DIY for replacing trunk lid and/or retrofitting electrical operation of trunk lid. This document is meant to be a support and give advice on the procedure but I will take no responsibility for any damage to people or property as a result of following this document.

Tools:

- Ratchet kit, at least 8-14mm sockets and basic set of torx bits
- Philips screwdriver
- Small flat screwdriver
- Torch or other light
- Power drill

For electric operation retrofit you also need:

- Crimping tool
- Ring cable lugs
- Tube connector or similar, for joining 2 cables
- Hockey tape or similar for insulation
- Fuse holder
- A few metre cable. 1,5 or 2,5mm2
- Masking tape

Parts for elactric operation:

- Drive unit 4E0 827 852G
- Contact for drive unit 1J0 973 726 (also order 2x 2,5mm2 cables for this one)
- Lid button 3D0 959 831D
- Button frame 4E0 867 559A
- Contact for button 8E0 972 754 (also order 2x 0,75mm2 cables for this one)
- Cable to the comfort module 000979009EA
- Grease
- Possibly new lid struts, but try the old ones first. Same partno but ends with C.

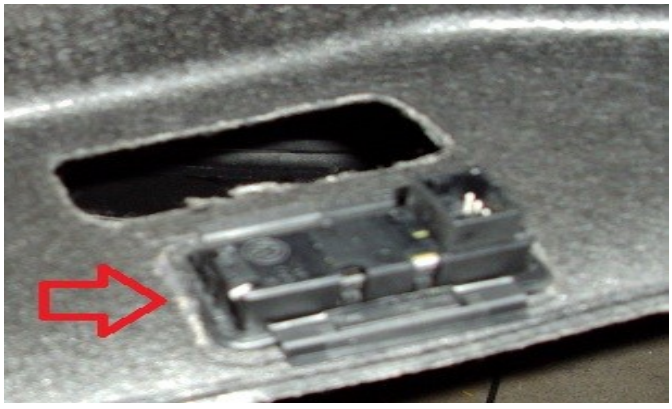
Time needed: ~3h for lid replacement only. Add 1h for operation harness in lid and ~2h more for installing drive unit and cable harness in trunk .

1. Open trunk, open tool kit. Use tiny screwdriver to remove 4 covers for screws. Remove screws and tool kit.

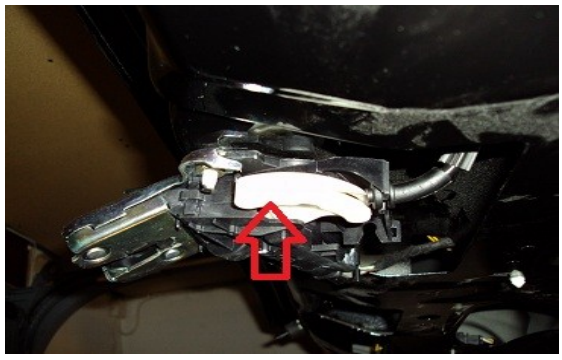
2. Open covers in the trunk handles. Remove 2 philips screws/handle and remove handles. Pop out and unplug the lid light.

3. Grab the plastic cover over latch and pull it off. Now the trunk liner only sits with clips so pull carefully around the liner and it will pop out so you can remove the whole thing. (Picture taken after I assembled everything again)

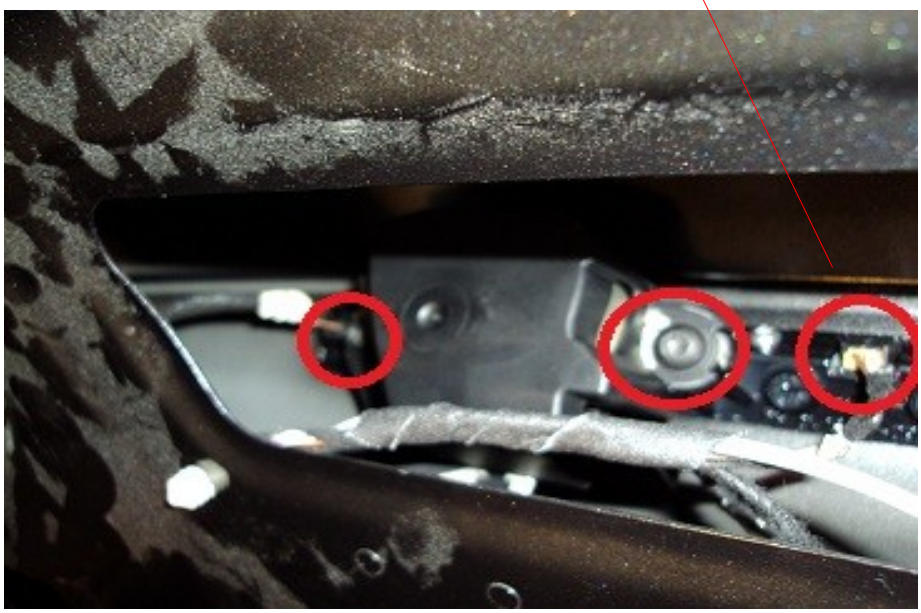
4. Even though you have the non electric lid, the liner is marked for the button so take a sharp knife and cut out for the button frame. Start with a slightly too small one that you trim to a good fit. Starting with a too big hole is not good :-)



