

YOUR INSTALLATION INSTRUCTIONS

T5/T6 FLAT PACK FURNITURE



STOP & READ

Please ensure you briefly read over this instruction manual before attempting to assemble and fit your units. Once you have an understanding of the process, please read and follow each page step by step, failure to do this can result in mistakes and the process taking much longer.

Please note, some pictures contain our Deluxe furniture range, however all principles of the instructions remain the same. If you have the T5/6 slim line variant kit, these instructions may differ slightly to your furniture however the principles are the same the kit is simply in a slim form. Please see next slide for Low level variants

These instructions have been broken down into two manuals, the first phase is the construction of the furniture, the second is the 'Plug & Play' electrical and appliance installation. Please ensure you follow in order.



LOW LEVEL KITS

The Low-level kit has been designed from the standard kit, and therefore in design principle the same. The differences include no upper rear wardrobe, a two-piece worktop and a two-piece top locker.

When fitting, if you have the protruding OS front vanshades pod, you may need to trim out the worktop to suit, allowing the units to sit flush to the van side.

Unlike the standard kits the oak veneered splashback and top lockers are separate and not integrated into the kit. Firstly, seat the splashback onto the worktop surface and secure, then you can fit the top lockers, the end panels may need scribing to the pitch of the roof. Please note, the tapered locker situates at the rear,.



THE PROCESS

Read instructions and Assemble Electrics prepare work space and tools Fit Prep work such as Oil the edges and hanging doors and oak worktop fitting handles



VIDEO TUTORIAL

Please find link below to a build video tutorial. We recommend you read these instructions in full and watch this video before attempting to build.

HTTPS://WWW.YOUTUBE.COM/WATCH?V=3LMDAIP7EUK&T=1201S

IF YOU HAVE ANY ISSUES WITH YOUR KIT, PLEASE ENSURE YOU WATCH THIS VIDEO AND READ THE INSTRUCTION BEFORE CONTACTING US ON <u>SUPPORT@COOLWHIPCAMPERS.COM</u>.

PLEASE INCLUDE YOUR ORDER NUMBER AND PICTURES

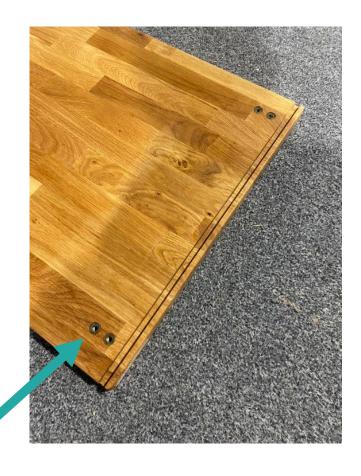




THE AVERAGE TIME TO PREPARE, BUILD AND FIT THIS INTERIOR IS 3 DAYS. WE ADVISE YOU ALLOW AT LEAST THIS TIME AND DO NOT RUSH THE PROCESS



OAK TABLES



If you have an oak table you must screw the 4 x threaded inserts into the holes as per picture before oiling the table.

The oil softens the oak and won't allow for a bite on the inserts



OILING/ WAXING

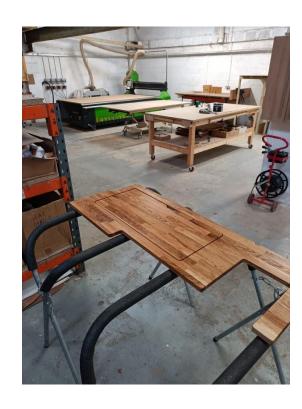
It is important to treat the edges of your ply and Oak products. Failure to do this can result in bowing and delamination due to moisture ingress. You can apply an oil, a varnish or wax. We recommend Osmo topoil, there are a few shades of colour available. The oil also passes health and hygiene standards for worktops and works well on the ply edges.

NEVER USE FLAMMABLE LIQUIDS TO TREAT THE WORKTOP WHEN INSTALLING GAS

Treating your edges also makes for a beautify finish



WORK TOP OILING



Oil the Worktop, ensure to cover every exposed edge



Allow to dry and apply another coat



OILING OPTION 1

Quick tip – sand down all edges before oiling for a cleaner finish





Apply oil to the edge of every piece of furniture, allow the correct drying time, clean oil off the laminate face as you go.



OILING OPTION 2



Build the full kit and oil only the visible edges



BEES WAX



Oiling your edges and oak worktop will add a rich colour and offer some protection, however to fully seal we recommend using beeswax, especially on oak tables, fully sealing will prevent any moisture ingress and prevent bowing.



STOP & READ

ENSURE YOU ONLY USE THE SMALL **16MM SCREWS** PROVIDED, OR SCREWS THAT COME WITH HARDWARE SUCH AS DRAWERS AND HINGES UNLESS STATED OTHERWISE

WHEN USING 25MM SCREWS PILOT DRILL FIRST AND NEVER
COUNTER SINK

FAILURE TO DO THE ABOVE CAN RESULT IN SCREWING THROUGH THE OUTER SIDE OF THE MATERIAL

A GOOD WORKBENCH IS ADVISED FOR ALL FOLLOWING PREP WORK



HANGING DOORS



TOOLS

- Drill Driver
- Stanley knife
- Cross head Screw driver





HINGES

A3	Overlay
B3	Inset
B4	Parallel
C2	Parallel
C3	Parallel
C6	Parallel
C7	Parallel
D7	Parallel
E2	Small arm Parallel
E3	Small arm Parallel
E4	Parallel
Worktop flap	Parallel



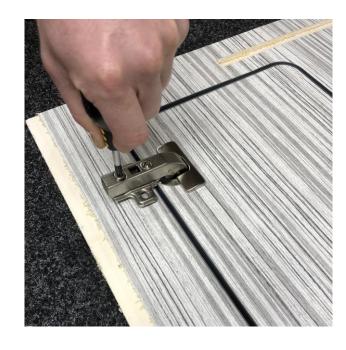
HINGES



Fix the hinges to the door only using 15mm screws and the pilot holes provided



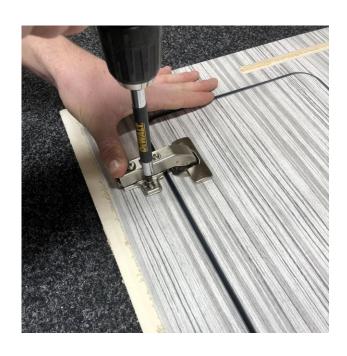
If your hinges have the cover plates clip them on



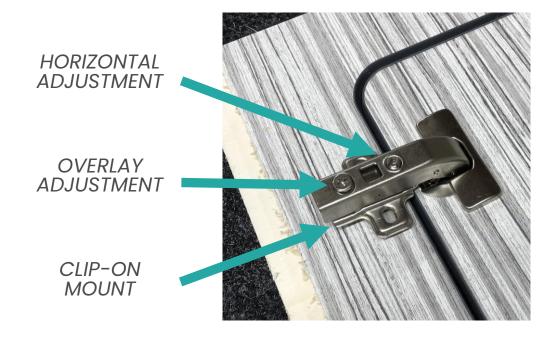
Turn the adjustment all the way to the rear before fixing to the aperture



HINGES



Remove Euro screws (if necessary) and replace with 15mm screws to fit the plate to the aperture



Once both hinges are fitted, adjust the door to fit flush with equal spacing



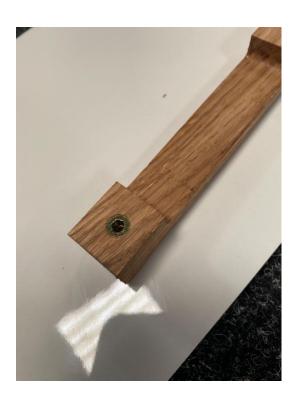
HANGING DOORS

CHECK & MAKE SURE...

