

Sports Exhaust System (I-no. XLF)

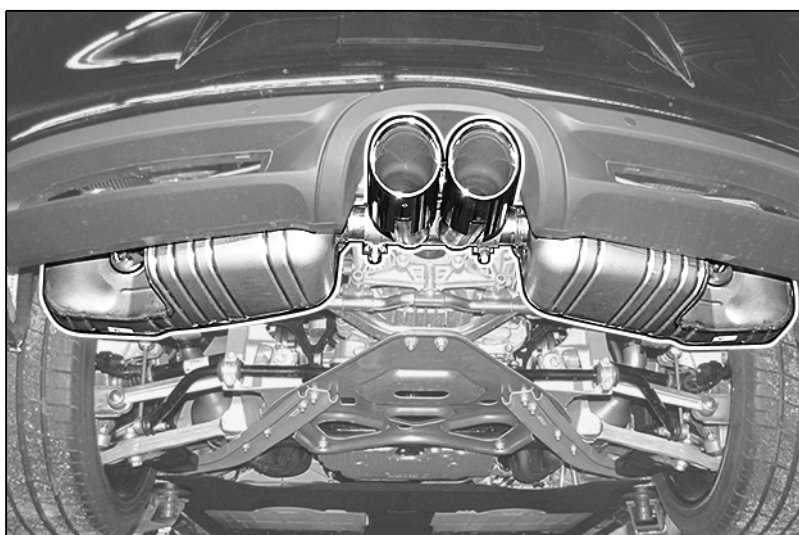
Revision: This bulletin replaces bulletin Group 2, #5/13, dated October 2, 2015.

Model Year: **As of 2014**

Concern: **Retrofitting**

Restrictions: • **ONLY** together with sports tailpipe (I-no. XLS).

Engine Type: MA122 = 2.7 l – Cayman
 MA123 = 3.4 l – Cayman S



Notes: The sports exhaust system is activated and deactivated using the new switch console with the additional "Twin tailpipe" button. The sports exhaust system is also activated by pressing the "Sport" and "Sport Plus" buttons. The sports exhaust system can be switched off separately in these modes using the "Twin tailpipe" button.

The switch console (combined switch) is a repair kit and must also be ordered. The repair kit contains the main body, the required buttons and the trims. The new switch console is assembled in accordance with the new vehicle equipment.

Engine power and exhaust behaviour of the vehicle are not affected. The sports exhaust system is also available as a factory installed option for new vehicles by requesting optional equipment "XLF".

Parts Info: **981.044.200.00** ⇒ Sports exhaust system WITH sports tailpipe for Cayman, set
981.044.200.04 ⇒ Sports exhaust system WITH sports tailpipe for Cayman S, set
981.044.200.01 ⇒ Sports exhaust system WITHOUT sports tailpipe, set

Also order the following:
991.613.955.05.DML Combined switch (switch console)

Parts List:

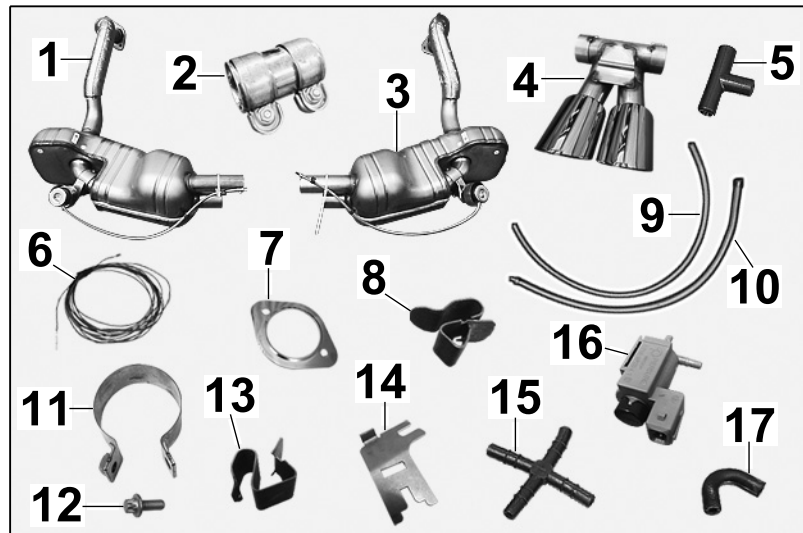


Figure 2

981.111.921.04	1 x	Rear muffler, left ⇒ Figure 2-1-
981.111.280.00	1 x	Clamp ⇒ Figure 2-2-
981.111.922.04	1 x	Rear muffler, right ⇒ Figure 2-3-
981.111.961.00 ¹	1 x	Sports tailpipe ⇒ Figure 2-4-
981.111.961.01 ²	1 x	Sports tailpipe (not shown)
06E.133.794	1 x	T-piece ⇒ Figure 2-5-
981.612.905.00	1 x	Wire harness ⇒ Figure 2-6-
981.111.113.00	2 x	Seal ⇒ Figure 2-7-
999.651.360.01	4 x	Fixing clip ⇒ Figure 2-8-
981.111.049.00	1 x	590-mm steel flexi-pipe ⇒ Figure 2-9-
900.918.005.40	1 x	Tekalan line, 5.0 x 1.0 x 1,000 mm ⇒ Figure 2-10-
981.111.281.01	2 x	Clamp ⇒ Figure 2-11-
900.385.001.02	2 x	Torx screw, M8 x 20 ⇒ Figure 2-12-
3D0.971.939.B	1 x	Fixing clip (transmission) ⇒ Figure 2-13-
981.111.989.00	1 x	Change-over valve holder ⇒ Figure 2-14-
928.573.729.05	1 x	Distributing piece, 4-way ⇒ Figure 2-15-

7PP.906.270	1 x	Change-over valve ⇒ <i>Figure 2-16-</i>
928.574.717.05	2 x	Protective tube ⇒ <i>Figure 2-17-</i>
900.910.003.03	4 x	Hexagon nut, M8 (not shown)
999.141.047.01	4 x	Torx screw, M10 x 28 (for securing seat, not shown)
928.573.727.05	1 x	Distributing piece, 3-way (Y-piece, not shown)
N 020.904.4	15 x	Tie-wrap (not shown)
999.507.206.40	2 x	Combination holder (not shown)

1 ONLY contained in set 981.044.200.00.

2 ONLY contained in set 981.044.200.04.

Materials:	000.043.004.82	1 x	Optimol-HT mounting paste
	— — —		Rust solvent, commercially available, e.g. WD40

Notes: **Identifying features when installed:**
 A part number and the Porsche logo are shown on the rear mufflers and tailpipe.

Tools: **9818 - PIWIS Tester II**
T10118 - Assembly tool
P300 - Socket-wrench insert

- Work Procedure: 1 Preparatory work.
- 1.1 Disconnect battery charger. ⇒ *Workshop Manual '2X00IN Battery trickle charging'*
 - 1.2 Remove passenger compartment interior.
 - 1.2.1 Remove inner door sill trim on the left. ⇒ *Workshop Manual '680519 Removing and installing inner door sill trim'*
 - 1.2.2 Remove left front seat. ⇒ *Workshop Manual '720119 Removing and installing front seat'*
 - 1.2.3 Loosen seat belt mount in the B-pillar sill area.

Open the cap ⇒ *Figure 3-1-*.

Unscrew cheese head bolt ⇒ *Figure 3-2-* and remove seat belt mount ⇒ *Figure 3-3-* and spacer sleeve ⇒ *Figure 3-4-*.

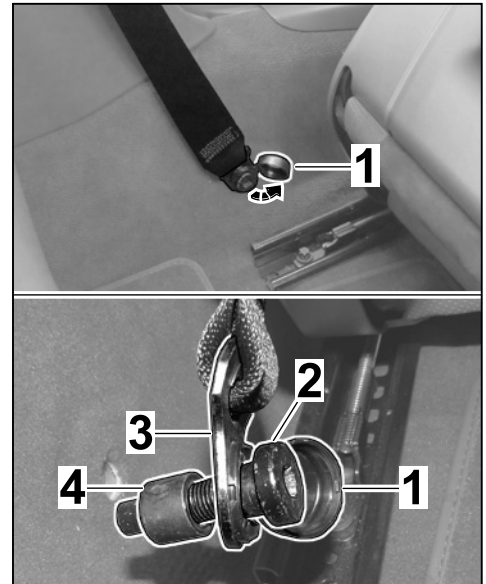


Figure 3

- 1.2.4 Remove side trim panel at the left.
⇒ *Workshop Manual '707519
Removing and installing side trim
panel'*

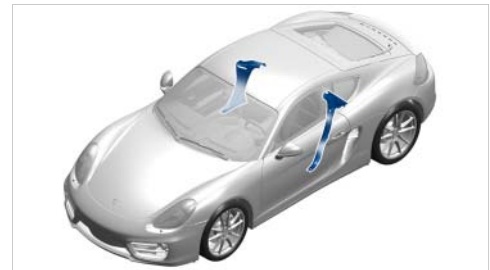


Figure 4

- 1.2.5 Pull out clip ⇒ *Figure 5-1-* and remove sound absorber ⇒ *Figure 5-2-* from the left B-pillar.

