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COOLWHIP
CAMPER CONVERSIONS



uSeat Multi instruction manual

THE PROCESS

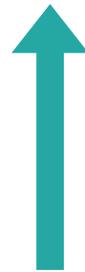
Read instructions and
prepare workspace and tools



Oil the edges and
oak worktop



Assemble



Prep work



Fit

STOP & READ

PLEASE ENSURE YOU BRIEFLY READ OVER THIS INSTRUCTION MANUAL BEFORE ATTEMPTING TO ASSEMBLE AND FIT YOUR USEAT FURNITURE.

ONCE YOU UNDERSTAND 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.

THIS INSTRUCTION MANUAL IS BASED ON THE VW T5/T6 SWB VEHICLE PLATFORM. FOR LWB PLEASE NOTE THE EXTRA LENGTH IS IN THE KITCHEN POD AND PIECE A2 OVER THE NS DOOR IS SHORTER WITHOUT A DOOR

AFTERCARE

IF YOU HAVE ANY ISSUES WITH YOUR KIT, PLEASE ENSURE YOU READ THE INSTRUCTIONS IN FULL BEFORE CONTACTING US ON SUPPORT@COOLWHIPCAMPERS.COM.

PLEASE INCLUDE YOUR ORDER NUMBER, SERIAL NUMBERS AND ANY PICTURES THAT MAY HELP US HELP YOU





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. ALLOW AN ADDITIONAL DAY FOR THE PLUG AND PLAY BUNDLE

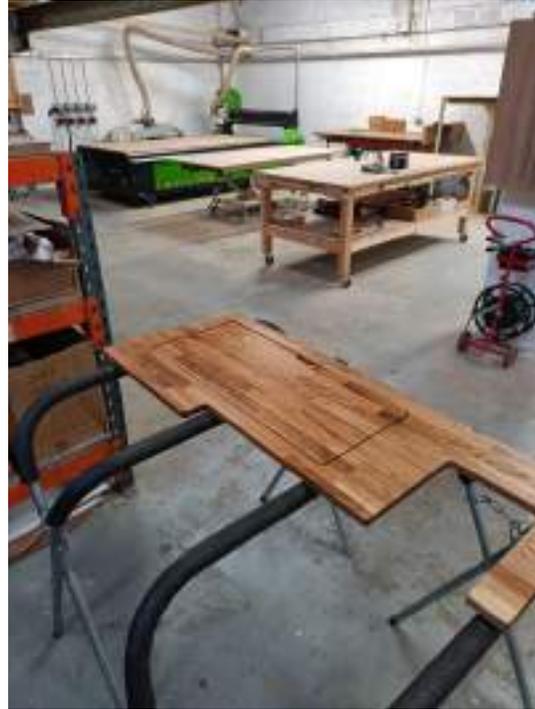
OILING/ WAXING

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

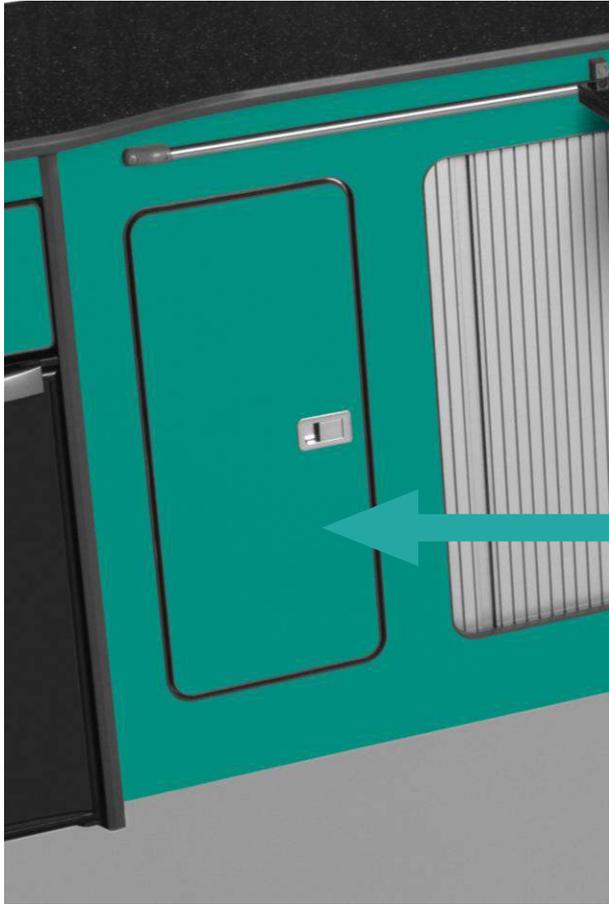
ENSURE YOU ONLY USE **16MM SCREWS** PROVIDED, OR SCREWS THAT COME WITH HARDWARE SUCH AS DRAWERS AND HINGES UNLESS STATED OTHERWISE

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

DOORS & HANDLES



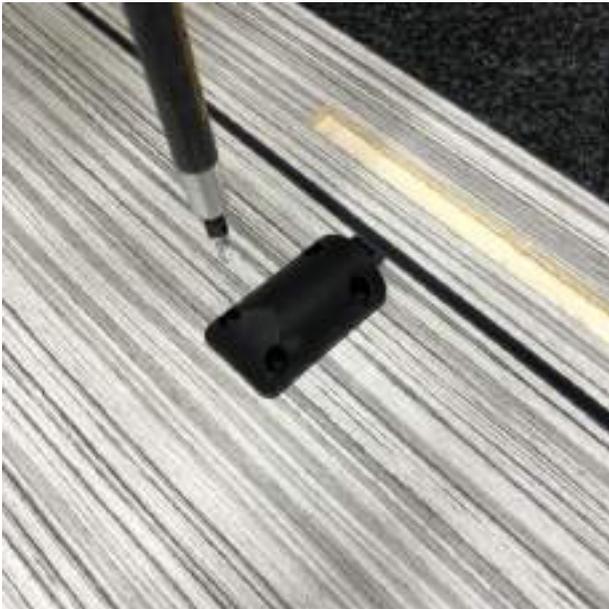
TOOLS

- Drill Driver
- Stanley knife
- Cross head Screw driver



HANDLES

FIT ALL HANDLES INTO THE DOORS



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

HANGING RECESSED DOORS

USE PARALLEL HINGES TO HANG THE RECESSED DOORS BELOW,
USE THE PILOT TO ORIENTATE CORRECTLY

- A2 (SWB ONLY)
- A3
- A10 (WITHOUT PULL OUT REAR KITCHEN)
- A18 (NS SEAT FLAP)
- B6
- C22 (2 X OS SEAT FLAPS)

HINGES



Fix the hinges to the door only using 15mm screws



If your hinges have the cover plates clip them on



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

(CONT.)

HINGES

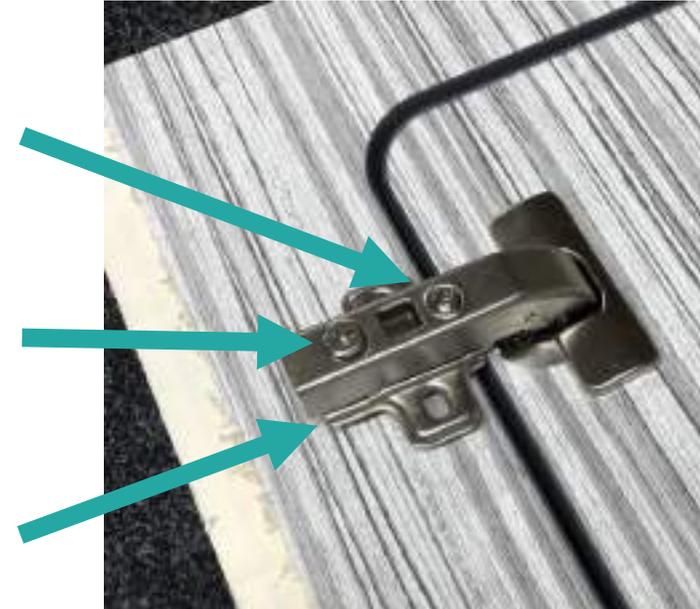


Remove Euro screws (if necessary) and replace with 15mm screws provided with the hinges to fit the plate to the aperture. Repeat this process with all hinges

HORIZONTAL
ADJUSTMENT

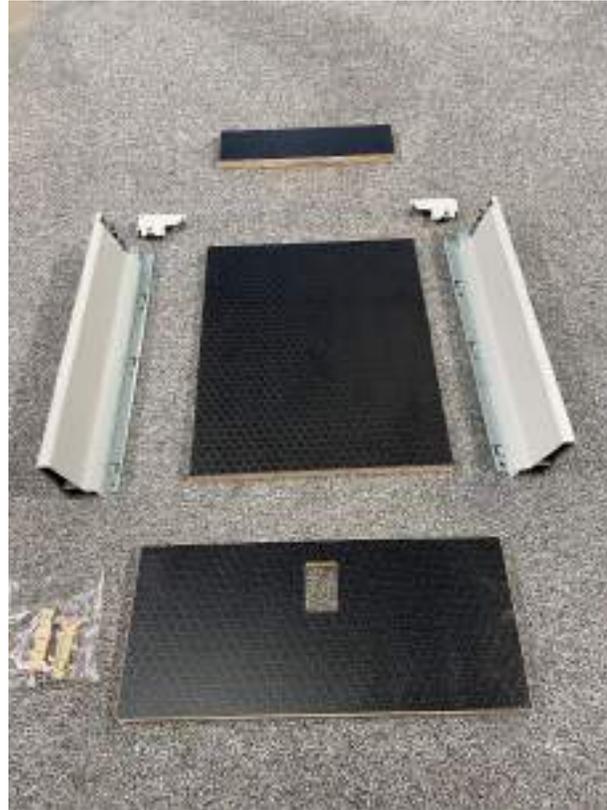
OVERLAY
ADJUSTMENT

CLIP-ON
MOUNT



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

DRAWER ASSEMBLY



DRAWER ASSEMBLY

THE FOLLOWING DRAWERS NEED BUILDING - SEE NEXT SLIDES FOR INSTRUCTION AND BELOW FOR SERIAL NUMBERS

-KITCHEN POD - 400 '**SOFT CLOSE**'
C9=DRAWER FACE
C10=DRAWER BASE
C11=DRAWER REAR

-PULL OUT REAR KITCHEN 300 '**PUSH TO OPEN**'
E8=DRAWER FACE
E7=DRAWER BASE
E9=DRAWER REAR

WE FIT THE DRAWER RUNNERS LATER

(CONT.)

