

Door Entry Guard, Illuminated

Revision: This bulletin replaces bulletin Group 6, #23/14, dated January 22, 2016.
Reason: Page 1 "Note" technical modification date was changed from November 2015 to Calendar week 22/2016.

Model Year: **As of 2014**

Concern: **Retrofitting**

Note: The illuminated door entry guards made of carbon-fiber composite or aluminum are installed in the front door sill areas.

Technical modification to Macan and Macan Diesel from week 22/2016:

No slots in front inner door sill trim (lower A-pillar trim panel). ⇒ Door entry guard cannot be secured.

For this reason, check the customer vehicle and order lower A-pillar trim panels if necessary (see Part Info section).



Parts Info: **95B.044.80X.XX** ⇒ Carbon-fiber composite/aluminum door entry guard with "model designation", set

For Macan and Macan Diesel vehicles manufactured from week 22/2016 (new model year), also order the following:

6

Macan (95B)
6807 ENU 23/14

Installation and Conversion Instructions

- 95B.863.483.B FFF¹** 1 x A-pillar trim panels, lower left
- 95B.863.484.B FFF¹** 1 x A-pillar trim panels, lower right

¹ For color code, see Porsche Electronic Parts Catalog, Macan, illustration 807-22.

Parts List: Macan Turbo as an example.



Figure 2

- 1 x Carbon-fiber composite door entry guard, left, illuminated ⇒ *Figure 2-1-*
- 1 x Carbon-fiber composite door entry guard, right, illuminated ⇒ *Figure 2-2-*
- ² 1 x Carbon-fiber composite lock carrier trim, rear right (not shown)
- ² 1 x Carbon-fiber composite lock carrier trim, rear left (not shown)
- 1 x Aluminum door entry guard, left, illuminated ⇒ *Figure 2-3-*
- 1 x Aluminum door entry guard, right, illuminated ⇒ *Figure 2-4-*
- 1 x Wire harness ⇒ *Figure 2-5-*
- 20 x Tie-wrap (not shown)

² Only contained in carbon-fiber composite illuminated door entry guard set.

Materials: ---- Cleaning agent (commercially available)

Tools: **9818 - PIWIS Tester II**

Work Procedure: 1 Preparatory work.

- 1.1 Remove front inner door sill trim at the left and right. ⇒ *Workshop Manual '680519 Removing and installing front inner door sill trim'*
- 1.2 Remove upper part of B-pillar trim panel at the left and right. ⇒ *Workshop Manual '706719 Removing and installing upper part of B-pillar trim panel'*
- 1.3 Remove lower part of B-pillar trim panel at the left and right. ⇒ *Workshop Manual '706719 Removing and installing lower part of B-pillar trim panel'*
- 1.4 Remove rear seat. ⇒ *Workshop Manual '724819 Removing and installing rear seat'*
- 1.5 Remove rear right backrest. ⇒ *Workshop Manual '724719 Removing and installing rear backrest'*
- 1.6 Remove cover for rear lock support. ⇒ *Workshop Manual '703919 Removing and installing cover for rear lock support'*
- 1.7 Remove side trim panel for rear luggage compartment at the right. ⇒ *Workshop Manual '700319 Removing and installing side trim panel for rear luggage compartment'*

1.8 **Only** for vehicles with rear seat airbag:

- 1.8.1 Disconnect the battery. ⇒ *Workshop Manual '270619 Removing and installing battery'*
- 1.8.2 Remove rear right seat airbag. ⇒ *Workshop Manual '696419 Removing and installing rear seat airbag'*

- 1.9 Remove rear inner door sill trim at the right ⇒ *Figure 3-1-*. ⇒ *Workshop Manual '680519 Removing and installing rear inner door sill trim'*

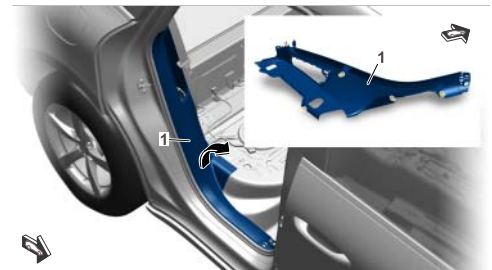


Figure 3

- 1.10 Unclip rear inner door sill trim at the left ⇒ *Figure 4-1-* in the front area from the body ⇒ *Figure 4-arrow a-*.

Lift carpet in front of the rear seat ⇒ *Figure 4-2-* (⇒ *Figure 4-b-*) and expose cable duct ⇒ *Figure 4-3-*.

