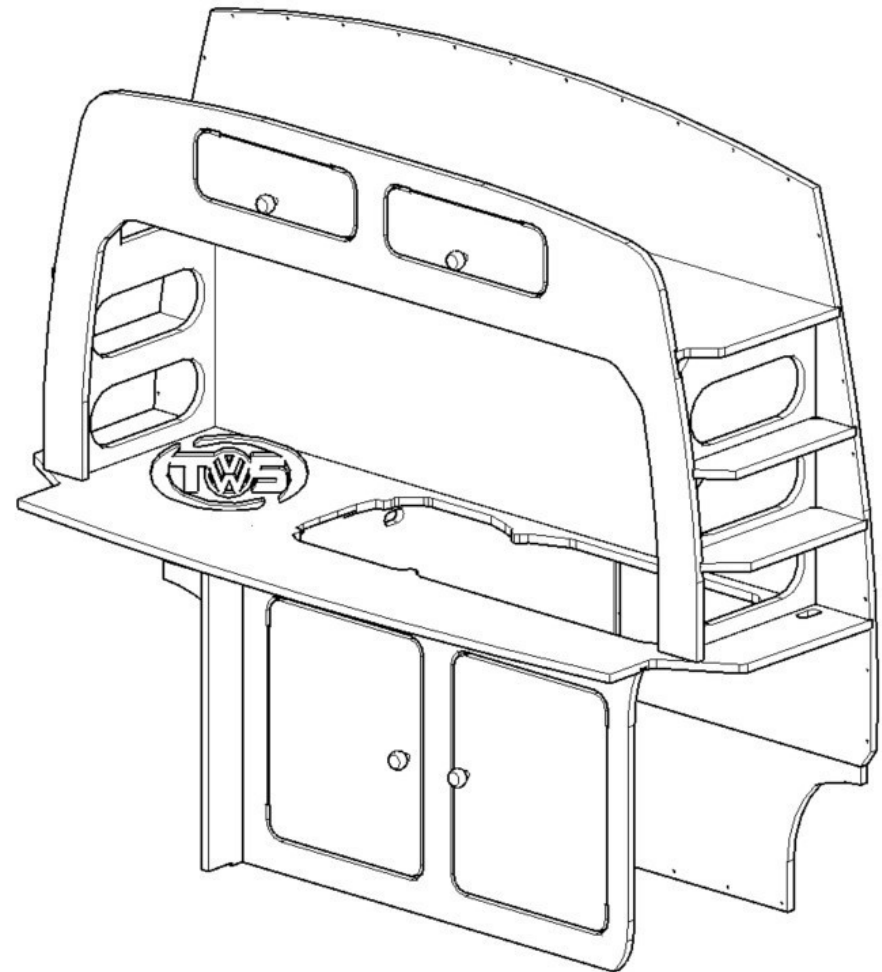


# T5 Engineering VW T5, T6 Back Facing kitchen Assembly Instructions

- [www.T5E.co.uk](http://www.T5E.co.uk)



# what's Included in your kit

- 3 sheets of pre-cut white laminate ply wood
- 1 sheet of pre-cut worktop laminate ply wood
- 2 sheets of pre-cut pattern laminate ply wood
- 0 qty small angle brackets
- 0 qty large angle brackets
- 120 qty 40x4mm wood screws inc extras
- 80 qty 25x4mm wood screws inc extras
- 50 qty 25x3mm wood screws inc extras
- 20 qty 15mm wood screws inc extras
- 2 qty piano hinge 250mm long
- 2 qty piano hinge 315mm long
- 20m of knock on edging (some extra)
- 8 qty Magnets 62mm
- 4 qty door knobs



Large angle Brackets

Small angle Brackets for Drawer only



40x4mm screw  
For joins into edge of ply board

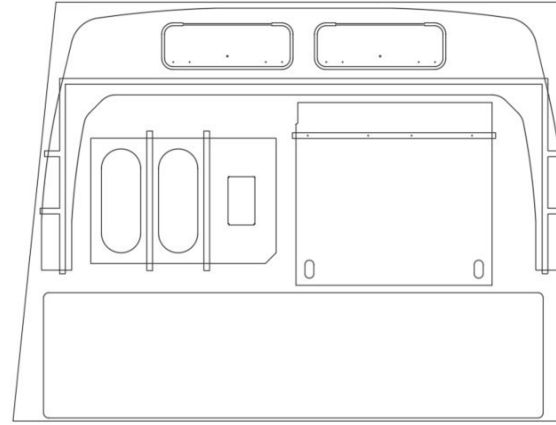
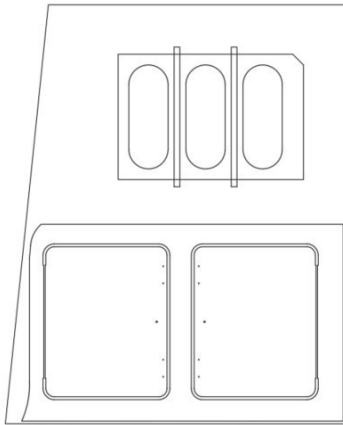
24x4mm screw  
For joins into face of ply board

