

MULSANNE C/ XC/ XRC AND 340 SPEC DRIVERS SIDE SUB-FRAME CONVERSION KIT FITTING INSTRUCTIONS

FOR C111 TYPE SUB-FRAMES (**R01SI0039** and **R01SI0053**)

ELISE S1 (std), ELISE S2 (pre VIN:72400),

ELISE 111R (pre VIN:32403),

EXIGE S1 (std), EXIGE S2 (pre VIN:82395).



Mulsanne C



XC



XRC

INTRODUCTION

Mulsanne C/ XC/ XRC are twin skin carbon seats developed for applications where light weight and extreme stiffness are of priority, both the front and back of the seats have a high quality Auto-clave moulded gloss finish.

These performance seat's have been specifically developed for the Lotus Elise S1/S2/111R/Federal, Exige S1/S2, 340R and VX/VXR220 range of cars with tailored fitting kits to suit each model (when ordering you should state Lotus/Vauxhall model and chassis VIN no). Due to the compact dimensions of the seat's they have also proven to be an ideal fitment to vehicles with limited cockpit space.

WARNING, MOTORSPORT OR DRIVING CAN BE DANGEROUS RESULTING IN DEATH OR PERSONAL INJURY. READ OUR FITTING INSTRUCTIONS CAREFULLY

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Mulsanne C, XC, XRC(Narrow) Fitment

Drivers Seat Fitment Requirements:

No adaptor kit required for:

Elise S1 (std), Elise S2 (pre VIN;72400), Elise 111R (pre VIN;32403), Exige S1 (std), Exige S2 (pre VIN;82395). When using the original factory 3-point seat belt. 340R (std), Exige S1 Sport, VX220 (std). When using 3/4/5/6- point harness belts.

Mulsanne C sub-frame conversion kits ([R01SI0039](#)-RHD, [R01SI0053](#)-LHD) - Required for;

Elise S1 (std), Elise S2 (std), Elise 111R, Exige S1 (std/sport), Exige S2 (std/sport). When using 3/4/5/6-point harness belts.

Passenger Seat Fitment Requirement:

No adaptor kit required for:

Elise S1 (std), Elise S2 (pre VIN;72400), Elise 111R (pre VIN;32403), Exige S1 (std), Exige S2 (pre VIN;82395). When using the original factory 3-point seat belt.

340R (std), Exige S1 Sport, VX220 (std). When using 3/4/5/6- point harness belts.

Mulsanne C sub-frame conversion kits ([R01SI0063](#)-RHD, [R01SI0064](#)-LHD) - Required for;

Elise S1 (std), Elise S2 (std), Elise 111R, Exige S1 (std/sport), Exige S2 (std/sport). When using 3/4/5/6-point harness belts.

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.

PART NUMBER IDENTIFICATION

Reverie part numbers are in red eg **R01SI6002A**

Lotus part numbers are in green eg **A111V0012J**

SUB-FRAMES GENERAL INFORMATION

Reverie Ltd recommend The Elise S1 (std), Elise S2 (pre VIN:72400), Exige S1 (std) and Exige S2 (pre VIN:82395) type sub frame's should only be used with conventional type seat belts, and **not 4/5/6 point harnesses**, due to the single shear anchoring on the out side of the sub frame. However ReVerie Ltd manufactures a conversion kit that modifies the above mentioned drivers side sub frame's to 340R (type A340) spec, allowing the safe fitment of 4/5/6 point harnesses. The GM:919/LOTUS:A122 type passenger side sub-frame's need to be replaced with a Lotus A340 type passenger side sub frame. A full passenger side A340 sub-frame kit is available from ReVerie Ltd.

The owner should refer to the MSA blue book for the correct installation of harnesses for competition.

Part Numbers

EXIGE S2 SPORT,

VX220.

RHD **9197354** GM Adjustable driver's side

LHD **9197355** GM Adjustable driver's side

RHD **9197352** GM Fixed passenger side

LHD **9197353** GM Fixed passenger side

RHD **C116U0068F** Lotus Adjustable driver's side

LHD **C116U0067F** Lotus Adjustable driver's side

RHD **A122U0068F** Lotus Fixed passenger side

LHD **A122U0067F** Lotus Fixed passenger side

GM:919 and LOTUS:C116/A122 to A340 spec sub-frame conversion kit

Drivers side conversion kit

RHD **R01SI0039**

LHD **R01SI0053**

Passenger side 340R sub-frame kit

RHD **R01SI0063**

LHD **R01SI0064**



Drivers side conversion kit shown

FITTING KIT CONTENTS

MULSANNE C/ XC/ XRC AND A340 SPEC SUB-FRAME CONVERSION KIT TO
GM:919/ LOTUS:C116/A122 TYPE SUB-FRAMES

GREEN = FITTING KIT CONTENTS SUPPLIED BY ReVerie Ltd.

