

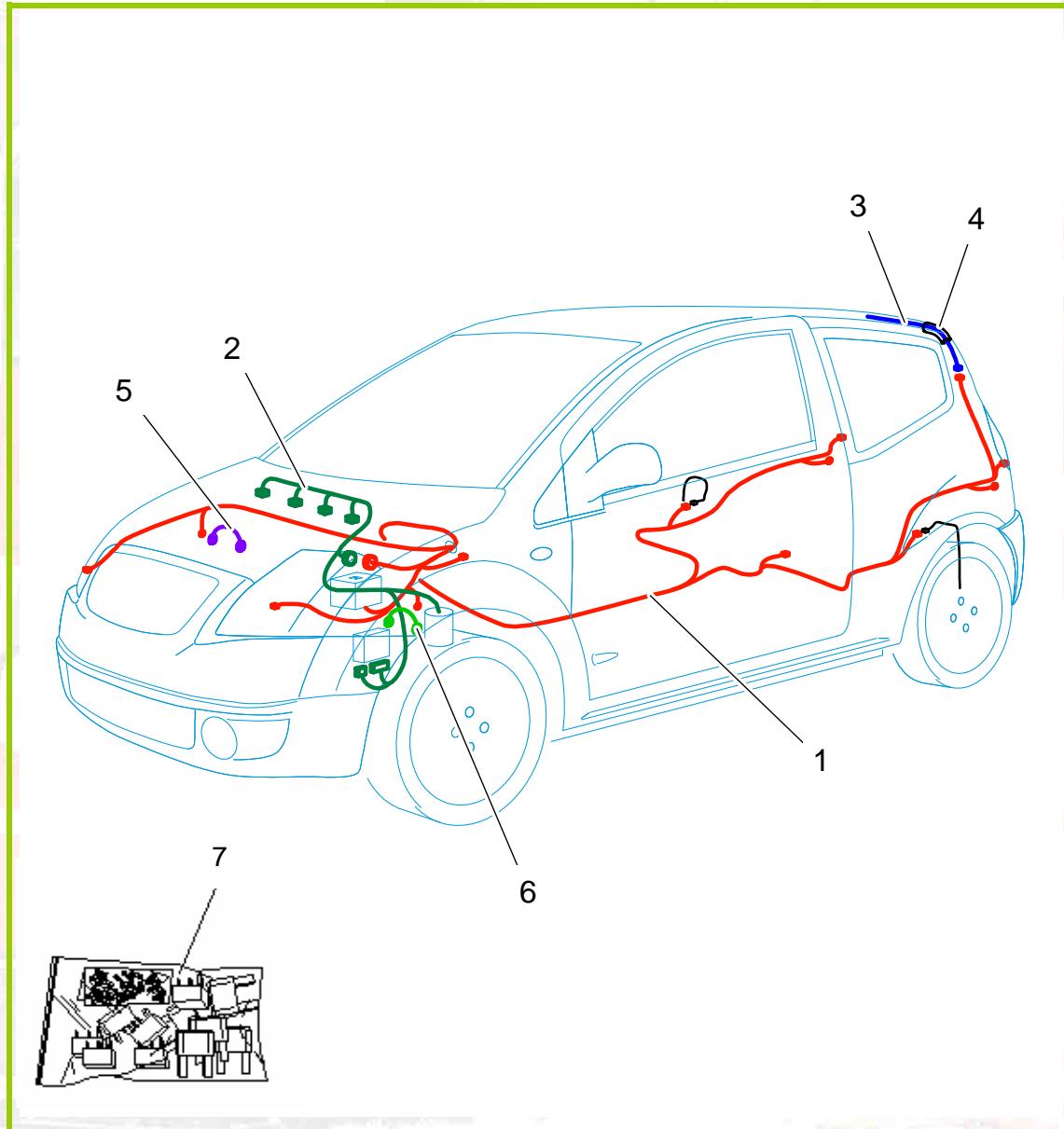


C2R2MAX

Revision 06 – 02 November 2009

Z9J

LOOMS



Ref	Part Number	Qty	Description
1	3Z9S82141P	1	Inside loom
2	3Z9J82142N	1	Engine loom
3	BCSP6534NA	1	Tailgate loomFaisceau
4	BCSP653888	1	Tailgate loom sleeve
5	BCSP563894	1	Head on body ground braid
6	BCSP563896	1	Ecu on body ground braid
7	3Z9C82150E	1	Connector collection
	BCSP6529VX	1	Injector loom

Inside loom assembly :

The inside side of the loom must go through the body hole, as shown on the opposite picture.

Be carefull to don't injure wires and connectors !



Clip the grommet, and verify the keeping, inside and outside as well.



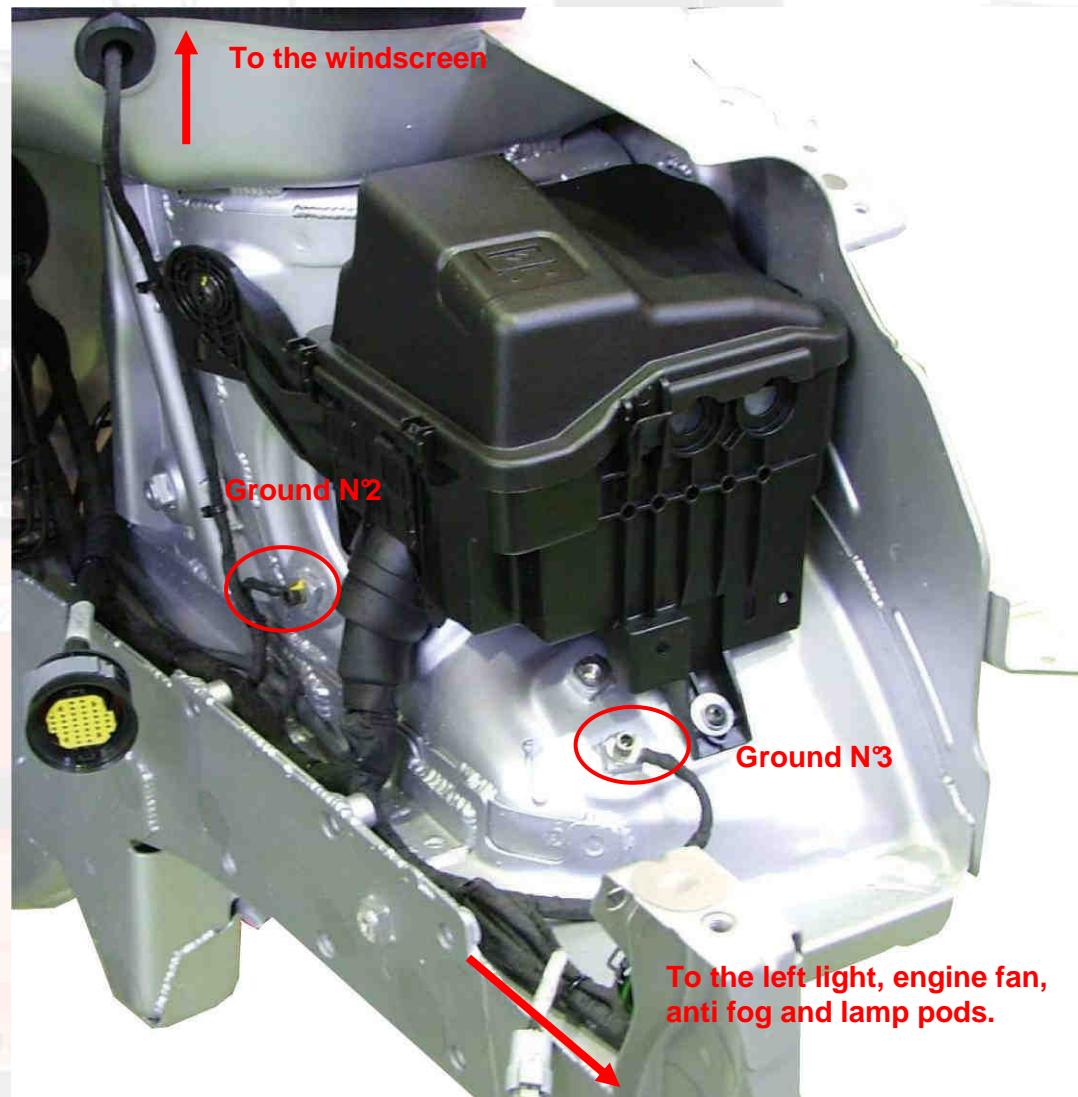
Front side, engine location :

