

2006 Porsche Cayenne S (9PA) V8-4.5L

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> Removal and Replacement

REMOVING AND INSTALLING KESSY / IMMOBILISER CONTROL UNIT

Removing And Installing Kessy/Immobiliser Control Unit

Important information

NOTE:

- If the Kessy control unit is replaced, it must be programmed using the Porsche System Tester. This will ensure that the control unit is taught for the relevant vehicle, country version and equipment.
- If possible, before the control unit is removed and replaced, a read-out of the vehicle data should be obtained from the Porsche System Tester.
- Symbol for the Tab key = .->|"
- Follow the instructions for the Porsche System Tester.

Versions

NOTE: The following versions are listed in the Kessy/immobiliser Coding menu:

Version

Kessy with Tiptronic

Kessy with manual transmission

Immobiliser with Tiptronic

Immobiliser with manual transmission

NOTE: If not coded, select the vehicle-dependent, required version and code with .F8".

Obtaining read-out and saving vehicle data from control unit

NOTE: In order to guarantee the function of the control unit after teaching, the coding value in the old control unit must be read out or determined again. This value must be written into the new control unit after teaching.

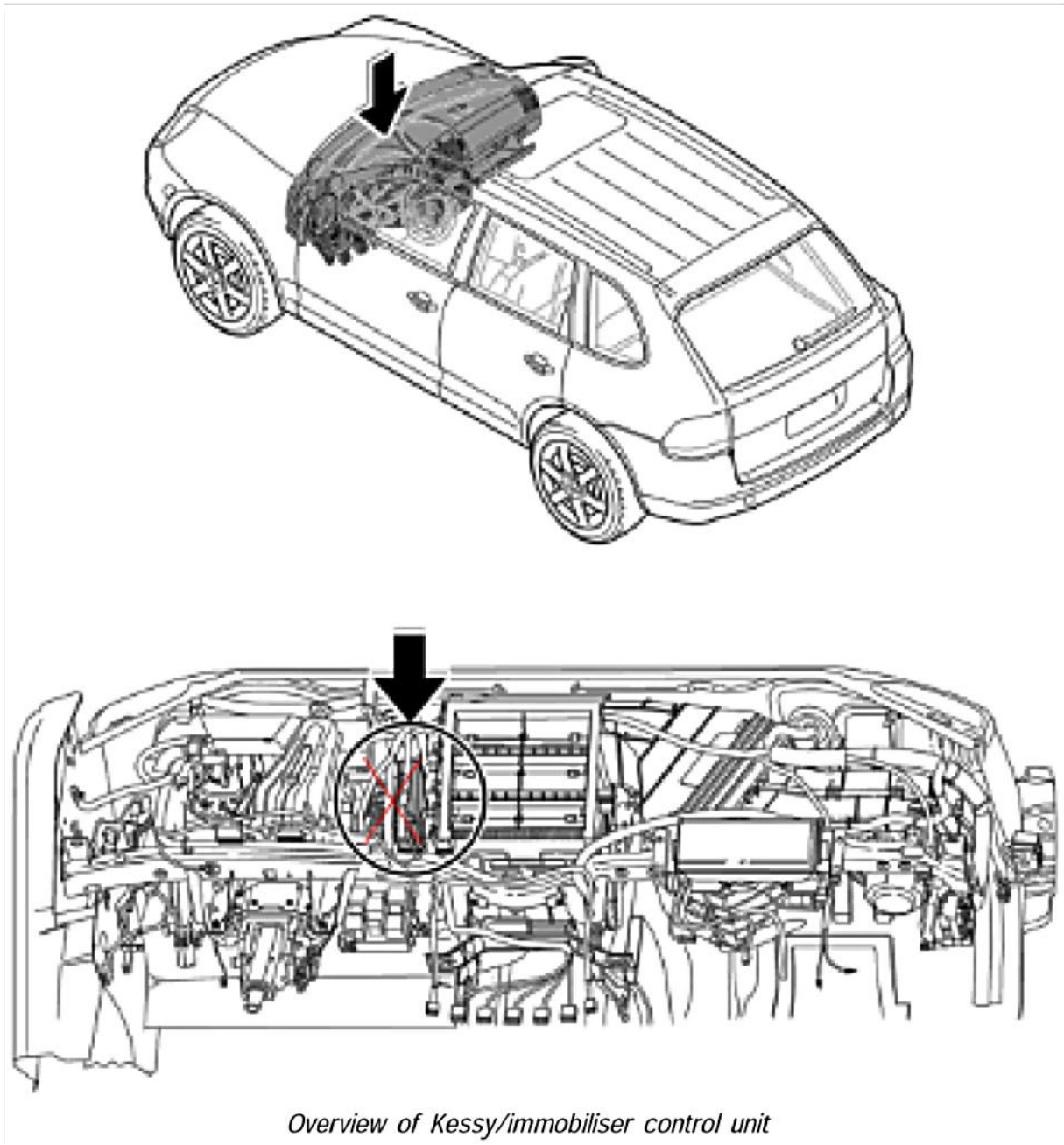
1. Connect the Porsche System Tester to the vehicle and start the System Tester. Switch on ignition. Press .>>" to continue.
2. Select vehicle type using the cursor keys.
3. Using the .->|" key, move from the vehicle type to the list of control units.
4. Select Kessy/immobiliser control unit with the cursor keys and press the .>>" key.
5. Select Control unit replacement with the cursor keys and press the .>>" key.
6. Select Read out values (vehicle data) with the cursor keys and press the .>>" key.
7. The note "Coding read complete" will appear on the screen of the Porsche System Tester.
8. After replacement of the Kessy/immobiliser control unit, the data that was read out is installed in the "Teach Kessy/immobiliser" menu (see point 6).

