



Installation Procedures

B7 Rear View Camera Installation Guide

This tutorial is provided as a courtesy by ECS Tuning.

Proper service and repair procedures are vital to the safe, reliable operation of all motor vehicles as well as the personal safety of those performing the repairs. Standard safety procedures and precautions (including use of safety goggles and proper tools and equipment) should be followed at all times to eliminate the possibility of personal injury or improper service which could damage the vehicle or compromise its safety.

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Rear View Camera Installation for B7 Equipped with RNS-E Head Unit

Safety first:.

When working with your vehicles electrical system; always disconnect the battery! Avoid shorting any circuits, or probing around wires. Failure to follow these safety precautions, and all others, could result in irreversible damage to your vehicles electrical system, failure to start, fire, and/or personal injury. Before you undertake this installation, it is important that you read the following instructions! Listed below are the necessary tools and skills required to complete the job. If the installation of this product seems overwhelming, please contact a qualified installer in your area.

Be aware that disconnecting your battery may require you to input your radio anti-theft code, so make sure you have it handy.

Estimated Installation Time: 1.5 Hour

Tools Required:

- A 3/8 Socket Wrench
- A 10mm socket
- A Flat Head Screwdriver
- Philips Head Screwdriver
- A HEX-CAN Cable & Driver
- VAGCOM
- Audi Specific Head Unit Removal Tool

Parts Required:

- Kufatech 35542
- Kufatech 35676
- Kufatech 35538
- Kufatech 36136
- Audi 4L0 980 551

Rear View Camera Installtion for B7 Equipped with RNS-E Head Unit



1. Start by opening your trunk.



2. Use a flat head screwdriver to pry off the plastic cover from the latch lock.



3. Pull down on the emergency trunk release and twist the lever to pop it out of the ball joint on the right side.



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4. Use a flat head screwdriver to pry between the side of the lever to split it in half. This will allow you to free the cable from the lever.



5. Push the release cable back into the plastic.



6. Remove the Philips head screw inside the plastic.



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7. Remove the other Philips head screw that is located in the same spot on the right side of the trunk.



8. Now that you have all of the screws removed, go around the trunk liner to pry off all of the metal clips holding in the liner.



9. Remove the trunk liner.



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10. Remove the 10mm nuts holding in both license plate light brackets.



11. You can use a socket wrench or ratcheting box wrench to remove the light brackets.



12. Set these aside so they can be reassembled later.



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13. Unhook the two wire connector and remove the 10mm nuts holding in the stock key lock assembly.



14. You will no longer need this part. Save it in a safe spot in case you decide to go back to stock.



15. The connector you just removed will not be used anymore.



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16. Remove the black plastic assembly to install your camera into the stock key lock assembly spot.



17. Reinstall the black plastic assembly as shown.



- 17A. Close up shot of what your camera should look like as of this point.



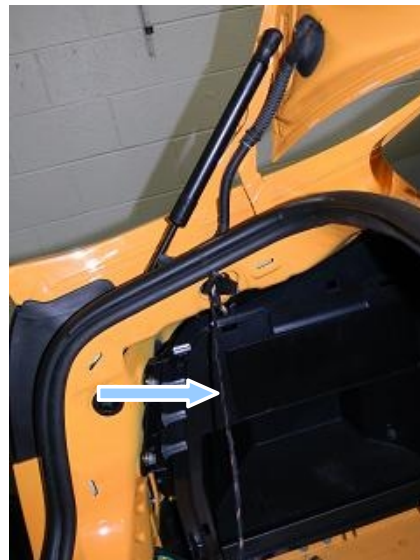
Rear View Camera Installtion for B7 Equipped with RNS-E Head Unit



18. Run the wires from the camera to this open slot on the left side of the trunk lid.



19. Take the black plastic connector side of VAG to IMA wiring harness (Kufatec 36136) and run it through the stock rubber grommet that holds the trunk electrical wires.



20. This is where the connector should appear after you pull it through the rubber grommet.



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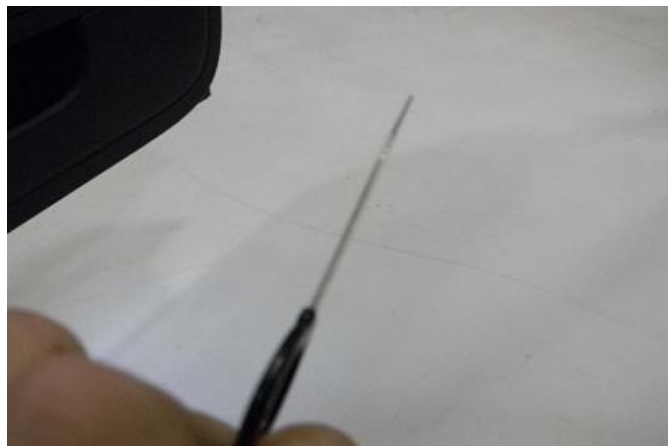
21. Connect the matching wires from the wiring harness to the camera and seal the grommet back into position.
22. Run the wiring harness (Kufatec 36136) from the trunk to behind the head unit of your car.



23. Use a suitable tool to unlock your head unit. You will need four of what is shown in the picture.



- 23A. Profile picture of the removal tool.



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24. Insert the removal tools into the slots in your head unit. Push them in until you feel them clip into place.



25. Pull evenly on all the clips and the head unit should slide out easily. If it feels hard to pull, reposition your unlocking tools and try again.