Assembly, right side :





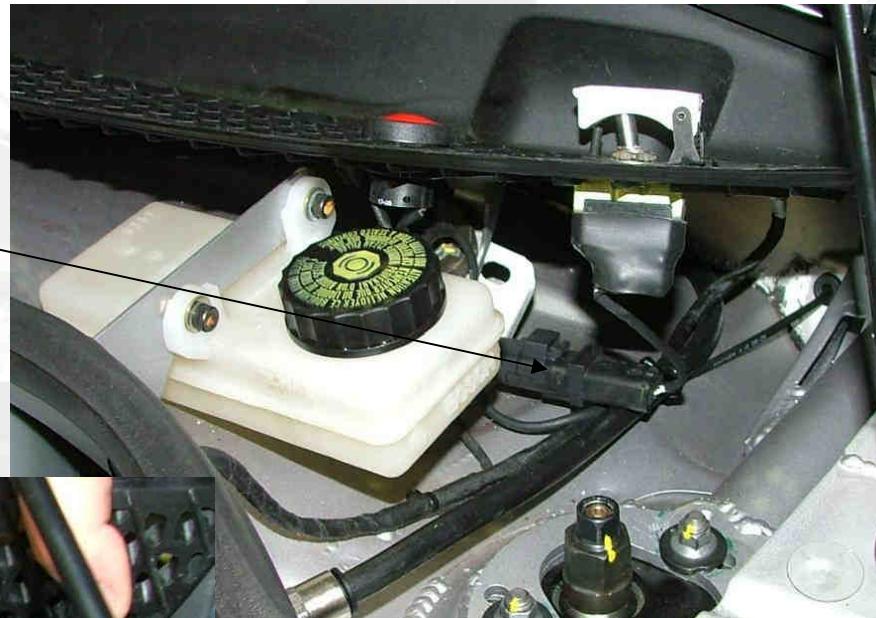
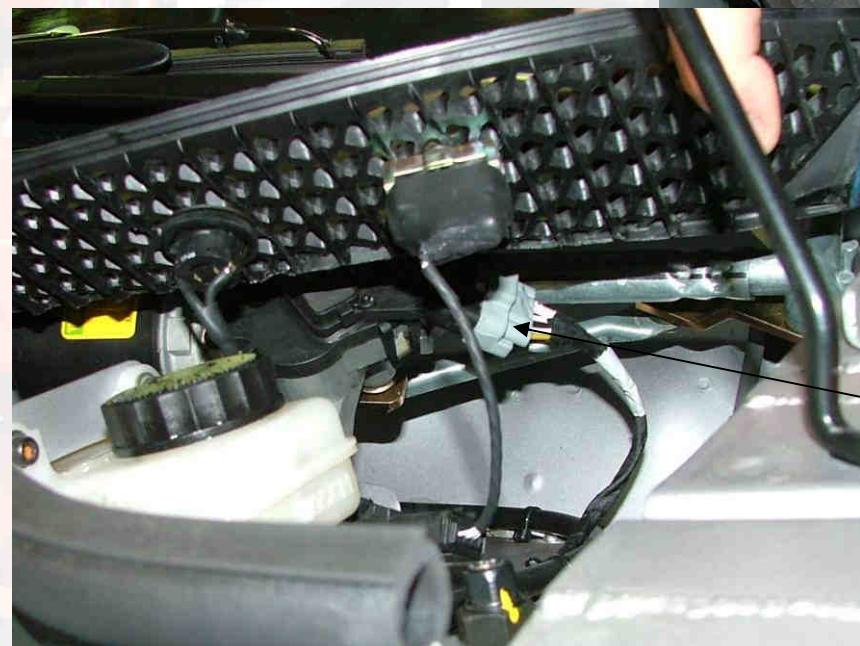
Assembly, left side :





Windscreen side assembly :

Connect the external circuit breaker loom.