5. Time to remove lid internals. Remove plastic cover over latch and unhook the wire by turning the white plastic disc.



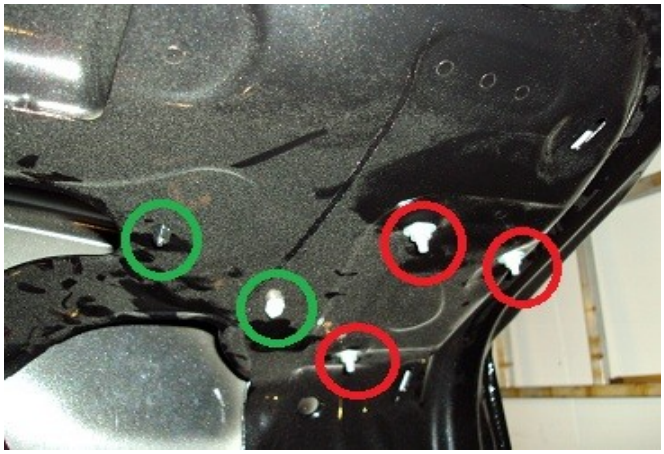
The lock case sits with 2st torx screws. Remove and unplug connector. Now remove lock case.



If the new lid doesn't come with the exterior handle just transfer the old one by removing 4 torx screws to get it loose.

6. Time to remove the harness. Mark all cables with for example masking tape and write on it where the cable goes. It's not possible to reconnect them in the wrong place but it's way faster when you know exactly where it goes. Also notice where cable holders (green rings) are located in lid, and on the harness, as they need to be removed as well.

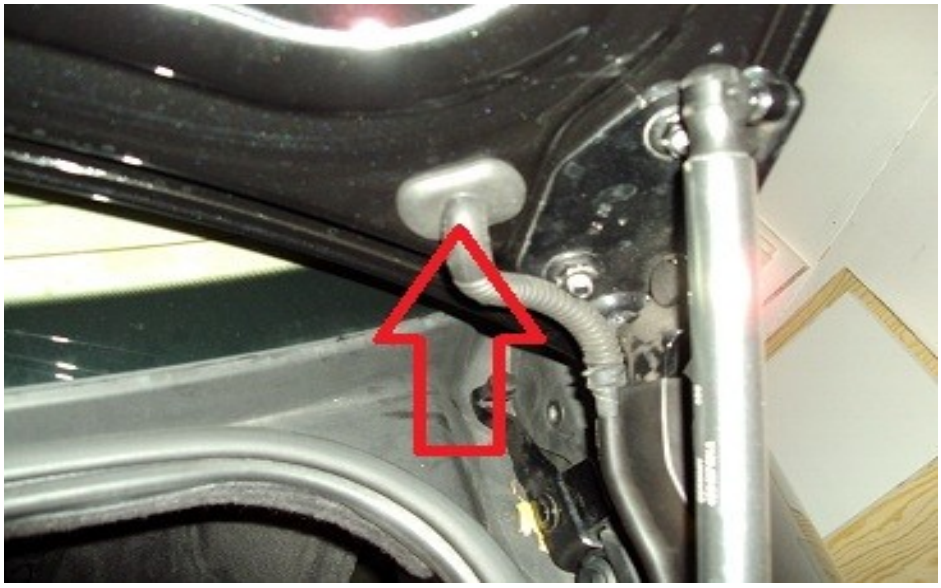
   Red circled nuts are for tail lights, remove. Contact for tails is on the black holder circled in green. Unplug lights, remove black holder and remove lights.