RED = RETAINED FROM OLD SEAT REMOVAL

Drivers side (double sheer conversion kit)

Rear

2 * Bolt Cap head M8 * 20mm (12.9 spec)

2 * Washer Penny M8

2 * Bolt Lotus spec double sheer (long) 7/16 * 43mm (R01SI6037)

2 * Spacer Lotus spec steel double sheer 7/16 (R01SI6047)

2 * Spring spacers (R01SI6038)

Front

2 * Nuts M8

2 * Washers small OD M8

Subframe

1 * Outside double sheer bracket (RHD=R01SI6042 LHD=R01SI6054)

1 * Inside double sheer bracket (RHD=R01SI6041 LHD=R01SI6052)

1 * Front slotted cross member (R01SI6040)

Retain all Subframe bolts

FITTING INSTRUCTIONS

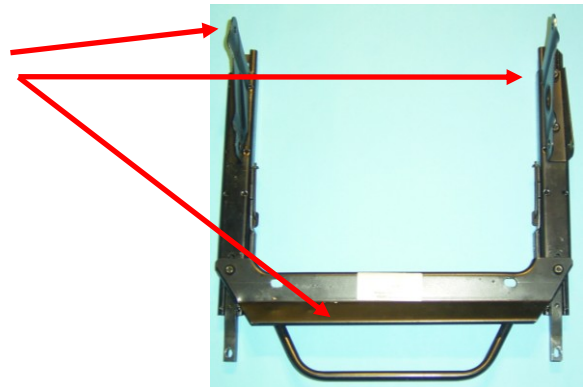
LOTUS/GM SEAT AND SUB-FRAME REMOVAL

- A. Remove existing seats and sub frames from car by undoing the four bolts per sub frame attaching sub frames to chassis (retain bolts).
- B. Remove the seats from the sub frames by undoing the six retaining bolts, 2*M8 bolts at the rear (discard), 1*7/16 out-side seat belt bolt (discard), 1* Lotus spec shanked 7/16 in-side seat belt bolt(discard), spacer(retain) and spring (retain), 2* M8 nuts underneath front of seat (retain).

FITTING MULSANNE C SEAT AND 340R SPEC BRKTS TO STD DRIVERS SIDE SUBFRAMES (**HARNESSES AND STD SEATBELTS**)

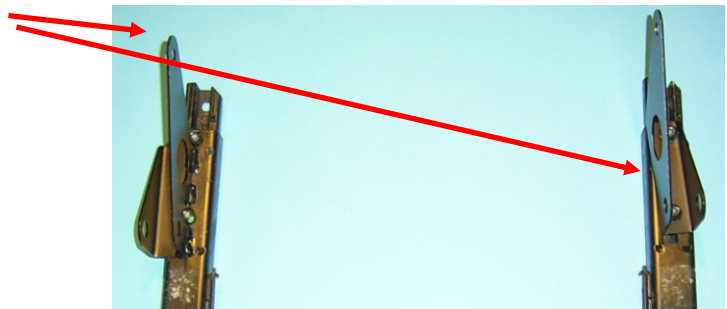
A.

Remove both rear brkt's and front cross brace from sub frame, retain all bolts and washers.



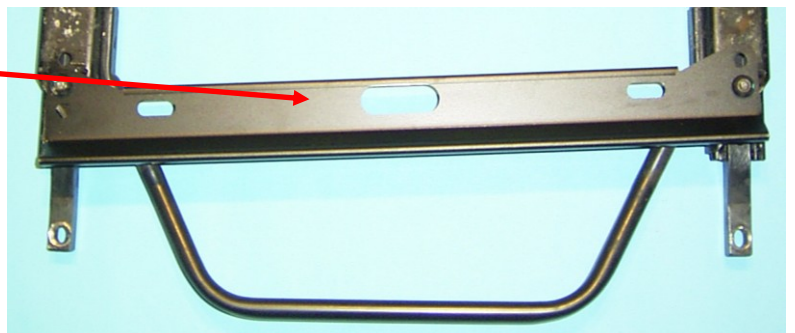
B.