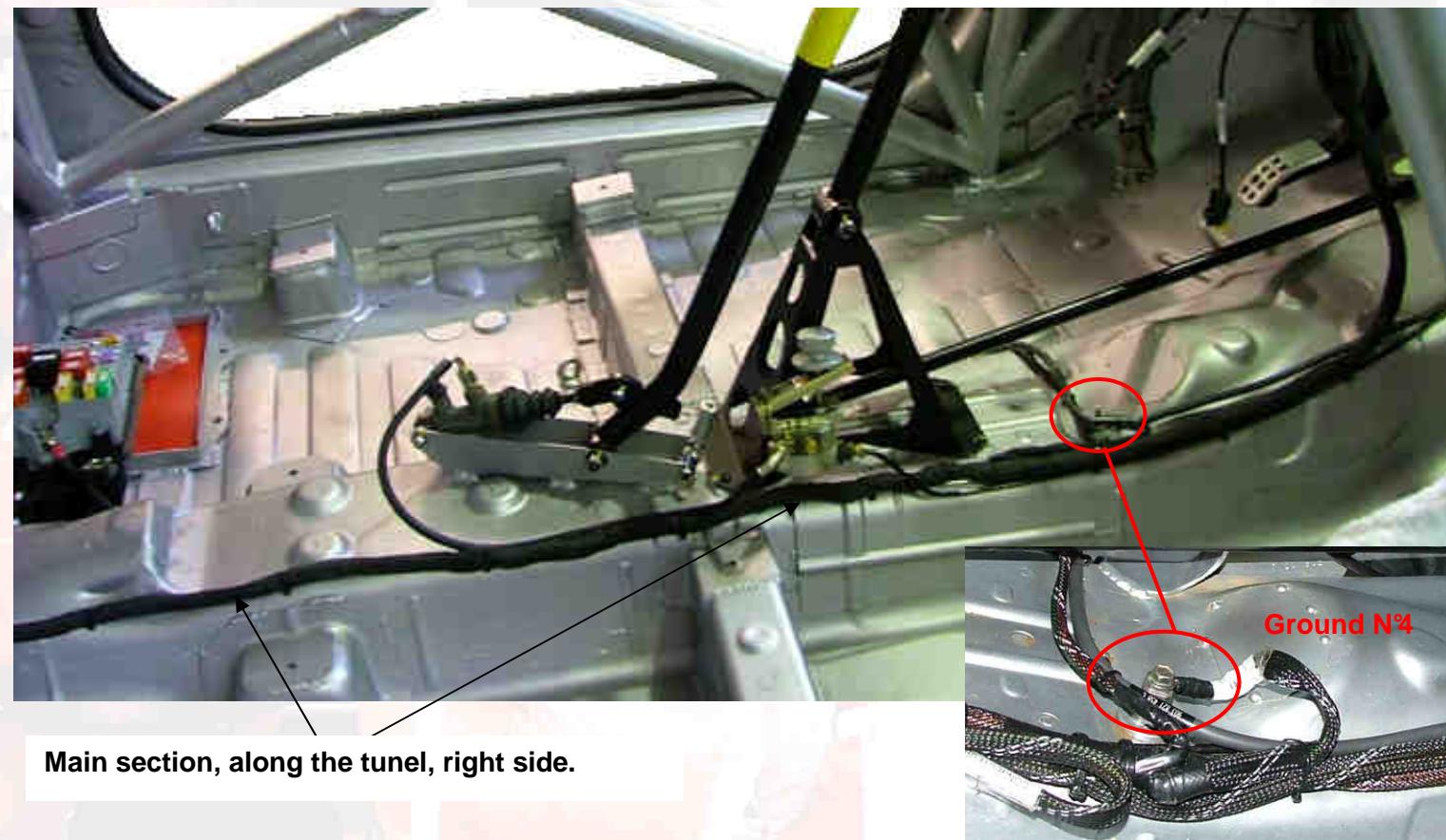


Connect the wiper engine.



Inside, central location :

You can find hereafter some pictures concerning location and positions :



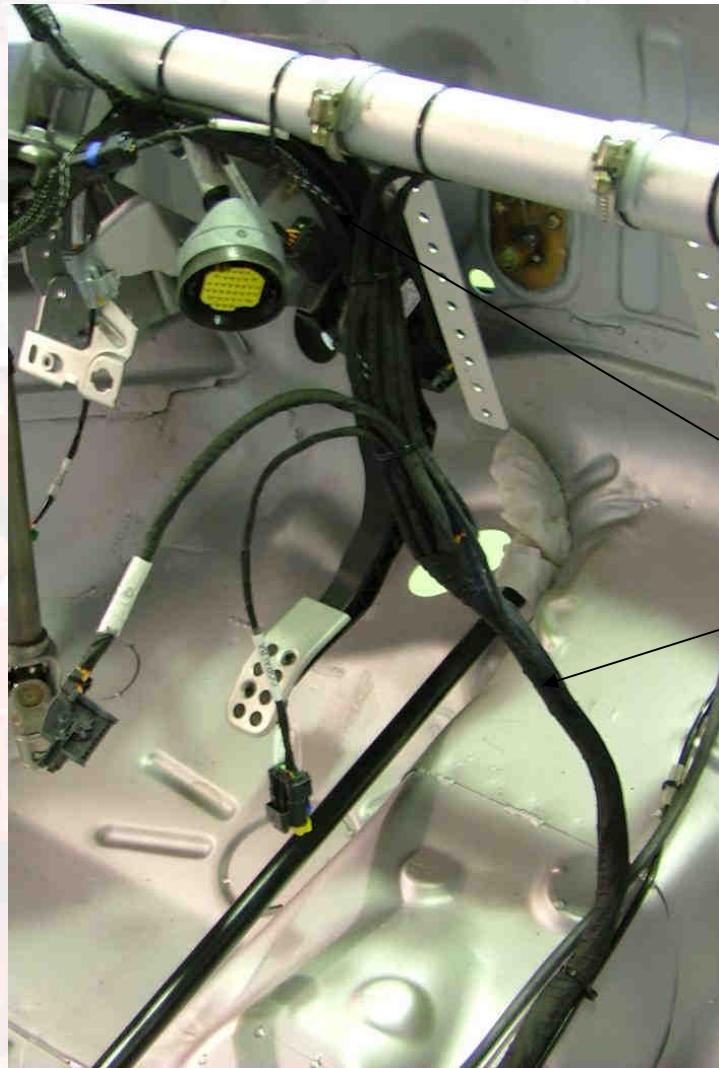
Main section, along the tunel, right side.





Aditionnal picture concerning the position on the tunel :





To the level of the rollcage cross member, let the loom go up, and attach it on the crossmember.

