

# Lotus Marques – Product Data Sheet

## Aluminium spacer plates to suit Weber or Dellorto carburettors

The components illustrated below are CNC machined aluminium spacers that fit any side-draft mounted Dellorto or Weber carburettor. These spacers are an improved design that are intended to be direct replacement for the original components as installed on Lotus Elan, Elan +2, Elite, Eclat, Excel, Esprit, TC Europa and Jensen Healey.

The original spacers were a die-cast construction with a wasted area around the locating studs and a flat bottom groove to locate the nitrile sealing ring. From extensive experience gained in our workshop, it has been noted that on occasions the centre section has broken away through fatigue and left free-floating. This type of failure is caused by the inadequate thickness of material left by the o-ring grooves that are present in both sides of the spacer. Other problems also relate to breakages through the wasted section around the locating stud holes. The new improved design addresses these problems by using a semi-circular groove for the o-ring location detail. This change in groove cross section imparts additional strength to the spacer thus preventing fatigue failure. The change in external profile provides additional material around the stud holes to prevent breakages.



Great care has been taken to ensure these high quality spacers are dimensionally correct and are totally interchangeable with the original Lotus equipment. It would be easy for Lotus Marques to source local aftermarket components but these items often cause problems as they are NOT the correct thickness. The change in component thickness compromises the flexible mounting installation on every Lotus engine. This is because the standard stud shank length prevents the nyloc nut applying the correct clamp pressure and in turn causes air leaks. In addition to this, the aftermarket components cannot be serviced by simply changing the o-ring and therefore do not offer good value for money. The aluminium spacers shown above are available for 40mm, 45mm and 48mm installations.

These components have been carefully manufactured in Australia using an Okuma machining centre. For pricing and availability, please see our short-form catalogue or contact Lotus Marques.

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