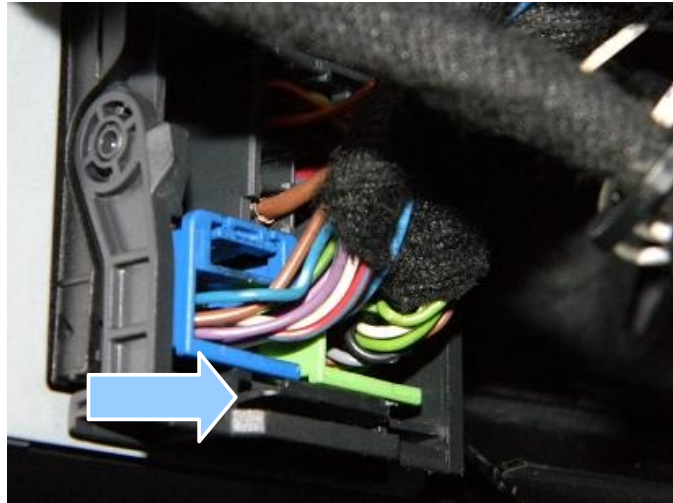
26. To remove your tools, push in on the tangs and pull it out.



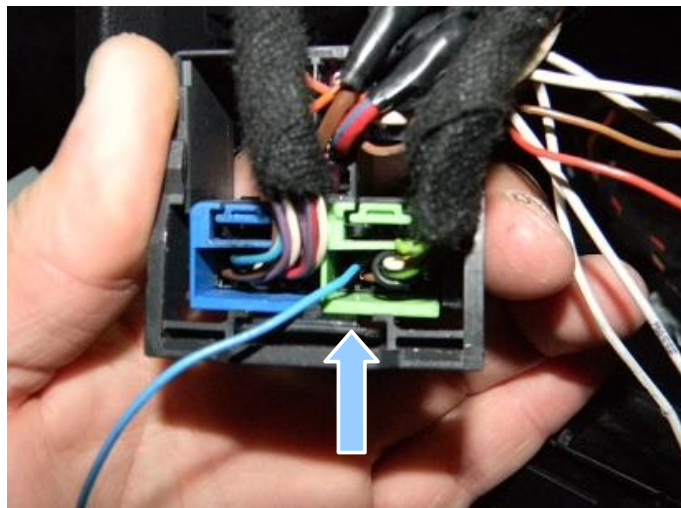
Rear View Camera Installation for B7 Equipped with RNS-E Head Unit



27. Unlock your Quad-Lock connector from your head unit by squeezing the bottom tab.



28. Insert the one end of the trigger wire (Kufatec 35676) into the empty slot of C2. Please see page 13 to see a diagram of the Quad-Lock wiring.



29. Insert the other end of the trigger wire into slot number 3 of the IMA side of the wiring harness that connects the IMA and head unit (Kufatec 35542).
30. Also insert the black wire in the harness you ran from the trunk to slot number 5 in the same connector.

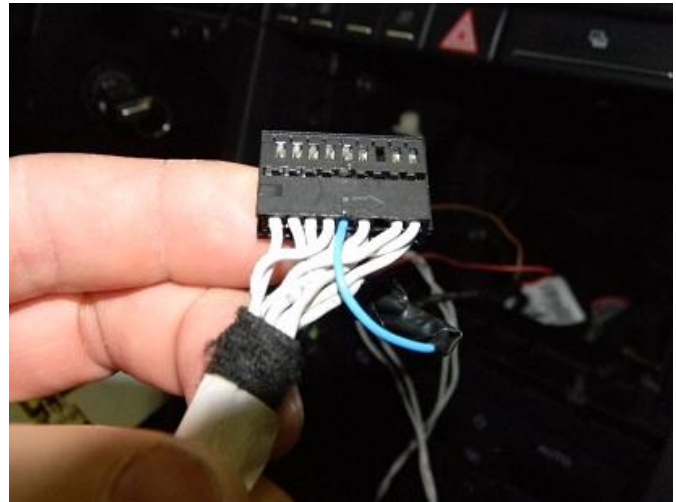


Rear View Camera Installtion for B7 Equipped with RNS-E Head Unit



31. Flip the connector over and insert the clear wire into slot number 14.

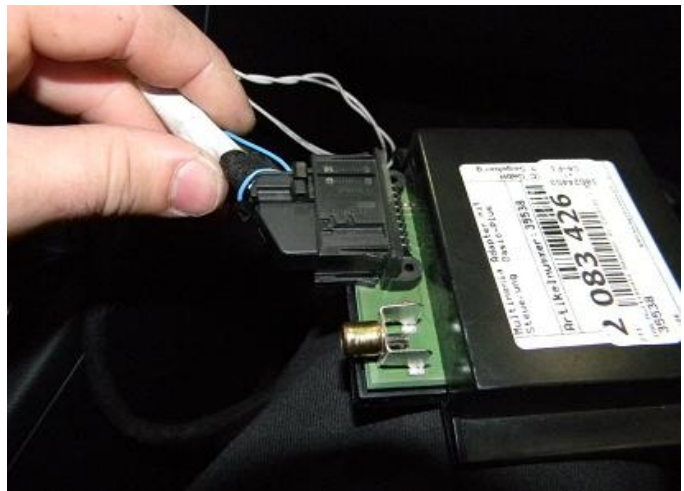
* In this picture, the clear wire was replaced with a blue wire. This was only done to make the wire more visible for the instructions. Your wire will be clear.



