

AC01 Recall campaign - Reworking locking mechanism for headlight

Vehicle Type: **Cayenne (92A)/Cayenne Diesel (92A)/Cayenne S Hybrid (92A)
Cayenne S (92A)/Cayenne Turbo (92A)**

Model Year: **As of 2011 up to 2012**

Concerns: **Headlights**

Situation: The headlights on the current Porsche Cayenne models are designed as slide-in modules, which are secured via a twist lock. This means that the headlight can be released using a socket wrench and can then be pulled forward out of the wing.

If a headlight module is not locked correctly, relative movements with respect to the wing will occur whilst driving and can cause the headlight to become detached from the wing in rare cases.

- Action Required:
- Rework locking mechanism on both headlights. Replace individual components of the headlight lock and retrofit an additional retaining spring on the headlight mounting.
 - Put Driver's Manual Supplement entitled "Headlights" in the on-board folder or give it to the customer.

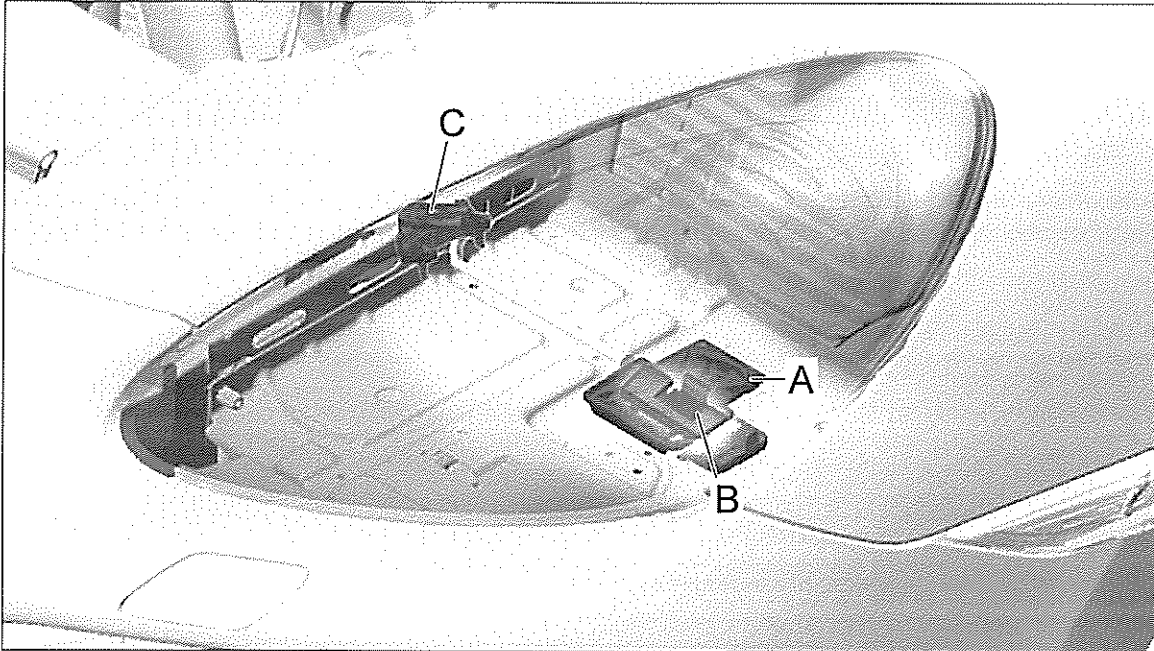
The procedure for removing and installing the headlight has changed as a result of the modified technical features of the headlight lock. The changes are described in a Driver's Manual Supplement.

You will receive the Driver's Manual Supplement from the relevant importer.

Order No.	Designation
WKD 948 7xx 12	Cayenne Driver's Manual Supplement – "Headlights"

Affected Vehicles: Only the vehicles assigned to the campaign (see also PIWIS Vehicle Information)

Part Nos.:	000.043.303.35 ⇒ Headlight repair kit	1 ea.
	comprising:	
	Locking plate ⇒ <i>Component overview -A-</i> (fitted on underside of headlight)	2 ea.
	Retaining spring ⇒ <i>Component overview -B-</i>	2 ea.
	Locking element ⇒ <i>Component overview -C-</i>	2 ea.