Preliminary work

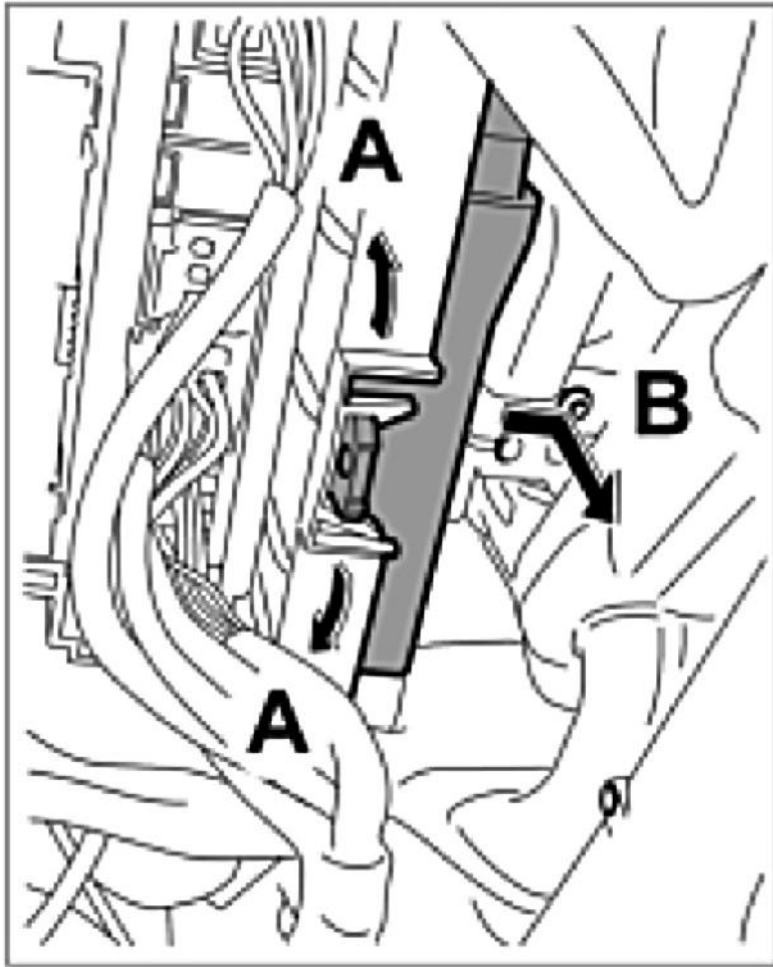
1. Remove cover under instrument panel on left.

Removing Kessy/immobiliser control unit

NOTE: The control unit is located beside the hot air unit.