DRAWER ASSEMBLY



Attach the mounting clips



Fit the drawer rear using 15mm screws. Fit 9722 C11 drawer rear in kitchen pod when fitting the 9722 grill



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

(CONT.)

SOFT CLOSE DRAWER ASSEMBLY



Fit the drawer face catch
(Not required on push to
open)



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



Clip the face into the
side runners

GENERAL PREP

FITTING THREADED INSERTS

(CONT.)

THREADED INSERTS



Screw the 6mm inserts into the 9mm holes, ensure they are flush to the surface, do not over tighten as the laminate can crack

See next slide for locations

(CONT.)

THREADED INSERTS



Screw 3 x inserts from the inside
into E2 and E3

- The inside is dictated by the pilot
holes

(CONT.)

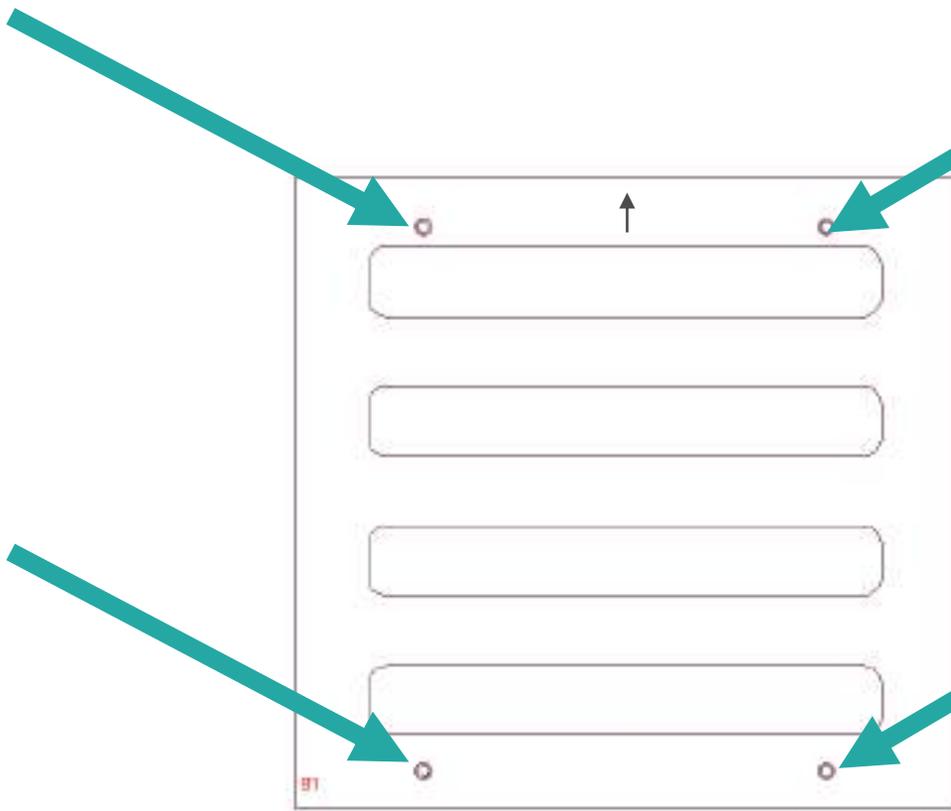
THREADED INSERTS



Repeat for A13, A14 and C21

(CONT.)

THREADED INSERTS



Ford transit custom only

Repeat on B7 x 4

(CONT.)

THREADED INSERTS



Repeat for A6 and A7

The 3 x holes are along the bottom of both pieces, do not screw into the 6mm holes on piece A6 across the top

(CONT.)

A6



THREADED INSERTS

Screw the inserts from
inside on C13 and A6

- 1 x Holes on each are
- Approx. 60 from the top
and 260 from the side
Inside is dictated by the
serial number scratch

C13



(CONT.)

PULL OUT REAR KITCHEN





Fit the alignment blocks to pieces
- E1, E2 and E3 as per the picture

(CONT.)



Fit the sides to the base along
with the rear piece E4

(CONT.)



Fit blocks to E10



Fit blocks to A10 as per picture



Fit overlay hinges to E11

(CONT.)



Fit E10 as per picture



Fit E5 as per picture

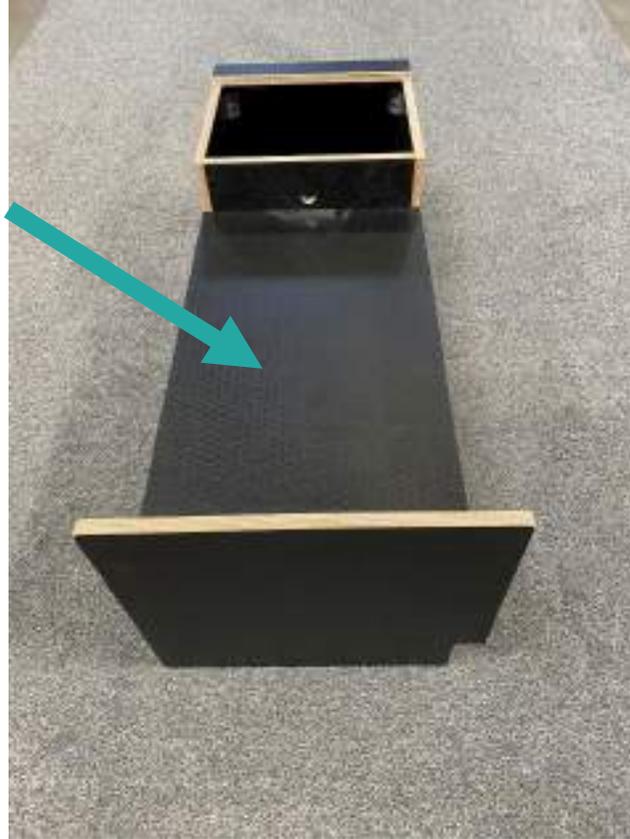


Fit A10 as per picture using pilot holes to align

(CONT.)



Fit the 300mm push runners both sides using pilot holes and screws provided with the drawer



Fit the lid E6



Fit the drawer to the runners, slide runners forward for an audible click to lock into place

(CONT.)



Finally fit the box lid E11

(CONT.)

ASSEMBLY N/S POD





Join A11 and A12 floor bases together using the joining plates



Screw A4 and A5 together using 25mm screws, ensure the serial numbers are on the outside faces and align the male rebates together



Fit blocks to piece A1



Join A1 to A3



Attach A4/A5 to A3 using the 1 x block located above the door, then fit all into the floor rebates as per the picture



Fit A17 seat base then A2, LWB
A2 differs to picture

(CONT.)



Fit the runners into the threaded inserts using 15mm M6 bolts (not the ones that come with the runners)

Dress the main body of the runners to the front for correct alignment

If only 1 x runner has a yellow handle, ensure it's fitted to A6



Fit A6 and A7 to A4/A5, use the rebates and pilot holes to align with blocks



Slide the divider A8 into position and attach to A6 and A7



Fit blocks to A9 then fit into rebates as per the picture



Fit A13 and A14 to A3 and A6 using 25mm M6 bolts. A14 is located at the rear



Place bolts through the 6mm holes into the threaded inserts you fitted into A13 and A14



Fit seat base A18, butt perfectly together with A17 where the arrow indicates



Secure A18 into position with a block as per picture



Fit blocks to A10 as per picture



Fit the rear piece A10, attach to the seat base A18 using blocks as per picture.

(CONT.)



For kits without the pull-out kitchen you can now fit the A10 door and catch with parallel hinges

(CONT.)



Secure the seat bases to the framework using blocks, these are not pilot holed other than a few important areas such as the above

(A10 has been removed for picture purposes)

(CONT.)



Repeat the process for fitting to the floor base

The blocks will fit just under the runners (remove and runners if necessary)

Do not lift the unit until securely fitted to the floor

(CONT.)



Finally fit the catch plates

Ensure the doors are flush before doing so, you may need to adjust the hinges

This job is much easier with two people!

(CONT.)



Screw the leg to the underside of A15 using 4 x 20mm screws

(CONT.)



Place A15 and A16 into position as per the picture, the leg fits into the hole in A17

Place the numbered bed slats into position with equal spacing (match the grain for best results)

Screw the slats into the base below using 25mm screws. These slats allow for the bed and seat to always remain level

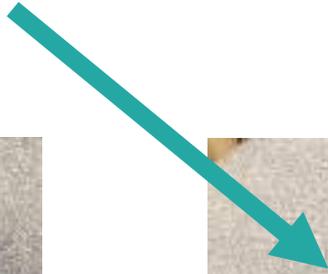
(CONT.)

