Practical example

Leak detection with SelectH2

With our SelectH2, leak detection using forming gas, which consists of 95 percent nitrogen and 5 percent hydrogen, is a cost-effective and efficient alternative. This method is also very environmentally friendly and has the serious advantage that hydrogen penetrates even the smallest leaks than the actual refrigerant R134a. In this way, even the smallest leaks are detected within a very short time. The following example shows how easy leak detection with the SelectH2 works.

00:00

1. Evacuate the A/C plant using a suitable A/C service station.

2. Now fill the high-pressure side of the A/C plant. Using the leak detection set extension kit, the high- and low-pressure sides can be filled simultaneously.

3. The heat-up phase is signalled by the word „HEAT“ and lasts approx. 50 seconds.

05:00

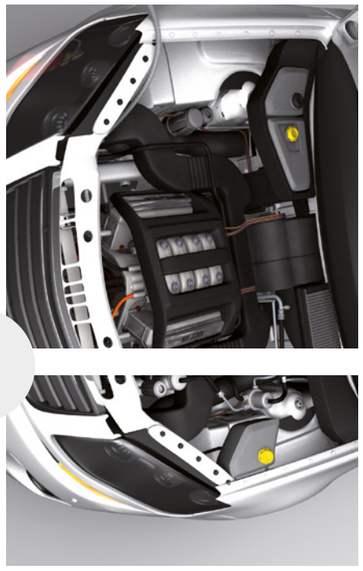
4. Feed the gas detector along the top of the hose connections and components at a steady speed.

You can read out the respective hydrogen concentration on the display. Rising ppm values indicate a leak.

10:00

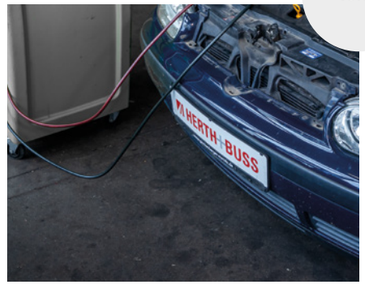
5. Leaks are also indicated by means of acoustic and visual signals.

6. After repairing the leak, it is recommended that another inspection be carried out using forming gas, followed by a function check.



7. Then fill the A/C plant with the appropriate refrigerant.

15:00



Finally, perform a function check.

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