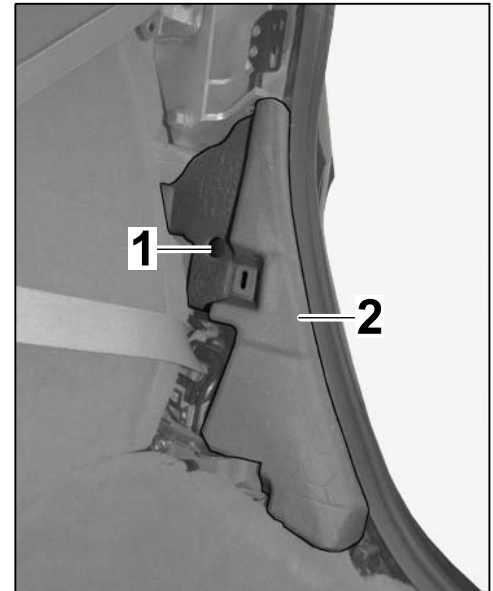


Figure 5



Information

Figure shows left side of the vehicle.

- 1.2.6 Remove right belt strap guide ⇒ *Figure 6-1-*.
Loosen right belt strap guide using a plastic wedge ⇒ *Figure 6-2-* (⇒ *Figure 6-arrows A-*).
Remove belt strap guide from the catches ⇒ *Figure 6-arrows B-* and set it down.

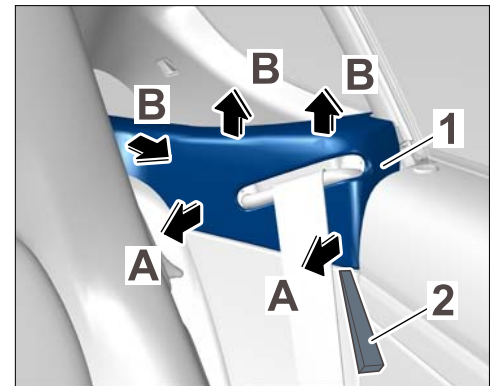


Figure 6

- 1.2.7 Remove trim panel for rear wall. ⇒ *Workshop Manual '703119 Removing and installing trim panel for rear wall'*

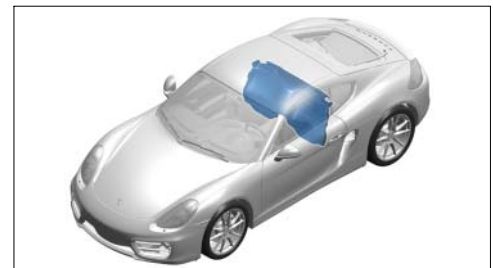


Figure 7

1.3 Remove luggage compartment interior.

1.3.1 Remove trim panel for package box (lid) ⇒ *Figure 8-4-*. ⇒ *Workshop Manual '706619 Removing and installing package box'*

1.3.2 Remove side trim panels for luggage compartment at the left ⇒ *Figure 8-1-* and right. ⇒ *Workshop Manual '700319 Removing and installing side trim panel for rear luggage compartment'*

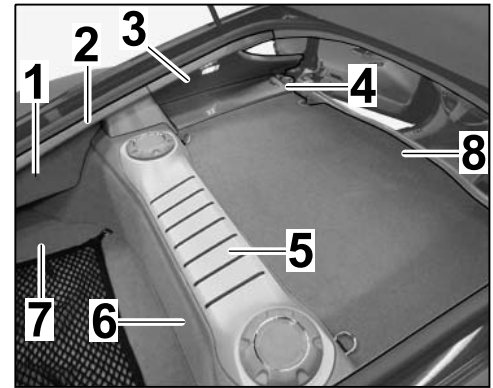


Figure 8

1.3.3 Remove C-pillar trim panels (rear section) at the left ⇒ *Figure 8-2-* and right. ⇒ *Workshop Manual '706819 Removing and installing C-pillar trim panel'*

1.3.4 Remove C-pillar trim panel (front section) at the left ⇒ *Figure 8-3-*. ⇒ *Workshop Manual '706819 Removing and installing C-pillar trim panel'*

1.3.5 Remove rear cover ⇒ *Figure 8-5-*. ⇒ *Workshop Manual '705319 Removing and installing rear cover'*

1.3.6 Remove trim panel for rear luggage compartment (front section) ⇒ *Figure 8-6-*. ⇒ *Workshop Manual '700619 Removing and installing trim panel for rear luggage compartment (front section)'*

1.3.7 Remove luggage net if necessary.

1.3.8 Remove trim panel for rear luggage compartment (lower section) ⇒ *Figure 8-7-*. ⇒ *Workshop Manual '700619 Removing and installing trim panel for rear luggage compartment (lower section)'*

1.3.9 Remove trim panel for convertible top compartment/engine compartment lid ⇒ *Figure 8-8-*. ⇒ *Workshop Manual '700819 Removing and installing trim panel for convertible top compartment/engine compartment lid'*

1.3.10 Remove package box. ⇒ *Workshop Manual '706619 Removing and installing package box'*

- 1.3.11 Remove storage box ⇒ *Figure 9-1-* and sound absorber ⇒ *Figure 9-2-*.
- 1.4 Remove engine compartment lid. ⇒ *Workshop Manual '557819 Removing and installing engine compartment lid'*

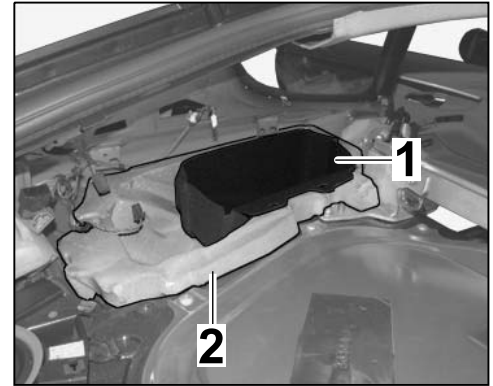


Figure 9



Information

If the digital engine electronics (DME) control unit holder is secured with shear-off bolts/nuts, the DME control unit holder will not be loosened or removed. Route the wire harness behind the DME control unit.

- 1.5 Loosen DME control unit holder.
 - 1.5.1 Screw off fastening nuts at the bottom ⇒ *Figure 10-3-*. Unscrew and remove fastening screws at the top ⇒ *Figure 10-1-*. Remove DME control unit holder ⇒ *Figure 10-2-* together with connected lines.
 - 1.5.2 Remove insulating material.

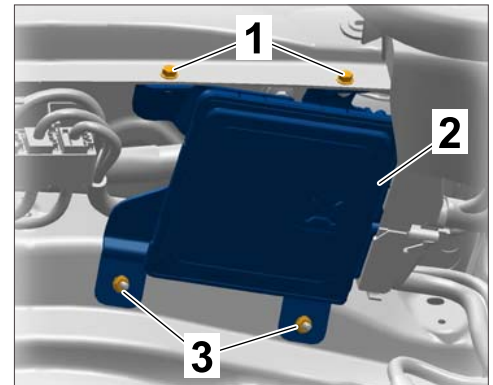


Figure 10

- 1.6 Loosen parking brake control unit ⇒ *Figure 11-1-*.
 - 1.6.1 Screw off fastening nuts ⇒ *Figure 11-2-*.
 - 1.6.2 Pull parking brake control unit off the studs.

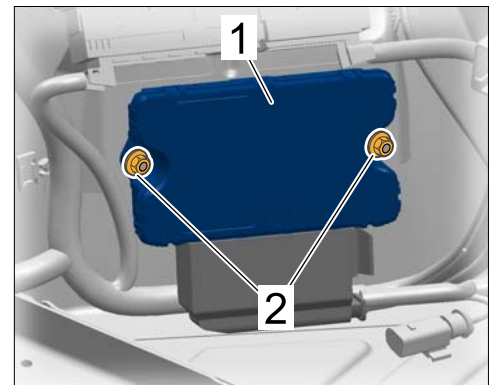


Figure 11

- 1.7 Loosen relay carrier in luggage compartment at the right.