32. Insert the connector into the appropriate black locking cover. There is an arrow indicating the direction of insertion.



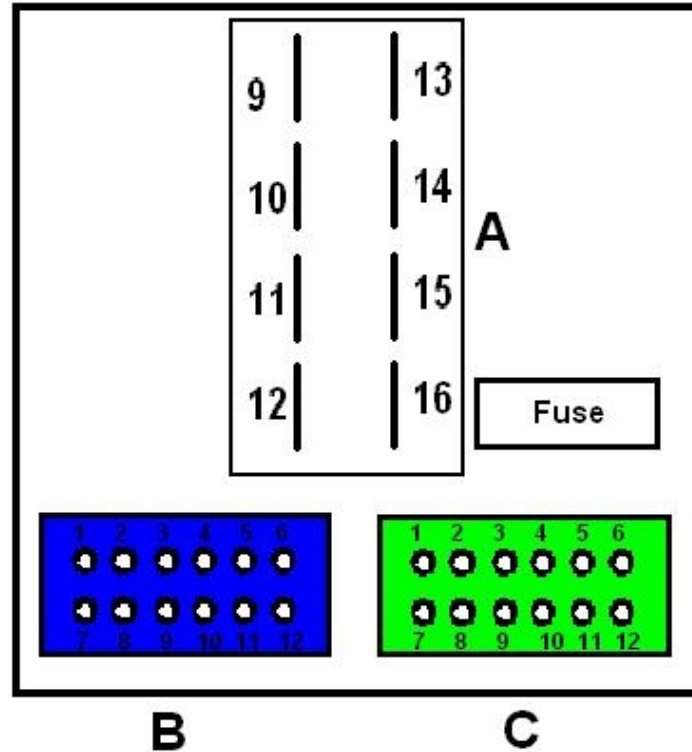
33. Connect the harness to the IMA module.



**Rear View Camera Installtion for B7
Equipped with RNS-E Head Unit**



Quad-Lock



34. From the Kufatec 35542 wiring harness, there will be 4 white wires near the gray connector.

If you look closely, there is scripting on each wire. Use the table below to show you which wires you need to connect them to.

Can High – Tap into A9

Can Low – Tap into A10

Bauer plus – Tap into A15

Masse – Tap into A12

35. Now you should only have two wires left from the harness that was ran from the trunk. They should be brown and red. Use the table below to show you which wires you need to connect them to.

Red – Tap into A15

Brown – Tap into A12

ECS Tuning

1000 Seville Road, Wadsworth, OH 44281

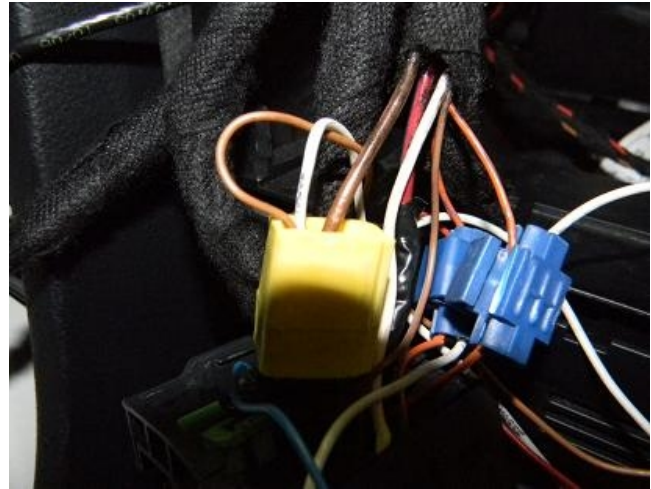
Phone: 1.800.924.5172

www.ecstuning.com

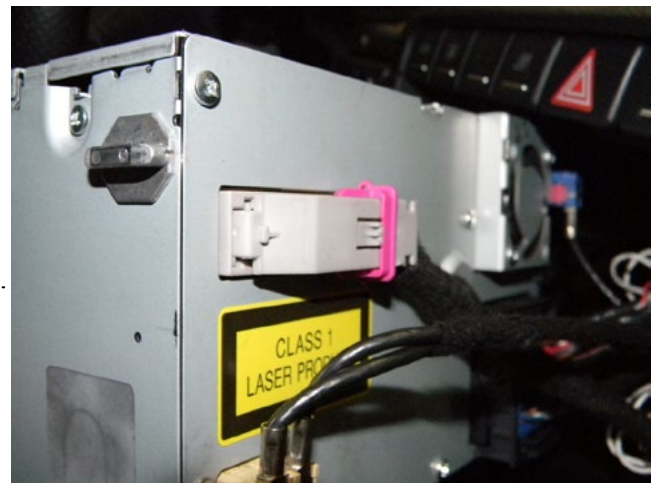
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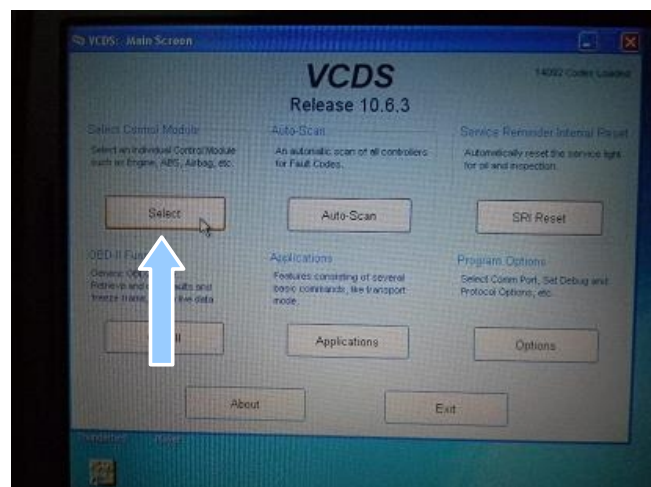
36. This is what your wiring to the Quad-Lock should look like. As you can see, inside the yellow wire clamp the Masse and brown wire are being tapped into wire A12.



