

Yes I manage to fit them!!

Please remember the seats are fitted with airbags and require special precaution measure should be taken when removing connectors and modifications done to the restraint system is done at your own risk, neither the author nor this site can accept any responsibility for any accident or injuries sustained whilst undertaking work referred to in this write-up or damages caused when fitting similar seats.

My D3:

2009 TDV6 GS model, plain grey cloth seats, 6 way movement on driver seat and 4 way movement on passenger seat

The replacement seats:

RRsport HSE 2010, memory, 8 way movement with electric lumbar on both seats, with bolster adjustment on driver seat, premium tan leather.

Why

It was clear after our holiday trip to Portugal that the GS model's front seats is not conducive to comfy travel especially if you travel for more than 3hours. Well then I saw the new D4 seats for sale unfortunately only available in cream leather on fleabay. I have never been a fan of leather seats an cream was not practical, was more after the 8 way movement present in the 2010 spec seats, especially the tilt option. I also wanted armrests.

Research

Hours on the web searching for info on fitting RRsport seats in D3, the same floor base so it should be possible, could not justify the money spent without being sure it would work. More info required, armed with a measuring tape I went and measure seats in 2010 D4, RR sport and Range Rover vogue cars in the sales room of my local Stratstone dealership three visits in total (3 different days), trying to determine if the seats would fit, and would it be possible to transfer plastic covers, seeing that the replacement seats had covers missing. The last visit was only possible after convincing the puzzled sale rep that I am really interested in buying a D4, but why Sir, "because the seats in my 2009 D3 are terrible for my back, these D4 seats are far better".

I was so convincing he took my details and would call me the next day with the current value of my D3 as a trade in on a manual D4 with 3.0l engine (that would keep him busy). He said it was possible well I am still waiting for his call...All the measurements concluded that there is not much difference in the size of the base of the front seats in the 3 different cars, which I thought together with angle of the seat base when you raised it to the full height was the cause of my uncomfortable travel in my D3. Who is this LR person that the seat design is based on, that has such short legs that he could be comfortable with the short base of the seat. Or is it designed for the school run operators...

In the interest of try to understand the number of wires in the seat loom I paid to download wire diagrams from Land Rover info site:

<http://topix.landrover.jlrext.com/topix/vehicle/lookupForm> Having had no training in this field did not help but I worked it out in the end.

I planned the purchase and collection of the seats to coincide with the Billing show. It did take me an hour at the supplier to decide on which set of front seats to buy(a D3 body with rear aircon did also distract me, next project..) . The choice was between RR sport and D4 seats all in cream, accept the one pair in tan colour. So I bought these:



More research was done at Billing show, with all the experts to hand. I was finally convinced by BBSpy saying that fitting the seat will not be a problem... So was able to tell my swmbo that the £££ spend was worth it and she of course believed me and shared my enthusiasm with the project...

Testing and more testing.

Well at first I did not dare bringing the seats in to our 1.5 bedroom ground floor flat, to dam heavy to carry, so testing was done at the car, what BBSpy did not know was that these seats were from a 2010 RRsport HSE left hand drive(LHD) car, this was confirmed by the missing memory model, seat rail position sensor and no seat occupation sensor on the driver's seat from a LHD. The wiring loom was far more elaborate on this seat in

comparison with the other seat and the switch pack has two extra buttons, which operate the bolster and lumbar support.

