



To All Lamborghini Dealers and Licensed Service Point
From Customer Service Department
Subject Clutch pedal switch – Canadian Market
Group 714.7.21
Date 09.05.2008
Pages 20

Subject

Clutch pedal switch – Canadian Market.

Model / VIN-Range

Gallardo Coupè and Spyder VIN:

Automobili
Lamborghini S.p.A.

| | |
|-------------------|-------------------|
| ZHWGC12N96LA02738 | ZHWGC22N97LA04240 |
| ZHWGC12N86LA02858 | ZHWGC22N47LA04274 |
| ZHWGC12NX6LA02859 | ZHWGC22N57LA04414 |
| ZHWGC12N16LA02930 | ZHWGC12N37LA04759 |
| ZHWGC12N86LA02987 | ZHWGC22N07LA04787 |
| ZHWGC12N16LA03141 | ZHWGC22N07LA04983 |
| ZHWGC12N96LA03324 | ZHWGC12N87LA05017 |
| ZHWGC12N46LA03392 | ZHWGC22N27LA05133 |
| ZHWGC22N66LA03688 | ZHWGC12N17LA05179 |
| ZHWGC12N36LA03691 | ZHWGC22N37LA05206 |
| ZHWGC22N96LA03751 | ZHWGC22N97LA05355 |
| ZHWGC22N36LA03955 | ZHWGC12N47LA05371 |
| ZHWGC22N06LA04030 | ZHWGC12N17LA05389 |
| ZHWGC22N56LA04072 | ZHWGC22N67LA05393 |
| ZHWGC22N96LA04138 | ZHWGC22N87LA05590 |
| ZHWGC12N27LA04235 | ZHWGC22N68LA05766 |



Information to the field / Customer notification

All the VIN listed above must be updated. The clutch pedal switch was not installed on the above mentioned vehicles. The engine could therefore be started without the clutch pedal being depressed.

Field solution

Follow the workshop instructions in this document for the installation of the clutch pedal switch.

Spare Parts

One complete kit is necessary per vehicle, part number: 0R1400211 which is available through our on spare parts department. Each kit contains the following:

| ITEMS TYPE | NOTE | PART NUMBER | QUANTITY |
|---------------|------|-------------|----------|
| CLUTCH SWITCH | - | 1J0927189F | 1 |
| PEDAL AREA | - | 401721140N | 1 |
| GFA ECU | - | 400959433BE | 1 |
| NEW WIRING | - | 400971154 | 1 |
| RELAY | - | 400998551 | 1 |

Warranty Claim data

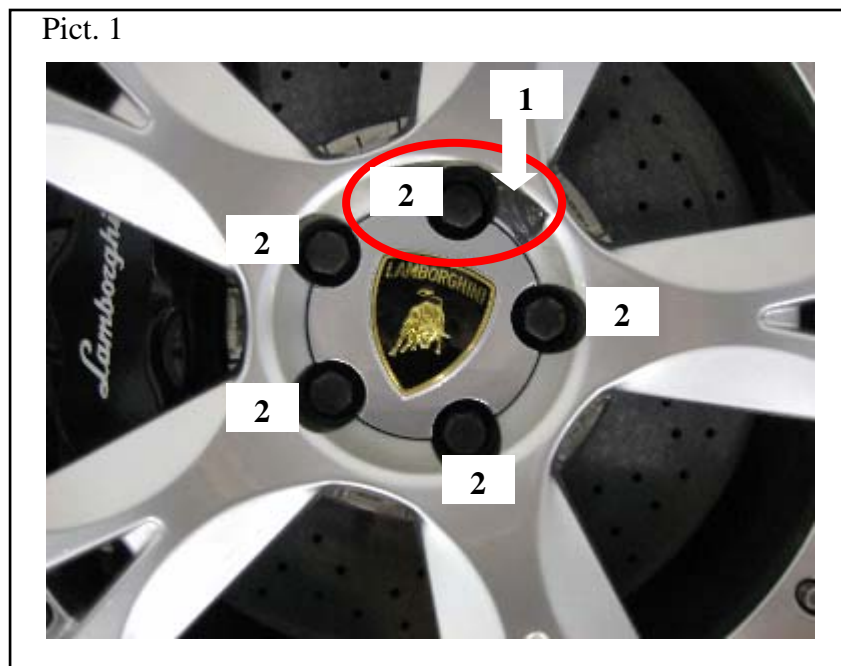
The warranty reimbursement request for this rework action will be managed by the following standard Warranty Claim procedure.

Campaign Code: L714-R.01.08 (Coupè) / L715-R.01.08 (Spyder)
Campaign Description: Clutch pedal switch – Canadian Market
Cost Code: 50
Component Code: CCR0108
Trouble Code: 220
Labour Code: CCR0108100
Labour Time: 10 h



Workshop instructions

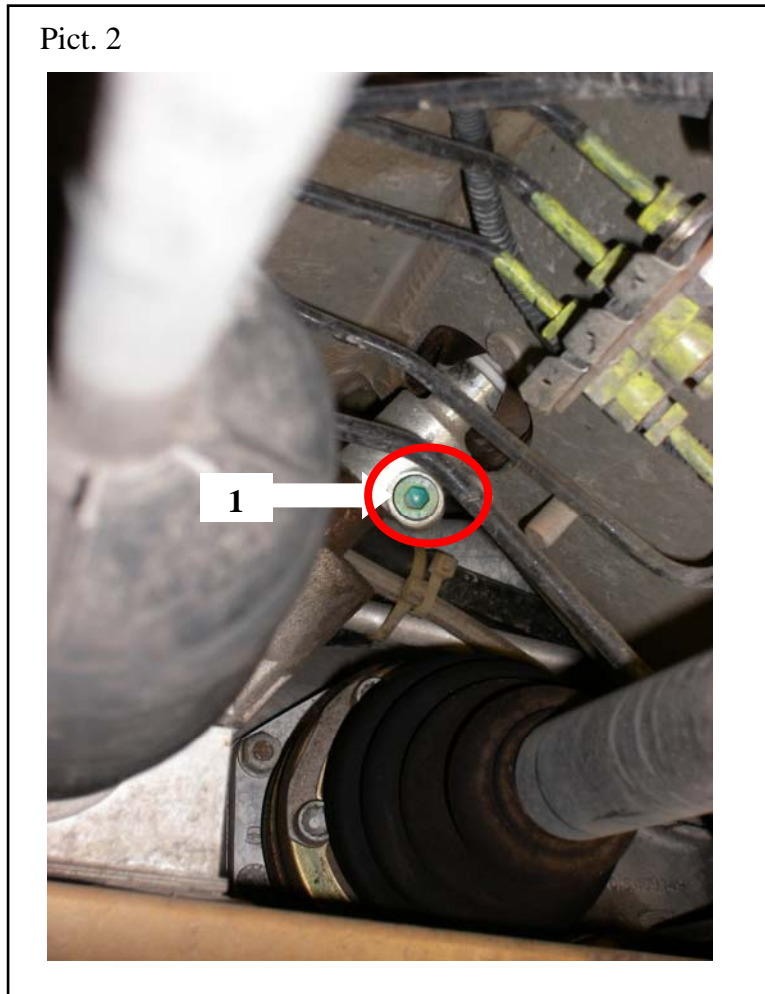
- 1.1 Adopt all precautions to work safely and prevent damages to the vehicle.
- 1.2 Remove the front luggage compartment liner (see also workshop manual instructions 08 68 03) and disconnect the battery (see also workshop manual instructions 09 15 03).
- 1.3 Remove the front left wheel: apply a piece of scotch tape (1-Fig.1) for each bolt in order to preserve the rim during the unscrewing process. Remove all the bolts (2-Fig.1) and the rim.



