- the difference between T1 and T2 must be less than or equal to 2°C.

Note:

If one of these two conditions is not met, then the air conditioning system is not working properly. Should this be the case, refer to the fault finding procedure for the air conditioning system for the vehicle concerned.

AIRCONDITIONING: CHECK

Note, one or more warnings are present in this procedure

WARNING

Before carrying out any operation on a vehicle fitted with the Stop & Start system, always follow the safety instructions Vehicle: Precautions for the repair

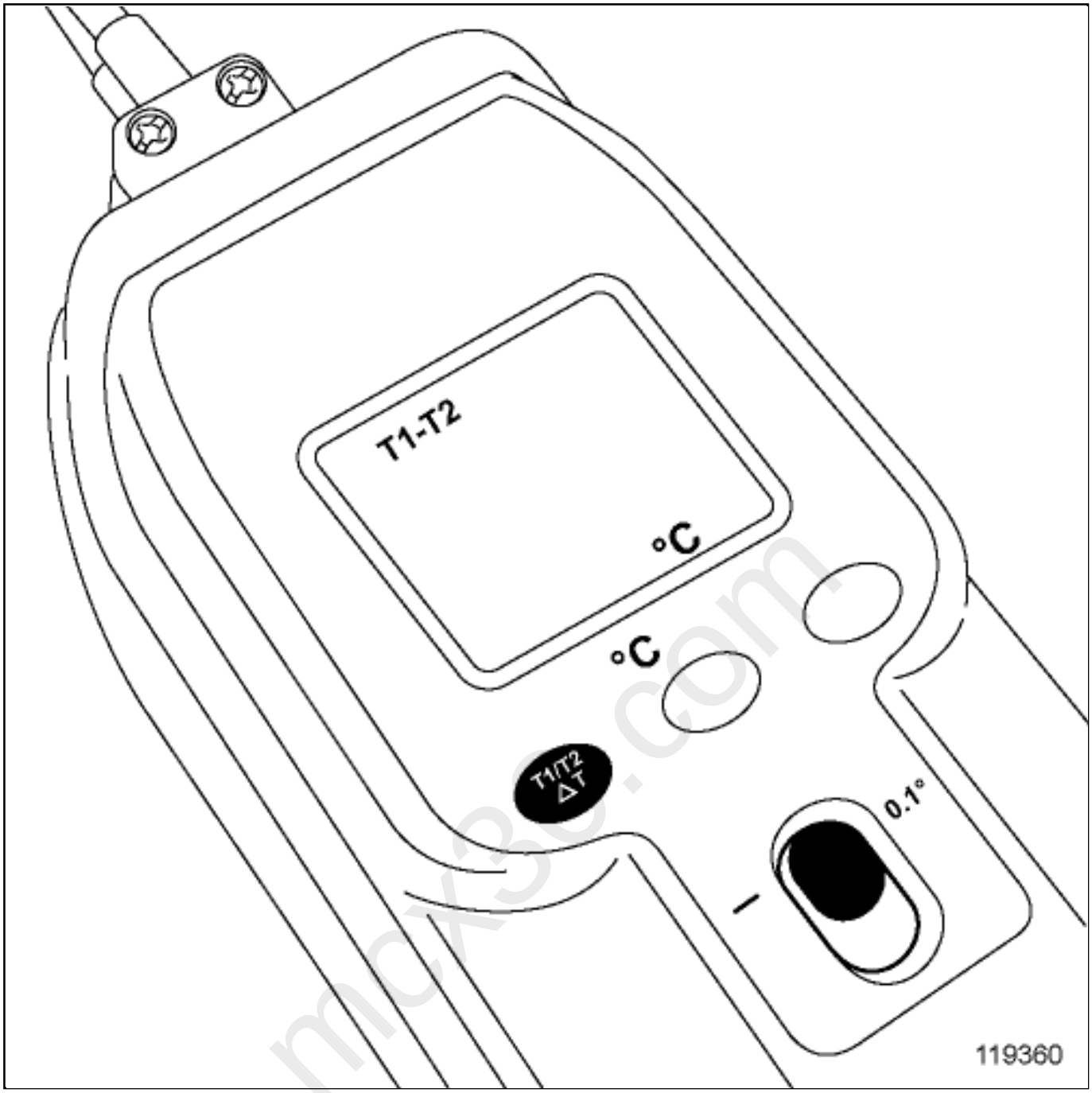
Equipment required
Dual-sensor temperature measuring device