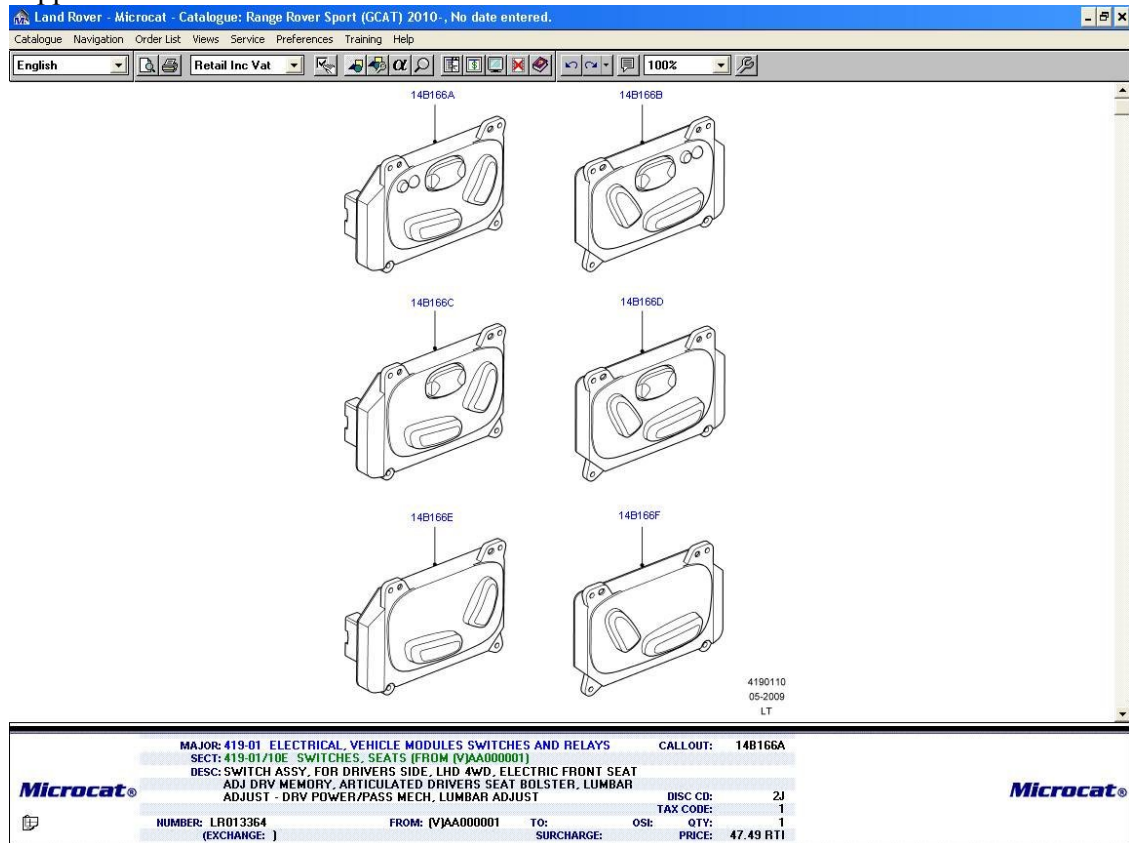


Diagram indicating different switch pack options.

I started with the ex passenger seat which had a simpler wire loom and by plugging the car loom into the car seat loom I instantly got 4 way movement in the wrong direction. This was easily rectified by swapping the connectors in the connector. I battle for days to get the remaining 4 way movement and lumbar support to work, this was finally solved by studying the wire diagram again and again and using the correct 2010 version. I found that the seat required two power supplies, which incidentally is present on the passenger side of my car. I achieved this by combining the positive and negative connectors on the seat loom and to my relive it work...its not a dud seat.

The ex-driver seat was far more of a headache because of the double wiring used in conjunction with the memory module. I tested each seat motor of which there are 4, by tracing the wires back from the motors to the seat loom connector. The motor works in different directions by changing the direction of the 12v supply current.



Photo off base with cushion removed, Note the green and grey plugs, they connect with the memory module that sits under the seat frame and a third connector that plugs into the switch pack. On the 2010 D4 and RRsport the memory switch pack is located in the drivers door not on the seat as previous models had.

Last week the weather in the flat was calm enough for me to sneak the seats into the living room, the workshop manual online advised that the seat should be removed with assistance they can be carried as well. The 12v supply was provided by a friend's 6amp battery charger and he gave me his multi tester as well, the rest of the week was spent in the living room/workshop after work and real progress was made with all the seats in bits and wire looms taken apart, I had to finish the testing before the weekend, that was the deadline before the workshop option expired..

## The Workshop



As with any DIY project you go through stages of positive and negative moments, a great moment was just as I really got fed up with the seats and was about to tidying up the loom and needed some insulation/electric tape only to find the last roll was undone and changed in to a sticky ball by my 3year old assistant and it was so funny we only laughed and bought more the following day.