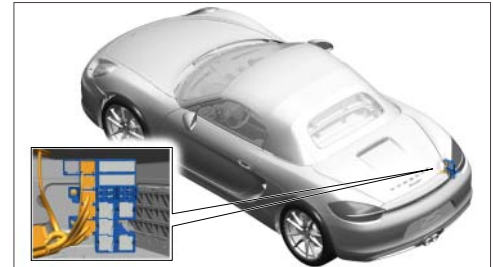


Figure 12

- 1.7.1 Release electric plug connection ⇒ *Figure 13 -arrow a-* and pull it off ⇒ *Figure 13 -arrow b-*.

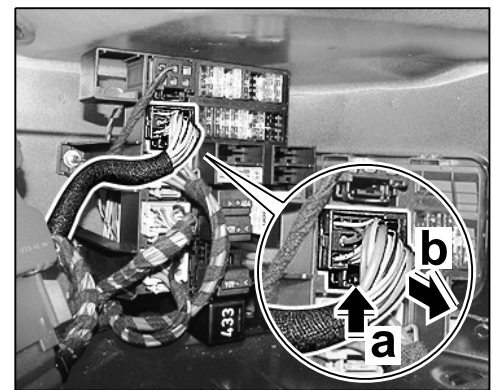


Figure 13

- 1.7.2 Unscrew fastening nuts ⇒ *Figure 14-2-* and pull relay carrier for luggage compartment at the right ⇒ *Figure 14-1-* off the studs and set it down.

- 2 Install electric wire harness.
- 2.1 Route electric wire harness as follows:
 Passenger compartment → along standard wire harness in passenger compartment at the left → cable duct → convertible-top compartment → relay carrier in luggage compartment at the right

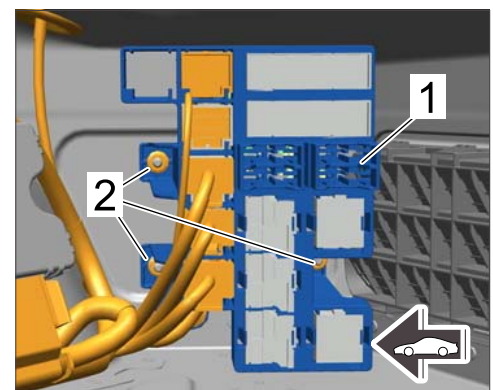


Figure 14

- 2.1.1 Route electric wire harness ⇒ *Figure 15-1*- from the rear-end electronics control unit position ⇒ *Figure 15-2*-, along wire harness in passenger compartment at the left to the cable duct ⇒ *Figure 15-3*-.

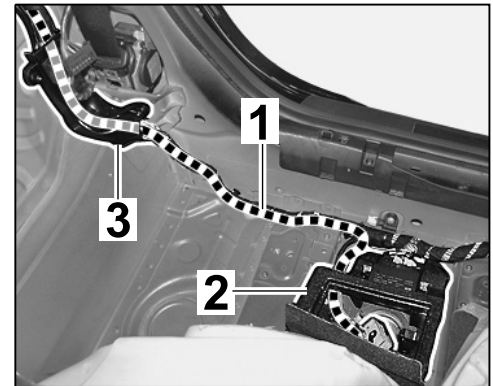


Figure 15

- 2.1.2 Route electric wire harness ⇒ *Figure 16-1*- along the standard wire harness ⇒ *Figure 16-2*-.

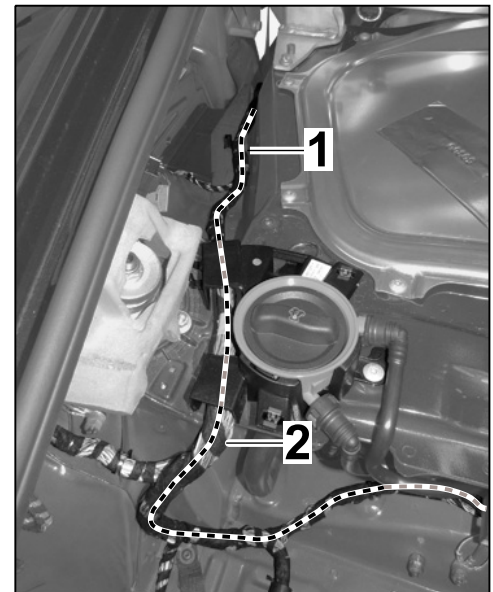


Figure 16

2.1.3 Route electric wire harness ⇒ *Figure 17-1*- along the standard wire harness to the relay carrier in the luggage compartment at the right.

- 2 – DME control unit
- 3 – Relay carrier in luggage compartment at the right
- 4 – Parking brake control unit

2.2 Use tie-wraps to secure electric wire harness to existing lines or components without tension and so that no chafing occurs.

2.3 Connect electric wire harness to the rear-end electronics control unit.

2.3.1 Shorten BK/YE line and crimp together using a new socket contact.

2.3.2 Fold carpet ⇒ *Figure 18-arrow*- aside.

2.3.3 Remove rear-end electronics control unit ⇒ *Figure 18-1*- from the foam holder ⇒ *Figure 18-2*- and turn it until the plug connections are accessible.

2.3.4 Release the center electric plug connection ⇒ *Figure 19-2*- (blue) by pressing the locking mechanism ⇒ *Figure 19-arrow*- and swivel the clip ⇒ *Figure 19-1*- upwards ⇒ *Figure 19-arrow*-.

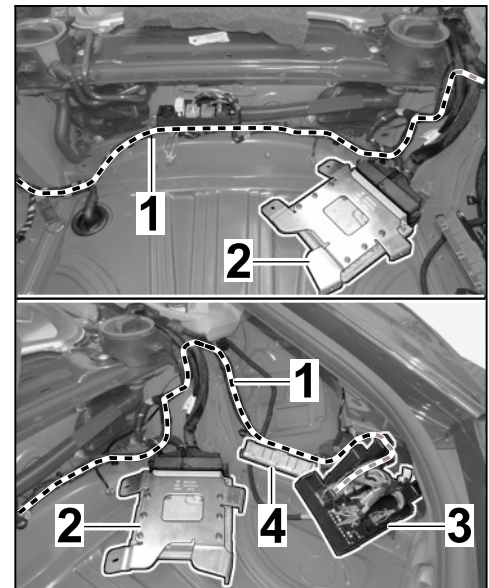


Figure 17

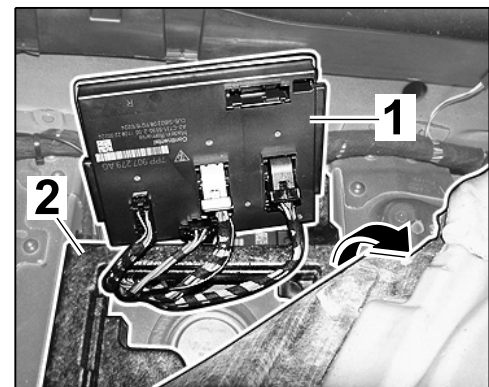


Figure 18

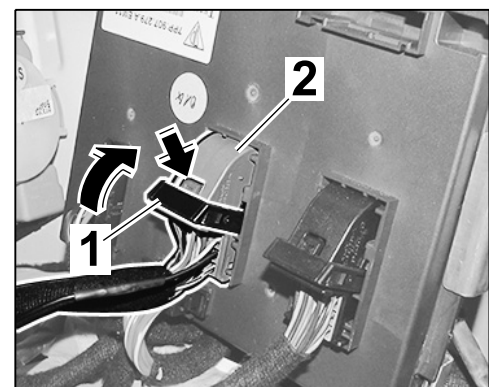


Figure 19

- 2.3.5 Press down the locking mechanism ⇒ *Figure 20 -arrow-* and slide the grey plug socket ⇒ *Figure 20-1-* out of the plug carrier ⇒ *Figure 20-2-*.