Note:

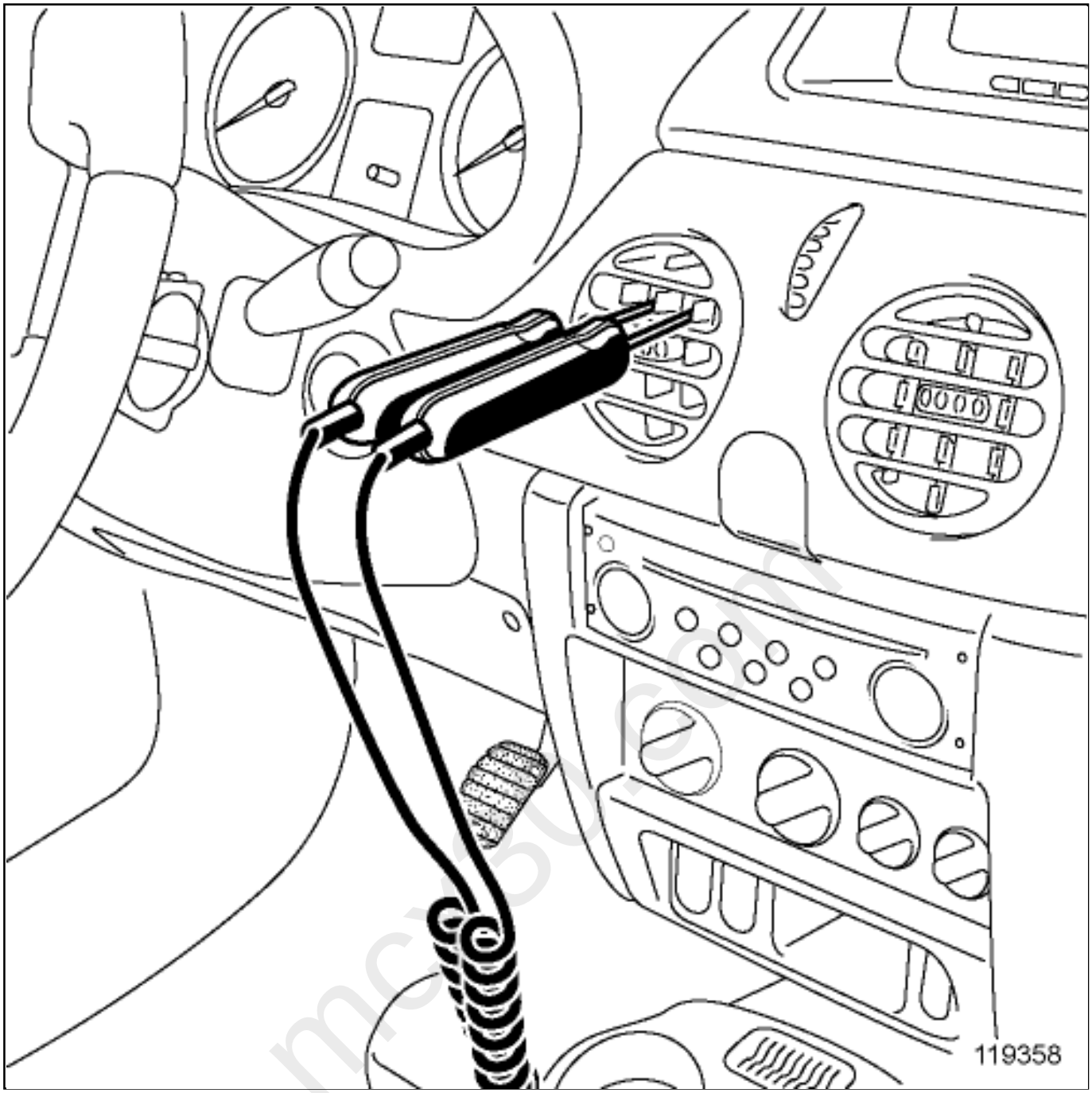
When performing RENAULT maintenance, check the air conditioning system at the end of the vehicle's maintenance program so that the engine will be cold.

