



LEON CUP RACER



2015

UPDATE



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SEAT LEON CUP RACER 2015 UPDATE

Seat Sport has developed an update available for all the Seat Leon Cup Racers delivered until now. (The cars attending Seat Leon Eurocup 2015 and TCR Series championships are nowadays updated, if any doubt, see the checklist below). This update includes the following:

- Optimized engine ECU map.
- Improvement in the Launch Control System release time.
- Pit-Limiter.
- AIM MXG open configuration.

To obtain these upgrades the following is needed:

- Engine ECU mapping update. (Seat Sport)
- Steering wheel firmware update. (Seat Sport)
- AIM MXG firmware + configuration update. (Seat Sport)
- Alternator LIN-Bus wire disconnection. (Client)
- Disconnect the BTS wire. (Client)
- **“T” brake union and brake switch assembly. (Client)**
- Extra wiring for the brake switch (only chassis #1 to #40). (Client)

*All the modifications must be done simultaneously. All of them are interconnected with each other and the car will not run properly if something is missing.

To do all these modifications the following parts must be sent to Seat Sport with the revision request form attached: Engine ECU, steering wheel and AIM MXG dashboard, to the following address:

SEAT Sport, S.A.
Avda. Can Amat, 7
08630 Abrera /Barcelona/Spain



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Once the update of these parts is done they will be sent back including the parts that are needed to do the modifications to be done by the client.

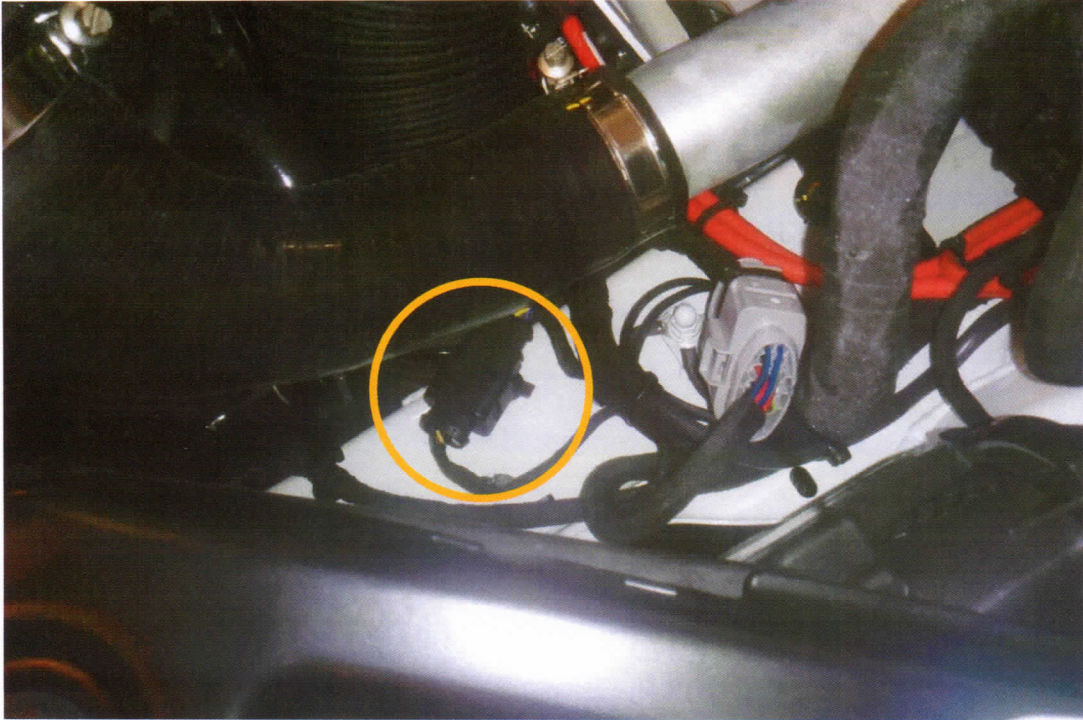
The new parts are the followings:

Reference	Description	Units per car
113945515H	Brake switch	1
VN0005110300	"T" brake union	1

