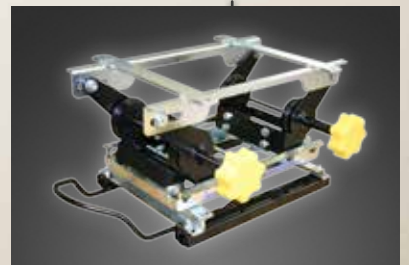
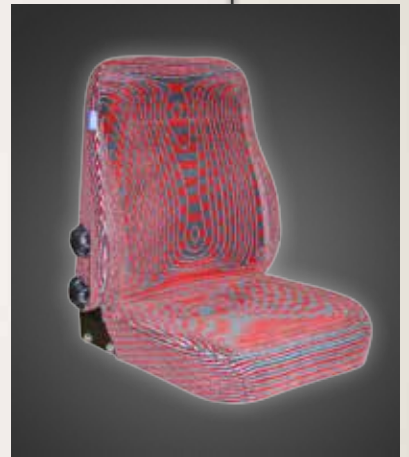


PRODUCT CATALOGUE



 chapman_seating

 chapmanseating

0845 838 2305 | sales@chapmanseating.com | chapmanseating.com

Driven by you.



ABOUT US

The Chapman Driver Seat has been setting standards for comfort and durability for decades. Look around any bus depot in the UK, Europe or even the Far East and you will soon notice that the majority of driver seats are Chapman. Why? It's simple - Chapman seats have provided bus and coach operators with a comfortable, robust and serviceable driver seat that just keeps on going. All our seating products are designed with comfort, function and serviceability in mind.

Chapman are the preferred supplier to the top 5 UK operators as well as many large and small independent operators and offer an unrivalled service in the bus industry. We work with the operators to fine tune the specification and supply directly to the bus builders whilst dealing with the aftermarket through a number of carefully chosen distributors.

Chapman Driver Seating was acquired by A.E. Harris & Co (Birmingham) Ltd in August 2010 and with over 130 years' experience in a variety of disciplines from laser cutting to tube bending, A.E. Harris now make all metal components found within the Chapman range of products.

Most driver seats are supplied through distributors only - Chapman manufacture and support their products from their central Birmingham factory.

Both A E Harris and Chapman Driver Seating are ISO9001:2008 accredited.

For further information about Chapman history and products, please visit our website www.chapmandriverseating.com.



TESTING

Most Chapman products have been thoroughly tested to meet the standards required from this demanding industry. Seat assemblies with seat-belts have been pull tested at MIRA to M3 76/115/EEC standard and extensive load and durability testing has been undertaken at Millbrook Proving Ground's testing facilities on our latest height adjusters.

For further information about product testing, please see the relevant product page or our web site.

For further information or technical support please call 0845 838 2305 or visit our web site.

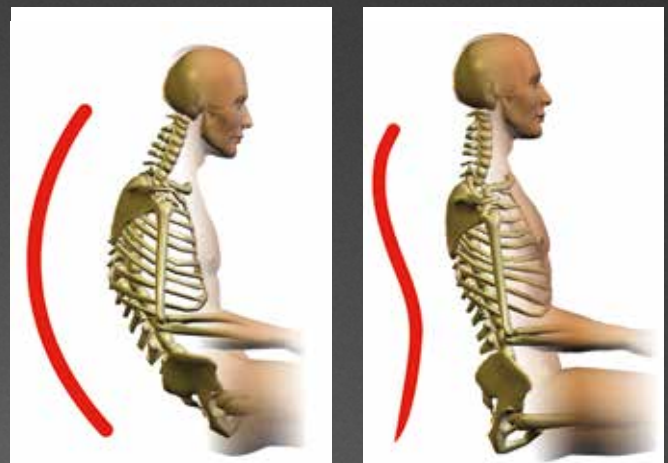
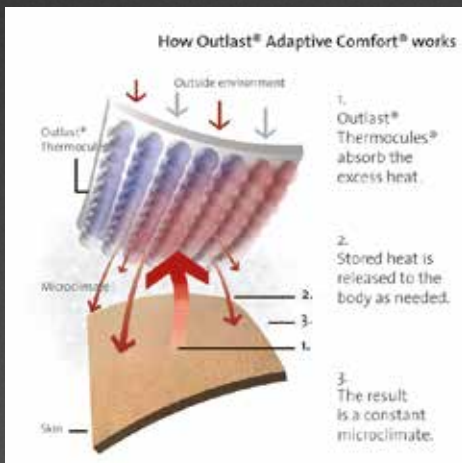