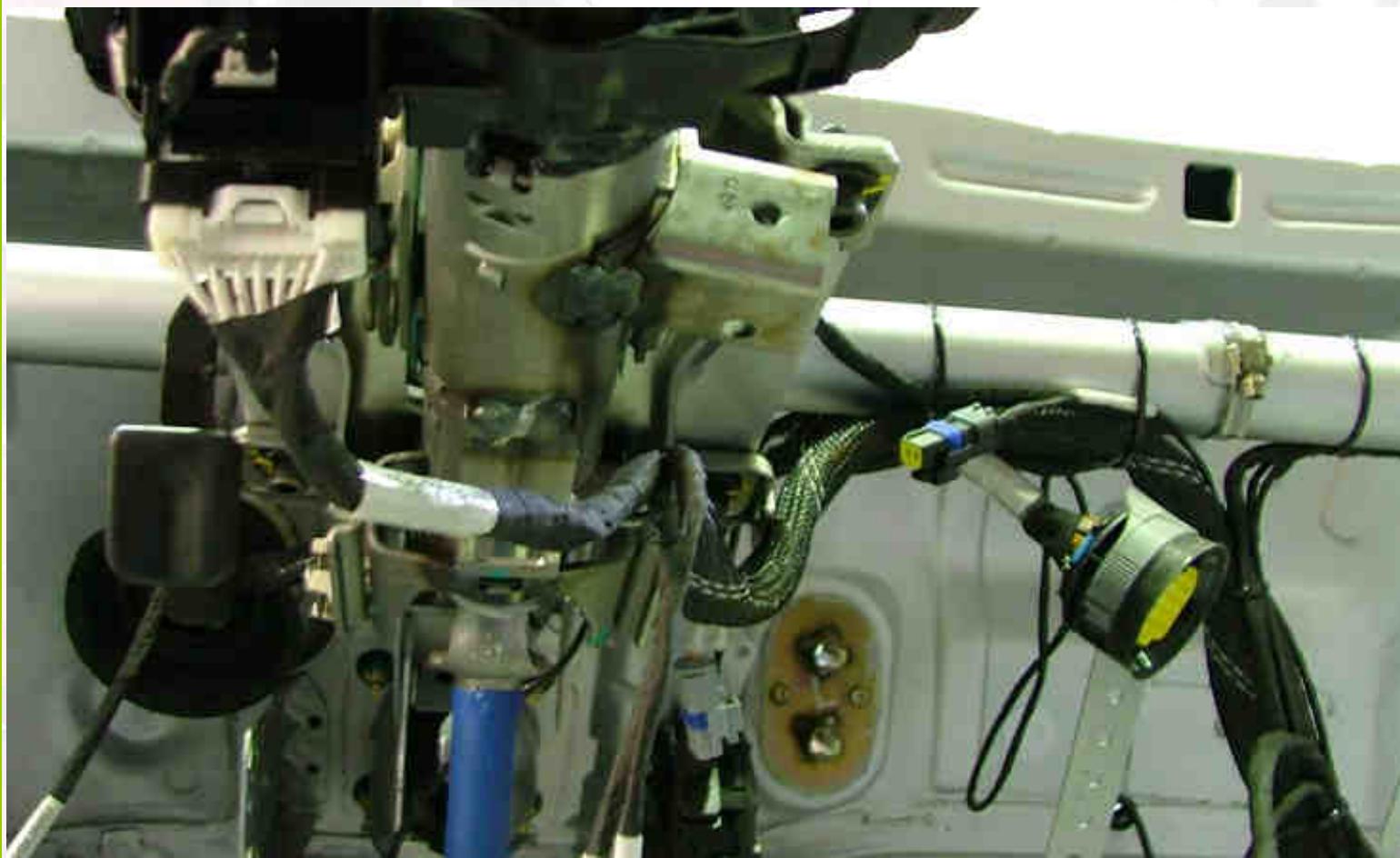


Z9J
Looms

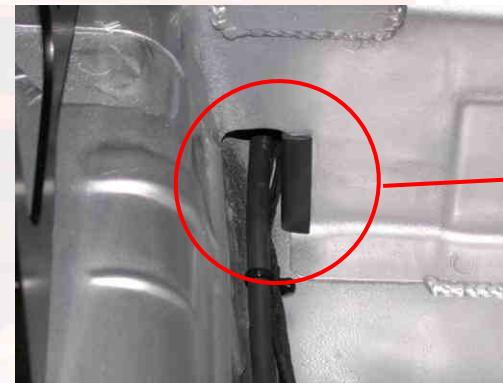
ZS
ELECTRICITY



Details of the crossmember fitting, and connections to commodos.



Revision 06 – 02 November 2009



Protect the cutting areas of brackets and body, to don't injure the loom.

Z9J
Looms



ZS
ELECTRICITY

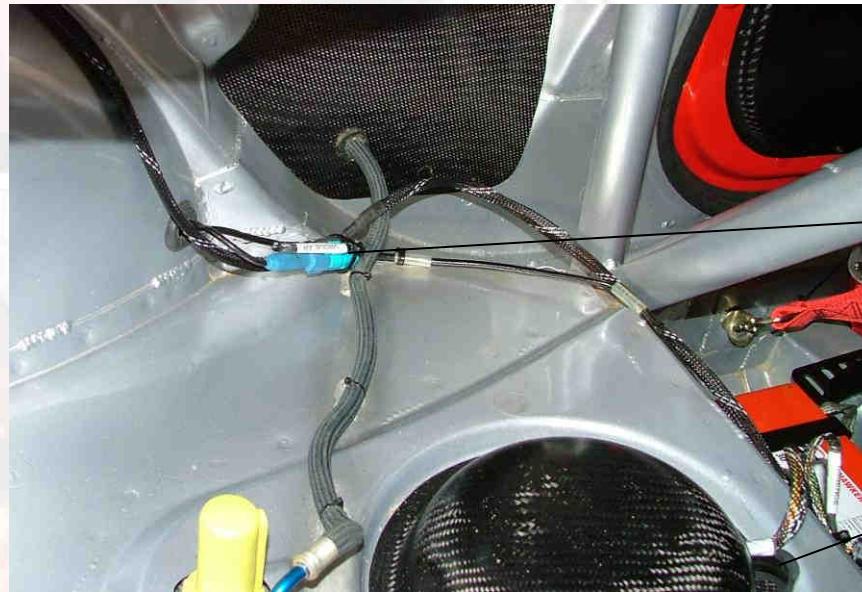
Rear side :

On the rear side, the loom is divided on 2 ways, one for the left side and one for the right side :



Electrical ground, generalities : The good conductability of each ground is very important for the good electrical work of the car. Each ground has to be well prepared, and verified during every rebuilt of the car (good paint cleaning with sandpaper, and conductability test with an ohm meter).

Left rear :



Connect to left rear speed sensor
(speed on the dashboard)

Connection to the fuel pump

Connect to the rear tail gate loom

Ground N5

Connect to the left tail light



**Z9J
Looms**



**ZS
ELECTRICITY**

Right rear :

Connect to the right speed
sensor (Coralba speed)



Connect to the right tail
light



Start limitor assembly :

The inside loom is equiped of a start limitor connector.

Connected to a button on the steering wheel (shown on the opposite picture), this function reduce and stabilize the engine revs when its on.

So, starts are easier to do, because of an appropriate rev.

Push on the button during the start, and keep it on until the traction is found.

Start limitor loom assembly :

You can find hereafter the right connector and pins in connector bag, delivered with the engine and inside loom kits.

We suggest to use some « telephone » wires, and an appropriate button (parts numbers below) :

« Telephone » wires : ref **365-234**, Radiospares.

Button : ref **324-9056** (without led), Radiospares.

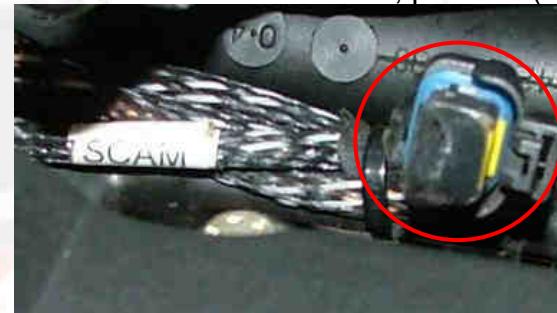


Assembly details :





Nota : Unused connectors (as electrical power steering, Scam etc...) have to be protected to humidity, water, dust and so on. So, apply some silicon on the connector, pin side (as shown on the picture below).



Protection by silicon or equivalent

We suggest to don't cut unused connectors, and to don't protect it with plastic sachets or equivalent.

By experience, we know that this kind of protection become a water or humidity reserve.

Recapitulatory and locations of inside loom grounds :

Ground N°	Location
1	On front side, above the right side member.
2	On front side, above the left side member.
3	On front side, in front of the fuse box.
4	Inside, on the tunel, in front of the gearbox lever mounting.
5	On rear left side, close to the tail light.
6	On rear right side, above the tail light.

Electric grounds, generalities : The good conductability of each ground is very important for the good electrical work of the car. Each ground has to be well prepared, and verified during every rebuilt of the car (good paint cleaning with sandpaper, and conductability test with an ohm meter).

« Options » connections : You can find below pin out for each option function connectors of the inside loom (coralba, fuel gauge, start limitor, lamp pods, antifog lights, data logger and so on) :



P.B CHAUFFANT



BF hab / 3V BE / A / AWG18
BF hab / 3V BE / A / AWG18

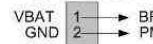


GPS
BF hab / 3V GR / B / AWG16
PM1 / AWG16
1 GND
2 VBAT

AFFICHEUR ESSENCE
PM1 / AWG22
Bloc Pompe essence / 5 / AWG22
BF hab 32V NR / 32 / AWG22
Bloc Pompe essence / 6 / AWG22
1 GND
2 SIGNAL
3 VBAT
4 SIGNAL



A-B DROIT

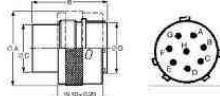


VBAT
GND 1 BF mot 32V MR / 18 / AWG 20
2 PM4 / AWG20

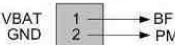


RAMPE DE PHARES

+12V P.VIRAGE D A BF mot 32V MR / 22 / AWG 20
+12V P.POINTE D F BF mot 32V MR / 4 / AWG 20
+12V P.POINTE G G BF mot 32V MR / 5 / AWG 20
+12V P.VIRAGE G H BF mot 32V MR / 25 / AWG 20
GND B PM3 / AWG20
GND C PM3 / AWG20
GND D PM3 / AWG20
GND E PM3 / AWG20

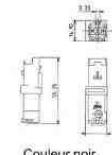
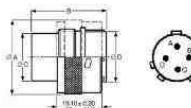