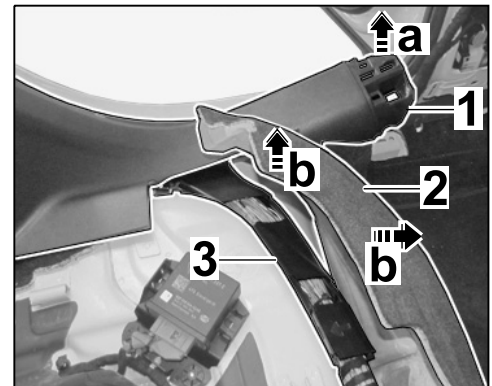


Figure 4

- 2 Install electric wire harness.
 - 2.1 Secure electric wire harness (end of line without pin connector socket) to auxiliary line.

**Information**

Removing the pin connector socket makes it easier to guide the wire harness through the cable duct.

- 2.2 Press out pin contact of YE/GY line at the shorter end of the wire harness.
- 2.2.1 Insert a screwdriver in between the secondary lock ⇒ *Figure 5-1*- and pin connector socket ⇒ *Figure 5 -arrow-* and open the secondary lock ⇒ *Figure 5 -arrow a-*.
- 2.2.2 Release pin contact using press-out tool ⇒ *Figure 5 -arrow b-* and pull out YE/GY line ⇒ *Figure 5-2*- (⇒ *Figure 5 -arrow c-*).
- 2.2.3 To protect the pin contact, secure the YE/GY line that you pressed out to the wire harness using wrapping tape.

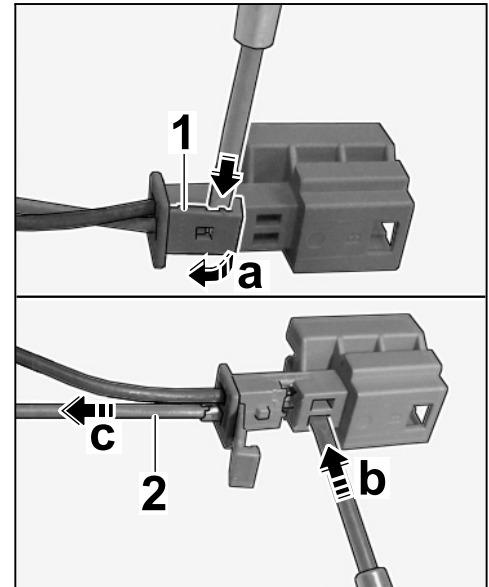


Figure 5

- 2.3 Route electric wire harness as follows:
Left A-pillar → main wire harness in passenger compartment at the left → cable duct in front of rear seat → main wire harness in passenger compartment at the right → left A-pillar → wire harness in luggage compartment at the right → rear-end electronics control unit

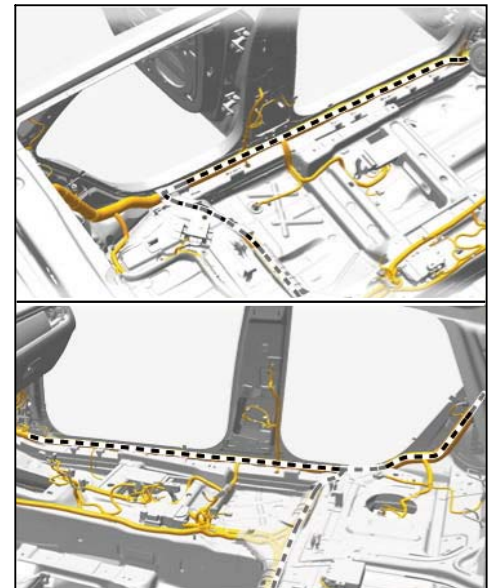


Figure 6

- 2.3.1 Push pin connector socket ⇒ *Figure 7-1*- onto the upper guide ⇒ *Figure 7-3*- at the connection point holder ⇒ *Figure 7-2*- (⇒ *Figure 11* -**arrow**-).

Secure cable ring eyelet to ground pin 21 ⇒ *Figure 7-4*-.

Tightening torque 9 Nm (6.5 ftlb.)

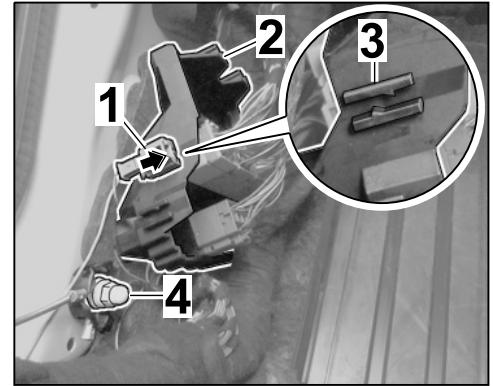


Figure 7

- 2.3.2 Open rear left cable duct ⇒ *Figure 8* -**arrow**-.