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1.4 Unscrew and remove the bolt (1-Fig.2) of the steering column coupler.

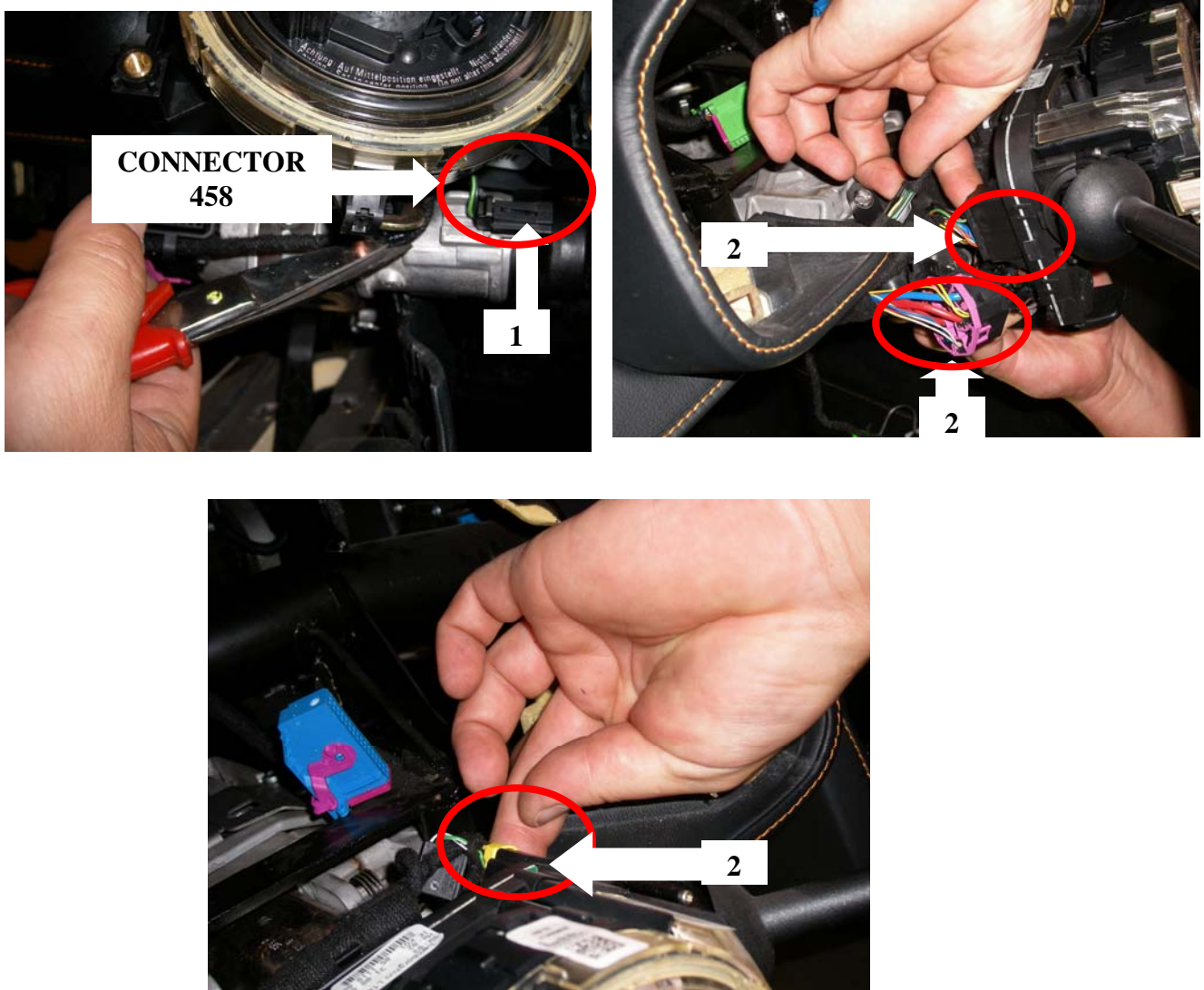
Pict. 2





1.5 Place a cover on the driver floor mat in order to avoid any damages due to oil leakage. Remove the airbag module (see also workshop manual instructions 08 80 03), the steering wheel and the plastic cover (4 parts) on the steering wheel (see also workshop manual instructions 08 75 03). Disconnect the transponder wiring (connector number 458) (1-Fig.3) and the three connectors (2-Fig.3) on the steering wheel (see also workshop manual instructions 08 75 03).

Pict. 3



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- 1.6** Remove the Kombi, the side flap on the dashboard (see also workshop manual instructions 08 68 03) and the screw (1-Fig.4).