A-B GAUCHE



VBAT
GND 1 BF mot 32V NR / 17 / AWG 20
2 PM3 / AWG20

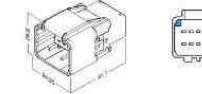
ACQUI
BF hab / 32V MR / 32 / AWG22
PM1 A
DASHBOARD / 8 / AWG22 B
DASHBOARD / 16 / AWG22 C
CONNECTEUR OPTIONS / 9 / AWG22 D
CONNECTEUR OPTIONS / 4 / AWG22 E
VBAT
GND
CAN0_L
CAN0_H



PRELIMITEUR

GND 1 PM1 / AWG22
Prelim 2 Moteur / 19 / AWG22

Connecteur options
BF hab / 32V MR / 4 / AWG22
1 VBAT
2
3
4 ACQUI / B / AWG22
ACQUI / C / AWG22
5 PM1 / AWG18
6 PM1 / AWG18
7 PM1 / AWG18
8 GND
9 GND
10 VBAT
BF hab / 3V GR / C / AWG18
BF hab / 3V GR / C / AWG18
11 VBAT

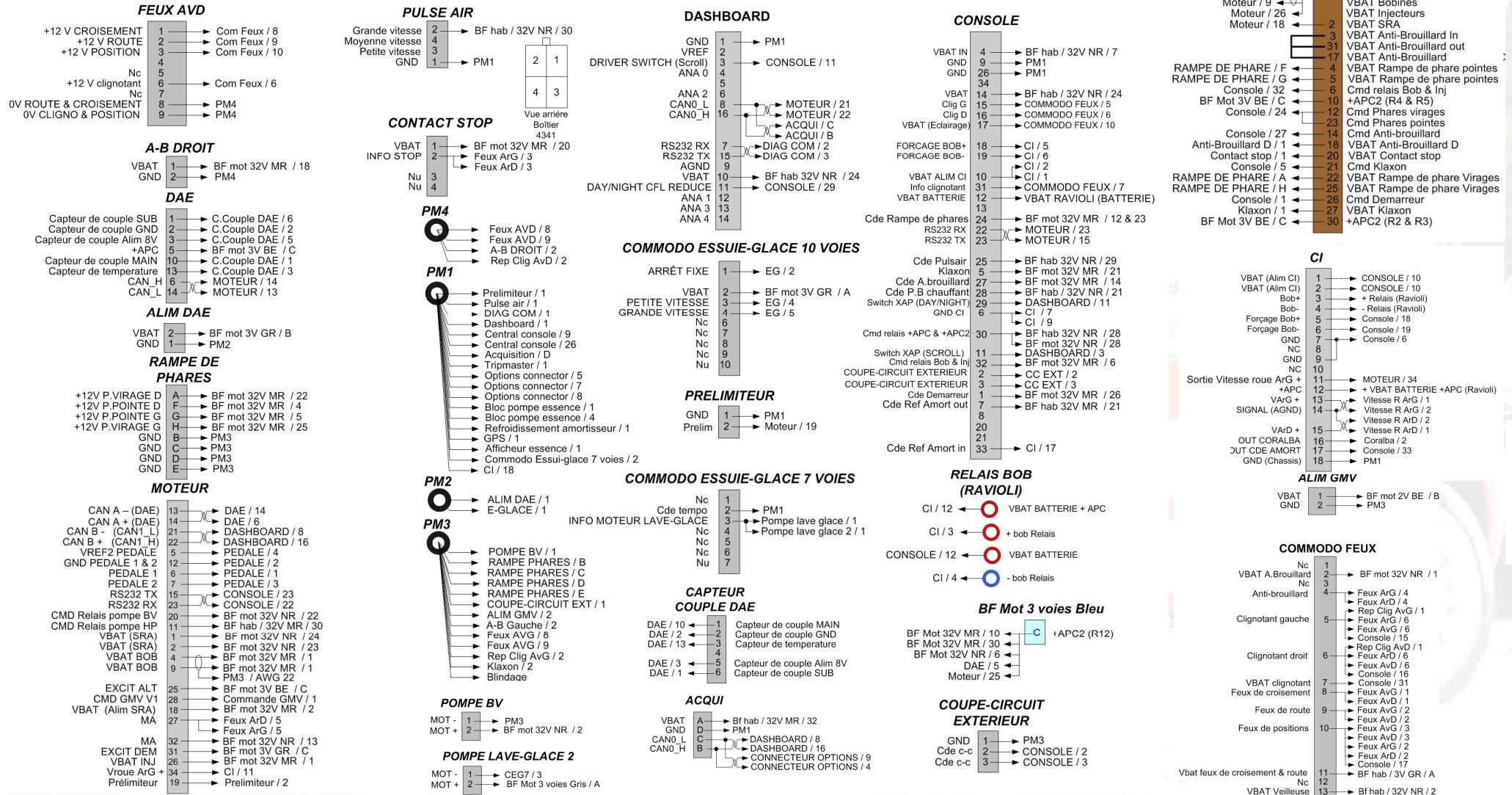


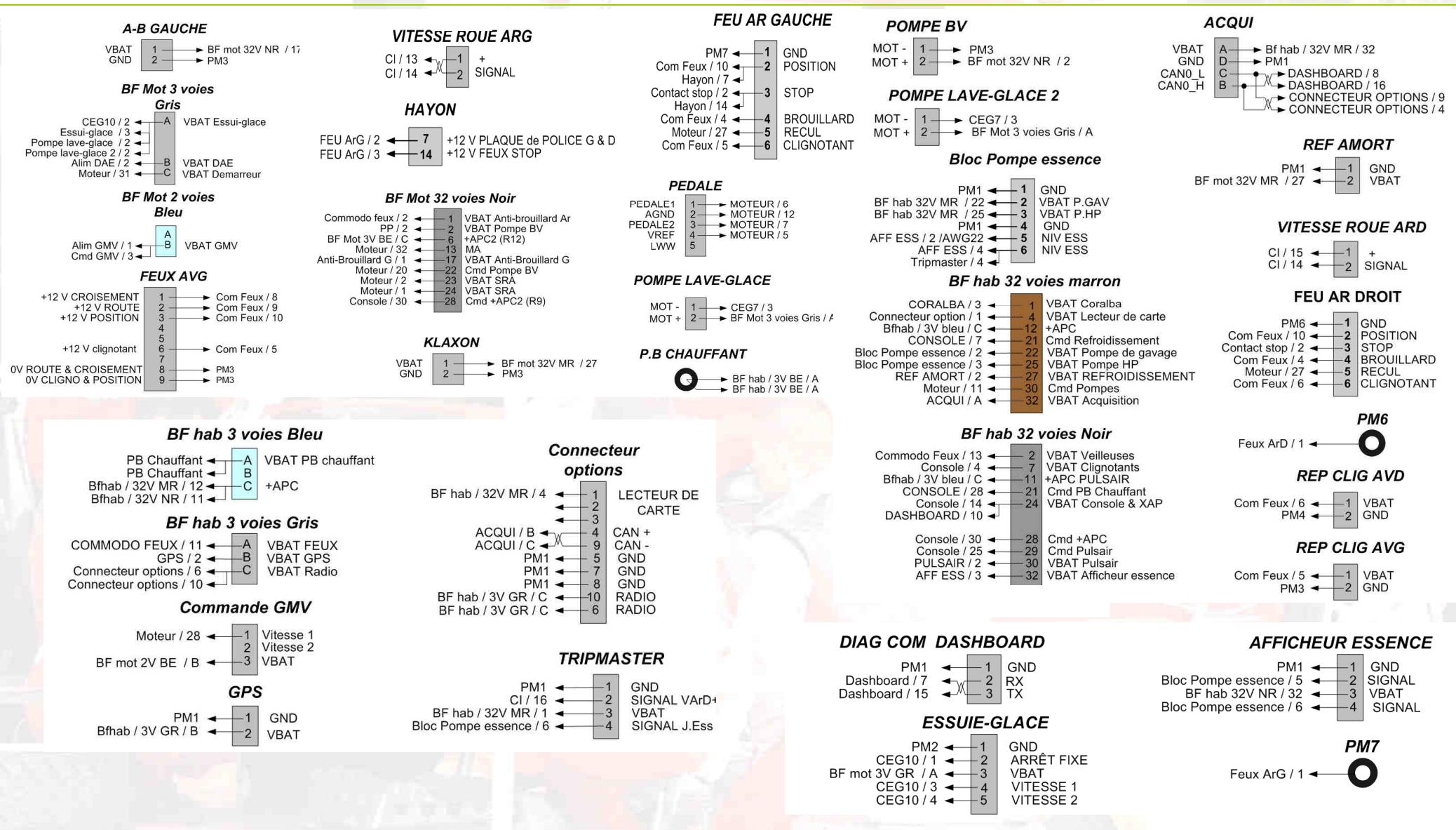
CORALBA

PM1 / AWG20
CI / 18 / AWG22
1 GND
2 SIGNAL VArD+
BF hab / 32V MR / 1 / AWG20
3 VBAT



Inside loom pin-out :

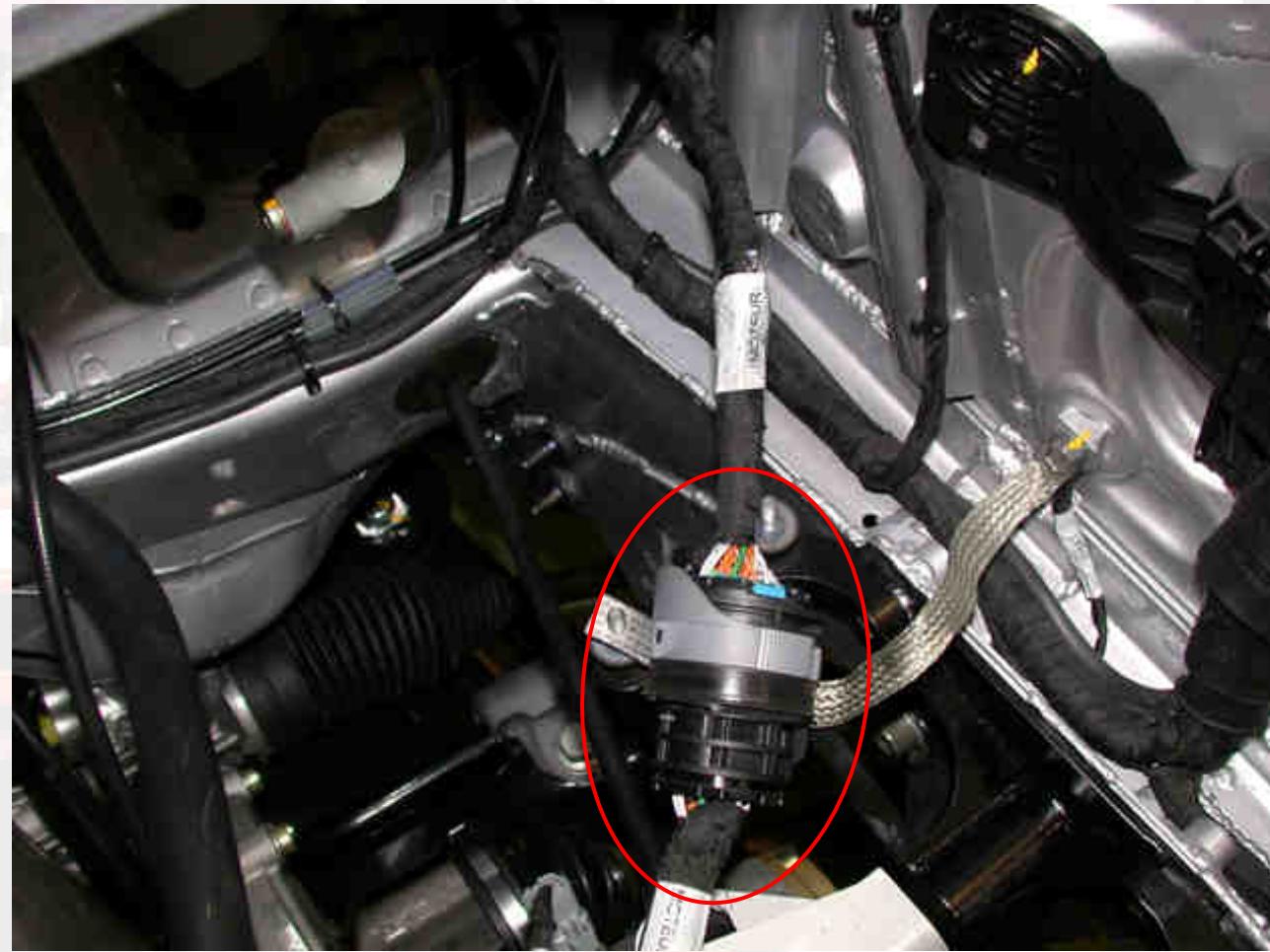






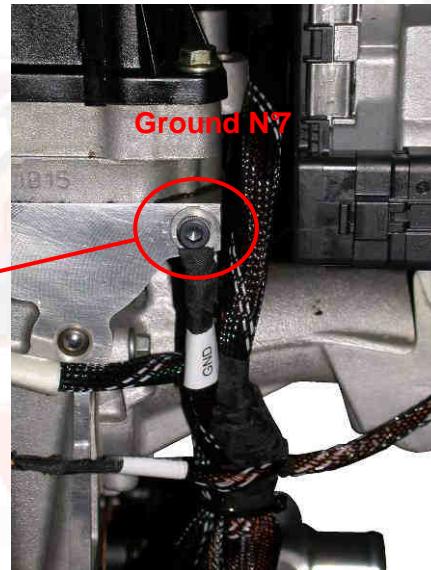
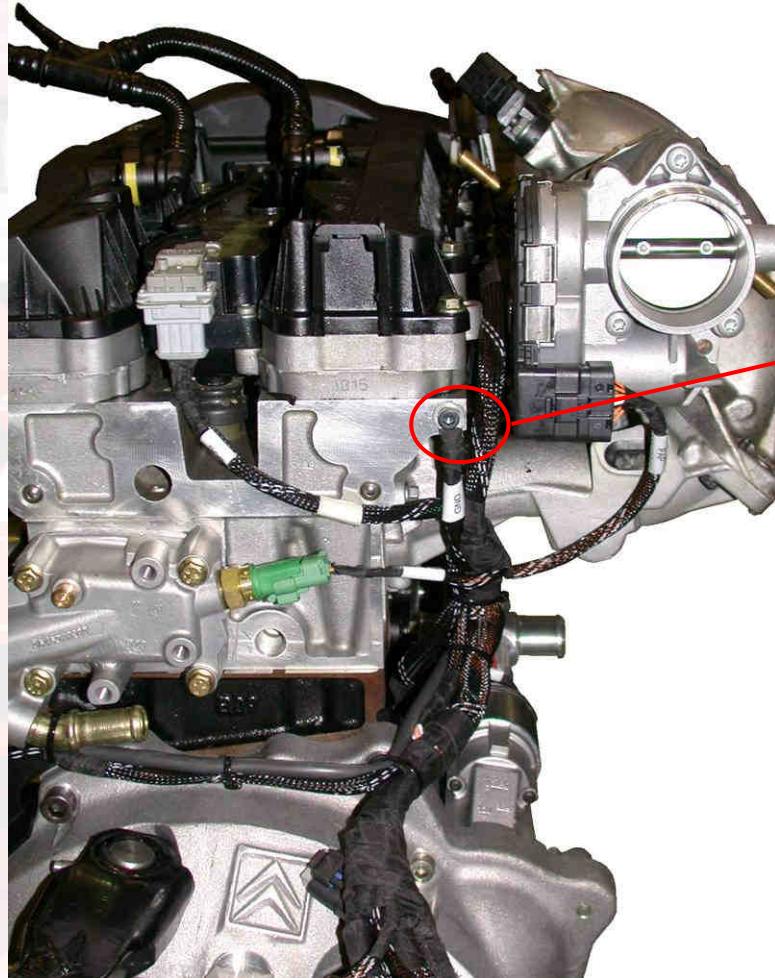
Engine loom assembly :