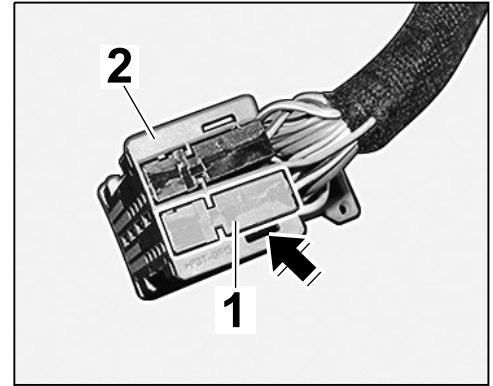


Figure 20



Information

Ensure socket contact is seated securely.

- 2.3.6 Insert socket contact ⇒ *Figure 21-1-* into chamber A2 of the grey plug socket ⇒ *Figure 21-2-*.

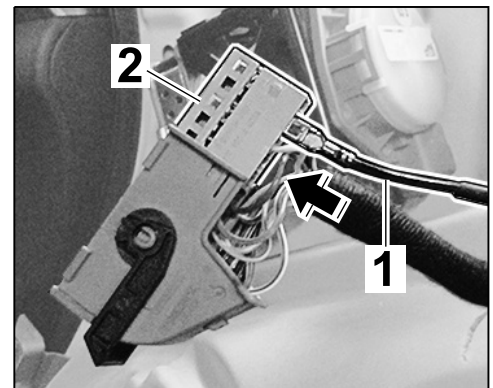


Figure 21

- 2.3.7 Slide grey plug socket ⇒ *Figure 22-1-* into the plug carrier ⇒ *Figure 22-2-* until the locking mechanism ⇒ *Figure 22-arrow-* engages.

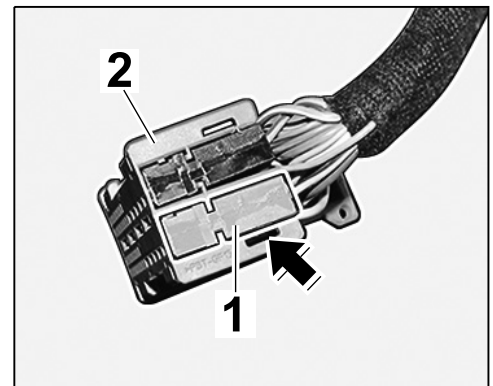


Figure 22

- 2.3.8 Connect electric plug connection ⇒ *Figure 23-2-* and swivel the clip ⇒ *Figure 23-1-* downwards.
- 2.3.9 Insert rear-end electronics control unit into the foam holder.
- 2.3.10 Fold back the carpet.
- 2.4 Connect BK/YE line to the black 17-pin connector socket (engine pre-wiring X31).

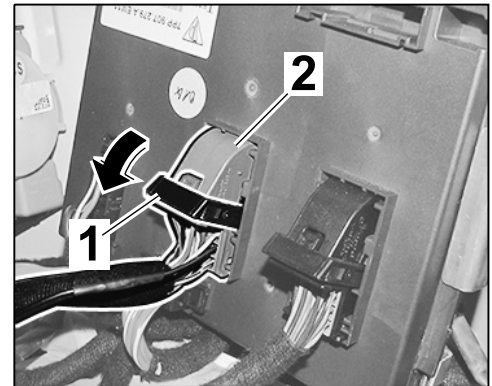


Figure 23

- 2.4.1 Release pin connector socket ⇒ *Figure 24 -arrow a-* and pull it out of the relay carrier in the luggage compartment at the right ⇒ *Figure 24-1-* (⇒ *Figure 24 -arrow b-*).

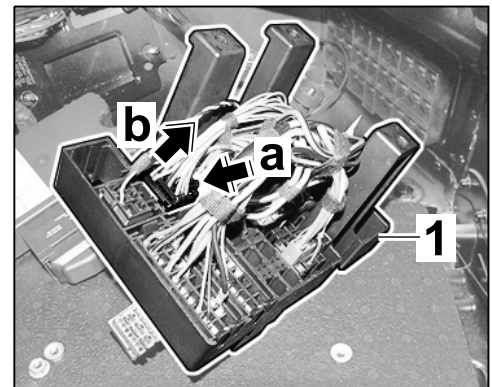


Figure 24

- 2.4.2 Release secondary lock on pin connector socket ⇒ *Figure 25 -arrow-*.

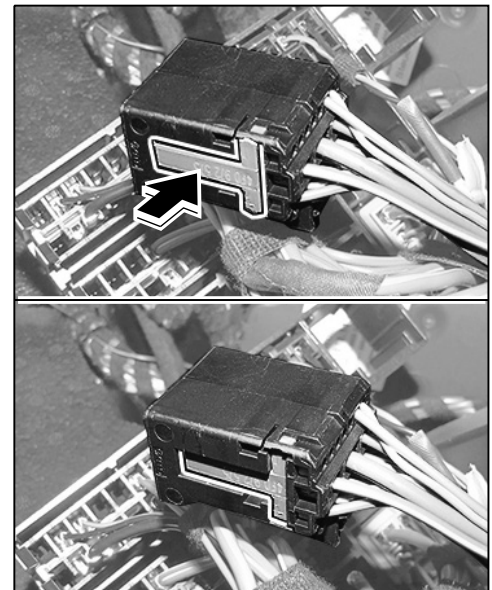


Figure 25



Information

Ensure socket contact is seated securely.

2.4.3 Insert pin contact ⇒ *Figure 26-1*- into chamber 5 of the pin connector socket ⇒ *Figure 26-2*-.

2.4.4 Lock secondary lock.

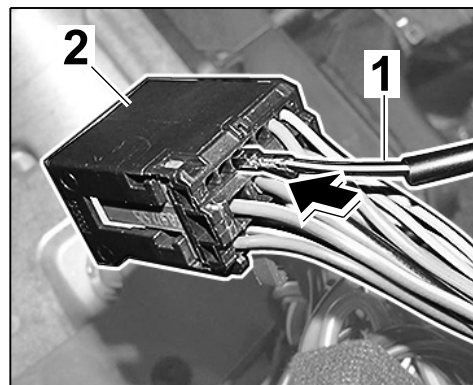


Figure 26

2.4.5 Insert pin connector socket ⇒ *Figure 27-1*- into the relay carrier in the luggage compartment at the right ⇒ *Figure 27-2*- until the locking lug locks with an audible click.

3 Concluding work for installing wire harness.

3.1 Install relay carrier in luggage compartment at the right.

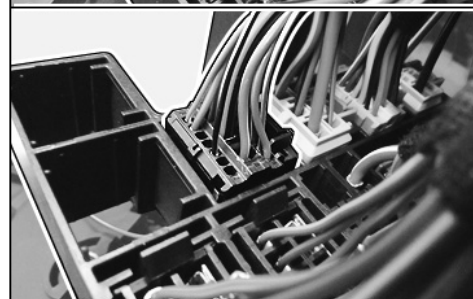
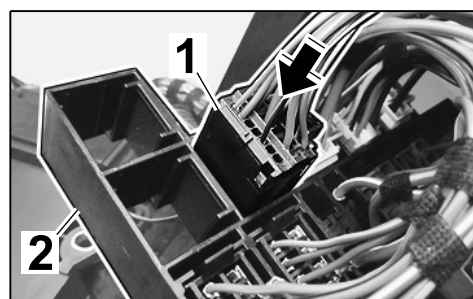


Figure 27

- 3.1.1 Position relay carrier in luggage compartment at the right ⇒ *Figure 28-1-* on the studs. Tighten fastening nuts ⇒ *Figure 28-2-*. **Tightening torque 9.7 Nm (7.5 ftlb.)**

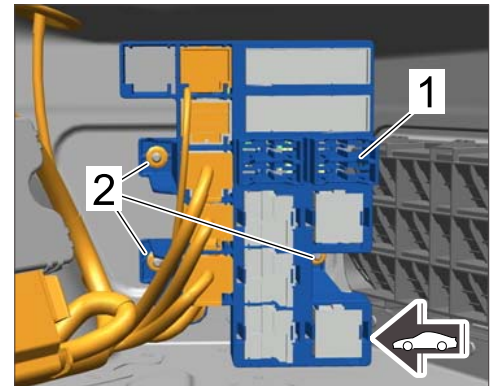


Figure 28

- 3.1.2 Connect electric plug connection.

