

BASIC WUR SET UP

If you have pressure gauges we can set up a WUR quite easily

Take the WUR apart, I will refer to the page numbers of the attached WUR rebuild instructions

1. Push the fuel cell out a bit and then back in until it is about 4 to 5mm out (page 7)
2. Push the bimetallic strip pin up to the top (page 4)
3. Push the bottom plug out a bit (page 14)
4. Put the WUR back together and attach the fuel pipes. Do NOT plug in the electrical plug.
5. Bridge the fuel pump relay and look at the fuel pressure gauge. the control pressure should be very low, maybe 1 bar. If it still high you either don't have the gauge attached correctly and you are reading system pressure, or there is dirt or contamination in the fuel cell filter in the large hole of the fuel cell.
6. If you have 1 bar, approximately, use a punch and a hammer and tap on the top of the fuel cell so that the fuel cell moves in and the pressure starts to rise, you want to get it to about 2bar.
7. If you have a vacuum pump, attach it to the pipe on the WUR that the manifold vacuum is normally attached to. If you don't have a vacuum pump you will need to start the engine as you need to have manifold vacuum at the WUR.
8. With vacuum, the fuel pressure should have risen higher. This is now the time to try for 3.6bar, with vacuum. So slowly tap the top of the fuel cell until the pressure rises to 3.6bar.
9. Once you have 3.6 bar with vacuum, remove the vacuum hose and the pressure should drop to as low as 2bar. Now you need to tap in the bottom plug. Carefully tap it in until the pressure rises to 3.0bar.
10. Attach the vacuum hose and you should have 3.6 bar, remove the vacuum hose and you should have 3.0bar.
11. Next we set the cold pressure. You need to know what the air temperature is. Each WUR has different cold temperature settings so you need to know what it is for your car.
12. For this example I am going to guess that it is 20degC. With the fuel pump still running and vacuum to the side of the WUR you now need to tap down the top of the bimetallic pin (page4) tap the pin down until the cold pressure matches the pressure on the graph for you car, but for the exercise, lets say at 20degC the pressure should be 2bar. Tap the pin down until you get to 2bar. Remove the vacuum pipe and the pressure should drop to 1.6bar
13. If this is all ok, now you plug in the electrical plug on the top of the WUR and within approx 3 minutes the pressure should reach 3.6bar, remove the vacuum and it should be 3.0bar

You have now successfully set up the WUR, hope this helps.