



Digital Tachograph First Calibration Guide

Note: Activation of the tachograph must be carried out with the insertion of a workshop card . After the pairing of the sensor is complete the workshop card **MUST** be removed and reinserted prior to proceeding with the Initial calibration to ensure the correct data blocks are recorded on the technical printout. (Note VDO & Stoneridge will display different data blocks)

- 1 Basic pre calibration vehicle checks:
Check unladen, check tyres (inflation and legal condition).
- 2 Check data plaque*, check tachograph operation (illumination, buttons etc), check integrity of manufactures seals and holographic labels if fitted (VDO, Stoneridge & Actia). *Identify the make and version number of the tachograph
- 3 Insert tachograph centre's own paper roll into the tachograph printer drawer.
- 4 Produce first **Technical Printout (1)**.
- 5 Check UTC time and date on the printout. Check to ensure a 3rd generation sensor Kitas 2+ is fitted to in-scope vehicles & IMS is **ON**. Check ADR VU and IS circuitry if applicable.
- 6 Insert the technicians workshop card into the VU (**slot 1**) and enter the PIN
- 7 Run the vehicle on the appropriate roller set to obtain the W & L
- 8 Program all the relevant parameters into the tachograph inc **IMS** where applicable
- 9 Make a note of the odometer reading and carry out a speed and distance check using the programmer, ensuring the tachograph accuracy is with the specified tolerance allowed.
- 10 Carry out a speed for speed check on the HSR (High Speed Rollers) ensuring the speed displayed on the tachograph is within the specified tolerance allowed.
- 11 Produce an **Events and Faults Print** of the VU then delete all the Events and Faults using the appropriate programmer.
- 12 Check for any Active faults (7)
- 13 Remove the workshop card and produce **Technical Print (2)**
Check all the Parameters / Calibration settings are correct and highlight the specific data as shown on the attached Technical Print



- 14 Replace the customers printer roll
 - 15 Using the approved equipment download the workshop card to produce the paperwork and calibration plaque.
 - 16 Attach the plaque to the drivers door pillar and seal if required
 - 17 Using the approved equipment seal all the required parts of the system.
 - 18 *RBT Users **MUST** carry out a short vehicle road test to check the operation of the tachograph. No active faults must be present.
- Backup the data if required

* It may be necessary to set the tachograph to "out of scope"

Active Tachograph Faults must be rectified prior to putting the vehicle into service

Note: Whilst not specifically specified in the ATCM we recommend RBT users road test over a known distance to help verify the accuracy of the calibration. Once complete we also recommend taking a 24hr VU Print showing the "out of scope" road test confirming it has been complete and attach it to the record sheet.