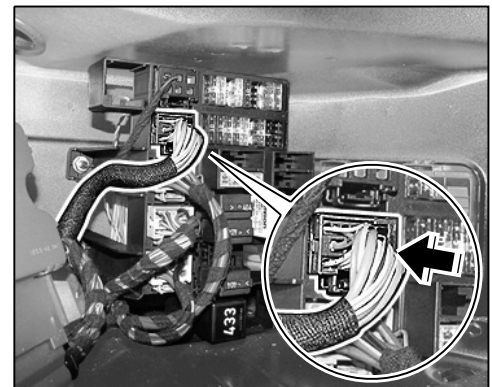


Figure 29

- 3.2 Secure parking brake control unit ⇒ *Figure 30-1-*.

- 3.2.1 Position parking brake control unit on the studs.

- 3.2.2 Tighten fastening nuts ⇒ *Figure 30-2-*.

Tightening torque 4.5 Nm (3 ftlb.)

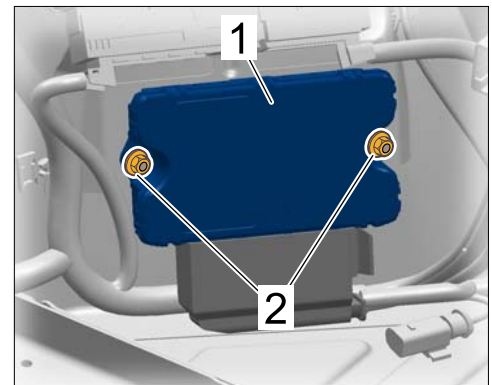


Figure 30

3.3 Secure DME control unit holder ⇒ *Figure 31 -2-*.

3.3.1 Insert insulating material.

3.3.2 Position DME control unit holder. Screw in and tighten fastening screws at the top ⇒ *Figure 31 -1-*.

Tightening torque 9.7 Nm (7.5 ftlb.)

Screw on and tighten fastening nuts at the bottom ⇒ *Figure 31 -3-*.

Tightening torque 9.7 Nm (7.5 ftlb.)

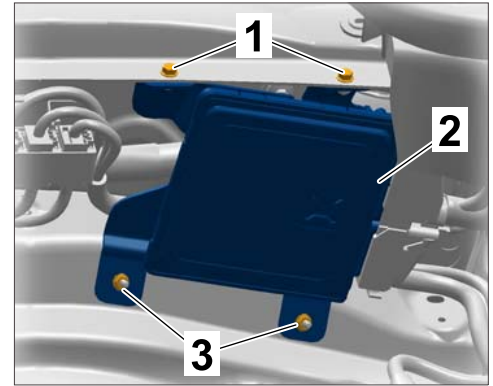


Figure 31

4 Remove rear mufflers. ⇒ *Workshop Manual '263319 Removing and installing rear silencer'*



Information

Insert vacuum line at least 10 mm into the steel flexi-pipe.

5 Assemble vacuum lines.

5.1 Connect vacuum lines as shown.

5.1.1 **Vehicles with manual transmission**

- 1 – T-piece
- 2 – 590-mm steel flexi-pipe
- 3 – 750-mm Tekalan line
- 4 – Protective tube
- 5 – Change-over valve
- 6 – 170-mm vacuum line
- 7 – Y-piece

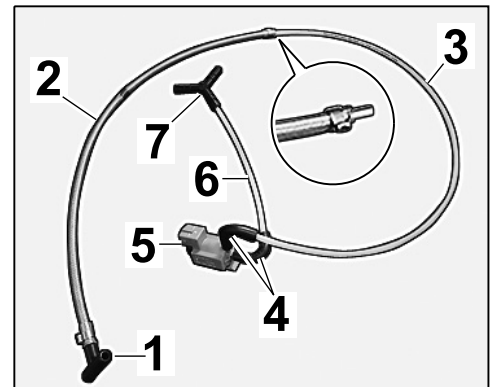


Figure 32

Cut 750-mm ⇒ *Figure 32 -3-* and 170-mm lengths ⇒ *Figure 32 -6-* off the supplied Tekalan line.



Information

Insert vacuum line at least 10 mm into the steel flexi-pipe.

Fit 590-mm steel flexi-pipe ⇒ *Figure 32 -2-* and 750-mm Tekalan line ⇒ *Figure 32 -3-* together.

Fit 590-mm steel flexi-pipe ⇒ *Figure 32 -2-* into the T-piece ⇒ *Figure 32 -1-*.

Insert 750-mm Tekalan line and 170-mm Tekalan line at least 10 mm into the protective tubes ⇒ *Figure 32-4-*.

Fit 170-mm Tekalan line ⇒ *Figure 32-6-* into the Y-piece.

Fit protective tubes on change-over valve ⇒ *Figure 32-5-*.

5.1.2 Vehicles with Porsche Doppelkupplung (PDK)

- 1 - T-piece
- 2 - 590-mm steel flexi-pipe
- 3 - 595-mm Tekalan line
- 4 - Protective tube
- 5 - Change-over valve
- 6 - 225-mm Tekalan line
- 7 - Distributing piece, 4-way

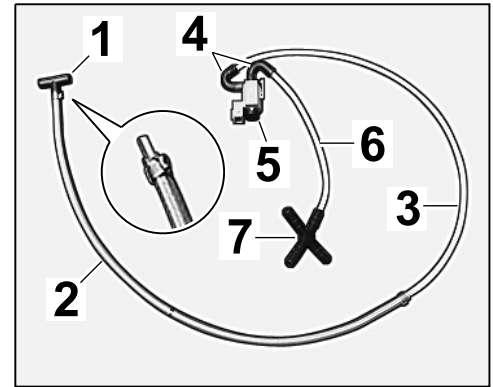


Figure 33

Cut 595-mm ⇒ *Figure 33-3-* and 225-mm lengths ⇒ *Figure 33-6-* off the supplied Tekalan line.



Information

Insert vacuum line at least 10 mm into the steel flexi-pipe.

Fit 590-mm steel flexi-pipe ⇒ *Figure 33-2-* and 595-mm Tekalan line ⇒ *Figure 33-3-* together.

Fit 590-mm steel flexi-pipe ⇒ *Figure 33-2-* into the T-piece ⇒ *Figure 33-1-*.

Insert 595-mm Tekalan line and 255-mm Tekalan line at least 10 mm into the protective tubes ⇒ *Figure 33-4-*.

Fit 225-mm Tekalan line into the 4-way distributing piece ⇒ *Figure 33-7-*.

Fit protective tubes on change-over valve ⇒ *Figure 33-5-*.

5.2 Lock single-lug clip ⇒ *Figure 34-1-*.

Fit fixing clip ⇒ *Figure 34-2-* at the marked position (black) on the steel flexi-pipe.

6 Install vacuum lines.

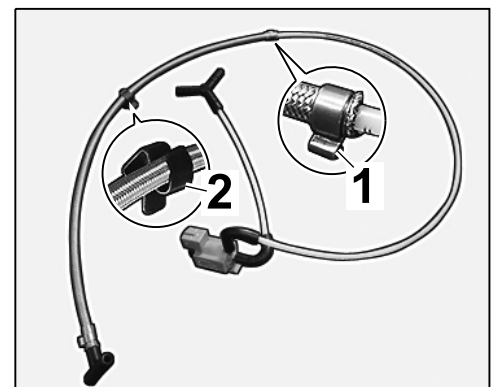


Figure 34



Information

The wire harness for the change-over valve is incorporated as standard in the engine wire harness and is secured to the cable duct with wrapping tape.

6.1 Expose wire harness for change-over valve ⇒ *Figure 35 -arrow-*.

6.2 Install change-over valve holder.

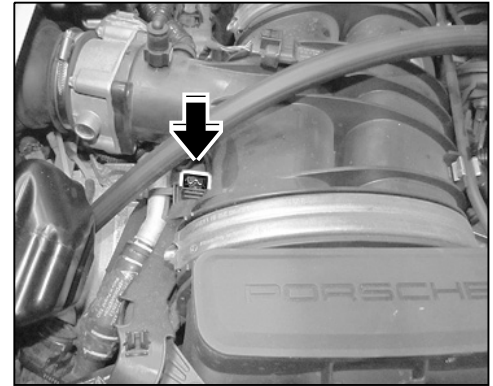


Figure 35

6.2.1 Loosen Torx screw ⇒ *Figure 36-1-* on the intake bridge.

6.2.2 Slide change-over valve holder ⇒ *Figure 36-2-* under the Torx screw and tighten Torx screw.

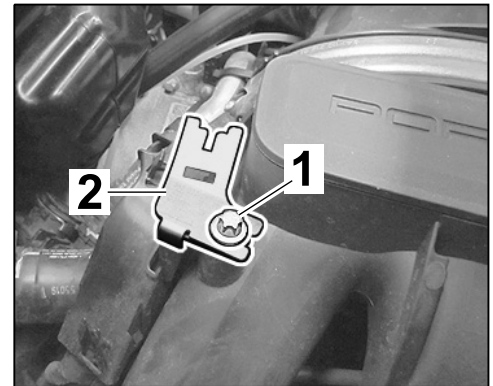


Figure 36

6.3 Slide change-over valve ⇒ *Figure 37-1-* onto the change-over valve holder. Route the longer vacuum line ⇒ *Figure 37-3-* along the shift cable ⇒ *Figure 37-4-* and down to the transmission ⇒ *Figure 37-arrow b-*.