The doors sit flush and open and close correctly



OAK HANDLES



Fit the handles using the 25mm bolts



Align the holes with the pre-drilled holes on the doors and tighten

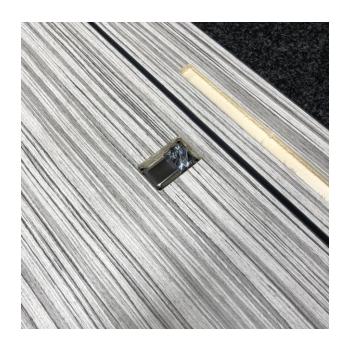




FLUSH HANDLES



Place the correct door into the correct aperture ensuring the door is orientated correctly



Place the handle catch into the hole



Using 16mm screws, fix the back of the catch into place ensuring the catch is straight



SOFT CLOSE DRAWER ASSEMBLY





SOFT CLOSE DRAWER ASSEMBLY



Attach the mounting clips



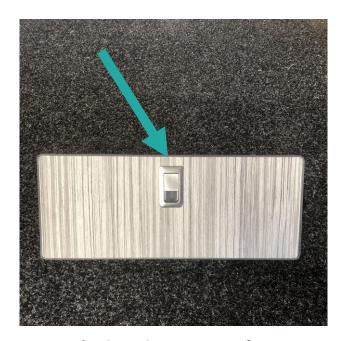
Fit the drawer rear A6 using 15mm screws



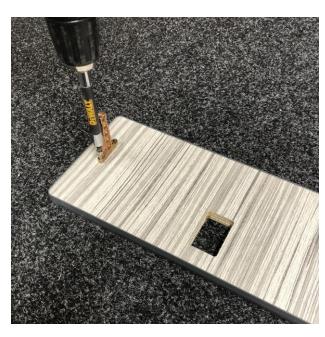
Fit the drawer base A5 using 15 mm screws, ensure the base is flush to avoid gaps



SOFT CLOSE DRAWER ASSEMBLY



Fit the drawer A4 face catch or oak handle



Screw the drawer face A4 mounts into the pilot holes with the 4 x large head screws provided with the drawer box



Clip the face into the side runners



DRAWER RUNNERS



Fit the runners to A1 using the pilot holes provided, ensure you have the correct runner on each side. Repeat on A2





FLOOR ASSEMBLY



Screw the floor base F1 and F2 together with the fixing plates using 15mm screws



WARDROBE ASSEMBLY



TOOLS

- Drill Driver
- Mallet
- Stanley knife
- Sand paper
- Cross head Screw driver
- Tape Measure
- Set Square





WARDROBE ASSEMBLY

OVERVIEW

The wardrobe (serial C) is the most time-consuming part of assembly
It's important you follow each step in order of instruction
Use 15mm screws unless directed otherwise
We recommend two people
You will need a large clean flat surface
Pilot drill 25mm screws and do not counter sink



WARDROBE ASSEMBLY



Firstly, stick the wardrobe LED into the profile and re attach the cover case (only included in the Plug and Play)





Fix the wardrobe bottom shelf support C11 to the underside of the shelf C10 using 25mm screws, this will seat the battery access flap

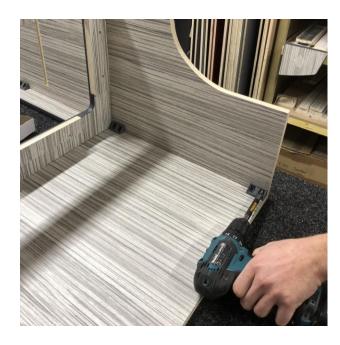




Place the wardrobe face down



Slot the bottom shelf C10, divider C8 and lid shelf C9 into the rebates. DO NOT SCREW



Fit the wardrobe upright (L) C4 first, start from the base working up to the top using the blocks and pilot holes

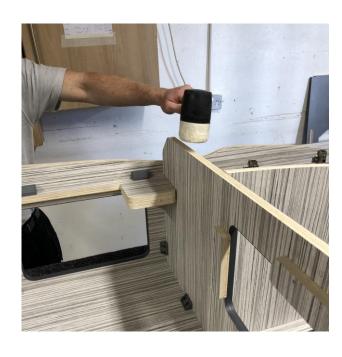




Fit the wardrobe upright (R) C5 start from the base working up using chock blocks and pilot holes



Ensure piece sit together nicely



Ensure the bottom shelf C10 is seated correctly before fixing



WARDROBE ASSEMBLY



Screw the bottom shelf C10 using the blocks and pilot holes provided, ensure the joins are tight and flush

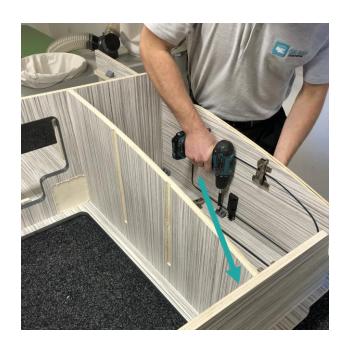




Screw through the bottom shelf C10 into the divider C8 using a 25mm screw*



Fit the lid shelf C9 to the upright (R) C5. Ensure the joins are tight and flush



Secure top of divider C8 with a block





Repeat the process with the left upright C4



Now screw the lid shelf C9 to the face.
Please note, your blocks may be
underneath



The next stages see the units finally coming together, place the base into the centre and front of the van, then continue onto the next slide.

For the purpose of these instructions and taking relevant pictures, we have continued to build outside the van



WARDROBE ASSEMBLY



Stand the wardrobe up and click into the floor rear F2, ensure the base is forward in the van to avoid the cupboard hitting the boot lip



Fix the wardrobe to the floor using 15mm screws, and pilot holes provided



Continue



WARDROBE ASSEMBLY



Screw the tambour door wheel (R) C17 to the bottom shelf using 25mm screws



Repeat the process with the opposite wheel C18 on the lid shelf

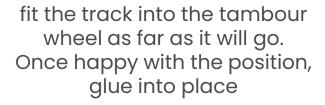


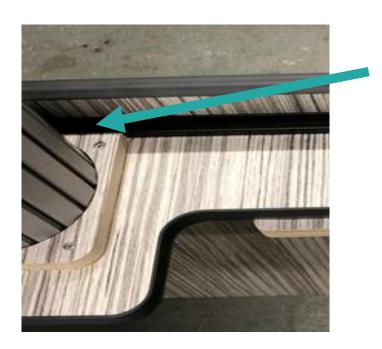
Insert the tambour door into the wheel runners from the rear



WARDROBE ASSEMBLY







Repeat the process for the top track

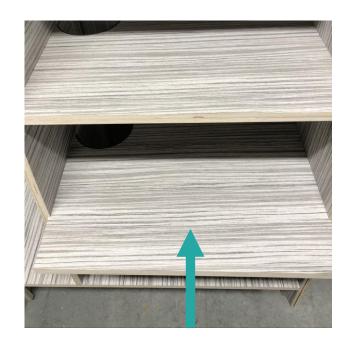




Screw the Tambour housing together C15/ C16 and slide into position with the finger gap at the front

(Slimline gap = top)

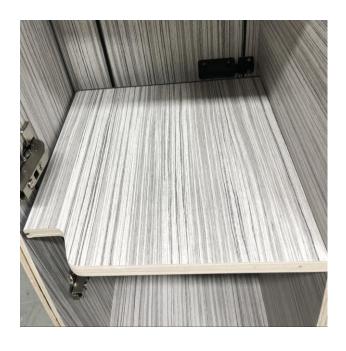
WARDROBE ASSEMBLY



Fit the wardrobe C12 and C13 shelves by sliding into the rebates and fixing with chock blocks underneath



Fit the blocks for the Wardrobe rear shelf



Fit the Wardrobe rear shelf C14 flush with the rear



WARDROBE ASSEMBLY



Finally slide the cubby hole insert into place





Fit the Kitchen unit face B1 from the rear



Ensure the face is flush with the wardrobe



Fit the shelf blocks to C4





Fit fridge pod (R) A2 from behind, if you have the new twin door design, fit with chock block at the top using the pilot holes





Fit the Kitchen unit shelf B2





Fit blocks to the flap divider B5 and fit to shelf using the rebate



Now fit the rear support B6, be sure to have it the correct way

Not applicable on the twin sliding vans



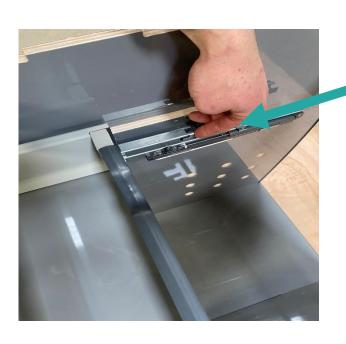


Now fit the fridge pod upright (L) A1 and click and screw rear support into place





Above drawer piece not applicable in premium design



Fit the drawer to the runners, there is an audio click when the runners are pushed in correctly



Adjust the drawer to fit perfect, ensure both fridge pods are equally 30mm from the base front



Please see drawer box manual for more information on how to align the drawer, remove from runners and any other information you may require.

