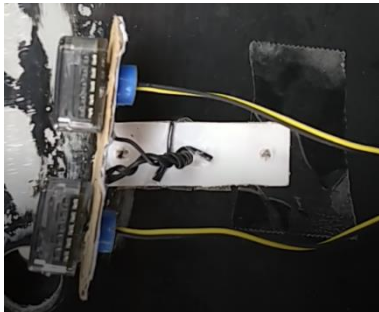
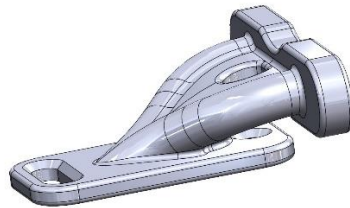
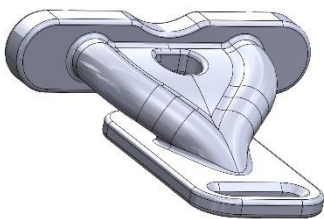
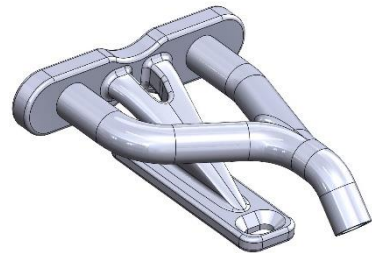
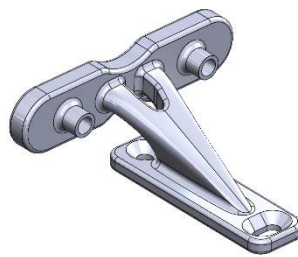


## Design and Manufacture of Bespoke kit car indicator mount

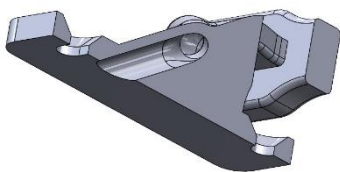


The client wanted a custom design mounting to house LED indicator lights on a kit car. The initial brief was clear and well communicated and also gave some scope for creative design. A prototype showed the basic structure which was intended to have a mount and separate cable conduits.

An initial CAD design was made from this, which included an option to make the cable conduit as a separate item as shown below.



This led to the final concept, where the structural parts of the mount and the cable routing were combined. This is a solution which would be very difficult through conventional manufacturing methods, but which the use of 3D printing makes possible.



Hollow cable channels are combined with the bracket to combine all the functions into one unit and give a neat cable path completely within the part.

The part was then 3D printed. The design allowed for minimal use of support material within the cable channels to ensure these remained clear for passing cables.