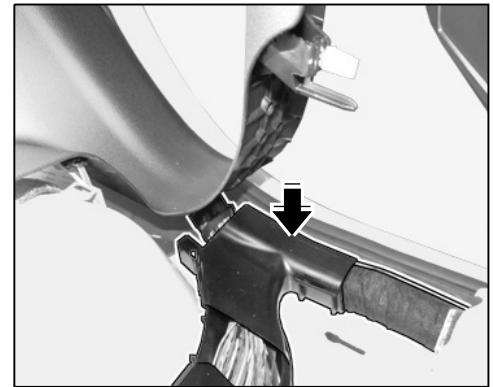


Figure 8

- 2.3.3 Route electric wire harness ⇒ *Figure 9-1*- along the main wire harness in the passenger compartment at the left ⇒ *Figure 9-2*- through the cable duct ⇒ *Figure 9-3*- in front of the rear seat to the right-hand side of the vehicle.

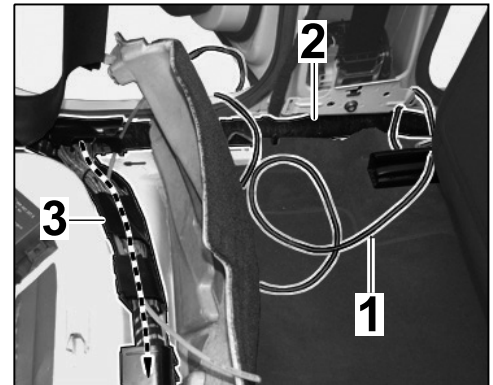


Figure 9

- 2.3.4 Close rear left cable duct ⇒ *Figure 10* -**arrow**-.

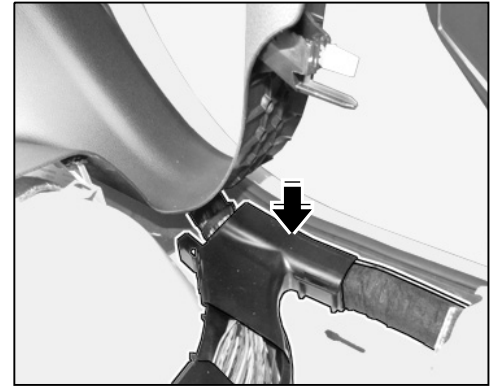


Figure 10

- 2.3.5 Route electric wire harness (YE/GY line) along the main wire harness in the passenger compartment to the right A-pillar.

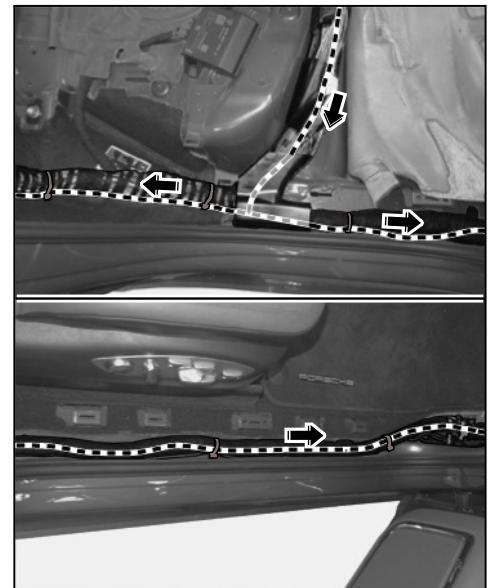


Figure 11

- 2.3.6 Insert pin contact of the YE/GY line ⇒ *Figure 12* -**1**- into the pin connector socket ⇒ *Figure 12* -**arrow a**-.
Close secondary lock ⇒ *Figure 12* -**2**- (⇒ *Figure 12* -**arrow b**-).

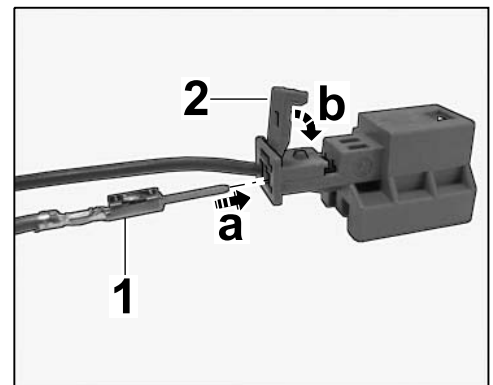


Figure 12

- 2.3.7 Push pin connector socket ⇒ *Figure 13-1-* onto the upper guide ⇒ *Figure 13-2-* at the connection point holder.

