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Elise / Exige S2 Side Skirts Fitting Guide

R01SB0249, R01SB0250

Introduction

These side skirts help to reduce drag and increase down force by stopping air from the sides of the car trying to fill the low pressure void created under the elise / exige under floor which of course is generating down force. The performance of these side skirts can be further improved by the use of the wider rear floor and wider rear diffuser, with longer and deeper vanes to work with racing dampers giving reduced rear droop suspension travel.

Full aerodynamic data can be found by following this link
http://www.reverie.ltd.uk/en/data/techdata.php

Parts Available:

R01SB0249	Elise S2 / Exige S2 Horizontal Sill Extensions LH & RH Pair (Fits Std Clamshell with Std Arches)
R01SB0250	Elise S2 / Exige S2 Horizontal Sill Extensions LH & RH Pair (Fits Std Clamshell with ReVerie Front Wheel Arches)
R01SB0248	Elise S2 / Exige S2 / 2-Eleven, Wider Width Rear Floor Section (With 3 Naca Ducts)
R01SB0251	Elise S2 / Exige S2, Long Rear Diffuser, 270/630/270 Three Element (For Wider Mid Floors Only, 3 Fixing Holes)
R01SB0252	Elise S2 / Exige S2, Long Rear Diffuser, 270/630/270 Three Element (For Wider Mid Floors Only, 5 Fixing Holes)

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Tools Required

10mm spanner

Drill and drill bits

Rivet gun

Nutsert or Rivsert insert gun to fit alloy inserts to chassis rails

Metric allen key set

Sandpaper and block of various grits

Parts supplied

10 off M6 alloy nut sert / Rivsert inserts

10 off M6 X 20mm S/Steel button head bolts

10 off M6 X 25mm S/steel washers

6 off M5 X 20mm S/steel button head bolts

6 off M5 X25mm S/steel washers

	1. Jack up the car carefully as per lotus handbook instructions and support on four axle stands safely.
	2. Unbolt the three forward rear floor section side mounting bolts each side. Then offer the side sill up in place and re-fit with three c/sunk bolts and alloy c/sunk washers (supplied).
 	3. Support the front of the sill up on blocks against the chassis and adjust it so it fits and looks even. Do this on both sides of the car. Once happy drill through into the chassis and the fibre glass sill through the additional holes in the panel, use a 4mm then a 9mm drill bit. Note; the side skirt may not fit square to the chassis but all fixing holes should locate properly through the side skirt slots
	4. Fit self-adhesive EPDM sponge rubber 50mm x 2mm strips 1.65m long to each outer side aluminium chassis strip to stop corrosion between the carbon sill top and aluminium chassis, then remake the holes through the foam

	5. Fit the M6 alloy rivserts into the fibre glass sill as shown, one front and one rear.
	6. Fit the 3 off M6 alloy rivserts into the chassis as shown.
	7. Put all c/sunk washers and bolts in and tighten up all.
	8. Carefully lower the car to the ground. **Then importantly** for best appearance push the rubber edging on so that the seen side fits snugly without creases, this will leave the non seen underside slightly creased. This rubber edging has been bonded using a super glue adhesive just along the centre length.

WARNING, MOTORSPORT OR DRIVING CAN BE DANGEROUS RESULTING IN DEATH OR PERSONAL INJURY.

READ OUR FITTING INSTRUCTIONS CAREFULLY

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UV-PROTECTION

Please Note Epoxy Pre-preg products are not UV stable. Texallium products are particularly liable and can yellow in only 2 – 6 weeks. The epoxy resin will 'yellow' with prolonged exposure to UV radiation and material strength properties will slowly deteriorate. We recommend exterior products or those exposed to constant UV are either regularly treated with UV polish or screens such as Armour-all or 606 protect ant or colour painted or at least Lacquered. We use predominately 2K car lacquers of medium solids, the DBS range has been found very suitable, although people have had equally good results with Urethanes varnishes and epoxy clear coats.

The surface should be sanded with 180, 240 then 320 grit and a cleaning solvent used to remove grease or dirt prior to paint application. Several coats may be required (normally 3 to 4 light coats) to avoid pin-holing, common with painting composite products. Pin holes may be dubbed in carefully with a brush, then wet flatted for a final application of 3 thin coats. **Let air dry only**, you may stove the paint at 70'c once fully air dried.