferable to clean whole panels of fabric in this way rather than trying to spot clean specific areas.

2. For oil-based stains

Following the same basic guidelines as above, apply a proprietary brand solvent based cleaner and try to clean generally in panels rather than spot cleaning specific areas. A helpful industry 'secret' for spot removal of oil based biro marks is by the application of a conventional hair spray.

Urine

It is especially important to treat this stain right away, before the urine dries. Otherwise, the urine may react with the fabric dyes and cause permanent discolouration. First, dab at the stain with a solution of white vinegar and water and blot dry. Then apply a mixture of liquid detergent and cool water, blotting frequently and with a dry cloth to avoid saturating the fabric. Finally, dab the spot with clear cool water and blot thoroughly.





Care Label 1U - Pile Fabrics: Chenille and Velvets

Regular Care (weekly): Protect from direct sunlight. Keep away from direct heat sources. Vacuum regularly using low suction. Rotate reversible cushions regularly.

Cleaning: Do not remove cushion covers for separate cleaning or washing, even though they may have zippers. Professional cleaning recommended. Shampoo clean using upholstery shampoo. Do not use dishwashing or laundry detergents. Do not wet filling. Do not scrub with stiff brush. Dry in shade away from direct heat. Allow to dry thoroughly before re-use. **OR** Clean with hot water extraction machine (HOT). Use only upholstery detergent. Do not wet filling. Dry in shade away from direct heat. Allow to dry thoroughly before re-use. **OR** Clean using on-site dry cleaning machine ©. Do not wet filling with solvent. Exhaust solvent outside building. Allow to dry before re-use.

Spot Cleaning: Treat spills and stains as soon as possible. Gently scrape any soil or mop any liquid from the surface of the fabric. Apply proprietary cleaning agents strictly according to instructions to remove the residue of the spill. Do not saturate the fabric or interior with water or other cleaning liquids. May be spot cleaned with dry cleaning solvent. Annual professional cleaning recommended.

Pilling: Can occur occasionally from normal daily wear depending on environment, humidity etc. Pills can also be transferred from certain clothing types. Fibre pills should not be considered as a fault and can be removed by a pilling tool available from most soft furnishing suppliers.

Dye transfer from blue jeans and other items of clothing can stain the surface of light coloured fabrics. Treat all stains promptly as per Spot Cleaning instructions. If dye stain is allowed to penetrate the surface, it may be impossible to remove.

Care Label 3U - Non Pile Fabrics: Flat Woven and Jacquards

Regular Care (weekly): Protect from direct sunlight. Keep away from direct heat sources. Vacuum regularly using low suction. Rotate reversible cushions regularly.

Cleaning: Do not remove cushion covers for separate cleaning or washing, even though they may have zippers. Professional cleaning recommended. Shampoo clean using upholstery shampoo. Do not use dishwashing or laundry detergents. Do not wet filling. Do not scrub with stiff brush. Gently vacuum to restore pile. Dry in shade away from direct heat. Allow to dry thoroughly before re-use. **OR** Clean with hot water extraction machine (HOT). Use only upholstery detergent. Do not wet filling. Gently vacuum to restore pile. Dry in shade away from direct heat. Allow to dry thoroughly before re-use. **OR** Clean using on-site dry cleaning machine ©. Do not wet filling with solvent. Exhaust solvent outside building. Allow to dry before re-use.

Spot Cleaning: Treat spills and stains as soon as possible. Gently scrape any soil or mop any liquid from the surface of the fabric. Apply proprietary cleaning agents strictly according to instructions to remove the residue of the spill. Do not saturate the fabric or interior with water or other cleaning liquids. May be spot cleaned with dry cleaning solvent. Annual professional cleaning recommended.

Pilling: Can occur occasionally from normal daily wear depending on environment, humidity etc. Pills can also be transferred from certain clothing types. Fibre pills should not be considered as a fault and can be removed by a pilling tool available from most soft furnishing suppliers.

Dye transfer from blue jeans and other items of clothing can stain the surface of light coloured fabrics. Treat all stains promptly as per Spot Cleaning instructions. If dye stain is allowed to penetrate the surface, it may be impossible to remove.