With the std rear brkts removed loosely bolt (you will tighten them later) the double sheer A340 spec brkt's in place using the bolts and washers retained.



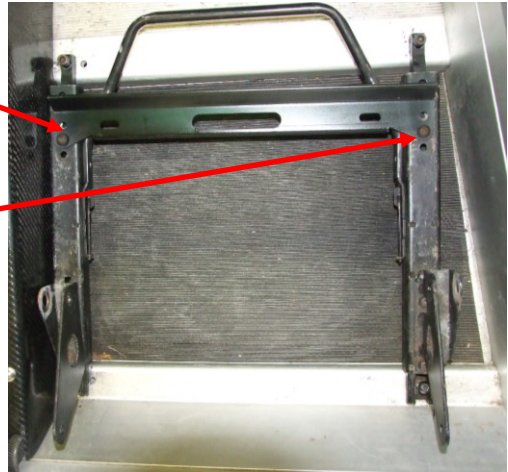
C.

Loosely bolt the A340 spec cross brace in the position shown noting which holes are used (RHD sub-frame shown, mirror fitment for LHD)



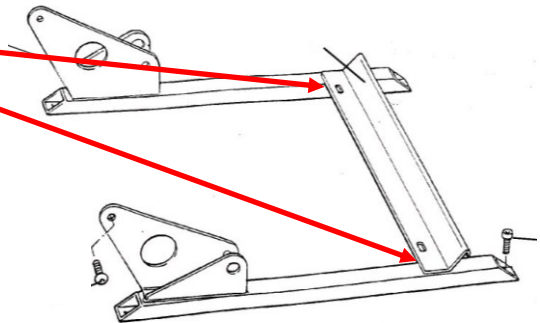
D.

Place the seat sub frame in the car and loosely position the support spars using the 4 chassis fixing locations. Tighten the cross member bolts to fix the sub frame in position. Then remove the Sub-frame from the car



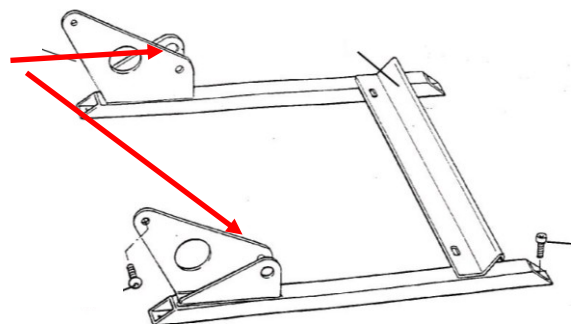
D.

Place the seat on the sub-frame and thread on the retained front M8 nuts and washers, leave loose for the moment to allow the seat a little float.



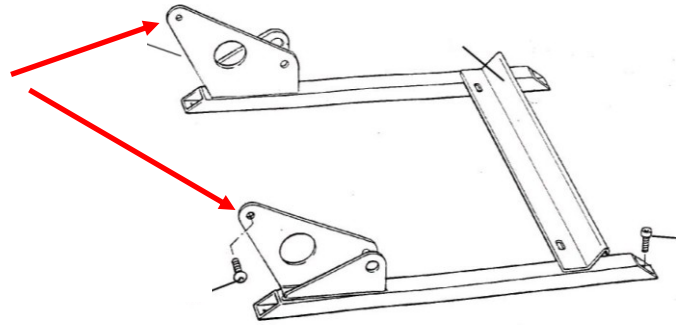
E.

Install the two provided 7/16 bolts and spacers (one spacer you will have retained earlier) passing them through (and seat belt eyes) and lightly threading them into the seat, leave loose for the moment to allow the seat a little float.



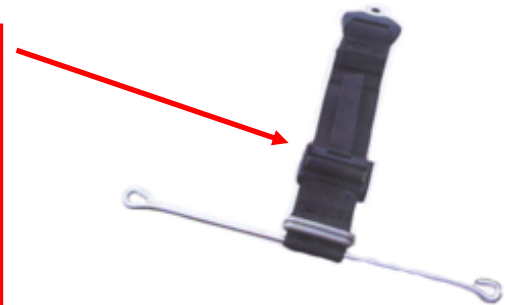
F.

Insert the two M8*20mm bolts and washers provided and tighten. The rest of the retaining bolts can now be tightened including the sub-frame out side brkt and cross brace.



G.

