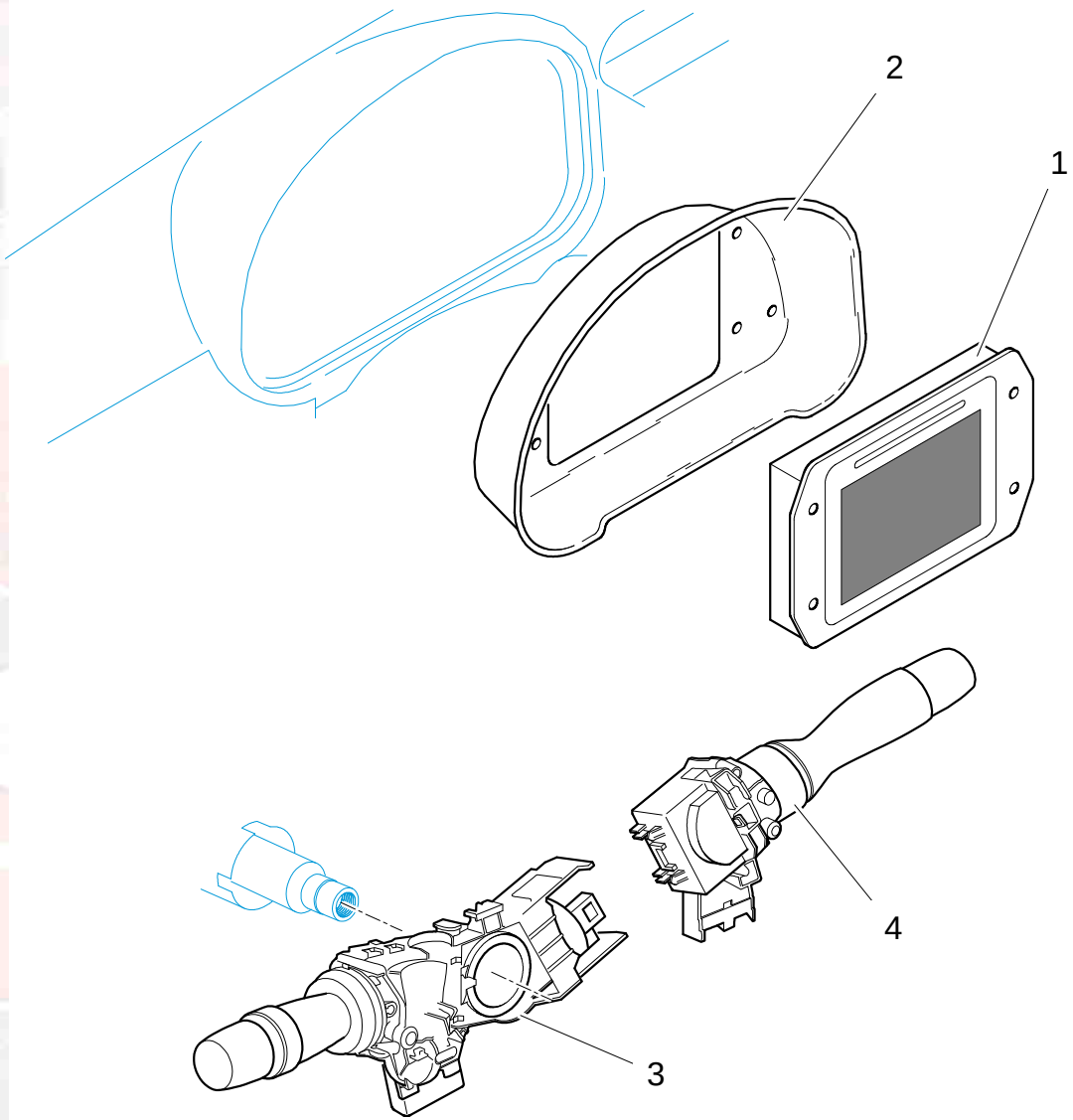
C2R2MAX

S1A

TERMINAL

Version 02 – 03 April 2009

C2R2MAX



Ref	Part Number	Qty	Description
1	3Z9N62833B	1	XAP display
2	3S1A62879B	1	Dashboard insert
3	BCSP6253A0	1	Lighting control
4	BCSP6239SA	1	Windscreen wiper control

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Assembling the dashboard insert.

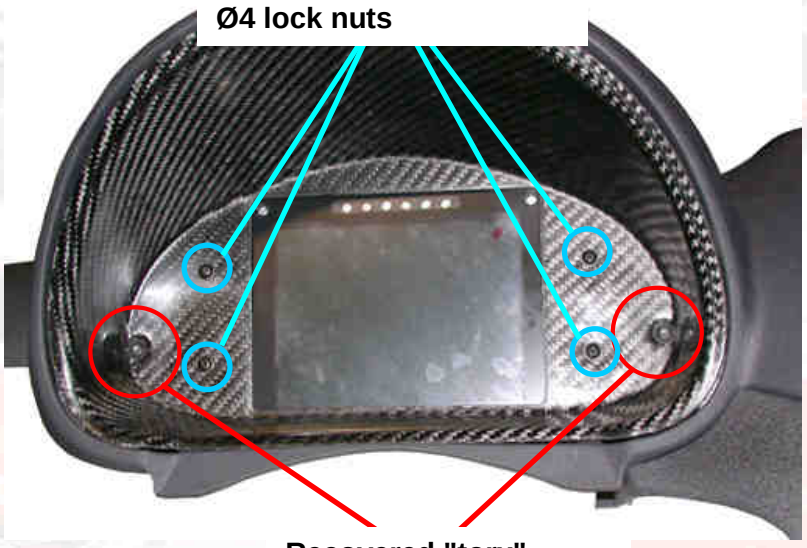
Cut the blue-coloured parts of the dashboard, as shown in the photo opposite.

Result after cutting.

Fit the XAP display on its insert, using 4 Ø4 lg12 screws and Ø4 nylstop nuts.

Fit the insert, with the XAP display fitted, on the dashboard using "torx" screws obtained from the original dashboard.

Connect the XAP display with the passenger compartment bundle connector provided for this purpose.