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4	Nova Urban 56000 series (non-headrest)	9	Mk250 Height Adjuster
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6	Nova Urban 54000 series (higher back)	11	Novaglide Lock-out Suspension
7	Older Chapman seats (51000, 55000 and Nova Classic)	12	Mk128 / Mk300 Pedestals
8	SideRiser 2 Height Adjuster	13	Fixed Plinths
		14	Office Seats
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TECHNOLOGY

Chapman use a number of features designed or supplied by third party suppliers to enhance the comfort of their seats. The Outlast product below is supplied as standard on any seats trimmed in leather or E-Leather and ProBax can be selected as an option.



NOVA URBAN 56000 SERIES



The Nova Urban (Narrow) 56000 & 57000 series is the latest generation of the Nova Urban which replaces the highly successful 51000 and 55000 series.

The main benefit of this latest version is that the narrower width allows easier fitment to a wider range of vehicles and with the option of recline on one side only, the seat is as much as 85mm narrower than the previous versions. The fixing holes under the seat are the same as the older Nova Urban and Nova Classic seats making these totally interchangeable with other Chapman products.



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No.	CDS Part No.	Description	Notes
1	56300	Squab Frame (No Headrest)	Comes complete with Item 6
1	56300LS	Squab Frame (No Headrest)	Comes complete with Item 8
1	57300	Squab Frame with Headrest	Comes complete with Item 6
1	57300LS	Squab Frame with Headrest	Comes complete with Item 8
2	57400	Cushion Frame	Complete with Sprung Mat (Item 7)
3	31833	Cushion Foam (Melamine)	
3	31834	Cushion Foam (Graphite)	
3	31835	Cushion Foam - ProBax © (Melamine)	
3	31836	Cushion Foam - ProBax © (Graphite)	
4	31831	Squab Foam (Graphite)	
4	31832	Squab Foam (Melamine)	
5	33359	Lumbar Adjuster Knob + Cap	
6	33861	Squab Mat	
7	33861K	Cushion Mat Assembly	Mat + Springs
8	33320	Lumbar Assembly	
9	84881K	Recline Adjuster Kit	Capped bar + Knob + Cap
10	33826	Headrest Foam	
11	37958	M10x20 Button Head Bolt (x 4)	



NOVA URBAN 57000 / 57S00 SERIES



The 57S00 seat is the M3 tested version of the 57000 integral headrest seat and features a 3 point seat-belt.

These seats can be fitted with any of the foam and trim options available across the Nova Urban range.

Each seat assembly will have a part number that is a combination of seat type, trim code and any other options selected from the table.

FEATURES

- Infinite Recline
- Recline Adjustment Left and Right (Single recline option available)
- Robust Construction
- Easy to Service and Re-Trim

OPTIONS

- Integral Headrest
- Armrests
- Heated
- Adjustable Lumbar Support
- ProBax © Cushion Technology
- Choice of Trim

Nova Urban Options / Part No.	56000	56100	57000	57S00
Low Back	*	*		
Integral Headrest			*	*
L/H Armrest	AL	AL	AL	AL
R/H Armrest	AR	AR	AR	AR
Heated	H	H	H	H
Lumbar Support	LS	LS	LS	LS
ProBax © Cushion Technology	PB	PB	PB	PB
M3 Seatbelt				*
R/H Recline Only	*	*	*	*



PROBAX © SEATING TECHNOLOGY BENEFITS

- Increased Comfort
- Reduced Muscle Ache
- Reduced Fatigue
- Cost Effective
- Available across the Chapman range

NOVA URBAN 54000 SERIES



The Nova Urban High back seat uses the same narrow frame as the 56000/57000 seats with an added 120mm height on the backrest (squab). This seat type is better suited where a higher back is required rather than a headrest, or alternatively can be used to provide a high specification seat when fitted with the luxury headrest.

Each seat assembly will have a part number that is a combination of seat type, trim code and any other options selected from the table.