1. PREPARATION OPERATION FOR THE MEASUREMENT DEVICE

- Check that the measurement device functions properly (see the device's instruction manual).
- Set units to ˚C.
- Set the device's sensitivity to 0.1˚C.



Set the reading mode to (ΔT) = (T1 - T2)



Check the two sensors T1 and T2 in order to calculate the correction (Δ) to be applied to the measurement (T1 - T2). the two sensors must indicate the same measurement under the same conditions. Check the sensors by:

- bringing the ends of the 2 sensors together until they touch,
- placing the sensors in the air flow of an air vent,
- setting the passenger compartment fan assembly to top speed.
- waiting for the value to become stable.

recording the correction value (Δ).

Note:

It is not necessary to start the vehicle. The device display is in mode (ΔT) = (T1 - T2).

CAUTION

Note the difference and sign as soon as the temperature becomes stable.

Calculate the correction (Δ) = - (T1 - T2) to be applied to the measurement (ΔT).

Examples:

If (T1 - T2) = - 0.3˚C, correct the measurement (ΔT) by (Δ) = + 0.3˚C

If (T1 - T2) = + 0.3˚C, correct the measurement (ΔT) by (Δ) = - 0.3˚C

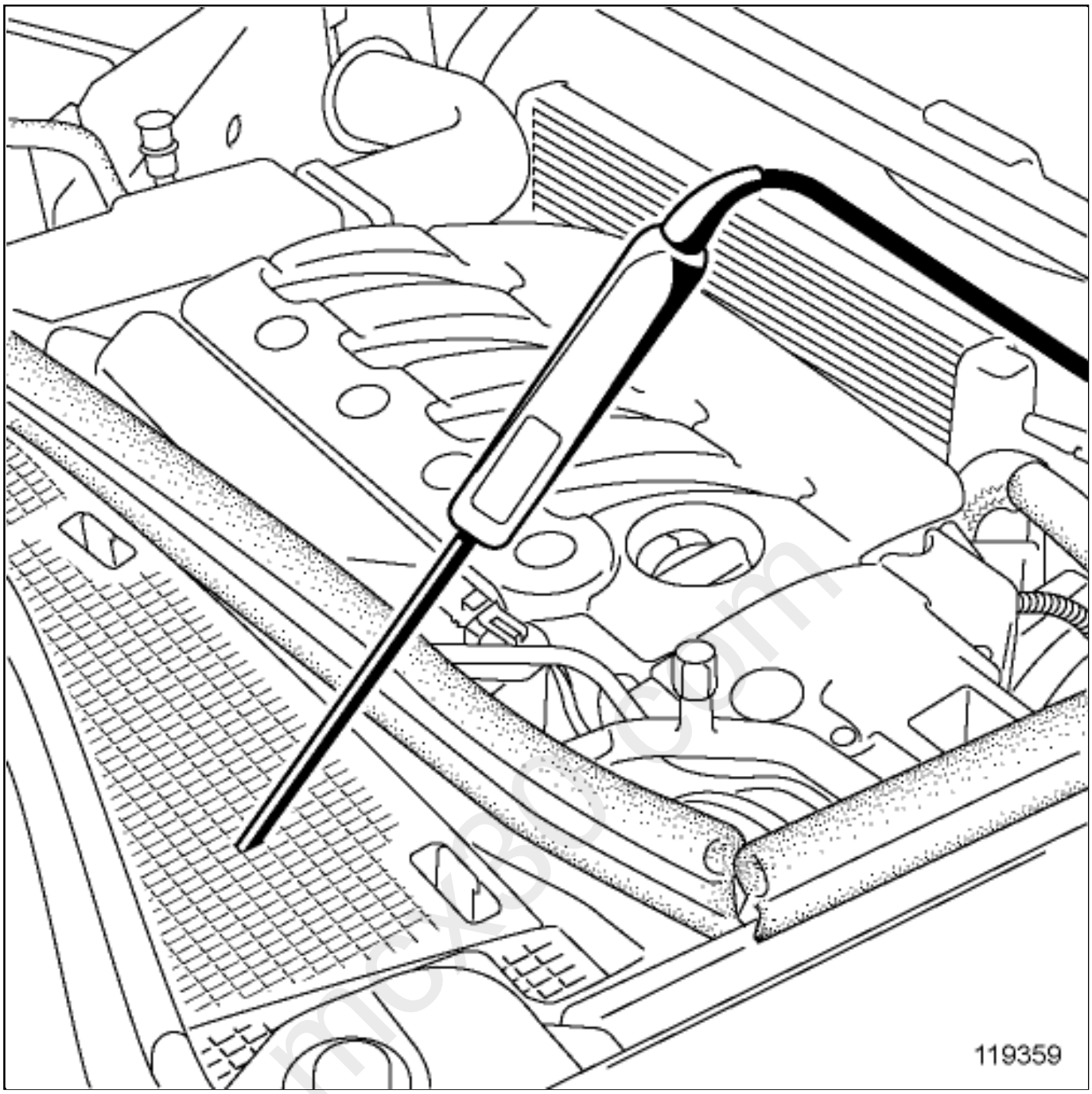
2. VEHICLE PREPARATION OPERATION

- Put the vehicle in the shade, where the temperature is greater than or equal to 15˚Cminimum.
- Close the bonnet.
- Open the front windows.
- Start the engine and let it idle.
- Set the air conditioning controls with:
  - recirculation mode in the external position,

- the ventilation distribution in "face" mode,
- the temperature control to coldest temperature setting in front (and at the back, if it exists),
- the speed of the passenger compartment fan assembly set to maximum (switch off the rear control if it exists),
- the front side and centre air vents open with the vanes in a neutral position,
- the air conditioning system must be turned on (indicator light illuminated).

Wait 5 minutes with the engine idling before taking any measurements.