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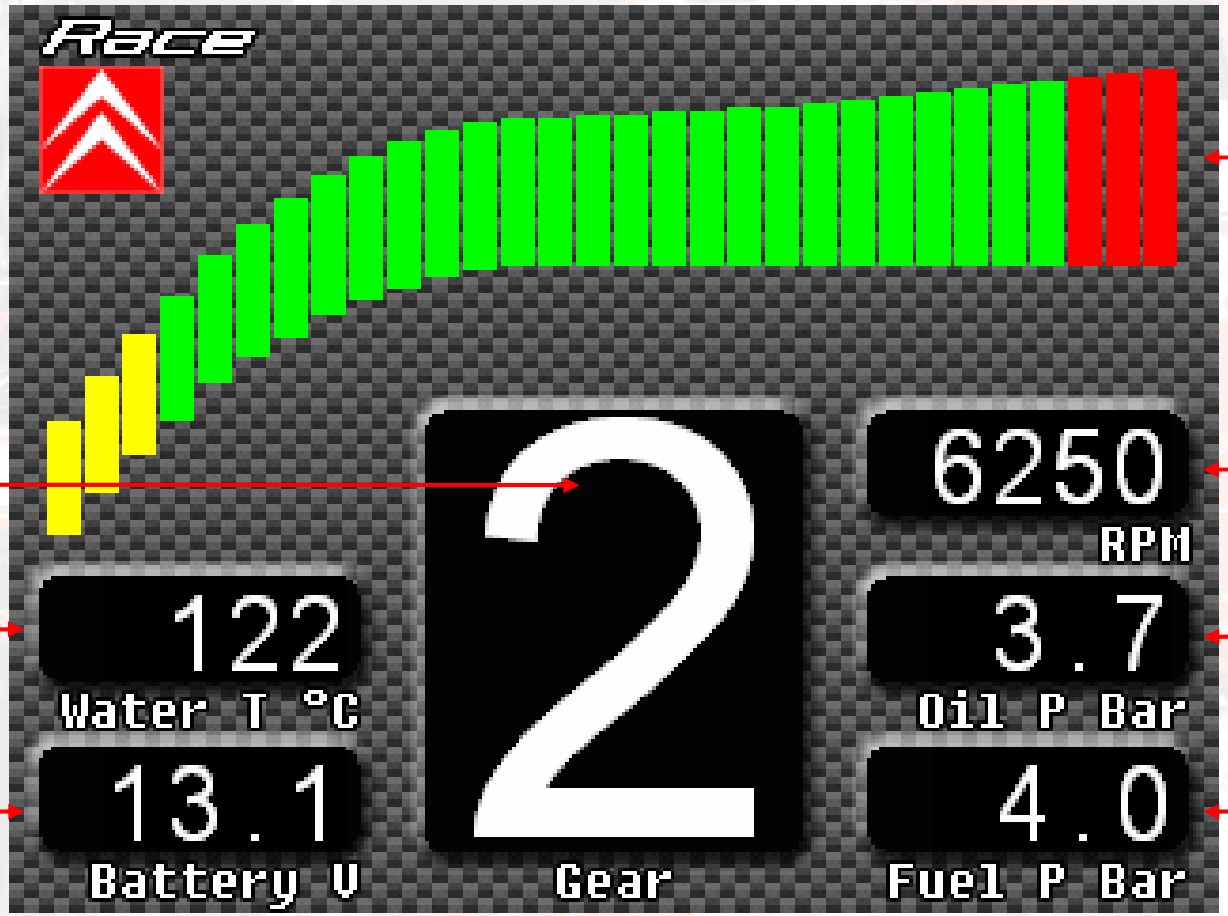
XAP DISPLAY FUNCTIONS

Page 1 : « RACE »

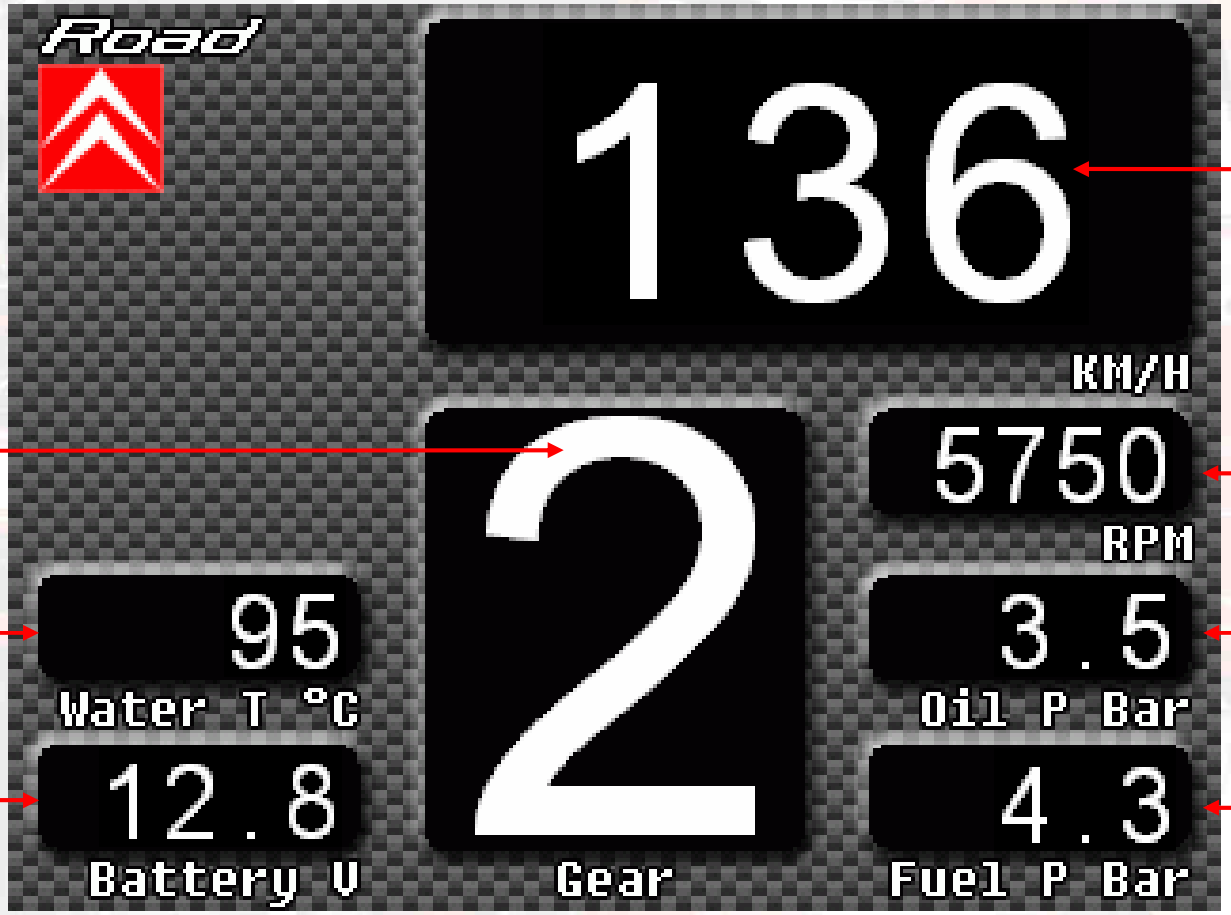
The « **race** » page displays all informations necessary in special stages.