37. Insert your gray connector from Kufatec 35542 into your head unit. This concludes the physical installation of this kit. You will have some extra wires on Kufatec 35542 that aren't used. They don't need anything done with them. Tuck all your wiring and IMA box away behind the head unit and reassemble everything.



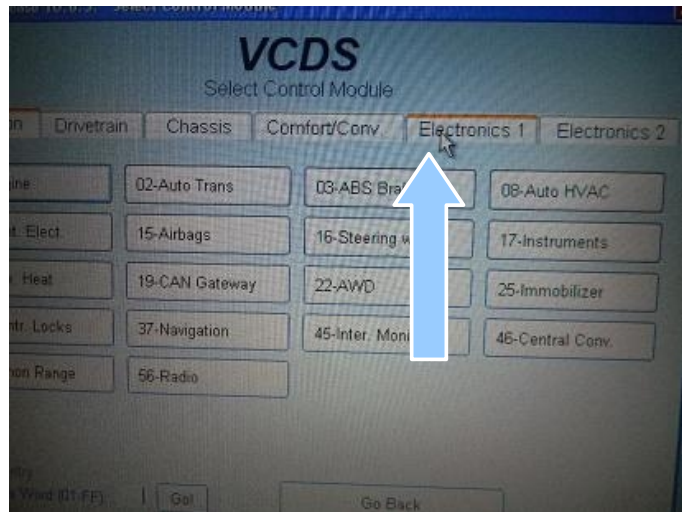
38. Connect your HEX-CAN cable to the OBD2 port and open VAG-COM. Click the "Select Control Module" button..



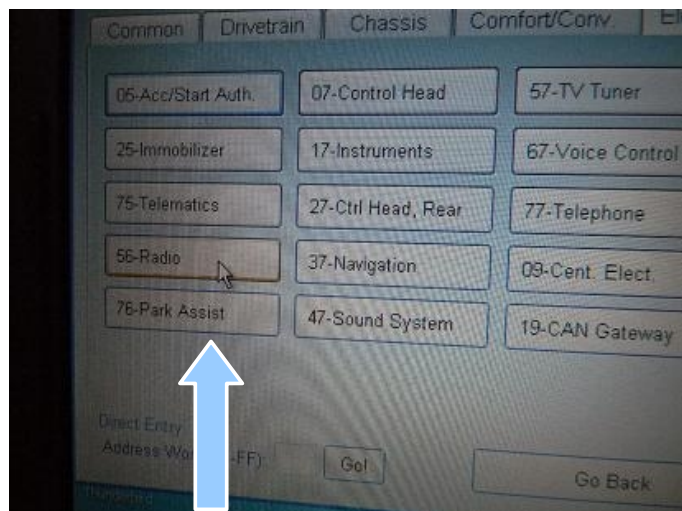
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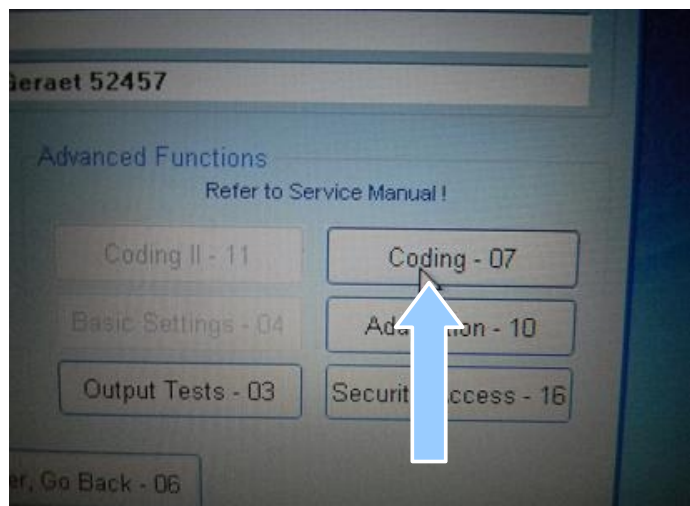
39. Click on the “Electronic 1” tab.



40. Click on the “56-Radio” button.



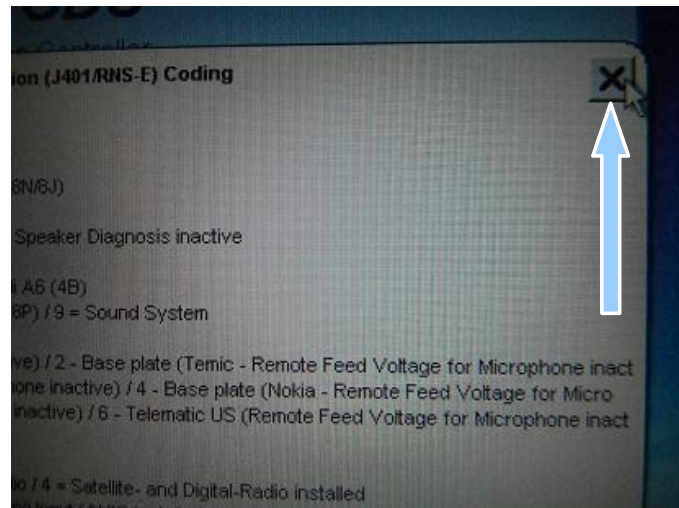
41. Click on the “Coding – 07” button.