ASSEMBLY O/S POD



Firstly fit the floor bases C19 and C20 together as per the N/S pod
- using the joining plates and 16mm screws

Flush



Fit the soft close drawer runners to C1 and C2, use screws included with the drawer



Screw C2 and C3 together using 25mm screws with serial numbers on the outsides, dress to the rear and align the male rebates (please note C2 may be unlaminated ply)



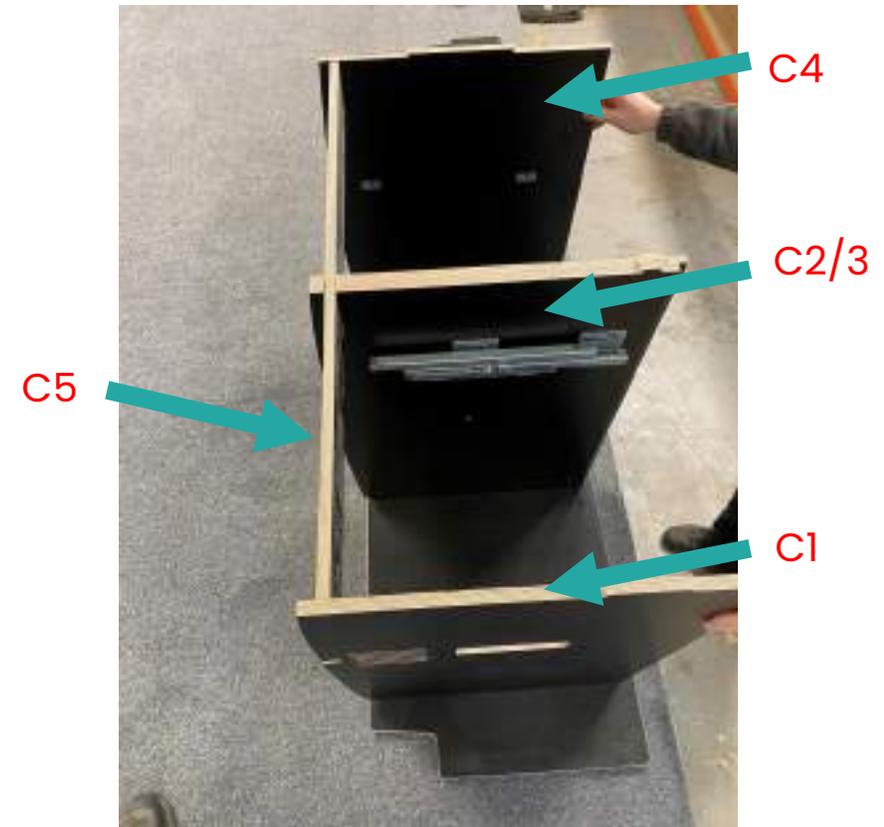
Fit inset hinges and handle to C8



Fit overlay hinges to C7



Fit 4 x blocks to C4



Place C1, C2/3 and C4 into the floor rebates and fit C5 using blocks to hold together



Fit C7 door



Fit the pre assembled drawer



Fit C8 door



If you are fitting the sink, attached it to the worktop first. Drill 4 x holes in the corners to allow a screwed fitment, also use a clear silicone



Now fit the worktop



Attach blocks to C3 and C4 for the shelf

(CONT.)



Screw C17 and C18 together using blocks to create the electrical control panel divider

This is an optional fit, the divider houses in any electric wiring when fitting control panels to the pod as seen in the picture. You must fit with the plug and play package





Finally fit the shelf C6, secure with blocks and screwing through the shelf underside into the divider with 25mm screws



Fit the strike plates for the drawer and door C8



There is no handle for door C7, you will therefore need to fit a magnet return catch



Attach C7 to the floor using the small L-brackets, using blocks here would protrude the fridge



Now continue to attach the worktop to the pod using blocks, there are no specific pilot hole locations (remove drawer for access)



Position C13 with the serial number visible bottom left, then place C12 on top, align both sides and base straight edges flush, C13 will protrude by 15mm at the top



Now screw C12 and 13 together using 25mm screws and the 6 x pilot holes provided



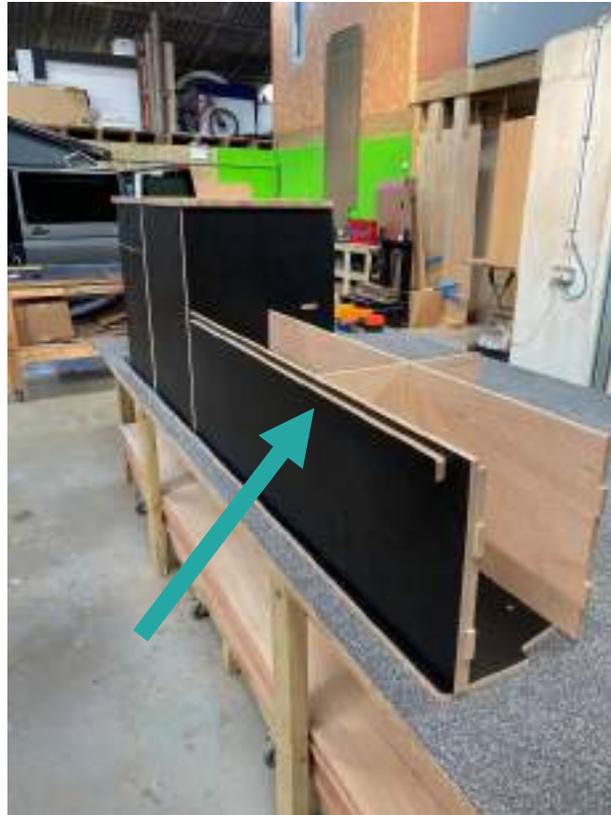
Fit C15 to the rebates in C12 using blocks



Slide C14 and C15 into place and attach with a block



Now fit to the kitchen pod C4
and floor using the alignment
rebates



Attach C21 as per the N/S pod



Now fit seat base C22 as per
picture



Attach blocks to C16 as
per picture



Attach C16

(CONT.)



Finally Secure the seat bases to the framework using blocks, as per the N/S pod these are not pilot holed

(CONT.)



Repeat the process for fitting to the floor base

- Do not lift the unit until securely fitted to the floor

Finally fit Piece C24 to create the leisure battery compartment

(CONT.)



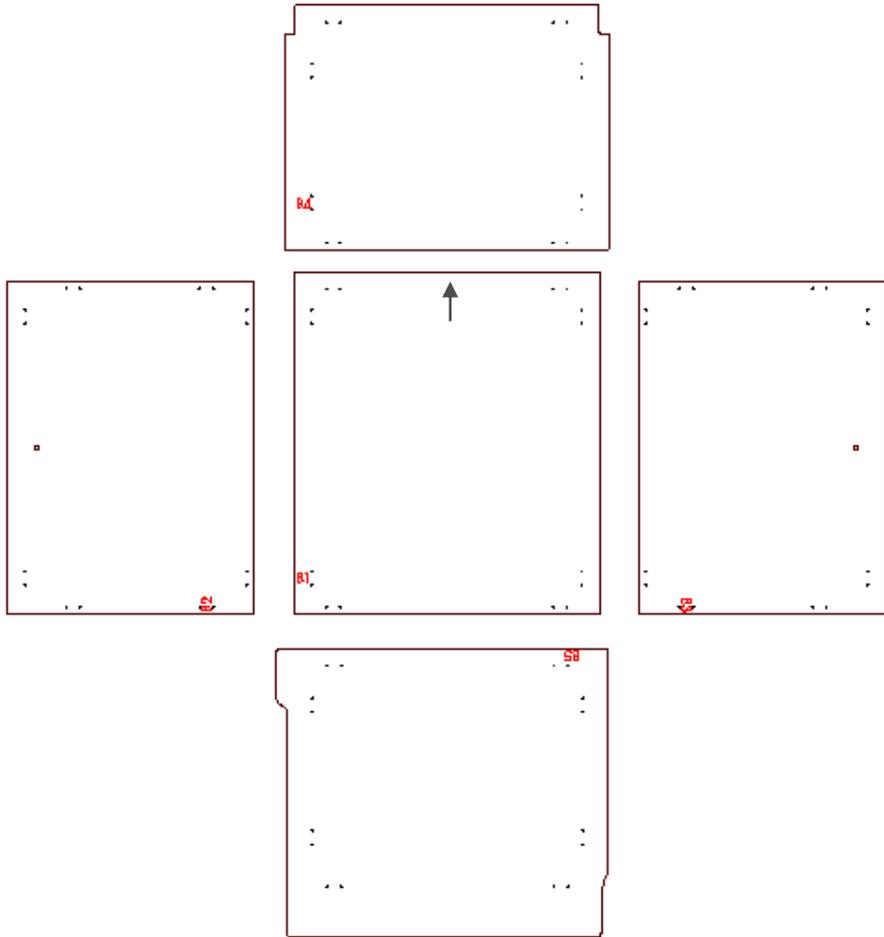
Finally fit the end panel return

- Simply dress flush with the face and screw using corner blocks

(CONT.)

ASSEMBLY STORAGE SEAT





Lay out B1, B2, B3, B4 and B5 as per the picture

Please note on the Ford transit custom B1 has a false ply base (B7) align B1 on top of B7 using the arrows and bolt with 4 x 25mm M6 bolts



Attach all pieces together using all the pilot holes and chocks for alignment

Before fitting B6 remember to fit catch plate

Please note do not sit on the storage seat without the cushion as you will go through the door!

(CONT.)

