

Door Entry Guard, Illuminated

Model Year: **As of 2017**

Information: **Retrofitting**

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



Parts Info: **981.044.800.XX¹**

⇒ Carbon/stainless-steel door entry guard with “model designation”, set

¹ See Porsche Electronic Parts Catalog – PET.

Parts List:

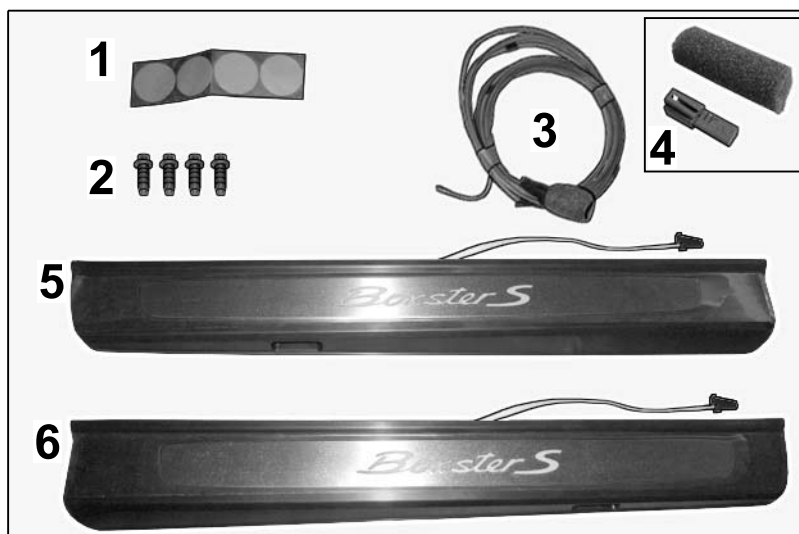


Figure 2

— — — —	4 x	Adhesive pads ⇒ Figure 2 -1-
999.141.047.01	4 x	Torx screw, M10 x 28 (for securing seat) ⇒ Figure 2 -2-
— — — —	1 x	Wire harness ⇒ Figure 2 -3-
— — — —	1 x	Plug socket with anti-rattle element ⇒ Figure 2 -4-
— — — —	1 x	Door entry guard, right ⇒ Figure 2 -5-
— — — —	1 x	Door entry guard, left ⇒ Figure 2 -6-
— — — —	15 x	Tie-wrap (not shown)

Materials:	— — — —	— — — —	Cleaning agent (commercially available)
	— — — —	— — — —	Wrapping tape/insulating tape

Tools: **9818 - PIWIS Tester II**

Work Procedure: 1 Preparatory work.

- 1.1 Connect a battery charger. ⇒ *Workshop Manual '2X00IN Battery trickle charging'*
- 1.2 Remove inner door sill trim on the left and right. ⇒ *Workshop Manual '680519 Removing and installing inner door sill trim'*
- 1.3 Remove left front seat. ⇒ *Workshop Manual '720119 Removing and installing front seat'*
- 1.4 Cut the carpet along the perforation using a carpet knife and fold it up.
- 1.5 Remove rear-end electronics control unit. ⇒ *Workshop Manual '578919 Removing and installing control unit for rear-end electronics'*

- 1.6 Remove cover strip (door entry guard) on the inner left and right. ⇒ *Workshop Manual '680719 Removing and installing cover strip'*
- 1.7 Remove front side-section trim panel on the left and right. ⇒ *Workshop Manual '702419 Removing and installing front side-section trim panel'*
- 1.8 Remove cover (cold air bulkhead). ⇒ *Workshop Manual '702219 Removing and installing cover (cold air bulkhead)'*
- 1.9 Unclip carpet on the driver's side and passenger's side ⇒ *Figure 3 -2-* from the holder ⇒ *Figure 3 -3-*.

