



EBF2 bracket fitting advice

Here are some tips for a safe and secure fitting of the EBF2 brackets into the Lotus Elise, Exige and Vx220 using the following models of Tillett car racing seats.

B6 Screamer, B6 40 Screamer

B6 XL 43 Screamer

B7-44-17, B7-40-17

B6-44, B6-40, B6-43 XL

(Only suitable when supplied with side mount option)

The **EBF2** is a very high quality billet aluminium bracket and it is designed primarily to fit the B6, B7 and the B6-43 XL drivers seats into the Lotus Elise, Exige and Vx220. The brackets are clear lacquered and extremely lightweight with a pair weighing only 0.7 kg.

To reduce the width at the base of the bracket to the absolute minimum, the B6/B7 seats have a slight 2 degrees negative camber on the sides and the EBF2 has the angle to match this. The slots in the base of the brackets are used to take up this change as you move the bracket to the various hole choices on the sides. The multiple holes in the bracket are used to position the seat at different angles and leg lengths. Using only the bottom set of holes will result in the base dome fouling the floor. Therefore, it is not possible to use one hole from the lower row without the other bolt being in a higher row.

The first task is to identify which of the floor holes to use and subsequently how many aluminium or nylon spacers will be needed at each mounting point, between the seat and brackets. If the wider B6-43 XL or the FIA Screamer B6-43 XL is to be used you will need 2cm fewer spacers than for the standard width seats.



You will use around 12mm in the standard seat and as little as 2mm in the XL. Should you wish to move the seat a little sideways, it is possible to reach the outer set of captive M8 holes embedded in the Lotus floor. To achieve this you may need more spacers. However, please note that for bolt strength, it is desirable to use as few spacers as possible.

Use of the EBF2 brackets for XL passenger seats is not possible. For the XL 43 passenger seat please use the EB4.



The EBF2 supplied spacer kit has the following fittings.

4 x 4 mm thick 40 mm diameter aluminium spacers

4 x 4 mm thick 40 mm diameter nylon spacers

4 x 2 mm thick 40 mm diameter nylon spacers

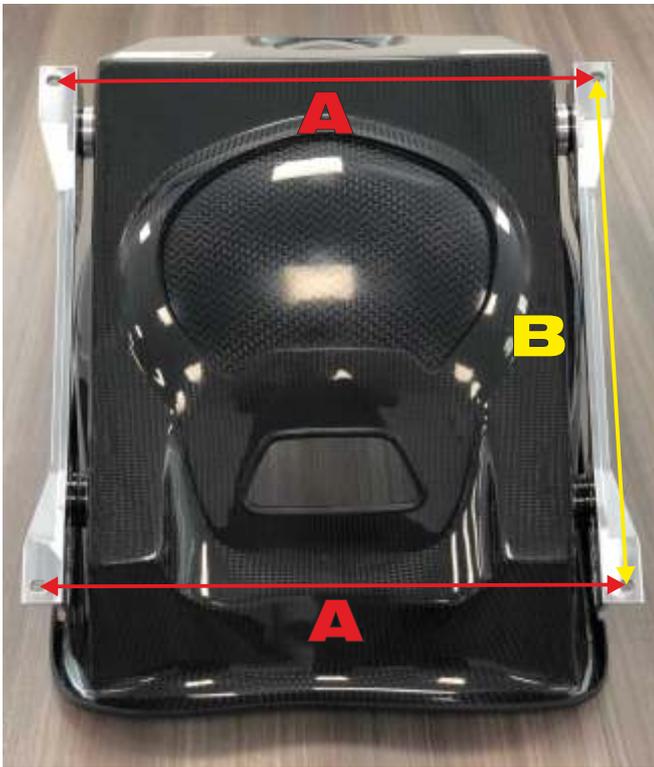
4 x 30 mm cap head M8 bolts

4 x M8 zinc washers

Combinations of these spacers are used to attach the seats in the various settings. If the spacers are used and appear above the brackets, it is advised to use the aluminium spacers as the first spacer against the bracket. Please make sure there is at least 10mm of 12.9 strength M8 bolt passing into the captive thread. A longer bolt will be required if spacers of over 12 mm are used. The kit bolt is 30mm long. The longer bolt should also be 12.9 strength. We recommend a torque setting of 35nM when fitting the bracket to the side mounting points.

Tillett Racing Seats

Styles Close, Sittingbourne, Kent, ME10 3BF, England
Tel :+44 (0) 1795 420 312 email: production@tillett.co.uk
www.tillett.co.uk



**Showing the standard width B7-44-17
with 12 mm of spacers**

When spacers are used the aluminium spacers in the kit should be used at the rear mountings for a more solid fix at the main load points.



**Showing the B6 XL 43 Screamer
without spacers**

The XL is a tight fit in a Lotus so there will not be many spacers unless you choose an offset position to avoid a roll bar. More spacers may be added one side to reach the other captive holes in the floor of the car.

**B6 standard (side mounted version),
B6 Screamer, B6 40 Screamer,
B7-44-17 and B7-40-17**



Set on the upper holes at the front middle hole at the rear with the base skimming the floor using 12 mm of spacers, the **A** dimension is 50.2 to 50.8 cm using only the slots to give adjustment.

The **B** dimension is always 38.3 cm.

The Lotus has a dropped floor and the captive fittings are lifted from the domes lower plane. Hence the addition of 1 cm spacers between the bottom of the brackets and the floor.

**B6 43 XL (side mounted version),
B6 43 XL Screamer**



Set on the upper holes without spacers, the seat dome will skim the floor. The **A** dimension is 50.7 to 51.3 cm using the slots to give adjustment.

The **B** dimension is always 38.3 cm.