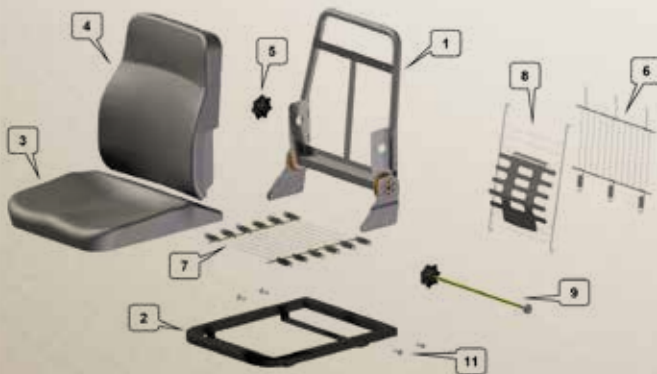
6

FEATURES

- Infinite Recline
- Recline Adjustment Left and Right (Single recline option available)
- Robust Construction
- Easy to Service and Re-Trim

OPTIONS

- Luxury Headrest
- Armrests
- Heated
- Adjustable Lumbar Support
- ProBax © Cushion Technology
- Choice of Trim



Nova Urban Options / Part No.	54000	54100	54H00	54K00
High Back	*	*	*	*
Luxury Headrest			*	*
L/H Armrest	AL	AL	AL	AL
R/H Armrest	AR	AR	AR	AR
Heated	H	H	H	H
Lumbar Support	LS	LS	LS	LS
ProBax © Cushion Technology	PB	PB	PB	PB
R/H Recline Only		*		*

No.	CDS Part No.	Description	Notes
1	54300	Squab Frame (No Headrest)	Comes complete with Item 6
1	54300LS	Squab Frame (No Headrest)	Comes complete with Item 8
2	57400	Cushion Frame	Complete with Sprung Mat (Item 7)
3	31833	Cushion Foam (Melamine)	
3	31834	Cushion Foam (Graphite)	
3	31835	Cushion Foam - ProBax © (Melamine)	
3	31836	Cushion Foam - ProBax © (Graphite)	
4	31831	Squab Foam High Back (Graphite)	
4	31842	Squab Foam High Back (Melamine)	
5	33359	Lumbar Adjuster Knob + Cap	
6	33861	Squab Mat	
7	33861K	Cushion Mat Assembly	Mat + Springs
8	33320	Lumbar Assembly	
9	84881K	Recline Adjuster Kit	Capped bar + Knob + Cap
11	37958	M10x20 Button Head Bolt (x 4)	



NOVA URBAN 51000 / 55000

The 51000 Nova Urban series and 55000 Integral headrest version were introduced in 2004 to replace the older Nova Classic seat. The side plates on the seat back (squab) were curved to allow it to be fixed to the cushion frame underneath the seat. Whilst this made the seat easier on the eye, it did not suit all manufacturers cabs and was replaced completely in 2014 by the 56000/57000 series Narrow seat range.

These seats are no longer available for general supply, but a range of spares are still available.

Please call us or visit our web site for further information.



FEATURES

- Infinite Recline
- Recline Adjustment Left and Right (Single recline option available)
- Robust Construction
- Easy to Service and Re-Trim

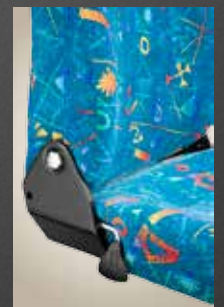
OPTIONS

- Integral Headrest
- Armrests
- Heated
- Adjustable Lumbar Support
- ProBax © Cushion Technology
- Choice of Trim