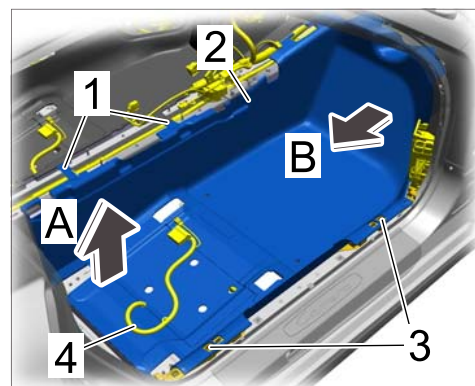


Figure 3

- 1.10 Unscrew screws ⇒ *Figure 4 -2-* from the door sill support ⇒ *Figure 4 -1-* on the left and right.

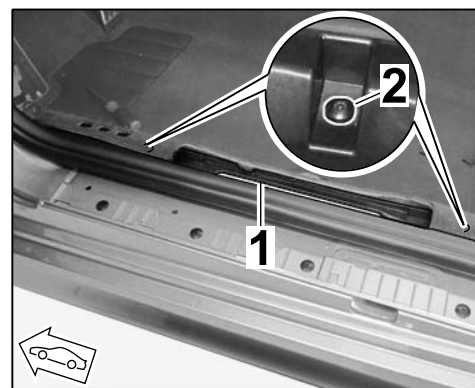


Figure 4

- 1.11 Screw off fastening nut ⇒ *Figure 5 -2-* on the wire harness cover ⇒ *Figure 5 -3-* at the right.
- 2 Install electric wire harness.
 - 2.1 Secure electric wire harness (end of line without plug socket) to auxiliary line.
 - 2.2 Route electric wire harness as follows:
Rear-end electronics control unit position → main wire harness in passenger compartment at the left → along main wire harness to firewall → main wire harness in passenger compartment at the right
 - 2.2.1 Route electric wire harness from rear-end electronics control unit position, along main wire harness in passenger compartment at the left ⇒ *Figure 6 -1-*.

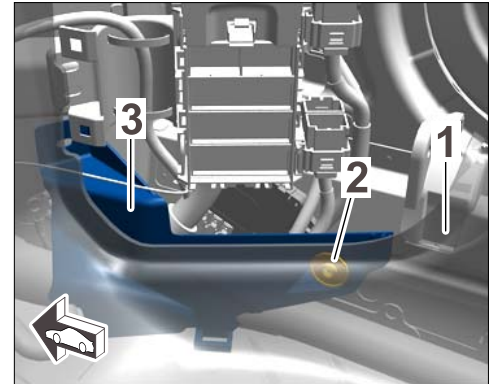


Figure 5

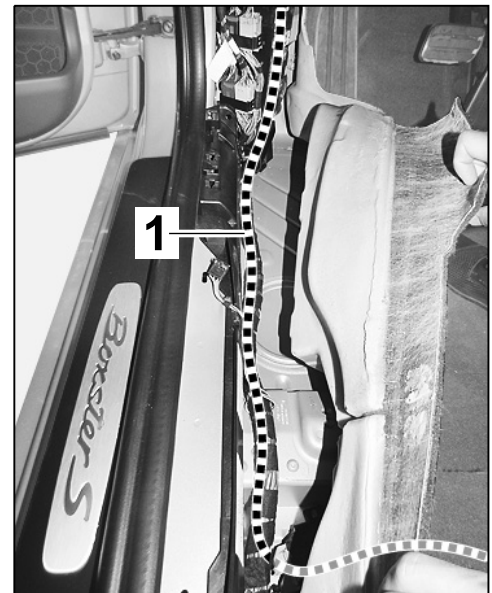


Figure 6

- 2.2.2 Route electric wire harness ⇒
Figure 7 -1- through the wiring duct
⇒ *Figure 7 -2-*.