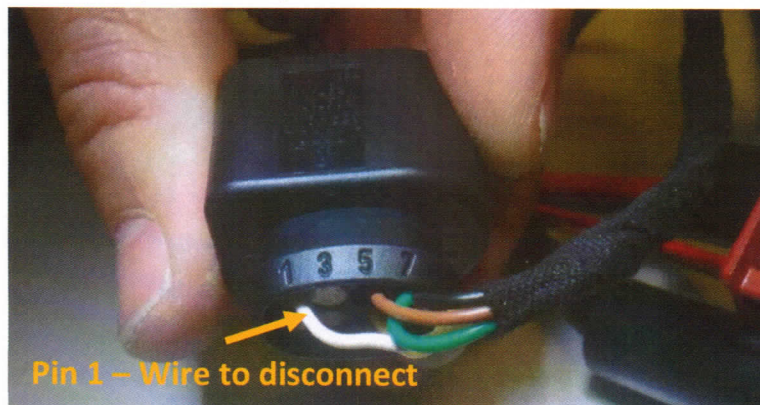
The installation guide below explains how the modifications to be done by the client have to be done.

1.- Alternator LIN-Bus wire disconnection

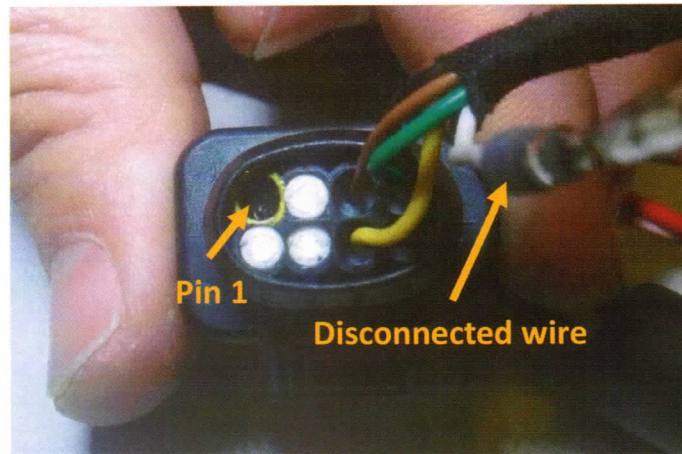
Step 1: Unplug the coupling in yellow. This coupling is placed under the intercooler inlet pipe.



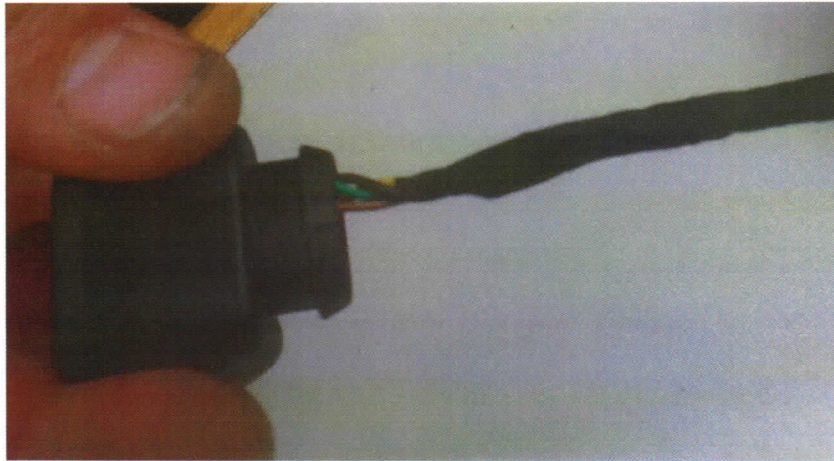
Step 2: Disconnect the wire in the pin 1. It is possible to cut this wire under your own responsibility.



Disconnected wire.



Step 3: Tape the disconnected wire and connect the coupling again.