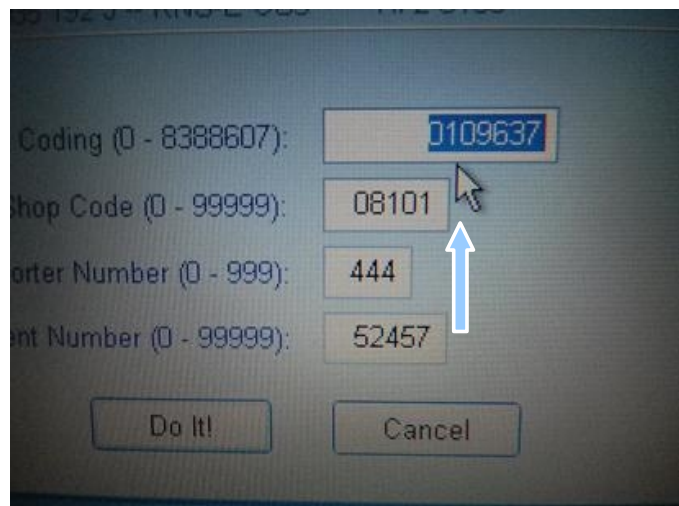
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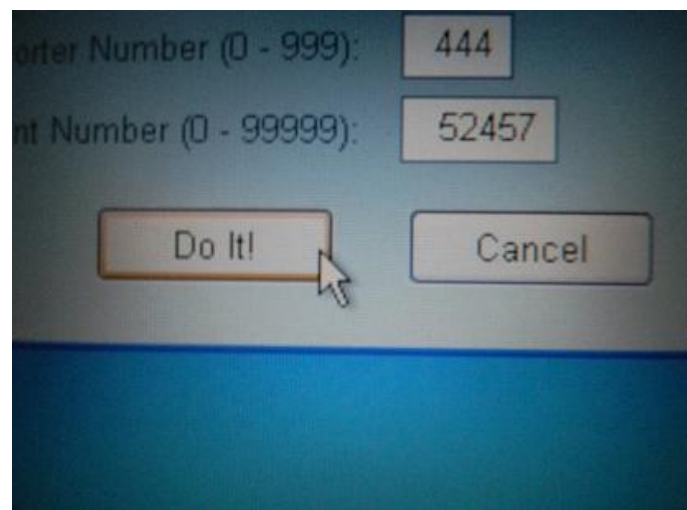
42. Click on the “X” that pops up.



43. In the first section, change the second digit to “1”.



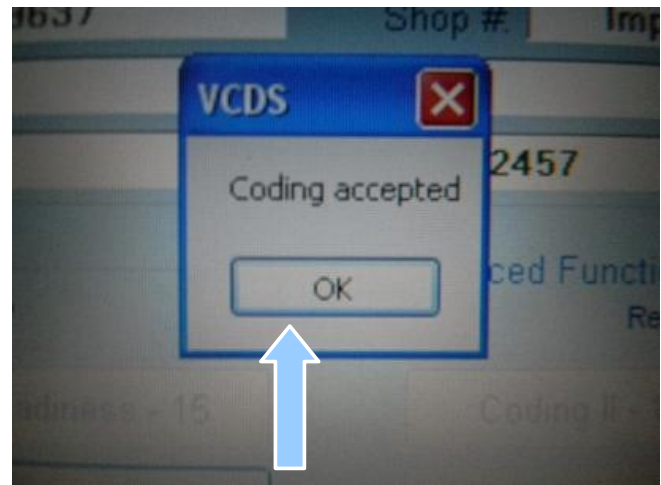
44. Click on the “Do it!” Button.



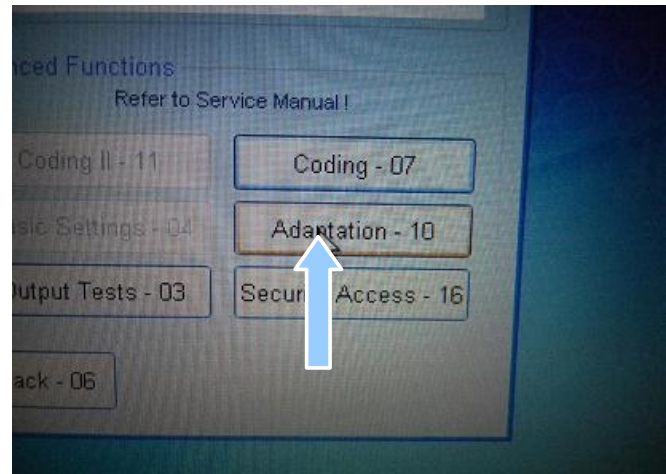
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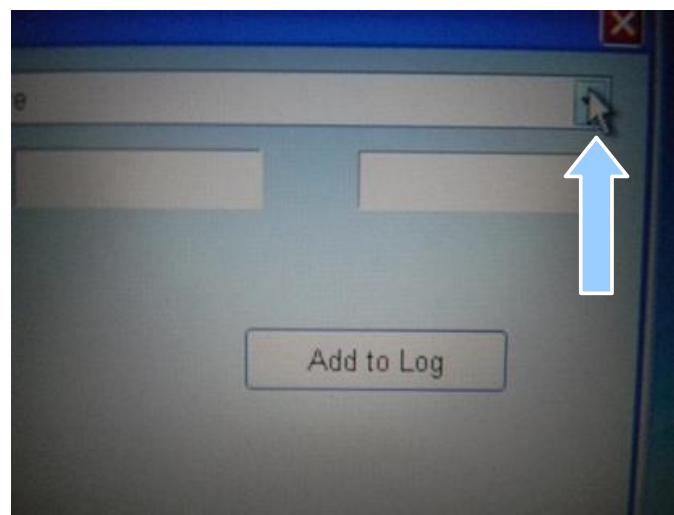
45. This window should pop up, hit “ok”.