Pict. 4

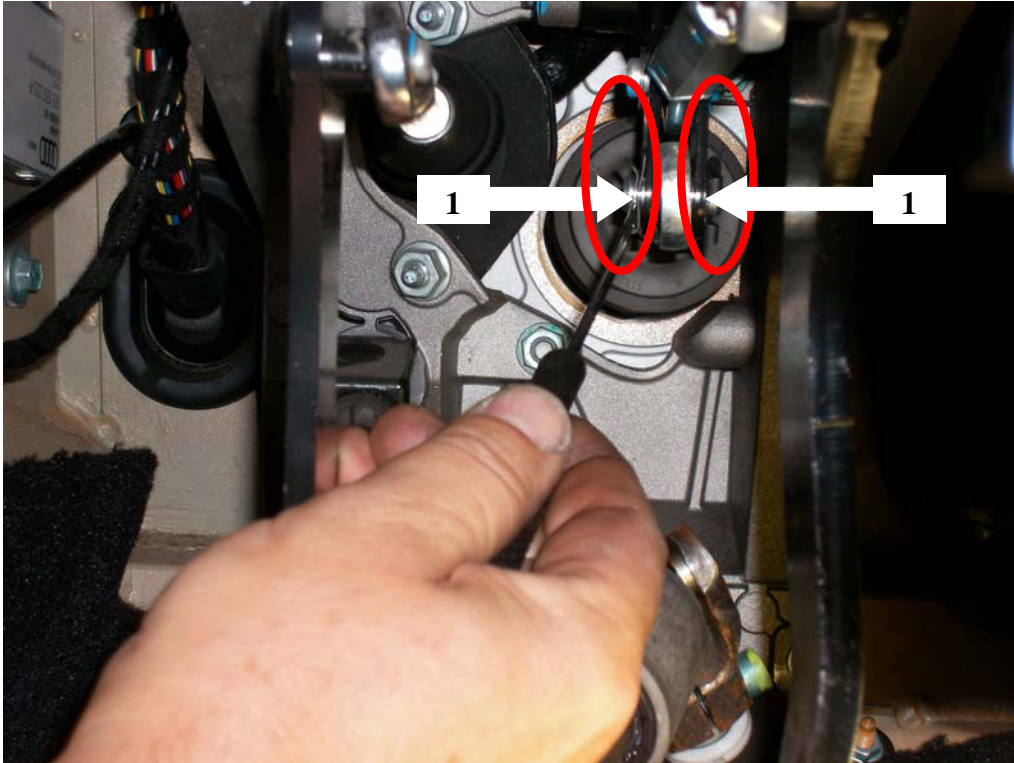


- 1.7** Remove the front luggage opening handle (see also workshop manual instruction 08 68 03) of the front luggage compartment.
- 1.8** Remove the four screws on the lower dashboard and remove it (see also workshop manual instructions 08 68 03).
- 1.9** Remove the four bolts on the steering column and pull out the steering column shaft (see also workshop manual instructions 04 19 03).



1.10 Remove the two pins (1-Fig.5) on the power brake pedal.

Pict. 5



1.11 Disconnect the brake pedal switch (1-Fig.6).

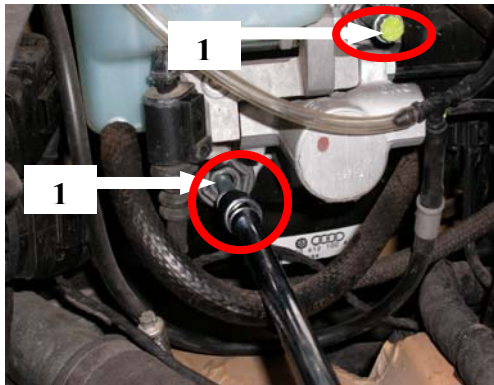
Pict. 6



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1.12 Remove the two screws (1-Fig.7) on the oil brake tank and empty it (2-Fig.7).

Pict.7

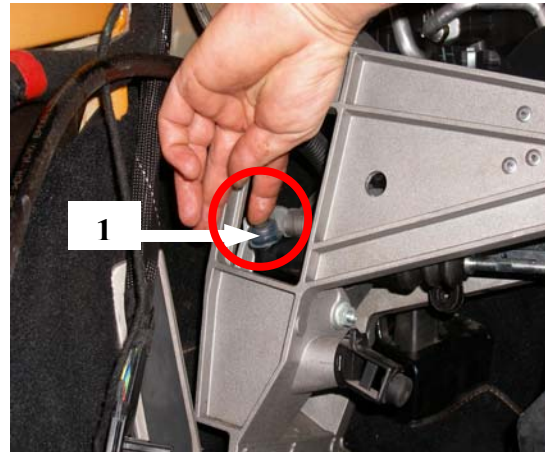


1.13 Remove the four screws on the pedals support (see also workshop manual instructions 08 02 03) and disconnect the oil line (1-Fig.8). To avoid leakage during the disassembling of the pedals support put a cap (1-Fig.9) on the clutch oil line.

Pict. 8



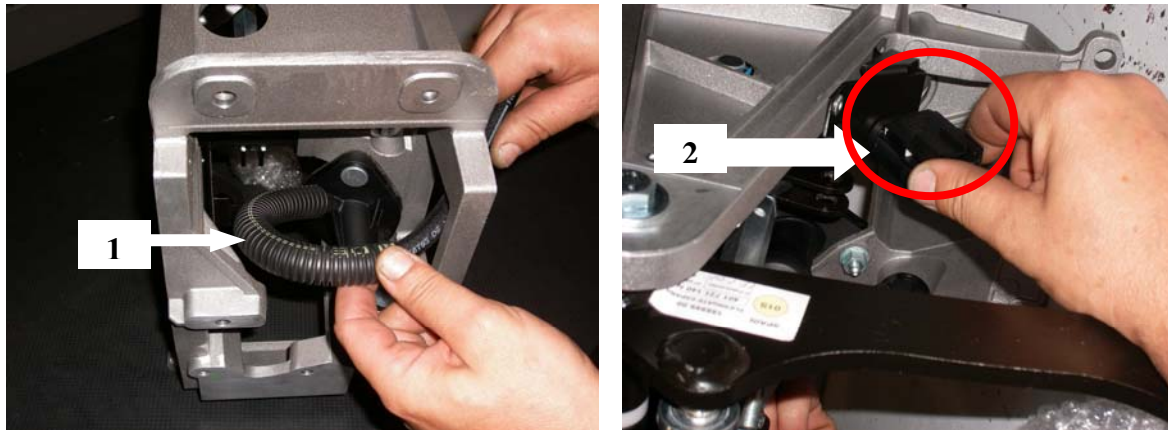
Pict. 9





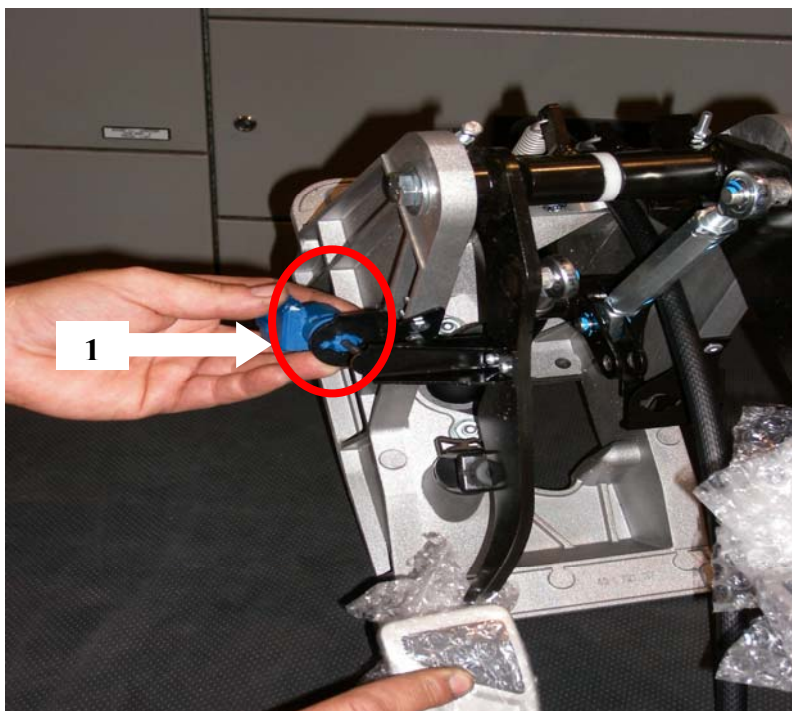
1.14 Remove the covering (1-Fig.10) on the pipe and the brake switch (2-Fig.10) on the old pedal support. Assemble these components in the same position on the new pedals support (p/n 401721140N).

