

## EUROPA XS - UPHOLSTERY KIT

The kit consists of the following components

Part no	Material	Description	Size	Quantity
EU 0001	Alcantara	Rear bulkhead (outer panel)		1
EU 0002	Alcantara	Main over head panel		1
EU 0003	Alcantara	Rear recessed panel		1
EU 0004	Alcantara	Fuel filler cover		1
EU 0005L	Alcantara	LH Screen section bottom		1
EU 0005R	Alcantara	RH Screen section bottom		1
EU 0006L	Alcantara	LH Screen section top and lower door	"L" shaped	1
EU 0006R	Alcantara	RH Screen section top and lower door	"L" shaped	1
EU 0008	Alcantara	Over head cover panel		1
EU 0010/11	Poly foam	Rear carpet (foam backed)		1
EU 0012	Basstex	Backrest and pod cover	54" x 40"	1
EU 0013	Basstex	Centre console	50" x 40"	1
EU 0014	Basstex	Side panels	65" x 20"	2
EU 0015	Basstex	Inside heel kick panels	15" x 15"	2
EU 0016	Basstex	Front footwell face	15" x 15"	2
EU 0017	Basstex	Floor panels	20" x 50"	2
EU 0018	Basstex	Floor footwell	15" x 15"	2
EU 0019	Basstex	Inner headrests pocket	20" x 20"	2
EU 0020L	Hide	Headrest pod LH		1
EU 0020R	Hide	Headrest pod RH		1
EU 0022	Hide	Seat base cushion		2
EU 0023	Hide	Backrest cushion		2
EU 0024		Seat base filler cushion		2
EU 00??	Hide	Control Column Boot + Velcro		2
EU 00??	Composite	Control Column Boot mount		2

### Notes

1. All parts should be labelled.
2. EU 0004 is used to cover the optional fuel inlet hose cover (F23) which must be ordered separately
3. EU 0020 L and R may be ordered with or without the leather cover glued on. If access to the storage areas in the headrests is required builders should order then uncovered. After cutting the composite shell to match the hole in the headrest the leather cover may be glued in place.
4. EU 0012 is marked (on the back) with a line indicating the centre line of the tank area
5. Leather may be ordered as an option for EU 0013 (centre console)

## Additional materials

You will need to obtain locally:

- 5 or more 600ml cans of a good quality, heavy-duty spray upholstery adhesive.
- A white fabric marker pencil.
- 2 x 6inch plastic cable ties to attach the control column boots to the column.

You will also require a small amount of Redux 420 to attach control column boot mount to the floor.

## Setup

- The instrument panel will need to be removed prior to installing the interior trim. It will be necessary to release or remove the fuel cock, choke, the throttle, undercarriage and brake levers on the centre console. Remove the fuel cock access panel and the seat belts.
- Decide exactly where the main horizontal joint between Basstex carpet and Alcantara will be made. This is designed to occur with the edging just below the doorsill. Sufficient material is provided to allow this to be moved down sufficient to cover any cable ducts you may have installed. Trial fit EU 0006 to check this.
- All the edges of the Alcantara that are visible when installed are bound. If you find you are about to cover a bound edge your panels are not overlapped correctly.
- Mask adjacent areas with paper and paper tape when using spray adhesive. In particular, ensure that the inside of the windscreen and any upholstery already installed is protected. It is very easy to misjudge the angle of the spray can nozzle and spray outside the area intended. The most suitable solvent for MOST glues of this type is white spirit.
- **Always dry-fit all pieces before applying adhesive.**
- Make sure the area is well ventilated when using spray adhesive.
- Spray and fit small areas at a time so that the fabric can be adjusted as necessary.
- Remember the materials can, in general, be pulled **carefully** off the glue without damage even when it is dry.
- Incorrect cuts in the Basstex carpet will, in general, be invisible once it is glued into position
- Incorrect cuts in the Alcantara are difficult to conceal.
- Velcro sticks hard to Basstex carpet and need to be removed **carefully**.

## Order of installation

- Start with the pieces that can be covered outside of the fuselage to get the feel of the fabric and the techniques.
- In general, the installation is designed to be from the top down and from the front and rear extremities towards the middle. Spilt glue never falls upwards!
- Working in the order set out below will ensure that, at all points of overlap, the bottom layer has been installed first. Feel free to work in any convenient order but do make sure the panels overlap correctly.

