THE RE ENGINE



700cc Engine Crankshaft and Barrels



Fly wheel from Mr Carter and my original along with a Starter Motor
Seemed to have escaped from the shed to indoors!

Not easy to carry so heavy.



Engine is moved table to table, from the house where it was rebuilt
To the shed where the car is and block and tackle awaits.

B105 all back together again.



Original luggage rack

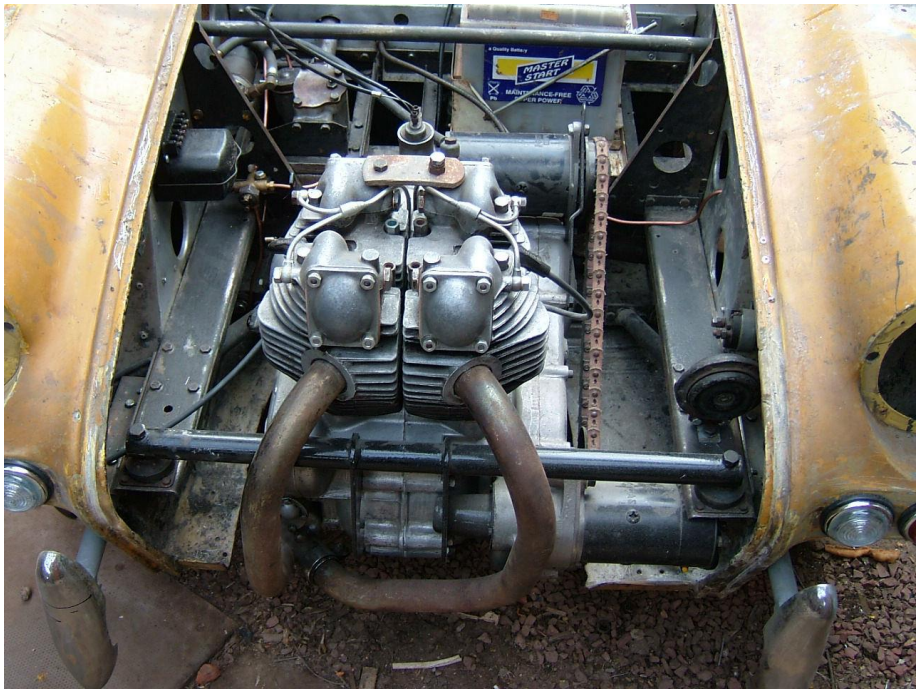


Original Grill and Bumperets



Dash has correctly placed holes again for the original dials and switches

The B105 Engine bay



Engine and Electrics. All fully operational, restoration can now follow.

B105 off to COPT OAK rally just about all found and now in running order Eleven months into ownership from a van full of bits

No prize for the shiniest car this time.



Painting still carried out in the shed, and in Cellulose Paint but this time I used Yellow same as the new BMW Mini but in cellulose.

Chrome plating sent to Doug Taylor at Weston Supper Mare.

Painting



Paint Preparation

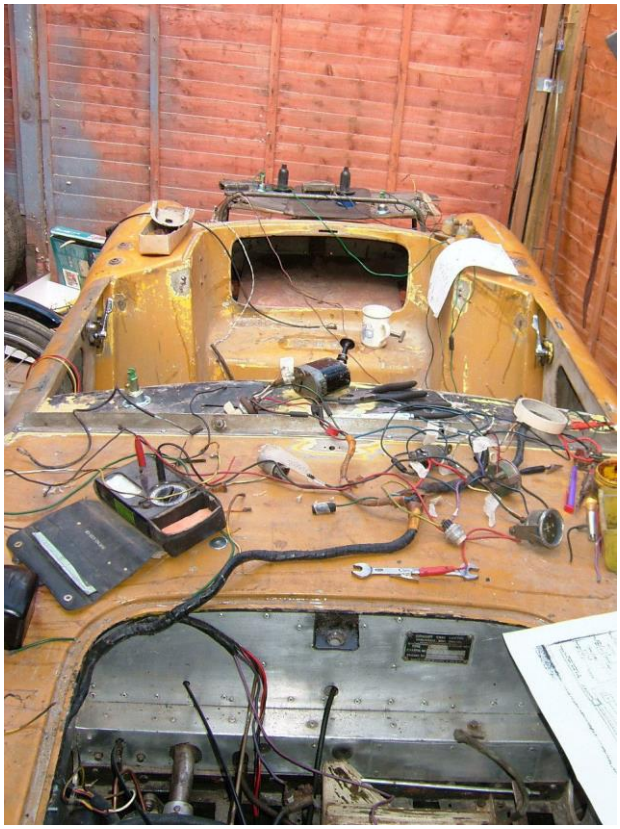


First coats of Primer filler



Seat frame made in CKD form, later welded.

Original loom wires were replaced only where required.



All electric's were made to operate before fixing the loom back in to the car.



Graham and B105 almost ready to push out side.



SORTED and ready for the road test

Following are some of the little projects, explained and materials used.

New home made Grill and some for BEC spares



This was an interesting project on its own, the original B95 brass framed grill with steel slats that were Chrome plated had been damaged and gone rusty.

So I set out to replicate the original by copying the remains I had.

Using my old grill frame, with the loan of the original bonnet from Neil Barber who had the B105 factory race car JON 355 and Darren Jeff's B95 car as test beds for fit. I made from soft brass strip the angle shape to start with and formed the complicated bends and curves that make the frame ,it curves back on both sides is flat along the bottom and curved the other way over the top. In the process I made a former I used to heat, hammer and bend the brass around to get the shape and to hold it so could be brazed together.
The former also made it possible to repeat the process as I wanted to make a few grills for the BEC Spares.
The steel slats also have a particular bend in them to make them into deflectors, my local fabricators have a big press and were happy to copy my original slats and make some, just a donation towards Christmas presents required.
Each slat still had to be hand fitted so each fitted nicely in the frame, unlike welding large gaps are not possible to join when brazening.
Once they were all fitted every thing needs to be polished as it will be impossible to polish good enough for Chrome plating after its all put together.
Yet another jig is required to hold the slats in position and hold the frame flat for the final brazing all together .I used silver solder, a hugely expensive material with 90% silver in some rods, but worked out just fine. After the grill was fitted back on to JON bonnet and tweaked for fit, then cleaned up ready for Chrome.

See a peek into my high tech work shop. Hand crafting a B105 Grill.



Soft brass strip and Tin Snips start the process



Turned into a long strip of brass angle



Making the curves, heating and holding, pulling and bashing.



Final join, before filing to size



Polishing a slat deflector



Grill all brazed and polished up ready for Chrome