7. If the new lid didn't come with stops you can just drill out the rivets in the old one and transfer the stops and rivet or bolt them to the new lid. Same thing with the white clips for the tool kit. If not in the new lid, just transfer the old ones by pressing them together and then remove.

8. Remove gas struts by bending carefully in the slot. Nothing needs to come loose, just bend a little so you can push the strut out

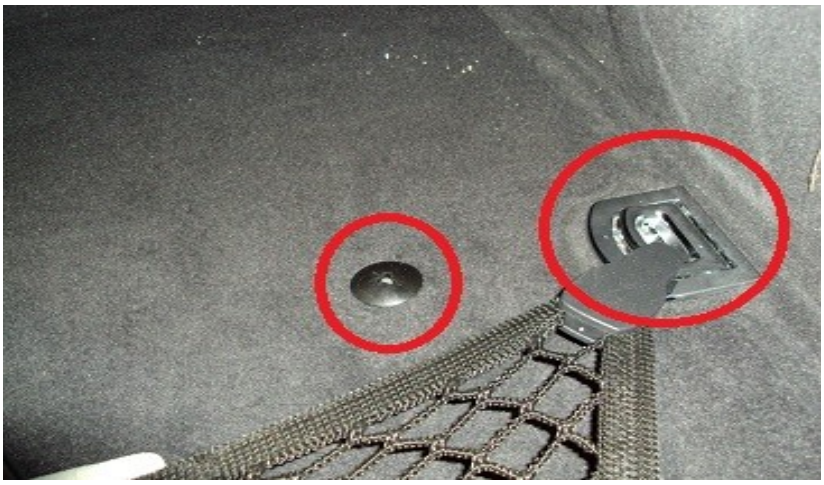
9. Time to remove the harness. Grab the rubber bushing, start wiggling out the harness. Be careful and both push and pull to make sure no connectors get stuck inside the lid. When reversing later on I'd advise you to attach some metal wire up front of the harness to make it easier to get it up through the lid.



10. Now with everything gone, remove the 4 nuts holding the lid, remove lid and fit the new one. Reverse the above.

OR, if you're retrofitting the electric motor keep following the below.

11. Remove the 2 plastic nuts holding the trunk floor. Remove floor. The cargo loops are held with 2 philips screws. Remove sccrews and loops



The plastic trunk sill needs to go so take a fine screwdriver to get one plastic plug out. Once gone you can remove the other one as well, see below pic. Repeat on the other 2 plugs. Once plugs are gone, the sill sits with some clips so pull carefully upwards to remove it

When the sill is gone you can remove the right side trunk liner. It sits with 2 plastic clips around the battery compartment.

12. Under the right lid hinge you can see 3 bolts. Remove the black cover cap on the 2 outer ones and remove the bolts. Then you can remove the metal part they held on the inside, see picture below. If your drive unit didn't come with a gasket you can reuse the one on the metal part just removed..

13. Time to make the harness. Wiring diagram can be found at the bottom of this DIY. The cables you get from the dealer are meant to be cut in 2. That will cover all the cables you need but if you like longer cables or like some buffer, buy a few more. They are not expensive. Cables themselves are nothing special but the cable lugs are so you're best off getting the OEM stuff from dealer, Kufatec or similar source.

    Cut both cables to the trunk lid light. Plug your dealer cables to pin 3 and 4 in the button connector, join them with the brown trunk light cable. Plug another cable in button connector pin 1 and run it to the white/red cable for trunk light. Make sure everything's well crimped and insulated.

