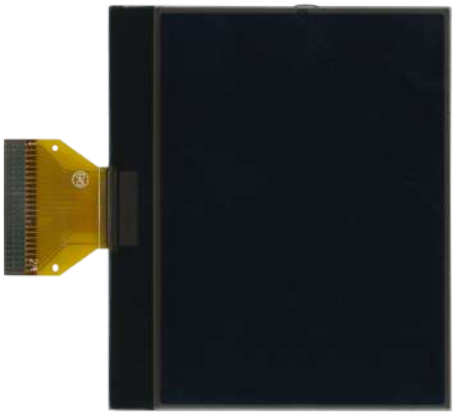
minitools



SEPDISP26

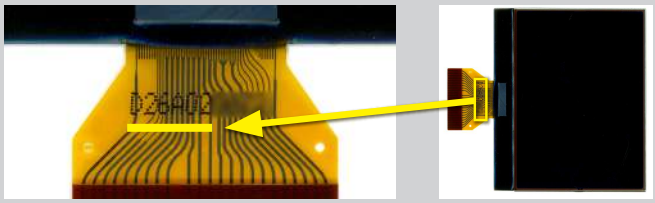
Modification instructions

Ver. 3.0

www.minitools.com

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

NOTE:
The following instructions are for **SEPDISP26 displays marked with D26A02**XXXX serial numbers on the FPC *(see picture beside)*.

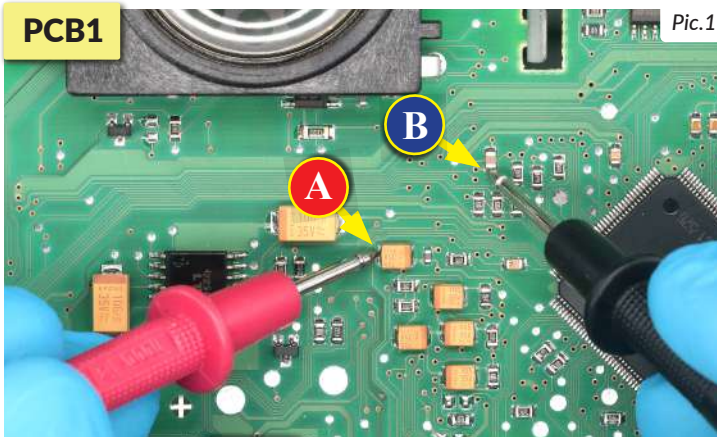


· Replace the display in an ambient **temperature of 25 °C**.

· After replacing the LCD, **switch on the cluster** *(pin no. 2 and pin no. 3 positive, pin no. 18 negative)*.

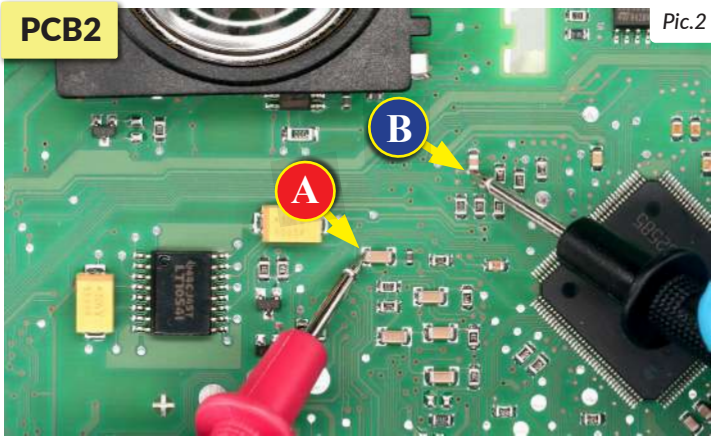
· **Identify the PCB** of your dashboard **(PCB1 or PCB2)** and **measure the voltage between the points A and B** with a multimeter.

PCB1



Pic.1

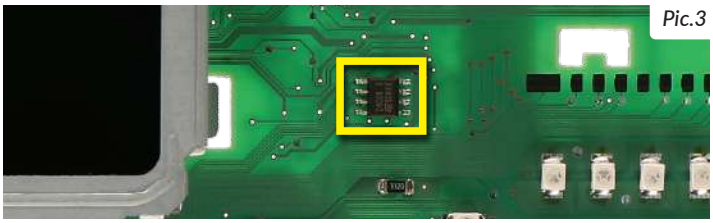
PCB2



Pic.2

▸If the **voltage** measured is **between 7.0V and 7.2V, no modification is necessary**;

▸If the **voltage** detected is instead **lower than 7.0V or higher than 7.2V**, it is **necessary to do the modification** described in the following paragraph "**EEPROM MODIFICATION**".



Pic.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).
- **De-solder the 24C08 EEPROM**, highlighted in picture 3.
- **ATTENTION: Make a backup of the EEPROM,** before the modification.
- To reach a voltage between 7.0V and 7.2V, it is necessary to **modify the value of 039B location**;
Please note that increasing or decreasing these locations by 1 HEX unit, the **variation will be +/- 0.09V**.

*If not familiar with hexadecimal calculation, it is possible to use the **calculation tool in the box beside**, simply typing in the values.*

NOTE: ***The tool works correctly only on computers. For the mobile version, click here.***

CALCULATION OF THE NEW VALUES OF THE LOCATIONS

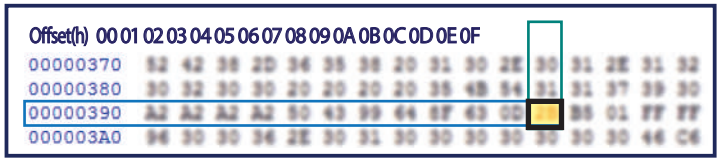
(The tool works correctly only on computers. For the mobile version, click here)

· *Type in the value of voltage measured between A and B points*

· *Type in the HEX value of the location 039B**

· ***New value** to type in the location 039B.*

How to **identify 039B location value on the EEPROM*



VERIFICATION

Once these modifications have been done, **measure again the voltage between A and B points** and **check that it actually is *between 7.0V and 7.2V***.
If not, increase or decrease the location until the value is as close as possible to the right range.