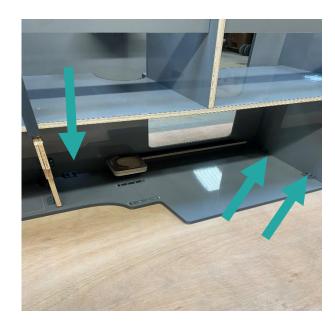


Fit the fridge door A3 using overlay hinges



Fit the left under sink door B3 using inset hinges





Continue to screw the units to the floor



Fit the fridge upright (L) A1 to the floor using small L brackets on the inside of the aperture, do not use blocks as they obstruct with the fridge





Fit the right-side table storage holder to the outside front of your fridge pod (L) A1 with 16 mm screws

(Optional placement)

TABLE STOWAGE



Offer the table in and fit the left side storage holder, ensure it's not too tight



Now fit the stowage clips using 30mm screws, the front one alone is sufficient, you will also find it easier removing the table when fitted



REAL OAK

STOP!

Before screwing through any solid oak please ensure you pilot drill first, failure to do this may result in The oak splitting



WORK TOP



This template will house the sink/ grill and allow for the cut out to sit on top flush.

Fit the grill seating template to the underside of the worktop. Align the template with the market out area.

Dress the straight side of the template with the worktop front with the ply smooth side up. Screw into position around the perimeter using 30mm screws, roughly every 150mm apart and 10mm from the edge. Ensure to pilot drill.

Straight side = Front of worktop



WORK TOP



Using the alignment rebates, drop the worktop into place.
Start by offering the right of the worktop into the wardrobe rebate, then simply find the rebates and seat correctly. Do not forget to fix down with blocks and 16mm screws





Before fitting the top locker and splashback, if you have a low fitting pop top such as the 'High-low roof' this is a good time to dry fit your units, because you may need to trim the top of the left fridge pod to fit.

The way the units are designed allows you to trim accordingly, thus allowing you to position the locker in a lower position. Please note, pilot holes both sides will then be obsolete.

This is a lightweight top locker, do not overfill

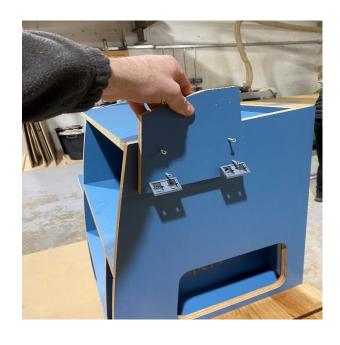




Screw the two top locker dividers D2 and D3 together



Fit the top locker hinges to the doors D7 and attach to the base D1, then fit the dividers into the rebate



Screw the top locker end panel D4 to the wardrobe, using the line to position correctly

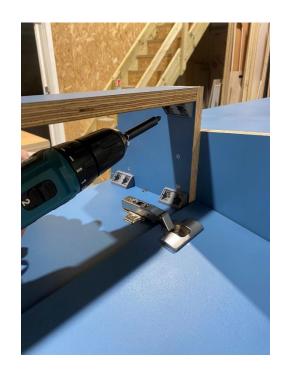




Fit two 2 x chock blocks to the top locker support D6



Hang the top locker, use the pilot holes to align in the correct position



Fit the top locker top support D6



SPLASH BACK



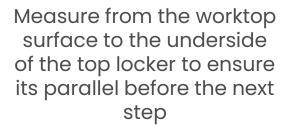
Offer the splash back up, allow it to sit square on the worktop surface and lean into the base of the top locker

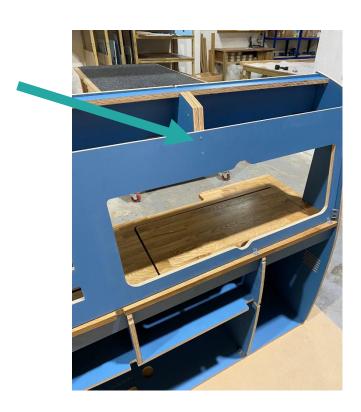


Fit the splash back with small L brackets on the rear with 15mm screws









Screw through the splashback into the dividers D2 and D3





For further strength, screw through the splashback into the top locker base DI, ensure you are screwing in the correct place by measuring (pilot drill first)

OAK DOOR CATCHES

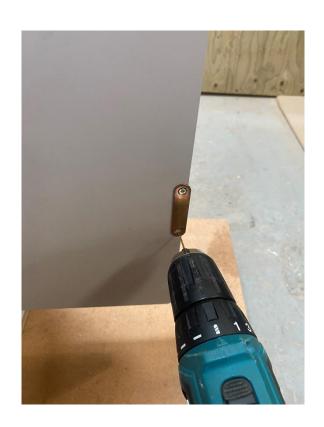


First fit the magnet to the return face, use the floor for doors under the worktop



Offer the strike plate to the magnet for correct positioning, mark the two holes





Pilot drill the two holes with a 2mm bit and screw the plate using the screws provided.

Do not screw too near the edge as the ply can split

DOOR CATCHES





For 90-degree hinge doors needed for some kickboards and the slimline bottom wardrobe door, fit the return block G1 into the rebate using a chock block, this will provide a return to fit the magnetic hinges as before



FLUSH HANDLE DOOR CATCH



For flush handles fit the strike plates, the plate are used for both 180 degree door like the picture, or turned to fit a 90 degree return like the rear wardrobe doors



If you have purchased furniture only skip to slide 106 for fitting





ELECTRIC PACKAGE INSTALLATION INSTRUCTIONS



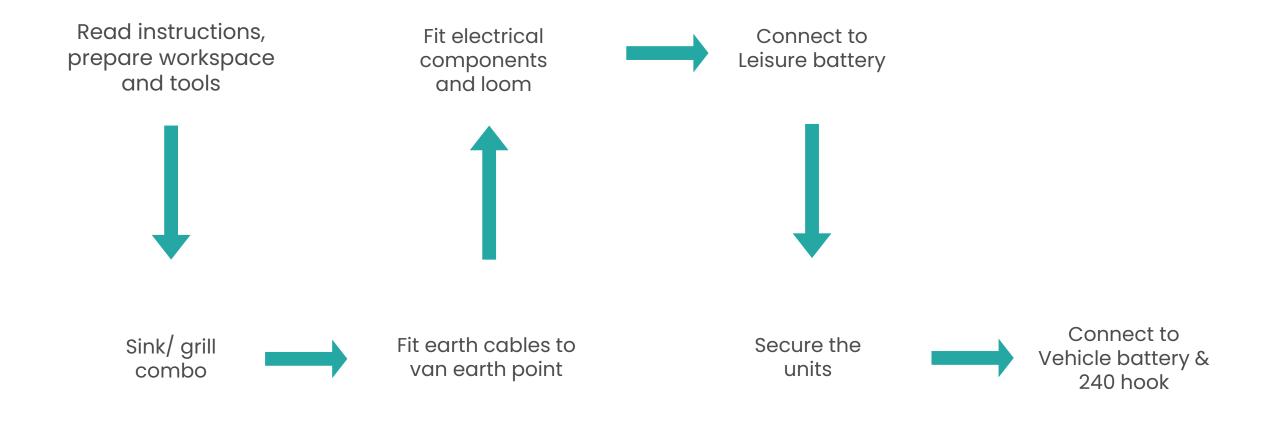
STOP & READ

Please ensure you briefly read over this instruction manual before attempting to fit the electrical components and looms to your units. Once you have an understanding of the process and feel confident carrying out the install, please read and follow each page step by step, failure to do this can result in mistakes and the process taking much longer.