### **Rear recessed panel (EU0003 - Alcantara)**

1. Turn the made up fabric inside out and trim the seams to ¼” from the stitching to reduce the bulk.
2. Mark the vertical centre line of the back of the panel and the fabric.
3. Lightly spray and “tack- glue” the top centre of the fabric to the centre line of the panel and check the fit.
4. Lift the fabric and, working from the centre outwards and downwards, spray small areas of the fabric at a time and smooth it onto the panel, stretching it to keep it taut and wrinkle-free. Work the seams into the corners of the recessed area leaving the spare seam fabric facing forward.
5. When the recess is complete, spray small sections of the fabric at a time and stick to the flange. Due to the curved edge the fabric will curl over the edge of the flange.
6. Check the front of the panel for wrinkles.
7. Slash the overhanging fabric to within ¼” of the edge of the flange to ease the tension in the fabric round the curve and cut triangles out at the corners so the fabric will lie flat. Spray and press the overhanging fabric on to the back of the flange.
8. After a few minutes for the adhesive to go off, trim the overhanging fabric back to ½” from the edge with a sharp blade.
9. Carefully cut round the seven holes use to mount the panel and check the fit of the MS24693-S272 screws and Tinnerman washers. Adjust if required.

### **Fuel Filler cover (EU0004 - Alcantara)**

1. Turn the made up fabric inside out and trim the seams to ¼” from the stitching to reduce the bulk.
2. Tack the centre of the fabric to the front face of the moulding (F23) in 2 or 3 places and check the fit.
3. Peel the fabric back, spray and smooth the fabric onto the front face of the moulding, stretching it to keep it taut and wrinkle-free. Make sure that the seams are on the corners with the spare seam fabric facing down the sides.
4. When the front face of the moulding is complete, spray small areas of the fabric at a time and smooth it onto the sides of the moulding, stretching it to keep it taut and wrinkle-free. Use plenty of adhesive on the concave area of the moulding and press home well. The fabric will curl over the edges of the moulding.
5. Check the front of the panel for wrinkles.
6. Slash the overhanging fabric to within ¼” of the edge of the moulding to ease the tension in the fabric round the curves and cut triangles out at the corners so the fabric will lie flat. Stick the overhanging fabric to the back of the moulding.
7. After a few minutes for the adhesive to go off, trim the overhanging fabric back to ½” from the edge with a sharp blade.

### **Rear bulkhead outer panel (EU0001 - Alcantara)**

1. Mark the centre of the rear bulkhead from top to bottom. Fold the fabric piece in half and mark the vertical centre line.
2. Tack 1” below the centre top of the fabric to the top of the bulkhead and stretch it downwards so that it overlaps onto the floor by at least 1” and tack. Check the fit.

3. Starting at the centre top, peel back the fabric, spray a small area at a time and smooth it onto the bulkhead, stretching it to keep it taut and wrinkle-free.
4. Lap the fabric onto the floor, roof and sides of the fuselage, using plenty of adhesive on the corners and trim to ¾". The joint to the roof will be covered by the bound edge of the overhead panel (EU 0002).
5. Run a finger round the centre cut-out for the rear recessed panel and mark the edge. Trim to the edge of the cutout with a sharp blade. Note: there is no need to wrap the edge of the cutout, as the flange of the recessed panel will cover the edge.
6. Install the rear access panel (EU0003) with the MS24693-S272 screws and Tinnerman washers provided.

### **Main over-head panel (EU0002 - Alcantara)**

This is probably the most inconvenient panel to fit. It will probably take two or more goes to complete, as the upholsterer will be lying on his/her back in a confined space, covered in folds of the fabric!

