

# Installation and Conversion Instructions

Boxster (982)

21/17 ENU 6699

6

## SportDesign Package (I-no. XAT)

Vehicle Type: **718 Boxster (982), 718 Boxster S (982)**

Model Year: **As of 2017**

Concern: **Retrofitting**



Note: The SportDesign package comprises the following components:

- New front apron
- New spoiler lip
- New rear apron (ready-primed)
- New pedestrian protection
- Middle radiator

The components have been tested and approved together. Fitting of individual components is not permitted!

The SportDesign package is also available straight from the factory for new vehicles by requesting optional equipment "XAT".

Please note that the new ParkAssist sensors in the rear skirt will be painted in vehicle color.

Important: On vehicles without middle radiator (I-no. 153), the refrigerant line (condenser ⇒ connection point in wheel housing) must be replaced.

Parts Info:	<b>982.044.800.60</b>	⇒ SportDesign package, prime coated, set for basic vehicle
	<b>982.044.800.61</b>	⇒ SportDesign package, prime coated, set for vehicles with headlight cleaning system = headlight washer system (I-no. 288)
	<b>982.044.800.62</b>	⇒ SportDesign package, prime coated, set for vehicles with front/rear ParkAssist (PA = I-no. 636) or vehicles with front/rear ParkAssist + camera (I-no. 638)
	<b>982.044.800.63</b>	⇒ SportDesign package, prime coated, set for vehicles with headlight washer system (288), ParkAssist (636) or ParkAssist + camera (I-no. 638)
	<b>982.044.800.64</b>	⇒ SportDesign package, prime coated, set for vehicles with rear ParkAssist (PA = I-no. 635)
	<b>982.044.800.65</b>	⇒ SportDesign package, prime coated, set for vehicles with headlight washer system (288), ParkAssist (635)

Also order the following according to **vehicle equipment** and **country version/market**:

982.807.813.K OK1	1 x	Number plate carrier, assembly kit for USA (211) with Automatic distance control (456)
982.807.813.H OK1	1 x	Number plate carrier, assembly kit for USA (211) without Automatic distance control (-456)

Parts List:

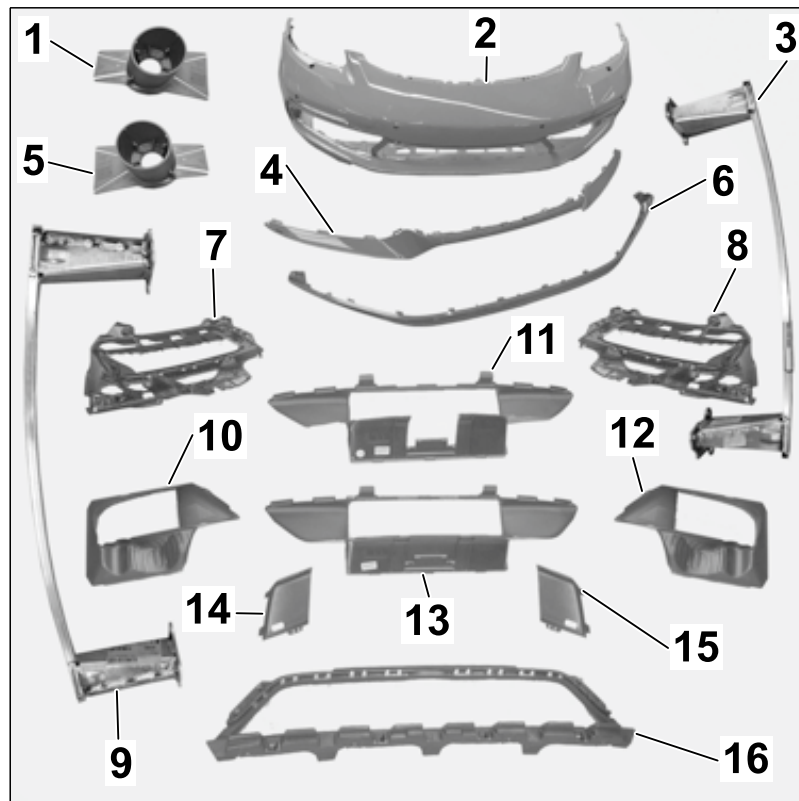


Figure 2

### Scope of front apron:

982.807.463 <sup>1</sup>	1 x	Retainer plate, left with headlight washer system (288) ⇒ <i>Figure 2 -1-</i>
— — — <sup>2</sup>	1 x	ASSY <sup>8</sup> Front apron, prime coated, basic (not shown)
— — — <sup>3</sup>	1 x	ASSY <sup>8</sup> Front apron, prime coated, with headlight washer system (288), (not shown)
— — — <sup>4</sup>	1 x	ASSY <sup>8</sup> Front apron, prime coated, with ParkAssist (636), (not shown)
— — — <sup>5</sup>	1 x	ASSY <sup>8</sup> Front apron, prime coated, with headlight washer system (288) and ParkAssist (636) ⇒ <i>Figure 2 -2-</i>
982.807.397 G2X	1 x	Towing lug cover, prime coated (not shown)
991.505.531.07	1 x	Not For USA ⇒ <i>Figure 2 -3-</i>
982.807.725 G2X	1 x	Skid plate, prime coated ⇒ <i>Figure 2 -4-</i>
982.807.464 <sup>1</sup>	1 x	Retainer plate, right with headlight washer system (288) ⇒ <i>Figure 2 -5-</i>
982.807.547 G2X	1 x	Spoiler lip, prime coated ⇒ <i>Figure 2 -6-</i>
982.807.698 OK1	1 x	Grille, right ⇒ <i>Figure 2 -7-</i>
982.807.697 OK1	1 x	Grille, left ⇒ <i>Figure 2 -8-</i>
999.919.246.01	14 x	Oval-head screw, 6.0 x 18.0 -Q St 26 D0
982.807.113	1 x	Pedestrian protection bracket, front, USA ⇒ <i>Figure 2 -9-</i>
982.121.736 OK1	1 x	Air guide, right ⇒ <i>Figure 2 -10-</i>
982.121.699 OK1	1 x	Air guide, center, with middle radiator (153) ⇒ <i>Figure 2 -11-</i>
982.121.735 OK1	1 x	Air guide, left ⇒ <i>Figure 2 -12-</i>
982.121.699.A OK1	1 x	Air guide, centre, with middle radiator (153) and ACC (456) ⇒ <i>Figure 2 -13-</i>
982.807.946 041	1 x	Air guide cover, right-hand side, high-gloss black ⇒ <i>Figure 2 -14-</i>
982.807.945 041	1 x	Air guide cover, left-hand side, high-gloss black ⇒ <i>Figure 2 -15-</i>
982.807.682 OK1	1 x	Centre grille, open ⇒ <i>Figure 2 -16-</i>
982.260.335.D	1 x	Pressure line (condenser ⇒ connection point in wheel housing, not shown)
999.507.309.02	12 x	Speed nut, ST 4.8 (not shown)
999.073.227.09	8 x	Tapping screw, ST 4.8 x 19 (not shown)
991.044.100.03	1 x	Middle radiator comprising (not shown): Coolant hose, left (1x), coolant hose, right (1x) Middle radiator (1x), hexagon nut, M6 (4x) Sealing frame (1x), retaining frame (1x) Rubber mounting, top (2x), Rubber mounting, bottom (2x) Long seal (1x), short seal (2x) Strip (1x) Left cover (1x), right cover (1x)

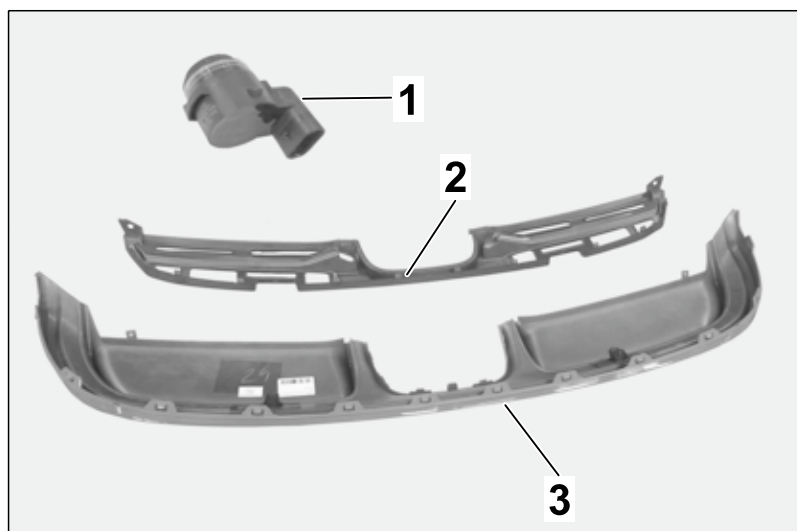


Figure 3

Parts for rear apron:

9P1.919.275.A G2X <sup>6</sup>	2 x	ParkAssist sensor, prime coated incl. isolating ring ⇒ Figure 3 -1-
— — —	1 x	Bottom holder ⇒ Figure 3 -2-
— — — <sup>6</sup>	1 x	Rear skirt <sup>9</sup> , prime coated with ParkAssist (635/636) ⇒ Figure 3 -3-
— — — <sup>7</sup>	1 x	Rear skirt, prime coated, basic (not shown)
999.507.856.01	2 x	Speed nut (not shown)

1 Only contained in set 982.044.800.67, 982.044.800.69 and 982.044.800.71.

2 Only contained in set 982.044.800.66.

3 Only contained in set 982.044.800.67.

4 Only contained in set 982.044.800.68.

5 Only contained in set 982.044.800.69.

6 Only contained in set 982.044.800.68, 982.044.800.69, 982.044.800.70 and 982.044.800.71.

7 Only contained in set 982.044.800.66 and 982.044.800.67.

8 ASSY = assembly ⇒ prime coated front apron with riveted retaining strip (2 x), guides (2 x), glued-in holder for KESSY proximity sensor (1 x), bracket for cover (1 x), fender support (2 x), insert (2 x)

9 **Including** glued-in holder for ParkAssist sensor (l-no. 636)



## Information

**ONLY** in the event of repairs/replacement:

Items **WITHOUT** a part number in the parts list can be found/ordered from the Porsche Electronic Parts Catalog = PET.

Check model year and vehicle equipment (I-no.) in the standard catalog!

Materials:	000.043.300.43	1 x	Adhesive, set including 5-part mixing tube for headlight washer system retainer plate
	000.043.301.47	X x	Antifreeze, BASF Glysantin G40–91 EF; 1-liter container
	000.043.205.93	1 x	Klüberplus Gel grease; 100g tube (for fitting O-rings in cooling system)
	— — —	— —	Cleaning cloth (commercially available)
	— — —	— —	Isopropanol (commercially available)

Tools: **Nr.90 Pos.1 - Torque wrench**

**9900 - PIWIS Tester 3**

**T10118 - Assembly tool**

**VAS 6937 - Star Gauge**

Work Procedure: 1 Preparatory work:

1.1 Paint components.

1.1.1 **Only** for vehicles with headlight washer system:  
Clean the front apron ⇒ *Figure 4 -1-* at the left/right in the marked area ⇒ *Figure 4 -A-*.

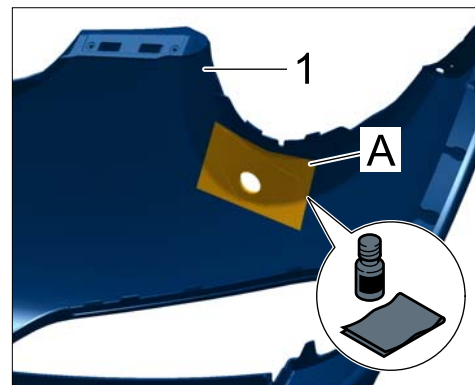


Figure 4

Mask the front apron ⇒ *Figure 5-1-*  
at the left/right in the marked area  
⇒ *Figure 5-A-* with adhesive tape  
⇒ *Figure 5-2-*.

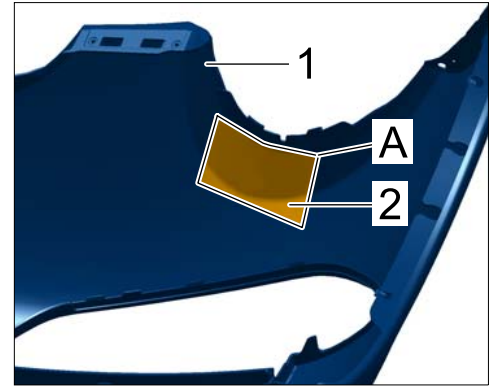


Figure 5



#### Painting components

- Risk of warping of components
  - Risk of damage to components
- ⇒ Observe the guidelines and instructions for painting components in the "Paint" Workshop Manual.
- ⇒ Always place parts without tension on the painting devices provided during painting and drying processes.

1.1.2 Paint all ready-primed parts to match the vehicle's colour code in accordance with instructions in the Paint Workshop Manual.