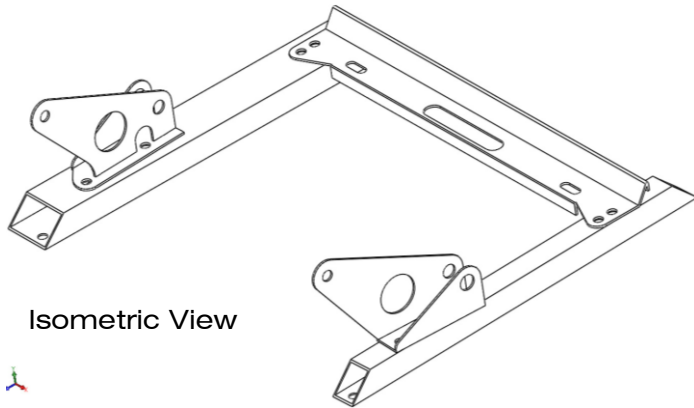
If using OEM 340R harness belts (A340U6005S) a crutch strap is included the steel bar mounts under the sub frame and sits over the M8 studs under the front of the seat. If using another harness either 5 or 6 point then the straps should be taken through the seat and to a secure fixing on the chassis.



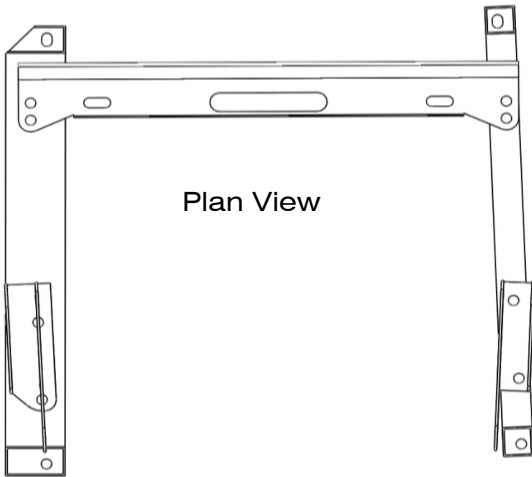
H. The seats and sub-frames can now be reinstalled into the car, the passenger side can be bolted straight in, the drivers side should be bolted in loosely to the chassis and the seat ran back and forth on the sub-frame runners several times until it runs smooth, the sub frame to chassis bolts can then be tightened.

Drawing Views of Passenger Subframes:

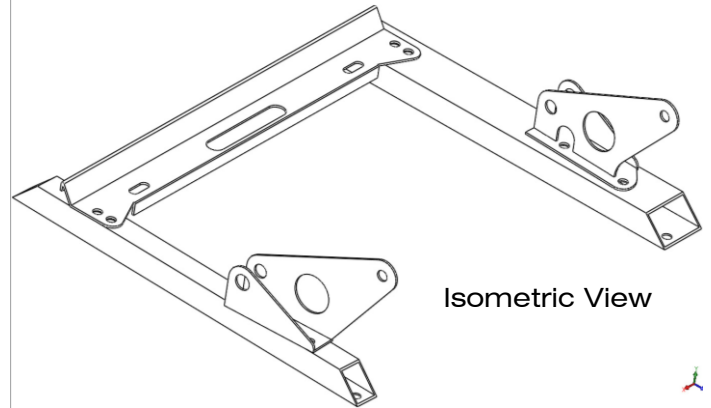
RHD Vehicles



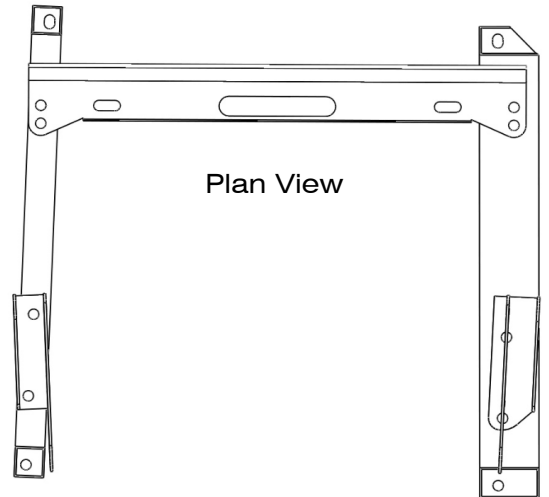
Plan View



LHD Vehicles



Plan View



Drawing Views of Driver Subframes:

RHD Vehicles



LHD Vehicles





MULSANNE C FITTED TO RACING ELISE S1