



Comfortable
Safe



Durable
Maintainable



BS EN ISO 9001:2008
FM 510253

Stand C 84

Coach & Bus Live Newsletter

Chapman® launch the Fail-safe *SideRiser*™ Height Adjuster



Chapman® know that a bus driver seat operates within one of the most harsh environments of any industry with some vehicles having five drivers per day running 24/7 all year round. A mechanism operating in this environment will inevitably wear over time and components can fail. So when we set about designing the next generation of seat height adjuster we wanted a unit that would be fail-safe.

Fail-safe design

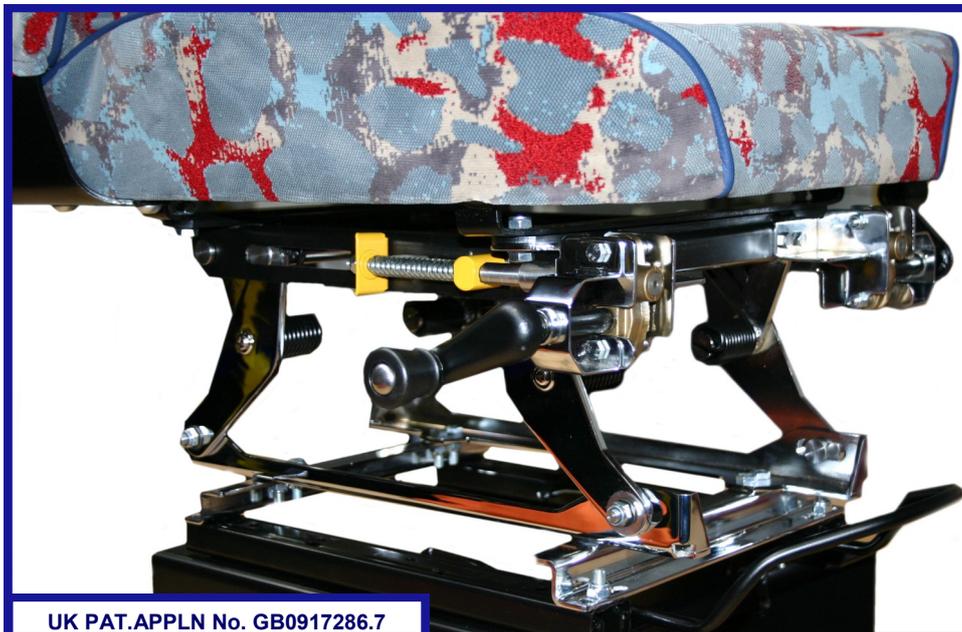
The unit is designed so that if a component fails it will not cause undue damage. Component failure modes were reviewed and safety design features were added to ensure that if the unit were to fail, it would do so safely.

Ergonomics and Comfort

The positioning of the height adjusting handles was important. They are positioned each side of the seat within easy reach of the driver regardless of the seat position.

Visual Inspection of Key Components

During the design process many of our customers stressed that the ease with which critical components can be inspected was essential. To this end visual inspection became a fundamental part of the design. Many driver seat manufacturers pay too much attention to making the seat look aesthetically pleasing. Plastic cowling that is hard to remove without stripping the complete seat, covers parts that should be inspected on a regular basis. Visual inspection is crucial when checking the mechanism for wear. Colour coding and Torque Marking also assists with visual inspection.



Maintainability

Maintaining the mechanism is now easier than ever. Lubrication of all moving parts can be conducted without removing any other part.

Testing

To ensure that the mechanism is up to the job, accelerated life testing is currently underway at Millbrook Proving facility in Bedfordshire, due for completion early November this year. Accelerated life testing was specified as **190Kg driver, five seat adjustments per day, 20 hours use per day, 7 days per week, 52 weeks per year, for seven years.**

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Stand C 84

Comfortable Nova[®] Inter-Urban

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Following the success of the Chapman[®] seat on Urban Buses, a number of operators requested a similar seat that can be fitted to an Inter-Urban style vehicle that needs a more robust seat than most coach builders fit as standard. So many builders install the 'all singing, all dancing' drivers seat. Lots of buttons, air suspension, air lumbar, and so on and, as we all know, within six months many of these components are broken. Five drivers a day, 24/7 use - the seats just aren't up to the job. Following testing at MIRA during 2007 and testing at TÜV Rheinland Group last year, Chapman[®] introduced the Nova[®] Inter-Urban.

- 3-Point integrated seatbelt
- Anchorage points conform to 76/115/EEC
- Passed M3 (76/115/EEC) pull tests at MIRA / TÜV
- Trimmed in your choice of Leather or Moquette
- Infinite recline adjustment
- 160mm or 200mm fore and aft adjustment
- 110mm height adjustment



Chapman[®] - Carlyle... a winning partnership

It is essential to have an effective, reliable distributor handling our aftermarket spares. There is no one in the market with the capability, service and coverage of Carlyle Bus Parts. Carlyle's branch network of Birmingham, Bristol, London, Manchester, Glasgow, and Dublin, provides more distribution points than any other company in the market sector in the UK, offering operators a fast response to bus and coach parts sourcing. Chapman[®] still provides technical support for end users direct from the factory on 0845 838 2305.

Contact: Birmingham 0121 524 1200, London 01932 569 177, Bristol 0117 955 4955, Glasgow 0141 429 2704, Ireland 00353 1866 5980

Chapman[®] Refurbishment Services

Chapman[®] offer a complete Driver seat and Passenger seat refurbishment facility. Following the award of a significant contract early in 2008, Chapman[®] are able to offer a complete refurbishment service to UK operators in conjunction with the Carlyle distribution capability. We can refurbish not only our own driver seats, but also certain competitor driver seats and many variants of bus passenger seating.

For further details about this service, visit us on stand C84 to discuss your requirements or call 0845 838 2305.

Chapman[®] Backup and Support

Chapman[®] offer a unique on-site support service. Visiting depots and understanding our customer requirements is key to offering an unrivalled service to our customers. Understanding cab geometry, hole centres, H-Points and driver/engineer requirements means we get it right. Most depot engineers rarely get the time to inspect the drivers seat and assess what parts need replacing. To this end Chapman[®] offer a full fleet survey and provide a detailed report showing the condition of each seat. This gives depot managers key information to act on and schedule maintenance accordingly.



"Chapman[®] The Bus and Coach Driver Seat Specialist"

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