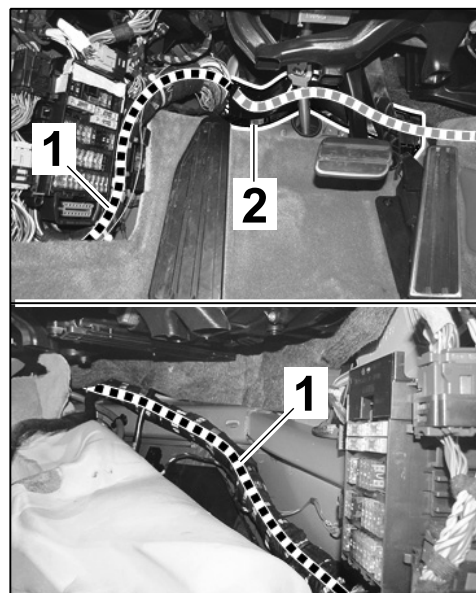


Figure 7

- 2.2.3 Route electric wire harness ⇒
Figure 8 -1- along the standard
main wire harness in the passenger
compartment at the right.
- 2.3 Assemble electric wire harness at the right.
- 2.3.1 Remove auxiliary line from electric
wire harness.

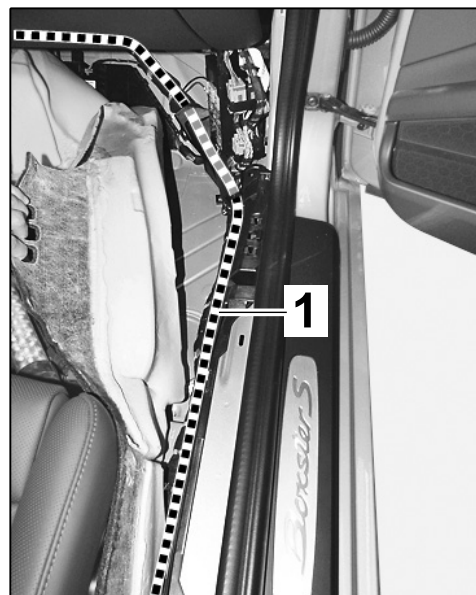


Figure 8

- 2.3.2 Insert a screwdriver in between the plug socket $\Rightarrow$ Figure 9 -1- and secondary lock $\Rightarrow$ Figure 9 -2- ($\Rightarrow$ Figure 9 -arrow a-) and release secondary lock $\Rightarrow$ Figure 9 -arrow b-.

Remove secondary lock.

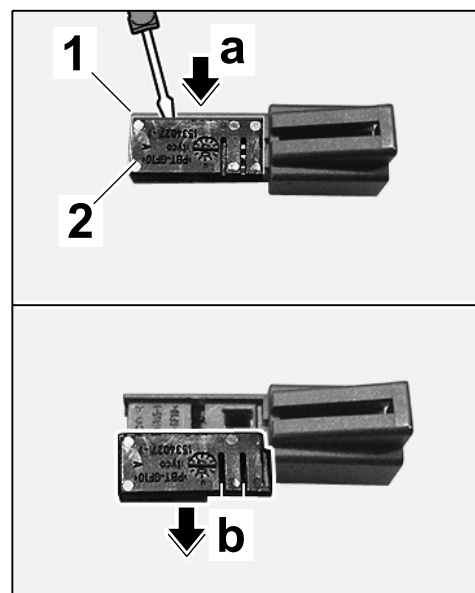


Figure 9



Information

Ensure socket contact is seated securely.

- 2.3.3 Insert socket contact of BN line $\Rightarrow$ Figure 10 -2- into chamber 2.
Insert socket contact of GY/YE line $\Rightarrow$ Figure 10 -1- into chamber 1.

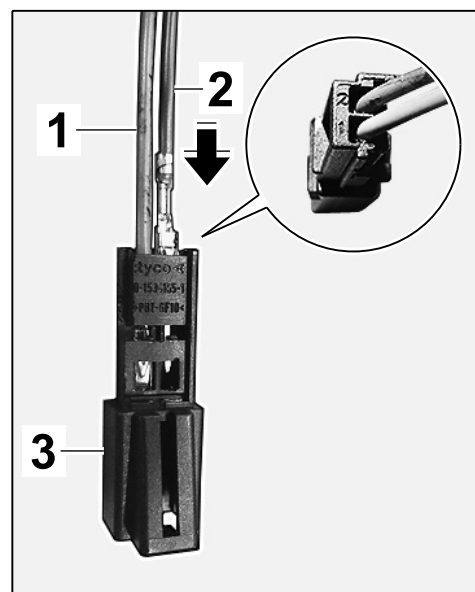


Figure 10

- 2.3.4 Fit secondary lock and lock it ⇒ *Figure 11 -arrow-*.