1. This panel has one bound edge that will be located against the edge of the rear bulkhead (EU 0001). Mask the edges of the rear bulkhead fabric so it is not marked by adhesive spray.
2. If there is cabling or duct along the roof make sure they are firmly attached.
3. Trial fit the fuel filler cover and mark the edge to show the area the over-head panel fabric must reach.
4. Mark the centre of the roof longitudinally. Fold the over-head panel fabric in half longitudinally and mark the centre line.
5. Tack the centre of the fabric to the centre line on the roof. Working downwards, spray small sections of the roof around the rear bulkhead and the fabric and stretch and press into place, making sure that the bound edge sits well into the corner over the overlapping bulkhead fabric.
6. Work forwards and downwards, spraying small areas of the roof and the fabric at a time, smoothing and stretching the fabric to keep it taut and wrinkle-free.
7. Slit the fabric to allow it to continue round the fuel pipe with all visible areas covered, and ensure it is glued well in this area.
8. At the doorframe, you may either follow the shape of the flange or allow the material to bridge the inside corner. Glue the fabric to the doorframe leaving ½ inch of fabric that will be folded under the door rubber seal, when fitted.
9. Where this panel meets the back face of the backrest, lap a 1" flange of material onto the backrest and glue firmly.

### **Backrest and pod cover (EU0012 - Basstex)**

1. Locate the transverse centre line and centre point already marked on this part. The outline of the headrest pods may also be marked. Mark the centre of the backrest (between the head rest pods) and test fit the piece making sure the material reaches the rear baggage bay floor and the door openings on both sides.
2. When you are sure the position is correct, make a diagonal "X" shaped cut centred on each headrest pod, with the ends towards the corners of the pod. Do not make this initial cut too long; it can be lengthened as you progress to stretch the carpet over the pod.

3. Fold fabric longitudinally on the centre line and tack the centre point. Work from the centre along the rear edge of the backrest and down to the baggage bay floor gluing the Basstex. Trim the vertical edges at the back of the backrest and glue over the alcantara flange created when installing EU 0002. Ensure the Basstex is well glued round the rear base of the pod.
4. Apply glue 1" wide around the remaining three sides of the base of the headrest pods. Stretch the Basstex over the headrest pods, elongating the cuts as needed, and stretching the fabric to keep it taut and wrinkle-free.
5. Continue gluing and stretching down the forward face of the backrest and lap 1" onto the seat bases, the centre tunnel and the sides of the aircraft.
6. Trim round the headrest pods 1" up the sloping face.

### **Centre Console (EU0013 - Basstex)**

1. Mark the longitudinal centre line on the back of this panel. Dry-fit starting at the front face of the tunnel and leaving a 1" lap onto the vertical face of the firewall. This overlap is required to ensure material is available to glue onto the flanges on the vertical sides. Ensure sufficient material is available to reach the seat backrest at the rear of the tunnel and the floor all round. Make a small slit to allow any controls through the Basstex.
2. When you are satisfied with the positioning tack glue at the front face of the tunnel and work back along the spine of the tunnel. In some area such as the choke the Basstex will need to be stretched to achieve a good fit. When this is satisfactory, work down the sides of the tunnel. Due to the complexity of the shape, it may be necessary to cut and butt joint the Basstex to achieve a satisfactory finish. Overlap the Basstex 1" onto the floor and the vertical, sloping and horizontal parts of the seat base. Where the tunnel meets the firewall, glue the Basstex to the vertical firewall flange and cut the Basstex flush with the corner. The top front horizontal flange may be covered or left clear to suit your panel installation. At the rear of the tunnel, cut the Basstex neatly into the corners between the tunnel and backrest and glue to the Basstex already covering the backrest.
3. The Basstex will need to be trimmed round your controls and any trim plates you have made.
4. The fuel cock access panel can be covered with an off cut. Glue the centre of the panel. Cut triangles out of the fabric to within ¼" of the edge of the panel so the fabric will lie flat. Spray and press/stretch the overhanging fabric to the back of the panel.

### **Front Footwell face (EU0016 - Basstex)**

This is probably the second most inconvenient panel to fit unless you have very long arms and no legs. Kneeling on the seat base seems to be the most practical approach.

1. Tack the centre so that the material will overlap onto all the surrounding panels. Work from the centre gluing into position. Trim the edges to give a 1" lap onto the adjacent panels and glue this firmly.

### **Inside heel kick panel (EU0015 - Basstex)**

These panels are also difficult to fit.