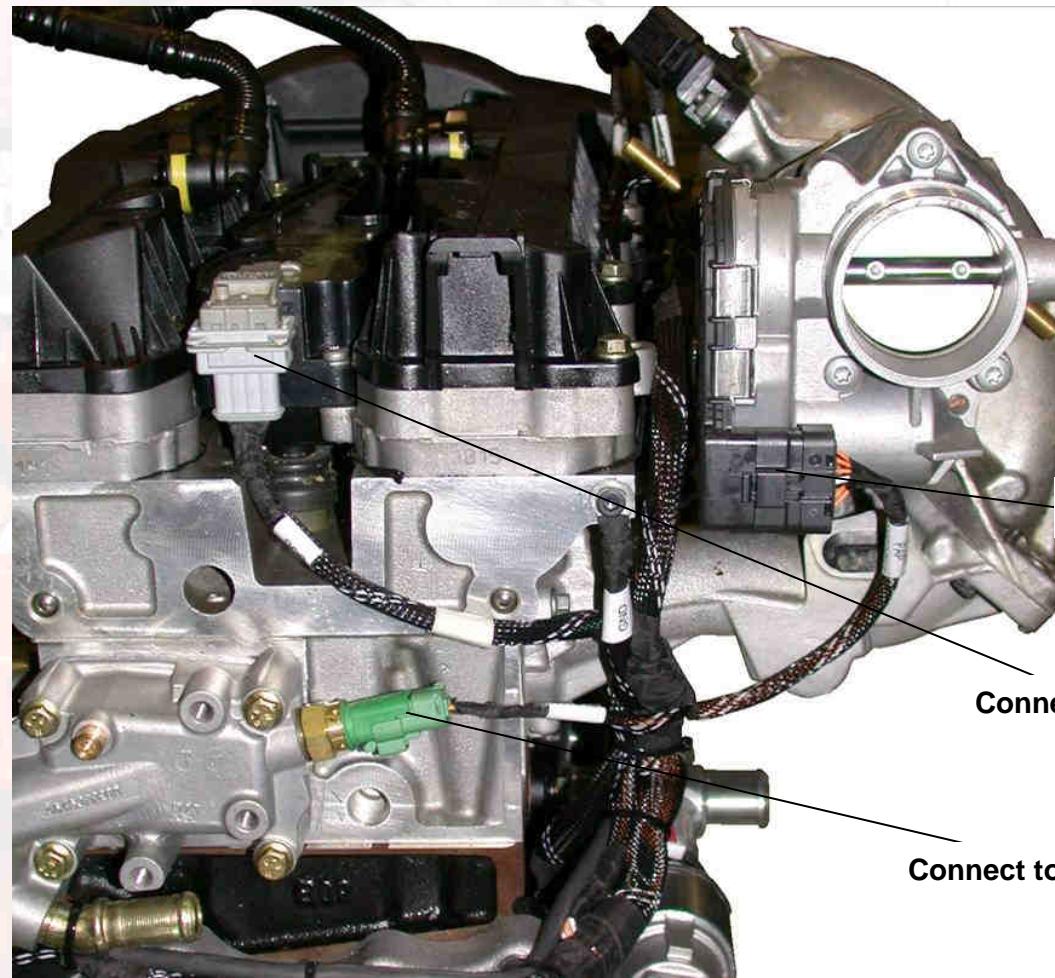
Connect the engine loom ([rep.2](#)) to the inside loom (as shown on the picture below).





You can find below some pictures, showing all the loom positions, and all connections :





Connect to the throttle body

Connect to the coils

Connect to the water temp sensor



Z9J
Looms

ZS
ELECTRICITY

Fuel ramp side, fuel pressure sensor and intake pressure :



Connect to the alternator

Connect to the starter



« SRA » ECU connection :