25x3mm screw for piano hinge and fixing the plastic magnet blocks

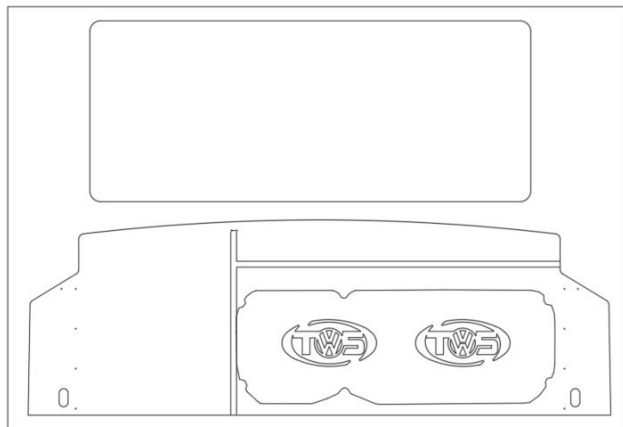
15x3mm screw for fixing the angle brackets and brass magnet strips

# what's Included

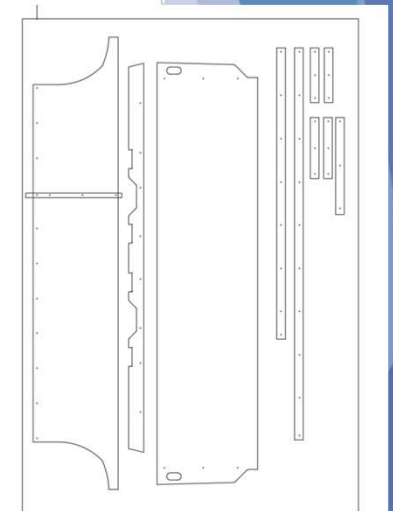
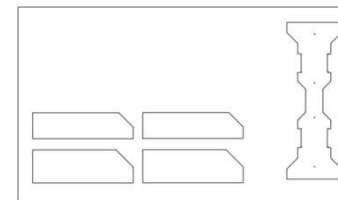
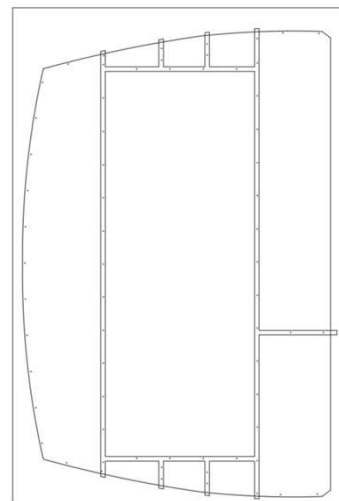
QTY 2 PRE-CUT PATTERN BOARD



QTY 1 WORK-TOP BOARD



QTY 3 WHITE BOARD



# What you will need

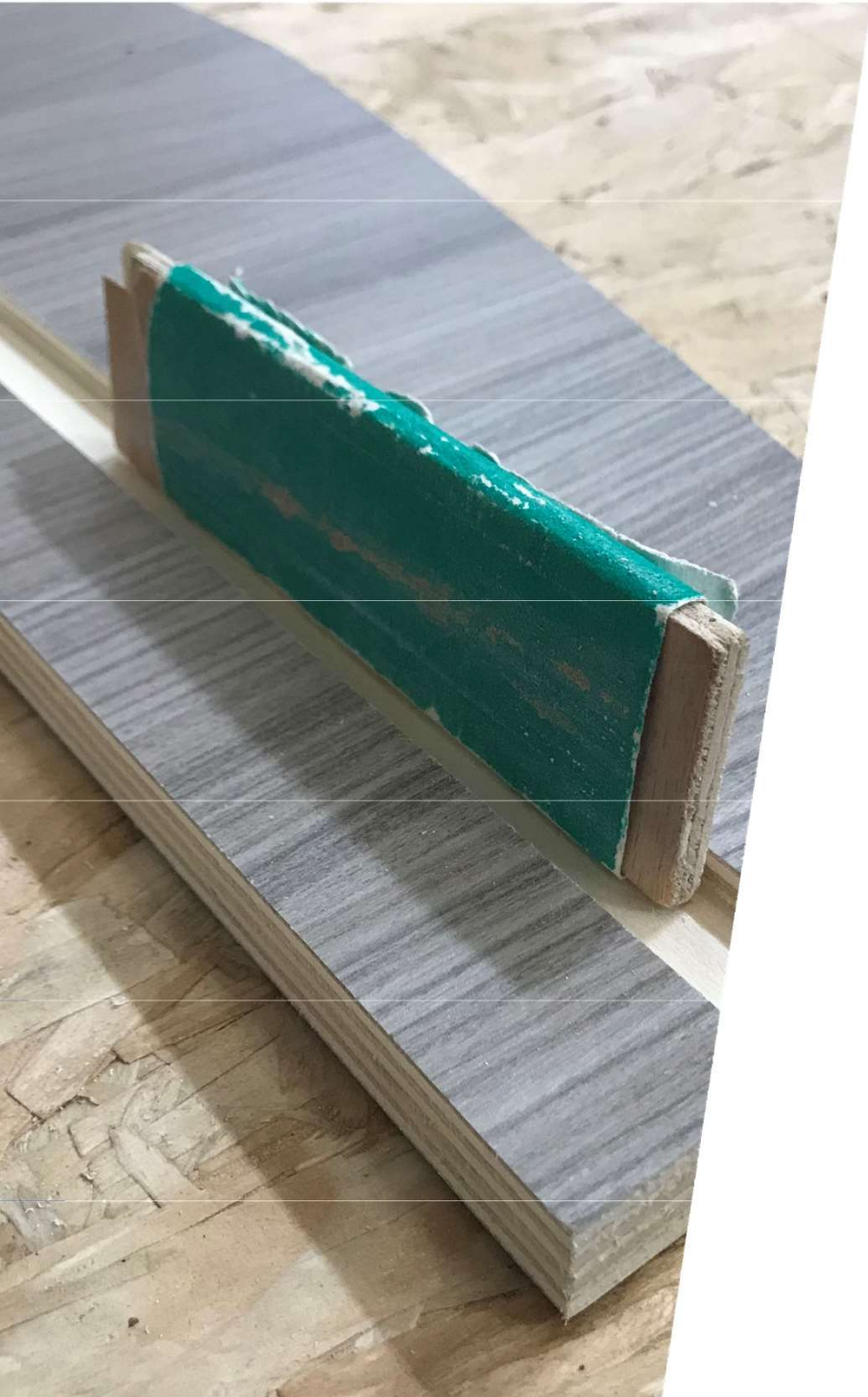
- Battery screw driver
- Hand screw drivers
- sand paper
- Wood glue
- Electric Router
- “T” slotting cutter bit. (3mm width cut, 9.5mm cut depth) with guide wheel. Available from Morland UK
- Masking tape
- Nylon or wood mallet (small)
- Hand saw
- Jig saw
- Craft or Stanley knife
- Carpenters hand clamps/ grips
- Tape measure
- Carpenters Square
- Smev 9222D sink hob (gas on the left, taps on the right)
- Table leg or rail support
- Tambour door (optional)