1. Mask the vertical sides of the centre consol adjacent to this panel.
2. Dry-fit the panel and cut roughly to size. Tack the top so that the material will lap onto the surrounding panels. Work from the centre gluing into position. At the front edge cut to fit neatly into the front corner and glue to the overlap of the EU0016 panel. Trim the bottom edge to give a 1" lap onto the pedal floor.

3. At the rear of the panel, the Basstex should be glued round the corner and onto the Basstex already glued to the vertical firewall flange. Cut the edge to fit neatly into the inside corner with the tunnel and glue firmly.

### **Side Panels (EU0014 - Basstex)**

These panels cover the fuselage sides from the front footwell face to the seat backrest. The top edge will be the line you have decided to use as main horizontal joint (see Setup above). This edge will be covered by the bound edge of the Alcantara panels when installation is complete.

1. Tack the rear top corner making sure sufficient material is available and work forward gluing about a 4" strip. At the firewall, it may (depending on the level of your joint) be necessary to cut a "step" into the top edge. Continue the Basstex into the foot well to meet the front footwell face. Cut neatly into the corner and glue down. Start at the rear again working downwards, gluing another strip 4" wide. Repeat until the seat base is reached, where this panel should lap onto the adjacent panel by ½". At the forward end, trim and glue the Basstex along the line of the cut-out in the cockpit module.

### **Floor Footwell (EU0018 - Basstex)**

These panels cover the raised floor on which the rudder pedals are mounted and extend down the front face to the main footwell. You may wish to consider fitting a protective metal or plastic edge to the corner created.

1. Make a stiff paper template of the area to be covered. Make cut outs to go round the CS22 & CS23 bearing blocks and make cuts forward (parallel to the centreline) to the edge to allow the carpet to be fitted. When you are satisfied this fits well, cut the Basstex to match and glue in.

### **Bottom Screen (EU005L & R - Alcantara)**

1. It is important to ensure the screen is well masked before starting installation.
2. Mark the centre of the screen where the butt joint between the left and right panels will be made.
3. The bottom screen section is bound on the edge that will abut the screen. The binding should be positioned to just overlap (and thus hide) the main fuselage moulding. Ensure that a strong glue joint is achieved at this edge
4. Start by tacking the corner nearest the door. Work upwards the short distance to the end of the material. Then work forward round the base of the screen, lapping the lower edge onto the fire wall by about 1". This area contains the captive nuts used to secure the engine cowl. Make small cuts in the fabric to allow the bolts through the fabric (otherwise they will tend to pull the fabric off when you next install the cowl).
5. At the centre of the screen, make a neat cut to which to butt the opposite panel.
6. Just below the corner nearest the door, make a neat overlap joint with the Basstex carpet on your chosen horizontal joint line. This area is not bound.
7. You will need to check that your panel can still be installed and you may need to increase the clearances to accommodate the Alcantara.

### **Top Screen and lower Door (EU006L & R - Alcantara)**

1. It is important to ensure the screen is well masked before starting installation.
2. Mark the centre of the screen where the butt joint between the left and right panels will be made.

3. These fabric sections are sewn into an “L” shape to achieve the neatest possible finish just in front of the door. This area is very noticeable when looking into the aircraft. Both the screen edge and the edge that will be below the door are bound. As with the bottom edge panel, the binding should be positioned to just overlap (and thus hide) the main fuselage moulding and a strong glue joint must be achieved at this edge. The bound edge below the door should be aligned with your horizontal joint line and overlap the Bastex carpet.
4. Start by tacking the front corner of the door. Work upwards, gluing the binding over the binding of the lower screen panel. Continue working upward round the top of the screen. At the centre of the screen make a neat cut to which to butt the opposite panel. Stretch the fabric gently onto the front door flange and glue in place leaving ½ inch of fabric that will be folded under the door rubber seal when fitted.
5. Return to the lower front corner of the door and work back along the lower side of the doorframe. Lap the bound edge over the Bastex carpet at the level of your chosen joint line. The rear end of the panel has a radius that should neatly follow the line of the doorframe. The short horizontal cut edge may be doubled over to give a neat finish. Glue the fabric to the doorframe leaving ½ inch of fabric that will be folded under the door bottom rubber seal when fitted.