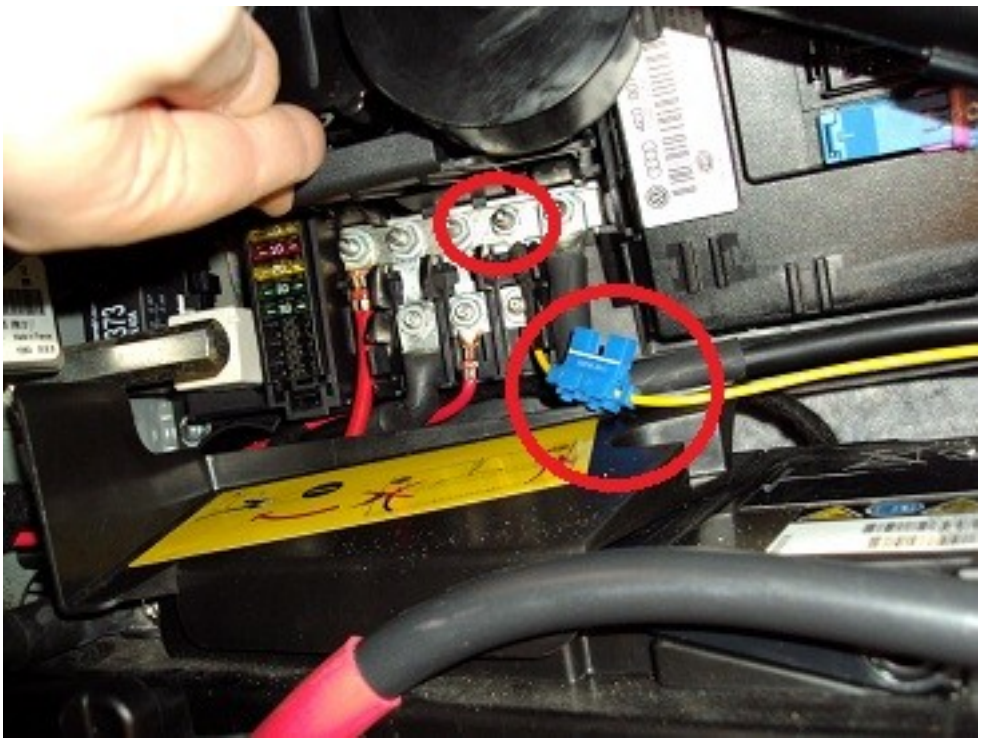
    Use hockey tape or similar to tape it up and making it look more OEMish.

14. Pin 2 on the button is sending the signal to the drive unit so plug a cable there and attach a few ft more, enough to run through the lid, battery compartment and down to the drive unit. Use some grease, 5-56 or similar to make it easier to slide through bushing etc. The part running through the hinge was too tight so I just hockey taped it outside the other cables

15. Right outer light must go to get a good cable routing so remove the 2 plastic covers. Remove the nuts behind and remove the light. Make a little hole in one of the rubber bushings and feed the cable through.

16. Take the drive unit connector and plug 2,5mm cables to pin 1, 2, 5 och 6. The cable from the trunk lid should now be connected to the pin 2 cable on the drive unit. Then crimp a ring cable lug to the drive unit pin 6 cable and bolt it to one of the earthing point next to the battery.

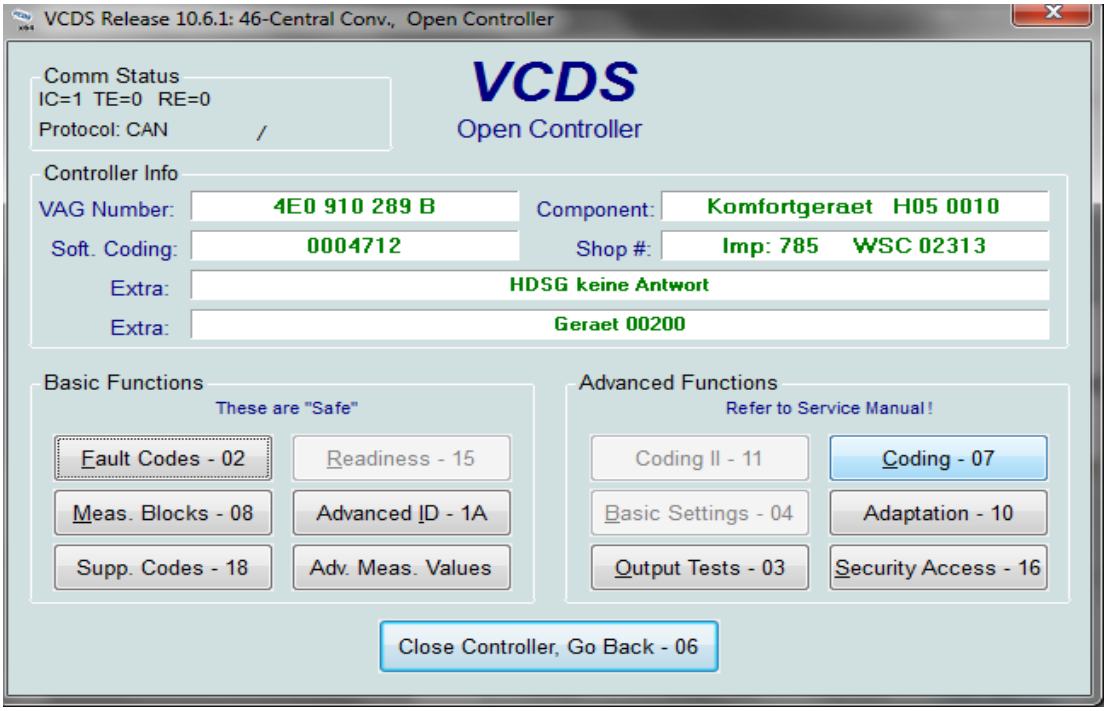
The pin 5 cable is going to positive. I did not want to tap into the main cable harness so I ran it to a free connection on the positive terminal above the battery and put a fuse directly on the cable. I you do the same, just put a ring cable lug on the cable and bolt it to the terminal.