1.2 Connect battery charger. ⇒ *Workshop Manual '2X00IN Battery trickle charging'*

1.3 **Only** for vehicles without middle radiator:  
Drain refrigerant R1234yf. ⇒ *Workshop Manual '870317 Draining and filling refrigerant R1234yf'*

or

Drain refrigerant R134a. ⇒ *Workshop Manual '870317 Draining and filling refrigerant R134a'*

1.4 Remove cover for front lock support. ⇒ *Workshop Manual '703919 Removing and installing cover for front lock support'*

1.5 Remove front part of front wheel housing liner at the left/right. ⇒ *Workshop Manual '505619 Removing and installing front wheel housing liner'*

1.6 Remove front apron. ⇒ *Workshop Manual '631519 Removing and installing front apron'*

1.7 Remove air guide for middle radiator and air guide for side radiators. ⇒ *Workshop Manual '192419 Removing and installing air guide'*

1.8 **Only** for vehicles with Automatic distance control (456):

- 1.8.1 Release trim cover  $\Rightarrow$  Figure 6  
-1- at the left and right  $\Rightarrow$  Figure 6  
-arrow a- and swivel it up  $\Rightarrow$  Figure 6  
6-arrow b-.

- 1.8.2 Disengage trim cover at the top  
left/right  $\Rightarrow$  Figure 6 -arrow c-  
from the holder and remove it.

- 2 **Only** for vehicles without middle radiator:  
Replace condenser/desiccator line (section from  
condenser to connection point in wheel housing).  $\Rightarrow$   
*Workshop Manual '874619 Removing and installing  
condenser/desiccator line (section from condenser  
to wheel housing connection point)'*



## 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 **Only** for vehicles without middle radiator:  
Install radiator.

- 3.1 Assemble radiator.

- 3.1.1 Clip cover at the left/right  $\Rightarrow$  Figure 7-1- into retaining frame  $\Rightarrow$  Figure 7-2- ( $\Rightarrow$  Figure 7-a-).

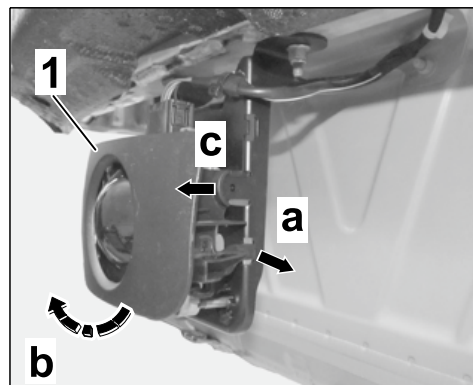


Figure 6

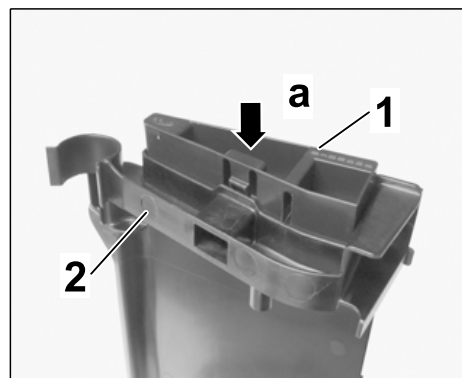
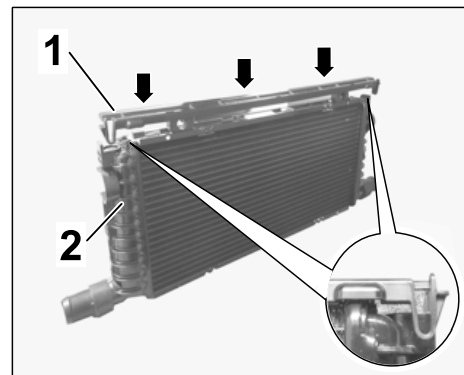


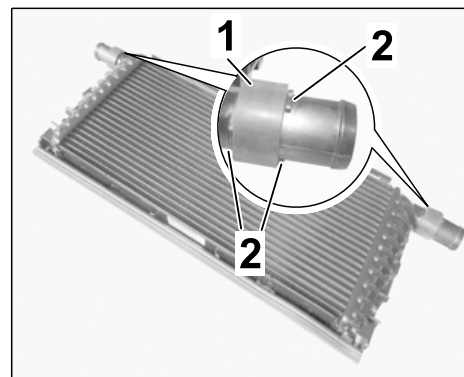
Figure 7

- 3.1.2 Fit strip  $\Rightarrow$  *Figure 8-1-* on radiator at the bottom  $\Rightarrow$  *Figure 8-2-*.



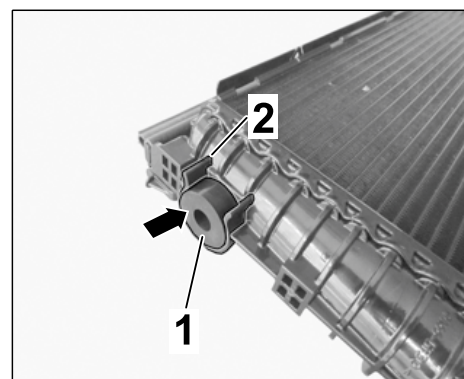
*Figure 8*

- 3.1.3 Fit top rubber mounting  $\Rightarrow$  *Figure 9-1-* between the guides  $\Rightarrow$  *Figure 9-2-* on the adapters at the left/right.