XAP DISPLAY FUNCTIONS

Page 2 : « Road »

The « **road** » page displays all informations necessary in road sections.



Gear engaged

Water temperature

Battery voltage

Car speed

Engine revs

Oil pressure

Fuel pressure

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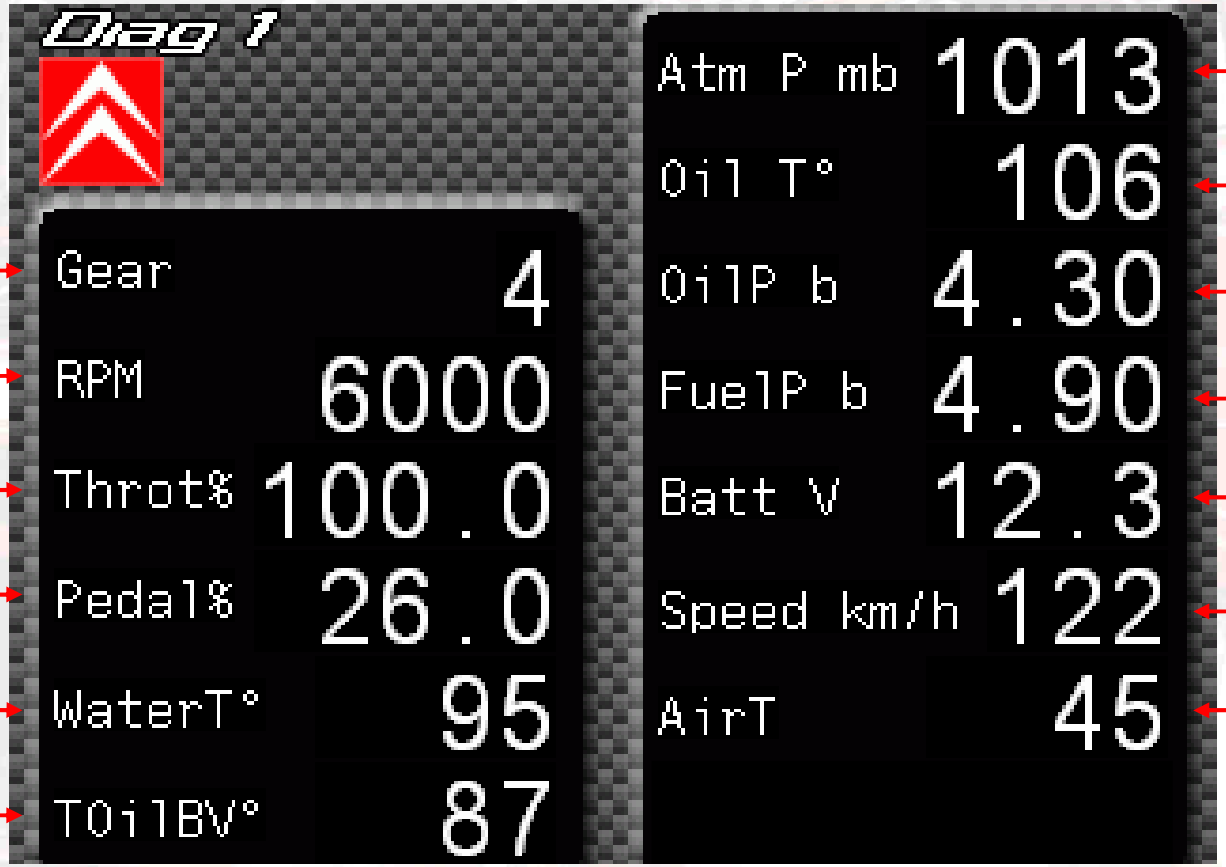
XAP DISPLAY FUNCTIONS

Page 3 « Diag 1 »

