

Elise S1/S2 STD & 111s Diffuser Fitting Guide

Introduction

This range of carbon diffusers is designed to be a direct bolt on replacement for the standard alloy items. They are extended rearwards and the vanes downwards to try and offer improved down force and of course provides the additional cosmetic lustre of being high quality pre-preg carbon.

Important note: Our Diffusers when fitted do not meet the minimum radius required for highway use which may vary from country to country and state to state due to they're sharp edges, rubber edging is not included in the kit due to ReVerie Ltd's intention that they're use be for track and not highway.

Never fit a rear diffuser to a catalyst equipped 111r unless it has the heat shielding laminated in as supplied by us to the relevant upper surfaces. The exhaust heat can delaminate the fibres and possibly cause a fire risk.

Our rear diffusers have also only been tested on cars with std exhaust systems, We cannot guarantee the longevity / safety of the diffuser when fitted on a car other than listed with a non factory standard exhaust system. Please be particularly careful where the silencers / catalysts / turbo charger if fitted and exhaust pipe work may run close to, or hotter to the diffusers surface.

It is the consumer's responsibility to ensure sufficient clearances and or additional heat shielding as required. Diffusers that have good airflow over there upper and lower surfaces can present less problems, but again the situation of a car at full load on a rolling road, or idling after some quick laps must be considered.

Available Diffusers

Elise S1 Rear Diffuser, Short Single Element	R01SB0045
Elise S1 Rear Diffuser, Std Single Element Rear Diffuser	R01SB0120
Elise S1 Rear Diffuser, Long Single Element	R01SB0055
Elise S1 Rear Diffuser, Long Three Element	R01SB0056
Exige S1 Rear Diffuser, Long Three Element	R01SB0083
Elise S2 Rear Diffuser, Single Element	R01SB0040
Elise S2 Rear Diffuser, Three Element (could fit to S2 111s by purchasing S2 std no plate bracket etc (lotus))	R01SB0109
Elise S2 Rear Diffuser, Five Element (could fit to S2 111s by purchasing S2 std no plate bracket etc (lotus))	R01SB0110
Elise S2 111s Rear Diffuser, Three Element (can fit to a standard S2 elise by purchasing S2 111s no plate bracket etc (lotus))	R01SB0039
Elise S2 111r / Exige S2 111r Rear Diffuser Three Element with heat shield (Std Exhaust Version)	R01SB0092
Elise S2 111r / Exige S2 111r Rear Diffuser Three Element with heat shield (Stage 2 Exhaust Version)	R01SB0112
340r Rear Diffuser With Support Channel	R01SB0048

Fixings Enclosed:

18* M5 S/steel penny washer 20mm diameter (can use 25mm if OOS)

18* M5 *16mm s/steel M5 Cap hex bolt (can use 20mm if OOS)

2 * M8 *30mm s/steel button head bolts

2* M8 * 30mm s/steel washers

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

READ OUR FITTING INSTRUCTIONS CAREFULLY

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We take no responsibility for the incorrect use and / or installation of REVERIE products.

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Lotus Elise S1 Short

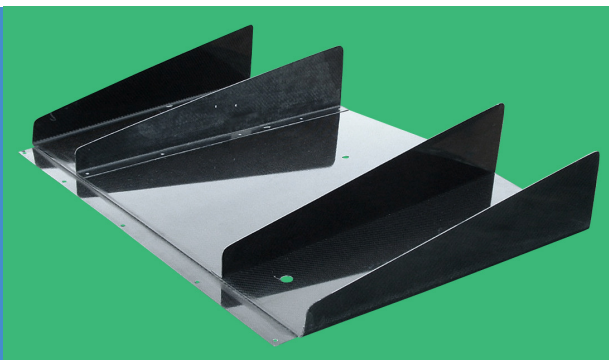


Lotus Elise S1 Std

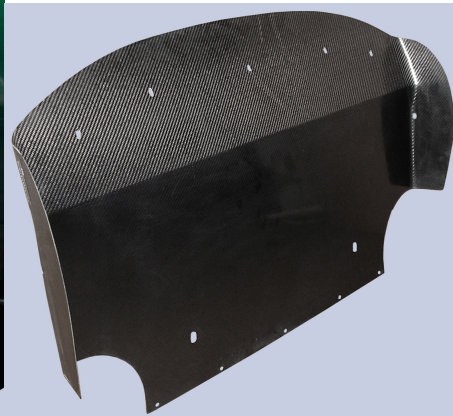


Lotus Elise S1 Long, Single Element, *Three Element Version also available (similar to below)*

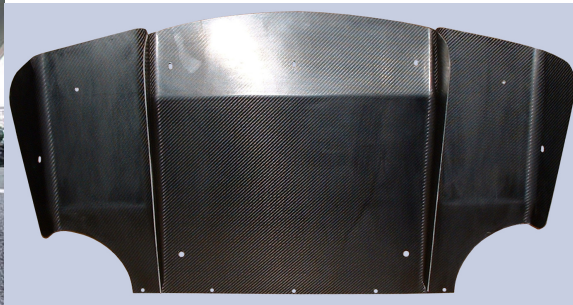
N.B Requires outer two fixing holes to be re-drilled in Clam Shell