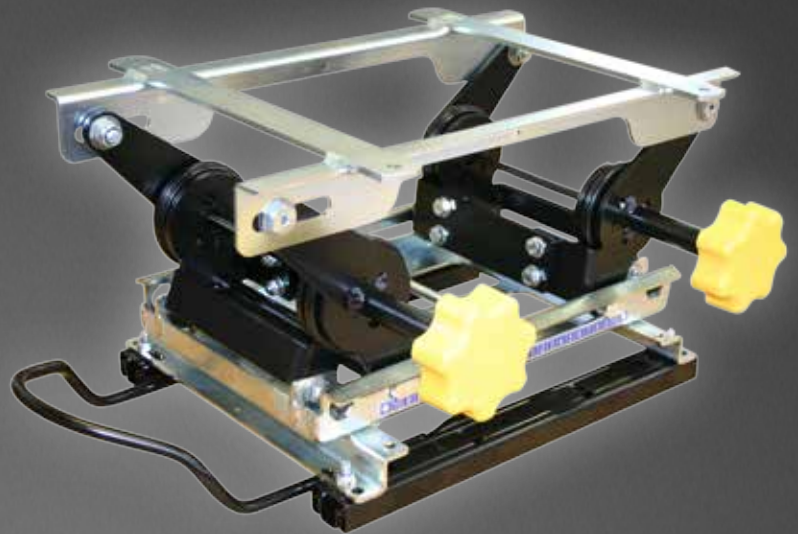
NOVA CLASSIC

The Nova Classic seat was developed in the 1980's and was extremely popular both in the bus industry and in rail applications. The seats featured a recline mechanism that could be specified on the left or right and allowed the seat back (squab) to be quickly adjusted into position or dropped forward onto the cushion.

Frames for these seats are still manufactured for certain applications and a complete range of spares from knobs and foams to squab frames are still available.



SIDERISER 2 (SR2) HEIGHT ADJUSTER



SideRiser 2 (SR2) is the next generation of height adjuster from Chapman designed for the demanding urban bus environment. Rigorously tested at Millbrook, the unit is now firmly established as the industry standard height adjuster.

SR2 TESTING

Testing the new SR2 Height Adjuster was essential to ensure that the unit was durable and robust. We decided on two separate tests.

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As we were using new planetary gears for the height adjustment (which was totally different from anything we have done before) we wanted to ensure that these would withstand typical operating duty cycles. Although the adjuster is designed to be adjusted WITHOUT a driver's weight on the seat, we added a margin of safety and weighted the unit with the equivalent of a 14 stone driver. A typical duty cycle for the driver seat would be five drivers a day meaning that the seat would be adjusted five times a day. Some buses run 365 days a year and we believe the height adjuster should be in good safe working order for five years. Again we added a margin of safety, 10 years was the chosen duration of the accelerated life test.

So the test was defined as 5 adjustments per day, 365 days a year for 10 years with a 14 stone driver mass permanently on the seat. This equated to 18,250 adjustments. Millbrook Proving ground was chosen to conduct and validate the durability test.

During the three weeks of accelerated life testing, Millbrook technicians monitored the performance of the unit for signs of wear or failures. We are pleased to say that following testing there were no failures and very little wear. We then decided to continue the testing to establish if the unit would fail and if so where. The testing continued for a further 4,900 cycles until we ran out of our allotted testing time in the lab. This equated to a total of 12.5 years life testing, and again no failures and no significant wear.

The second test was to establish how robust and what impact the height adjuster would withstand. The units predecessor the SideRiser 1 was tested using ride data

from buses tested at Millbrook. This ride data showed that the maximum vertical acceleration the driver seat was exposed to was 1.5g through the base of the seat. So the SideRiser 1 was subjected to an accelerated life test of 5 years with the mass of a 30 stone driver including 4g vertical accelerations allowing for a margin of safety. Despite passing this test we still experienced minor failures during service, indicating that the units were exposed to more severe accelerations during normal use. This could be as a result of pot holes, curb strikes, etc. The SideRiser 2 needed to be subjected to greater

accelerations and to this end a drop test was chosen to indicate where the failure would be. Again Millbrook were chosen to conduct and verify the testing.

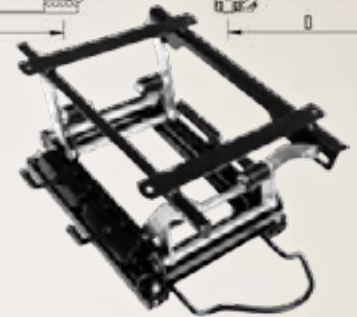
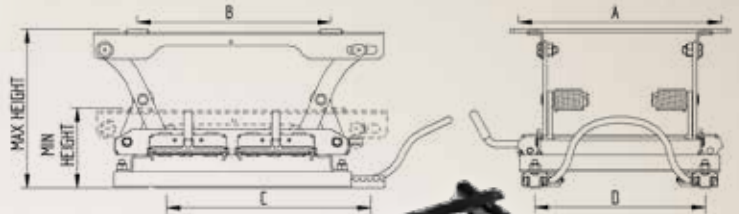


The picture on the left shows the SideRiser 2 set up with a test dummy with a mass of 30 stone. The agreed test was to drop the seat from ever

increasing heights which would generate increasing G forces on the height adjuster. The starting height was 20mm which produced a 3g impact, the unit was then dropped from 25mm which produced 14g. Following these impacts the unit showed no signs of failure so it was agreed to increase the height significantly to 250mm. This drop produced a 157g impact and again no failures. We decided to go further; 500mm was the next drop height which produced a staggering 250g impact and the unit was still intact. We decided to call it a day and agreed the SideRiser 2 was capable. The test unit was brought back to the factory and with the exception of a bent top frame, still works perfectly.