ASSEMBLY TOP LOCKER





Screw D2 to D3 using 4 x 25mm screws



Fit overlay hinges to the doors and handles to D7



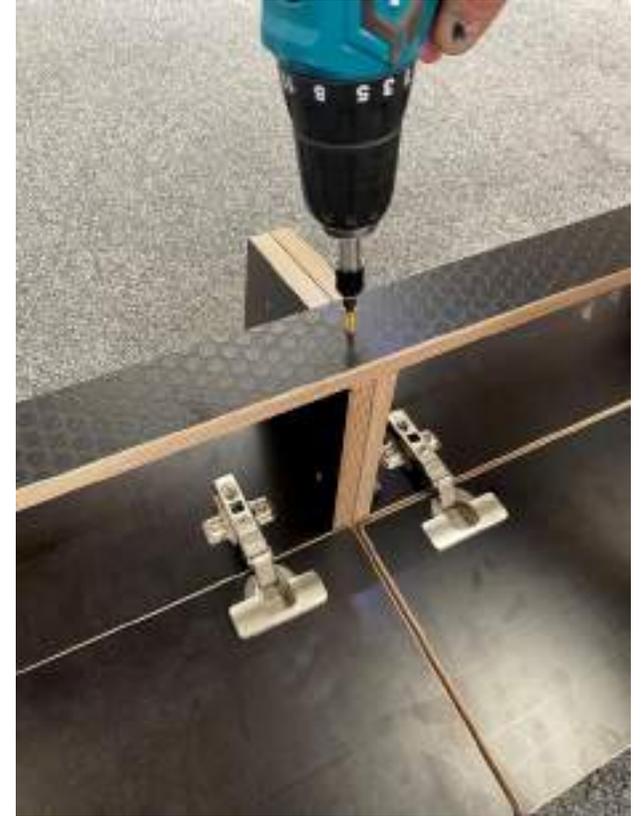
Fit blocks to D6 as per picture



Fit blocks to the base of D4 and D5



Fit all pieces as per picture



Fit D6 using the blocks to D4 and D5 and a 25mm screw into the centre dividers as per picture



Adjust the hinges to suit



Fit strike plates for the handles



Your strike plate may need to protrude in order to catch correctly

FITTING THE USEAT





Firstly lift the OS pod into the van

- For LWB units we recommend three people, two lifting as per picture and another set of hands supporting the middle.

PLUG AND PLAY

The plug and play installation phase must be carried out prior to securing the units to the vehicle

If you have a plug and play package, dress your OS pod to the NS leaving as much work space as possible then skip to slide 86



Repeat the process for the O/S

For LWB units we recommend three people, two lifting as per picture and another set of hands supporting the middle.

Place into

A2



Place into position by offering the unit as far back to the D pillar as possible, piece A2 will sit perfectly into the C pillar

Ensure you have secured to the base well and lift carefully with 2 people

Do not screw/ bolt to van yet

Please note on the Ford transit custom the base will sit up to and not over the rear threshold step



Slide the storage seat into place

This will help align and position

- Please note, on the Ford transit custom, you will need to open the pull-out kitchen or A10 door for the removal of the storage seat



Make the bed to help align
the pods and position
correctly before fitting



Align the holes inside the storage seat with the threaded inserts on either side pod, you can fasten into place using the M6 hand wheels bolts

We advise you always fix into place during transit

The uSeat has been designed to be fully removable, this is achieved by fitting threaded inserts into the van floor, then bolting the units down through the pod floor base

Firstly, ensure the pods are seated and located correctly, then locate all the 13mm fitting holes



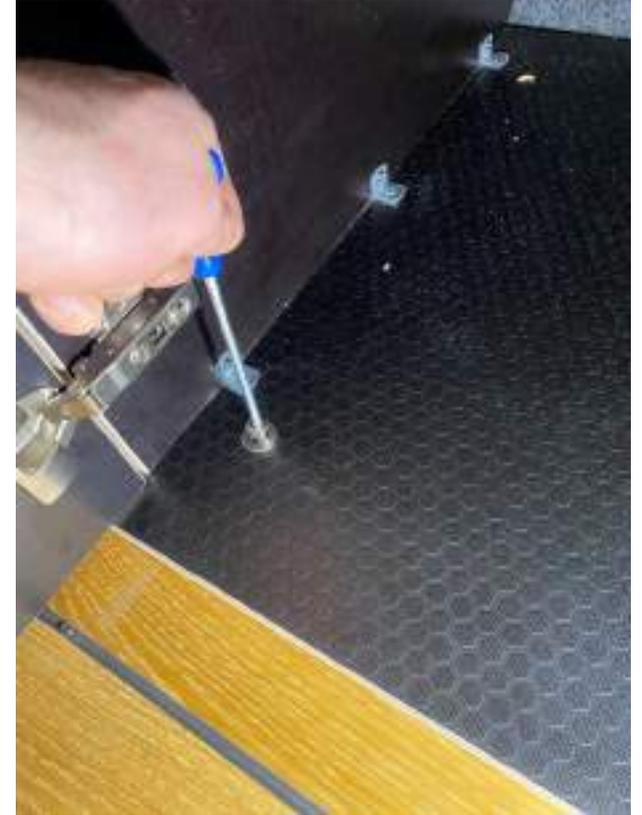
Place a 9mm drill bit through the 18mm holes in the pod base, then drill a hole into your van timber floor.



Clean the hole out using a
hoover



Screw a 6mm threaded insert
into the hole in the van floor



Secure with a 25mm washer
and 30mm M6 bolt. Repeat
the process



Once bolted into position, push the top left section of the O/S pod flush with the ply lining and screw a quick release wheel to the inside of the left end panel C1. This will stop the high point of the pod moving.



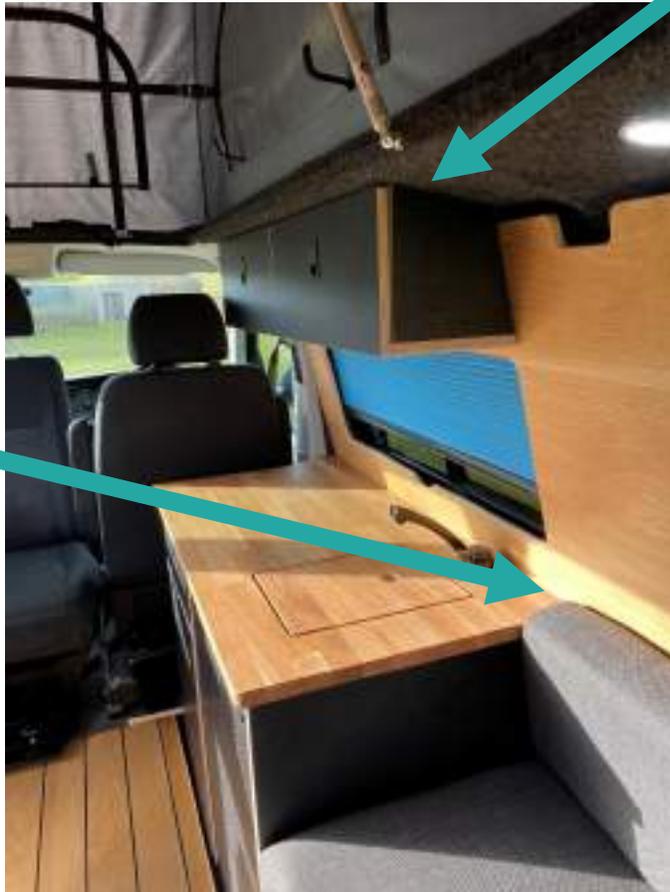
Finally, fit the pull-out rear kitchen. This job requires two people. Pull both runners out fully, align with the holes on the drawer sides and fit with the small M6 15mm bolts.

Engage the yellow handle/ handles to release and engage the locking mechanism

FITTING THE SPLASHBACK AND TOP LOCKER



Flush



Scribe cut needed

The 'front section' splashback and the 'full length' splashback both sit on the worktop surface. This will require screwing to secure, depending on several variables there are many different fixing points. For Ford transit custom you will need to either scribe round the plastic cable trunking, remove it or screw it to the face of the splashback.

Once the splash back is secure, scribe the top locker end panels to suit your vans requirements

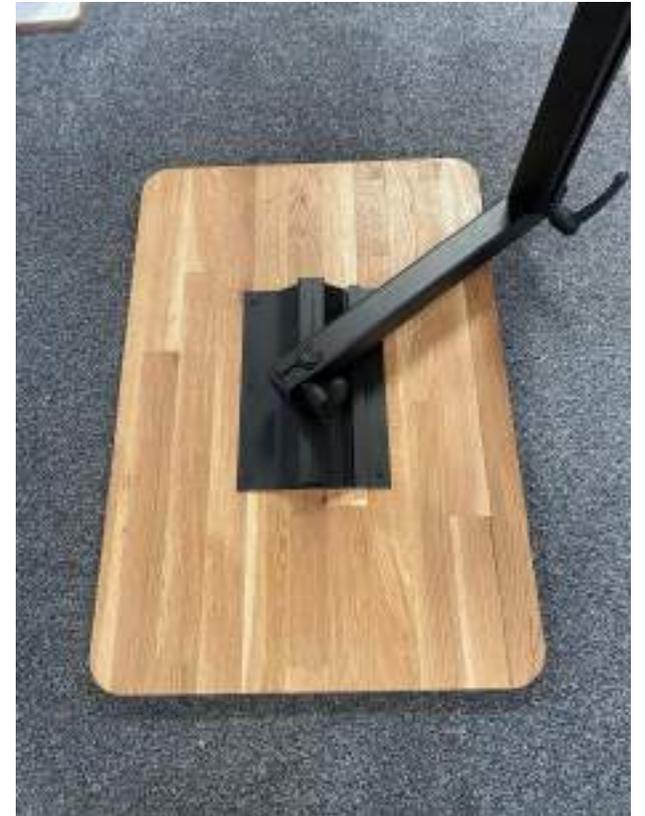
Finally fit the top locker, you can achieve fixing points into the splashback and the van roof/ pop top metal work. Fit from the inside using blocks.