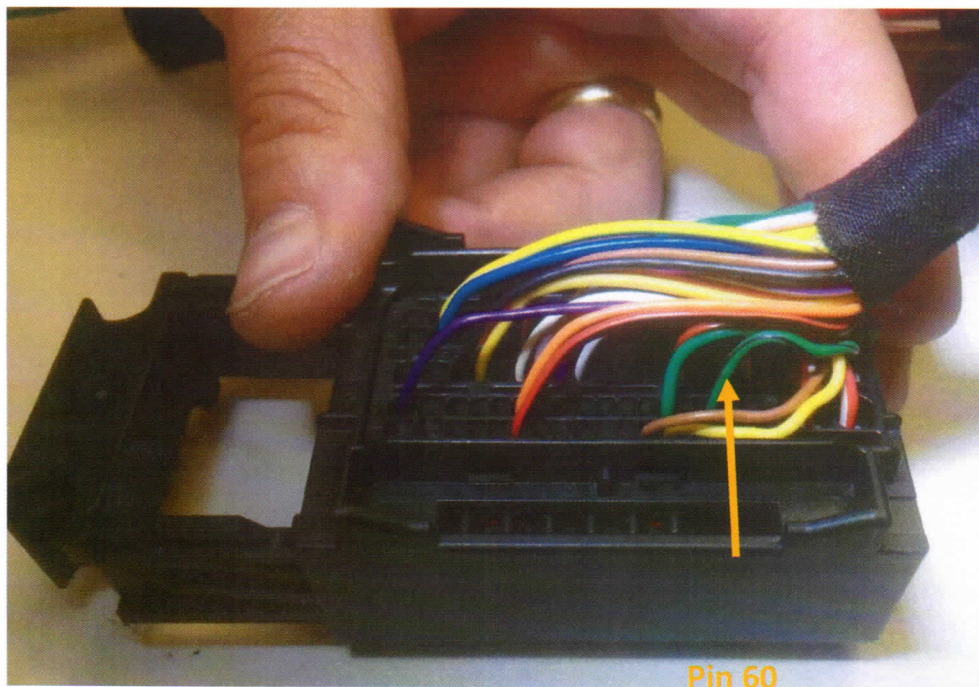
*NOTE: The Seat Leon Cup Racers whose chassis number is #78 or above, do not need this update because it has been made in factory. Furthermore, the racing cars that have met the Seat Sport team in any 2015 preseason test or racing event may have been also updated. If your car does not have any wire in the pin 1 of this coupling, no extra work is needed.

2.- Disconnect the BTS wire

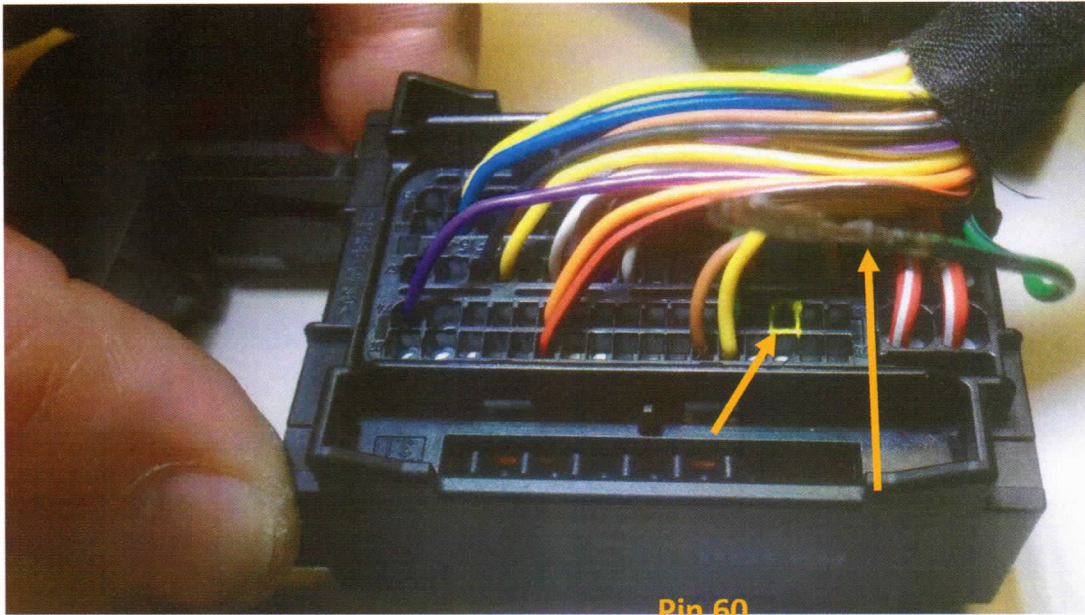
Step 1: Unplug the lower connector from the engine ECU.



Step 2: Open the connector.