MK250 HEIGHT ADJUSTER



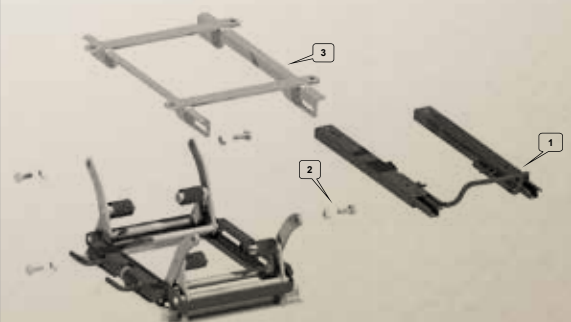
The Mk250 Height Adjuster has been around since the 1990's and is still a popular choice for aftermarket replacements. The unit went through a major redesign in 2008 and significant reinforcement was added to allow us to test the unit at MIRA to certify the unit with a safe working load of 190Kg (30 stones).

The unit is available as left or right handed adjustment with a variety of hole fixing configurations and a fully tested M3 version is also available.

L/H Part No.	R/H Part No.	Type / Description	MIN	MAX	A	B	C	D	Slider Set Part No.
61510	61500	Mk250 Height Adjuster (160mm Slides)	134	240	305	290	304 / 328	255	33430/1-R or 28974/5-R
61511	61501	Mk250 Height Adjuster (160mm Slides) c/w Rubber Gaiter	134	240	305	290	304 / 328	255	33430/1-R or 28974/5-R
62510	62500	Mk250 Height Adjuster (200mm Slides)	134	240	305	290	304 / 328	255	33430/1-R or 28974/5-R
62511	62501	Mk250 Height Adjuster (200mm Slides) c/w Rubber Gaiter	134	240	305	290	304 / 328	255	33430/1-R or 28974/5-R
61110	61100	Mk250 Height Adjuster (160mm Slides)	134	240	305	290	304 / 328	215	33430/1-R
61111	61101	Mk250 Height Adjuster (160mm Slides) c/w Rubber Gaiter	134	240	305	290	304 / 328	215	33430/1-R
62110	62100	Mk250 Height Adjuster (200mm Slides)	134	240	305	290	304 / 328	215	33432/3-R
62111	62101	Mk250 Height Adjuster (200mm Slides) c/w Rubber Gaiter	134	240	305	290	304 / 328	215	33432/3-R
61013		Mk250 M3 Height Adjuster* (160mm Slides) c/w Rubber Gaiter	134	240	305	290	304	200	33430/1-R
62013		Mk250 M3 Height Adjuster* (200mm Slides) c/w Rubber Gaiter	134	240	305	290	304	200	33432/3-R
	33300	Mk250 Mercedes Height Adj (160mm Slides)	85	185	230	369	304	230	30560/6/7-R

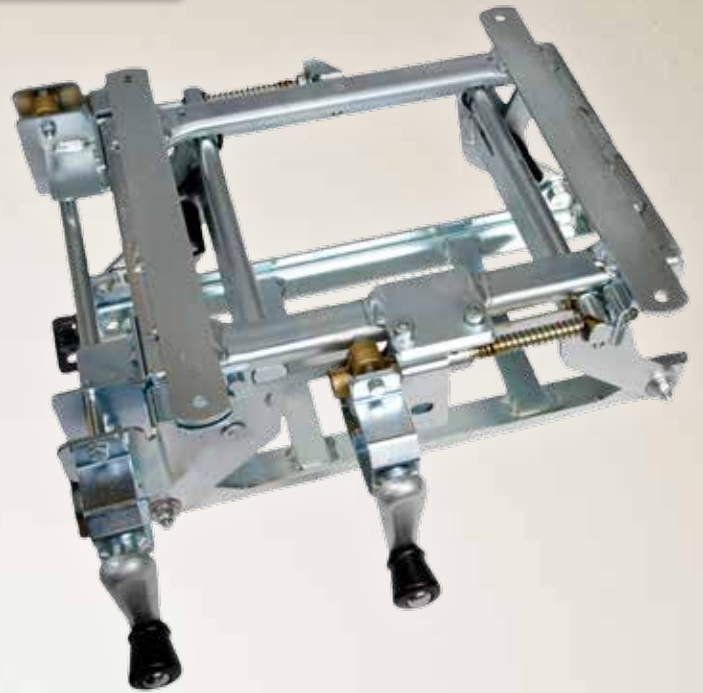
* Only certified to M3 in conjunction with related seat and fixed plinth. L/H adjustment only with gaiter for this option.