Fit the swing table plates using black bolts provided, use the m8 nuts that come with the hardware



You will need do drill your own holes for any extra mounts ordered



Finally fit the bracket to the table using the screws provided

PLUG AND PLAY ELECTRICAL 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

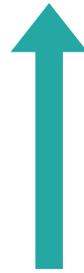
Read instructions,
prepare workspace
and tools



Run permanent
cables



Final fix sockets and
plumbing



Fit electric board



Fit units to vehicle



Connect to leisure
battery and electric
board

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 dispatch, 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.

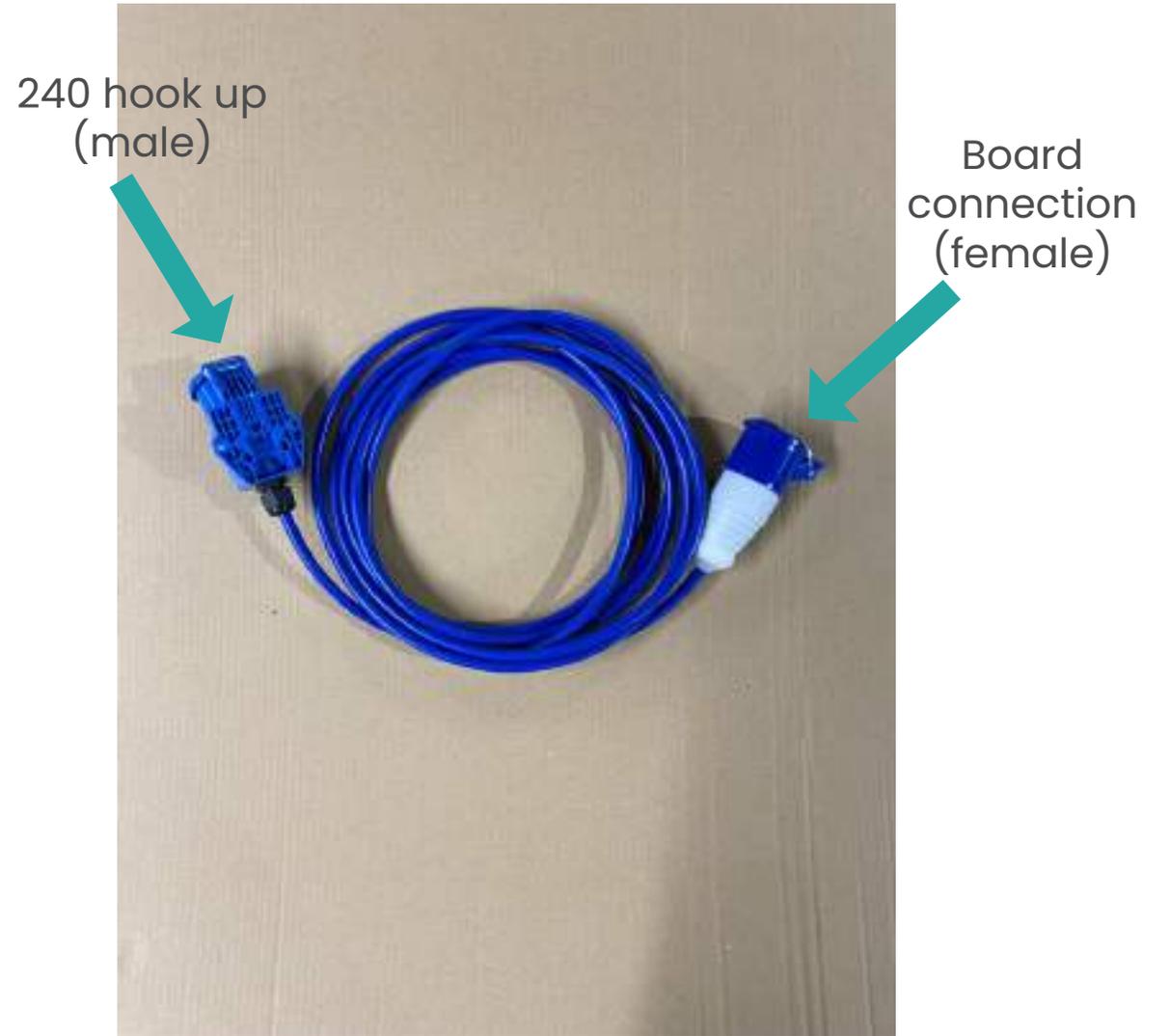
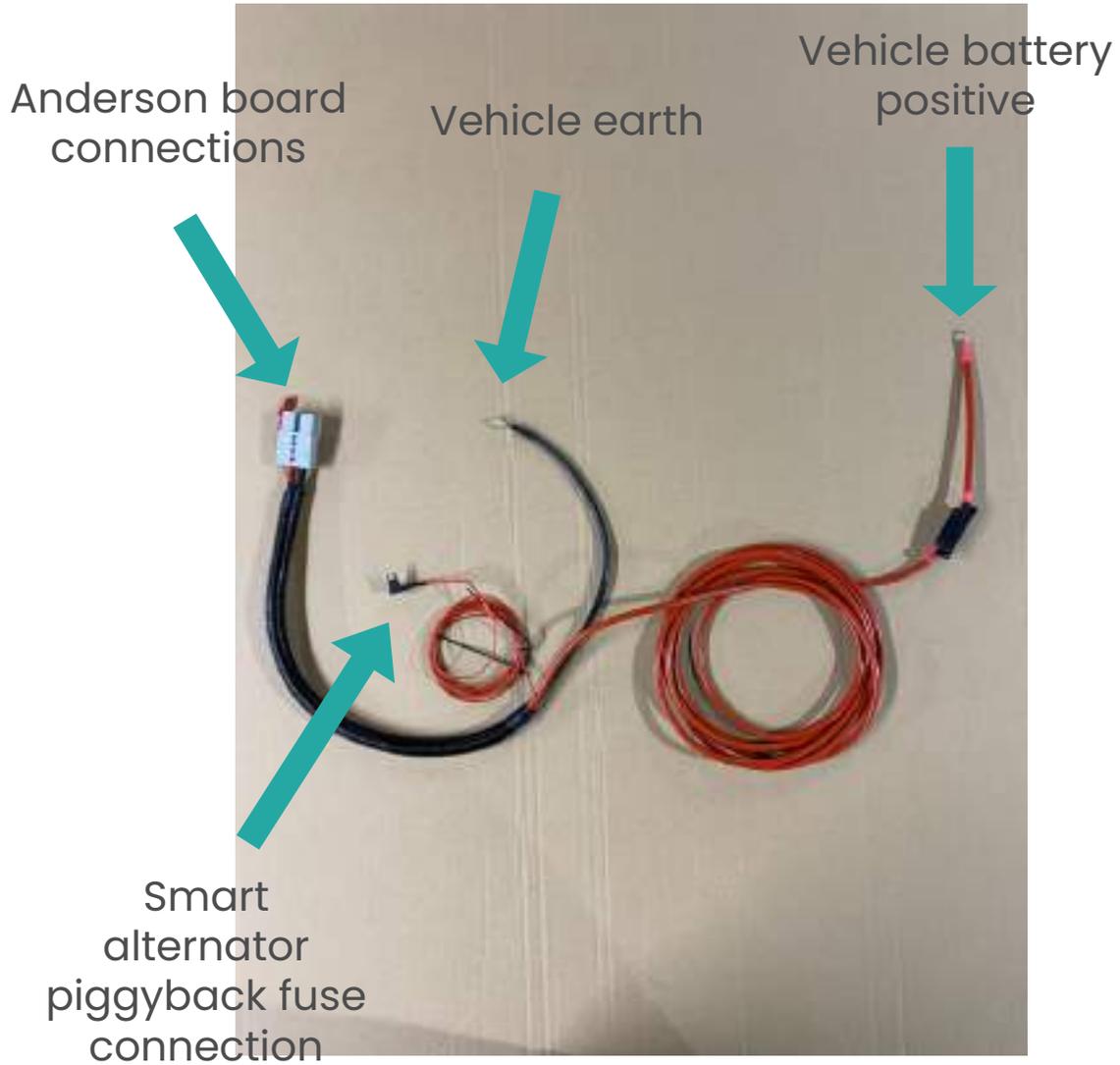


PERMANENT CABLES

The Plug and Play System is an innovative, fully removable kit that integrates all electrical components within the furniture assembly. The unique aspect of this design is the quick-release mechanism: to remove the furniture, the user simply detaches the 240V and Anderson connectors from the electrical board. It is important to note that these specific connectors are permanent components that remain fixed within the vehicle.

The he initial phase of installation requires running the necessary permanent cabling before the furniture kit is seated.





PERMANENT CABLES

Firstly, we need to connect to the vehicle battery positive. The FTC MK1 battery is underneath the driver's seat, you may want to cut and re crimp your cable to length or simply lop and stow the excess.

The VW T5 T6 battery is found in the bonnet, you therefore are required to run the cable through the fire wall to connect.

You will also need to decide where your 240 hook up will be mounted, we recommend under the bonnet to avoid cutting a hook up flap into the side of your van.