Pull off dummy plug on change-over valve connector.

Connect plug connection ⇒ *Figure 37-arrow a-*.

6.4 **Only** for vehicles with PDK:
Connect vacuum lines for change-over valve.

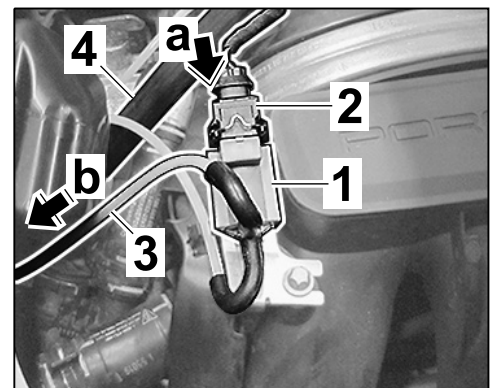


Figure 37

- 6.4.1 Pull Y-piece ⇒ *Figure 38-1*- off the standard change-over valve ⇒ *Figure 38-2*-.

5 – Throttle valve

- 6.4.2 Pull Tekalan line (vacuum line on engine side) ⇒ *Figure 38-4*- and Tekalan line (vacuum line on transmission side) ⇒ *Figure 38-3*- out of the Y-piece ⇒ *Figure 38-1*-.

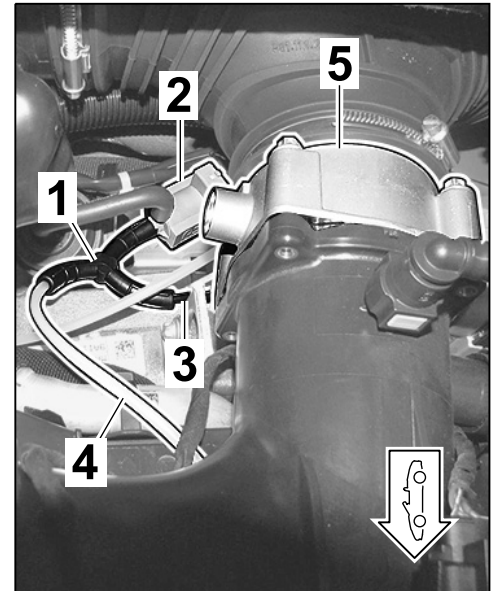


Figure 38

- 6.4.3 Insert Tekalan line (vacuum line on engine side) ⇒ *Figure 39-4*-, Tekalan line (vacuum line on transmission side) ⇒ *Figure 39-3*- and Tekalan line (vacuum line for change-over valve for sports exhaust system) ⇒ *Figure 39-5*- at least 10 mm into the 4-way distributing piece.

- 6.4.4 Fit 4-way distributing piece ⇒ *Figure 39-1*- on the standard change-over valve ⇒ *Figure 39-2*-.

- 6.5 **Only** for vehicles with manual transmission:
Connect vacuum lines for change-over valve.

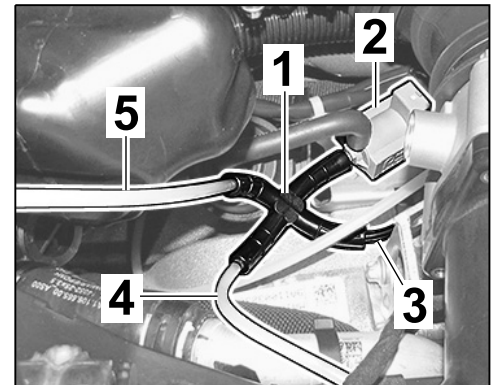


Figure 39

- 6.5.1 Pull Tekalan line (vacuum line on engine side) ⇒ *Figure 40-1-* and Tekalan line (vacuum line on transmission side) ⇒ *Figure 40-2-* out of the connecting piece ⇒ *Figure 40-3-*.

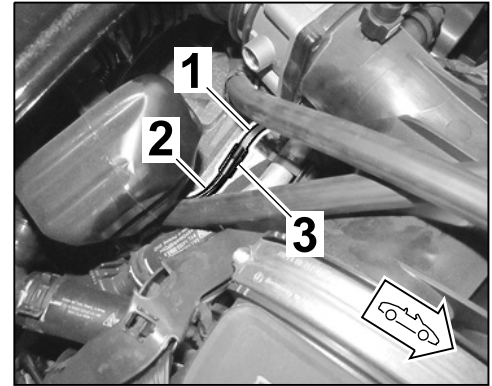


Figure 40

- 6.5.2 Insert Tekalan line (vacuum line on engine side) ⇒ *Figure 41-2-*, Tekalan line (vacuum line on transmission side) ⇒ *Figure 41-3-* and Tekalan line (vacuum line for change-over valve for sports exhaust system) ⇒ *Figure 41-4-* at least 10 mm into the Y-piece ⇒ *Figure 41-1-*.

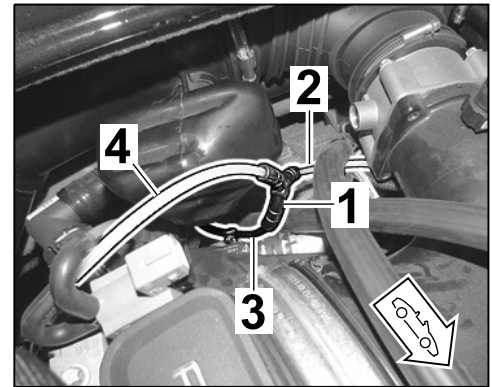


Figure 41



Information

The vacuum line is routed correctly if the T-piece is touching the rear support **rear arrow**.

- 6.6 Fit fixing clip ⇒ *Figure 42-arrow-* in the pocket before the third cross strut on the transmission.
- 7 Install new rear mufflers. ⇒ *Workshop Manual '263319 Removing and installing rear silencer'*
- 8 Secure vacuum lines in the rear support area.

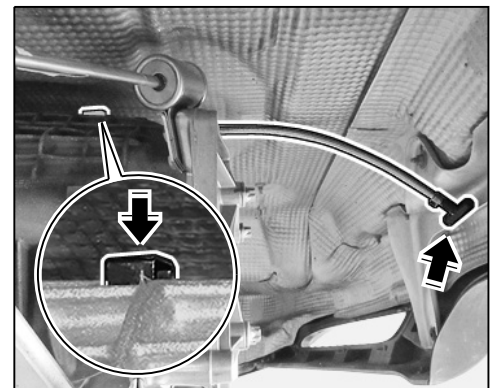


Figure 42

- 8.1 Fit four fixing clips ⇒ *Figure 43-1-* on rear support ⇒ *Figure 43-2-*. Check spacing!
- a** – 155 mm
 - b** – 48 mm
- 8.2 Join steel flexi-pipes from the rear mufflers and T-piece.

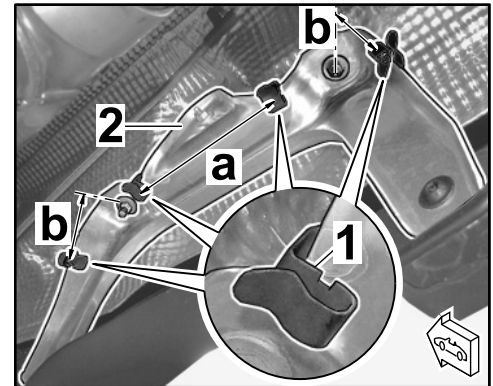


Figure 43

**Information**

Steel flexi-pipe follows the inner contour of the rear support ⇒ *Figure 44 -arrows-*.

Fit steel flexi-pipe ⇒ *Figure 44-2-* into the clips ⇒ *Figure 44-1-*.