For the purpose of this manual, we have carried out this phase outside the van, once again for ease of demonstration and to take better pictures

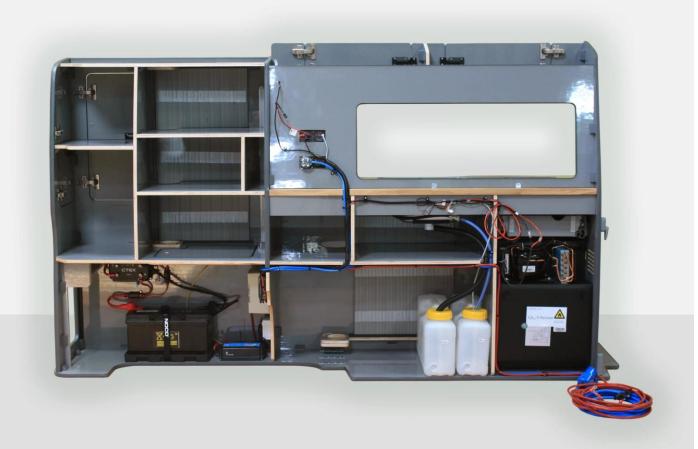


THE PROCESS









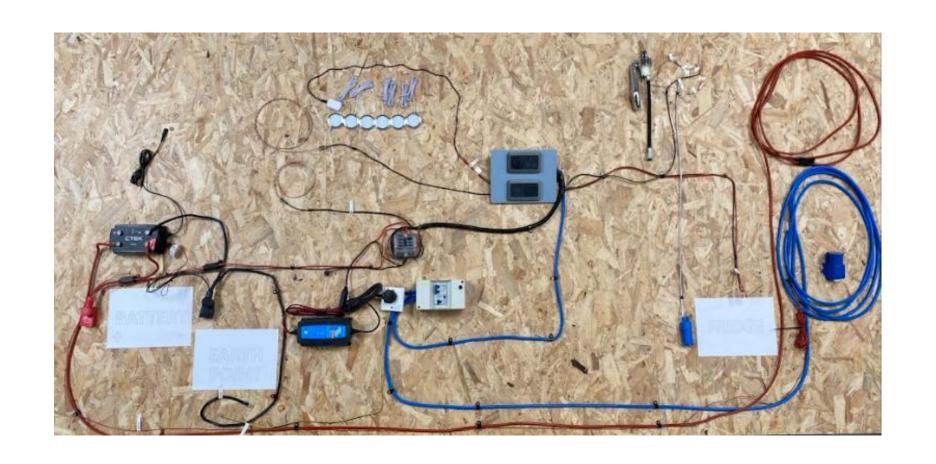
DISCLAIMER

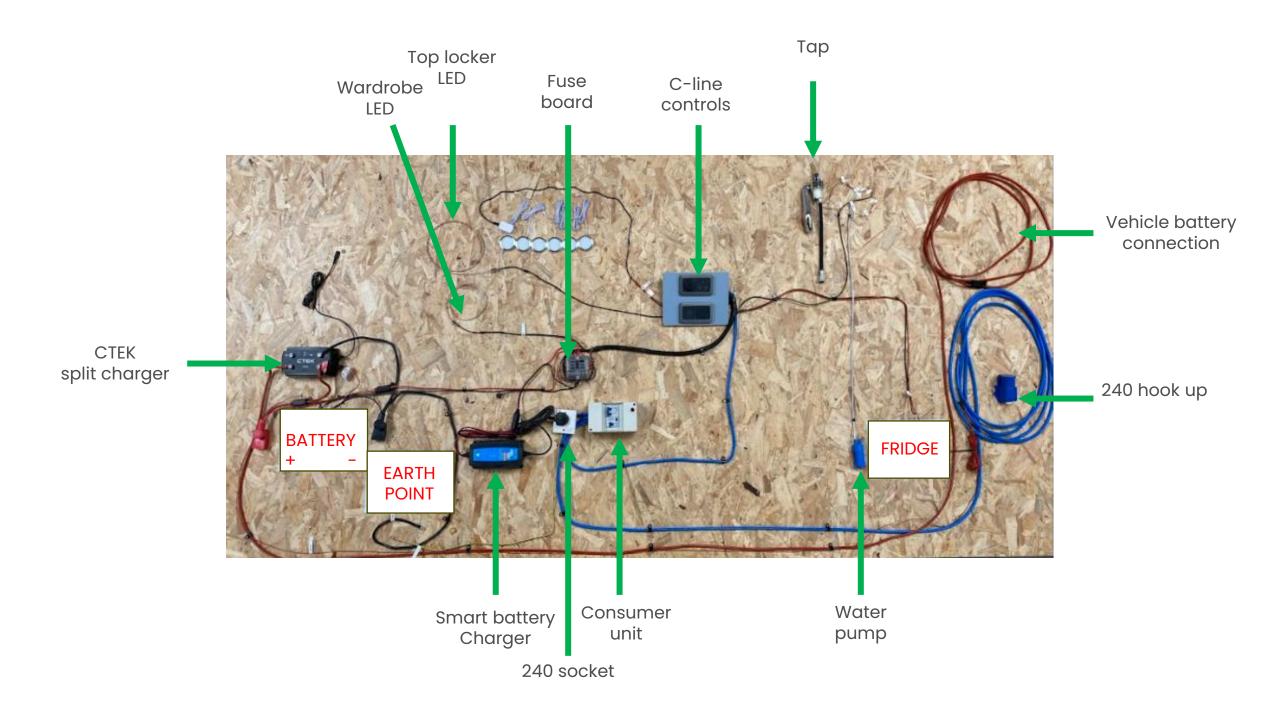
Please note, this instruction manual is a guide to how we recommend the following stages are carried out. Although the looms and components are prewired and labelled, you will require a basic understanding of electrics. If you are not confident in this process, we recommend seeking advice or help from a professional.