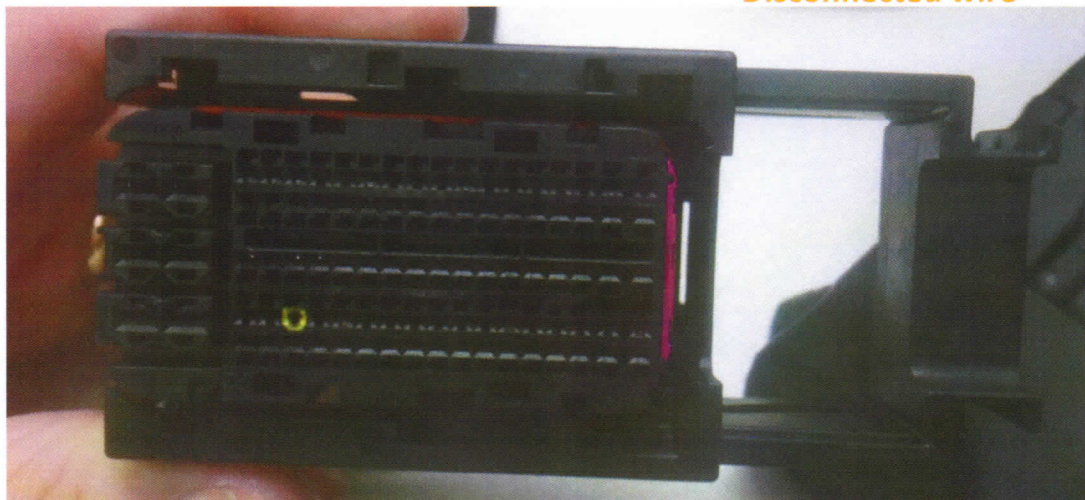


Step 3: Disconnect the wire in the pin 60 (in yellow). **Wire to disconnect** It is possible to cut this wire under your own responsibility.



Pin 60 bottom view.

Disconnected wire

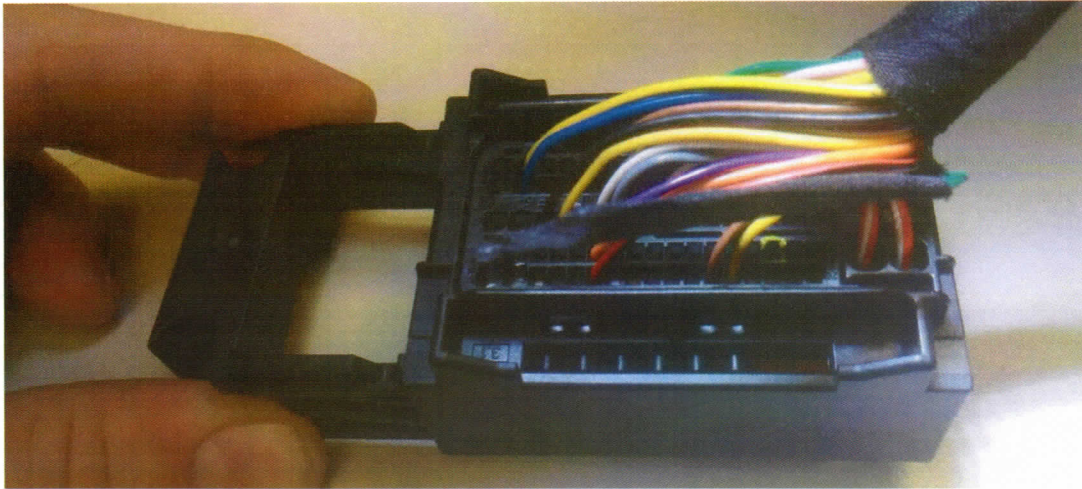




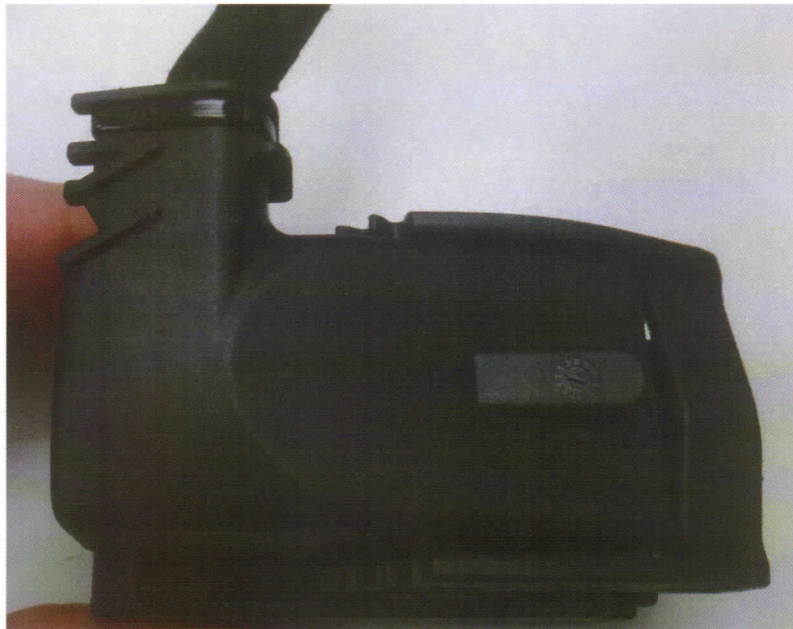
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Step 4: Tape the disconnected wire.