Care Label 4U - Non Pile Fabric Soil Resistant Treated

Regular Care (weekly): Protect from direct sunlight. Vacuum regularly using low suction. Rotate reversible cushions regularly.

Cleaning: Do not remove cushion covers for separate cleaning or washing even though they may have zippers. Professional cleaning recommended. Clean with hot water extraction machine (HOT). Do not wet filling. Dry in shade away from direct heat. Allow to dry thoroughly before re-use. **OR** Clean using on-site dry cleaning machine ©. Do not wet filling with solvent. Exhaust solvent outside building. Allow to dry before re-use. Re-application of soil-resist treatment may be necessary.

Spot Cleaning: Treat spills and stains as soon as possible. Gently scrape any soil or mop any liquid from the surface of the fabric. Apply proprietary cleaning agents strictly according to instructions to remove the residue of the spill. Do not saturate the fabric or interior with water or other cleaning liquids. May be spot cleaned with dry cleaning solvent. Annual professional cleaning recommended.

Warning: This fabric has been treated with a soil resistant finish. Additional applications of stain repellent treatments may affect the performance of pre-treated fabrics. Please test on an inconspicuous area before applying. Do not apply a further treatment until necessary.

Pilling: Can occur occasionally from normal daily wear depending on environment, humidity etc. Pills can also be transferred from certain clothing types. Fibre pills should not be considered as a fault and can be removed by a pilling tool available from most soft furnishing suppliers.

Dye transfer from blue jeans and other items of clothing can stain the surface of light coloured fabrics. Treat all stains promptly as per Spot Cleaning instructions. If dye stain is allowed to penetrate the surface, it may be impossible to remove.

Care Label Zest Vinyl (PVC) - Bleach Cleanable

Regular Care: Protect from direct sunlight. Keep at a minimum of 30cm away from direct heat source. Routinely vacuum (weekly) using low suction soft brush attachment.

Cleaning: To clean, wipe with a clean colourfast cloth dampened with mild soap and clean water. To remove residual cleaning product, wipe with a clean cloth dampened with water. Do not wet excessively. Dry in shade away from direct heat. A soft bristle brush may be used to remove ingrained soil. Avoid scratching by gentle brushing. Do not use abrasive powder or paste cleaners. Do not clean with hot water extraction or dry cleaning machine.

Spot Cleaning: Treat spills and stains as soon as possible. Gently scrape any soil or mop any liquid from the surface. Use a 50:50 solution of Methylated Spirits and water. Pre-test cleanability on inconspicuous area. Rub the affected area gently and follow with warm soapy water to remove residue.

Bleach Cleaning / Disinfection: Mix 5% of Household Bleach with 95% water. Pre-test cleanability on inconspicuous area. Gently rub to clean the affected area. Within ten minutes, rinse and wipe with a clean damp cloth to remove residues and repeat to ensure all excess Bleach is removed.

Warning: Make sure to wear gloves when handling Bleach. Never put pure Bleach onto vinyl furniture as this will cause damage. Do not use concentrated detergents, silicon or petroleum based cleaners.

Dye transfer from blue jeans and other items of clothing can stain the surface of light coloured vinyls. Treat all stains promptly as per Spot Cleaning instructions. If dye stain is allowed to penetrate the vinyl, it may be impossible to remove.





Care Label Vinyl (PVC)

Regular Care: Protect from direct sunlight. Keep at a minimum of 30cm away from direct heat source. Routinely vacuum (weekly) using low suction soft brush attachment.

Cleaning: To clean, wipe with a clean colourfast cloth dampened with mild soap and clean water. To remove residual cleaning product, wipe with a clean cloth dampened with water. Do not wet excessively. Dry in shade away from direct heat. A soft bristle brush may be used to remove ingrained soil. Avoid scratching by gentle brushing. Do not use abrasive powder or paste cleaners. Do not clean with hot water extraction or dry cleaning machine.

Spot Cleaning: Treat spills and stains as soon as possible. Gently scrape any soil or mop any liquid from the surface. Use a 50:50 solution of Methylated Spirits and water. Pre-test cleanability on inconspicuous area. Rub the affected area gently and follow with warm soapy water to remove residue.

Warning: Do not use concentrated detergents, silicon or petroleum based cleaners.