46. Click on the “Adaptation – 10” button.



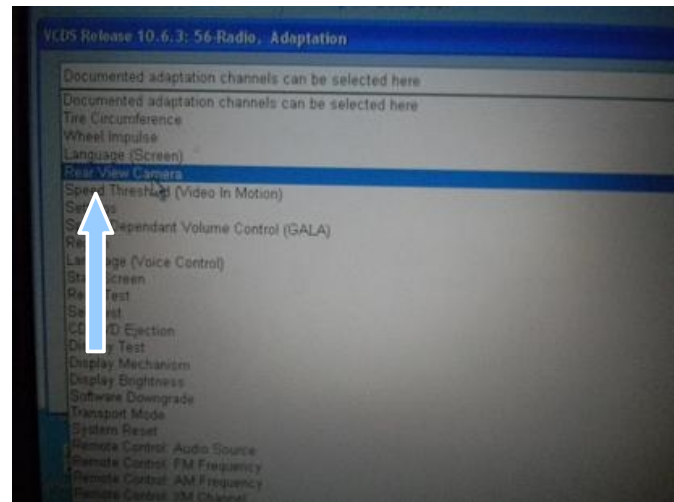
47. Click on the down arrow to open the drop menu.



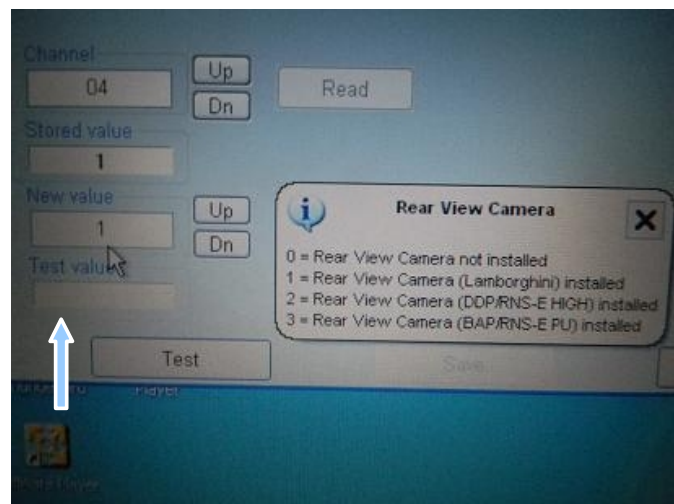
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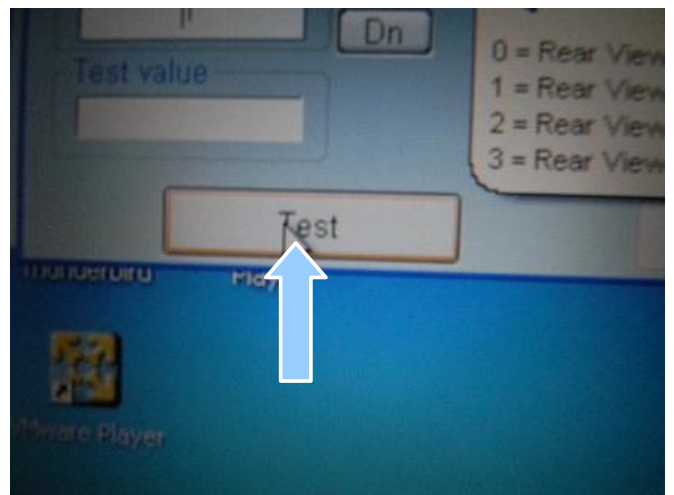
48. Click on the “Rear View Camera” text.