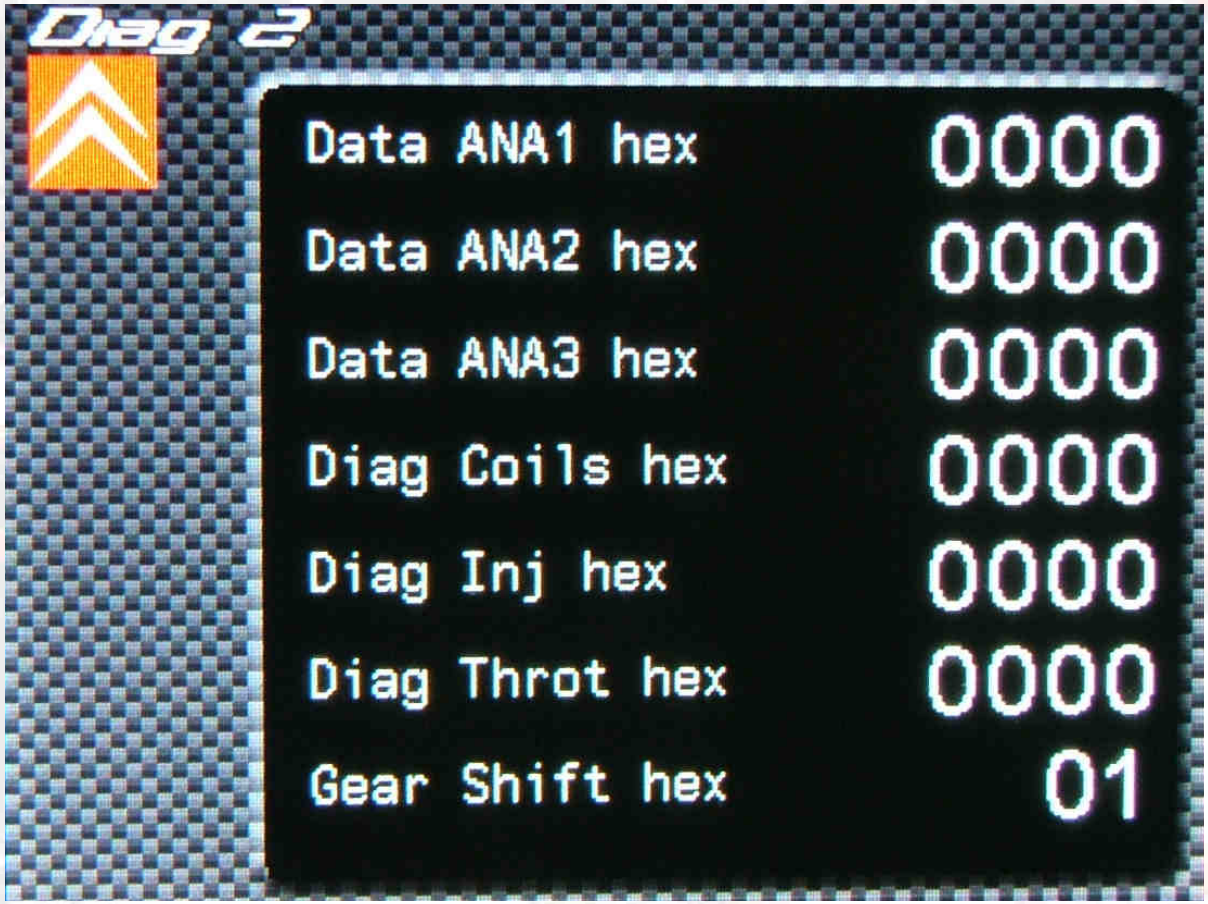
The « **Diag 1** » page displays all car sensors : - value written in white (for all the pages) = sensor ok
- value written in blue (for all the pages) = broken sensor or disconnected sensor
- value written in red (for all the pages) = sensor in alarm state



XAP DISPLAY FUNCTIONS

Page 4 : « Diag 2 »

The « **Diag 2** » page displays all informations of engine diagnostic.
If the value is 0 (except gear shift) = no diag defect. If the value is increased there is a defect.
The value description are described in the table below :



Defaut value	Description
Data ana1 hex =0001	Open circuit* to Throttle 1
Data ana1 hex =0002	Short circuit** to Throttle 1
Data ana1 hex =0003	Defect toThrottle 1
Data ana1 hex =0004	Open circuit to throttle 2
Data ana1 hex =0008	Short circuit to throttle 2
Data ana1 hex =000C	Defect to Throttle 2
Data ana1 hex =0030	Defect to air intake pressure sensor
Data ana1 hex =0040	Open circuit to air intake pressure sensor
Data ana1 hex =0080	Short circuit to air intake pressure sensor
Data ana1 hex =0100	Open circuit to oil pressure sensor
Data ana1 hex =0200	short circuit to oil pressure sensor
Data ana1 hex =0400	Open circuit to fuel pressure sensor
Data ana1 hex =0800	Short circuit to fuel pressure sensor
Data ana1 hex =3000	Defect to gearbox barrel sensor

**** open circuit : wire cut.***
***** short circuit : contact between two wires of the same pole.***

Defaut value	Description
Data ana2 hex =0001	Open circuit to water temperature sensor
Data ana2 hex =0002	Short circuit to water temperature sensor
Data ana2 hex =0003	Defect to water temperature sensor
Data ana2 hex =0004	Open circuit to air temperature sensor
Data ana2 hex =0008	Short circuit air temperature sensor
Data ana2 hex =000C	Defect to air temperature sensor
Data ana2 hex =0010	Open circuit to oil temperature sensor
Data ana2 hex =0020	Short circuit to oil temperature sensor
Data ana2 hex =0030	Defect to oil temperature sensor
Data ana2 hex =3000	Battery voltage more weak

Defaut value	*Description*
Data ana3 hex =0001	Open circuit to pedal track 1
Data ana3 hex =0002	Short circuit to pedal track 1
Data ana3 hex =0003	Defect to pedal track 1
Data ana3 hex =0004	Open circuit to pedal track 2
Data ana3 hex =0008	Short circuit to pedal track 2
Data ana3 hex =000C	Defect to pedal track 2
Data ana3 hex =0010	Open circuit to gearbox oil temperature sensor
Data ana3 hex =0020	Short circuit to gearbox oil temperature sensor
Data ana3 hex =0030	Defect to gearbox oil temperature sensor

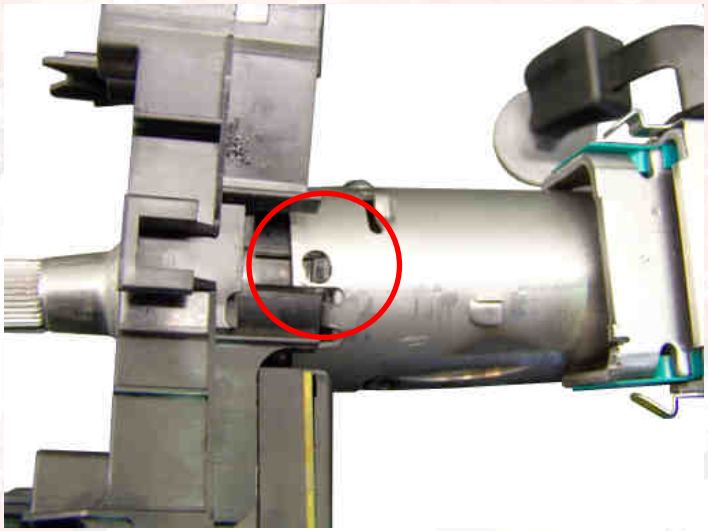
Defaut value	*Description*
Diag Coils Hex = 0100	Open circuit to coil 1
Diag Coils Hex = 1000	Short circuit to coil 1
Diag Coils Hex = 0200	Open circuit to coil 2
Diag Coils Hex = 2000	Short circuit to coil 2
Diag Inj Hex =0001	Open circuit or short circuit to injector 1
Diag Inj Hex =0002	Open circuit or short circuit to injector 2
Diag Inj Hex =0004	Open circuit or short circuit to injector 3
Diag Inj Hex =0008	Open circuit or short circuit to injector 4

Assembling the lighting and windscreen wiper controls on the steering column.

Remove the steering column "Neiman", and remove its welded support (see photo opposite).