### Fitting the seats.

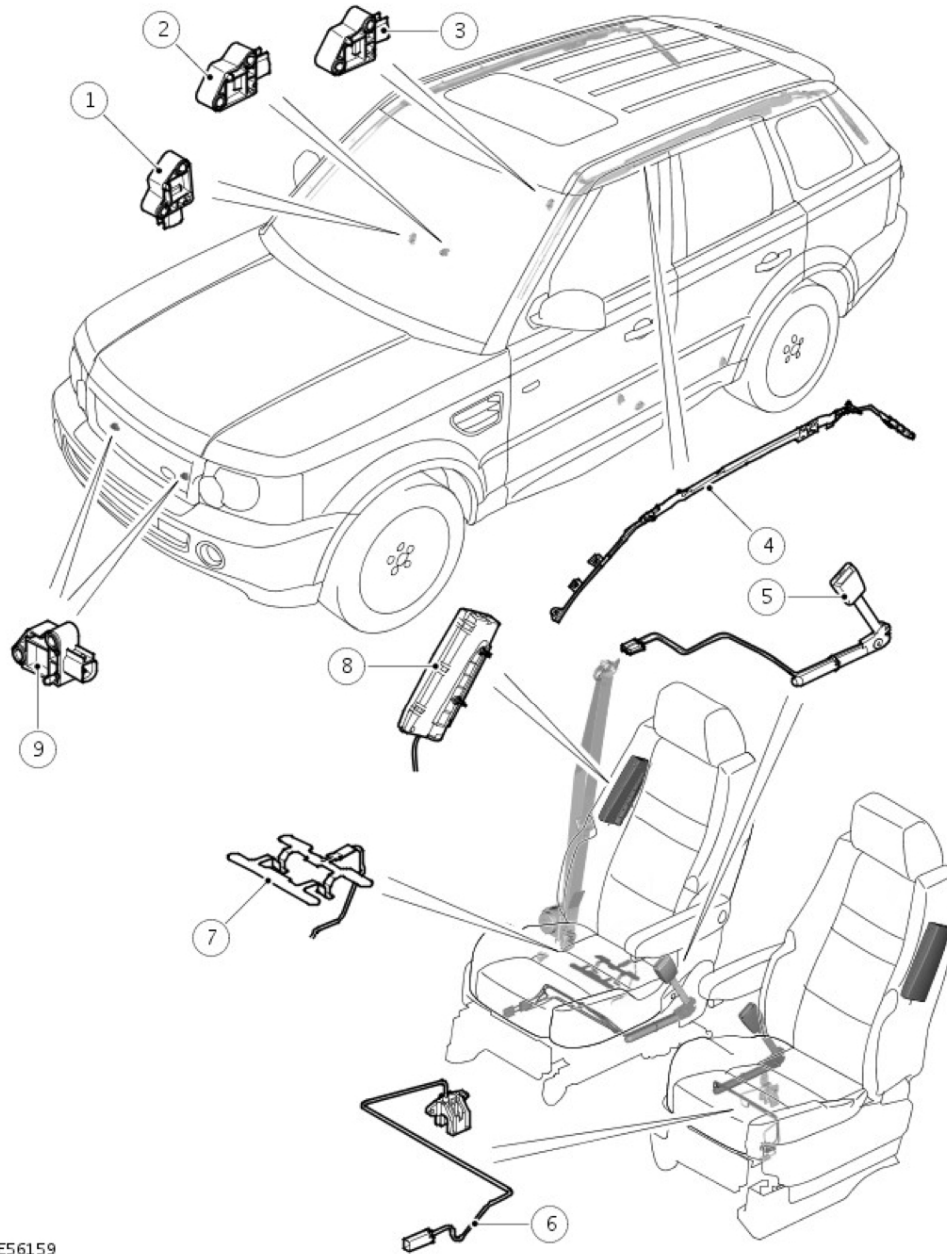
The seat base frame/rail design appear to be exactly the same as the D3's seats accept for the back and headrest, so they fit in the same holes in the floor. Connecting the seats to the wire loom in order to keep the restraint system from functioning normally was more challenging.

