

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

Vehicle > Powertrain Management > Transmission Control Systems > Relays and Modules - Transmission and Drivetrain > Relays and Modules - A/T > Control Module > Service and Repair > Removal and Replacement

REMOVING AND INSTALLING THE TIPTRONIC CONTROL UNIT

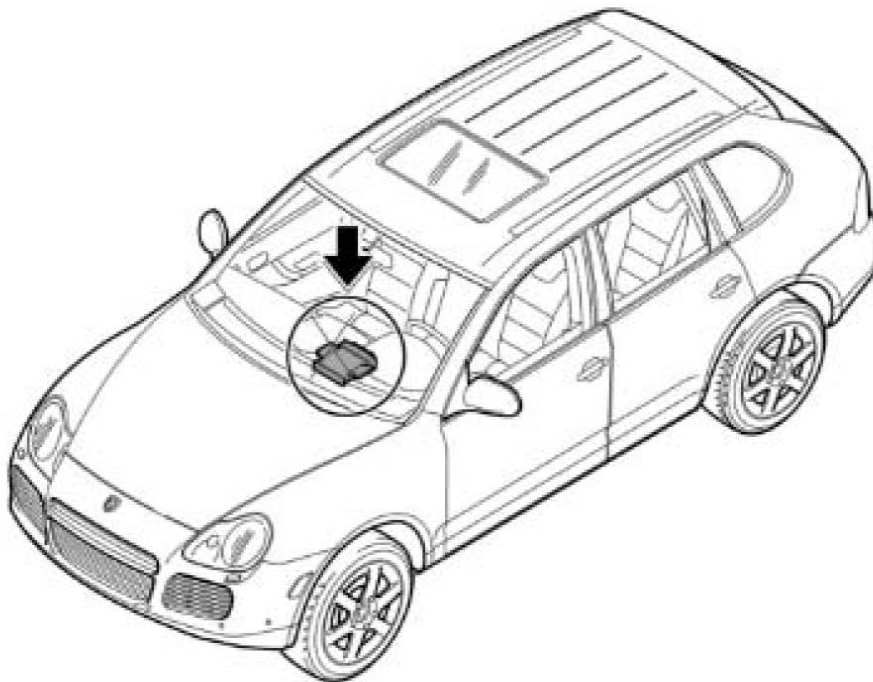
373019 Removing and installing the Tiptronic control unit

Preliminary work

1. The ignition key must be removed before removing the connector from the control unit.
2. Move right front seat all the way back and up.
3. For vehicles with a telephone, remove the telephone control unit.

Removing Tiptronic control unit

Installation Position



Installation position

Note:

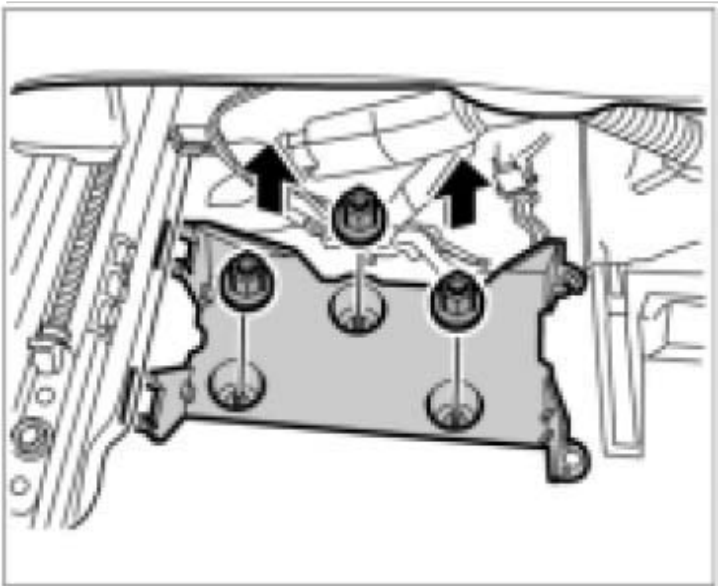
^ The control unit is located under the right front seat.

1. If the Tiptronic control unit is replaced, observe the points under coding the control unit.
2. Unclip right front seat trim and remove drawer.