# Preparation

- Create a clear flat work area to assemble the kit
- Do not assemble on concrete or uneven abrasive surfaces that will scratch the panels
- Unpack the pre cut sheets and carefully remove them one at a time
- Use the “what's included” list on the second page to ensure you have received all parts needed
- Inspect the sheets for damage that may have occurred during transport. If any damage has occurred notify T5 Engineering before removing any of the location tabs. Damaged parts that have been removed from the outer stencil via cutting the location tabs may not be replaced free of charge by the carrier. Damage around the outer stencil won't affect the kitchen, its only there to protect the inner kitchen parts during transport.
- Use a fine saw or craft knife to cut the location tabs and free each part of the outer stencil. Take care to not scratch the surface of the laminate. If you're using a jig saw, use a fine blade and ensure that the surface of the material is protected with masking tape so it wont scratch the surface of the laminate





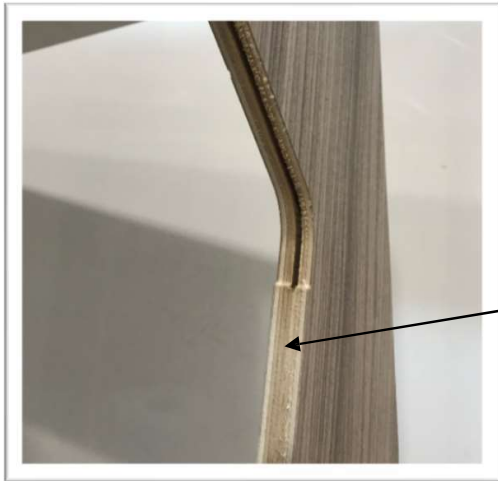
## T5 Engineering VW T5 or T6 kitchen Assembly Instructions Assembly

# Preparation

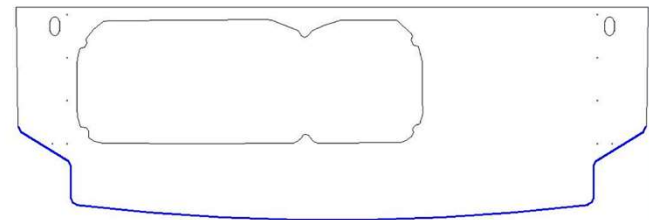
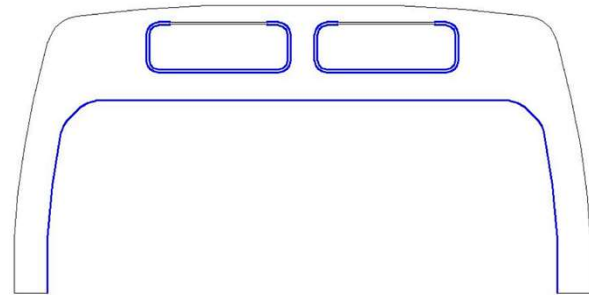
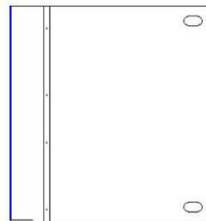
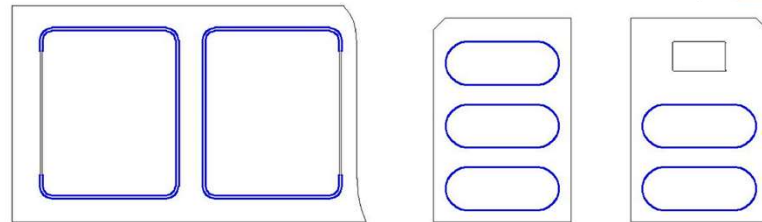
- Use sand paper or a wood file to reduce the remains of the tab down to the surrounding profile of the part. When sanding be careful not to splinter the laminate away from the wood that will be visible on the finished part. It is critical that these tabs are removed completely as they will affect the fit of the assembly when it comes to gluing the recesses together
- Use the sand paper to carefully remove any residual wood fibres around the edge of the part
- Make a sanding block from a thin piece of board wrapped in sand paper to clean any residual wood fibres from the corners of the recesses
- Take the time to ensure you have removed all tab stubs and residual wood fibres. Poor preparation will show in the finished assembly
- Repeat the process on all parts and lay them out where you can visibly identify them as you go through the build process
- Don't discard the outer stencil until the build is complete. It can be used for making packers and it will be needed as a test piece for setting up the slotting cutter in the router to cut central to the panel

# T5 Engineering VW T5 or T6 kitchen Assembly Instructions **Assembly**

- Identify the below parts. These are taken from the pattern board only
- The edges shown in Blue are the edges that require slotting with the router ready for the knock on edging. Use a pencil or masking tape to identify the edges shown in blue on the panels themselves
- Every door and door frame has a raised edge to help you position the hinges correctly. Ensure you don't rout a slot into this raised surface as it will remove the material needed to screw and fix the hinges correctly
- All slotting can be completed but don't install the knock on edging at this stage. It may become damaged and marked while assembling the rest of the kitchen and the wood clamps will deform it unevenly.