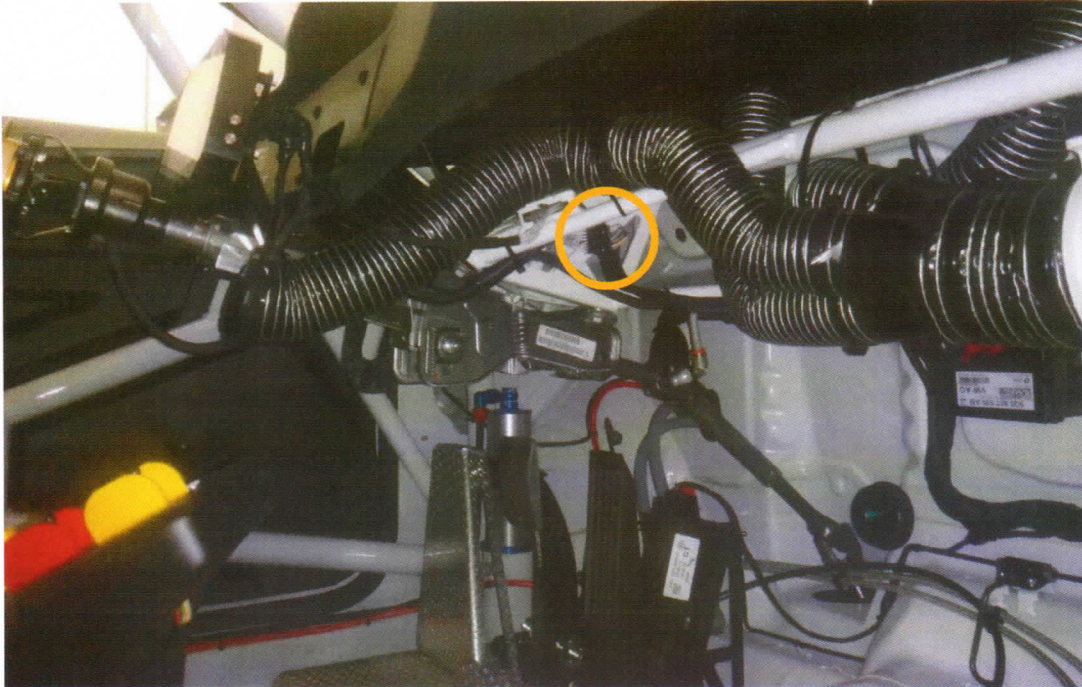


Step 5: Close the connector, do not forget the cable tie.