Dye transfer from blue jeans and other items of clothing can stain the surface of light coloured vinyls. Treat all stains promptly as per Spot Cleaning instructions. If dye stain is allowed to penetrate the vinyl, it may be impossible to remove.

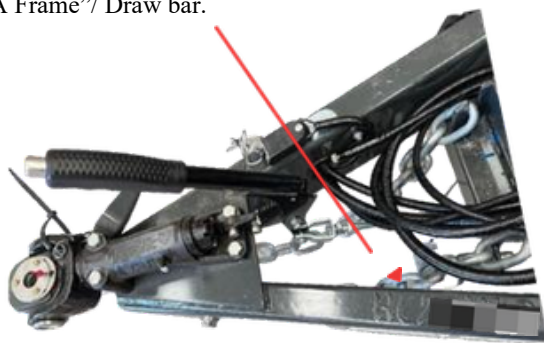
For persistent marks seek professional advice.





IMPORTANT

- Please note that this user manual has been designed to help Hilltop Caravan customers, and instructions given are for standard Hilltop caravans.
- Make sure you read all the manuals of the vital electronics and other components of your caravan before operating.
- If your caravan has got any extra modifications, please note that some of the instructions in this manual may not be applicable.
- If you have any enquiry regarding your caravan, you can contact Hilltop Caravans on 0383135010 or email us no – info@hilltopcaravans.com.au.
- Please make sure you have the caravan Chassis Number with you before you contact us. Chassis number is on the “A Frame”/ Draw bar.



If you need instructions in detail, please refer to user instruction manual of each product.

You can find user instruction manual of the product in the box where all paperwork of the caravan is placed.

Please note that, Hilltop Caravans may change this user manual time to time. You can visit the Hilltop Caravans website for more details.

Don't forget to get your caravan washed and waxed at least every six months. (Don't let the shine go away from external surfaces).

Don't forget to get your caravan serviced at least every 12 months or after every 18000 kilometers.



21. SERVICE CHECK LIST OF HILLTOP CARAVANS

1. Bearings - check & grease / replace seals.
2. Brakes - check & adjust.
3. Tyres - check Wheel Nuts (140NM), Tyre Pressure (45PSI), Tyre Ware.
4. Gas - test system for leaks.
5. External lights - test all.
6. Chassis & draw bar - check Hitch, Chains, Break away Switch, Gas Bottle Holders & Other fittings on Draw Bar.
7. Bumper Bar - check Nuts, Spare & Wheel Brackets, Other Fixtures on Bumper Bar.
8. General inspection under caravan.
9. General inspection on of Front, Back and Roof of the caravan - Check Silicon lines and Seals against water leaks.
10. Check locks & hinges - lubricate if required.
11. Change smoke alarm battery.
12. Hot Water Service - Change Anode if needed, Check fittings against water leaks.
13. Battery - Check Charging System.
14. Fridge - Check the working status.
15. Heater - Check the working status.
16. Hot water service - Check the working status.
17. Stove - Check the working status (Check Inside component every 2-3 years according to the manufactures recommendations).
18. Pressure pump - Check the working status.
19. Air conditioner - Clean air conditioner filters.
20. Windows and hatches - Check Seals and Locks.
21. Fire extinguisher - Check Date of Expiry.
22. Awning - Check Arms, Awning support and Mat.
23. Stabilizer legs - Check the working status.
24. TV & Radio - Check the working status.
25. Toilet and canister - Check the working status.
26. Washing machine - Check the working status.
27. Microwave - Check the working status.
28. Internal lights - Check all Internal Lights.
29. Doors & Drawers - Check all the locks and re align if needed.
30. Sliding Door - Check the Screws of Sliding Door.
31. Shower - Check the Shower and Sealing around the Shower.
32. Solar Panels - Clean and Check against damages.
33. Electrical cabinets are free from dust and check all electrical connections and fuses time to time. Check 240V Input and 240V RCD.
34. Check break away switch on 'A' frame periodically.

*Please make sure that you keep records of your Caravan History.

*You can get your caravan service at any reputed caravan service center in Australia & New Zealand.

*Re-sealing the whole caravan every 4 to 5 years is highly recommended.