Don't slot this raised edge on any door or door frame



# Assembly

- When setting up the slotting tool in the router it is crucial to ensure that the center of the cutter is central to the 15mm board. Before slotting any of the finished panels take the time to practice on a piece of the waste outer stencil and finely adjust the height setting on your router to get it precisely central. Failure to set the router depth correctly will result in the edging leaving one edge of the panel exposed and overhanging the opposite edge. As shown below



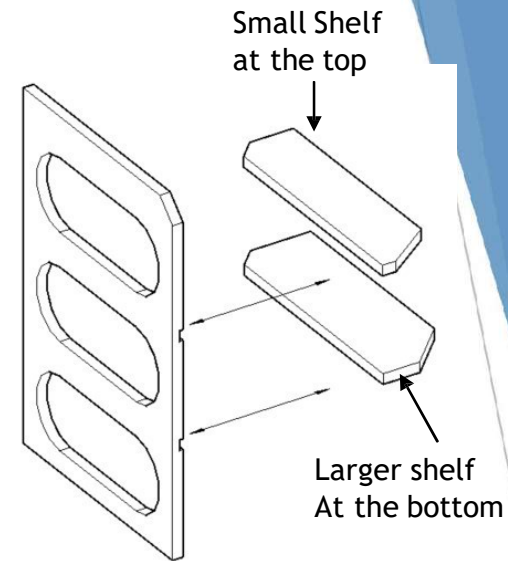
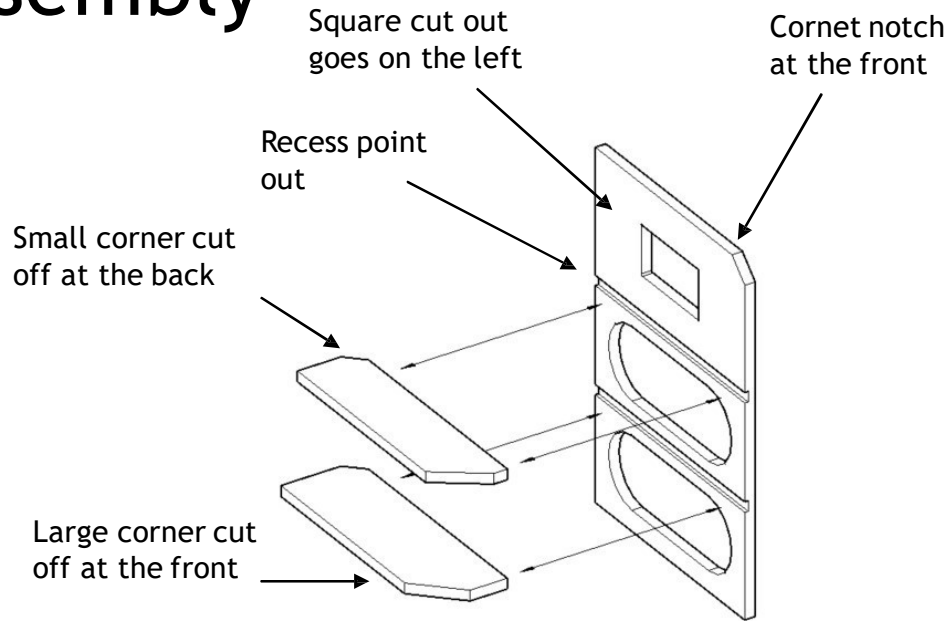
CORRECT