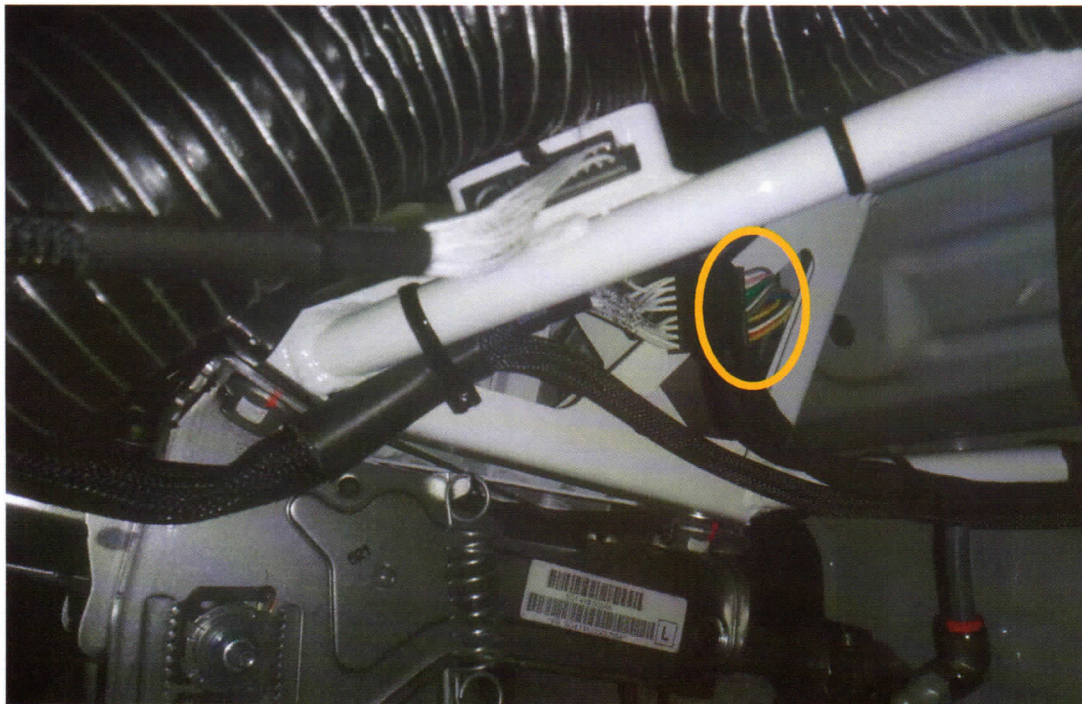


Step 6: Disconnect the coupling of the dashboard wiring loom.

Location of the coupling.



Detailed view.