Lotus Exige S1 Long 3 Element (*N.B Requires outer two fixing holes to be re-drilled in Clam Shell*)



Lotus Elise S2 std



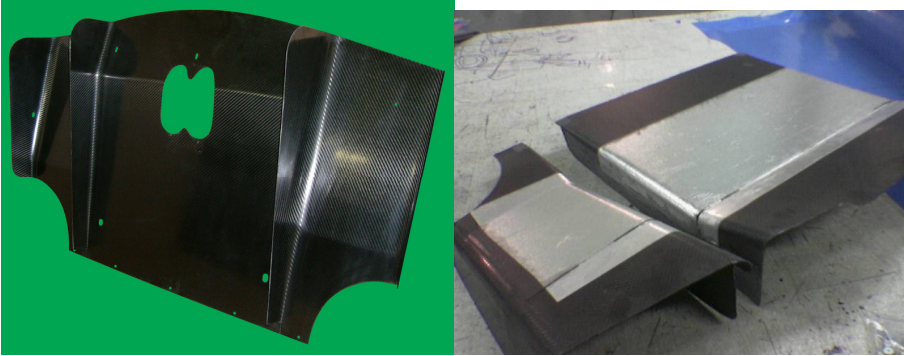
Lotus Elise S2 111s



Lotus Elise S2 Three Element (non 111s / 111r)

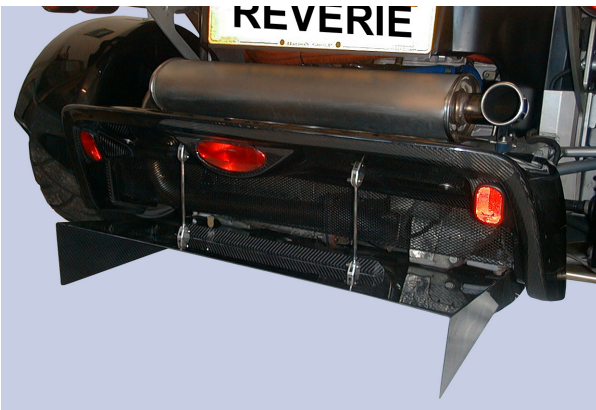


Lotus Elise S2 Five Element (non 111s/111r)

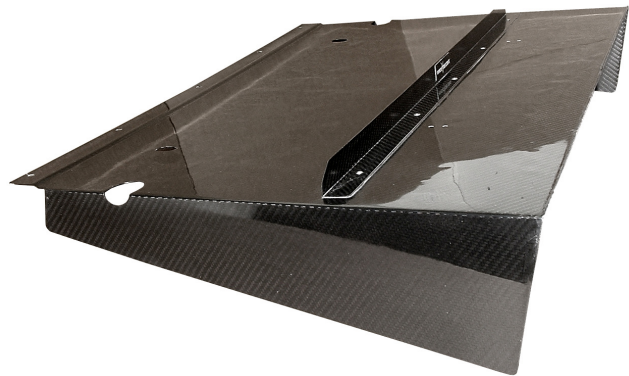


Lotus Elise S2 111r / Exige S2 111r Specify std or stage 2 exhaust cut out

Please note heat shielding as fitted by us to upper side of centre and LH vane
Essential on the standard catalyst equipped car to reflect the exhaust heat.



Lotus 340R rear diffuser



Tools and Materials Required

No specialist tools or equipment are required to fit this diffuser.

Metric Allen key set

10mm spanner

UV-Protection / Deterioration of properties





Please Note Epoxy Pre-preg Carbon and Glass or Aramid products are not UV stable. Texallium products are particularly bad and can yellow in 2-6 weeks. The epoxy resin will 'yellow' with prolonged exposure to UV radiation and material strength properties will slowly determinate. We recommend exterior products or those exposed to constant UV, are either 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. Pinholes may be dubbed in carefully with a brush, and 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.

Instructions

Please note that if wanting to fit R01SB109/R01SB110 to an s2 111s, S2 111r or S2 exige 111r then you will need to purchase a rear diffuser conversion kit from hangar 111 or sector 111, or alternatively buy the steel centre panel and side panel closures from Lotus Cars limited from the standard S2 K series elise.

Fitting is so simple on all, we have shown the S2 STD Elise variant only.
Please read fully before starting installation.

	<p>1. View of standard S2 Elise diffuser</p>
	<p>2. Un-bolt all bolts around rear perimeter and side flanks. Un-bolt 5 bolts at front joint to centre floor unbolt two Allen headed bolts that go into the rear sub frame. Drop diffuser, remove 5 * M5 deep threaded U-nuts from front edge and slip them onto carbon part.</p>
	<p>3. Fit carbon diffuser in place and replace and tighten all fixings</p>
	<p>4. Close up shot showing extended downturn side flanks.</p>