*Figure 9*

- 3.1.4 Insert bottom rubber mounting at the left/right  $\Rightarrow$  *Figure 10-1-* into the lower bracket  $\Rightarrow$  *Figure 10-2-*.



*Figure 10*



- 3.1.5 Push bottom rubber mounting at the left/right ⇒ *Figure 11-1-* onto the pins of the retaining frame ⇒ *Figure 11-2-* (⇒ *Figure 11-a-*). Press side section of retaining frame ⇒ *Figure 11-3-* aside if necessary ⇒ *Figure 11-b-*. Swivel radiator back ⇒ *Figure 11-arrow c-* until the top rubber mounting ⇒ *Figure 11-4-* engages securely in the brackets.

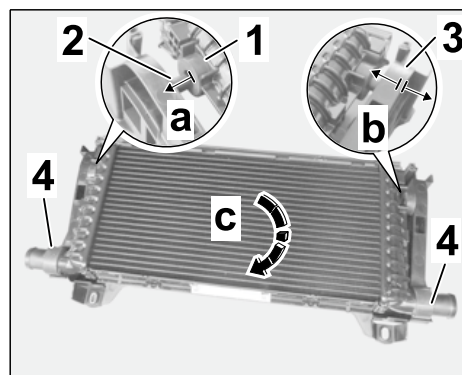


Figure 11

- 3.1.6 Fit long seal ⇒ *Figure 12-2-* on strip. Fit short seals ⇒ *Figure 12-1-* on retaining frame.

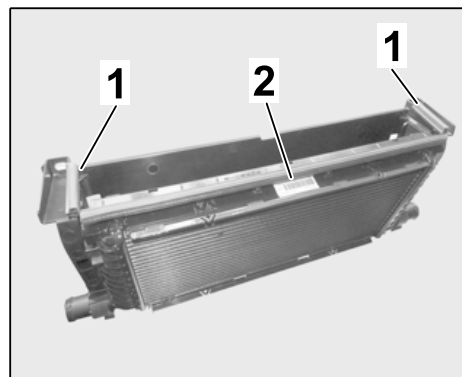


Figure 12

- 3.1.7 Clip sealing frame ⇒ *Figure 13-1-* into retaining frame ⇒ *Figure 13-2-*. Make sure that the clips ⇒ *Figure 13-3-* lock securely.

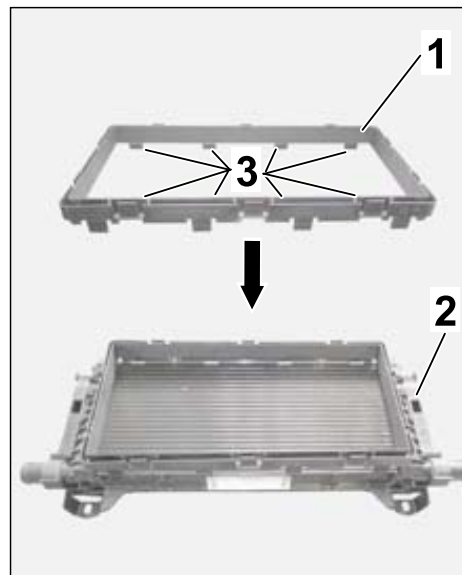


Figure 13

- 3.2 Fit new center air guide  $\Rightarrow$  *Figure 14-2-* into radiator assembly  $\Rightarrow$  *Figure 14-1-*.

Make sure that the retaining lugs  $\Rightarrow$  *Figure 14-1-* **-arrows-** lock securely.

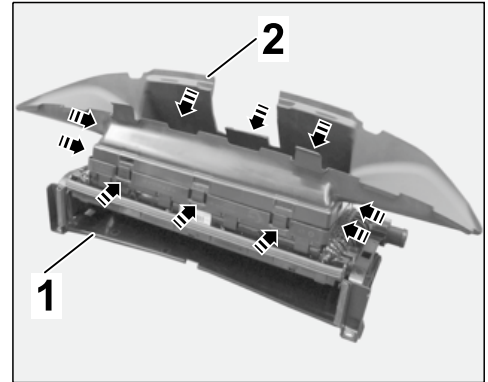


Figure 14

- 3.3 Guide radiator assembly  $\Rightarrow$  *Figure 15-1-* in between the body and distance measuring sensor control unit from below  $\Rightarrow$  *Figure 15-1-* **-arrow a-** and position it on the threaded bolts  $\Rightarrow$  *Figure 15-2-*.