49. Change the “New value” section to “1”.



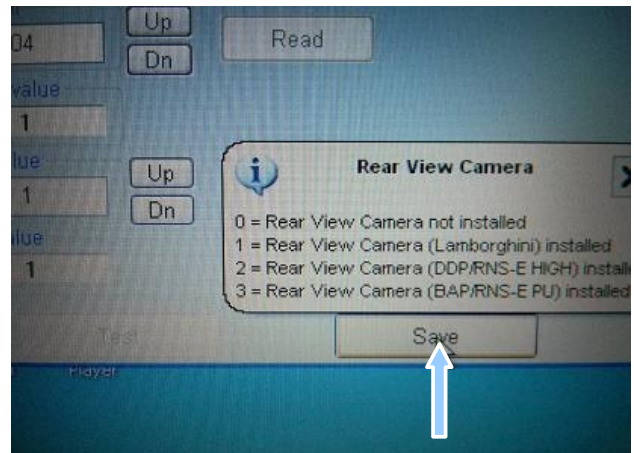
50. Click on the “Test” button



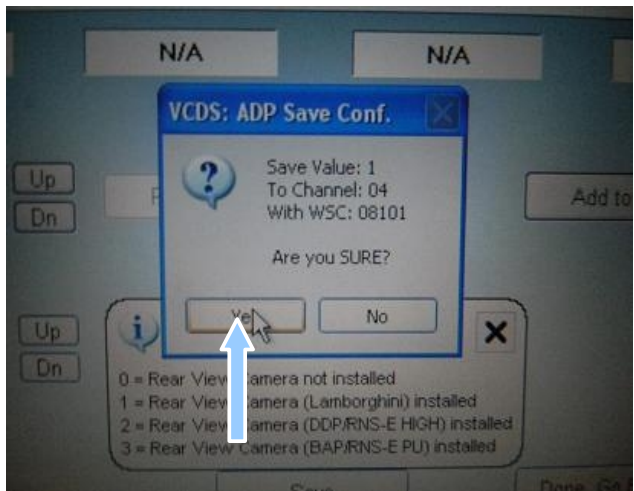
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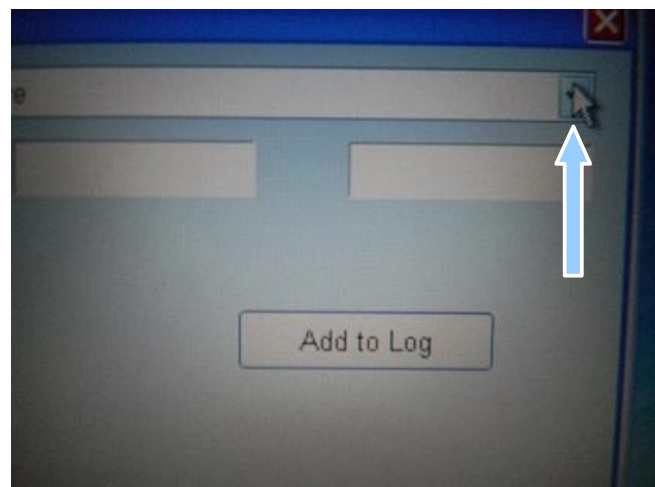
51. Click on the “Save” Button.



52. Click on the “Yes” Button.



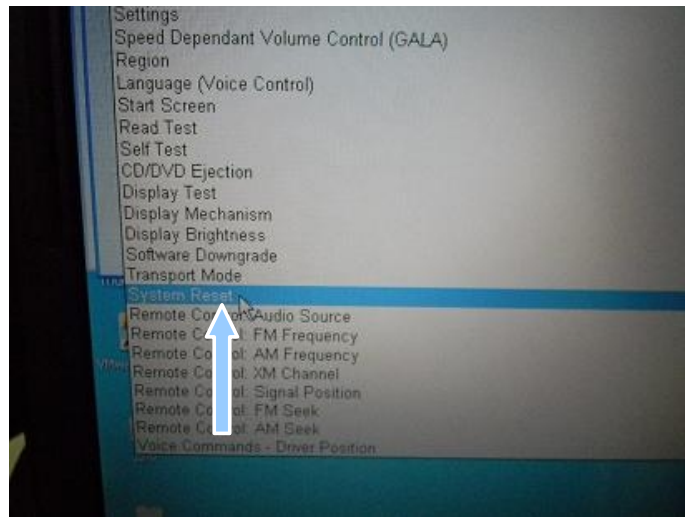
53. Click the down arrow to re-open the
drop menu.



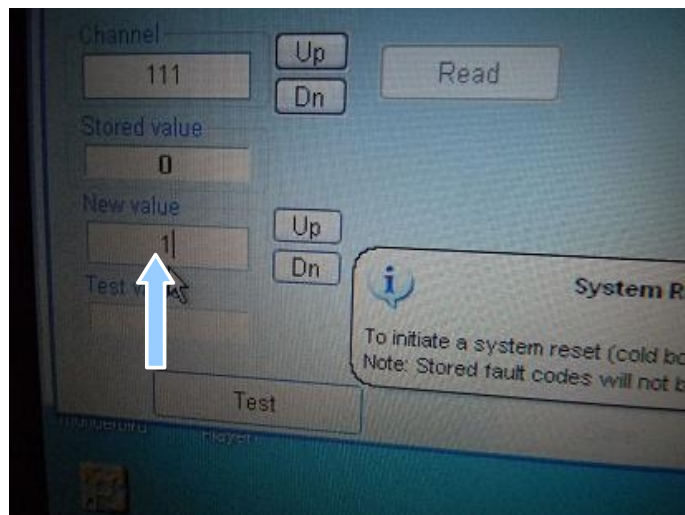
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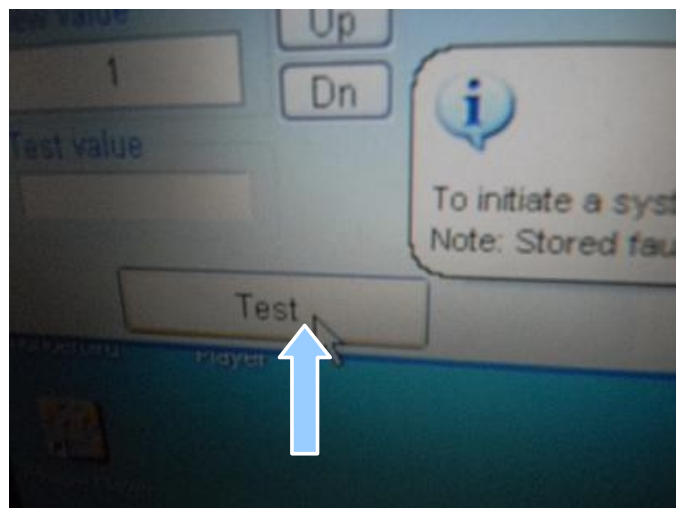
54. Click on the “System reset” text.