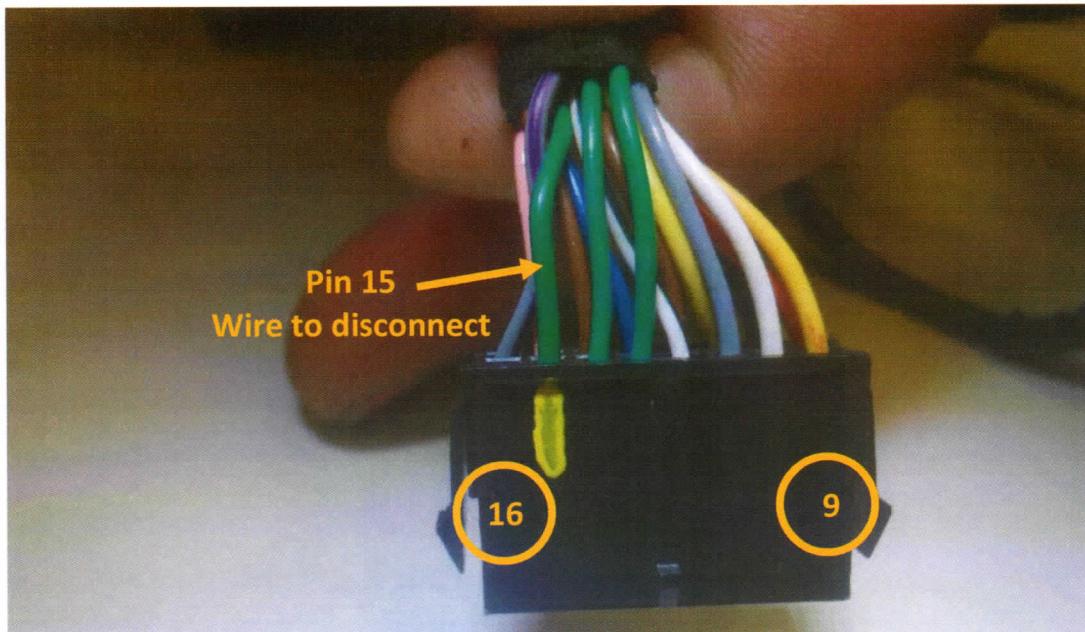




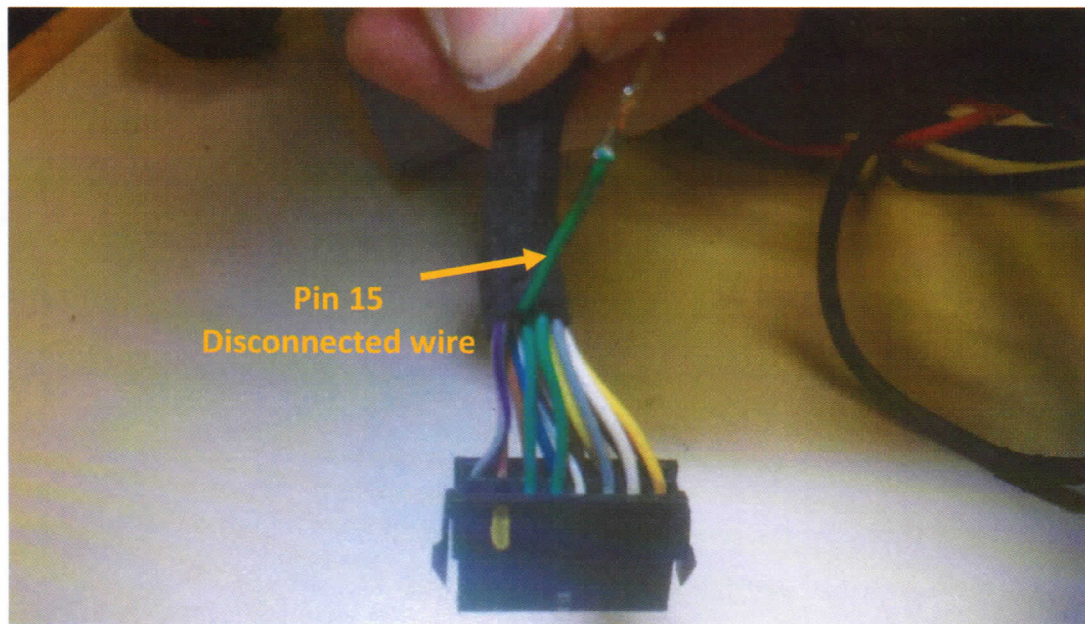
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Step 7: Disconnect the wire in the Pin 15 (in yellow). It is possible to cut this wire under your own responsibility.



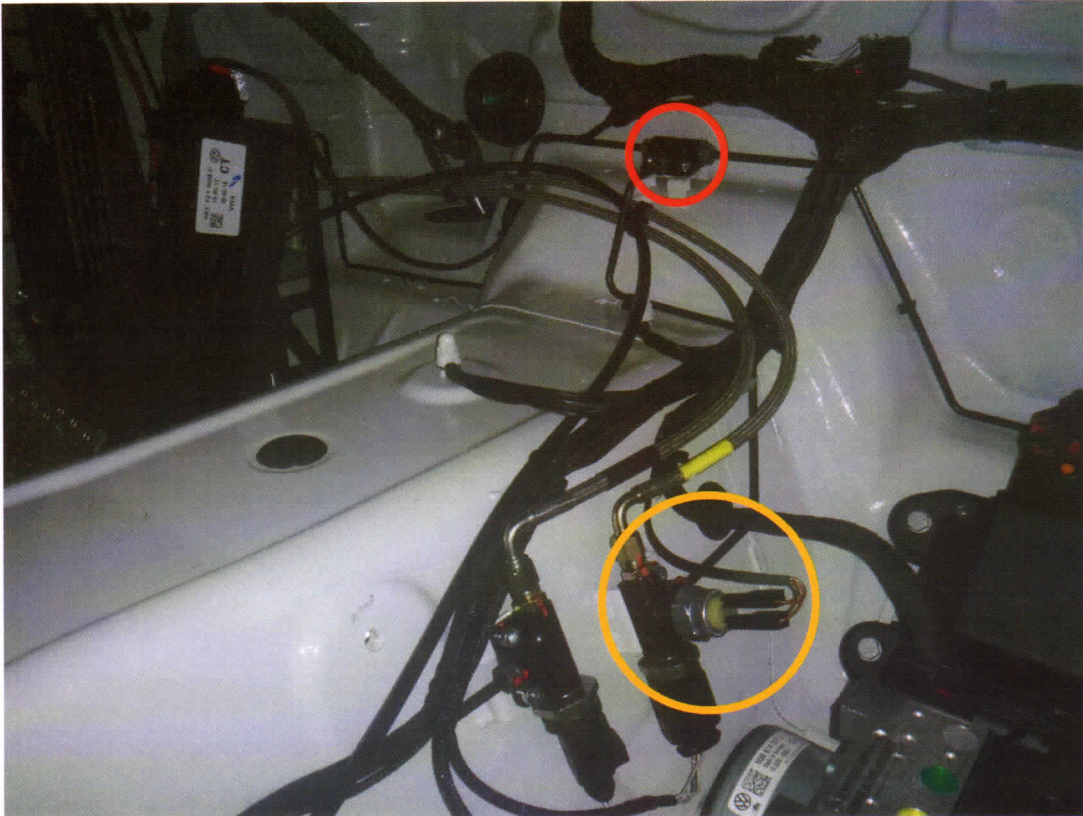
Disconnected wire.