Pict. 10



1.15 Install the clutch switch (1-Fig.11) (p/n 1J0927189F):
- to adjust the switch finger at the right distance, depress the clutch pedal completely. The switch will self adjust to the proper position;
- rotate the switch to lock it in the support.

Pict. 11



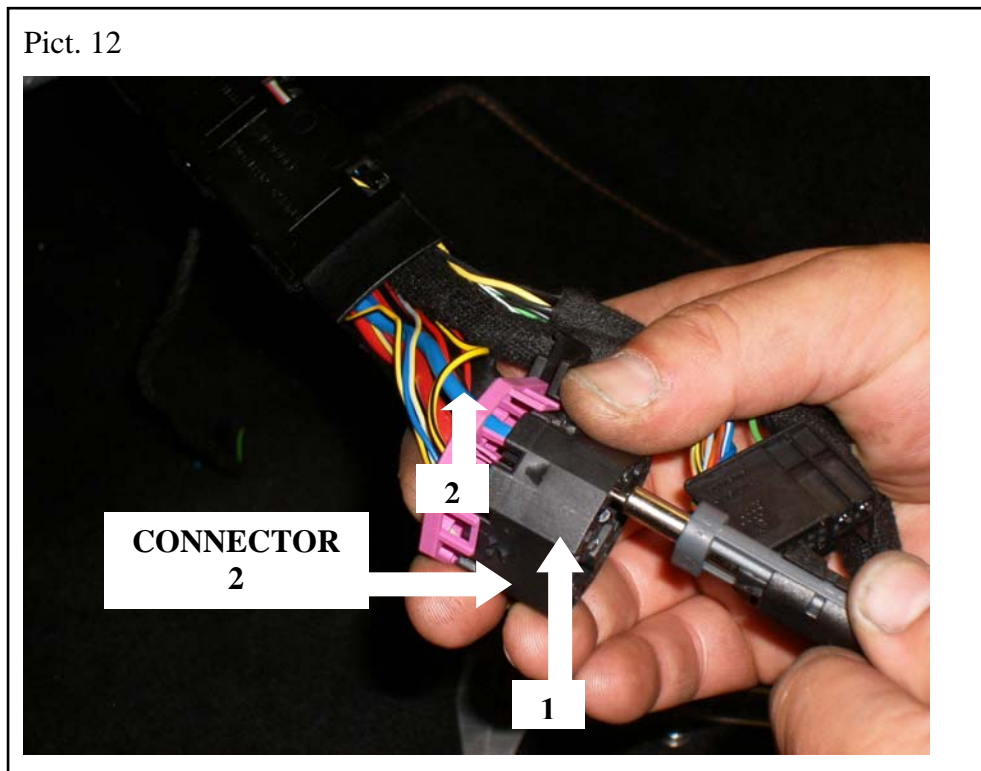
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- 1.16** Reassemble the new pedal support in the car (see also workshop manual instructions 08 02 05), connect the oil pipe on the clutch pedal and fix the bracket with the four bolts (see also workshop manual instructions 08 02 05) (tightening torque 25Nm). Reattach the brake pedal arm with the two pins, as shown before in picture 5.

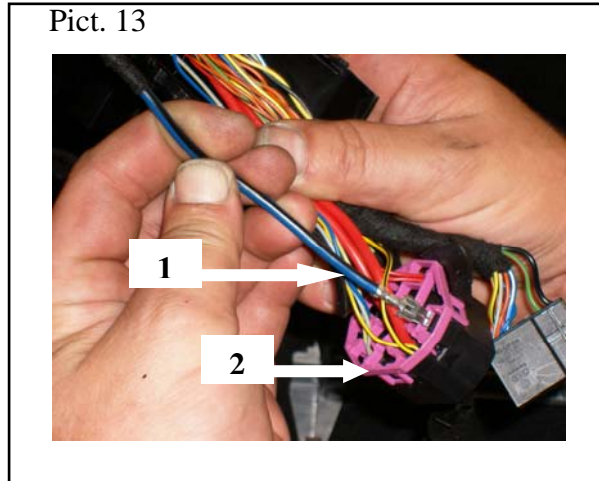
- 1.17** Reassemble the two screws on the oil brake master cylinder reservoir the front compartment (tightening torque 24Nm) as show in picture 6 and reconnect the pipe of the clutch pedal, as shown in picture 7.

- 1.18** Open the cover on the steering wheel wiring removing the electrical scotch tape. Unplug the violet/black connector number 2 (1-Fig.12) and remove the blue wire from position 1 (2-Fig.12).

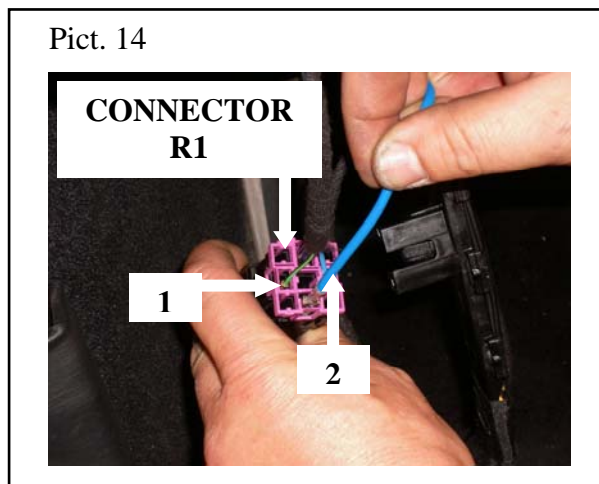




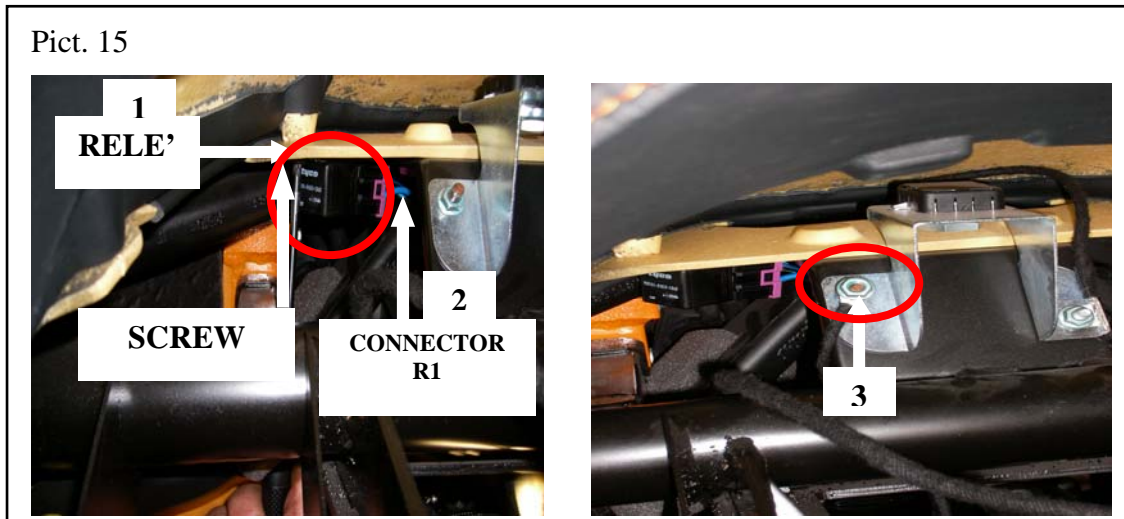
1.19 Put the blue/black wire (1-Fig.13) of the new wiring (p/n 400971154) in the violet/black connector number 2 (2-Fig.13) in the position 1.