22. IMPORTANT CONTACT DETAILS

Supplier	Telephone Number
Alko	039 767 3700
Battery Stop	039 357 2003
Camec	039 799 6455
CM Mouldings	039 357 7501
Coast to Coast	039 930 0500
Destination RV	039 357 7882
Dometic	039 239 1041
Dorset Australia	1300 123 700
Enerdrive	073 390 6900
Expressform	039 305 6388
FP Chassis	039 357 6115
NCE	039 308 7444
NBC Products (Shower Door)	039 305 2664
Plenty River Plumbing	039 357 5809
Ranger RV	039 357 6440
Safety Dave	039 555 7585
Swift	039 359 3068
Fab	040 902 5122
TopForm	039 462 6666
Thetford	039 358 0700
Urban Republic	039 357 0934
White Vision	039 544 0144
Webasto	028 536 4800



23. HILLTOP WARRANTY POLICY

Hilltop Caravans Pty Ltd warrants the original purchaser that for a period of 12 months

From the purchase date the manufacture and assembly of the caravan carried out by Hilltop Caravans will be free from defects in workmanship.

This warranty applies to the original purchaser and is not transferable to a subsequent customer if the caravan is sold by the original purchaser in the warranty period.

If a defect related to the manufacture and/or assembly of the caravan appears during the warranty period and Hilltop Caravans finds the caravan to be defective, Hilltop Caravans will in its sole discretion, either

(a) Replace or repair the caravan or defective part of the caravan free of charge, OR

(b) Authorize the caravan or defective part of the caravan to be replaced or repaired by a qualified repairer free of charge.

If a fault covered by this warranty occurs, the customer must first contact Hilltop Caravans. Hilltop Caravans will then, either agree to repair the defects at their factory or will authorize, in writing for a qualified repairer to carry out the work.

Any repairs/replacements which are carried out without/prior to written authorization from Hilltop Caravans will immediately void this warranty and the customer will not be reimbursed by Hilltop Caravans for these works.

Any warranty claim must be accompanied by;

(a) Proof of purchase

(c) Appropriate documentation if applicable

(b) Full details of the alleged defects as well as supporting photos if applicable

The customer must make the Caravan available to Hilltop Caravans or its authorized repairer for inspection and testing. If the inspection and testing finds no defect in the caravan which is covered by this warranty, the customer will be responsible for the costs of service work, evaluation and testing.

The customer must bear the cost of the transport of the caravan to and from Hilltop Caravans or the authorized repair agent to make the warranty claim.





This warranty does not apply to the followings:

Chassis, brakes, tyres and appliances which are not manufactured by Hilltop Caravans.

*Please contact the relevant manufacturer as they may provide their own warranty. All warranties relating to appliances which have been provided to Hilltop Caravans Pty Ltd will be provided to the customer with the caravan.

Any defect resulting from overloading, extreme off road damage to off road models, normal wear and tear (including impact and stone damage), immersion of the caravan in water, misuse, negligence, accident or other defect caused beyond the direct control of Hilltop Caravans.

Any defect resulting from the installation of any accessories or options after the caravan has left the premises of Hilltop Caravans.

Any defect arisen due to the customer/user' failure to properly use and maintain the caravan in accordance with any of Hilltop Caravans' or Dealers' instructions and recommendations.

Any consequential damages or repair work necessitated due to continued usage or towing after a defect has, or should have become apparent to the purchaser or user.

Any liability for consequential loss, such as but not limited to inconvenience, loss of use of your caravan, loss of time, disrupted travel plans, expenses for accommodation, petrol, telephone, loss or damage to personal property, loss of earning or rent are expressly excluded.

Deterioration/exposure to the elements or damage due to natural causes. goods fail to be of acceptable quality and the failure does not amount to a major failure"

This warranty will not apply where:

Hilltop Caravans is not notified of an existing or alleged defect during the warranty period. The caravan has been or is being used for rental hire or commercial use. The caravan has been altered, modified or repaired by someone other than Hilltop Caravans or authorized repairer.

The alleged defect is within standard industry variances.

"Your goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure"





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SUNCOAST CARAVAN

Date Trip		Purpose of the trip & length of stay	Kilometer s travelled	Date of entry	Name of the person making the entry
Began	Ended				