Tighten M6 hexagon nuts  $\Rightarrow$  *Figure 15-3-*.  
**Tightening torque 9.8 Nm (7.5 ftlb.)**

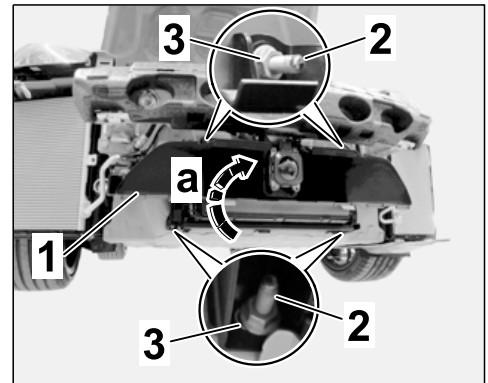


Figure 15

**⚠ WARNING**

**Caustic fluid**

- **Danger of chemical burns**
- $\Rightarrow$  **Avoid contact with caustic fluid.**
- $\Rightarrow$  **Wear personal protective gear.**
- $\Rightarrow$  **Ensure that there is good ventilation.**
- $\Rightarrow$  **If you do come into contact, wash off immediately with plenty of warm water and contact a doctor if necessary.**

- 3.4 Position drip pan underneath the side radiators.



## Information

- Coat O-rings, hoses and lines in the cooling system with Klüberplus Gel (Part No. 000.043.205.93).

### 3.5 Fit coolant hoses.

3.5.1 Fit right coolant hose on middle radiator ⇒ *Figure 16 -arrow a-*.

3.5.2 Remove dummy plug ⇒ *Figure 16-2-* at the bottom of the side radiator at the right ⇒ *Figure 16 -arrow b-* and engage the right coolant hose in the coupling on the side radiator ⇒ *Figure 16 -arrow c-*.

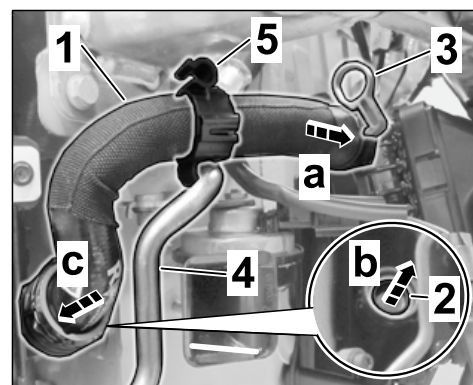


Figure 16

Check that the plug connection is seated securely.

3.5.3 Remove lock from clip ⇒ *Figure 16-3-*.

3.5.4 Insert refrigerant line ⇒ *Figure 16-4-* in holder ⇒ *Figure 16-5-*.

3.5.5 Fit coolant hose on the left side in the same way.

### 4 Convert front of vehicle for new front apron (shown on the 981).

- 1 – Bumper
- 2 – Pedestrian protection
- 3 – Air guide for middle radiator
- 4 – Distance measuring sensor control unit (456)
- 5 – Right air guide
- 6 – Left air guide
- 7 – Foam part (insert)

4.1 Install pedestrian protection ⇒ *Figure 17-2-*.  
⇒ *Workshop Manual '697019 Removing and installing pedestrian protection'*

**Tightening torque 23 Nm (17 ftlb.)  
+/-2 Nm (+/-1.5 ftlb.)**

4.2 Install new air guide for middle radiator ⇒ *Figure 17-3-*. ⇒ *Workshop Manual '192419 Removing and installing air guide'*

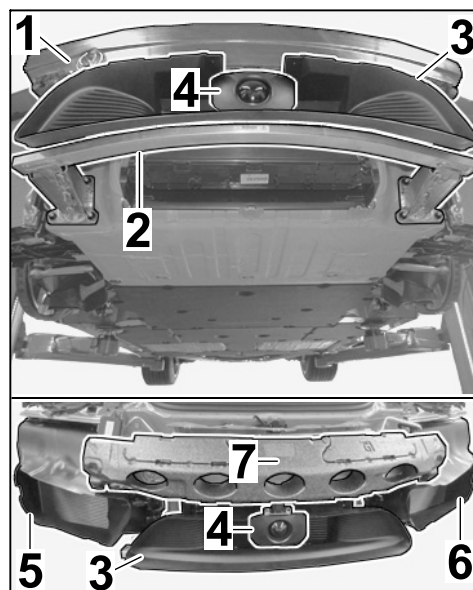


Figure 17

- 4.3 Install new air guide for side radiators at the right ⇒ *Figure 17-5-*/left ⇒ *Figure 17-6-*. ⇒ *Workshop Manual '192419 Removing and installing air guide'*.
- 4.4 **Only** for vehicles with Automatic distance control (456):  
Install trim cover on control unit for distance measuring sensor.
- 4.4.1 Insert trim cover at the top left/right into the holder.
- 4.4.2 Swivel the trim cover down until the lock engages securely.