No.	CDS Part No.	Description	Notes
1	28974/5-R	Mk250 replacement slide set 160mm	DIM A - 255mm, DIM B - 328mm
1	28974/5-RL2	Mk250 replacement slide set 200mm	DIM A - 255mm, DIM B - 328mm
1	33430/1-R	Mk250 replacement slide set 160mm	DIM A - 255mm, DIM B - 304mm
1	33432/3-R	Mk250 replacement slide set 160mm	DIM A - 215mm, DIM B - 328mm (Isri Replacement)
1	30560/6/7-R	Mk250 repl. slide set 160mm (Mercedes)	Includes adaptor frame
2	28438K	Shouldered Bolt Kit	4 x Nuts/Bolts
3	30329	Top Frame Assy	
	32818	Rubber Gaiter	





SIDERISER HEIGHT ADJUSTER



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.

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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.

MAINTAINABILITY

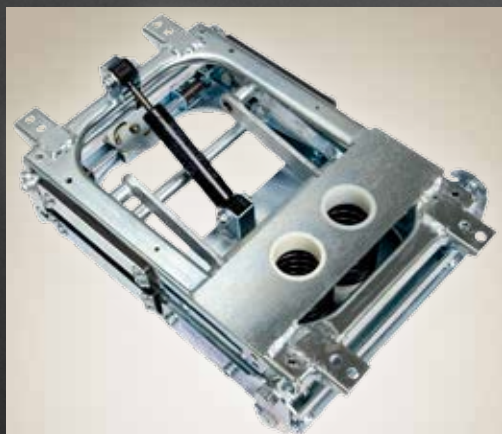
Maintaining the mechanism is now easier than ever. Lubrication of all moving parts can be conducted without removing any other part.

TESTING

To ensure that the mechanism was up to the job, accelerated life testing has been completed at Millbrook Proving facility in Bedfordshire. Accelerated life testing was specified as 190Kg driver, four seat adjustments per day, 20 hours use per day, 7 days per week, 52 weeks per year, for five years. Post testing the seat was subjected to multiple 7.3G vertical pulses with a 30st driver - the seat did not fail.

The SideRiser shares the same fixing-hole centres as current Chapman seats and Height Adjusters for ease of fitment.

SUSPENSION





Chapman know that a bus driver seat operates within one of the most harsh environments of any industry with most vehicles having multiple 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.

L/H Part No.	R/H Part No.	Type / Description	MIN	MAX	A	B	C	D	Slider Set Part No.
71510	71500	SideRiser Height Adjuster - No Gaiter (160mm Slides)	130	240	305	290	304	255	28974/5-R
72510	72500	SideRiser Height Adjuster - No Gaiter (200mm Slides)	130	240	305	290	304	255	28974/5-RL2
71511	71501	SideRiser Height Adjuster - C/W Gaiter (160mm Slides)	130	240	305	290	304	255	28974/5-R
72511	72501	SideRiser Height Adjuster - C/W Gaiter (200mm Slides)	130	240	305	290	304	255	28974/5-RL2
70011	70001	SideRiser Height Adjuster - Suspension type - C/W Gaiter	130	240	305	290	304	200	N/A
71S11	71S01	SideRiser Height Adjuster - M3 Seatbelt type - C/W Gaiter (160mm Slides)	130	240	305	290	304	200	28974/5-R
72S11	72S01	SideRiser Height Adjuster - M3 Seatbelt type - C/W Gaiter (200mm Slides)	130	240	305	290	304	200	28974/5-RL2