Secure cable ring eyelet to ground pin 22 ⇒ *Figure 13-3-*.

Tightening torque 9 Nm (6.5 ftlb.)

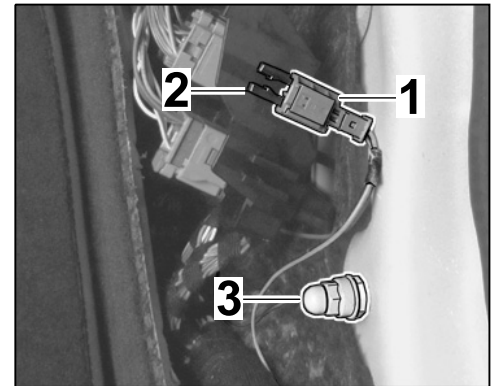


Figure 13

- 2.3.8 Route electric wire harness ⇒ *Figure 14-1-* (YE/GY line) along the wire harness in the luggage compartment at the right to the rear-end electronics control unit ⇒ *Figure 14-2-*.

- 2.4 Connect YE/GY line to the rear-end electronics control unit.

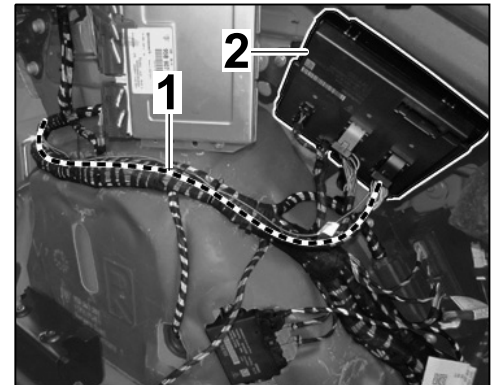


Figure 14

- 2.4.1 Disconnect electric plug connection ⇒ *Figure 15-1-* from the rear-end electronics control unit. ⇒ *Workshop Manual '578919 Removing and installing control unit for rear-end electronics'*

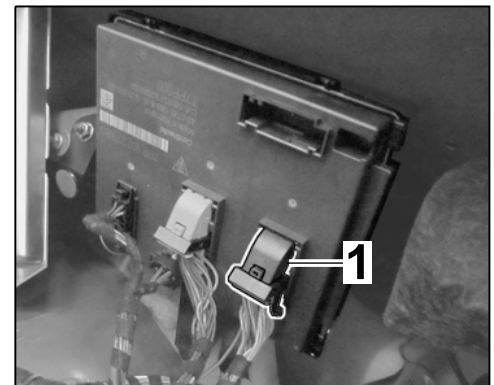


Figure 15

- 2.4.2 Open the locking mechanism ⇒ *Figure 16 -arrow-* and slide the grey plug socket ⇒ *Figure 16-1-* out of the black plug carrier ⇒ *Figure 16-2-*.

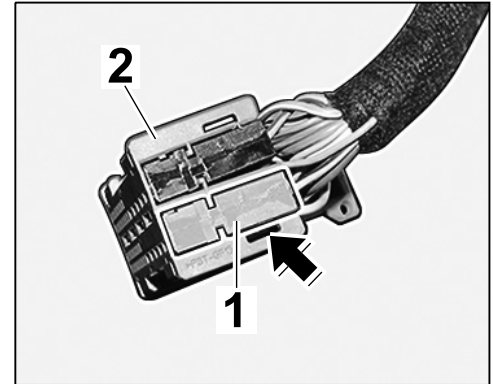


Figure 16

**Information**

Ensure socket contact is seated securely.

- 2.4.3 Insert socket contact ⇒ *Figure 17 -arrow-* into chamber 8 of the grey plug socket.
- 2.4.4 Slide grey plug socket into the plug carrier until the locking mechanism engages.

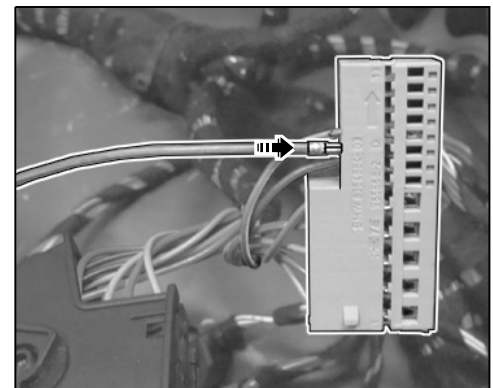


Figure 17

- 2.4.5 Connect electric plug connection ⇒ *Figure 18 -arrow-* to the rear-end electronics control unit.
⇒ *Workshop Manual '578919 Removing and installing control unit for rear-end electronics'*
- 2.5 Secure electric wire harness to the standard wire harness with a tie-wrap.