- ✓ – Position of steel flexi-pipe is OK
- X – Position of steel flexi-pipe is not OK

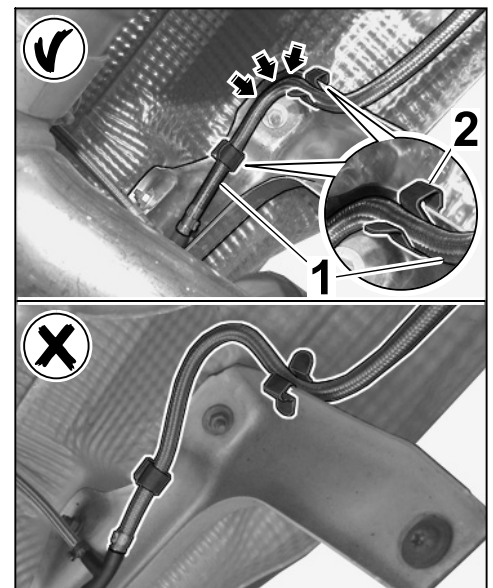


Figure 44



Information

The steel flexi-pipe should only be barely visible in the air outlet area.

- 8.3 Fit steel flexi-pipe in the fixing clips and check that the steel flexi-pipe is not hanging down from the rear apron in the air outlet area.

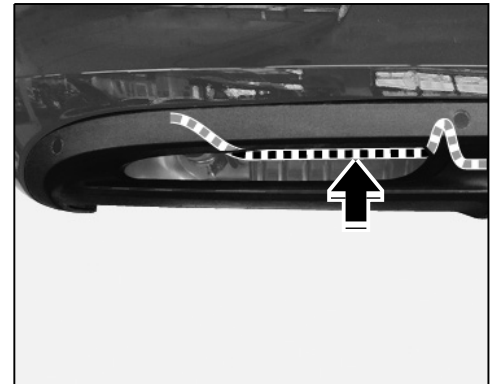


Figure 45

- 9 **Only** for vehicles with manual transmission:
Fit the holders ⇒ *Figure 45-1-* on the coolant hoses.
Clip 750-mm Tekalan line ⇒ *Figure 45-2-* into the holder.
- 10 Concluding work.
 - 10.1 Install engine compartment lid. ⇒ *Workshop Manual '557819 Removing and installing engine compartment lid'*

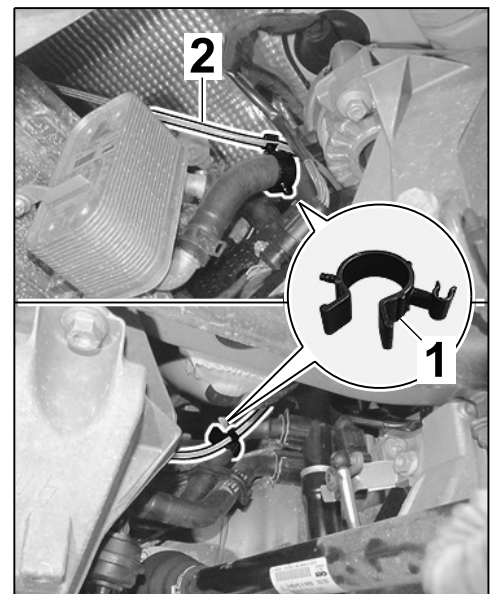


Figure 45

- 10.2 Fit sound absorber ⇒ *Figure 46-2-* and storage box ⇒ *Figure 46-1-*.

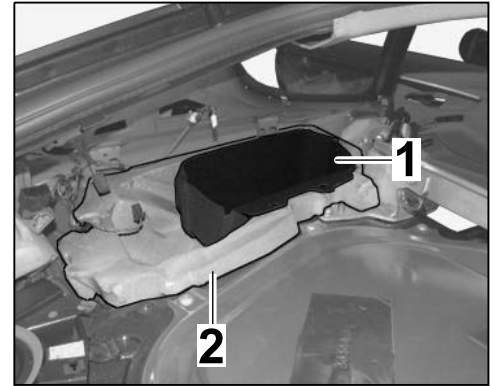


Figure 46

- 10.3 Install luggage compartment interior.

10.3.1 Install package box. ⇒ *Workshop Manual '706619 Removing and installing package box'*

10.3.2 Install trim panel for convertible top compartment/engine compartment lid ⇒ *Figure 47-8-*. ⇒ *Workshop Manual '700819 Removing and installing trim panel for convertible top compartment/engine compartment lid'*

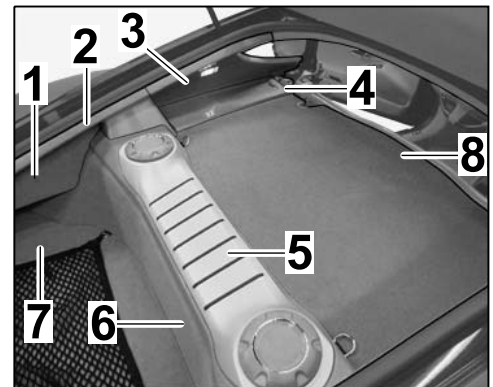


Figure 47

- 10.3.3 Install trim panel for rear luggage compartment (lower section) ⇒ *Figure 47-7-*. ⇒ *Workshop Manual '700619 Removing and installing trim panel for rear luggage compartment (lower section)'*
- 10.3.4 Remove luggage net if necessary.
- 10.3.5 Install trim panel for rear luggage compartment (front section) ⇒ *Figure 47-6-*. ⇒ *Workshop Manual '700619 Removing and installing trim panel for rear luggage compartment (front section)'*
- 10.3.6 Install rear cover ⇒ *Figure 47-5-*. ⇒ *Workshop Manual '705319 Removing and installing rear cover'*
- 10.3.7 Install C-pillar trim panel (front section) at the left ⇒ *Figure 47-3-*. ⇒ *Workshop Manual '706819 Removing and installing C-pillar trim panel'*
- 10.3.8 Install C-pillar trim panels (rear section) at the left ⇒ *Figure 47-2-* and right. ⇒ *Workshop Manual '706819 Removing and installing C-pillar trim panel'*
- 10.3.9 Install side trim panels for luggage compartment at the left ⇒ *Figure 47-1-* and right. ⇒ *Workshop Manual '700319 Removing and installing side trim panel for rear luggage compartment'*

10.3.10 Install trim panel for package box (lid) ⇒ *Figure 47-4-*. ⇒ *Workshop Manual '706619 Removing and installing package box'*

10.4 Install passenger compartment interior.

10.4.1 Install trim panel for rear wall.
⇒ *Workshop Manual '703119 Removing and installing trim panel for rear wall'*

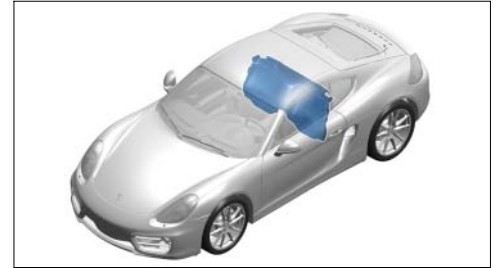


Figure 48

10.4.2 Fit sound absorber ⇒ *Figure 49-2-* into the left B-pillar and secure with the clip ⇒ *Figure 49-1-*.

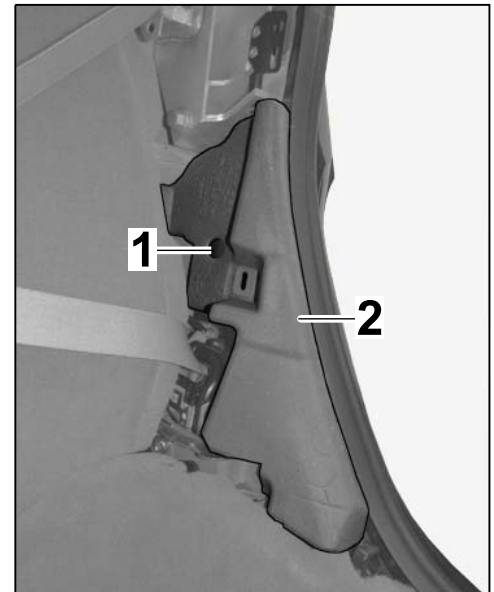


Figure 49

10.4.3 Install side trim panel at the left.
⇒ *Workshop Manual '707519 Removing and installing side trim panel'*

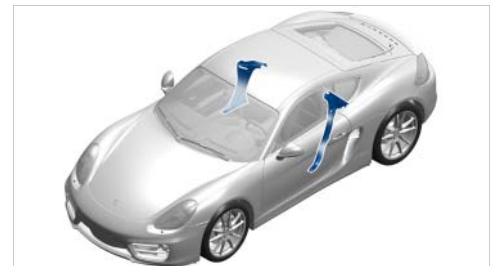


Figure 50

10.4.4 Secure the seat belt mount in the left B-pillar sill area.

Guide the belt at the left of the door sill ⇒ *Figure 51 -A-* and turn the seat belt mount 180 degrees (clockwise) ⇒ *Figure 51 -B-*.