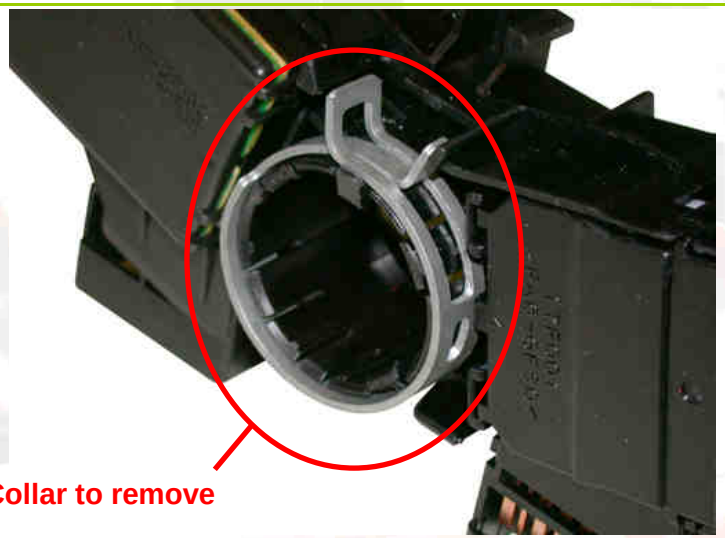
Support to be removed

Drill a Ø 6mm hole on the top of the column, to reference the position of the controls.



Ø 6 mm

Assemble the windscreen wiper control with the lighting control, and remove the original collar.



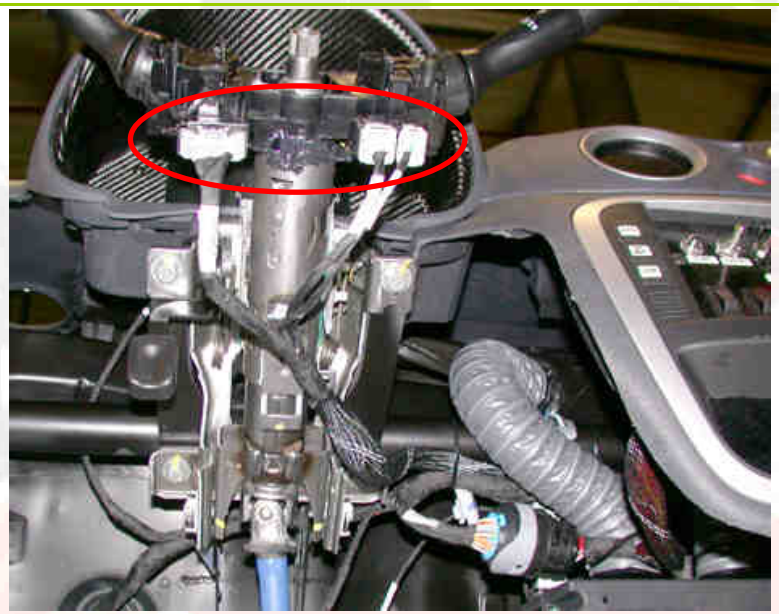
Fit the control assembly on the steering column, and lay down a strip of dual-component adhesive all round in order to bond it to the column.

3M Dual-component 490

Assemble the steering column with the steering rack, and fix it on its support.

Connect the 3 passenger compartment bundle connectors onto the controls.

<u>Note:</u> despite the column's height and depth adjustments, if the steering wheel is too high, shims (max. 5mm thick) can be added between the column and its support.



3.5 m.kg

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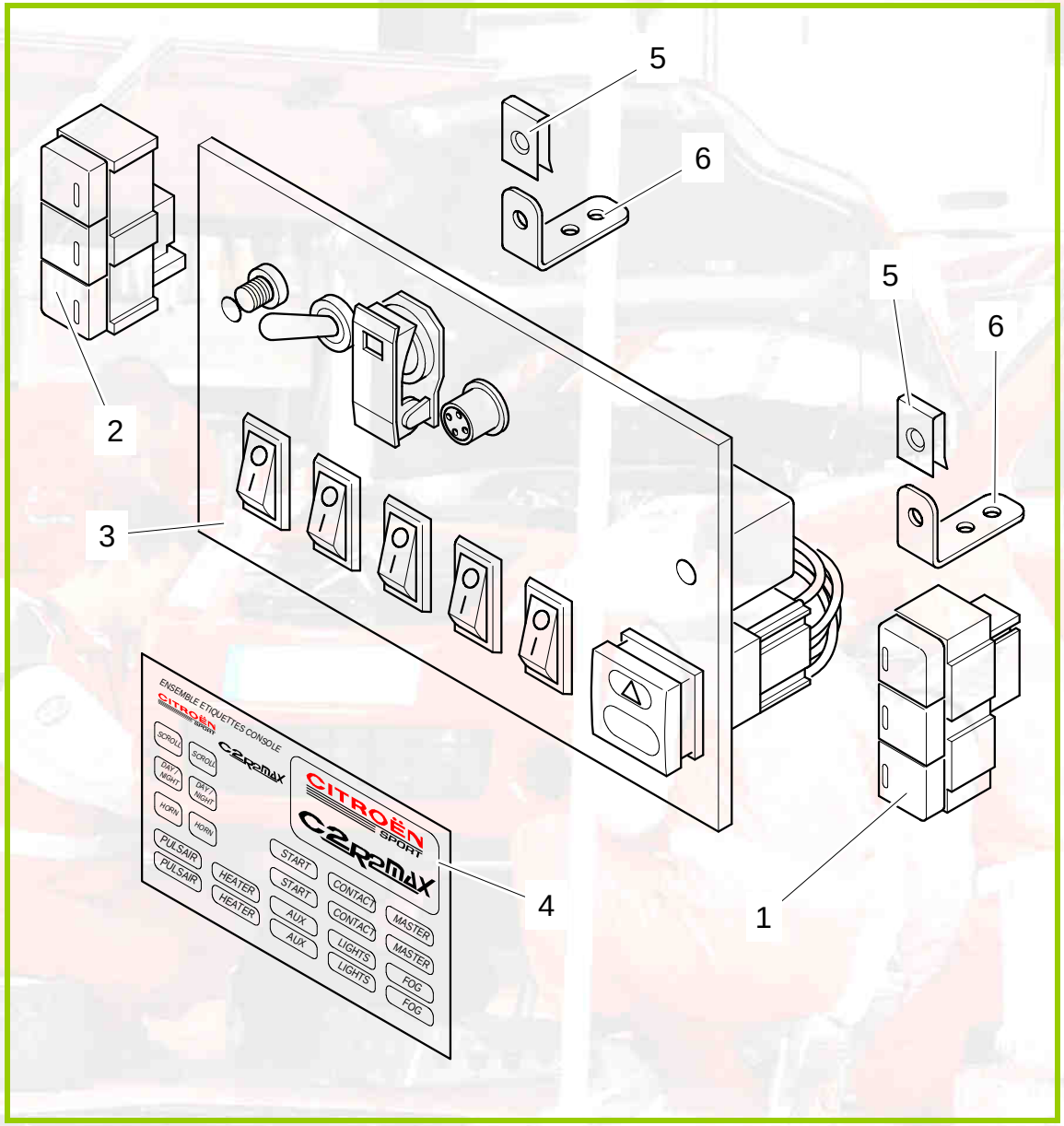