INCORRECT



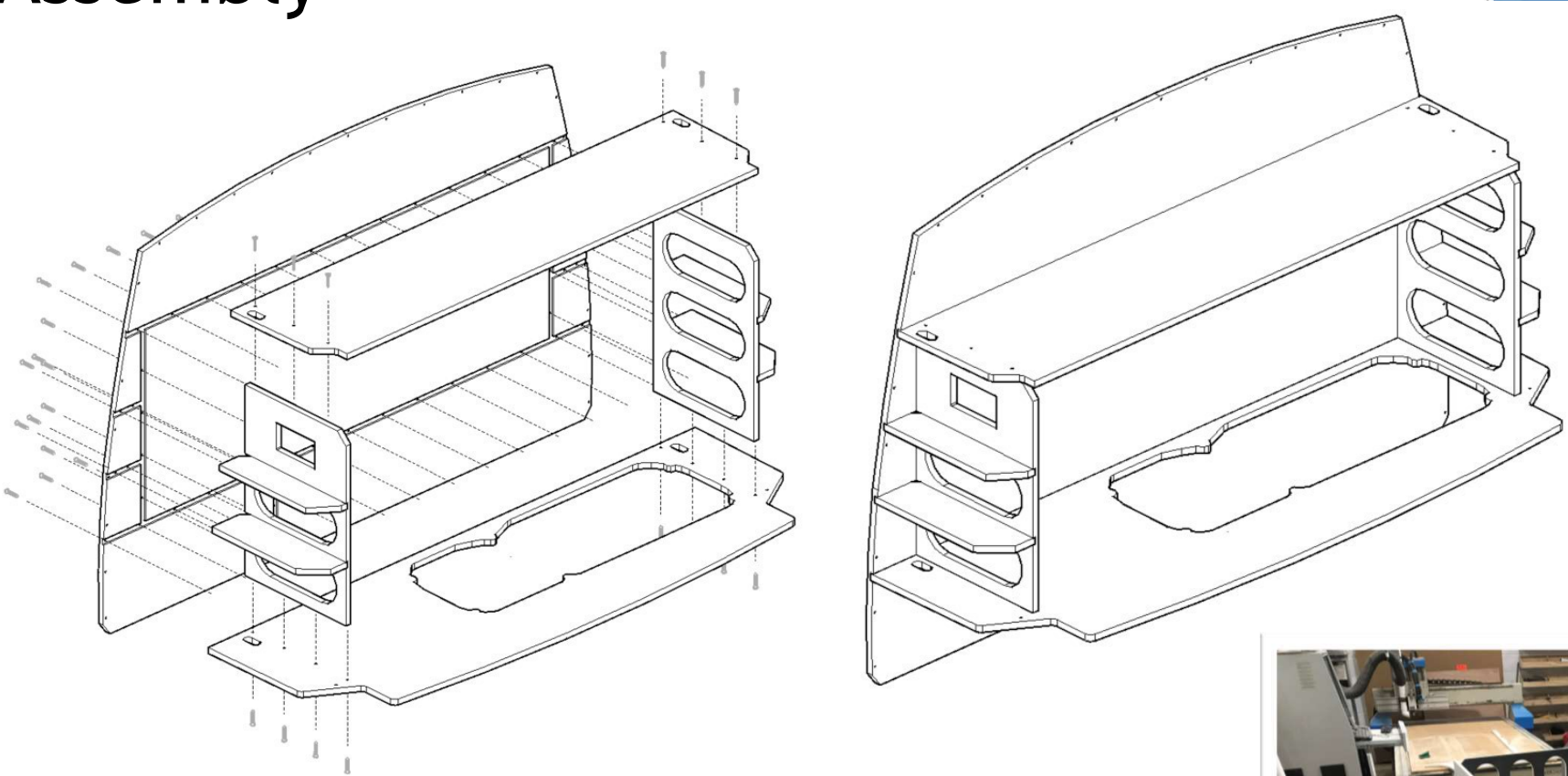
# Assembly



- Identify the parts shown
- The small corners are cut off in the back to allow you to run wires through the shelving if you wish. If you wish to put lights in the shelves you should drill any holes prior to assembling the shelves
- Apply a layer of wood glue to the recessed edges
- Put the shelves into the recesses as shown



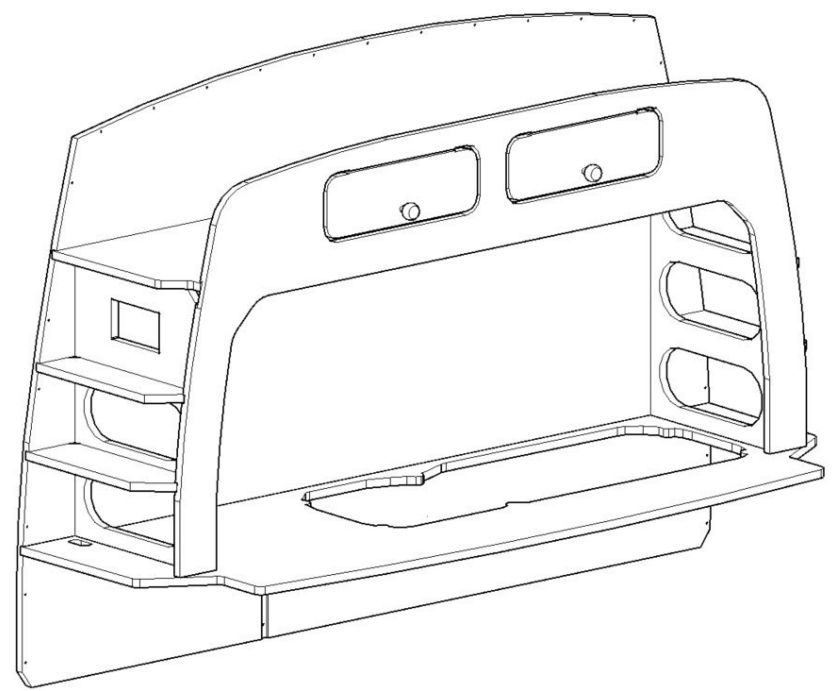
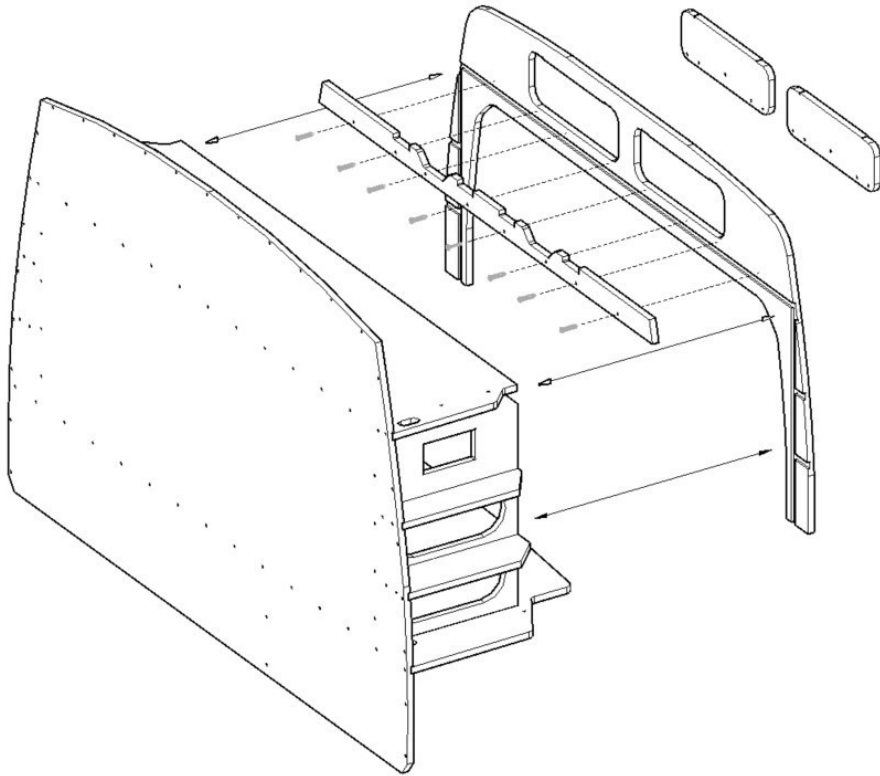
# Assembly