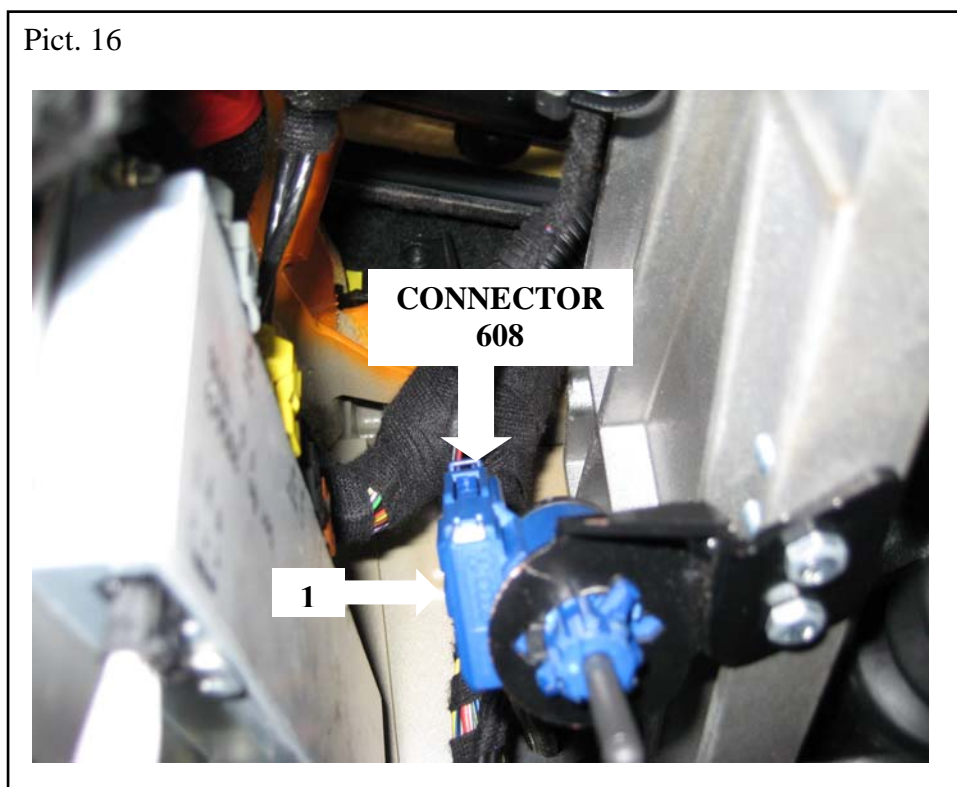
1.20 Position the new cable into the cover keeping out the blue wire. Finally put the blue wire (1-Fig.14) into the new violet/black colour connector number R1 (2-Fig.14) in position 8. For more details see the electrical scheme on page 19.



1.21 Assemble the relay (1-Fig.15) in the connector number R1 (2-Fig.15); after assemble the relay on the dashboard bracket using one the screw (3-Fig.15) already present.



1.22 Connect the blue connector number 608 (1-Fig.16) of the new wiring on the new clutch switch.

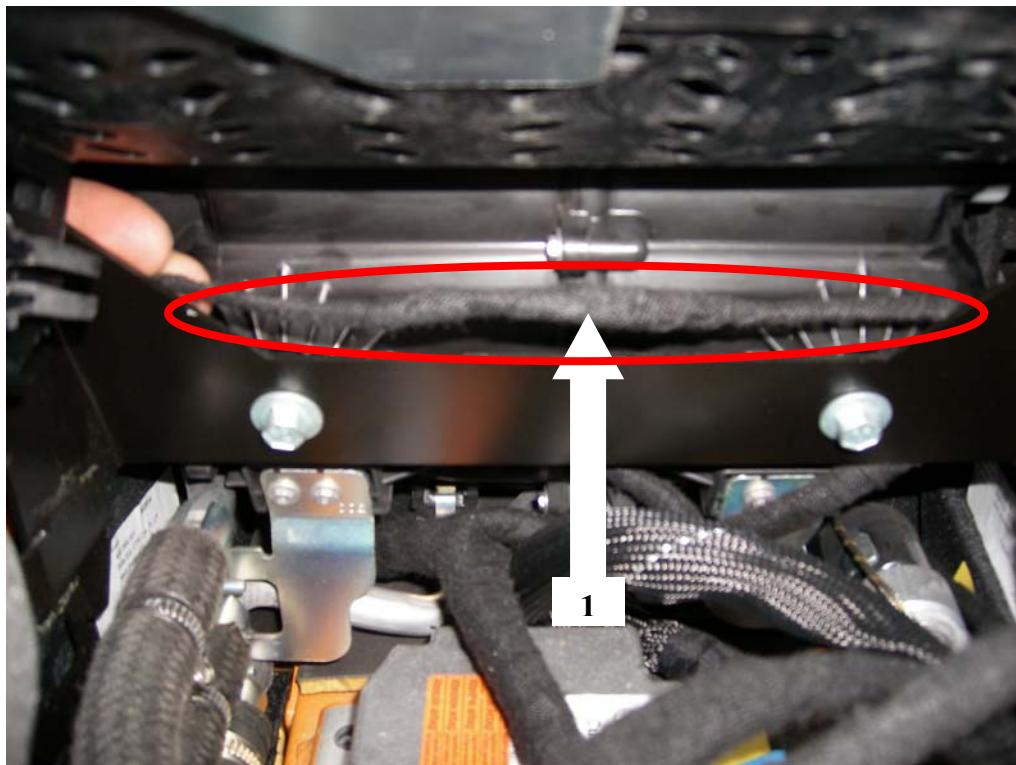




1.23 Disassemble the RSN-E module and remove all the connectors (see also workshop manual instructions 09 75 03).

1.24 Position the new black wiring (1-Fig.17) with two wires; the blue/red wire and the green/black wire must pass behind the RSN-E module.