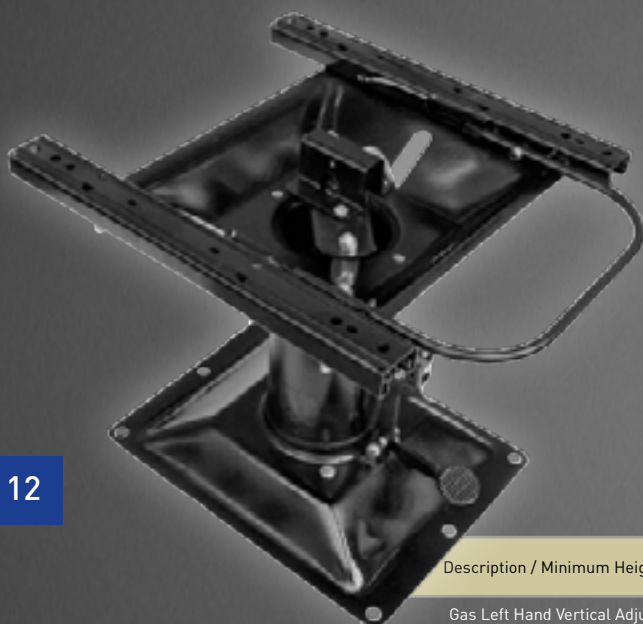


No.	CDS Part No.	Description	Notes
1	28974/5-R	Replacement slide set 160mm	DIM A - 255mm, DIM B - 328mm
1	28974/5-RL2	Replacement slide set 200mm	DIM A - 255mm, DIM B - 328mm
2	72115K	Shouldered Bolt Kit (Rear)	2 x Nuts/Bolts + Washers
3	72115K	Shouldered Bolt Kit (Front)	2 x Nuts/Bolts + Washers
4	72119	Winder Handle Assembly	
	91701K	Replacement Spindles/Trunnions Kit - L/H & R/H Adjuster type	
	91711K	Replacement Spindles/Trunnions Kit - L/H Only Adjuster type	

The Chapman NovaGlide suspension was designed specifically for the urban bus market and features a lock-out function. The unit has been tested extensively at Millbrook Proving Ground on a two-year accelerated life program using actual vehicle ride data. The suspension is designed to meet the current weight of 75kg for 95th percentile male to achieve the most effective mid-ride point. The unit can be fitted directly to the vehicle floor in conjunction with an appropriate height adjuster or an overall height can be achieved by using a fixed plinth.



MK128 / MK300 PEDESTAL HEIGHT ADJUSTER



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Description / Minimum Height (mm)	242	262	280	315	330	336
Gas Left Hand Vertical Adjustment		30104				30105
Gas Right Hand Vertical Adjustment		29946				30080
Gas Right Hand Vertical Adjustment with Foot Pedal Operated Swivel						30147
Mechanical Left Hand Vertical Adj	30965		31288	31045	30940	
Mechanical Right Hand Vertical Adj	30964		29994	31044	30939	
Mechanical Left Hand Vertical Adj with Foot Pedal Operated Swivel					30809	
Mechanical Right Hand Vertical Adj with Foot Pedal Operated Swivel					30808	
Through Floor	Yes	Yes	Yes	No	No	No
Gas or Mechanical (G/M)	M	G	M	M	M	G



No.	CDS Part No.	Description	Notes
1	29926/7-R	Pedestal Replacement Slide Set	160mm Fore/Aft Adjustment
1	29926/7-RL2	Pedestal Replacement Slide Set	200mm Fore/Aft Adjustment
2	30762	Gas Strut	
3	30762K	Gas Strut and Kit of Parts	
4	13474K	Anti-Swivel Bolt Kit	
5	30113	Gear Box & Channel Assembly	
6	30114	Spindle & Sleeve Assembly	
7	30115	Handle Assembly	
8	23125	V/A Bracket Assembly	



FIXED PLINTHS



Fixed plinths can be used to make up the height of the complete assembly when using a Mk250, SideRiser or SR2 type height adjuster.

These are available in a variety of heights as shown in the table below with floor fixing holes to suit most vehicles.

CDS part No.	Description	Notes
84800	Fixed Plinth 55mm	
80003	Fixed Plinth 150mm	
80004	Fixed Plinth 175mm	
80005	Fixed Plinth 200mm	
80008	Fixed Plinth 230mm	
84811	Fixed Plinth 185mm	Tested for M3 specification seats
84842	Fixed Plinth 110mm	Tested for M3 specification seats
84849	Fixed Plinth 200mm	Battery Boost Type

OFFICE CHAIRS



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Chapman are now able to provide custom-made office chairs with the same durable, high quality characteristics of their drivers seats. Using a high quality Italian office base and made in the UK from the same robust materials that go into the driver seats, we can provide an office seat that will last for many years.

