



SEPDISP21B

Modification instructions

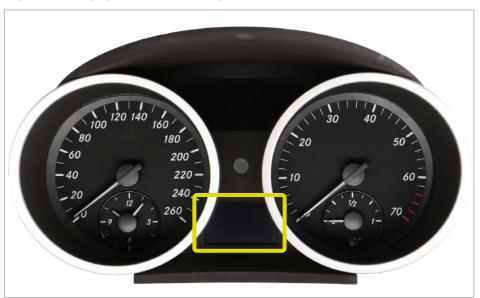
Vers. 4.0

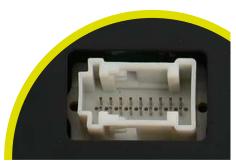


WARNING: This process is recommended only to expert and qualified staff.

THE FOLLOWING MODIFICATION IS NECESSARY FOR THE CORRECT FUNCTIONING OF SEPDISP21B DISPLAY (pic. 1).

Replace the display in an ambient temperature of 25 °C.





Picture 2

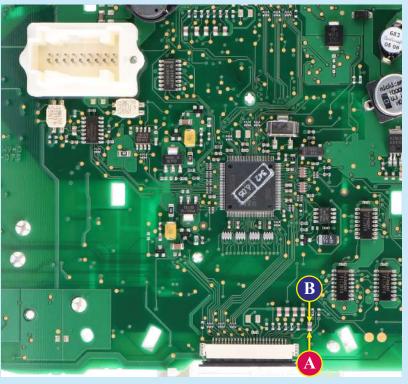
To adjust SEPDISP21B display voltage:

After replacing the LCD, switch on the cluster: white connector (pic. 2) pin no. 1 negative, pin no. 5 and pin no. 6 positive. Measure the voltage between A and B points as in picture 3.

- If the voltage measured is between 11.98V and 12.02V, no modification is necessary;
- If the voltage detected is instead lower than 11.98V or higher than 12.02V, it is necessary to do the modification described in the following paragraph "EEPROM MODIFICATION".

Picture 1

Measuring display voltage





Picture 3



EEPROM MODIFICATION

NOTE: For this modification it is necessary to use an **EEPROM** programmer.

We recommend our SEP-EECLIP.

- · First, set the programmer reading in hexadecimal (HEX).
- Desolder and make a backup of the 24C16 EEPROM (shown in picture 4)
- To reach a voltage close to 12.00V act on 02D8 location

Please note that decreasing this location by 1 HEX unit, the variation will be + 0.016V, or vice versa.



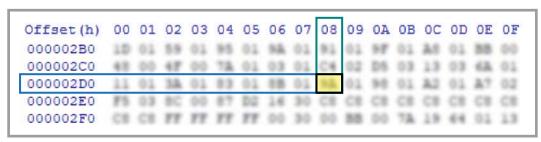
Picture 4

If not familiar with hexadecimal calculation, it is possibile to use the calculation tool in the box below, simply typing in the values.

CALCULATION OF THE NEW VALUE OF THE LOCATION

- Type in the HEX value of 02D8 location*
- Type in the value of voltage measured between A and B points (use a period as decimal separator, e.g. 12.76)
- · New value to type in 02D8 location.

*How to identify 028D8 location value on the EEPROM programmer



Once these modifications have been done, measure again the voltage between A and B points and check that it actually is between 11.98V and 12.02V.

If not, increase or decrease the location until the value is as close as possible to the right range.