

ELISE/EXIGE S2 Positive Louvre Wheel arch vents

R01SB0241, R01SB0242

Introduction

These Positive louver vents are designed and styled to let higher pressure air out from under the wheel wells which would normally be creating a lift and drag force.



Parts included

Front or Rear Pairs of carbon Positive Louvers

CAD templates for cutting holes in clamshell front or rear

Tools Required

We recommend you have these professionally fitted by a bodyshop

Dremel with carbide cut off wheel or right angle air grinder and 3" cut off wheel

Goggles, ear defenders, P2 Dust mask and gloves

3m 50mm roloc grinding disc and holder for right angle airgrinder

Quick set adhesive MMA 5020/5030 or slower Epoxy such as Dp490

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1. Loosen wheel bolts. Jack up car carefully following lotus owners manual instructions for correct procedure. Support on axle stands. Remove wheels and plastic inner arch liners. Cut around Cad drawings for the aperture you need to cut. Then put Cad drawing carefully into position on top of each Arch where you intend to fit louvers. Check below that you are happy with the positioning.



2. Cad drawing shown in position on front Clamshell.



3. Hole shown cut in front clamshell, masking tape applied first to reduce risk of chipping paint or scratching.



4. Hole shown cut in front clamshell, masking tape applied first to reduce risk of chipping paint or scratching.



5. Note how wiring grommet bulkhead section has been cut away inside rear clamshell. Try the louver panels in position, carefully sand and file the cut aperture to achieve a good fit. The underside of the clam may also need grinding to reduce its thickness slightly to make a good fit.



6. Cut wood canes to length to allow the louver panels to be pushed home into position tightly against the clam from the underside as shown. Once you are sure you are ready, acetone the underside of the clam, sand and acetone the bond perimeter on top of the louver panel.



7. Apply adhesive to the perimeter of louver and bond in place and wedge up with the canes. Some times some deep sockets and strong tape are needed on the top side of the clam to also apply some pressure if any ripples need to be removed in the clam whilst bonding.



8. Front Nearside (UK) Vent shown Fitted, if done carefully no paintwork is required.



9. Rear Nearside (UK) Shown Fitted, if done carefully no paintwork is required.

10. Cut an opening in the right position in the inner plastic wheel arch liners and fit a fine stainless wire mesh with alloy peel rivets to stop stones and to allow high pressure air out. Refit inner arch liners, refit wheels, lower car to ground, re-torque wheels to manufacturers specifications.

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

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