

## SERVICE INFORMATION BY PRODUCT FEATURE

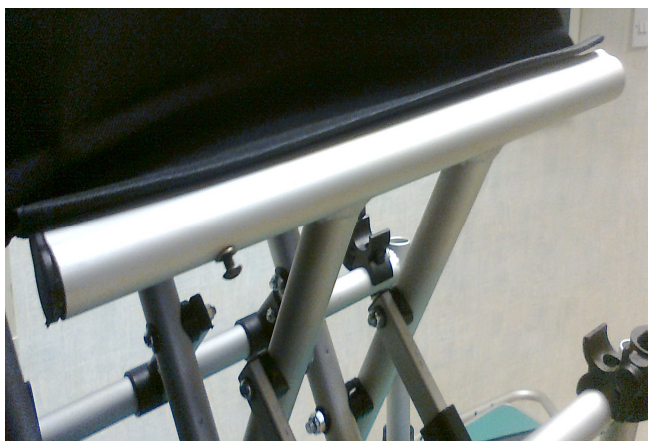
### Upholstery assembly



DB1 upholstery is always padded. Comfort and position of the wheelchair occupant is the main functional criteria. Tension back upholstery has a separate cushion to allow more adjustment of shape.

Seat upholstery is located in an enclosed location groove feature in the aluminium seat frame. All seat upholstery is a triple ply construction, with double thickness strengthening material wrapped around the locating rods which run inside each groove.

Seat upholstery is slid into position in rail grooves, one side at a time in approx. 50mm increments until fully located along its length. A pinch screw on the underside of the seat rail secures the seat upholstery against sliding.



Once the seat upholstery is positioned, moulded end caps are fitted for additional security and sealing of the open tubes in all four end positions

The seat tube end caps are orientated by the ends of the tube fixing rods, which engage within bossed holes on the underside of each moulding.

On original builds we fit the backrest upholstery when the backrest tubes are assembled. Backrest upholstery can be fitted retrospectively by separating the back tube at the folding hinge, and assembling in two separate halves.

We also frequently supply complete back upholstery assemblies as replacement spares when a build change is required, such as hub brakes or backrest extension, so that it can be quickly slotted into position into an existing rear frame module.

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Backrest upholstery comes in two types.

The plain integral back, has a thin cushion permanently constructed between covers.

The tension adjustable back has a velcro secured separate cushion over tension adjustable straps between the upper back support tubes. Strap adjustment allows seat depth to be optimised.

Back support upholstery has a flap at the base, to connect to the underside of the seat to fill the gap between seat and back when the seat frame depth is set long. Degree of Velcro flap engagement is dependent on position and height.

The tension adjustable back option provides a greater level of adjustability for shape and positioning.



For short a back height build the separate back cushion should be started lower down the front so that the flapped amount to engage in Velcro under the seat, is not excessive. For a high back build the separate back cushion should be started higher up the front where it can be covered by a cushion, so that the flapped amount is sufficient to engage in Velcro under the seat.

When the tension back cushion is to be sagged for a deeper seat setting, we recommend that a cushion width nominally a size wider is selected. For example fitting an 18inch wide cushion to a 17inch wide chair is a frequently requested build choice for a longer seat dimension.

Upholstery cleaning in daily use should be carried out using a mild detergent and proprietary sanitising spray. To reduce risks when recycling wheelchairs between users, we recommend that frames are thoroughly decontaminated in a washing system, and upholstery is changed with new replacement parts.