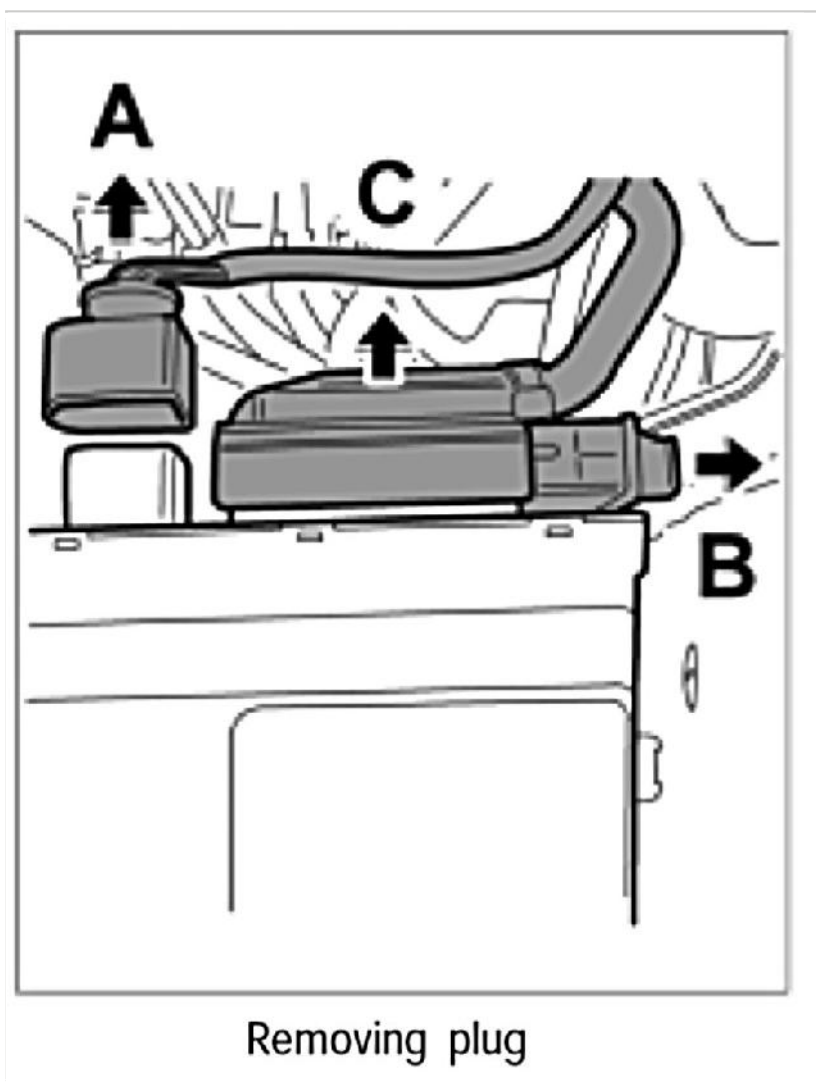


1. Push the two locking tabs apart -arrows A-. Pull the control unit to the right and downwards -arrow B-.



Removing control unit

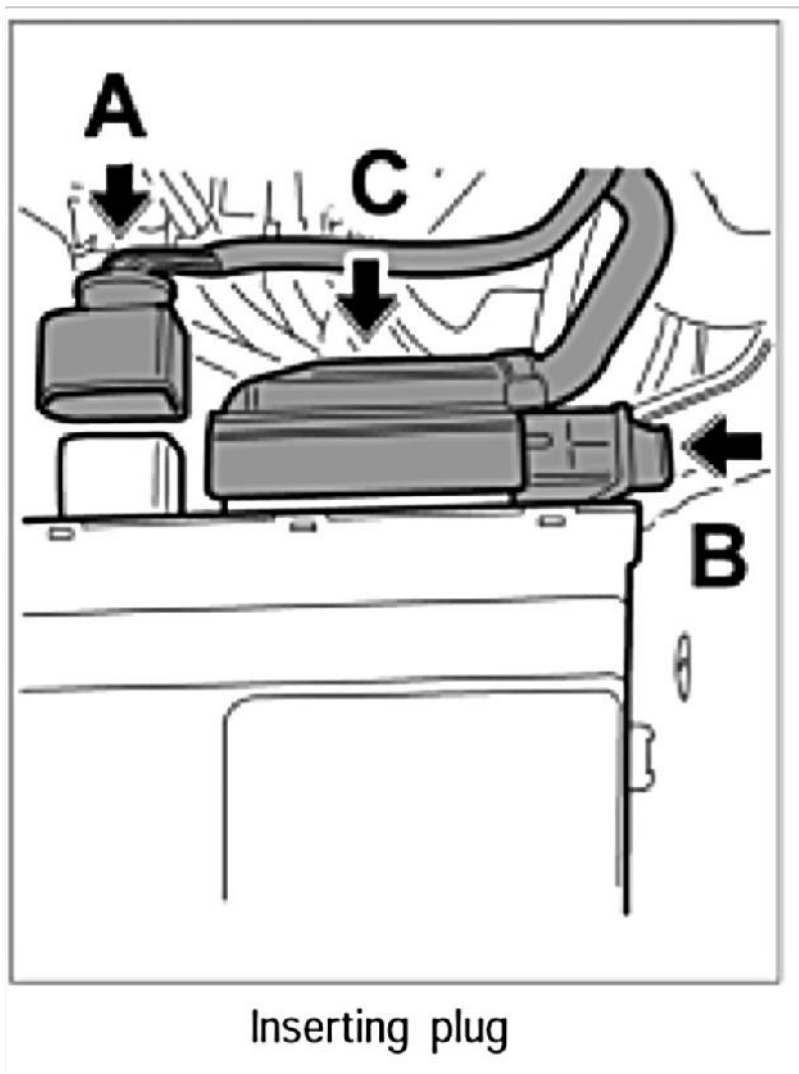
2. Press and pull off plug -arrow A-. Open lock -arrow B- on plug -arrow C- and remove plug.