This involve removing the seat's occupation sensor which was very elaborate compare to the one the D3 seat (require for North American market). I removed the seat cover which was very simple, remember only to remove the back section of the base this provides enough access to extract and fit the sensor( number 7 in Restraint system diagram below).

# The Restraint System in LHD Vehicle

TOPIX - WSM-14222 - Workshop manual - Range Rover Sport (L320) 2010

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Item	Part Number	Description
1	-	Door side impact sensor

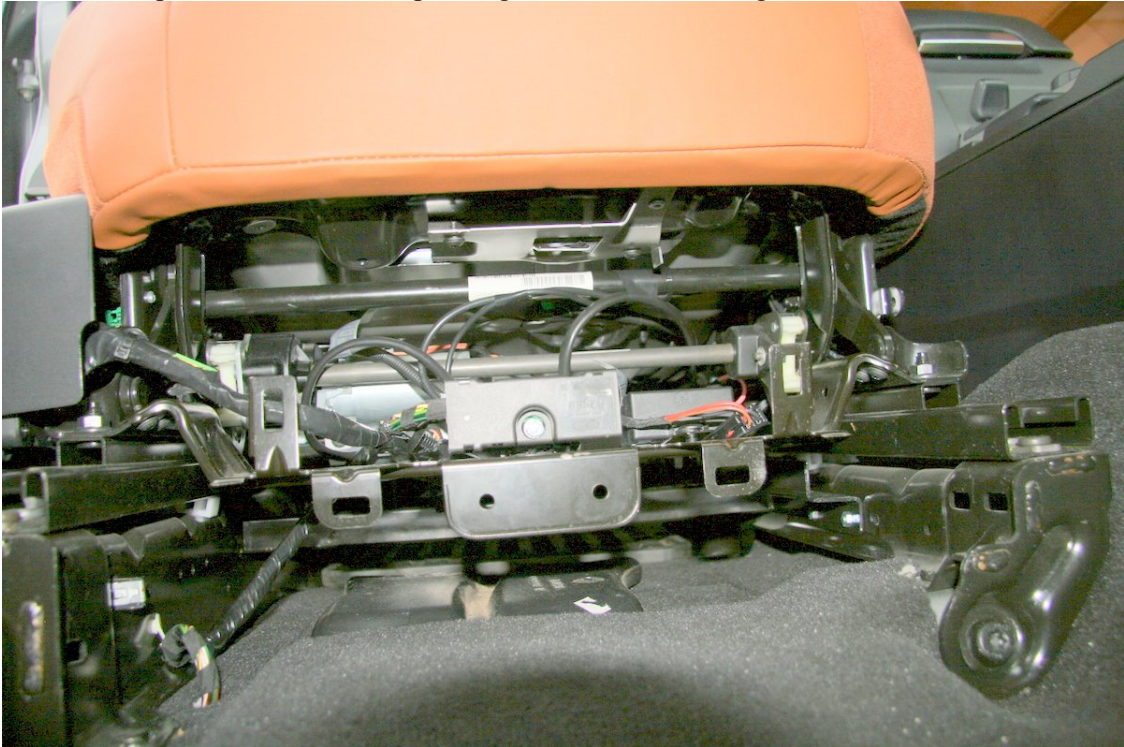


Seat sensor North American Market

I also drilled out the pop rivets securing the rail position sensor and plate and bolted it back in the new driver seat.( Number 6 in previous diagram)



Well here is the final product, seats fitted and a lovely smell of leather upholstery. The 8 way movement on the driver side and lumbar support is working fine. At the moment I can get 8 way movements by connecting a power lead from the car's 12v power socket to the relevant power socket on the passenger seat and reversing the current direct.



Driver seat above, below passenger seat with 4 power sockets. Both seats are missing front plastic covers to hide connector and loom









The final stage of completion would involve a new wire loom and switch pack for the passenger seat in order to bypass the memory function these seats was produce with. I ordered the wire loom and switch pack for the passenger seat from TLO but wire loom is on back order. Thanks again to TLO and others involved in a challenging DIY project, positive comments on the colour of the seats are welcome...Any suggestions on enabling the seat heating, without purchasing the relevant central console with a switch on each temp dial , the seats are fitted with element on base and back rest and has got what appears to be a thermostat box next to the loom connector.