Ref	Part Number	Qty	Description
1	BCSP6554PK	1	Dashboard switches - Left
2	BCSP6564PL	1	Dashboard switches - Right (dummies)
3	3S1A82143J	1	Central console
4	3S1A62895A	1	Central console stickers
5	BCSP694379	2	Central console retaining nut
6	3S1A62880A	2	Central console fixing bracket

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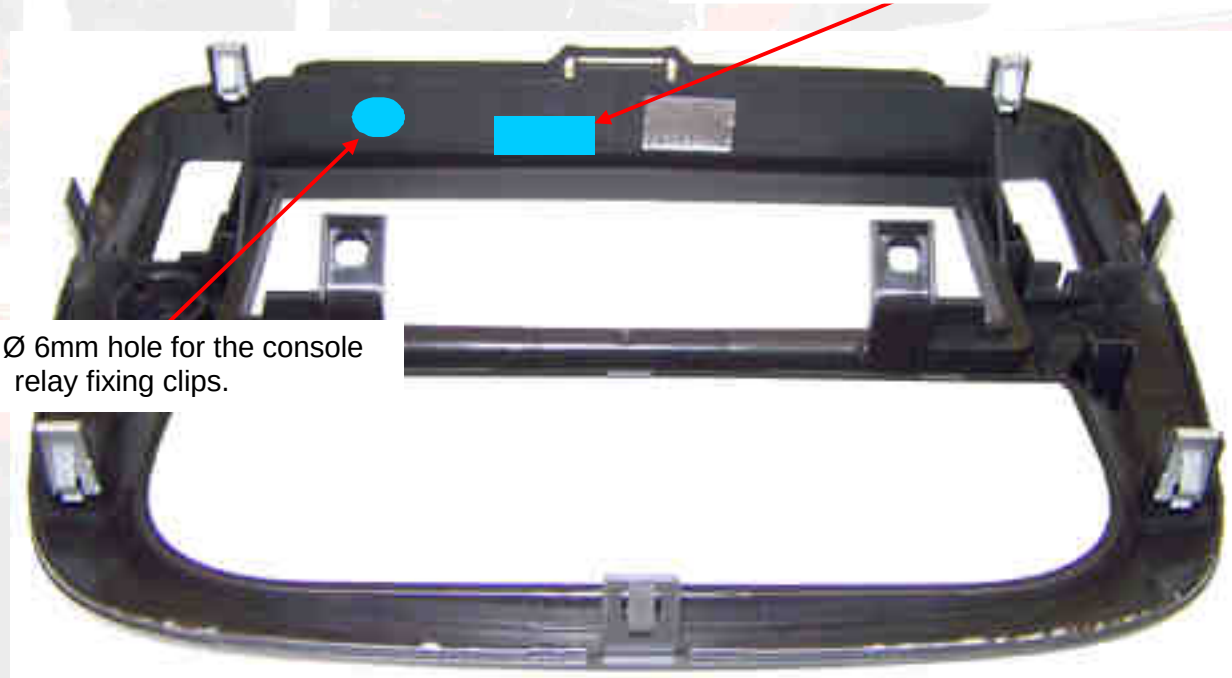
Remove (unclip) the plastic insert of the heating unit in order to modify it.

Make a hole (**A**) for the passage and protection of the relay wires from the electrical console.

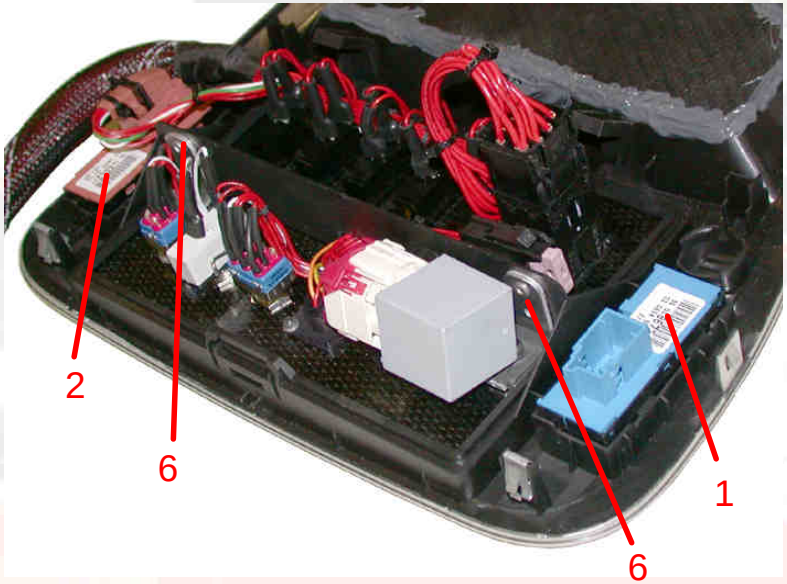
Make a hole (**B**) for the console relay fixing clips.



Fix the brackets (*ref. 6*) on the insert using 4 Ø3mm rivets (see photo opposite).

Fit the sheet nuts (*ref. 5*) on the brackets.

