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Follow the screwdriver; you see a wet spot at the base

Note the notorious crease in the plastic moulding

The actual crack is only about 3mm, but will follow the crease over due time

This is purely a plastic injection defect.



Page 2

I forged out a piece 6mm stainless rod; you need to have radius on it

To encourage a rolling motion rather than a flat stamping affect.



Page 3

Not seen under the mesh is roughed up section done with sand paper.

Place the stainless 1mm square mesh over the crack



Safety First

- Place hose on the high pressure line outlet of the pump and place into a bucket of water
As the plastic bowl your about to weld will expel fuel vapours when hot.
- Get a respirator the smoke it emits is mind numbing.....!
- heat up the spatula until dull red, I used a LPG blow torch in a well ventilated area
- move from the centre out while gently pressing to stretch out mesh while you go
Using a reverse rolling action seems to work well.
- proceed all the way around the outer edge.



Page 5

You'll notice on the pump housing there is about 25mm or 1" square available plastic to use as a filler.

Make sure the collection bowl your using is clean

Using a dremel or equivalent collect the filings to use as a filler medium.



Page 6

Sprinkle the fillings over the exposed mesh

Work into the mesh with your finger

Then add some more to form a slight pyramid over the old crack



Keep working the heated plastic , through the mesh



Page 8

This is a completed layer , I did grind some more plastic and did a final wipe over.

Give it a mild sand to release any frail plastic bits and that's it.

Beware not to build it too high as the unit only just fits in the actual fuel bowl.

Bit like threading a shoe lace through a sewing needle...!

I have done 4000k with no problems , I think this fix will see out the fuel pump itself.

Cheers & Safe Riding : Rody3