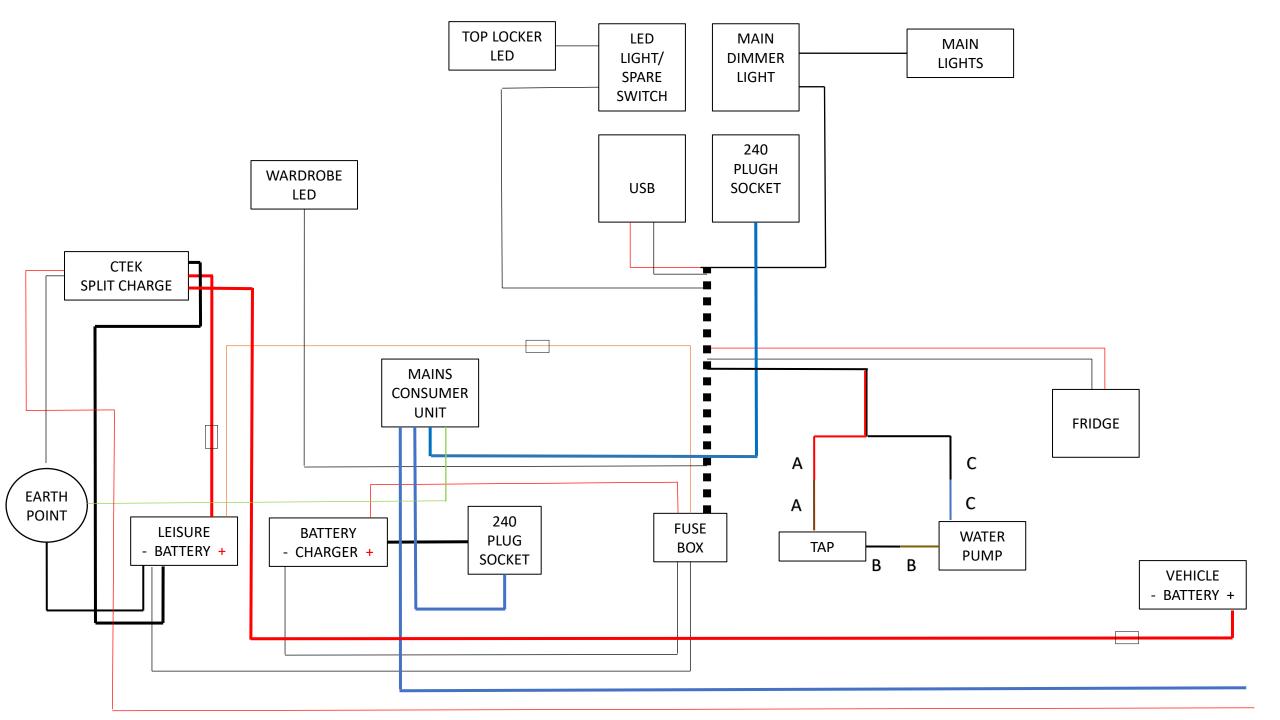
All components and looms are pre-tested on our mock up kit to pass quality control before leaving us, any issues that arises will be a result of incorrect assembly and will require a fault-finding process. For example, the entire electrical loom may not be live due to one simple loose connection. Please ensure you have followed the steps correctly.

Although we may be able to advise, we are a product-based company, all components are brand new and tested. If you are still unable to diagnose where any electrical issues are, we recommend seeking advice or help from a professional.











VAN EARTH POINT

In order to access the vehicle earth point on the T5/6, you will need remove and cut a hole in the O/S (driver side) rear quarter panel. In the following slides we will show you exactly where and how to do this.

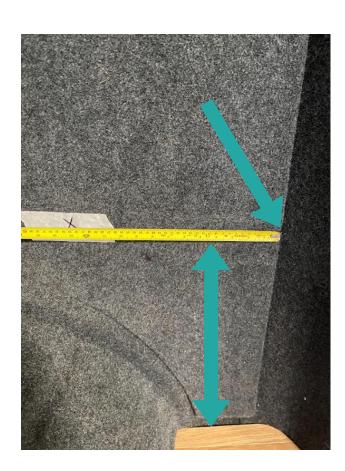
If you are unable to remove the panel, we have measured exactly where the earth point is for you to access without removing the panel.



VAN EARTH POINT



Mark the earth point 330mm from the rear of the panel and 450mm from the van floor

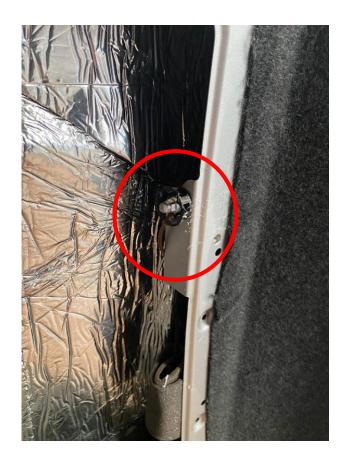


Remove the panel



VAN EARTH POINT







VAN EARTH POINT LOCATION



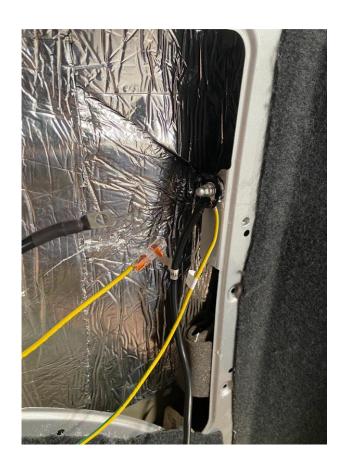
100mm from the rear panel position



500mm from the van floor



VAN EARTH POINT

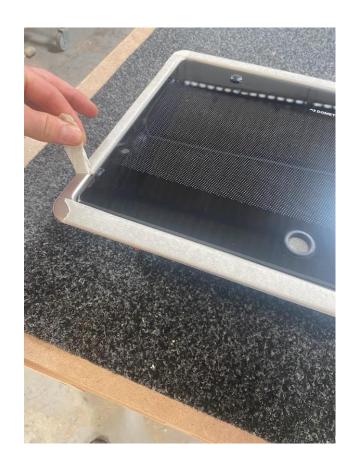


Fit the earth cables

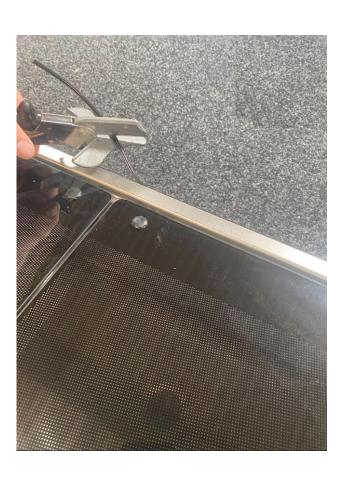


Re attach the OS rear quarter panel





Remove the protective masking tape



Fit the rubber edging, cut on completion and butt together

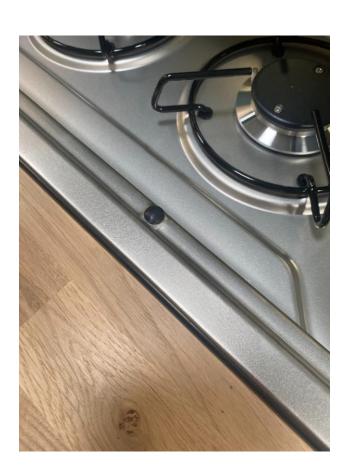


Insert the grill to the underside template. Fit the screw inserts





Screw into the template using the screws provided with the appliance



Fit the black screw caps

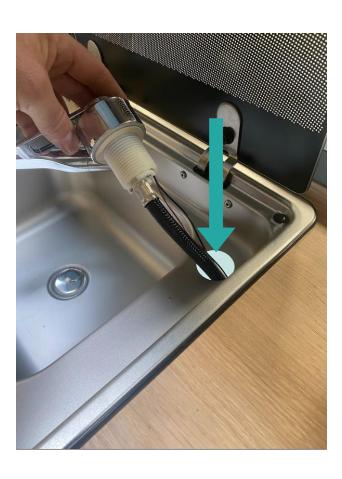


Fit the plug rubber seal





Screw the drain into place



Feed the tap through the tap hole



Feed the rubber seal then fixing thread over the water pipe and cables from behind and tighten





Heat one end of the freshwater pipe in hot water



Manipulate the pipe to give a wider berth

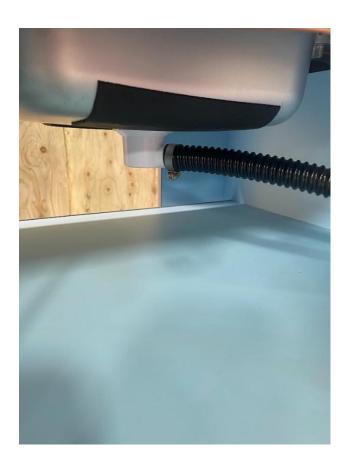


Fit the pipe to the water pump





Fit the other end to the tap inlet, push firmly, there will be an obvious audio clip



Fit the 20mm waste pipe to the grey outlet under the sink, fasten with jubilee clip, heating in water may be required