Unscrewing fastening screw for support

3. Unscrew the fastening screw for the support.



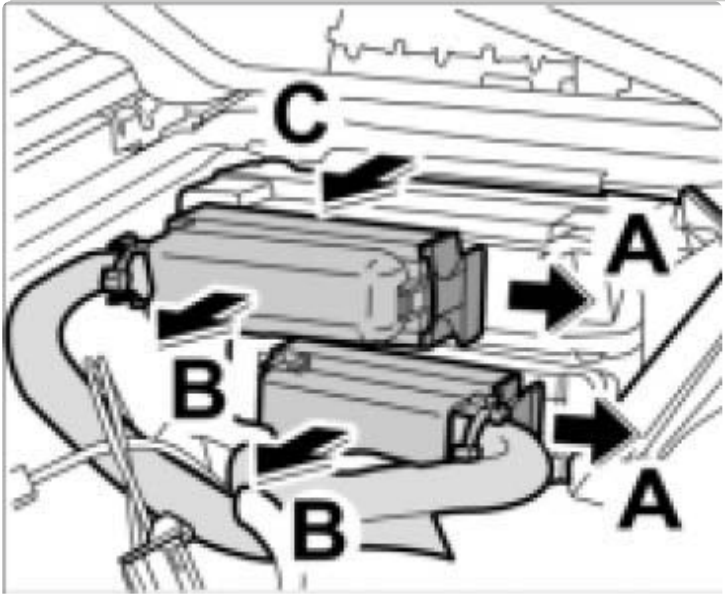
Unscrewing fastening nuts

Note:

^ Only for vehicles with telephone

4. Unscrew the three fastening nuts and remove support for telephone control unit.

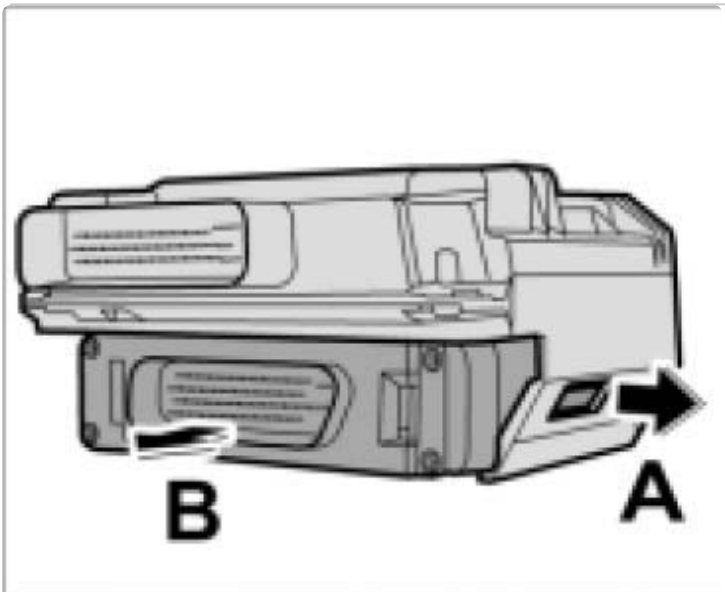
5. Move seat all the way forward and remove ignition key.