**NOTICE****Components stored or set down incorrectly**

- **Risk of damage to component surfaces**

⇒ **Set the component down on a clean surface, workbench or assembly fixture.**

- 5 Complete, assemble and install new front apron.
- 5.1 **ONLY** for vehicles with headlight washer system:  
Glue in retainer plate (left/right) in front apron. ⇒ *Workshop Manual '631555 Replacing front apron'*
- 5.2 Cut off stability bars ⇒ *Figure 18-1-* for the paintwork using a suitable tool.

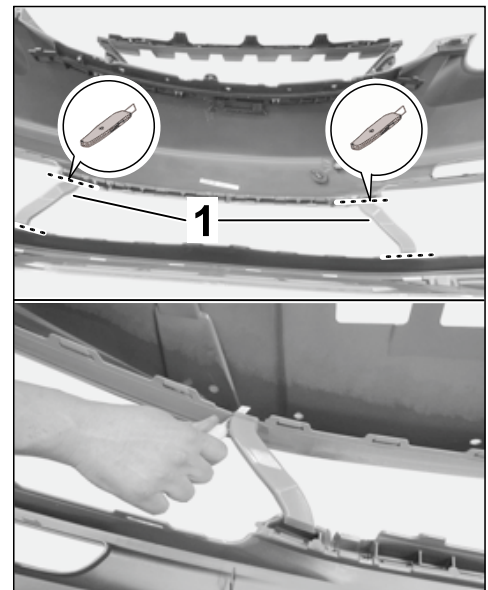


Figure 18

- 5.3 Clip centre grille (open)  $\Rightarrow$  *Figure 19-1* into the front apron  $\Rightarrow$  *Figure 19-2* ( $\Rightarrow$  *Figure 19* -arrows-).

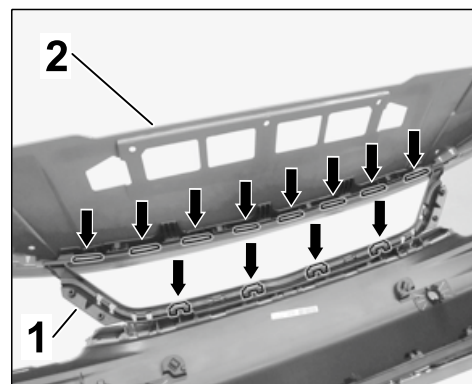


Figure 19

- 5.4 Clip air grille at the left  $\Rightarrow$  *Figure 20-2* and right into the front apron  $\Rightarrow$  *Figure 20-1*.

Secure with four oval-head screws (999.919.246.01)  $\Rightarrow$  *Figure 20-3*.  
**Tightening torque 2.5 Nm (1.75 ftlb.)**  
**+/-10 %**

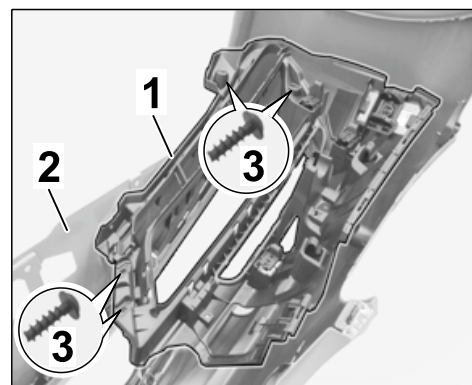


Figure 20

- 5.5 Clip front apron trim  $\Rightarrow$  *Figure 21-1* into front apron  $\Rightarrow$  *Figure 21-2* ( $\Rightarrow$  *Figure 21* -arrows-).

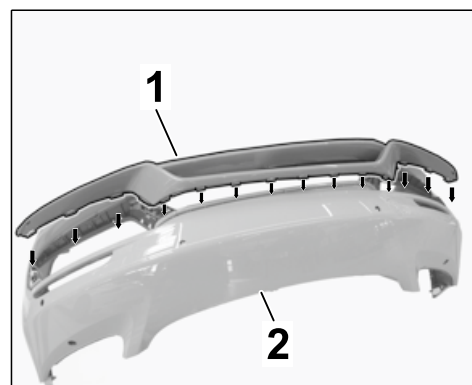


Figure 21

- 5.6 Clip cover for air guide at the right/left-hand side ⇒ *Figure 22-1*- into the front apron in the sequence **a, b and c**.
- 5.7 Remove the following components from the standard front apron and install them in the new front apron in reverse order.