#### **Overhead Cover Panel (EU008 - Alcantara)**

1. It is important to ensure the screen is well masked before starting installation.
2. This panel has curved bound edges at both ends.
3. Start at the front gluing the bound edge over the top screen panels installed earlier.
4. You will have to make provision for any sub panels you may have installed.
5. Glue the fabric to the doorframe leaving ½ inch of fabric that will be folded under the rubber seal when fitted.

#### **Control Column Boot Mount (EU00?? - composite)**

1. The control column boot mounts are composite mouldings that prevent objects becoming jammed under the control columns and provide a mount for the control column boots. Trial fit the mounts and ensure they are a snug fit to the floor and 5mm clear of the control columns at the full limits of their movement.
2. Scuff sand the top 1” of the mounts, wipe clean with acetone, and attach the self-adhesive Velcro tape. (Both sides of the Velcro are packed attached to the leather boots).
3. The mounts may be stuck directly to the floor using Redux 420 but this will make future removal of the control column more difficult. To avoid this, cut a short (1”) length of aluminium angle and Redux this to the floor. Attach the mounts with self-tapping screws or small bolts.

#### **Floor Panels (EU0017 - Bastex)**

1. These panels are of sufficient length to cover the flat seat base, sloping seat base, vertical seat front and floor up to the vertical face of the pedal floor. This could be covered in one piece but is best divided at the base of the vertical seat front. This allows the floor area to be removed if dirty or wet. The rear seat area may be further divided into sections to suit the construction of your seat base. The edges overlap the adjoining panels and are cut neatly into the corner.
2. Cut the floor panel neatly round the control column boot mounts, the undercarriage frame and allow sufficient overlap with the lower edge of the side panels. Glue down, if required.

### **Control Column Boots (EU00?? Leather)**

1. Turn the boots inside out and slide them onto the control columns. Ensure that the smaller panels are at the rear. Secure the neck just above the top of the CS01 with a cable tie. Now turn the boots “rightside” out. Press the Velcro of the main panel onto the Velcro now attached to the mount. At the base of the smaller panel fold the flap upwards and attach the Velcro to the Basstex on the vertical seat front.

### **Headrest Pods (EU0020L & R - Leather)**

1. As noted on Page 1, Notes, if access is required to the pods, the leather covers will be supplied separately from the composite shell. Note: the left and right pods are **NOT** interchangeable.
2. On the shell, roughly mark the size of the opening required for access to the headrest pocket. Cut this hole sufficiently large to allow you to insert your hand. Place the pod on the headrest and mark the exact shape of the opening by pencilling round the inside edge. Enlarge the hole to the final size.
3. Turn the leather cover inside out and trim the seams to ¼” from the stitching if necessary. Dry fit the cover to check the fit.
4. Fit the leather cover starting at the top centre and stretching the leather for a smooth fit. Make sure the seams align with the corners of the moulding.
5. Make a cut-out 1” smaller than the pocket access opening. Slash the overhanging leather to within ¼” of the edge of the opening. Spray and press the overhanging leather over and on to the back of the opening.
6. Place the finished headrest pod over the headrest and push into position on the 1” Basstex edge created when installing the backrest and pod cover (EU 0012). Mark and drill the hole for the seat harness mount.
7. Trial fit the cover. As the cover can be subjected to heavy loads (people sit on them), some packing may be required between the pod and the cover to prevent movement.
8. Reinstall the seat harness with the original AN4-7A bolt, washers and nut.