The following slides demonstrate how this is achieved on a VW T5 vehicle, other vehicle fire walls may differ in position.



SMART ALTERNATOR

From 2015 vehicles 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 a smart alternator, you are required to connect the 1mm red cable with a 'piggyback fuse' to a switch live/ ignition feed. This can be achieved by locating the fuse box found under the steering wheel or in the centre console, simply route the cable under the trims, and plug the piggyback fuse into an ignition live. See video links below for helpful tips

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

<https://www.youtube.com/watch?app=desktop&v=aIyoS5WfBF8>



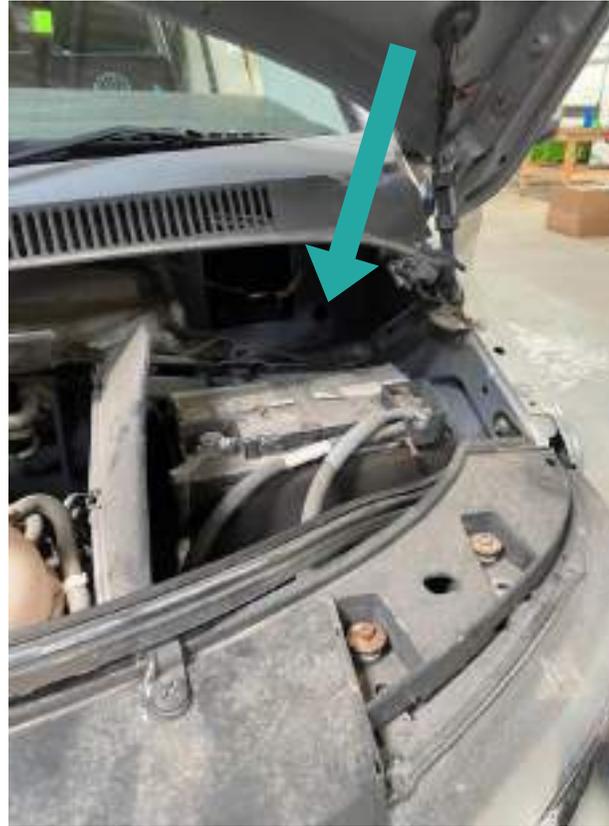


In order to feed the 240 hook (male) up through the fire wall, you will need to remove the plug then re attach when in position

CONNECTING TO THE VEHICLE BATTERY



Firstly, remove the cover above the vehicle battery



Locate the firewall hole



Fit a 25mm rubber grommet

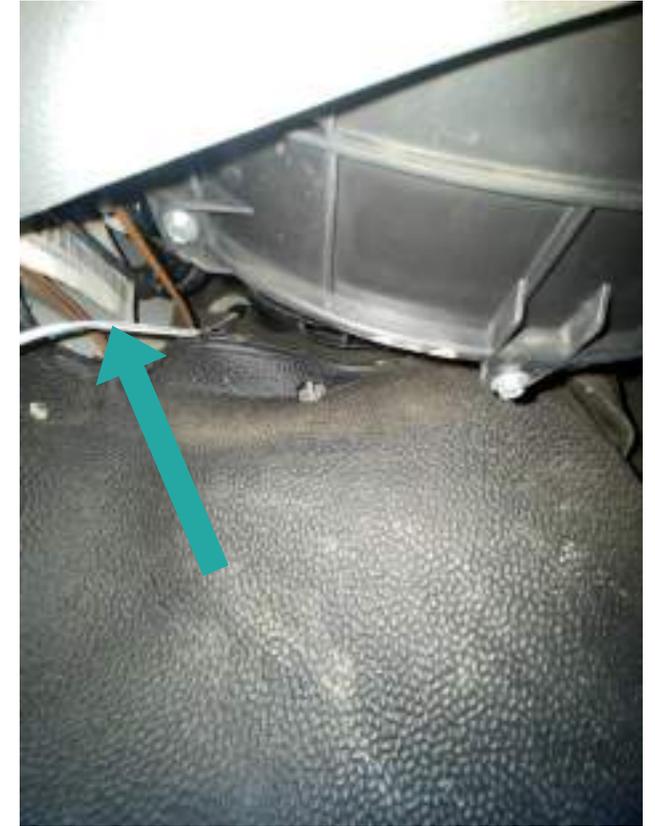
CONNECTING TO THE VEHICLE BATTERY



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

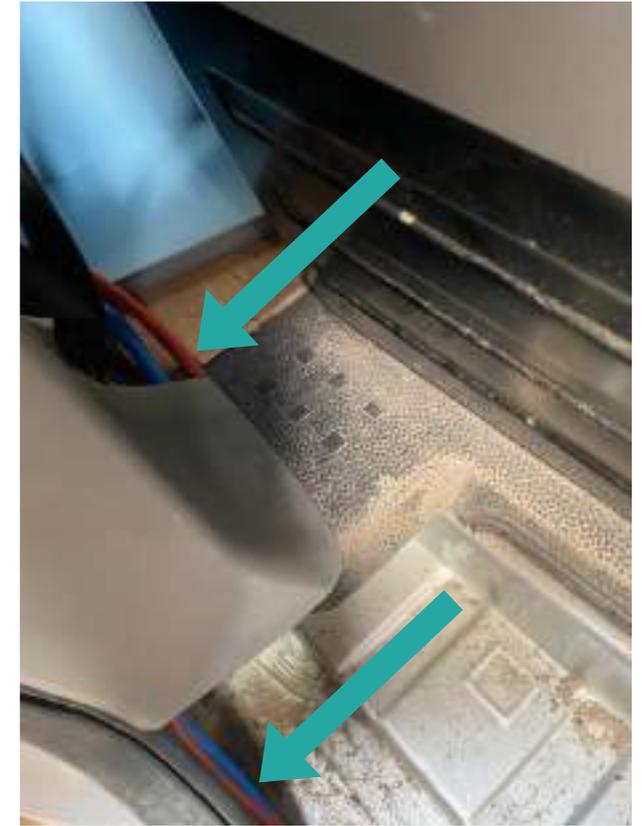
CONNECTING TO THE VEHICLE BATTERY



Remove the lower panel on the
drivers side



Remove the drivers sidestep



Feed cables underneath the pillar
trim into the sidestep. Ensure you
have left enough length to
connect to the electric board

