

Fitting the REBB5 brackets to the Lotus Elise/Exige runners

Fits cars manufactured prior to 2017 – VIN serial number 1457



Formerly EB2



Fitting the Tillett B5 drivers seat into the Lotus Elise/Exige, based vehicles using the original equipment adjustment runners, requires the use of the REBB5 bracket set.

(for 2017 cars manufactured after VIN serial number 1457 the seat runners were changed to have 345 mm hole spacing. Therefore, these newer cars require the EBB5R 17+ brackets) The steel REBB5 brackets allow adjustment of seating angle and to lower the B5 seat within 8 mm of the floor.

Fitting

The first job is to remove the original seat from the car. Place a cover over the door sill to stop the seat from scratching the door sill as you take it out and it's best done with any soft top or hardtop removed. Use of extremely long socket extensions and ball end allen keys will help to easily remove the four M8 Cap heads holding the runners down. The seat will also need the seat belt warning wire disconnected. The original seats are held to the runners using six dome head M8 fasteners. Please keep all these bolts as these are to be used to fix the REBB5 brackets onto the runners.

The metal cross member and uprights of the original Lotus seat are not needed. The REBB5 set comes with four stainless hex bolts and Nylon spacers for width adjustment. The thickness of the Nylon spacers, may need to be altered to align the holes in the floor with the holes in the Lotus runners. With the seat being used in a RHD Elise/Exige the spacers setup should be 2mm each side in the front and none in the rear. REBB5 brackets have a number of holes to allow angle and limited height adjustment. Due to the proximity of the adjustment handle only certain positions allow adjustment. The lowest two holes are not usable as they restrict movement of the handle. They would also require spacing to the optional outer floor holes to allow the seat to pass between the runners. If the seat needs to drop extremely low, we advise using the EBB5 brackets or using this REBB5 with the ERAIL, as these have less compromise and allow a much lower position using all hole configurations.

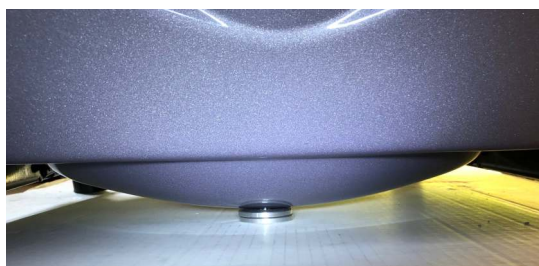


Showing why lowest front hole is not used



Showing why lower rear hole is not used

The four pictures below show the hole combinations that allow the adjustment runners to operate. Please check that the handle releases the ratchet on the runners before installation.



Second hole up at the front and rear gives the lowest position 8 mm from the floor of the car.



These positions do not allow handle operation

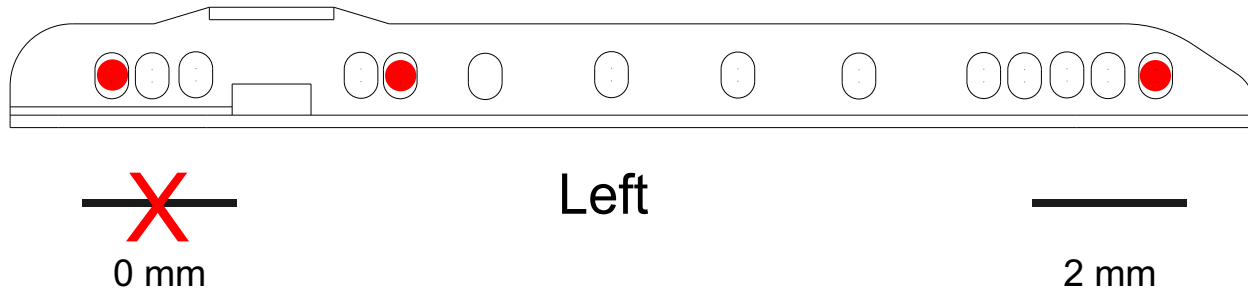
Once the angle has been selected and the runners checked for operation, next fit the hip points of the inertia reel seat belts, or the aftermarket harness to the side mounting points.