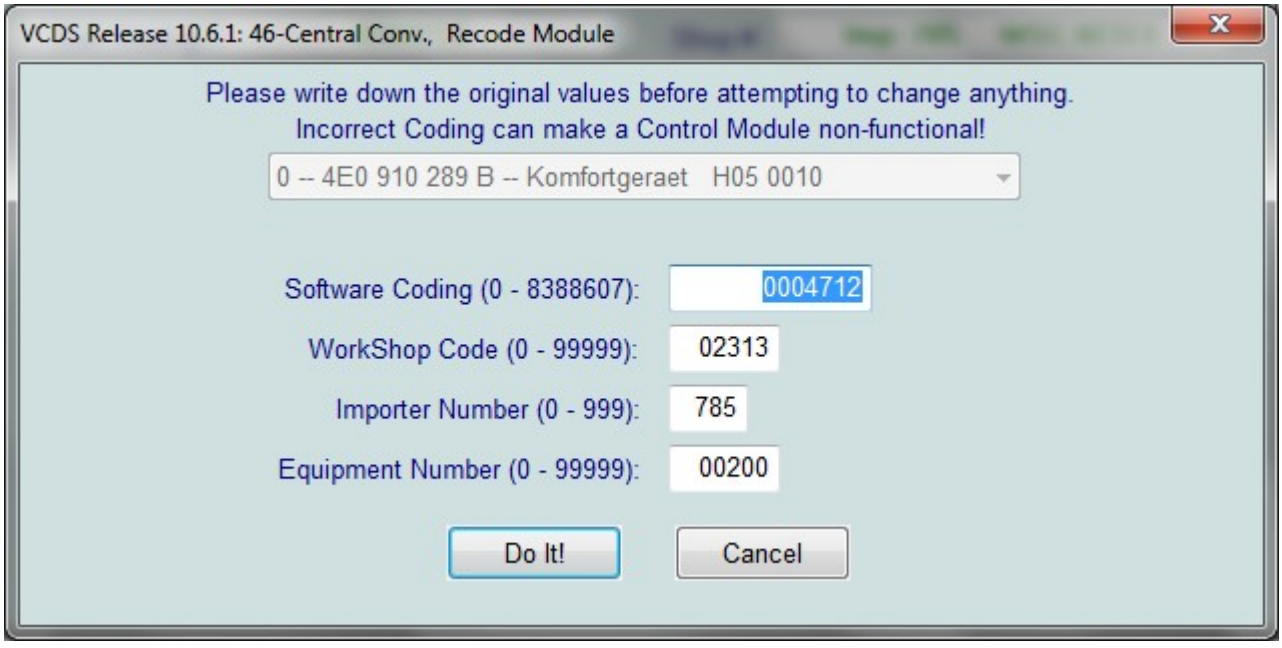


Finally you need to run a cable from drive unit pin 1 to the comfort module, so connect it with the 0,75mm cable you got for the purpose. Unplug module connectors in correct order (mid, top and bottom). Take the lower blue connector, push out the side of it to get access to the connector itself. Plug the 0,75mm cable to pin 18. Reassemble the connector and plug all of them back in correct order (bottom, top, mid)

Now you finished the harness so connect it to the drive unit, put some grease in the hole where it connects to the hinge and bolt the hole thing up.

