

USING AIR FILTER HOUSING AS STORAGE COMPARTMENT ON A FANTIC CABALLERO 500

I've done quite a few mods to my Fantic Caballero and I'm sure something will fail at some point in time, so I decided to re-purpose the air filter housing as a storage compartment for a tool kit and some emergency spares. The following explains how I did this.

This is how the filter housing looks now.



We first need to remove the rubber inlet manifold between the throttle body and the filter housing and replace it with a [K & N filter type RC2580](#) as shown.





Changing the air filter will cause a change in air pressure but this will be detected by the air pressure sensor and the ECU will then adjust the fuel injector time to maintain the correct air fuel ratio.

Next stage was to re-route the crankcase breather hose from the current position at the top of the air filter housing. The hose was pulled out bent through 360 deg, cable tied to the frame and cut to a length roughly an inch beneath the engine as shown.





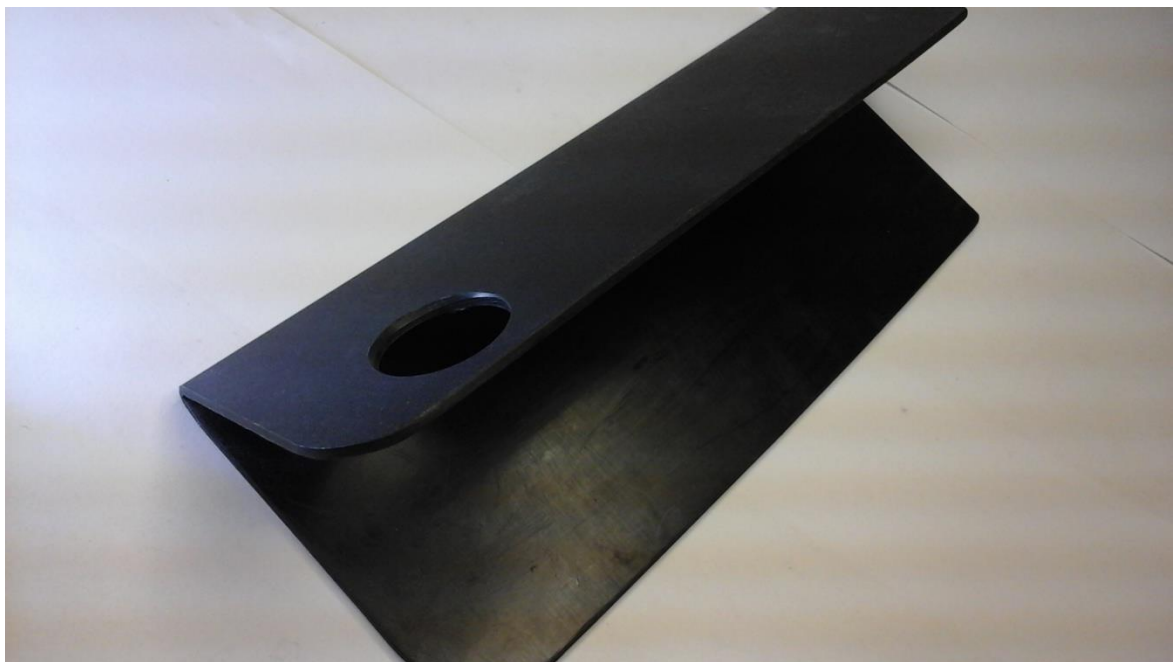
The holes inside the filter housing needed to be blanked off. I used a card template to get the correct shape and then transferred this onto a piece of aluminum plate. This was then cut, drilled and bolted into position.



Ignore the two inner bolts they just hold a bracket for another mod that I did. . I used some rubber edging strip around the housing to stop vibrations and a strap was then screwed to the central boss in the air filter housing to secure the Tyreweld canister.



I cut, drilled and bent a piece of plastic to create a top shelf and also to support the neck of the Tyreweld canister.



That's basically it, just remove the old air filter and you now have a spare storage compartment. Here are a few pics of my emergency tool kit