- Take the upper part of the bulkhead board and apply a layer of glue to the recess
- Install the worktop and shelves into the recess in the order displayed. Ensure that the worktop has the recesses pointing down.
- Don't screw anything until or parts are in the recess
- Using the 40mm screws fix the shelves through the bulkhead pre-drilled holes from the back
- Using the 40mm screws fix the worktop to the vertical shelf cover from beneath
- Using the 40mm screws fix the overhead shelf to the vertical shelf cover from the top

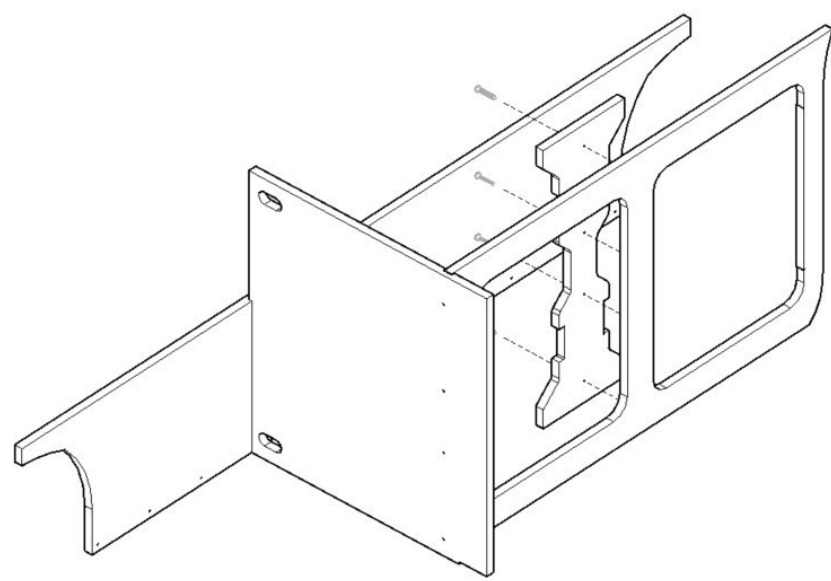
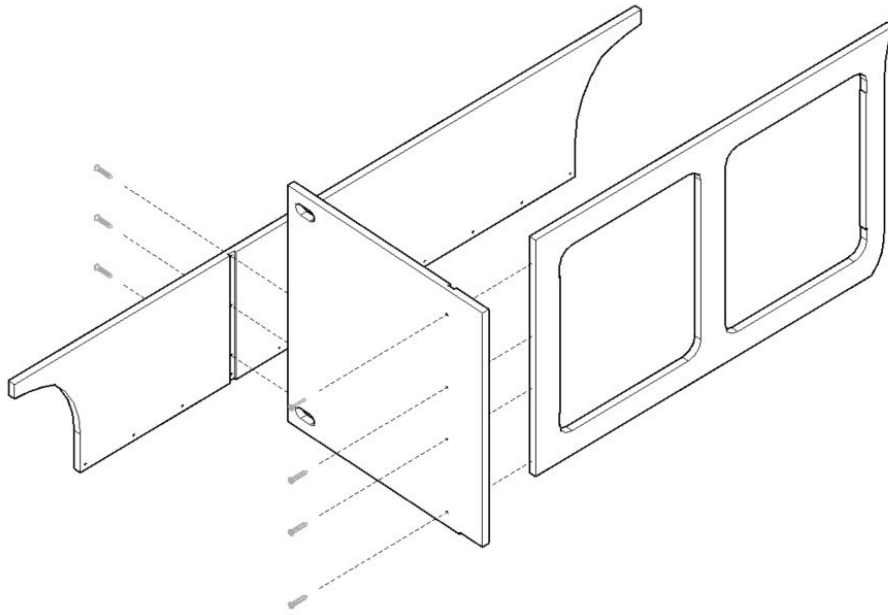