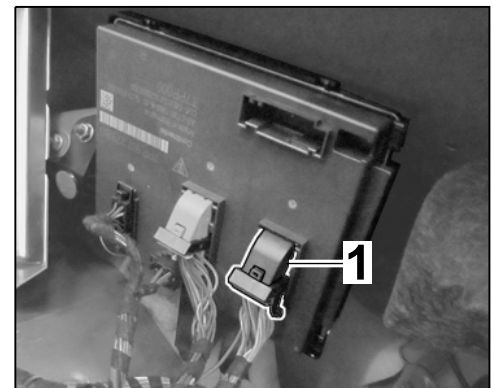


Figure 18

**Information**

Some of the repair illustrations show only one side of the vehicle. Naturally, some steps also have to be performed on the opposite side of the vehicle as well. These must be carried out as a mirror image of the steps shown.

3 Install illuminated door entry guard in the inner door sill trim.

3.1 Remove standard door entry guard.

3.1.1 Bend up tabs \Rightarrow *Figure 19-1-*.

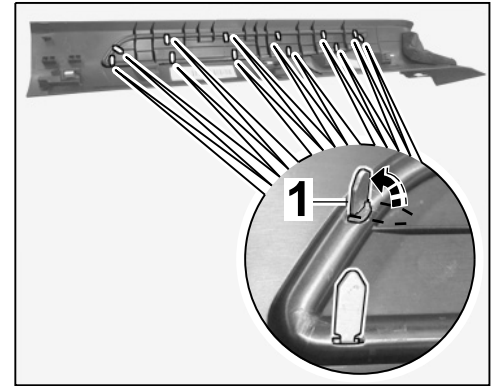


Figure 19

3.1.2 Carefully lever off the standard door entry guard \Rightarrow *Figure 20-2-* using a plastic wedge \Rightarrow *Figure 20-1-* and remove it from the inner door sill trim \Rightarrow *Figure 20-3-*.

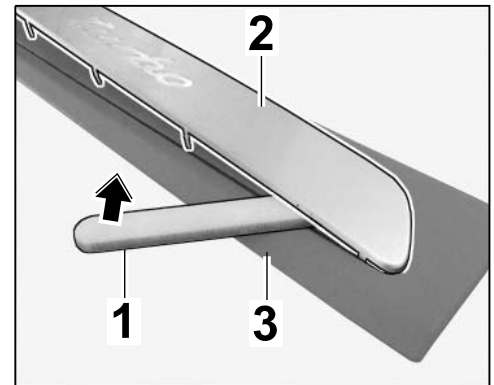


Figure 20

3.2 Drill cable hole ($\varnothing = 18$ mm) in the inner door sill trim.

- x** – 426 mm
- y** – 40 mm
- d** – $\varnothing 18$ mm

3.2.1 Mark point of intersection \Rightarrow *Figure 21-S-* of dimensions x and y on the inner door sill trim.

3.2.2 Drill a bore hole with a diameter of 18 mm.

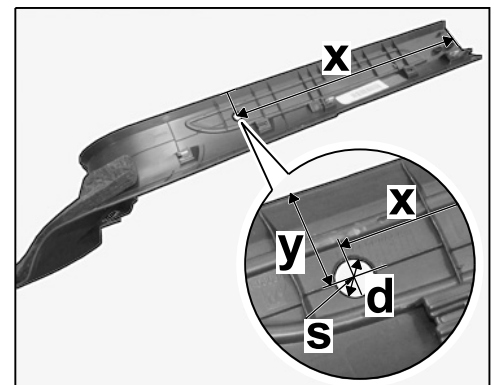


Figure 21

3.3 Install illuminated door entry guard in the inner door sill trim.

- 3.3.1 Pull protective film ⇒ *Figure 22-1-* off the door entry guard.

Guide connector and line (flat conductor path) ⇒ *Figure 22-1-* through the bore hole.



Information

When installing the door entry guard, make sure that the sharp-edged tabs do not damaged the surface of the door sill trim.

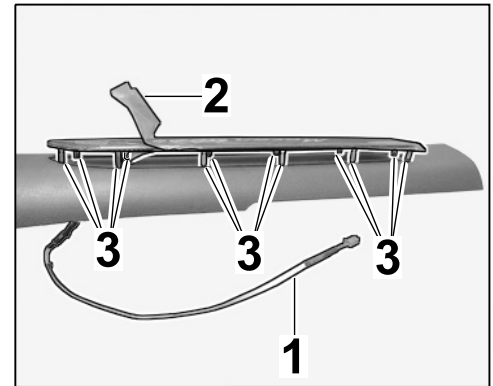


Figure 22

Position illuminated door entry guard over the inner door sill trim.