Component overview

Tools: Torque wrench Nr.90 Pos.1
Combination assembly wedge Nr.199
Screwdriver (small)
Scriber
Screwdriver/socket-wrench insert, Torx T30

Procedure: **Rework locking mechanism for headlights.**

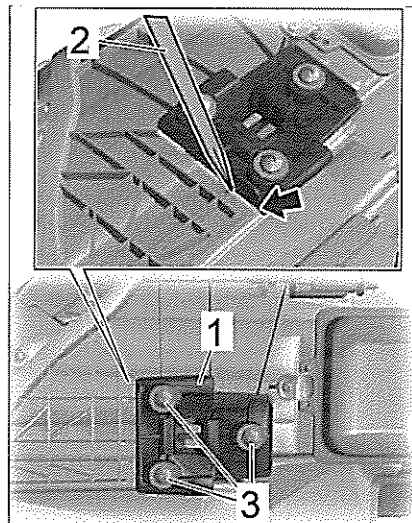
**Information**

The procedure described here must be carried out **on both headlights**.

- 1 Remove side linings in the engine compartment ⇒ *Workshop Manual '700219 Removing and installing front trim (engine compartment) - section on "Removing"*.
- 2 Remove headlight and set it down on a soft surface with the underside facing up ⇒ *Workshop Manual '941519 Removing and installing headlights - section on "Removing"*.

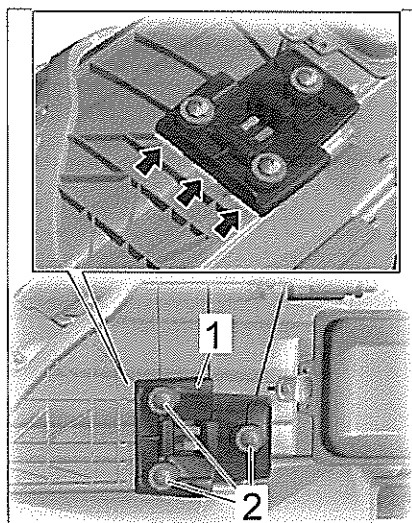
3 **Replace locking plate on the headlight.**

- 3.1 Mark the installation position of the locking plate ⇒ *Removing locking plate -1-* on the headlight in the area shown using a scriber ⇒ *Removing locking plate -2-* (⇒ *Removing locking plate -arrow-*).
- 3.2 Unscrew fastening screws on the locking plate ⇒ *Removing locking plate -3-*.
- 3.3 Remove locking plate ⇒ *Removing locking plate -1-* and dispose of it.



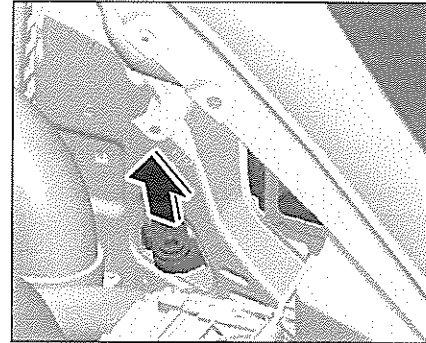
Removing locking plate

- 3.4 **Align new locking plate** from the repair kit ⇒ *Installing locking plate -1- exactly* at the marking you made earlier ⇒ *Installing locking plate -arrows-*.
- 3.5 Screw in and tighten fastening screws ⇒ *Installing locking plate -2-* for the locking plate.
Tightening torque 6 Nm (4.5 ftlb.)



Installing locking plate

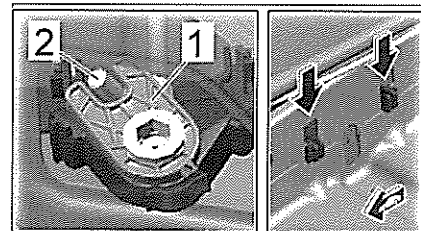
- 4 **Replace locking element for headlight.**
- 4.1 Guide the locking element up out of the mounting on the wing and remove it ⇒ *Removing locking element -arrow-*.
- 4.2 Dispose of locking element you have just removed.



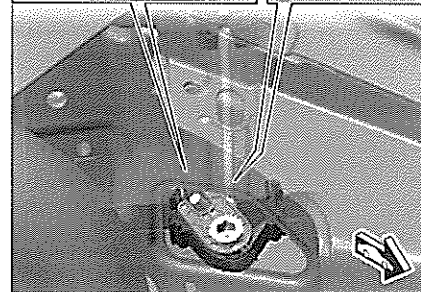
Removing locking element

- 4.3 **Install new** locking element for headlight from the repair kit.

- 4.3.1 Align the rotary latch of the locking mechanism ⇒ *Installing locking element -1-* with the linkage ⇒ *Installing locking element -2-* and position linkage in the rotary latch.



- 4.3.2 Insert the locking mechanism into the mounting on the wing and press it down as far as possible into the guide ⇒ *Installing locking element -arrows-*.