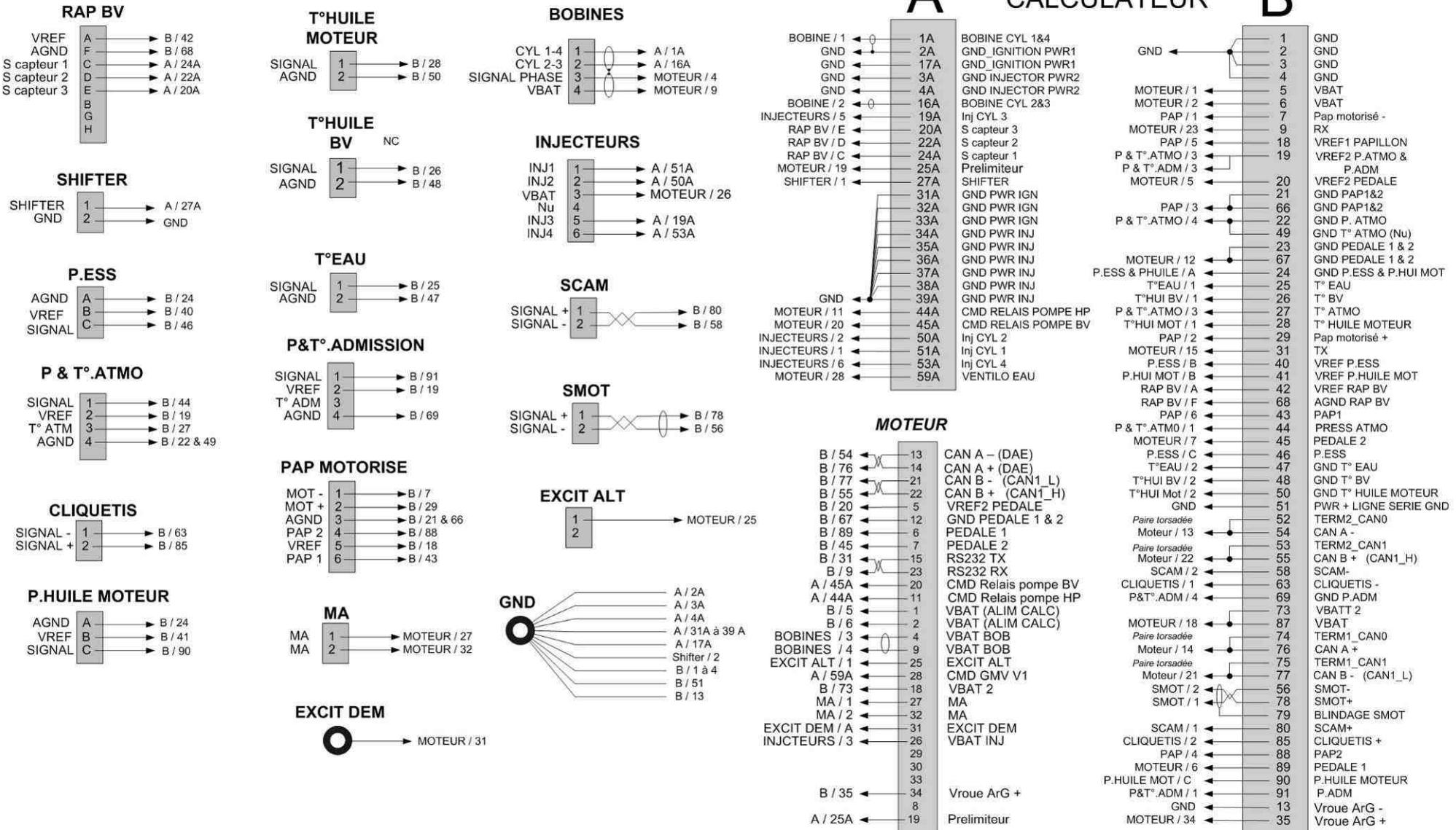
« A » Connector

« B » Connector



Be carefull : Take a look on both SRA seals every time that you connect the loom to the ECU. Pay attention that seals (A and B) are in good condition, if not change don't hesitate to change it. Apply only some neutral grease (as « Loctite » silicone) on **A** and **B** connector seals.

The using of WD40 or brake cleaner is forbidden (shadding off and expansion of the seals)





Tail gate loom assembly :

Connect the tail gate loom (*rep. 3*) to the inside loom by the right connector.

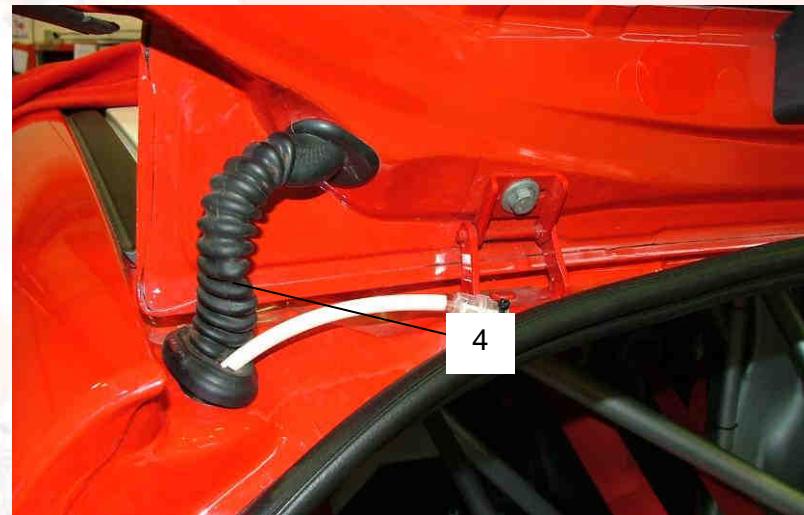
Connect the tail gate ground to the body.

Slide the loom through the body by the hole shown on the opposite picture.



On tail gate side, slide the sleeve (*rep. 4*) along the tail gate loom, and clip it on both sides (body and tail gate).

To finish, connect the third stop light to the tail gate loom.

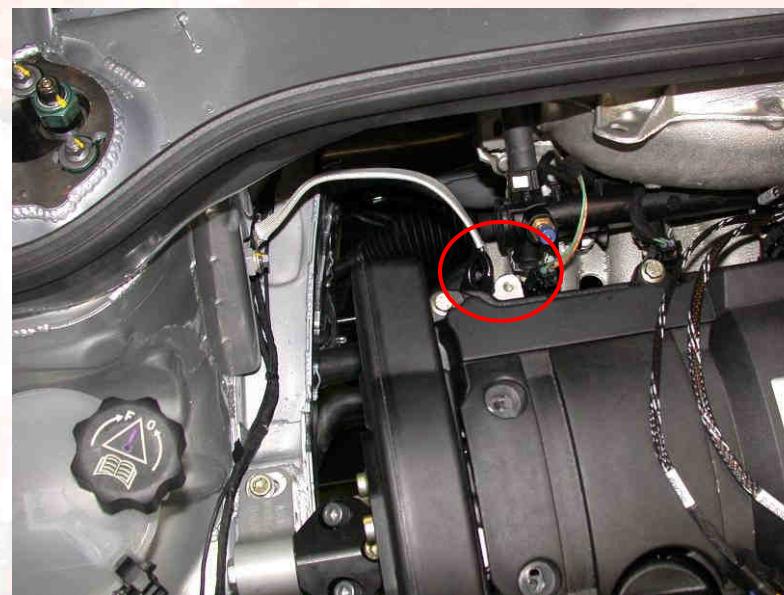




Body to cylinder head ground braid assembly :

The ground braid (*rep. 5*) has to be fitting on the ride side of the body, above the right side member (as shown on the opposite picture).

The other side of the braid has to be connected on the rear side of the cylinder head (as shown on the opposite picture).

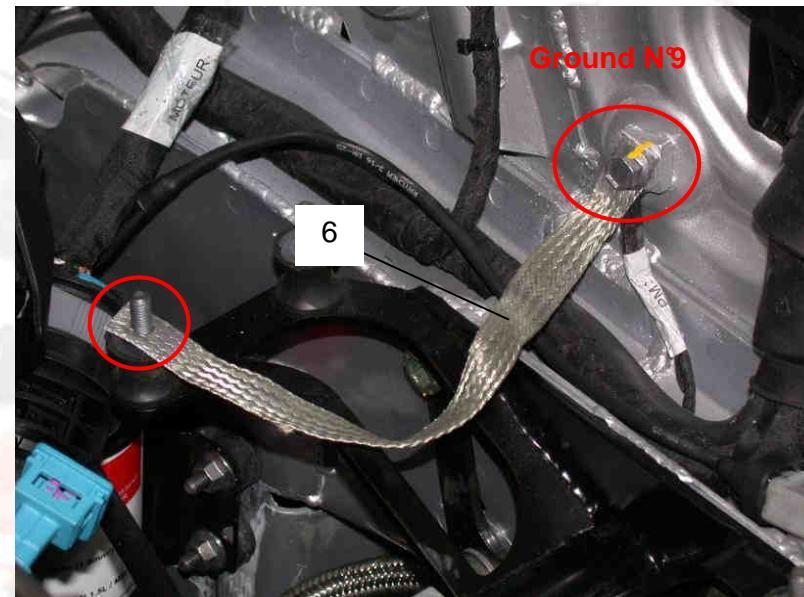




SRA ECU to body ground braid assembly :

The ground braid (rep. 6) has to be connected on the body, above the left side member (as shown on the opposite picture).

The other side of the braid has to be connected on one of the four SRA silent-block (connection between the ECU and a silent-block), as shown on the opposite picture.





Recapitulatory and locations of ground braids :

Ground N°	Location
8	Above the right side member, to the cylinder head, timing side.
9	Above the left side member, to the ECU (by a silent-block)

Electrical grounds, generalities : The good conductability of each ground is very important for the good electrical work of the car. Each ground has to be well prepared, and verified during every rebuilt of the car (good paint cleaning with sandpaper, and conductability test with an ohm meter).