Carefully guide tabs ⇒ *Figure 22-3-* on the illuminated door entry guard into installation position on the inner door sill trim.

- 3.3.2 Press illuminated door entry guard and inner door sill trim together and bend over the tabs ⇒ *Figure 23-1-*.

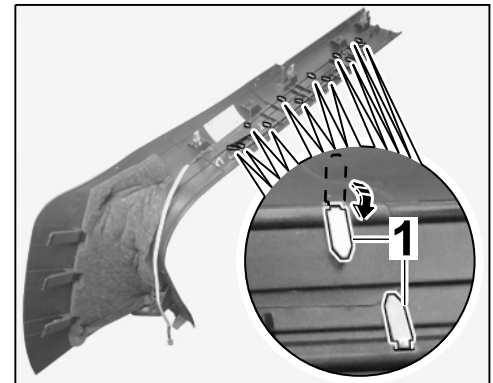


Figure 23

- 3.3.3 Clean the bonding areas for the flat conductor path ⇒ *Figure 24-shaded area-* on the underside of the inner door sill trim using isopropanol to remove any grease and dust.

Pull protective film ⇒ *Figure 24-1-* off the flat conductor path ⇒ *Figure 24-2-*.

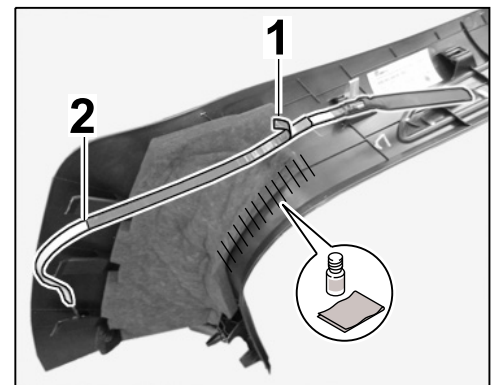


Figure 24

Lift up insulating material ⇒ *Figure 25-2-* and affix flat conductor path ⇒ *Figure 25-1-* to the inner door sill trim.

- 4 Install trims for carbon-fiber composite lock carriers.

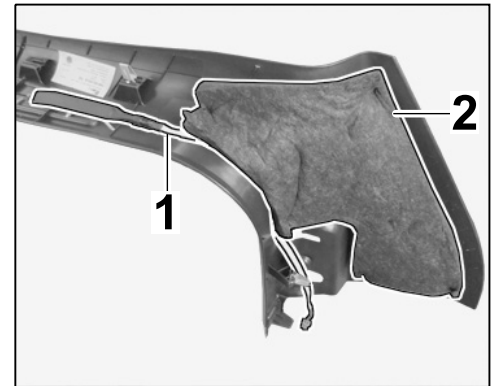


Figure 25

- 4.1 Remove insulating material ⇒ *Figure 26-1-* from the lock support cover ⇒ *Figure 26-2-*.

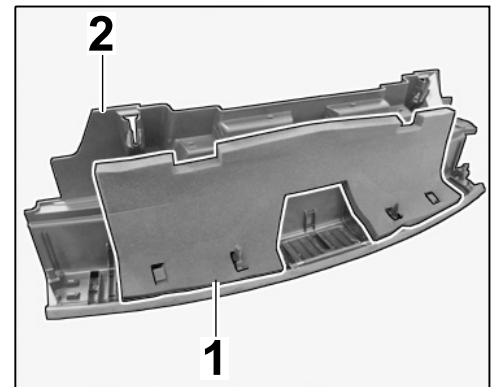


Figure 26

- 4.2 Insert a wedge between the trim ⇒ *Figure 27-1-* and lock support cover ⇒ *Figure 27-2-* and lever off the trim.

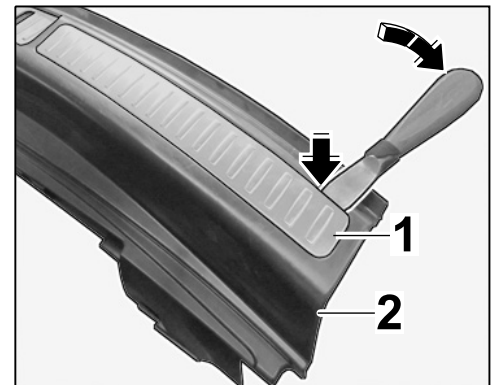


Figure 27

- 4.3 Install trim ⇒ *Figure 28-1-* in lock support cover ⇒ *Figure 28-2-*.
- 4.3.1 Remove protective film on both sides.
- 4.3.2 First position the guide pin on the right ⇒ *Figure 28-3-* into the hole ⇒ *Figure 28 -arrow a-* and then insert the trim into the slot.
- Press the trim and lock support cover together firmly.