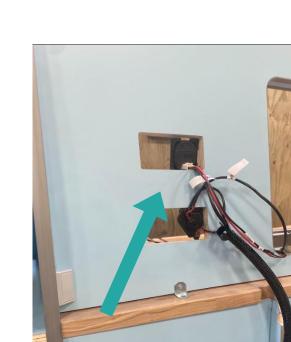
STOP & READ

Always use 15mm screws unless stated otherwise, failure to do so will result in screwing through the furniture board





FUSE BOARD AND MAIN LOOM



Feed the control switches through the C-line cut outs





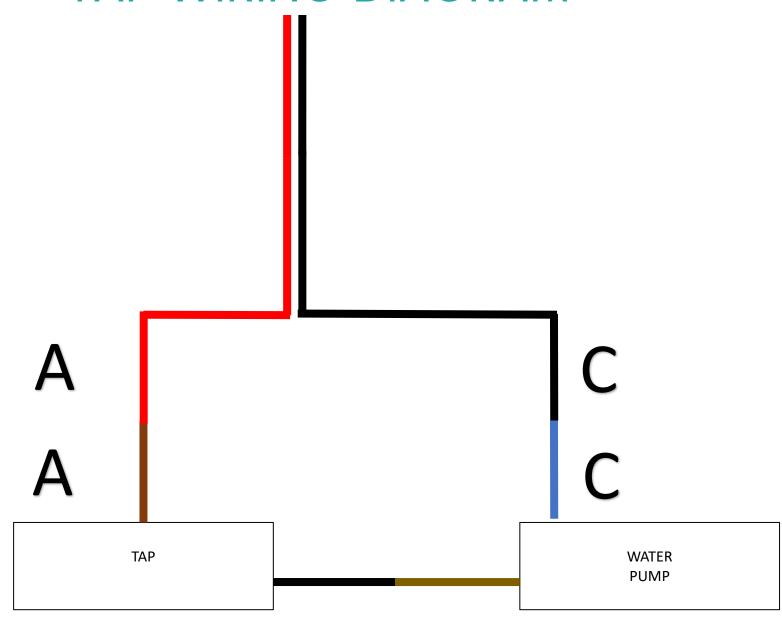
Using the cut outs in the furniture, run the fridge and tap cables into place and p clip into position



Screw the fuse board into place using the pilot holes provided



TAP WIRING DIAGRAM

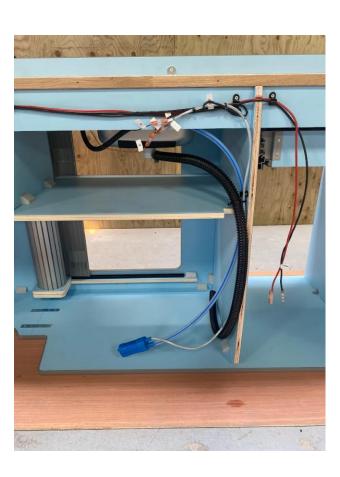




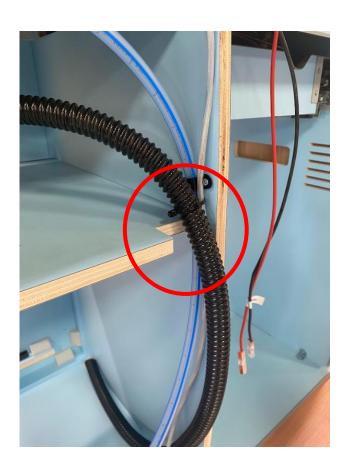
TAP

freed the cable and fresh pipe through the hole on the water tank lid before installation





Connect the tap and water pump using the labelled wago connectors, then P-clip or cable tie away



P-clip and cable tie the waste, water pipe and tap cable into the shelf notch



CONSUMER UNIT & SOCKET



Remove the consumer unit face and fit into position, ensure the short single 3 core blue cable and earth exits the bottom



Remove the 240 socket face and fit on the square below



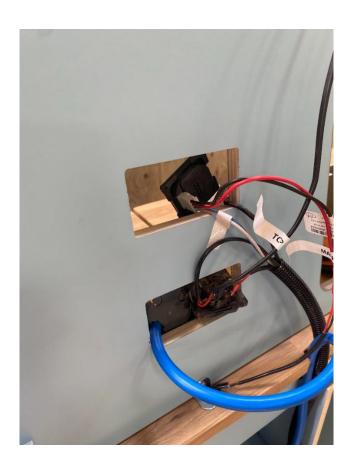
Finally refit both faces



C-LINE CONTROL PANEL



Remove the back cover of the 240 C-line socket



Now feed all controls though the C-line cut outs



Re attach the back cover of the 240 C-line socket



C-LINE CONTROL PANEL



Clip the controls into the fixing plate then screw into place aligning with the pilot holes provided



Clip the finishing cover plates over the top into position



CTEK/ BATTERY CHARGER AND TRAY



Screw the CTEK split charge into position



Screw the smart charger into position and connect

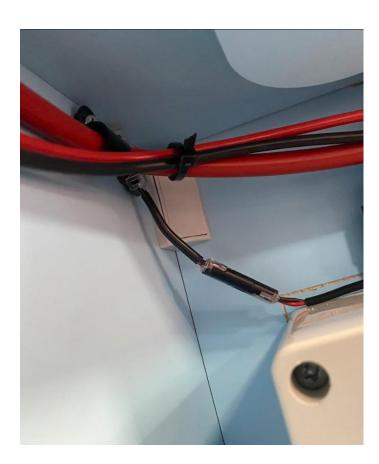


Before fitting the battery tray remember to feed the strap underneath

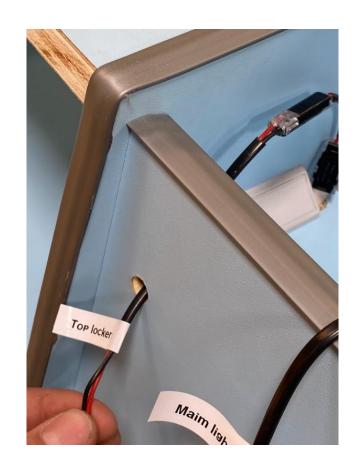




Fit the battery tray using the pilot holes provided, have the cut-out entry point over the positive side



Clip the Wardrobe LED into the Qijie joiner, ensure the fit is correct



Feed the top locker LED through the splashback hole and connect to the Qijie joiner, ensure the fit is correct



P-CLIP CABLE TIDY

Tidy up all wires and P-clip into place, it's important to have tidy and organised cables, here are a few pictures of how we do it.



P-CLIP CABLE TIDY







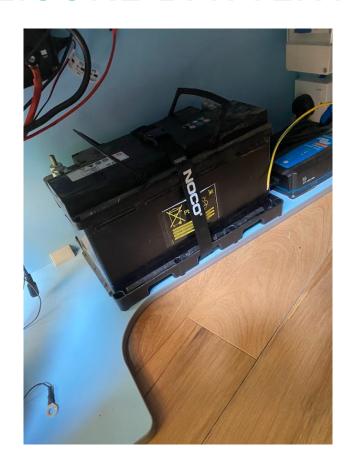




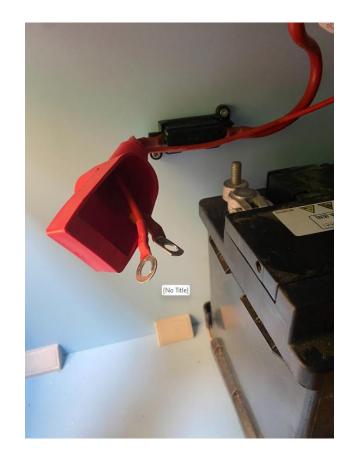
CONNECTING THE LEISURE BATTERY



Attach the battery terminals



Fit the battery to the stary and secure with the strap



Pull all live red cables and the CTEK thermometer through the rubber terminal



CONNECTING THE LEISURE BATTERY



Fit the studs over the terminal positive, then firmly tape the thermometer to the terminal