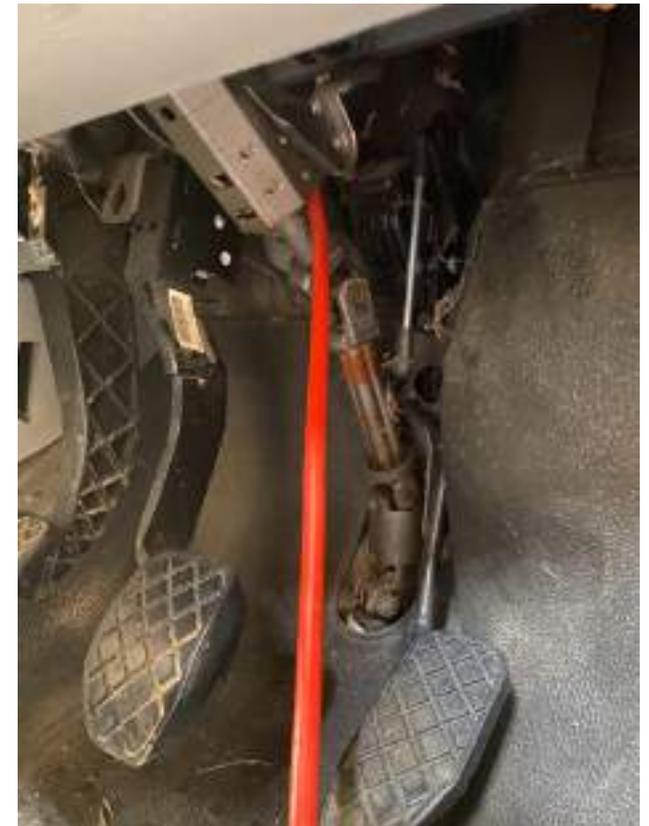
CONNECTING TO THE VEHICLE BATTERY



Continue to feed the cables
along the sidestep



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

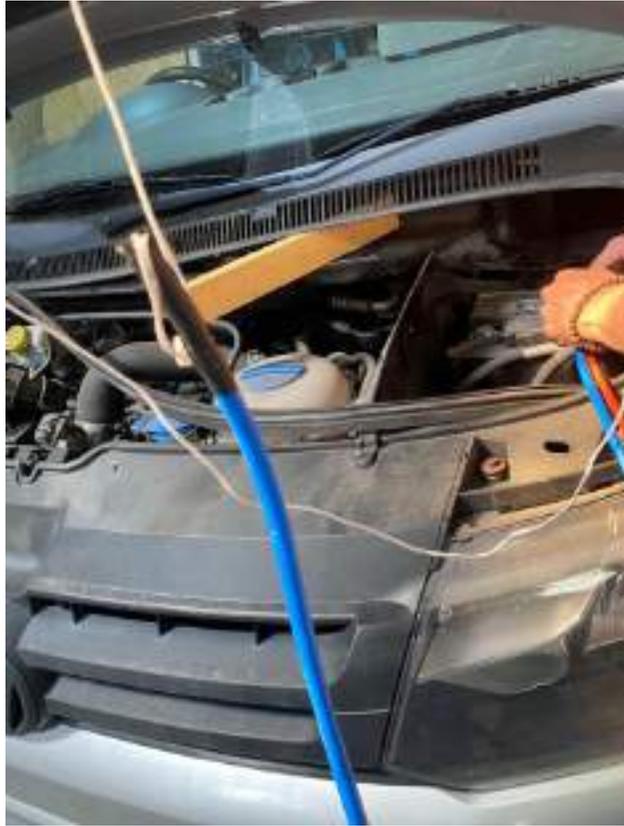


Feed the red end over and
behind the pedals and through
the centre console

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

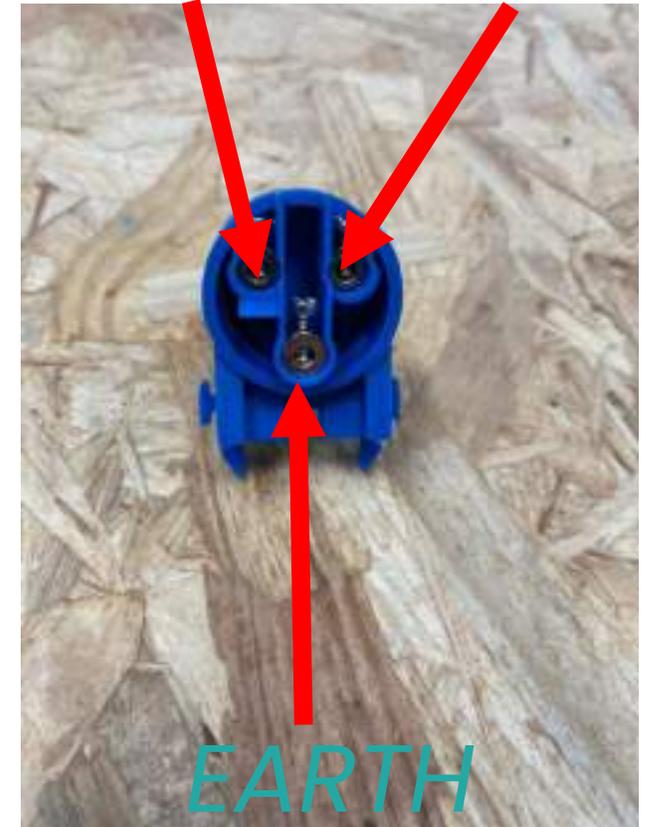
LIVE NEUTRAL



Locate the finish position
of both cables and cut
any excess



Wire the 3 core artic 240
cable to the hook up

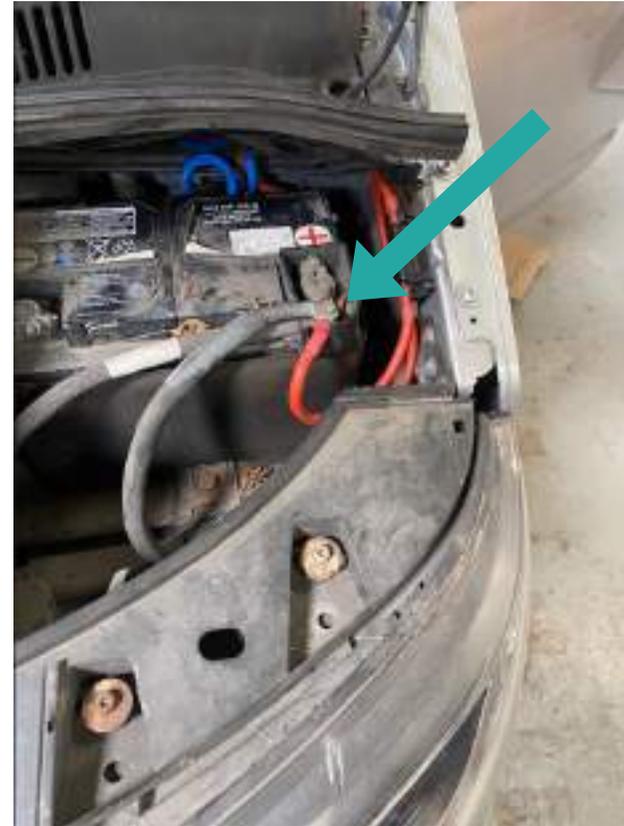


Please double check
terminals match the picture
as newer designs may differ

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

EARTH

Finally, you must connect the earth cable. Factory earth points exist under the driver's seat of both the VW and FTC, usually a stud welded to the chassis, alternatively you can use one of the seat base mounting bolts as an earth point.

BUILDING THE PLUG AND PLAY

We recommend leaving all cable ties and P-clips to the end. Once everything is in place and you are happy you can square all cables away neatly



Locate the 4 x mounting blocks and align with the electrical board



Bolt the electrical board to the end panel using 4 x 60mm bolts



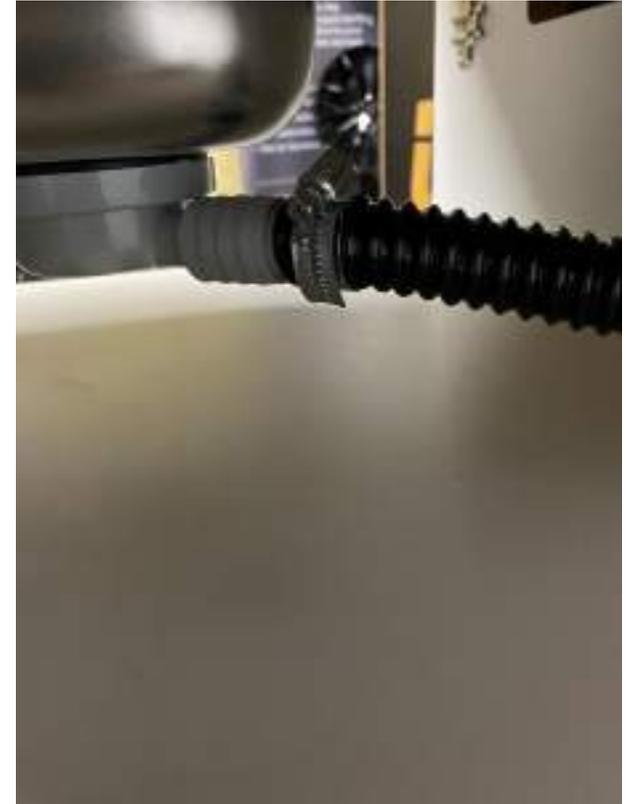
For ease of installation, remove the shelf and control panel divider (optional)

For the purpose of this manual we have left the shelf in place.



Fit the waste and plug

- Attach the waste pipe to the waste and secure with a jubilee clip





Feed the bottom loom from the electric board along the pod base



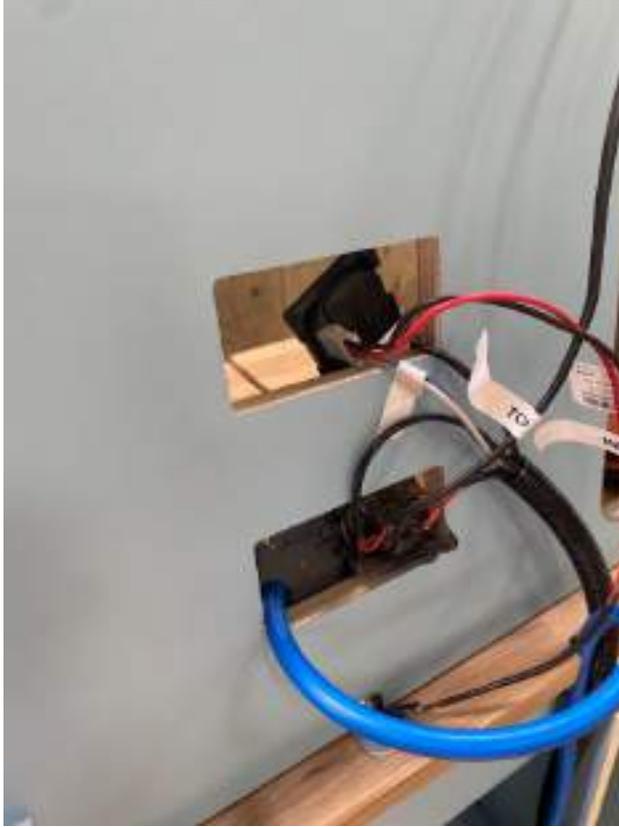
Feed the loom through the hole into the leisure battery compartment



Screw the battery tray into position with the hole on the left



Feed the top loom containing the control panel internals through the control panel cut outs on the pod end panel



Remove the back covers to allow you to feed the controls through the cut outs. **Your cut outs may differ from picture**



Re attach the back covers and clip the controls into the fixing plate. Screw into position



Clip the finishing cover plates over the top into position



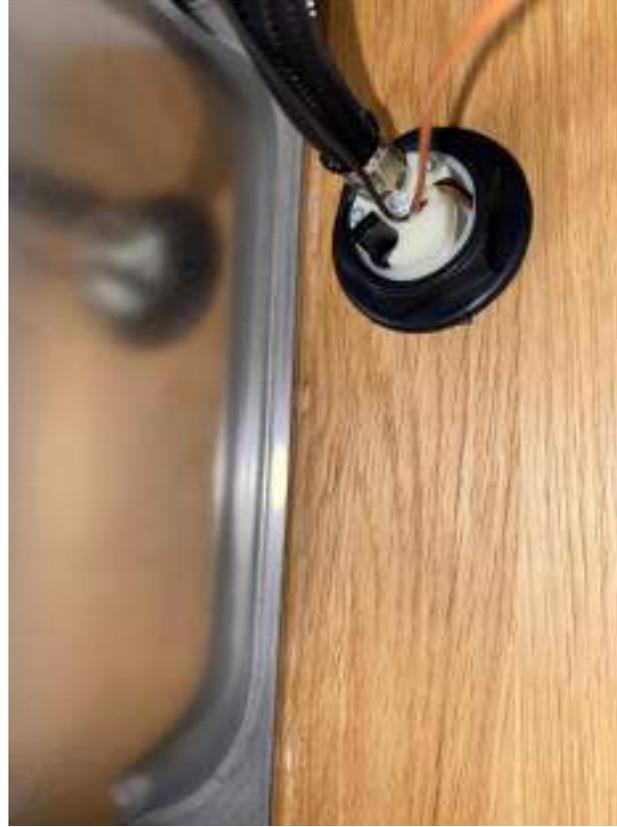
Re fit the shelf and divider and fit the 3-pin socket to the divider (ensure it's high enough to fit the induction plug)