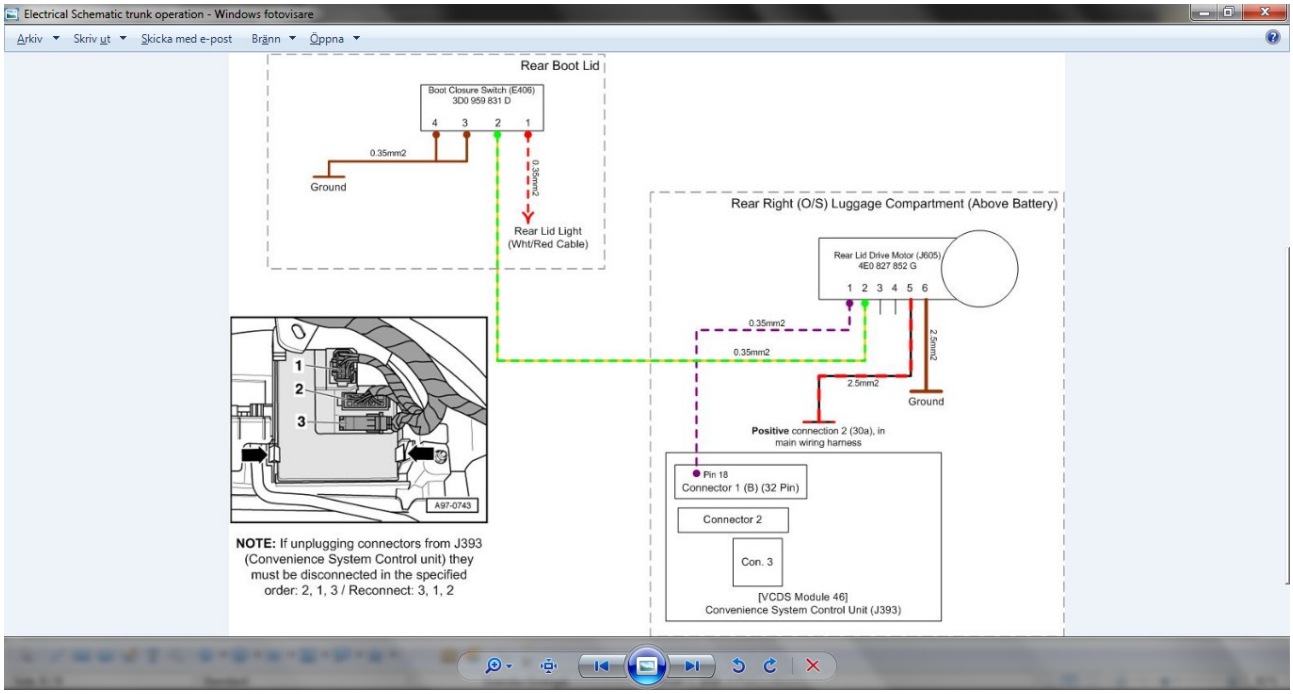
17. Now you just need to code it so hook up the computer, start VCDS and enter 46 – comfort module, click the coding and add 32. The screendump was done after I added it, so I had 0004680 before.





Shut down, unplug and check that the lid is operating. If everything's OK just tape up the new cable harness and refit the interior..

In case the lid not is closing properly you might have to take a philips screwdriver and push the pins into the stops, twist ¼ turn and they should stay inside. If it still won't close properly you might need new gas struts also. But in any case you should be able to close, lock and power patch the lid.


Electrical Schematic trunk operation - Windows fotovisare
Arkiv
Skriv ut
Skicka med e-post
Bränn
Öppna
Rear Boot Lid
Boot Closure Switch (E406)
3D0 959 831 D
4 3 2 1
0.35mm2
Ground
0.35mm2
Rear Lid Light
(Wht/Red Cable)
Rear Right (O/S) Luggage Compartment (Above Battery)
Rear Lid Drive Motor (J605)
4E0 827 852 G
1 2 3 4 5 6
0.35mm2
0.35mm2
2.5mm2
2.5mm2
Ground
Positive connection 2 (30a), in
main wiring harness
Pin 18
Connector 1 (B) (32 Pin)
Connector 2
Con. 3
[VCDS Module 46]
Convenience System Control Unit (J393)
1
2
3
A97-0743
NOTE: If unplugging connectors from J393
(Convenience System Control unit) they
must be disconnected in the specified
order: 2, 1, 3 / Reconnect: 3, 1, 2