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Dismantling Miniature Pressure Gauges

This document was written by Dick Ganderton and was originally published by The Bournemouth and District MES and republished by the FMES in the February 2014 Newsletter

With the new *Boiler Testing Green Book*, the requirement for the Pressure Gauge on the boiler to have the 'Red Line' marked on the dial has been emphasised. This is easier than most people imagine and in this article I will show how to take the gauge apart to get to the dial.

There are two common variants of the miniature pressure gauge used on our models. One type has the glass carrier held in place with two small screws either side. This type is simple to take apart - just don't lose the screws! The second type has the glass carrier pressed onto the main body. This is the type described in my pictures (1). All you need is a medium flat blade screwdriver and a vice. No screws are undone, the screwdriver is just used to gently start to lever the glass carrier forwards by inserting the blade in the slot underneath the gauge and twisting (2). The carrier should then end up slightly cocked (3)

Now gently grip the square part of the gauge body in a small vice, glass down. Using the screwdriver blade gently push the top of the glass carrier down to square it up (4) and then continue pushing down at 3 o'clock, then 9 o'clock, holding one hand under the glass, teasing the carrier off the body. Place the carrier, glass down, on a soft cloth. Carefully remove the gauge from the vice and paint a thin red line at the correct position on the dial (5).

To reassemble, hold the gauge upside down over the glass carrier (6). Carefully engage the body into the carrier and gently push down with your thumb squarely on the middle of the back of the body until it is fully home (7).



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