Pict. 17

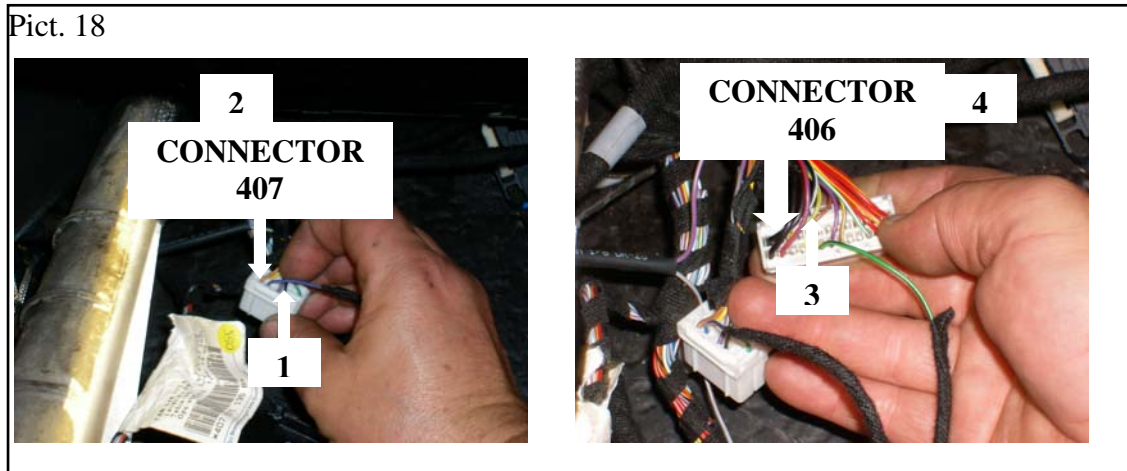


1.25 Remove the carpet on the passenger's side, unhook the three clips of the footrest and remove the Bluetooth ECU and the bracket (if present) (see also workshop manual instructions 79 75 05).

1.26 Disassemble the GFA ECU (see also workshop manual instructions 09 81 03).

- 1.27** Introduce the blue/red wire (1-Fig.18) into the connector number 407 (2-Fig.18) of GFA (16 pin) in the position 4 while the green/black wire (3-Fig.18) into the connector number 406 (4-Fig.18) of GFA (26 pin) in the position 22.

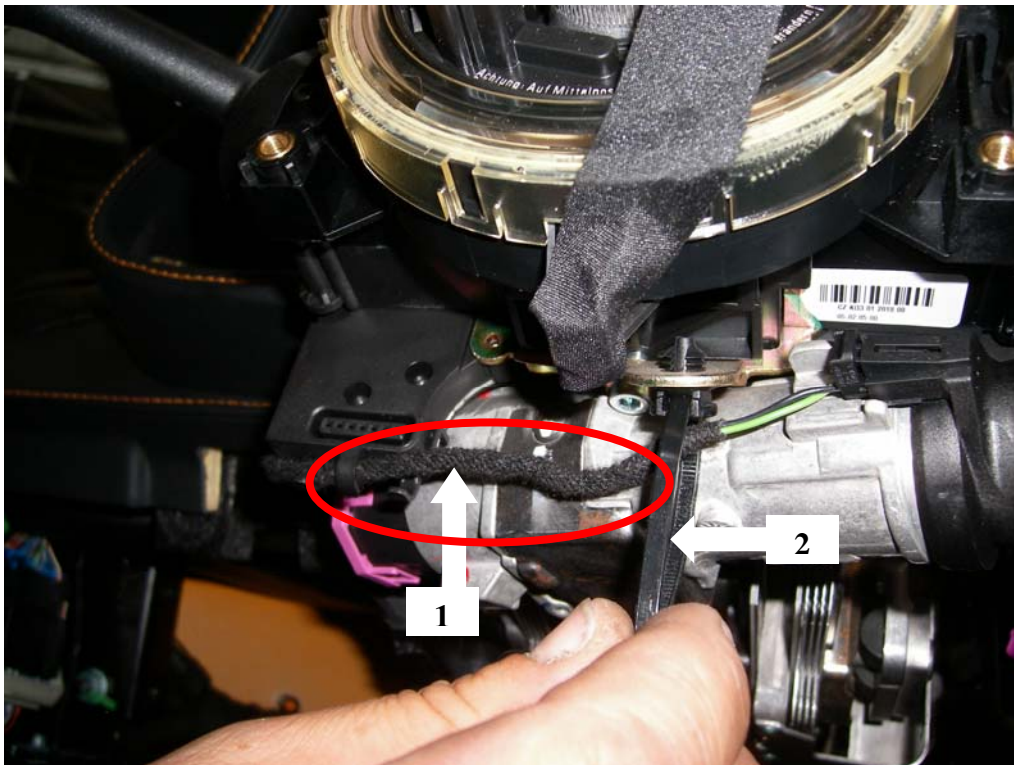
Pict. 18



- 1.28** Assemble the four connectors in the new GFA (p/n 400959433BE) (see also workshop manual instruction 09 81 05). Reassemble the Bluetooth ECU (if present) (see also workshop manual instructions 79 75 05). At the end reassemble the footrest and the carpet on the passenger side.
- 1.29** Reassemble the steering column shaft and coupling into the steering rack assembly (see also workshop manual instructions 04 19 05).

- 1.30** Reassemble the steering column shaft and install it with the four screws (see also workshop manual instruction 04 19 05). Connect the four electrical connectors at the steering wheel (see also workshop manual instructions 04 19 05) and fix the transponder cable (1-Fig.19) using a clamp (2-Fig.19).

Pict. 19

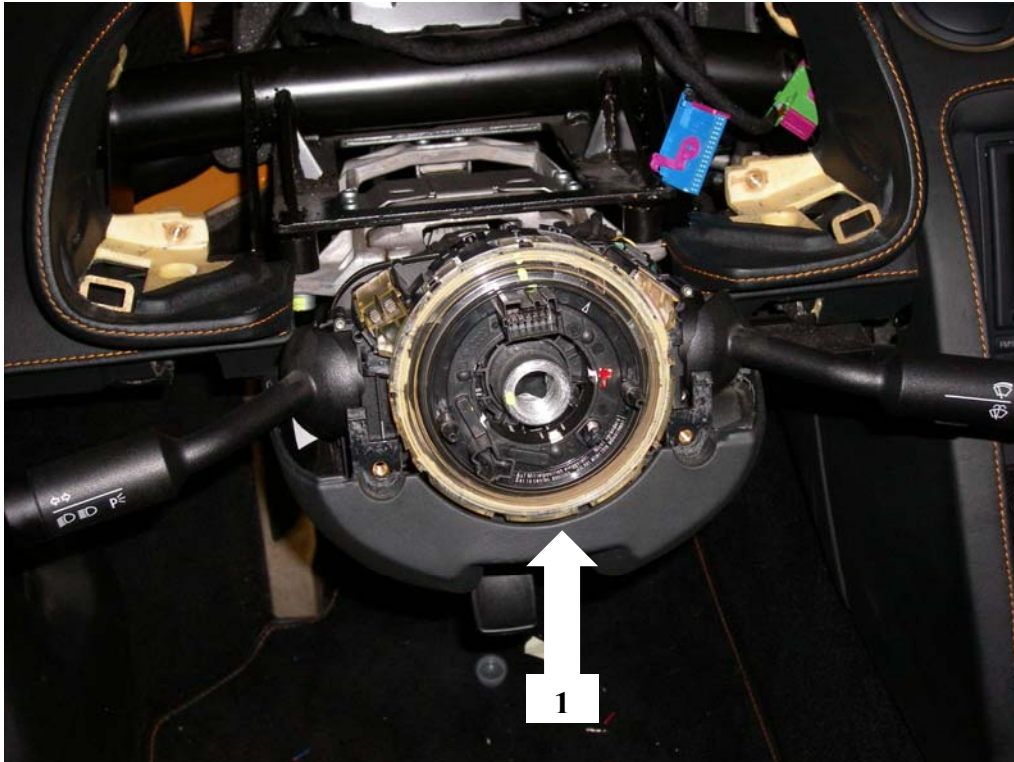


- 1.31** Reassemble the RNS-E with all connectors (see also workshop manual instructions 09 75 05).



