

### Background

The driver seat on the NRM buses is supplied by Chapman Driver Seating. The seat assembly is made up of 4 main elements:

1. **Seat upper** (part number **57008/LS**)
2. **SideRiser Height Adjuster** (part number **70011**)
3. **Lock-out Suspension** (part number **82000**)
4. **Fixed Plinth 55mm** (Part number **84800**)

This combination of parts makes our assembly part number 57008/LS/70011/82000/84800.

The seat upper is a Nova Urban model with integral headrest and is trimmed in black leather sourced in the UK. It features an adjustable lumbar support and recline handles on the left and right hand sides. This is a current product and all spares are readily available. (Foams, knobs and replacement covers) [www.chapmandriverseating.com/exploded/UrbanN.pdf](http://www.chapmandriverseating.com/exploded/UrbanN.pdf).

The SideRiser height adjuster was developed in 2010 and this particular version (70011) can only be used along with the lock-out suspension. Height adjustment is operated using the winder handles on the left side of the unit and offers an adjustment range of approximately 110mm.

The lock-out suspension was developed in 2011 and first went into service at the beginning of 2012. This was supplied with "travel" plates fitted to the rear of the unit and the lock-out feature at the front would have been fully engaged. We believe that many of the 1,000 vehicles in service will still be in the locked-out position.

In 2014, we introduced the next generation of height adjuster which was called SideRiser 2—or SR2 for short. This has proved extremely popular and is now the industry standard for most UK operators. The unit is very robust and has been tested at Millbrook Proving Ground for durability and Safe Working Load with a rating of 30St (190Kg). Information about this unit and the testing we carried out can be found on our website [www.chapmandriverseating.com/sideriser2](http://www.chapmandriverseating.com/sideriser2). As the SR2 has now replaced the original SideRiser unit for all new vehicles, we no longer make this older unit, so we have developed a configuration that can replace the SideRiser/Suspension combination (70011/82000) on the NRM vehicles.

The existing 55mm plinth is to be retained then fit the SR2 height adjuster and new plinth directly on top of this. This will be quicker and easier than removing the entire seat from the floor of the cab. The new plinth is our part number 80013 and is 70mm high. This can be purchased through our distributors as a separate item or pre-fitted to the SR2 height adjuster as part number 92510/80013.

Below there are images of the original height adjuster with suspension and images of the new height adjuster and plinth. There is also an image of the complete seat assembly with new height adjuster and plinth. On the next page there are drawings of the original height adjuster configuration and replacement height adjuster and plinth approved by TfL to be used when the original units need to be replaced.



Original configuration with SR1/  
Suspension assembly fitted to plinth—  
this would also have a vinyl gaiter fitted  
in service.

When replacing this with new SR2 and  
plinth, ensure original 55mm plinth  
remains in the cab.



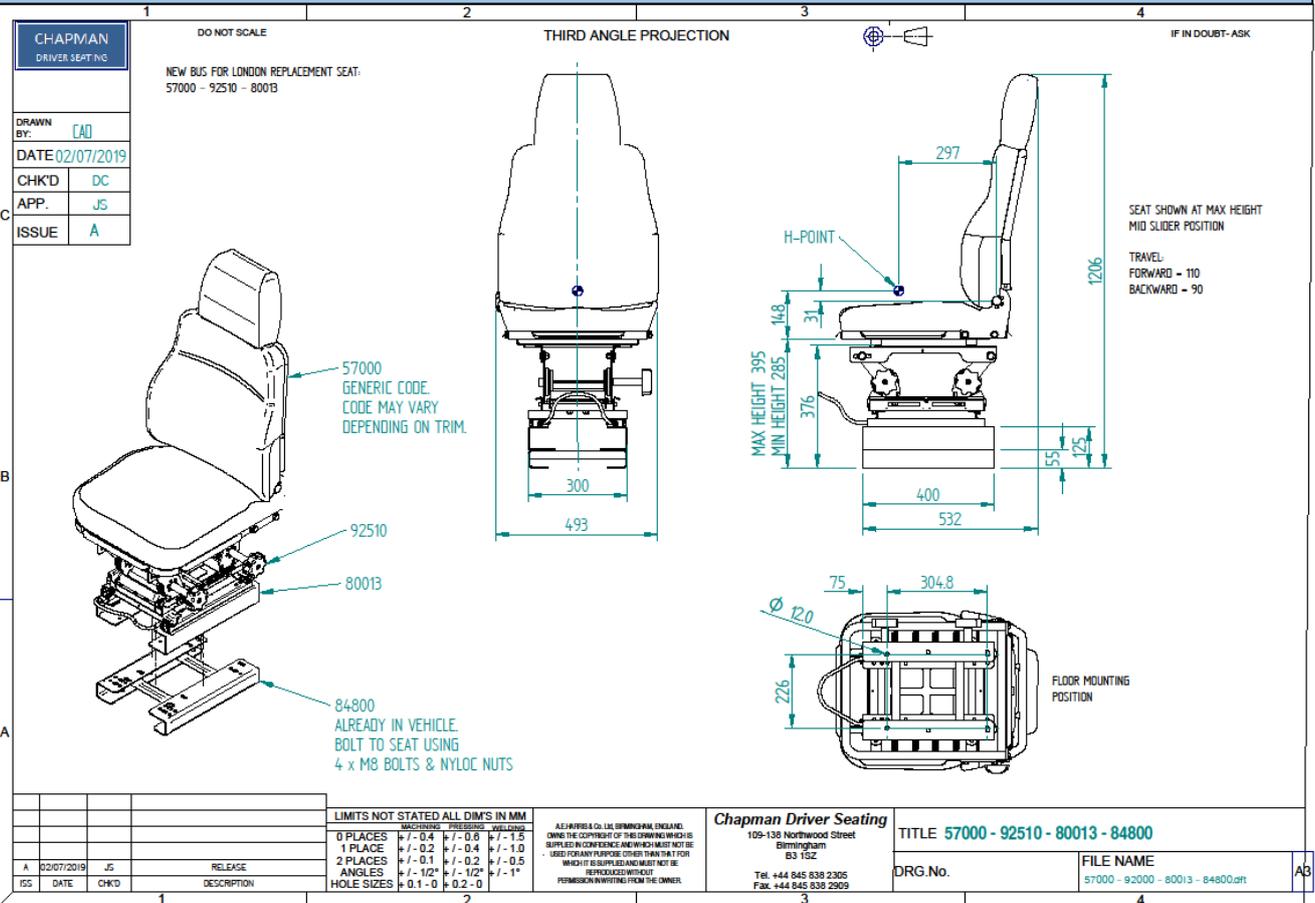
SR2 with new plinth (shown in yellow)  
on the left image.

Complete seat assembly fitted to  
existing 55mm plinth. Part number  
**57008/LS/92510/80013/84800** shown  
on the right image.



**57008/LS/92510/80013/84800**

The drawing below shows the **NEW** configuration with the SR2 height Adjuster (92510) and new 70mm plinth (80013). Fitting instructions are shown on the left of this drawing.



**57008/LS/70011/82000/84800**

The drawing below shows the **OLD** configuration with the SideRiser and Suspension.