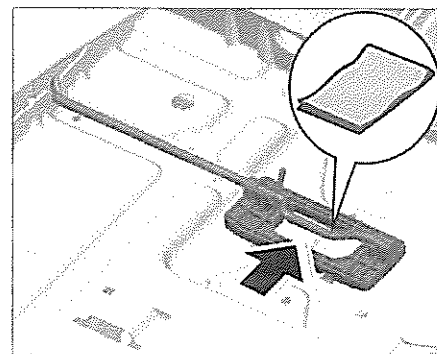
Installing locking element

**Information**

Make sure that the lugs on the locking element are **flush with the guide stop at the bottom.**

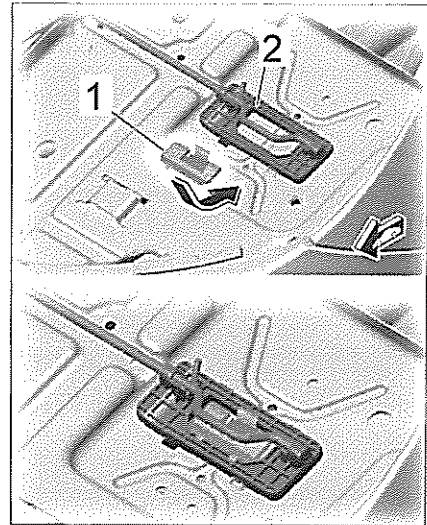
- 5 **Retrofit retaining spring on headlight mounting.**

- 5.1 Clean the contact surface for the retaining spring in the cut-out on the headlight mounting ⇒ *Cleaning contact surfaces -arrow-* using a cleaning cloth.



Cleaning contact surfaces

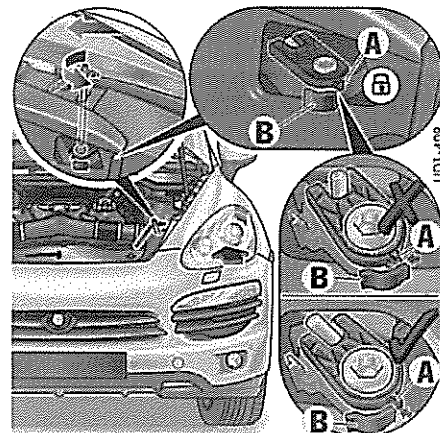
5.2 Insert retaining spring ⇒ *Installing retaining spring -1-* as shown in the illustration ⇒ *Installing retaining spring* into the cut-out on the headlight mounting ⇒ *Installing retaining spring -2-* (⇒ *Installing retaining spring -arrow-*) and press it down until the retaining spring is down fully.



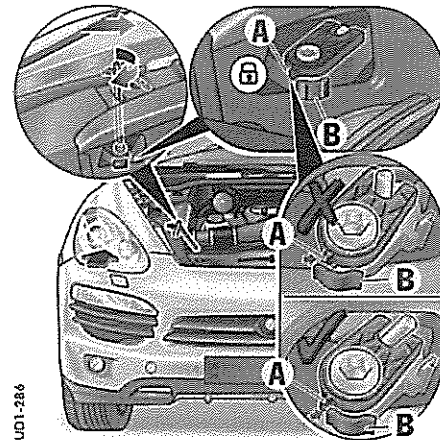
Installing retaining spring

6 Install headlight ⇒ *Workshop Manual '941519 Removing and installing headlights - section on "Installing"*.

7 Check that the headlight is locked correctly.



Locking mechanism for left headlight



Locking mechanism for right headlight

The headlight is locked correctly if the lug **-A-** of the headlight lock is outside the cover panel **-B-**.