3. Remove control module.

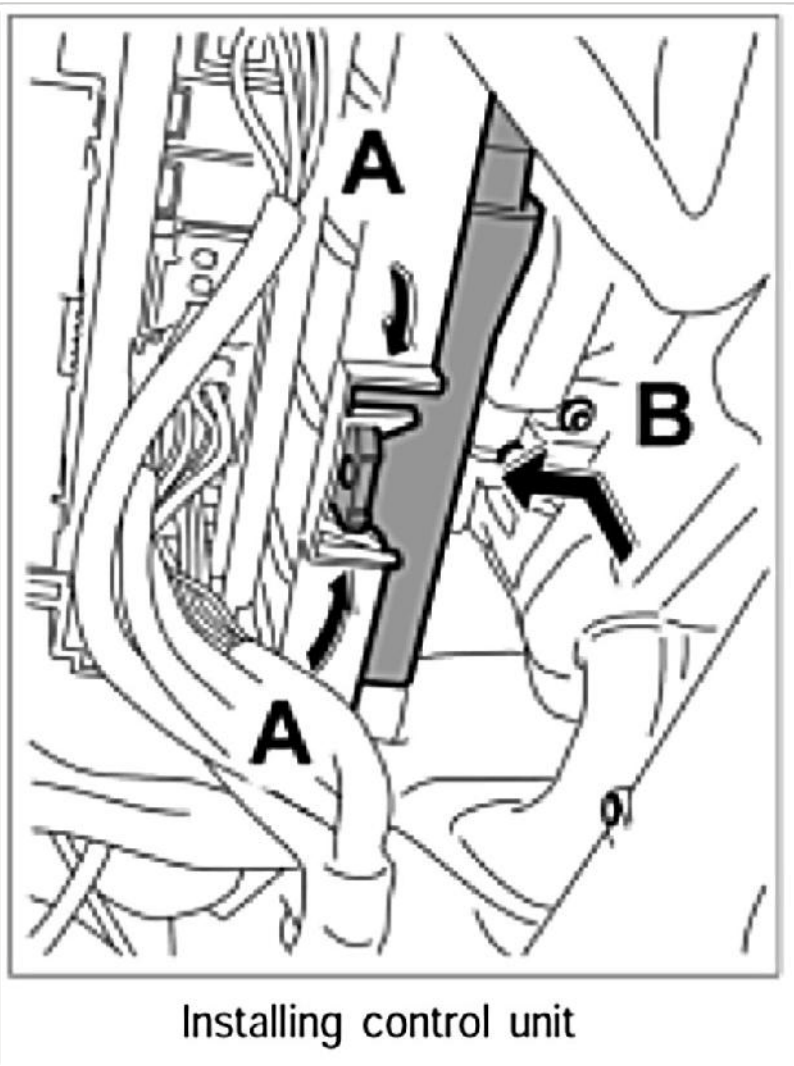
Installing Kessy/immobiliser control unit

1. Push on plug -arrow C- and lock it -arrow B-.



2. Connect plug -arrow A- until it clicks into place.

3. Insert control unit into the upper mounting point -arrow B- and engage in holder -arrows A-.



Installing control unit

Subsequent work

1. Install cover under left instrument panel.

Programming new Kessy/immobiliser control unit

NOTE:

- All original keys are required for teaching.
- If a new Kessy control unit is to be installed in a vehicle, the immobiliser code specified in IPAS must be entered.
- You can get the codes from IPAS or from your importer by specifying the vehicle identification number.
- During programming, it is essential to guarantee the power supply for the Porsche System Tester. A battery charger with a current rating of **at least 40 A** must be connected to the vehicle battery.
- Symbol for the Tab key = `.->|`.
- The Porsche System Tester instructions take precedence and in the event of a discrepancy these are the instructions that must be followed. A discrepancy may arise with later software versions (16.0 or higher).
- The procedure described here has been structured in general terms; different text or additions may appear in the Porsche System Tester.
- In order to guarantee the function of the control unit after teaching, the coding value in the old control unit must be read out or determined again. This value must be written into the new control unit after teaching.

1. Ignition off.
2. Replace control unit.
3. Ignition remains off, connect the Porsche System Tester (PST) to the vehicle and start the System Tester.
4. Select Special functions using the cursor keys.
5. Select Kessy Cayenne using the cursor keys.

NOTE: The brake pedal must be operated during the control unit search. The reason for this is that the CAN remains active. If the brake pedal is not pressed, the Kessy control unit will not be recognised.

6. The message "System learned" appears in the instrument cluster.
7. Switch to the Special functions menu and go to Kessy Cayenne.
8. Select Teach Kessy/immobiliser in the Control unit replacement menu and press .>>" to continue.

NOTE: Follow the instructions on the Tester.

9. Insert key, then press .>>" ->
10. Enter new immobiliser code with .>>" and confirm by pressing .F7".
11. The version is displayed. If the data could not be read out when replacing the control unit.
12. Teach Kessy, then press .>>"
13. Teach keys, then press .>>". The number of keys to be taught must be specified.

NOTE: All keys that exist for this vehicle must be specified here.

14. Follow the instructions on the Tester.
15. Read out the fault memory for all faulty control units, then erase fault memory.

NOTE: Before the engine can be started, a wait time of **5 minutes** must be observed only once.

16. Start engine with all keys, one after the other.

Replacing Kessy/immobiliser control unit

NOTE:

- If the Kessy control unit from a different vehicle is being used, proceed as follows. As a check, the immobiliser code of the vehicle in which the control unit is being installed (NEW) and of the vehicle from which the control unit has been removed (OLD) are required.
- You can get the necessary codes from IPAS or from your importer by specifying the vehicle identification number.
- During DME programming, it is essential to guarantee the power supply for the Porsche System Tester. A battery charger with a current rating of **at least 40 A** must be connected to the vehicle battery.
- Symbol for the Tab key = .->|".
- The Porsche System Tester instructions take precedence and in the event of a discrepancy these are the instructions that must be followed. A discrepancy may arise with later software versions (16.0 or higher).
- The procedure described here has been structured in general terms; different text or additions may appear in the Porsche System Tester.

1. Ignition off.
2. Replace control unit.

3. Ignition remains off, connect the Porsche System Tester (PST) to the vehicle and start the System Tester.
4. Select Special functions using the cursor keys.
5. Select Kessy Cayenne using the cursor keys.

NOTE: The brake pedal must be operated during the control unit search. The reason for this is that the CAN remains active. If the brake pedal is not pressed, the Kessy control unit will not be recognised.

6. The message "System learned" appears in the instrument cluster.
7. Switch to the Special functions menu and go to Kessy Cayenne.
8. Select Teach Kessy/immobiliser in the Control unit replacement menu and press .>>" to continue.

NOTE: Follow the instructions on the Tester.

9. Insert key, then press .>>"
10. Enter old immobiliser code using .>>" and confirm by pressing .F7".
11. Enter new immobiliser code with .>>" and confirm by pressing .F7".
12. The version is displayed. If the data could not be read out when replacing the control unit.
13. Teach Kessy, then press .>>"
14. Teach keys, then press .>>". The number of keys to be taught must be specified.

NOTE: All keys that exist for this vehicle must be specified here.

15. Follow the instructions on the Tester.
16. Read out the fault memory for all faulty control units, then erase fault memory.

NOTE: Before the engine can be started, a wait time of **5 minutes** must be observed only once.

17. Start engine with all learned keys, one after the other.