Fit the induction hob using clear silicone and plug into the 3-pin socket from the previous step



Fit the tap into the worktop hole (you may be required to drill your own hole)



Feed the plastic nut over the tap pipe and tighten



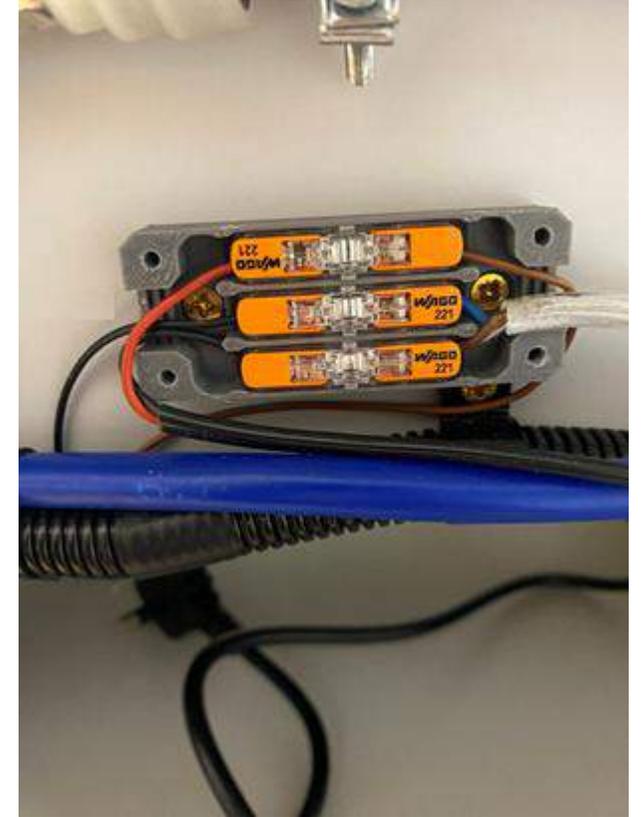
Attach the freshwater pipe to the pump with a jubilee clip, then feed through the yellow lid hole along with pump cable



Connect water pipe to tap, secure with jubilee clip

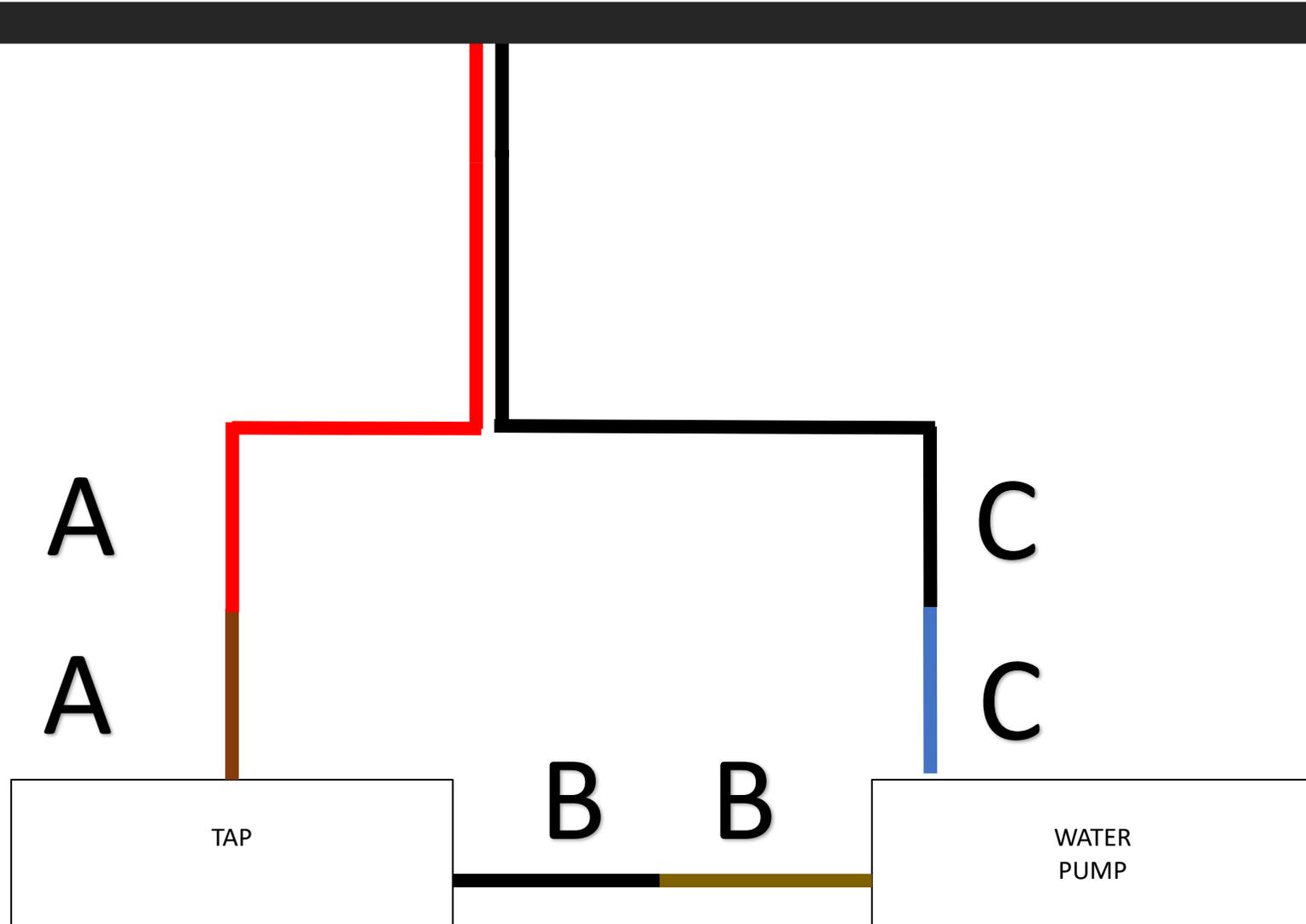


Attache both lids to water tanks



Connect the tap, water pump and top loom wires using 3 x labelled wago connectors- see diagram on next slide

Top loom





Fit the 3-way wago junction box and cover



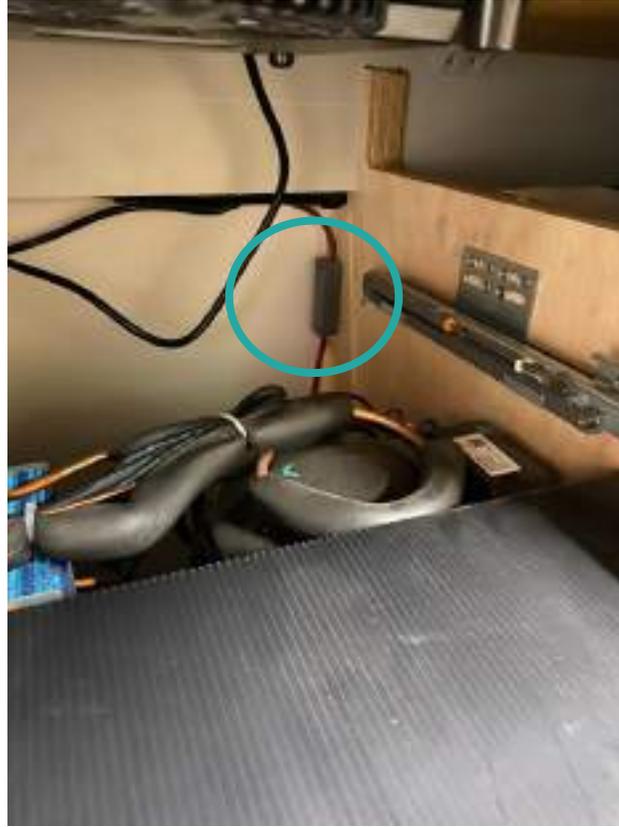
Insert fridge cables from the top loom into a 2-way wago junction box and screw into position as per picture



Organise all cables with ties and P-clips



Place the fridge into the aperture



Pull the fridge forward and remove the drawer for access wago connection access



Clip the fridge cables into the wago junction box as per picture and fit cover



Connect the top locker and
main light loom

You will need to add a
connector to your main
lighting cable. Your lights
will now function from the
control panel



Remove caps and screw through the right side into the aperture, use 25 or 30mm screws



Place the battery into the tray, secure with the strap and connect terminals. Fit the 4 x blocks circled



Finally fit the battery lid (C23)



Connect all three connectors from
- the permanent cables to the board

TEST

Before securing your furniture to the vehicle, check all components are working correctly

PLUG AND PLAY



On completion of the test, Diss connect all three connectors from the permanent cables to the board

PLUG AND PLAY

You can now return to slide 74 for fitting the uSeat.

- On completion you can reconnect your eclectic board

We recommend disconnecting the leisure battery when and if removing the units from the van