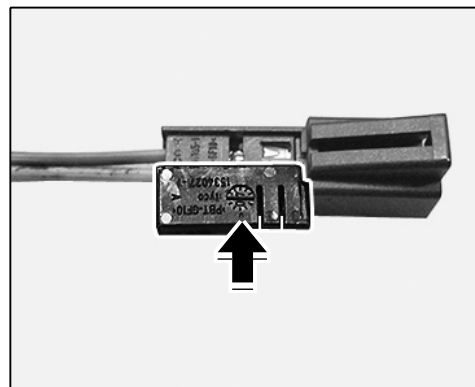


Figure 11

- 2.3.5 Secure anti-rattle element ⇒ *Figure 12 -1-* to the wire harness ⇒ *Figure 12 -2-* with wrapping tape/insulating tape.

- 2.4 Connect RD line to rear-end electronics control unit.

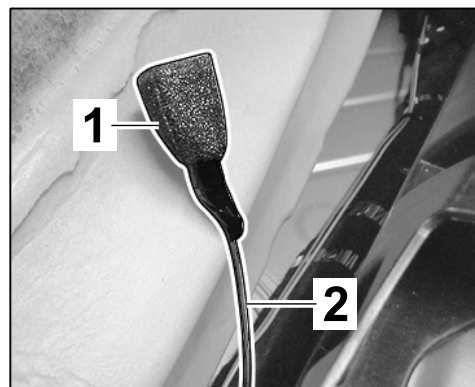


Figure 12

- 2.4.1 Open locking mechanisms ⇒ *Figure 13 -1-* and slide both plug sockets ⇒ *Figure 13 -arrows-* out of the blue plug carrier.

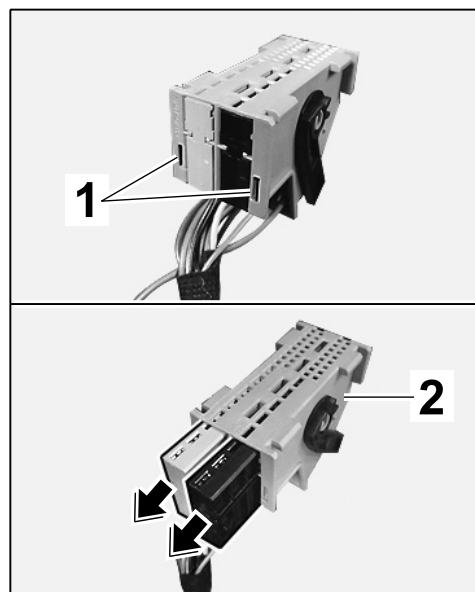


Figure 13

**Information**

Ensure socket contact is seated securely.

- 2.4.2 Insert socket contact $\Rightarrow$ *Figure 14 -1-* into chamber A37 of the black plug socket.
- 2.4.3 Slide both plug sockets into the plug carrier until the locking mechanisms engage.

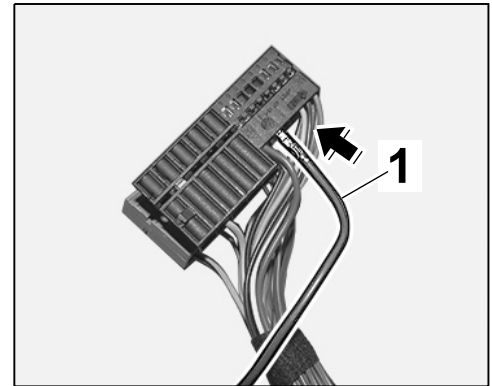


Figure 14

- 2.5 Connect cable ring eyelet (BN ground strap) to ground point MB 6 $\Rightarrow$ *Figure 15 -arrow-*. **Tightening torque 9 Nm (6.5ftlb.)**
- 2.6 Secure electric wire harness to the standard wire harness with a tie-wrap.