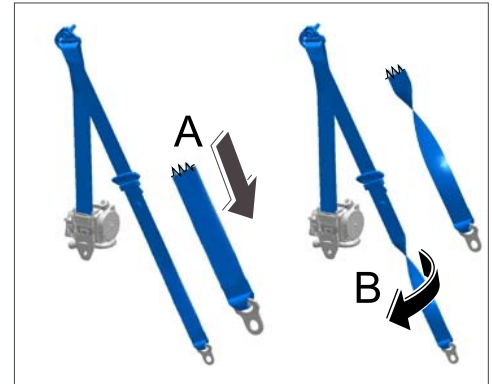


Figure 51

Guide cheese head bolt ⇒ *Figure 52-2-* through the seat belt mount ⇒ *Figure 52-3-* and spacer sleeve ⇒ *Figure 52-4-* and tighten it.

Tightening torque 50 Nm (37 ftlb.)

Clip on cap ⇒ *Figure 52-1-*.

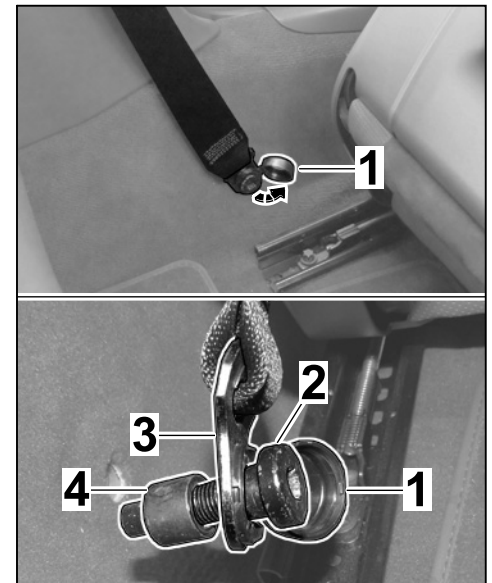


Figure 52

10.4.5 Insert belt strap guide ⇒ *Figure 53 -1-* into the mountings ⇒ *Figure 53 -B-* and clip it in ⇒ *Figure 53 -A-*.

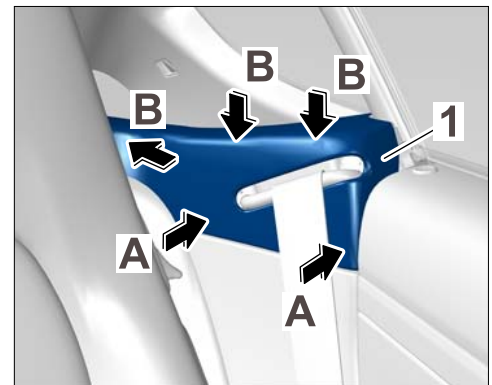


Figure 53

⚠ WARNING

Incorrect handling of safety bolts

- **Danger of injury**
- **Loss of torque**
- ⇒ **Always use new fastening screws and nuts following removal.**
- ⇒ **Observe specified tightening torques.**
- ⇒ **Carry out a visual inspection of all re-used parts.**

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

10.4.7 Remove inner door sill trim on the left. ⇒ *Workshop Manual '680519 Removing and installing inner door sill trim'*

10.5 Convert switch console.

10.5.1 Remove switch console. ⇒ *Workshop Manual '962719 Removing and installing switch console'*



Information

The switch console consists of a total of 16 buttons, 10 light guides and 10 trims. Each half can be used for the left or right row of the main body.

10.5.2 Assemble new switch console in accordance with the new vehicle equipment.

Fit light guide at the correct side ⇒ *Figure 54 -1-* in the main body ⇒ *Figure 54 -arrow-*.

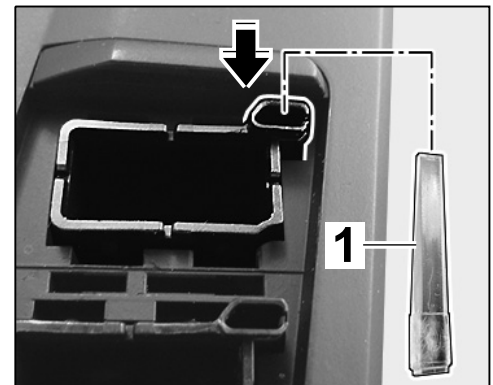


Figure 54

Fit trim ⇒ *Figure 55 -1-* underneath the button in the main body ⇒ *Figure 55 -arrows-*.

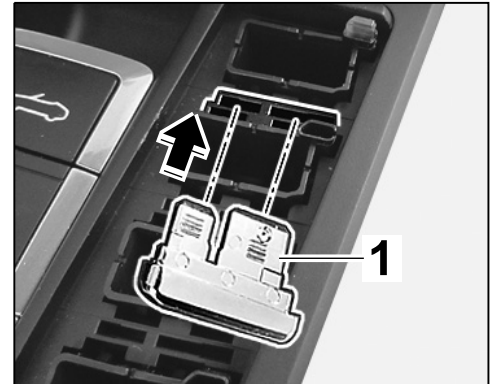


Figure 55

Position button ⇒ *Figure 56 -1-* and clip it into the main body ⇒ *Figure 56 -arrow-*.

10.5.3 Install switch console. ⇒ *Workshop Manual '962719 Removing and installing switch console'*

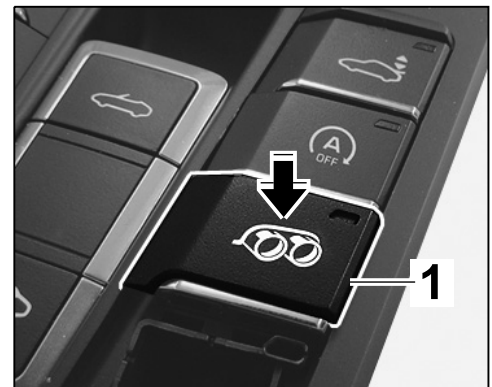


Figure 56

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**.

11 Code sports exhaust system.

11.1 **9818 - PIWIS Tester II** must now be connected and the ignition switched on.

11.2 Select the required vehicle type. PIWIS Tester Diagnostics starts.



Information

The sports exhaust system button can only be coded on the right-hand side of the switch console.

11.3 Code keypad assignment. ⇒ *Workshop Manual '962755 Replacing switch console'*

11.4 Maintenance of vehicle data

11.4.1 **Additional menu** must now be selected by pressing **•F7** .

11.4.2 Select the **Maintenance of vehicle data** function. Press **•F12** until **X numbers** appears in the Value group column.

11.4.3 Select **XLF - Sports exhaust system** in the Coding value column. When you touch the Installed cell, a tick appears.

11.4.4 Save the values by pressing **•F8** . Wait until the message **Modified values have been buffered** appears.

11.4.5 Press **•F12** until **•F8** can be activated.

11.4.6 Press **•F8** to write values. Wait until the message **Generation of vehicle data is complete** appears.

11.4.7 Press **•F12** to switch to Report management. Open the log by pressing **•F10** and check that vehicle equipment **XLF Sports exhaust system** is displayed.

11.5 Adapt coding.

11.5.1 Press **•F11** to return to the list of control units.
Select all control units.

11.5.2 Switch to the **Codings/adaptations** menu.
Select **Automatic coding**. Press **•F12** to continue.
Wait until the message **Coding has been completed successfully** appears.
Press **•F12** to continue.

- 11.6 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'*
- 11.7 Carry out "Sports exhaust system" function test.
Start the vehicle. The exhaust flaps open when you press the "Twin tailpipe" button. The noise of the exhaust motor can be heard.
- 11.8 Disconnect battery charger. ⇒ *Workshop Manual '2X00IN Battery trickle charging'*

26013100: Sports exhaust system installed Labor time: **480 TU**
Includes: Removing and installing rear mufflers and strip for switches, coding sports exhaust system.

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