From a basic low-back seat trimmed in moquette, to a high-back luxurious leather seat, you can be assured that this is a highly bespoke quality product made to your own specific requirements. We are able to embroider designs onto the seats and can trim them in an array of materials available from reputable UK suppliers. For further information, see our web site page or talk to us about your personal requirements on 0845 838 2305.

Option	Low Back	High Back	Integral Headrest
Standard Headrest	Optional	N/A	Included
Luxury Headrest	N/A	Optional	N/A
L/H Armrest	Optional	Optional	Optional
R/H Armrest	Optional	Optional	Optional
Probax® Seating Technology	Optional	Optional	Optional
Adjustable Lumbar Support	Optional	Optional	Optional
Moquette, Leather, E-Leather	Any	Any	Any



TRIM OPTIONS

Below is a small sample of some of the materials commonly used to trim our seats. These can be used on any of our seat range (subject to availability). For a more extensive list, please visit our web site or if there is something you want that is not shown then please give us a call on 0845 838 2305.



01 B187SC

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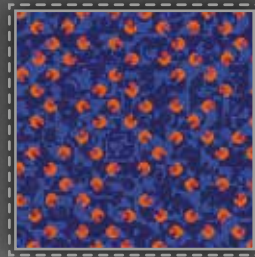
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04 FEJ401

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05 BBJH24910

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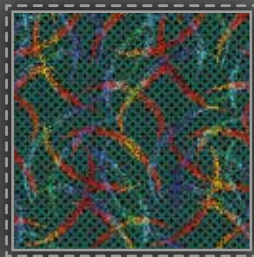
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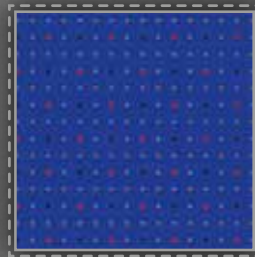
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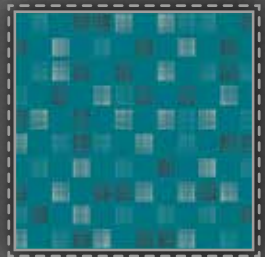
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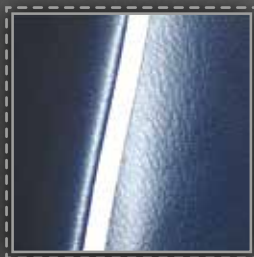
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54 BSV192

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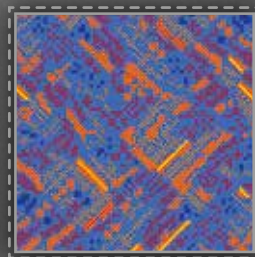
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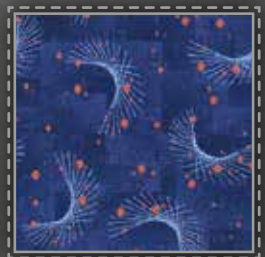
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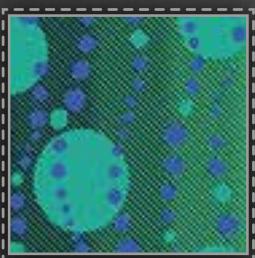
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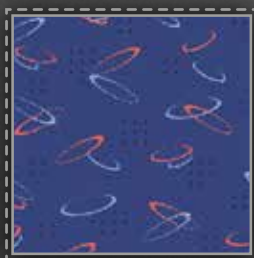
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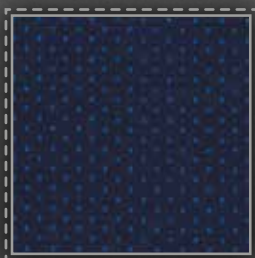
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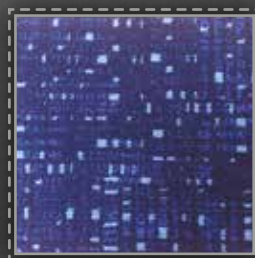
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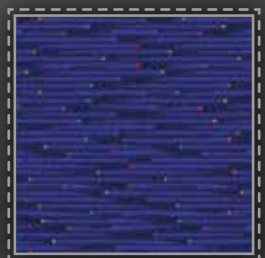
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C4 BWB054

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C6 BXA054

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