5 Concluding work.

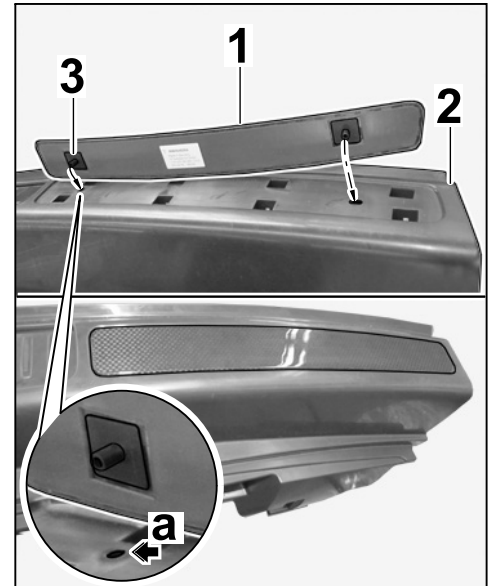


Figure 28

- 5.1 Re-fit carpet in front of the rear seat ⇒ *Figure 29-2-*.
- Clip rear inner door sill trim at the left ⇒ *Figure 29-1-* in the front area into the body.

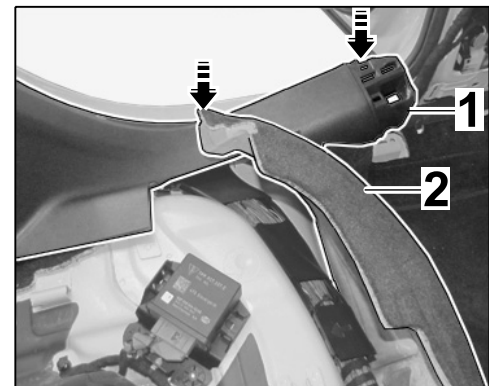


Figure 29

- 5.2 Install rear inner door sill trim at the right. ⇒ *Workshop Manual '680519 Removing and installing rear inner door sill trim'*
- 5.3 **Only** for vehicles with rear seat airbag:
- 5.3.1 Install rear right seat airbag. ⇒ *Workshop Manual '696419 Removing and installing rear seat airbag'*
- 5.3.2 Connect the battery. ⇒ *Workshop Manual '270619 Removing and installing battery'*

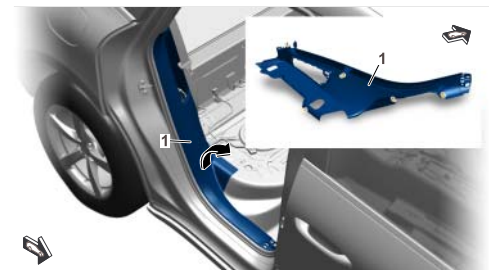


Figure 30

- 5.4 Install side trim panel for rear luggage compartment at the right. ⇒ *Workshop Manual '700319 Removing and installing side trim panel for rear luggage compartment'*
- 5.5 Install cover for rear lock support. ⇒ *Workshop Manual '703919 Removing and installing cover for rear lock support'*
- 5.6 Install rear right backrest. ⇒ *Workshop Manual '724719 Removing and installing rear backrest'*
- 5.7 Install rear seat. ⇒ *Workshop Manual '724819 Removing and installing rear seat'*
- 5.8 Install lower part of B-pillar trim panel at the left and right. ⇒ *Workshop Manual '706719 Removing and installing lower part of B-pillar trim panel'*
- 5.9 Install upper part of B-pillar trim panel at the left and right. ⇒ *Workshop Manual '706719 Removing and installing upper part of B-pillar trim panel'*
- 5.10 Install front inner door sill trim at the left and right. ⇒ *Workshop Manual '680519 Removing and installing inner door sill trim'*



Information

Lines can be interchanged during installation!

- 5.10.1 Check that the YE/GN line from the wire harness ⇒ *Figure 31-1-* and the RD line from the door sill trim ⇒ *Figure 31-2-* are inserted into the same chamber. Replace RD line with BN ground line if necessary.