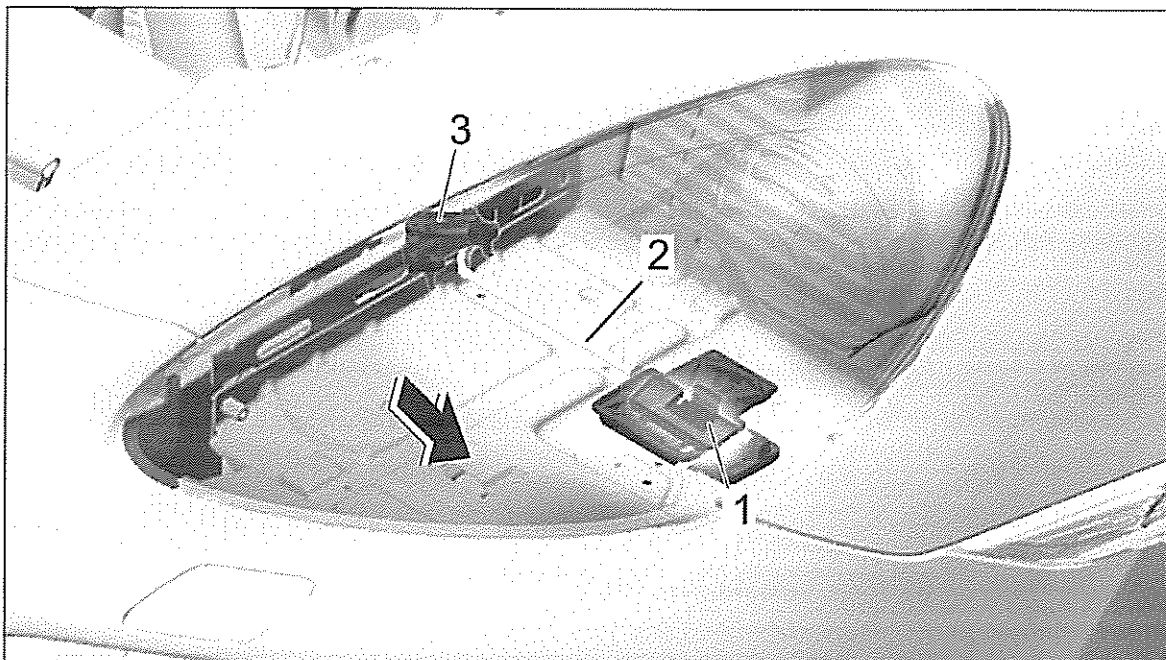
The lug must be facing forward ⇒ *Locking mechanism for left headlight* and ⇒ *Locking mechanism for right headlight* in direction of travel.



Information

If the headlight **cannot be locked fully** (lug on the headlight lock is not outside of the cover panel), proceed as follows:

- Remove the headlight again.
- Make sure that the **retaining spring** ⇒ *Headlight mounting -1-* **is pressed down fully by the locking bar** ⇒ *Headlight mounting -2-* **and is secure**. To do this, turn the socket wrench in the headlight lock ⇒ *Headlight mounting -3-* on the **left** headlight (in direction of travel) **clockwise** as far as it will go if necessary and hold it at this position. On the **right** headlight, turn the socket wrench **anti-clockwise** as far as it will go and hold it at this position.
- Guide the headlight into the mounting again, making sure that the guide on the underside of the headlight engages in the **clip** ⇒ *Headlight mounting -arrow-* on the floorpan of the wing.
- Slide the headlight **fully** into the wing so that it is **touching** the body **uniformly all the way around**.
- Hold the headlight at this position, press the **bottom** of the headlight against the body slightly if necessary and lock the headlight at the same time. To do this, turn the socket wrench in the headlight lock on the **left** headlight (in direction of travel) **anti-clockwise** as far as it will go and on the **right** headlight, turn the socket wrench **clockwise** as far as it will go to lock the headlight. The headlight lock must engage with an **audible** and **perceptible** click.
- Check that the headlight is locked correctly as described in ⇒ **Step 7**.
- If the headlight **still cannot be locked correctly**, get in touch with your contact person at your importer's Technical Competence Centre.



Headlight mounting

- 8 Check gap dimension of headlight with respect to the front apron ⇒ *Workshop Manual '5X00IN Diagram - body gap dimensions'*.



Information

If the gap is not OK, this can be a telltale sign that the guide on the underside of the headlight is not engaged in the clip on the floorpan of the wing. In this case, remove the headlight again and then re-install and lock it in accordance with the instructions above.

- 9 Install side linings in the engine compartment ⇒ *Workshop Manual '700219 Removing and installing front trim (engine compartment) - section on "Installing"*.
- 10 Put Driver's Manual Supplement in the on-board folder or give it to the customer.
Inform the customer about the modified procedure for removing and installing the headlight.
- 11 Enter the campaign in the Warranty and Maintenance booklet.

Scope:

Working Time:

Reworking locking mechanism on both headlights

Labor time: **60 TU**

Includes: Removing and installing side linings in engine compartment

Removing and installing both headlights

Replacing locking plate on both headlights

Replacing locking element for both headlights

Retrofitting retaining spring on both headlight mountings

Putting Driver's Manual Supplement in on-board folder or giving it to the customer

Parts Required:

000.043.303.35 Headlight repair kit 1 ea.

Invoicing: ⇒ Damage Code AC01 99 000, Repair Code 1

- References:
- ⇒ Workshop Manual '700219 Removing and installing front trim (engine compartment)'
 - ⇒ Workshop Manual '941519 Removing and installing headlights'
 - ⇒ Workshop Manual '5X00IN Diagram - body gap dimensions'