### **Inner Headrest Pocket (EU0019 - Basstex)**

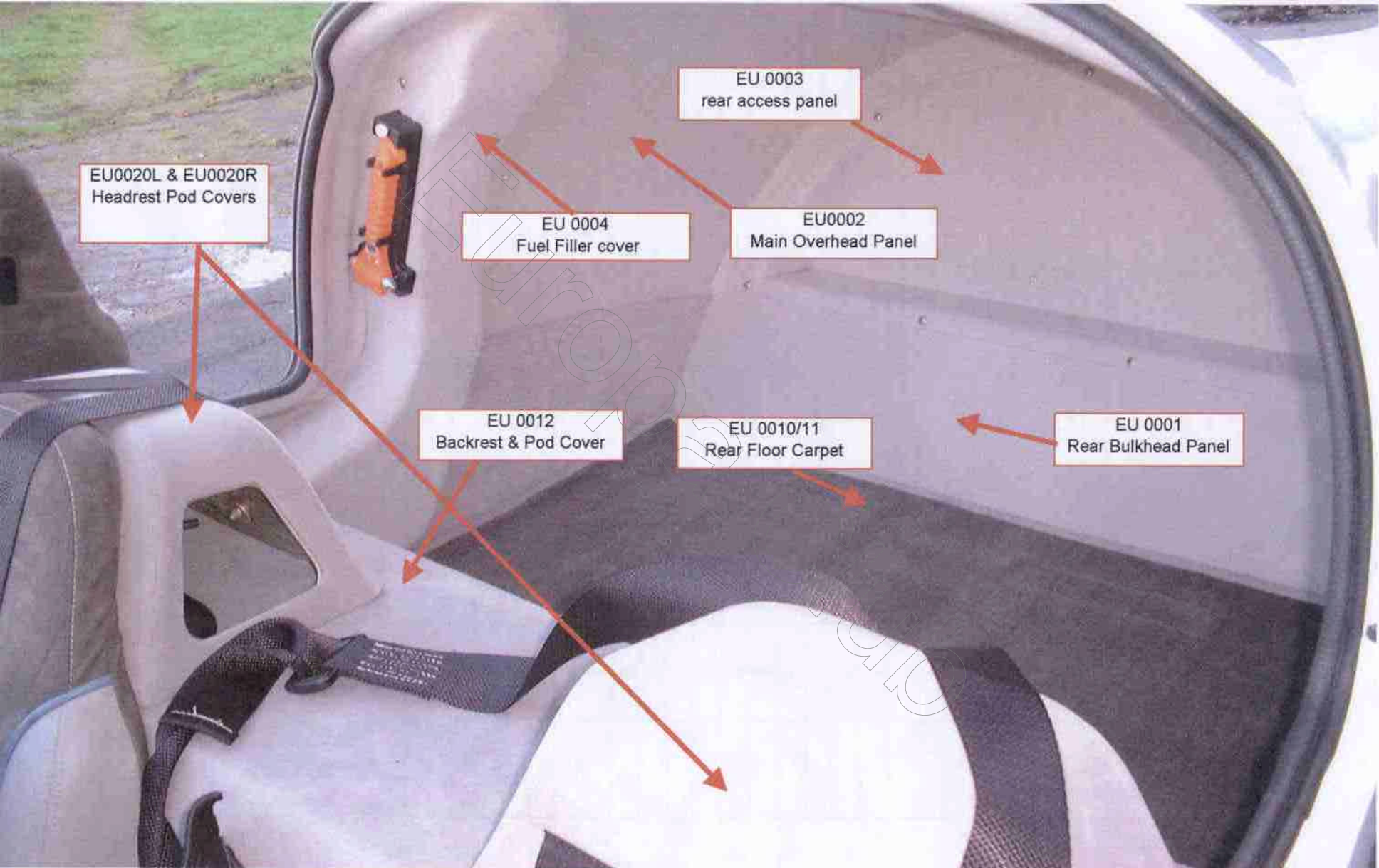
1. Trial fit into the headrest pocket. The Basstex can either be cut exactly to fit the base or be shaped to fold some 2” up the sides.
2. Glue, if required, but remember that access may be required to the fuel gauge, which can be located in this area.

### **Seat Base, Backrest cushion and filler cushion (EU0022, 0023,0024 - Basstex)**

3. Finally, fit the seats
4. Install these items to suit your requirements. Note: the internal foam cushions can be modified to ensure a better fit for your personal requirements. Do not forget - comfort is an important aspect of your safety, by ensuring you are not distracted.