Releasing and removing connector

6. Release the two connectors -A- and remove them -B-.

7. Remove support with the two control units -C-.

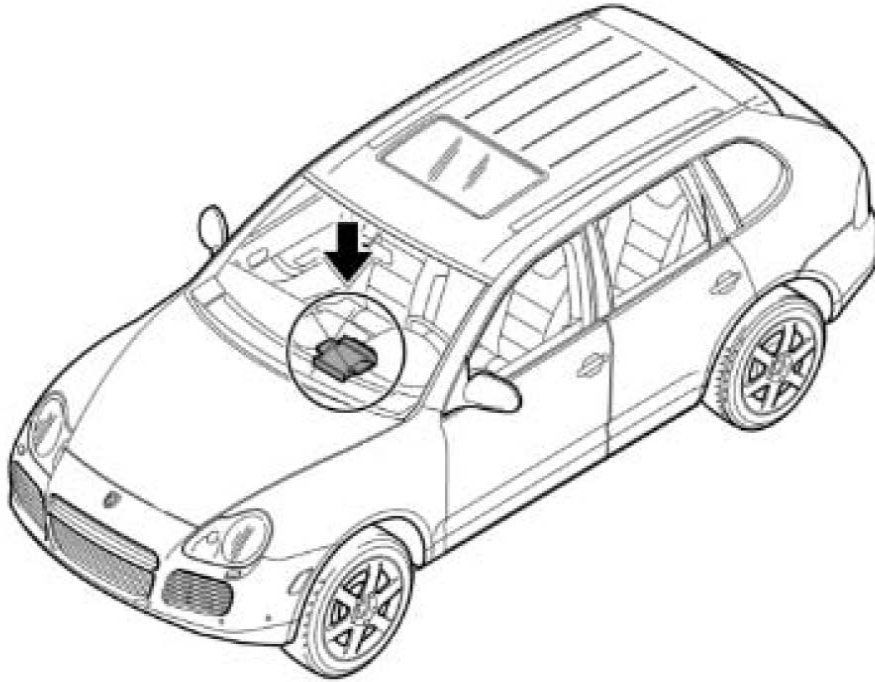


Release locking tabs and remove control unit

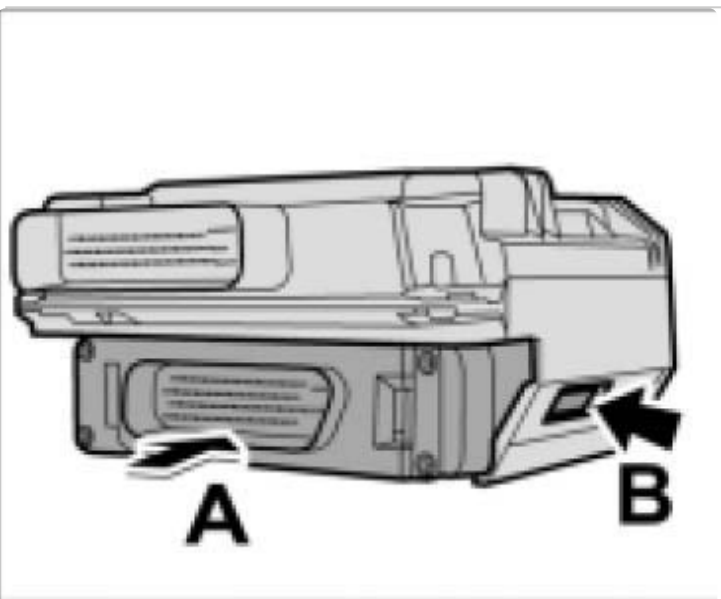
8. Release locking tabs on both sides -A- and pull out the control unit -B-.