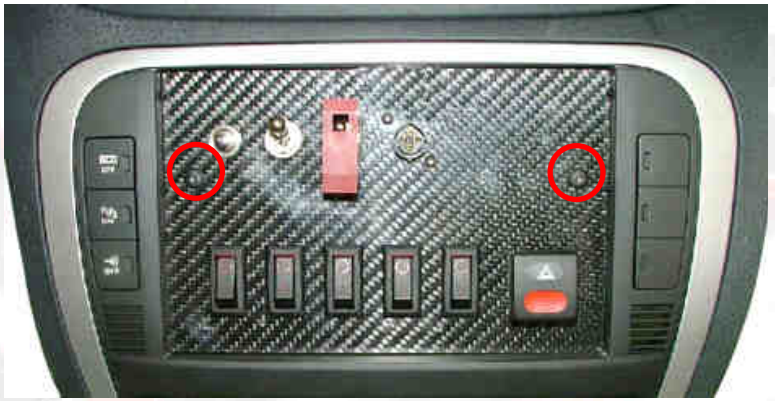
Clip the dashboard switches (*ref. 1 and 2*) onto the insert.



Fit the console on the plastic insert (via the brackets and sheet nuts) using 2 Ø5mm lg 12mm screws.

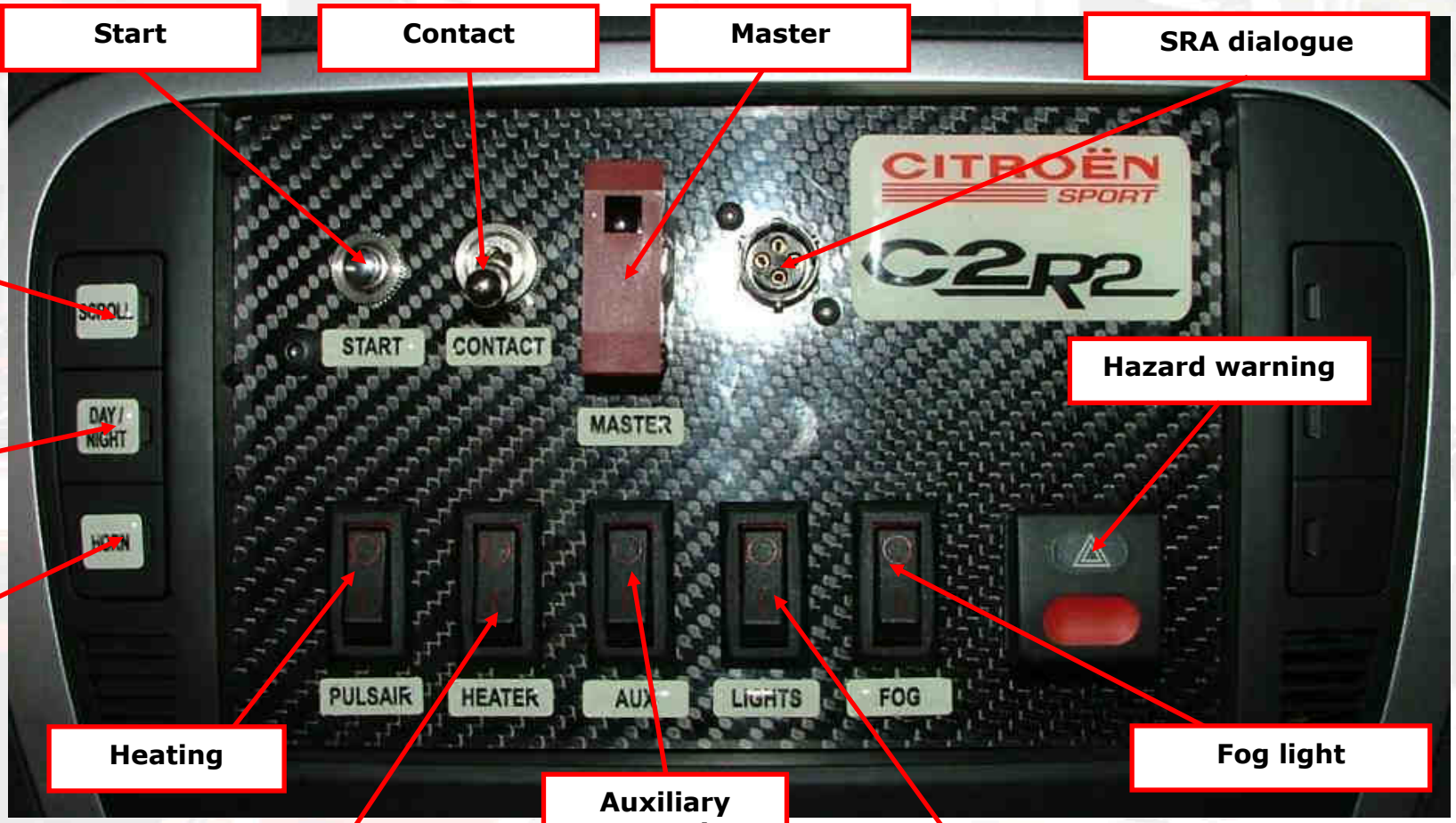
Connect the left dashboard switch (*ref.2*).

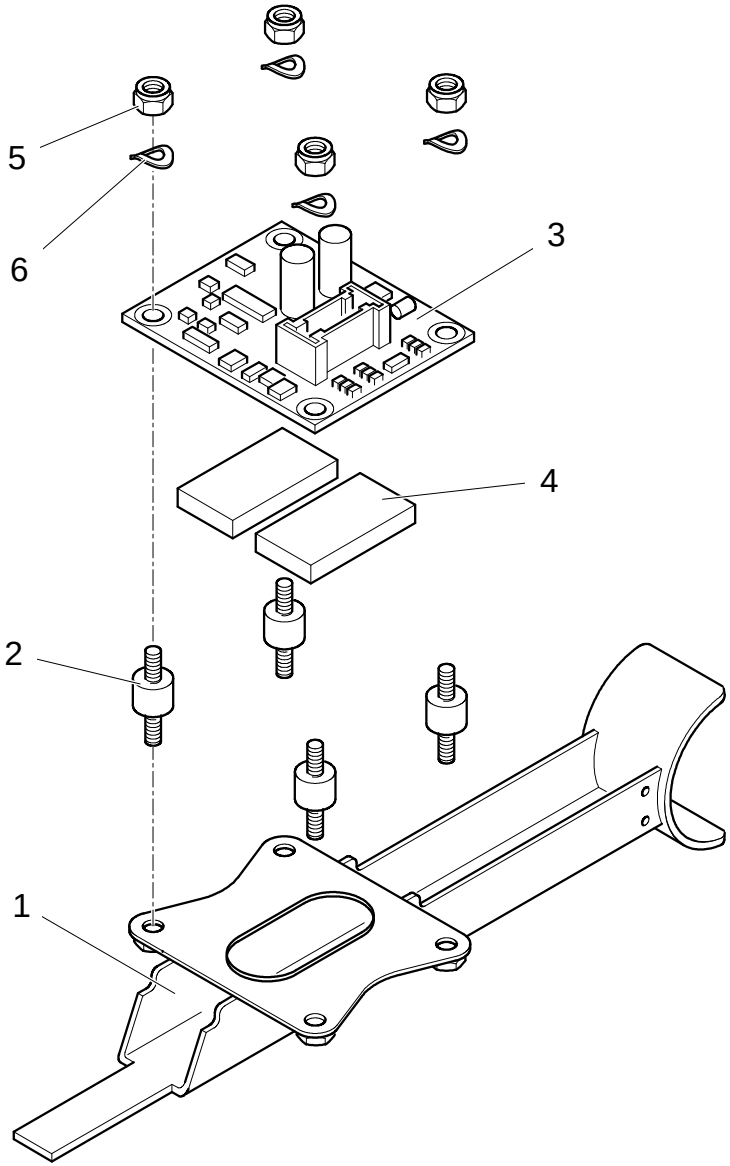
Connect the central console to the passenger compartment bundle.