Step 8: Tape the disconnected wire and connect the coupling again.

3.- "T" brake union and brake switch assembly

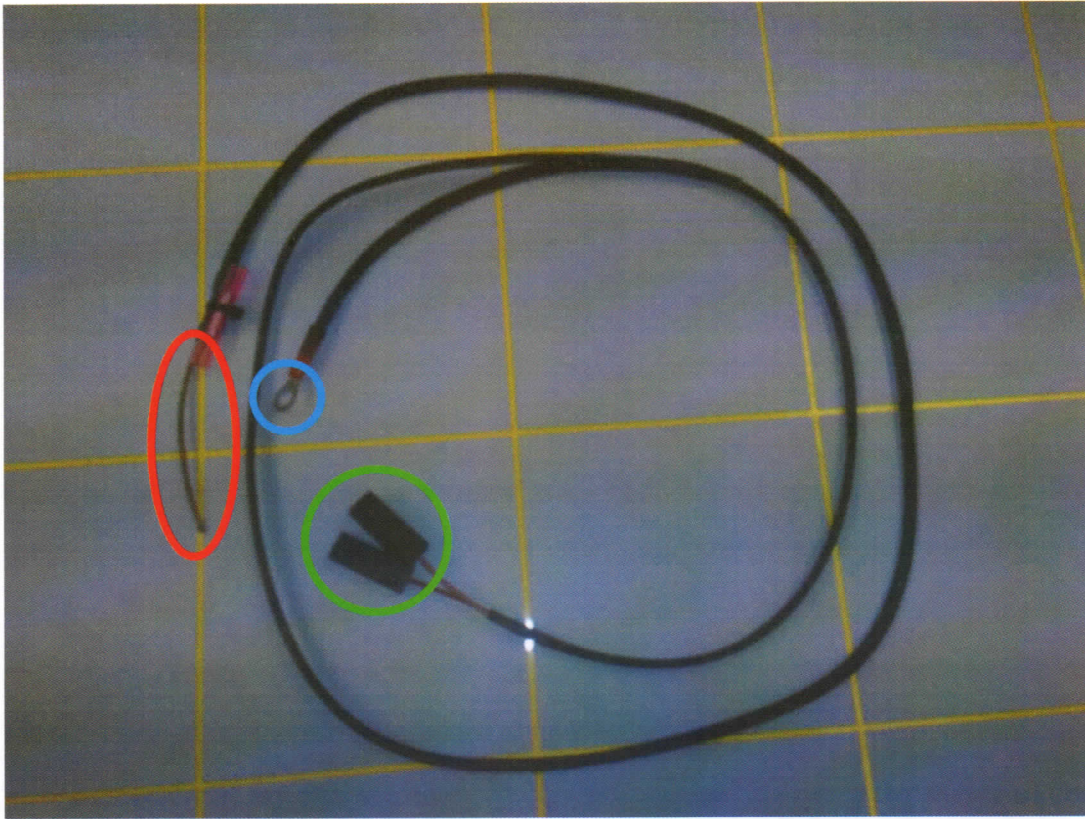
Step 9: Install the brake switch and the “T” brake union.



Both new parts have to be installed as shown in the yellow circle of the picture above. Even installing them in the area in yellow is acceptable, it is advisable to do it in the area in red. If the location in yellow is chosen, it is necessary to extend the wiring from the main loom.

4.- Extra wiring for the brake switch (only chassis #1 to #40)

Step 10: To install these new parts in a car with a chassis number between 1 and 40 it is necessary to build a wiring as shown in the next picture.



The **couple of fastons** have to be connected to the new brake switch. The **free wire** in the picture above has to be connected to the wire disconnected from the pin 15 of the dashboard coupling (see pictures in the Step 7). The **GND** to any of the two locations available in the tunnel near to the brake switch (see the picture in the Step 9).