- 1.32** Reassemble the covers (1-Fig.20) on the steering wheel. Reassemble the lower dashboard and the opening handle of the front compartment (see also workshop manual instructions 08 63 05).

Pict. 20



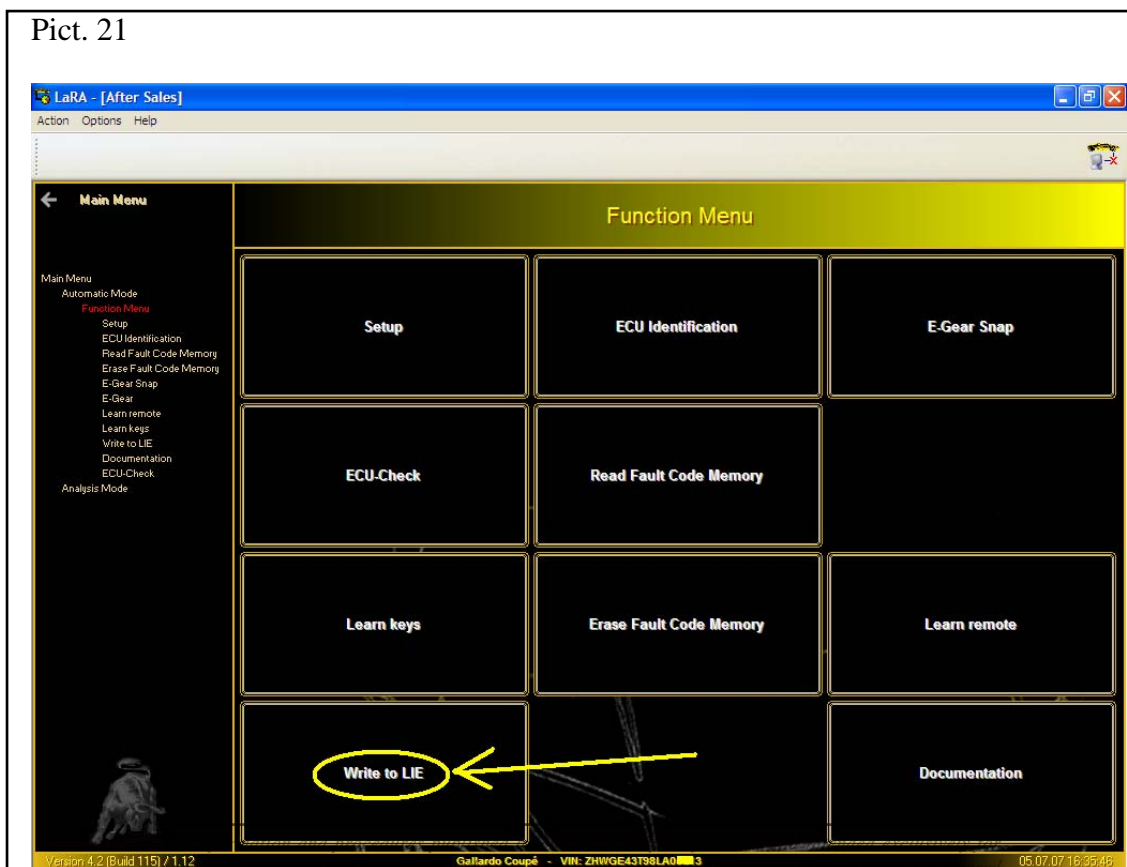
- 1.33** Reassemble the Kombi and the covers on the Kombi (see also workshop manual instructions 08 68 05).
- 1.34** Reassemble the remaining covers and the steering wheel; install the steering wheel (see also workshop manual instructions 08 75 05) (tightening torque 50Nm).
- 1.35** Reassemble the airbag module (see also workshop manual instructions 08 80 05) (tightening torque 7Nm).
- 1.36** Install the bolt on the steering column shaft (tightening torque 27Nm), as shown in picture 2.

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- 1.37 Reconnect the battery (see also workshop manual instructions 09 15 05).
- 1.38 Refill the brake master cylinder reservoir with the recommended brake fluid (see also workshop manual instructions 00 30 00) and make the bleeding of the clutch.
- 1.39 Reassemble the front left wheel (tightening torque 140Nm).
- 1.40 Reassemble the front hood compartment (see also workshop manual instructions 08 68 05).
- 1.41 Execute an engine management data acquisition using LDAS in order to know the SW written on the engine management.
- 1.42 Start LaRA Automatic mode and launch the “documentation” function on the car, then download the zip file using Download manager.
- 1.43 Use the “Write to LIE” function in LaRA Automatic mode after downloading the zip file, as shown in picture 21.