Installing Tiptronic control unit

Installation Position

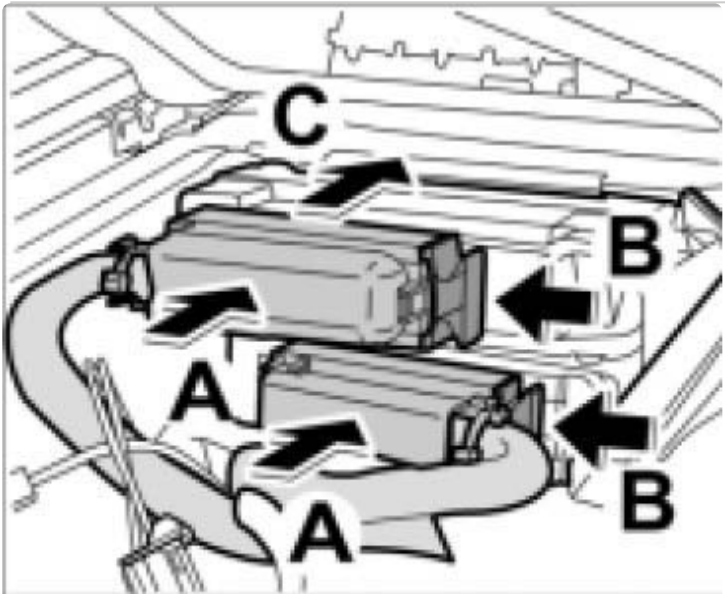


Installation position



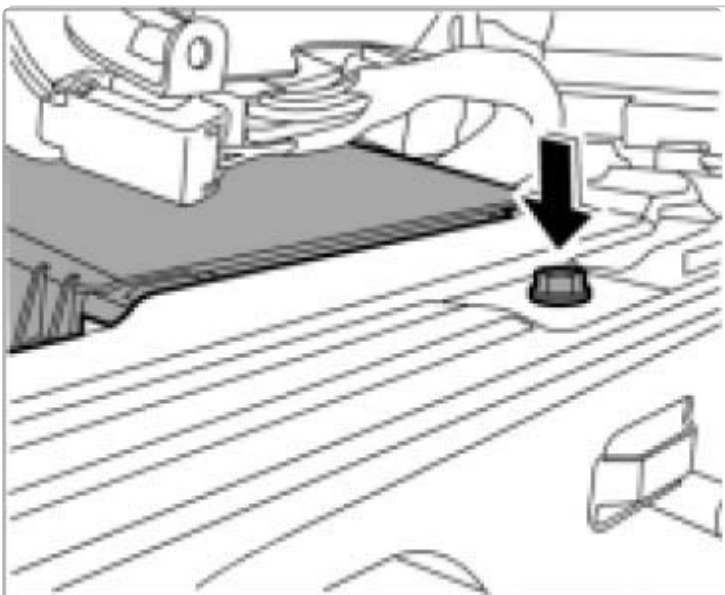
Inserting and locking control unit

1. Insert control unit into the support-A- until the locking tabs -B- are felt to engage.



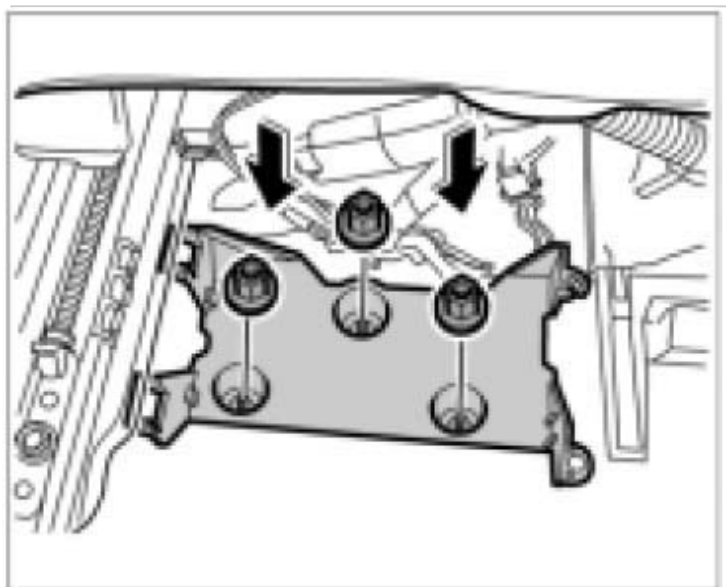
Connecting and locking the connectors

2. Connect the two connectors -A- and push in the locking mechanism -B- until it is felt to engage.
3. Place the support with the two control units in installation position -C-.



Tightening fastening screw

4. Move seat all the way back and tighten the support with the fastening screw.
5. If the Tiptronic control unit is replaced, observe the points under coding the control unit.



Tightening fastening nuts

Note:

- ^ Only for vehicles with telephone

6. Position the support for the telephone control unit and screw down using the three fastening nuts.

Coding Tiptronic control unit

Note:

- ^ The adaptation values must be reset using the PIWS Tester 9718 when the transmission is renewed/replaced.
- ^ If a new control unit is installed, it must adapt first. Poor shifting quality can therefore be expected in the adaptation phase.
- ^ After the test drive, let the engine run for **10 minutes** at idle speed. This ensures that all adaptation values are stored in the control unit.
- ^ The instructions of the PIWS Tester 9718 have highest priority.
- ^ The procedure described here has been structured generally; changes or additions may be made. It is based on Tester Software 16.0.
- ^ The PIWS Tester 9718 instructions take precedence and in the event of a discrepancy these are the instructions that must be followed. Deviations may occur with later software versions.
- ^ During coding, it is essential to guarantee the power supply for the PIWS Tester 9718. It is essential to connect a battery charger with a current rating of **at least 40 A** to the vehicle battery.
- ^ Symbol for the Tab key = .>|"

1. PIWS Tester 9718 must be connected to the vehicle, then start the Tester. Switch on ignition. >> Continue.
2. Select vehicle type using the cursor keys.

3. Using the >> key, move from the vehicle type to the list of control units. Perform the automatic control unit search.
4. Select Tiptronic 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 (codings) and press the >> key.
7. The screen of the PIWIS Tester 9718 displays the message Codings were read out >>.
8. Switch off ignition and replace Tiptronic control unit.
9. Switch on ignition.
10. After replacement of the control unit, the vehicle data is installed under the menu Write in data read out (see Section 6). Press the >> key.
11. System Tester displays Coding write-in complete. Press the >> key.
12. Exit the menu, switch off ignition, lock vehicle and read out fault memory once more.

Note:

^ If the data cannot be read out with the Porsche System Tester, the versions listed must be coded using the menu item "Codings".

Version	Coding	Note
Countries	RoW/USA Asia	Country-specific Japan, Korea, Taiwan

Subsequent work

1. For vehicles with a telephone, install the telephone control unit.
2. Clip in right front seat trim and install drawer.