

Engine – Repair Tv200

WELL YOU DON'T SEE THIS EVERY DAY

Now what happened here then.

Well it's a bit of a mystery, the customer had no idea but under close inspection I think it comes down to those horrible threaded studs that people are using these days. I hate them with a passion! Casings vary in thread depths, some, even new ones vary in different depths around the casing. If you fit these silly studs the heights are all going to be different, with some with loads of threads stuck out, some fine and some maybe with threads under the nut. Then crud gets into the little allen cap head meaning it a pain to clean out to remove them. Then you've the issue of they are threaded all the way down, gripping the casing on fitting and removing and then the issue with the gaskets catching – for me what is wrong with a good old nice and neat stronger stud with a straight un machined section that locks in the same place and all the nuts look nice and neat at the same heights.

What I think happened – was there was a bad repair with an alloy thread insert which was welded but left a void under the thread, then when the silly stud was fitted maybe a little bit too tight it pulled the thread insert and the lower part of the casing came away.

It's a shame really the casing is absolutely mint, there was only one thread repair and a couple of previous repairs, the rest of the threads were as factory! Apart from the swan neck holes were very oversized so I fitted a pair of MB stepped studs.

Anyway it's a new one on me and I do like a super clean break – you know what you are doing and you're not following others who's made a right cock up with the job like I'm used to.

This style of job needs skill, experience and lots of engineering equipment – without any of this you're not going to pull off this type of repair!

So with some grinding, shaping, welding, machining, grinding and more shaping then finally cleaned up with bead and aqua blasting the casing is back like new.

Another Tv200 saved!

All in a days work.





