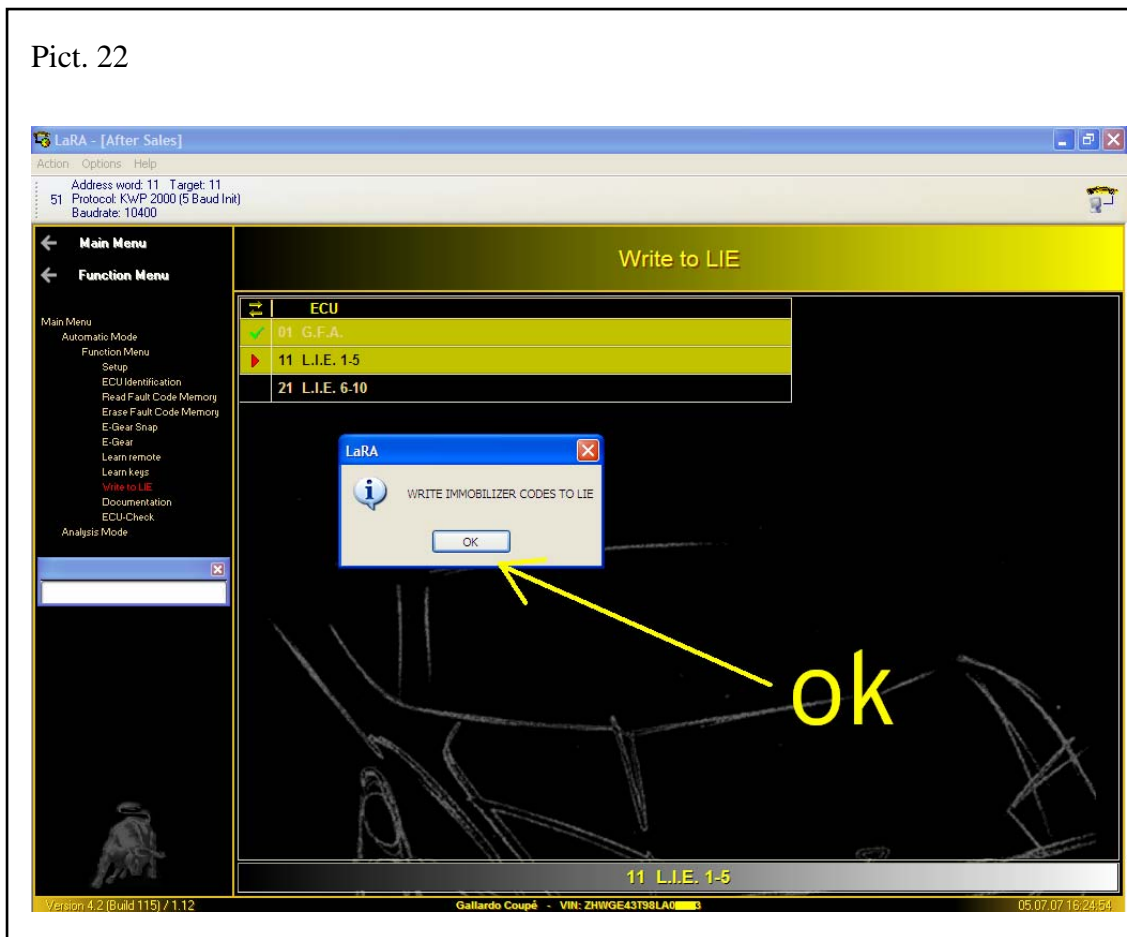
Pict. 21





1.44 The reading procedure from the GFA starts automatically, you have only to click OK and write the immobilizer code on the LIEs and the VIN on the GFA, as shown in picture 22.

Pict. 22



1.45 In order to obtain the last software release on the car, start the engine management reflash procedure for the LIEs and GFA:

- a) Select Setup from the main menu in automatic mode;
- b) Select the two LIEs and the GFA;
- c) Connect the CAN cable interface;
- d) Start ECU check + and click on OK;
- e) LDAS will start automatically and will reflash both LIEs and the GFA;
- f) When the reflash is finished please erase all the errors on the ECUs.



1.46 Start the engine and warm it up (it is necessary that water and oil temperature are over 90°).

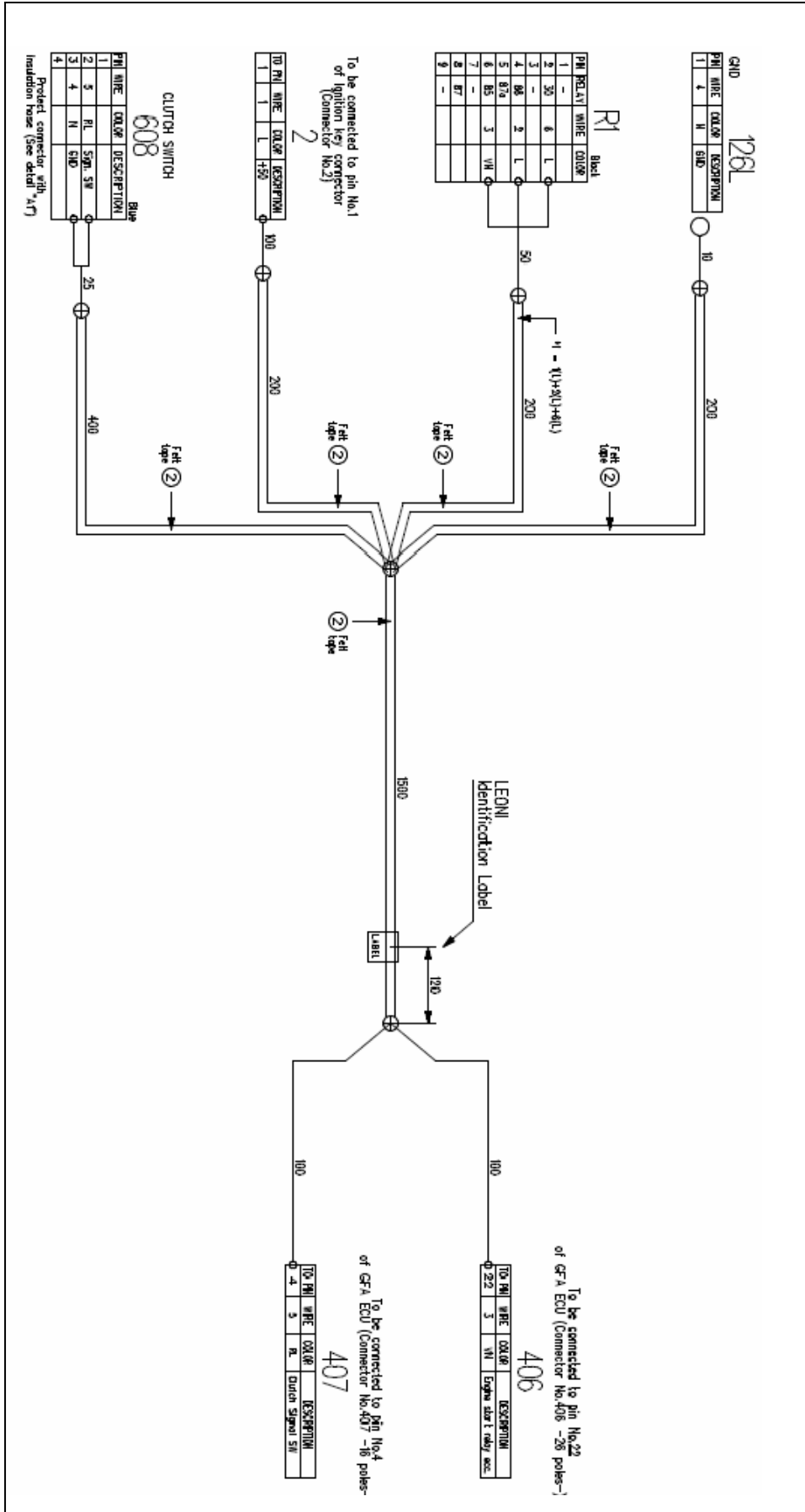
1.47 Keep the engine on at idle for 1 minute to start and complete the throttle body self learning procedure.

1.48 Check that the engine can only be started with the clutch pedal depressed.

Your Area Manager is at full disposal for further information.

Best regards

Customer Service



Attachment : Electrical scheme of new wiring p/n 400971154.
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