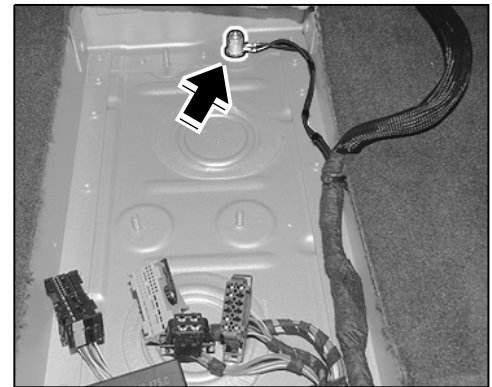


Figure 15

**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 guards on the inner left and right.
 - 3.1 Pull rubber door seal (piping) out of the body close to the cover strip.
 - 3.2 Install illuminated door entry guard (cover strip). $\Rightarrow$ *Workshop Manual '680719 Removing and installing cover strip'*

- 3.3 To protect the flat conductor path on the body flange ⇒ *Figure 16 -1-*, stick wrapping tape/insulating tape ⇒ *Figure 16 -arrow-* around the body flange.

2 – Illuminated door entry guard (cover strip)

3 – Flat conductor path

- 3.4 Secure flat conductor path (left side).

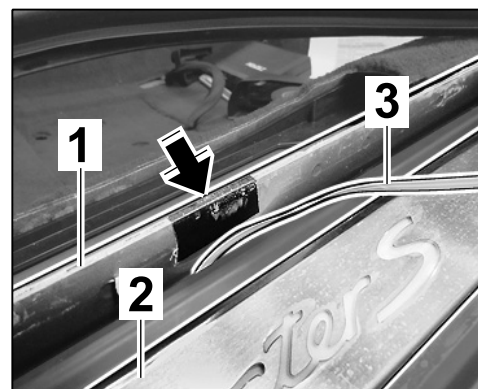


Figure 16

- 3.4.1 Route flat conductor path ⇒ *Figure 17 -1-* behind the door sill support ⇒ *Figure 17 -2-* (shown on the 911).

- 3.4.2 Connect plug connection ⇒ *Figure 17 -3-*.

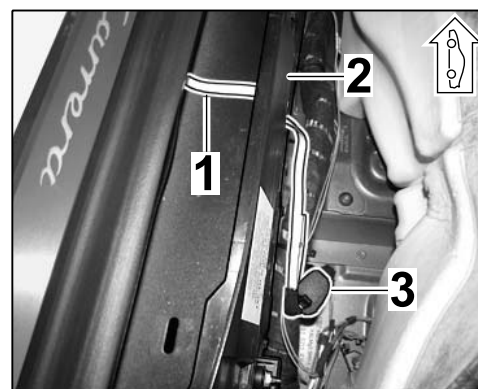


Figure 17

- 3.4.3 Clean the adhesive pad bonding area on the body ⇒ *Figure 18 -1-* using commercially available cleaning agents to remove any dust and grease.

- 3.4.4 Secure flat conductor path to the body with an adhesive pad.

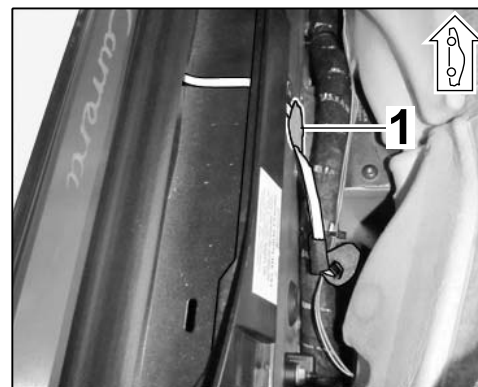


Figure 18

3.5 Secure flat conductor path (right side).

Route flat conductor path ⇒ *Figure 19 -1-*
behind the door sill support ⇒ *Figure 19 -2-*.

