

EXIGE S3 V6 ADJUSTABLE Swept Tailgate Mounted 310mm L/Drag WING

R01SB0583



R01SB0583 310mm L/Drag Tailgate Wing



Previous Wind Tunnel Experience

INTRODUCTION

ReVerie have available a range of high performance wing profiles, these profiles have been designed using advanced CFD software and also from various profiles being studied and tested in MIRA's Wind Tunnel. Our Wings feature clever internal autoclaved carbon stringers running the length of the wing to add high strength and little weight.

You can order your Exige V6 Tailgate mounted low drag 310mm wing In any width, the default is 1300mm and it is advised to not go wider due to aerodynamic forces on the tailgate. For Higher downforce we recommend our 310mm Clam mounted wing.

<http://www.reverie.ltd.uk/en/data/techdata.php> for wind tunnel and cfd data on the profiles.

Experienced Fitters only for fitting wing. Check before drilling holes in clamshell, best to loosely position carbon/foam uprights in foam first and bolt alloy supports to lower side wing tabs so threads on alloy mounts underside approx 900mm apart as boot drill template. Position all first for a visual check.

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

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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 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.

LOTUS DISCLAIMER

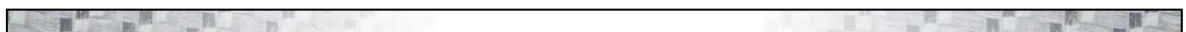
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EXIGE S3 V6 ADJUSTABLE SWEEP TAILGATE MOUNTED REAR WING KIT CONTENTS

- 1 X CARBON 310mm low Drag REAR WING & Lower tabs fitted
- 2 X Black Powder coated 12mm CAST ALUMINIUM Swept Boot Mounts
- 4 X M6 X 30mm Cap head bolts S/Steel (to fix wing tabs to alloy supports)
- 8 X M6 X 14 dia Washers S/Steel (to fix wing tabs to alloy supports)
- 4 X M6 S/Steel Nyloc Nuts (to fix wing to supports)
- 4X M6 X 20mm Cap head bolts S/Steel to fix internal boot supports, through clam to alloy mounts
- 4 X M6 X 20 dia Washers S/Steel to fix internal boot supports, through clam to alloy mounts

FITTING INSTRUCTIONS

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A.



Open the tailgate and unbolt the standard rear wing.

B.



Bolt the Spacers to the alloy Wing supports first, then Bolt the assembled Wing supports to the Tailgate, refitting the OEM foam gasket from the old removed wing. Then Bolt the wing on top of the Alloy Supports.

Check your tailgate height stops (underside of tailgate at rear each side) are adjusted each side to provide the maximum support to the tailgate corners whilst still allowing the tailgate to shut.

C.

THE WING'S ANGLE OF ATTACK CAN SIMPLY BE ALTERED BY MOVING THE REAR BOLT EACH SIDE INTO A DIFFERENT HOLE IN THE ARRAY OF 9 HOLES.



WITH THE VEHICLE ON A FLAT SURFACE AND THE RIDE HEIGHT EQUAL ALL-ROUND, SET THE WING TO THE ANGLE OF ATTACK YOU REQUIRE. TUNE THIS AT A RACE CIRCUIT OR WIND TUNNEL TO GIVE A NEUTRAL AERO BALANCE. NOTE ADD APPROX 2 DEGREES TO THE READING AS IT SHOULD BE TAKEN TO THE CENTRE OF FRONT WING RADIUS NOT TOP.