Check that any race harness that might be used has the correct size holes for the 14.5mm hip belt mounting bush. Some are smaller and a different bush may be needed. The belt attachment points will need to be fixed whilst in, or very near the car. Sitting the seat on something like 30 cm square x 150 mm thick of hard foam sheets in the cockpit space will lift the seat clear of the door sill and allow the belt to be fixed without damaging the surrounding car. Once bolted in, there is very little room for the allen key to tighten the M10 countersunk bolt. The spring should be on the inside of the mount point with the buckle and receptor to the outside. The four x M8 Stainless Hex bolts are used in preference to cap head screws so that access for a 10 mm spanner is possible whilst already positioned in the car. Leave the six dome headed M8 bolts (from bracket to runners) and the four M8 stainless hex bolts (from bracket to seat) semi loose, until you have spun the four M8 cap head floor bolts through the runners into the floor and they are freely turning in the threads. You must give yourself the best chance of getting these bolts comfortably into the delicate captive threads without stripping them. Good alignment is essential here and it is worth spending the time to get the spacer thickness correct. Make sure any carpet is clear of each hole, as trapping carpet in the holes can cause cross threading.

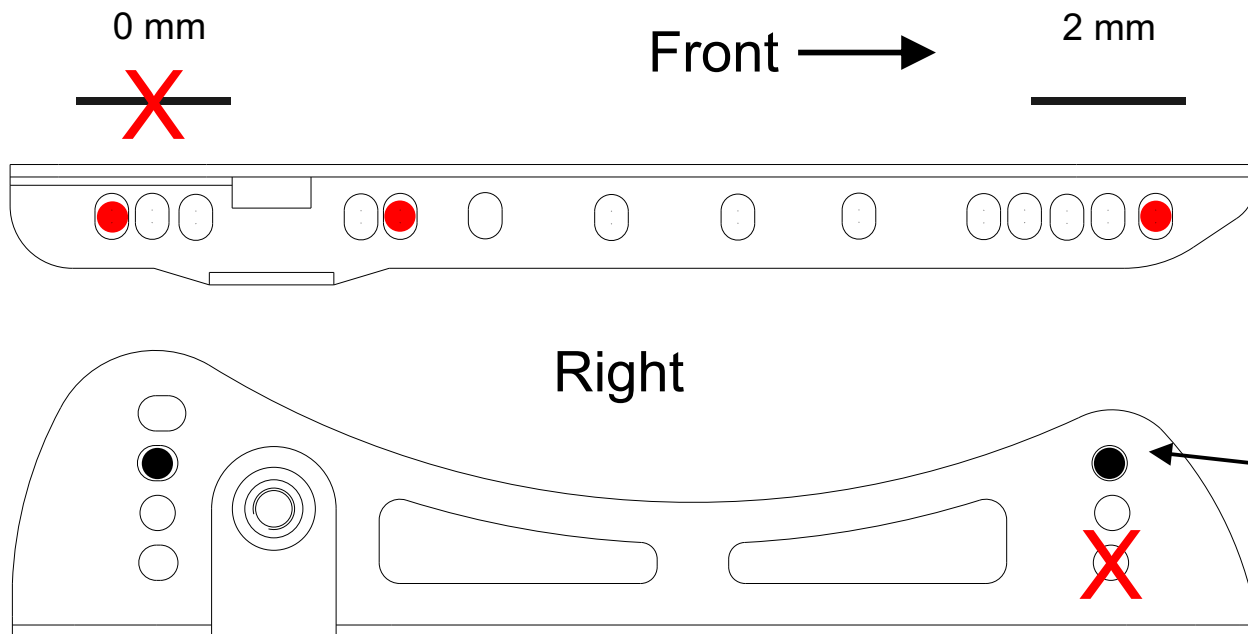
Use the original 12.9 M8 Cap head bolts and support T piece washers supplied with the car to bolt the runners into the floor of the car. Take care that an over long bolt does not get used in the blind rear holes, as it will bottom out. The original bolts should be used here and it should be noted that the front bolts are longer than the rear. Once you are happy the floor bolts are in the threads, fix these down first, then the side of the seat and lastly the six dome headed bolts that fix the bracket into the runner. If you find yourself too far from the steering it is advised to use a steering boss extension rather than attempt to tip the seat too upright.

Fitting the REBB5 bracket to the B5 RHD driver seat and OEM Lotus Elise/Exige runners

Fits cars manufactured prior to 2017 – VIN serial number 1457 (Use EBB5R 17+ for newer cars)



Nylon spacers of different thicknesses are used between seat and brackets to set the B5 seat correctly for the drivers seat on runners.



REBB5 fitting kit



Be careful with the front bolts that fix the seat and REBB5 as they must not pass into the composite by more than 15 mm, otherwise they bottom out on the inner skin.