- A** – Inserted incorrectly
- B** – Inserted correctly

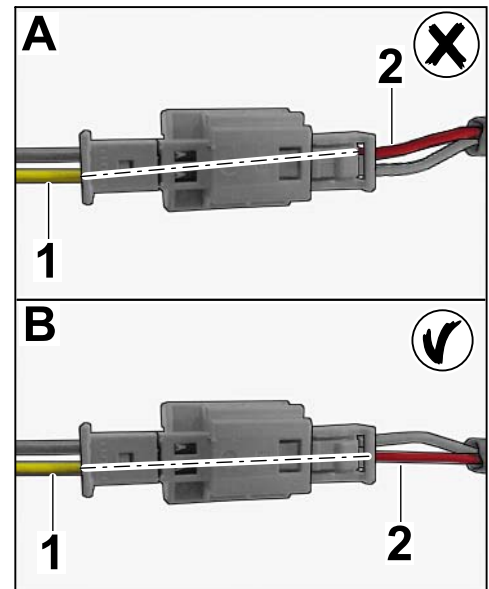


Figure 31

- 5.10.2 Connect plug connection ⇒ *Figure 32 -arrow-*.
- 5.10.3 Carry out the remaining tasks for installing inner door sill trims. ⇒ *Workshop Manual '680519 Removing and installing inner door sill trim'*

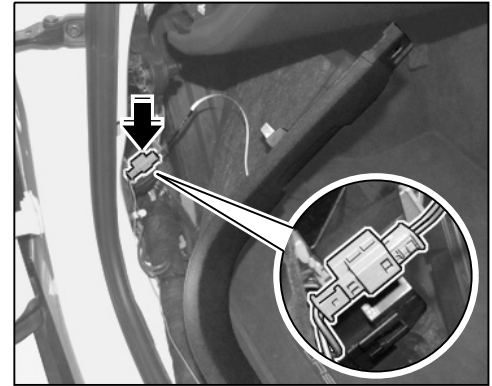


Figure 32

NOTICE**Voltage drop**

- Risk of irreparable damage to control unit
 - Risk of damage to control unit
 - Fault entries in the control unit
 - Coding in the control unit is aborted
 - Malfunctions in control unit, even during programming
- ⇒ Prior to disconnecting the control unit, switch off the ignition and remove the ignition key.
- ⇒ Ensure that the power supply is not interrupted during programming.
- ⇒ Connect battery charger/power supply suitable for AGM Type batteries, recommended current rating of 70A fixed voltage 13.5V to 14.5V.

**Information**

The **9818 - PIWIS Tester 2** instructions take precedence since the description may be different with later Tester releases.

The procedure described here has been structured in general terms; different text or additions may appear on the **9818 - PIWIS Tester 2**.

- 6 Code illuminated door entry guards.
- 6.1 Connect a battery charger. ⇒ *Workshop Manual '2X00IN Battery trickle charging'*
- 6.2 **9818 - PIWIS Tester II** must now be connected and the ignition switched on.
- 6.3 Select the required vehicle type. PIWIS Tester Diagnostics starts.
- 6.4 Maintenance of vehicle data

- 6.4.1 **Additional menu** must now be selected by pressing •F7" . Press •F11" to confirm the question "Create vehicle analysis log (VAL)?".
- 6.4.2 Select the **Maintenance of vehicle data** function. Press •F12" until **PR numbers** appears in the Value group column.
- 6.4.3 Select **Door entry guards** in the Family column.
- 6.4.4 Open the sub-menu in the Value column and select **7M7 – Door entry guard in stainless steel, illuminated or 7M8 – Door entry guard in carbon, illuminated**. Press •F12" to continue.
- 6.4.5 A table containing the values to be changed appears.
Save the values by pressing •F8" .
Wait until the message **Generation of vehicle data is complete.....** appears.
- 6.4.6 Press •F12" to switch to Report management. Open the log by pressing •F10" and check that vehicle equipment **Door entry guard in stainless steel, illuminated - 7M7** or **Door entry guard in carbon, illuminated - 7M8** is displayed.
Close the log.
- 6.5 Adapt coding.
 - 6.5.1 Switch to the **Overview** menu.
Press •F11" to return to the list of control units.
Select all control units by pressing •Ctrl A" . Press •F12" to continue.
 - 6.5.2 Switch to the **Codings/adaptations** menu. Press •F12" to continue.
Select **Automatic coding** mode. Press •F12" to continue.
 - 6.5.3 Wait until the message **Coding has been completed successfully** appears.
Press •F12" to continue.
- 6.6 Read out the fault memories of all systems, work through any existing faults and erase the fault memories. ⇒ *Workshop Manual '0335IN Diagnostic maintenance: diagnostic system and maintenance inter...'*
- 6.7 Disconnect the battery charger. ⇒ *Workshop Manual '2X00IN Battery trickle charging'*
- 6.8 Carry out a function test.

6

Macan (95B)
6807 ENU 23/14

Installation and Conversion Instructions

68072340: Installing illuminated door entry guards Labor time: **290 TU**
Includes: Installing electric wire harness, removing and installing cover strips.

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