# Assembly



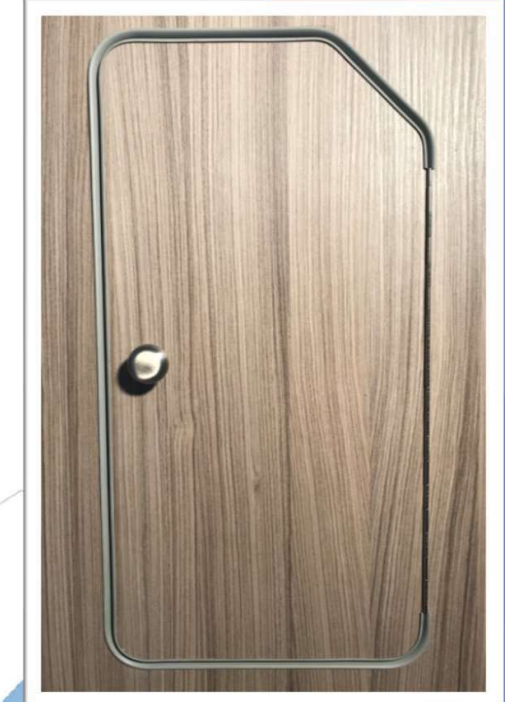
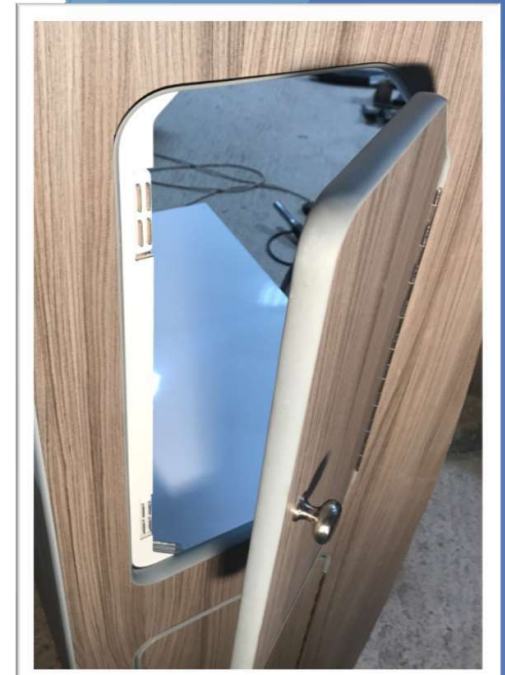
- Take the kitchen front facia and apply a layer of glue to the recessed surface. Install it onto the front of the kitchen and use the wood clamps to firmly hold it while the glue dries
- Use the 25 x 4 mm screws and fix the door stop strip on the inside of the facia.

# Assembly



- Take the lower part of the bulkhead and the divider between the fridge compartment and the kitchen. Apply a layer of glue to the recessed edge and fix using the 40mm screws with the edges flush in the bottom
- Take the cupboard front and apply a thin layer of glue to the recessed edge on the dividing wall.
- Fix the kitchen front to the dividing wall and use the 40mm screws to fix in the pre-drilled holes
- Fix the door stop to the inside of the cupboard front. The edge of the door stop should line up with the edge of the door frame