Fit the rubber terminal and repeat the process for the negative, include the black earth cable



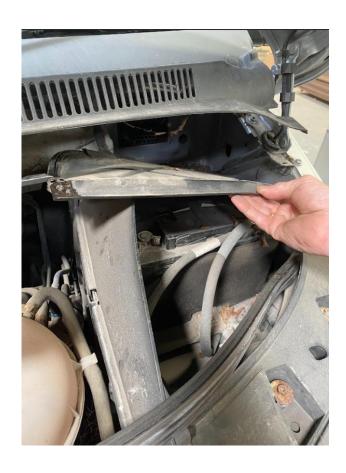
Attach the consumer unit earth with the wago clip



Offer the units into position but do not fit into place



CONNECTING TO THE VEHICLE BATTERY



Firstly, remove the cover above the vehicle battery



Locate the firewall hole



Fit a 25mm rubber grommet



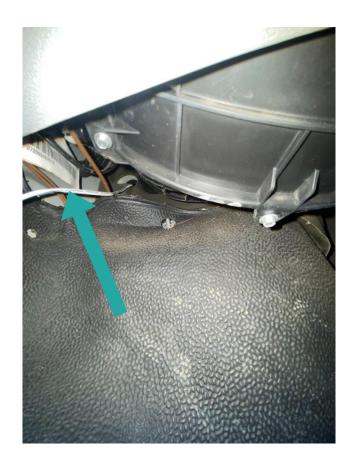
CONNECTING TO THE VEHICLE BATTERY



Cut and fit a rubber grommet to the cover above the battery



Remove the lower panel below the NS glovebox



Feed some guide wire through the hole to establish the path, we have used some old BT cable in the picture



SMART ALTERNATOR

From 2015 the Later T5 BlueMotion and T6 are fitted with variable voltage charging systems that help to reduce emissions, this means conventional VSR relays are no longer appropriate to use. If you have this smart alternator, you will have a third 1mm red cable with a 'piggyback fuse' on the end that will need to follow the path of both the red vehicle battery cable and artic blue 240 cable until slide 115 where you can plug into the fuse board. If you are unsure if you have a smart alternator please see link below

https://www.youtube.com/watch?v=Nkb0nSuRQxE



CONNECTING TO THE VEHICLE BATTERY



Remove the lower panel on the drivers side



Remove the drivers sidestep



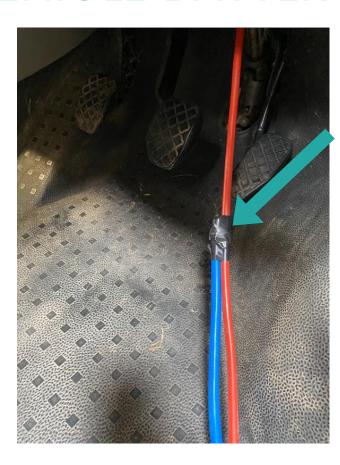
Cable tie the two cables and feed underneath the pillar trim into the sidestep



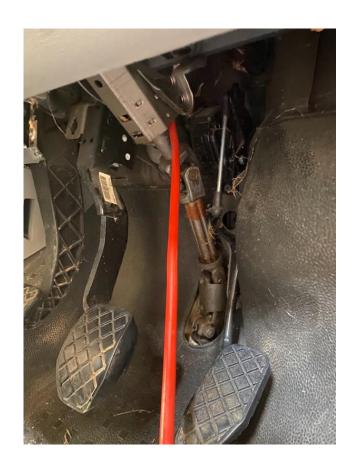
CONNECTING TO THE VEHICLE BATTERY



Continue to feed the cables along the sidestep



Tape the end of the blue approximately 2m from the red end



Feed the red end over and behind the pedals and through the centre console



SMART ALTERNATOR



Remove the 15amp fuse from the centre column second down on the T5 (T6 fuse board to right of wheel and may differ)



Insert the 15amp fuse into the piggyback and fit in the same location



SMART ALTERNATOR

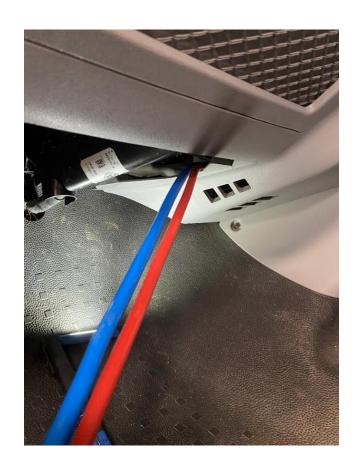
The previous slide determines your switch/
ignition live fuse (in most cases) however some
fuse boxes can slightly differ.

If your leisure battery is not charging when the engine is on, you may not be piggybacked to a correct switch/ ignition fuse. Please see video link below for more helpful info

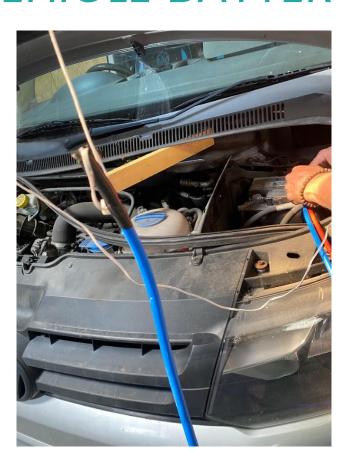
https://www.youtube.com/watch?app=desktop&v=a 1yoS5WfBF8



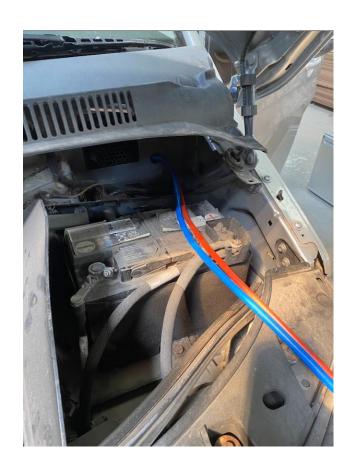
CONNECTING TO THE VEHICLE BATTERY



Now pull both cables through to the passenger footwell, this stage requires patients!



Attach the cables to the guide wire and pull through the firewall hole



Pull both through then remove the guide wire and tape

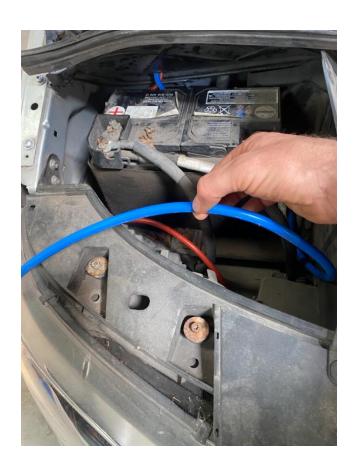


Before proceeding to connect to the vehicle battery and fitting the 240 hook up, ensure you have stowed away both cables correctly and safely. This is imperative near the pedals, make sure you have cable tied them together; above the pedals as high as possible to one of the pre-existing vehicle looms, safely out the way and *not* impeding any pedal motion. You can now refit the sidestep, rubber trims and panels



CONNECTING TO THE VEHICLE BATTERY

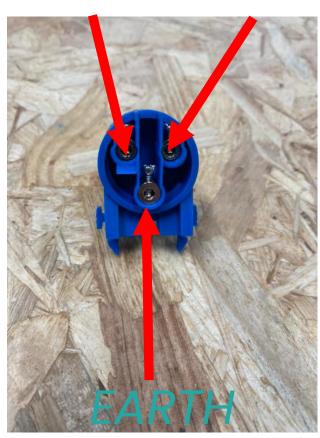
LIVE NEUTRAL



Locate the finish position of both cables and cut any excess



Wire the 3 core artic 240 cable to the hook up



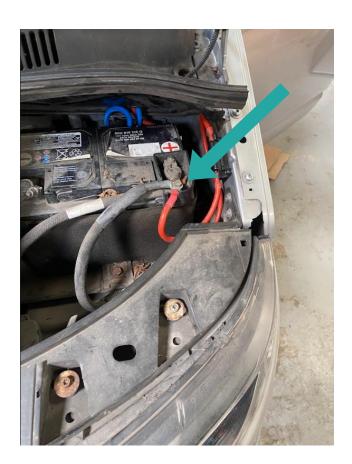
Please double check terminals match the picture as newer designs may differ



CONNECTING TO THE VEHICLE BATTERY



Fit the 240 hook up and screw into position



Connect the red split charge cable stud to the vehicle battery live



TEST

Before securing the units to the van, we advise running an electrical test. Check all components are working correctly. Make sure your consumer unit is on with the breakers in the off position.