3.5.1 Connect plug connection ⇒ *Figure 19 -3-*.

3.5.2 Clean the adhesive pad bonding area on the body ⇒ *Figure 19 -4-* using commercially available cleaning agents to remove any dust and grease.

3.5.3 Secure flat conductor path to the body with an adhesive pad.

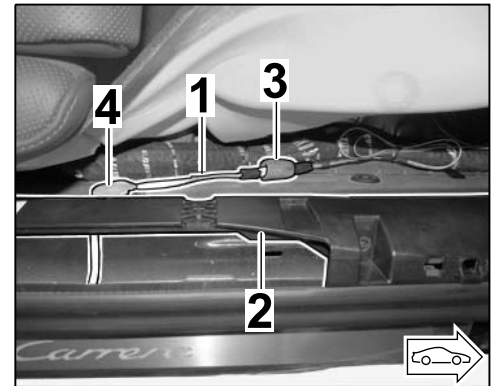


Figure 19

3.6 Attach rubber door seal (piping) in the illuminated door entry guard (cover strip) area.

4 Pull protective film off the illuminated door entry guards (cover strips).

5 Concluding work.

5.1 Screw on fastening nut ⇒ *Figure 20 -2-* on the wire harness cover ⇒ *Figure 20 -3-* at the right.

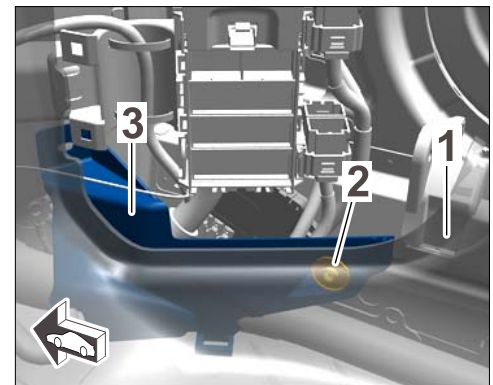


Figure 20

5.2 Screw in and tighten screws ⇒ *Figure 21 -2-* on the door sill support ⇒ *Figure 21 -1-* on the left and right.

5.3 Clip carpet into holder on the driver's side and passenger's side.

5.4 Install rear-end electronics control unit. ⇒ *Workshop Manual '578919 Removing and installing control unit for rear-end electronics'*

5.5 Install front side-section trim panel on the left and right. ⇒ *Workshop Manual '702419 Removing and installing front side-section trim panel'*

5.6 Install cover (cold air bulkhead). ⇒ *Workshop Manual '702219 Removing and installing cover (cold air bulkhead)'*

5.7 Install left front seat. ⇒ *Workshop Manual '720119 Removing and installing front seat'*

5.8 Install inner door sill trim on the left and right. ⇒ *Workshop Manual '680519 Removing and installing inner door sill trim'*

5.9 Read out the fault memories of all systems, work through any existing faults and erase the fault memories. ⇒ *Workshop Manual '033500 Fault memory for on-board diagnosis'*

5.10 Disconnect the battery charger. ⇒ *Workshop Manual '2X00IN Battery trickle charging'*

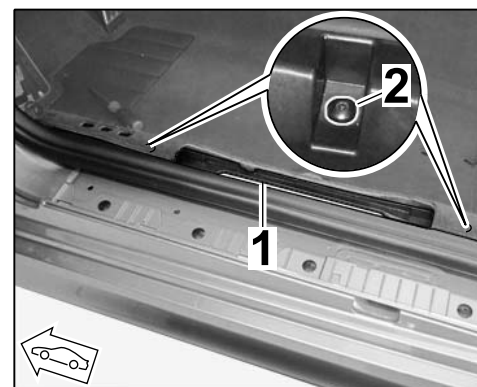


Figure 21

Working Time: 68073200: Installing illuminated door entry guard

Labor time: **190 TU**

Includes: Installing electric wire harness, removing and installing left front seat and cover strips

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