Put the board labels (*rep. 5*) in place on the console.

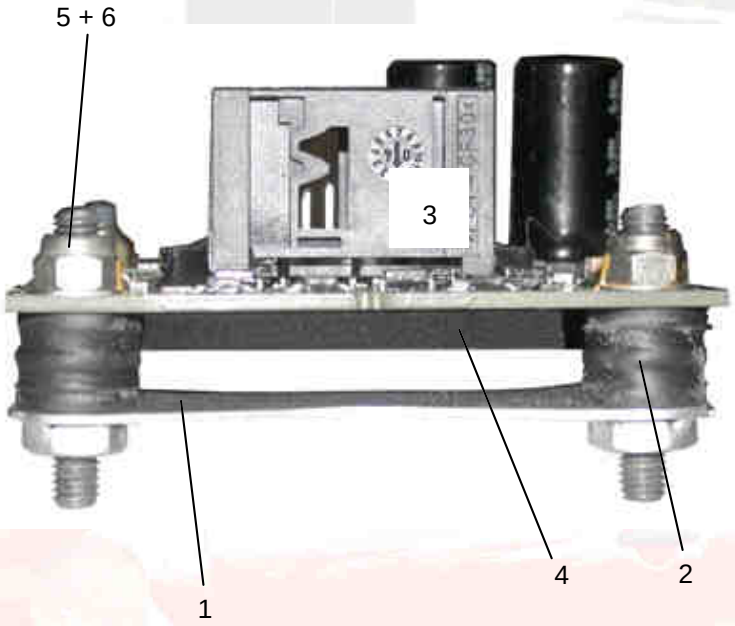
CENTRAL CONSOLE FUNCTIONS:





Ref	Part Number	Qty	Description
1	3S3A62888E	1	Mount for printed circuit
2	PS78510A10	4	Silent-block M5 for printed circuit
3	3S1A82140F	1	Printed circuit
4	BCSP412507	1	Foam for printed circuit
5	BCSP693673	4	Nut M5 nylstop
6	BCSP696226	4	Washer, Onduflex type A

Fit the silent-blocks (*ref. 2*) on the mount (*ref. 1*).



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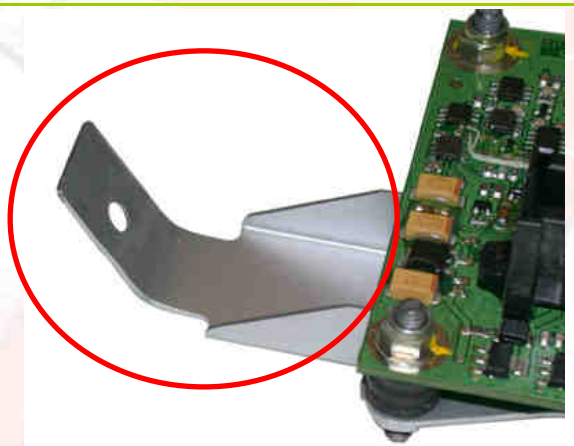
Glue the foam (*ref. 4*) on the back of the board (*ref. 3*).

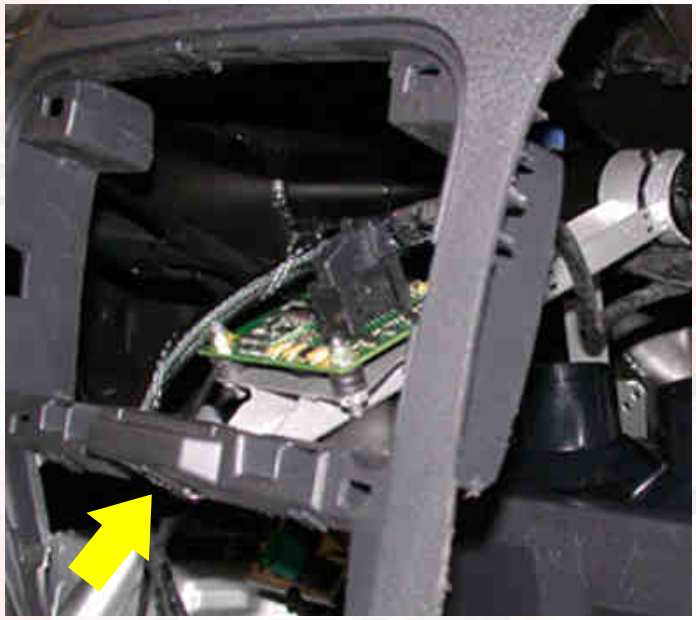
Fix the card on the mount with the nuts (*ref. 5*) and the washers (*rep. 6*). Take care, moderate tightening.

Bend the end of the circuit mount as shown in the photo opposite, so that the fixing area follows the shape of the dashboard (see photos below).



Fix the printed circuit mount assembly on the crossmember using a plastic collar (rilsan), as shown in the photo opposite.

Attach the printed circuit board mount to the dashboard, with a sheet nut (BCSP694379) and a screw Ø5 Lg 12mm.



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Connect the printed circuit board to the passenger compartment bundle, as shown in the photo opposite.