55. Change the “New value” to “1”.



56. Click on the “Test” Button.



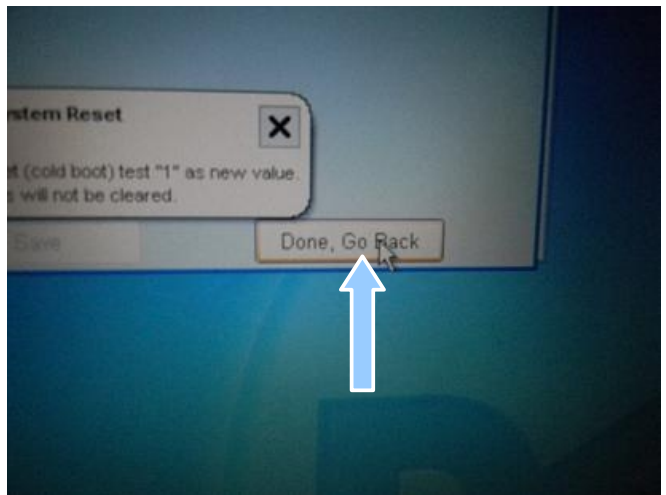
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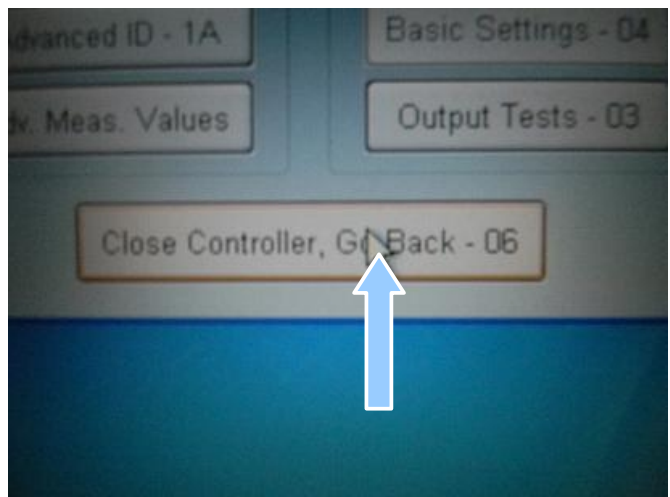
57. You should see your head unit reboot and when it turns back on it will display the Lamborghini emblem.



58. Click on the “Done, Go Back” button.



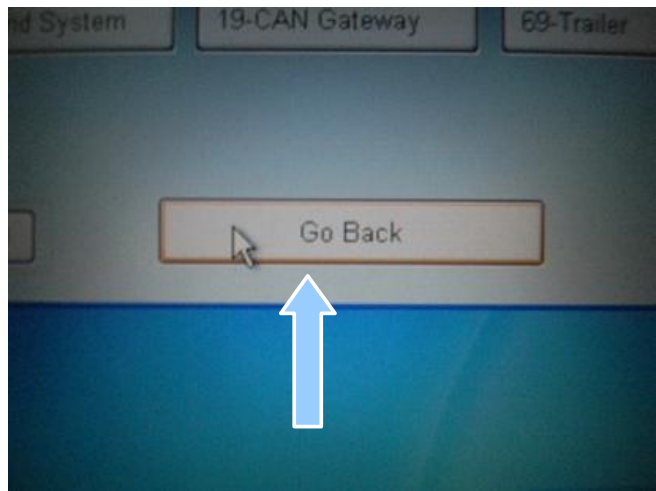
59. Click on the “Close Controller, Go Back - 06” button.



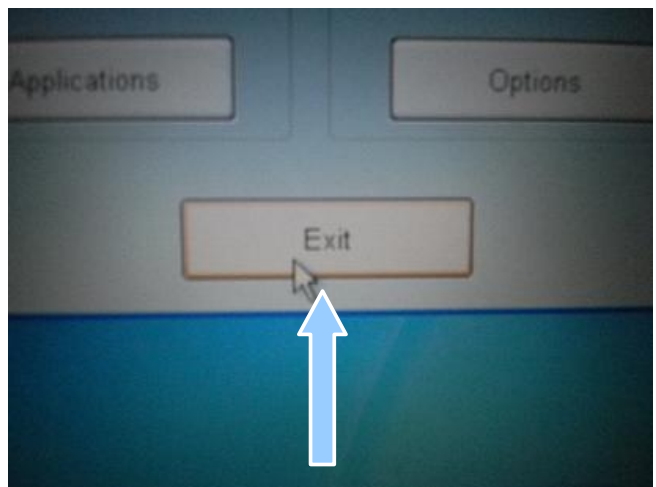
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60. Click on the “Go Back” button.



61. Click on the “Exit” button.



62. Cycle your car key once and then start your car. When you put your car in reverse, the screen should automatically display the rear view camera!