Good Flying





EU 0003  
rear access panel

EU0020L & EU0020R  
Headrest Pod Covers

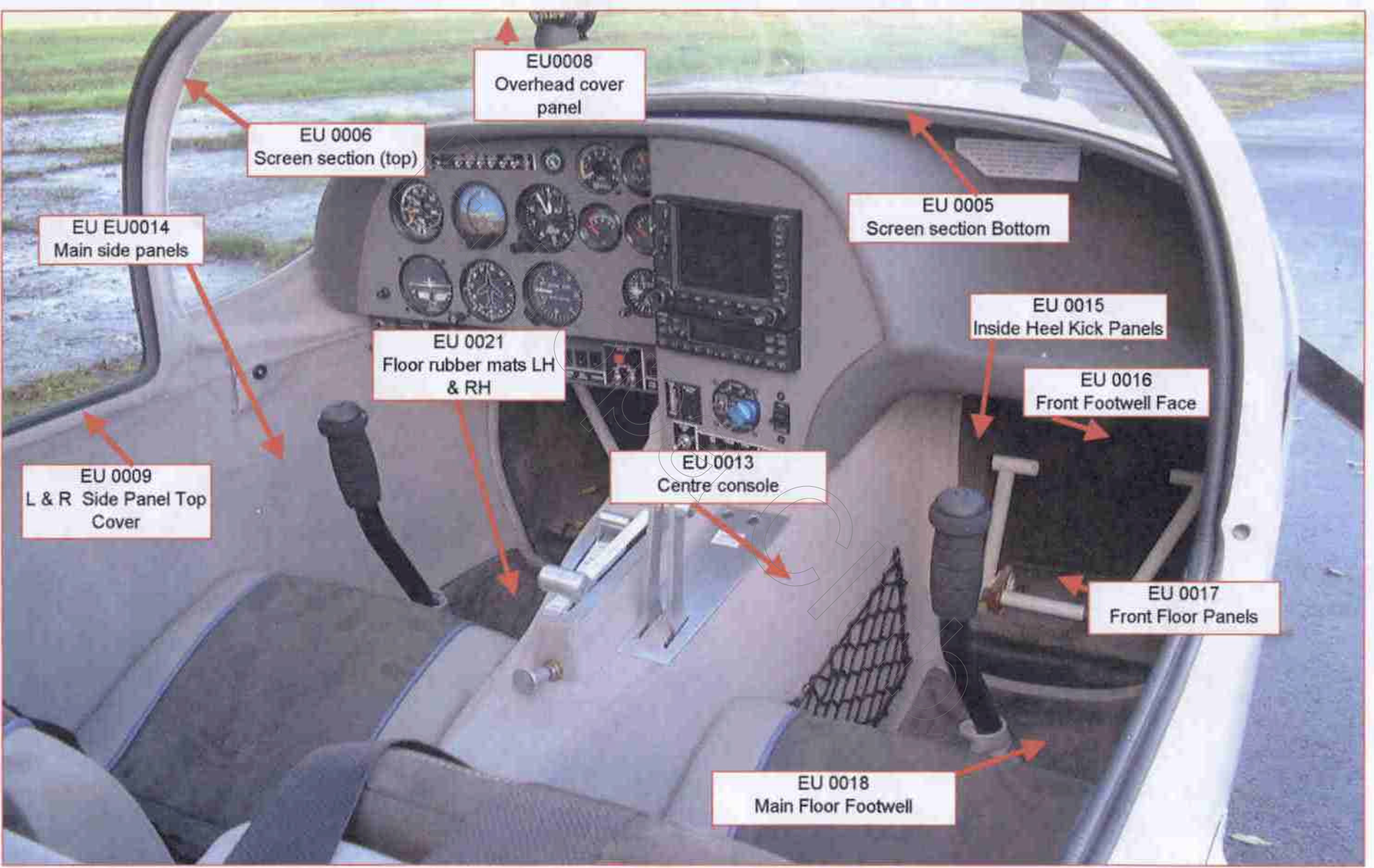
EU 0004  
Fuel Filler cover

EU0002  
Main Overhead Panel

EU 0012  
Backrest & Pod Cover

EU 0010/11  
Rear Floor Carpet

EU 0001  
Rear Bulkhead Panel



EU0008  
Overhead cover  
panel

EU 0006  
Screen section (top)

EU 0005  
Screen section Bottom

EU EU0014  
Main side panels

EU 0015  
Inside Heel Kick Panels

EU 0021  
Floor rubber mats LH  
& RH

EU 0016  
Front Footwell Face

EU 0009  
L & R Side Panel Top  
Cover

EU.0013  
Centre console

EU 0017  
Front Floor Panels

EU 0018  
Main Floor Footwell