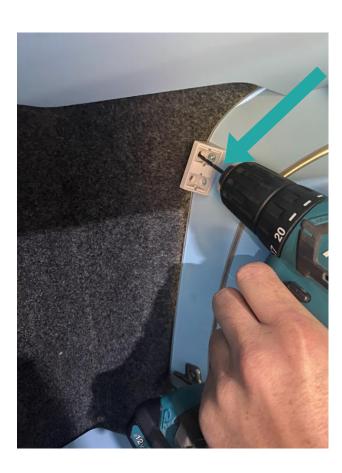
Push the unit into position flush with the van walls

The wardrobe should be as far to the rear as possible underneath the D pillar





Secure the battery rear with 2 x chock blocks, screw into the base only with 16mm screws



Firstly, fit the rear into position, you will need to pilot drill through the van metal work before fixing, 16mm screws is surfiest



Repeat the process with two chock blocks as seen in the picture

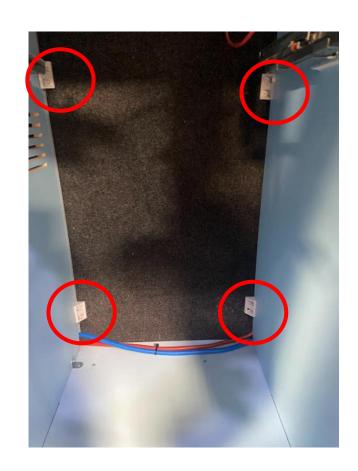




Continue to secure the units to the van ply lining, 16mm screws only into the furniture, however 25mm can be more effective into the ply.



Ensure the units are pushed back and as flush as possible. Key tip, attach the block to the unit first, then into the ply



Finally, the fridge pod area, remove the drawer for easier access





Now screw into the floor using 25mm screws.



Remove the battery access flap in the rear wardrobe to locate the two pilot holes, be mindful of the electrics, for slimline use the lower door built for this reason

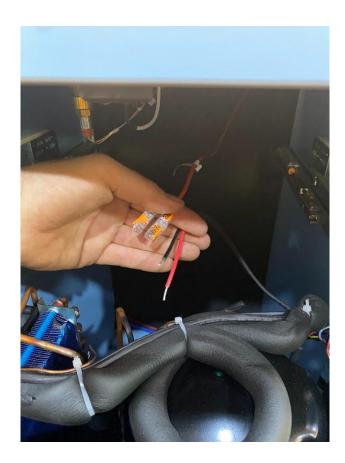


Continue in the main compartment.





Finally, the fridge aperture .



Offer the fridge into position and connect the feeds using the wago connectors, check the fridge is working before fixing



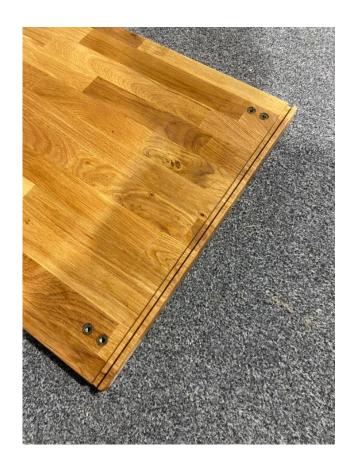
Screw though the right side into the aperture, use 25 or 30mm screws, be mindful not to screw through the ply

FITTING THE TABLE LEG AND RAIL





FITTING THE TABLE LEG AND RAIL



Fit the 4 x threaded inserts to the table



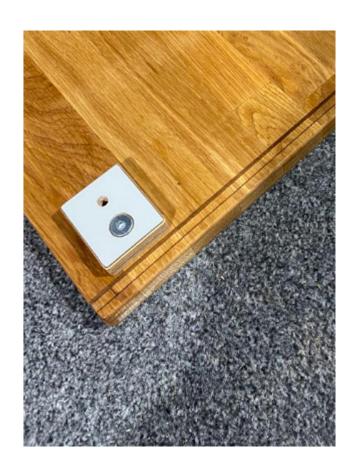
Fit the 4 x threaded inserts to the table rail



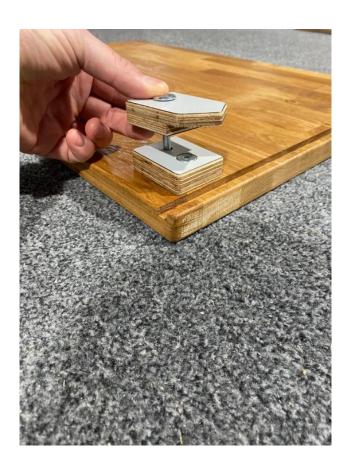
Bolt the table rail to the kitchen unit face (B1) using 25mm bolts



FITTING THE TABLE LEG AND RAIL



Bolt the 2 x spacing blocks to the table as per picture



Fit the 2 x table locking pieces as per picture using a 45mm bolt (do not over tighten as it must pivot to lock under the rail)



Fit extendable leg using 20mm screws, ensure to orientate correctly

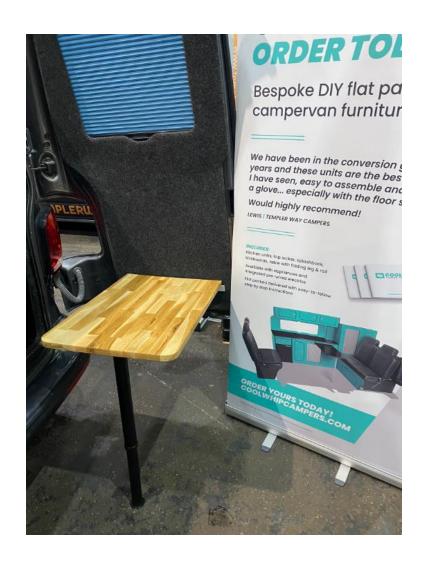


BARN DOOR TABLE RAIL



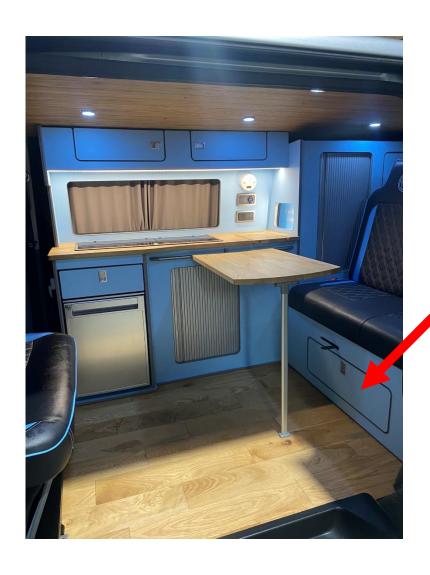
If your vehicle has barn doors you can also fit the barn door table rail, this will facilitate the use of your table outside the vehicle.

Ensure you dry fit first to check the height then simply screw to the barn door ply.





FITTING THE KICKBOARD



Finally fit you bed and kickboards, most kickboards do not have doors, we recommend using disk magnets to attach, you can then fully remove for maximum storage access



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INFO

Mon - Fri 9am - 5pm Weekend closed