

Compression 4-cylinder, Unsynchronised

Objective:

Determining the compression efficiency of the individual cylinder by measuring the difference in voltage between the compression and decompression process.

Measurement:

Recording of the battery voltage variations during the start procedure.

Preparation:

Switch off engine. Switch off ignition. Prepare engine not to start (e.g. remove fuse related to the fuel pump, remove the fuse to the engine control unit or remove fuel pump relay). Engine oil temperature **20-80 °C**.

Note: For some engines it is possible to prevent the engine from starting by performing an actuator test with the Tech 2.

Connections:

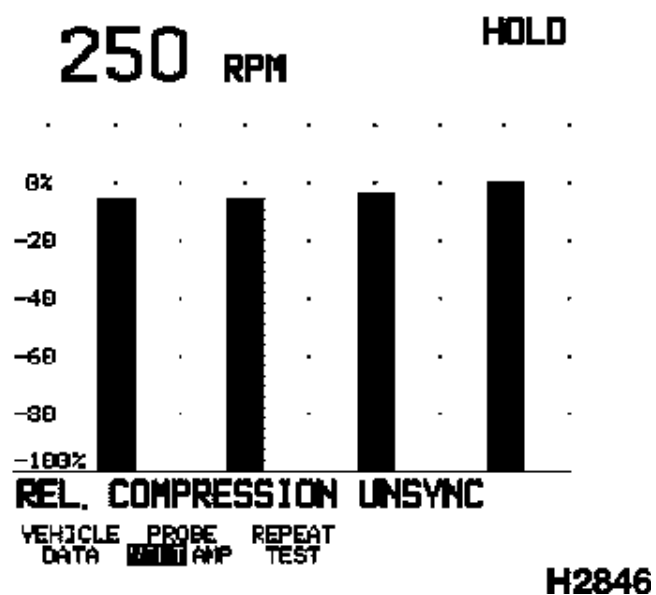
INPUT A	COM/TRIGGER	INPUT B
Connect the red measurement lead together with the blue filter adapter to the positive terminal of the battery. Connect the ground lead to the negative terminal of the battery.		

Procedure Tech 31:

1. Download the Reference curve
2. Operate starter until HOLD appears in the top right corner of the screen (the engine must not start during the test; if it does the test must be repeated).

Reference Curve:



**Procedure Tech 32:**

This measurement is not possible using the Tech 32. The Tech 31 has a preprogrammed function to perform this measurement, which is not available in the Tech 32.