

<b>Recipients :</b>	Stoneridge Importers and Workshops
<b>Release date :</b>	December 22nd, 2023
<b>Updates :</b>	Initial release
<b>Object :</b>	After Market Smart 2 Retrofit Kit

**Objective:** install the Smart 2 Tachograph system in any existing vehicle

VEHICLE MANUFACTURER	ALL
MODEL	ALL
VOLTAGE	24V or 12V

### STONERIDGE SMART 2 TACHOGRAPH SYSTEM FOR AFTER MARKET RETROFIT

SMART 2 RETROFIT KIT	Non ADR, 24V	ADR	12V
SE5000 Smart 2	900773R/35	900773R/36	900773R/35
24V DSRC module	900620/40		
DSRC cable	C2-CAN cable 6810-034		
DSRC cover	104171		
Sensor	Use appropriate length		Use appropriate length or <b>M1N1</b>

#### Configuring the VU

Using the Optimo *SE5000 Configuration Station* application, select the relevant configuration to configure the new Smart 2 VU.

If your Optimo does not yet offer the necessary options, create a **UGC** file from the removed tachograph or request one from your Stoneridge distributor.

#### Configuring the truck

Changing for a tachograph from a different brand or generation usually has got no functional impact to the truck.

However, the new tachograph may not be recognized by the OEM Diagnostic Tool. If this is an issue, contact your dealer for a truck ECU update or contact your Stoneridge distributor.

#### Replacing the sender

Follow the manufacturer's instructions to replace the Kitas4 sensor with a LESIKAR or Kitas4 R1.21 or above. Caution: a VDO Kitas4 sensor can only be paired with 1 single VU. Therefore, make sure you have fully tested your set-up before activating the VU, or use a LESIKAR sensor.

Use a T-marked 1C seal, available in boxes of 100 using part number 6810-019, to seal the sensor to the gearbox. **Non T-marked seals are illegal** since March 1<sup>st</sup>, 2022.

### ***Installing the DSRC Module***

The field of view opening angle shall be 45 degrees horizontally and vertically in the forward direction of the vehicle:

- Allowed deviation vertically:  $\pm 10$  degrees
- Allowed deviation horizontally:  $\pm 5$  degrees

Any material in front of the DSRC module must not contain any metal or carbon content.

Using the double-sided tape supplied, install the DSRC Module at the chosen location.

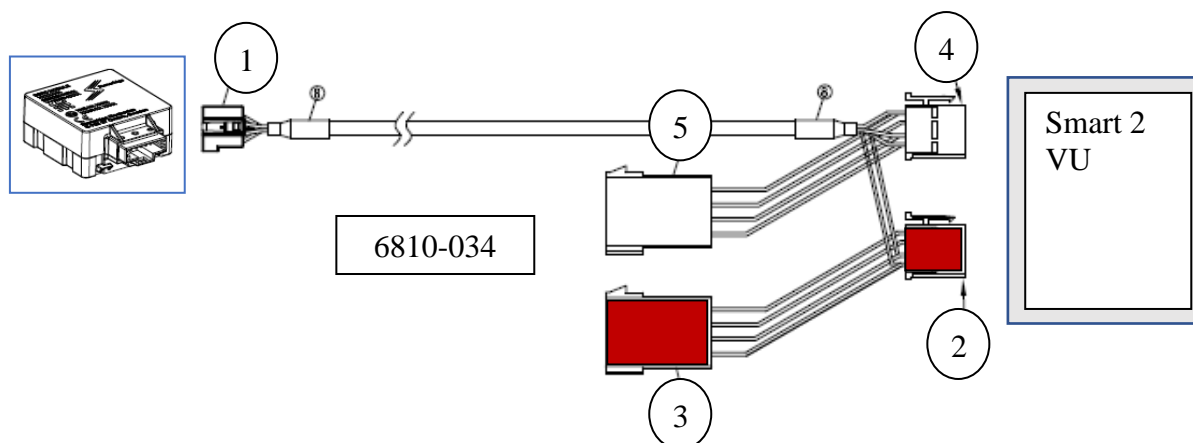
- the printed side must face the driver,
- and the other side must face the road

If the module is visible, install the DSRC cover over the module using double-sided tape.



### ***Installing the VU and cable***

1. Remove the existing Tachograph
2. Route the DSRC cable 6810-034 from the VU to the DSRC Module through the upper gasket
  - a. Connect the 6-way-connector (1) to the DSRC Module
3. Connect the truck-end D- & B-plug to the back of the VU
4. Connect the DSRC Cable 6810-034 C-plug (2) to the Smart 2 VU. Connect the former truck-end C-plug (if any) to the DSRC cable red receptacle (3)
5. Connect the DSRC cable 6810-034 A-plug (4) to the back of the Smart 2 VU. Connect the truck-end A-plug to the DSRC cable white receptacle (5)



### ***Performing an inspection and creating the calibration plaque***

Follow your country's legal requirements for inspecting the tachograph system, treating it as an Installation Inspection.

Share Stoneridge [Quick Guide](#) with the driver.

Whilst we have endeavoured to ensure the accuracy of the information supplied, Stoneridge Electronics cannot be held responsible for any errors or omissions. It is the installer's responsibility to ensure compliance with specific vehicle manufacturers repair procedures, especially with regard to the procedure for disconnection/reconnection of the battery. Failure to comply with the vehicle manufacturers instructions may result in personal injury and/or component damage/data loss.