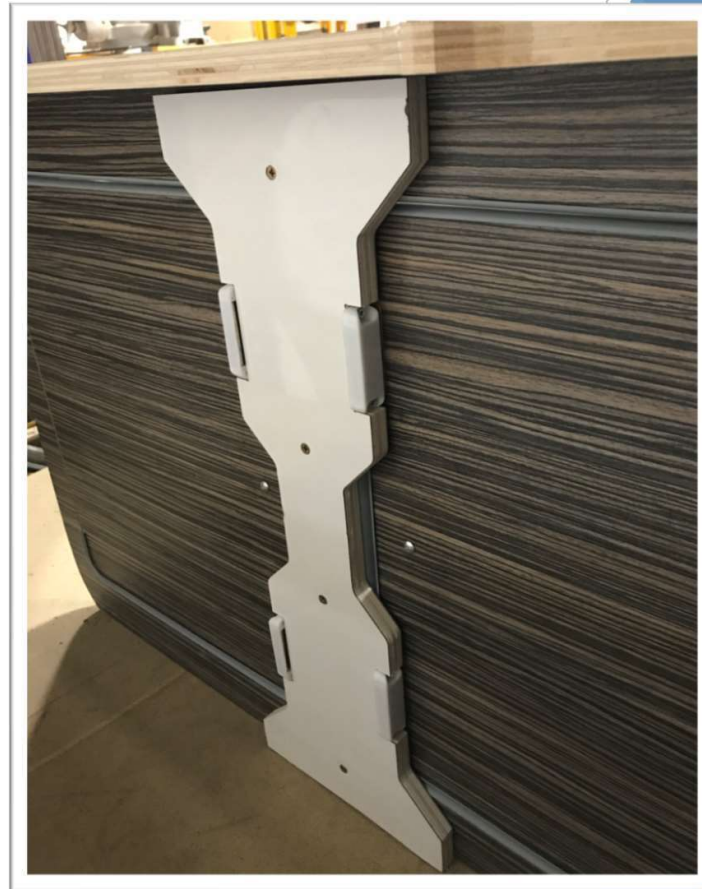
# Assembly



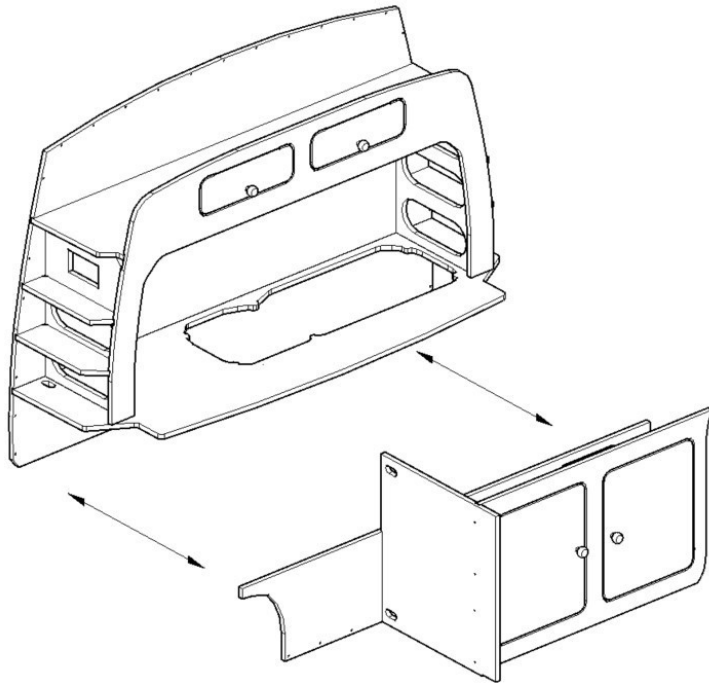
- Now that the two main assemblies are together we can complete the knock on edging.
- Using a flexible tape measure record the lengths of edging and add on a small amount over overlap to trim in situ.
- For both internal and external corners it is necessary to notch out the tongue of the knock on edging so that it can contour around the tight radiuses. This can be done with a craft knife or snips. Take the edging and snip out three small triangles as shown.
- Use a wooden dolly or soft mallet to gently tap the edging into the recesses. Don't use a steel hammer or anything sharp that will mark the edging.
- For doors try to get the joint of the edging along the bottom where it cant be seen. For door openings try to get the joint along the top for the same reason.
- Where the edging meets an end or overlaps itself, snip 5mm of the tongue off at the end so that they butt up neatly
- Make sure that the edging follows the edge of the wood neatly all the way. Any deviation will prevent the doors from closing properly.

# Assembly

- To install the hinges, first line up the pre-cut piano hinge with the matching raised surface along the back of the door and door opening. Back fold the hinge over the door and check that the hinge sits perfectly on the raised edge to ensure that the door opens centrally. Check that you screw the hinge on the right way around, The doors will all have holes pre drilled into the inside to take the magnet strips.
- Fix the magnet strips to the inside of the doors using the 15mm screws in the pre drilled holes and don't overtighten them.
- Hang the door in the door opening on two screws only, check it can close centrally before installing the remaining screws. There is some play in the screw holes and It can be fiddly the first time! check that the door has the same gap all the way around and that the edging does not contact. A small amount of contact in the edging will wear in after time as long as the door can be closed flush without using force.
- Fix the plastic magnet blocks to the door stops in the pre cut slots provided using the 25x3 mm screws. Fix them loosely so that the magnet can still slide on the screws.
- Take the door stops with the magnet blocks semi fastened and position on the inside of the door frame. Each door stop has a set place so familiarize yourself with which is which. Use the 25x4 mm screws to fix the door stops in position. The door stop edge should sit flush with the edge of the door frame however the edging can sometimes obstruct it slightly. Take the time to position the door stop and check it against the magnet strips before screwing it in.
- When the door stops are in position, close the door and push the loose magnet against the magnet strip, then tighten the magnet strip to prevent the magnet from moving.
- A correctly hung door should be able to close and remain closed with a gentle push. Slamming the door will usually bounce it back off the magnet



# Assembly



- Take the lower assembly and put it into the van from the back. Depending how the van has been lined and carpeted the lower half of the back board may need to be trimmed to fit but don't fix the assembly to the van yet
- Take the upper assembly and bring it into the van from the side door. You will need 2 people to do this without damaging the assembly. Try to bring the assembly to marry up to the lower assembly, the back board and side shelves may need to be trimmed depending on how the van was lined and carpeted. Use a pencil to scribe around the edge of the back board to the shape of the van and trim down the edge of the back board until the upper assembly can fit all the way to the back of the van. The upper assembly has a recess on the underside of the kitchen worktop to take the vertical dividing wall
- The kitchen should be brought far enough back into the van that you are left with a 10-15mm gap between the lining panel on the back door/ doors. Also check that your rock and roll bed has the required space to open without hitting the back of the front seats.
- Once your happy with the position if your kitchen use the pre drilled strips and screw them as a kicker board along the floor, up the sides from within the cupboard and along the roof line from inside the overhead compartments you may find it easier to mark the line with a pencil and push the kitchen back slightly to provide enough room to use an electric screw driver. Once the kicker board is fastened, screw the back board to the kicker boards from the back of the kitchen using the 40mm screws in the pre-drilled holes. You may need to drill more holes if you scribed and trimmed the back board excessively
- Finally put a strip of kicker board behind the vertical lower kitchen cupboard face to prevent it from being forced back and breaking

# Assembly



- ❑ If you have a pop top roof you will need to cut the top of the back board flat so it doesn't clash with the roof bed. You can either box off the overhead cupboard from the back or edge the plywood and make it accessible from inside the van as a feature
- ❑ You can cut socket points and the electrical control unit into the back board if you wish
- ❑ The back of the back board should be carpeted the same as the rest of the van
- ❑ A bed board has been provided in the kit. You can fix this to the front legs of the bed or hinge it depending on your bed style.
- ❑ The table is included in the kit. The table can be installed either via the rail and fold down leg system or by a free standing leg that slots into a low profile receptacle on the van floor. Table leg and fastening system are not included.



## T5 Engineering VW T5 or T6 kitchen Assembly Instructions