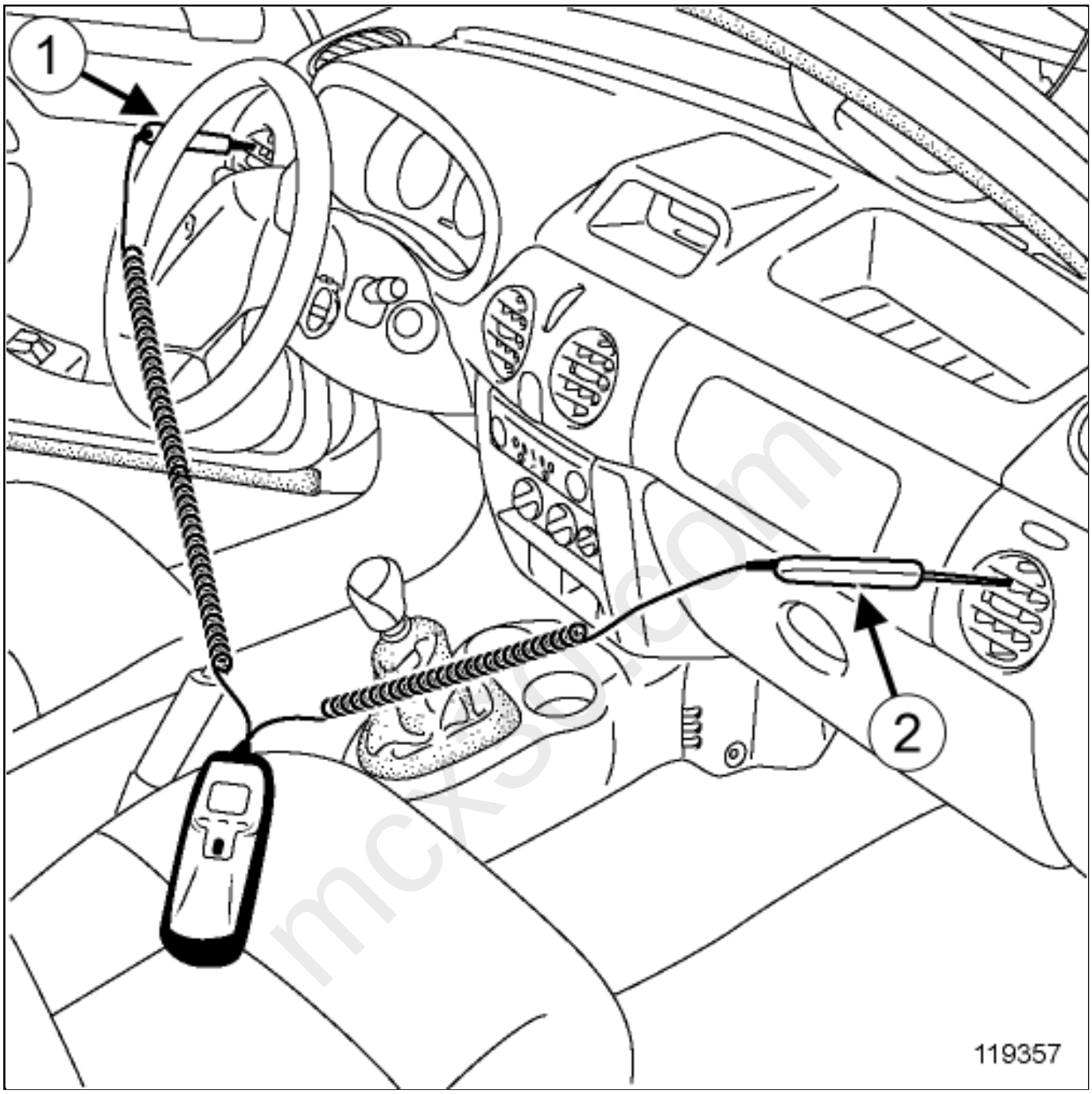
3. MEASUREMENTS



Record the air temperature at the scuttle panel grille (T3).

- open the bonnet, depending on the vehicle, to access the scuttle panel grille.
- place the sensor where air is drawn through the scuttle panel grille.
- wait for the value to become stable.
- record the T3 temperature value.

close the bonnet if it was opened.



Record the air temperature at the left air vent (T1), and at the right air vent (T2).

- fit sensor T1 in the left air vent(**1**) .
- fit sensor T2 in the right air vent(**2**) .

Record the differences in temperature once the (ΔT) value has stabilised:

- between T3 and the higher of values T1 or T2, (T3 - highest value).
- record this difference in temperature.
- between T1 and T2 (read the (ΔT) value (T1-T2) display mode).
- record the difference in temperature (ΔT) according to the correction (Δ) to be applied to the measurement.

If the (ΔT)=(T1-T2) measurement is unstable, follow the procedure below:

Note:

Depending on the vehicle's air conditioning system programming, this check method may not be applicable because the engine cooling fan assembly has been activated. Its operation renders the (ΔT) value between T1 and T2 unstable. To eliminate this error, the fan assembly must be activated for the entire period over which temperature T1 and T2 measurements are recorded.

Activate the engine cooling fan assembly operation by modifying the engine speed.

- stabilise the engine speed at 2000 rpm while T1 and T2 temperature measurements are being recorded.
- check that the engine cooling fan assembly operating.
- record the temperatures by following the instructions given in the paragraph MEASUREMENTS.

4. FAULT FINDING PROCEDURE

The following two following conditions must be met:

- the difference between T3 and the higher of the two values T1 or T2, must be greater than or equal to 5˚C