

EMS Temperature Calibration Procedure

Select COOLANT TEMP SETUP
Sender type : USER
Select CALIBRATE SENDER

CALIBRATE WT: XXX

The XXX is the current ADC value as read by the unit on the coolant temperature wire

NUM OF POINTS:

This is the number of calibration points you are going to use - the more you choose the more accurate the reading

DISP VALUE 1:

This is the actual number the unit will display when the corresponding ADC value is reached.

ADC VALUE 1:

This is the ADC value relating to a temperature you choose and is tied to the DISP VALUE 1.

CALIBRATION

For example: We choose to use 5 calibration points from 20 deg C upwards.

NUM OF POINTS = 5

For point # 1

Place the temp sender at 20 deg C and let the ADC value stabilize.

Read the ADC value at CALIBRATE WT : [value@20degc]

Enter this value into the ADC VALUE 1 = [value@20degc]

DISP VALUE 1: [20]

Now for point #2

Place the temp sender at 40 deg C and let the ADC value stabilize.

Read the ADC value at CALIBRATE WT : [value@40degc]

Enter this value into the ADC VALUE 1 = [value@40degc]

DISP VALUE 1: [40]

Now for point #3

Place the temp sender at 60 deg C and let the ADC value stabilize.

Read the ADC value at CALIBRATE WT : [value@60degc]

Enter this value into the ADC VALUE 1 = [value@60degc]

DISP VALUE 1: [60]

and so on until all values are entered.