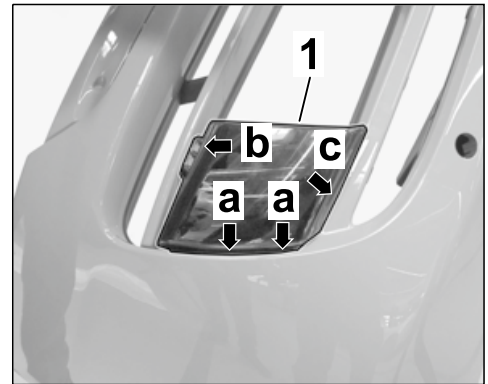


Figure 22

- 5.7.1 **ONLY** for vehicles with headlight washer system:  
Unclip washer-fluid hose at the holders ⇒ *Figure 23-3*- and remove washer-fluid hose ⇒ *Figure 23-1*- and headlight-washer spray nozzles ⇒ *Figure 23-2*-.

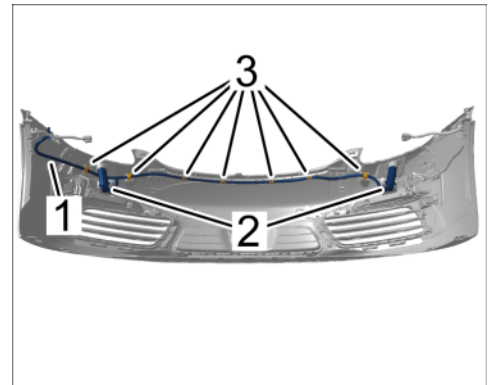


Figure 23

**Information**

The number of electric plug connections and clips will vary depending on equipment.

- 5.7.2 Remove wire harness at the left and right, including parking sensors and front lid proximity sensor, from the standard front apron.

- L** – Front wire harness, left  
**R** – Front wire harness, right

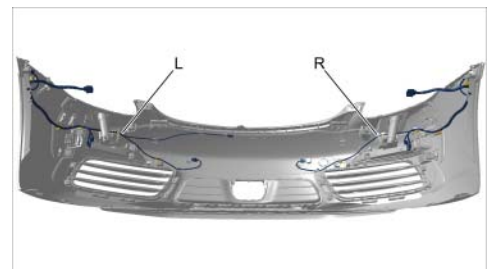


Figure 24

5.7.3 Open the locks ⇒ *Figure 25-1-* (⇒ *Figure 25 -arrow a-*).

Swivel cover on holder up ⇒ *Figure 25 -arrow b-*.

Remove mobile communication antenna (film antenna) ⇒ *Figure 25 -2-* from holder (left/right air guide).

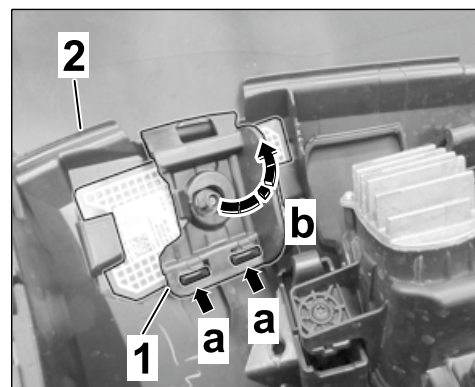


Figure 25

5.7.4 Unscrew screws ⇒ *Figure 26 -3-* and remove auxiliary headlight ⇒ *Figure 26 -1-*.

5.7.5 Remove side direction indicator light at the left/right.

5.8 Fit new speed nuts (999.507.309.02) on front apron and center grille.

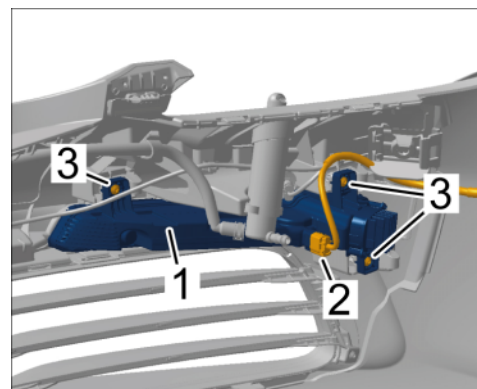


Figure 26

5.8.1 Fit two speed nuts (999.507.309.02) at the left/right ⇒ *Figure 27 -1-* on the front apron.

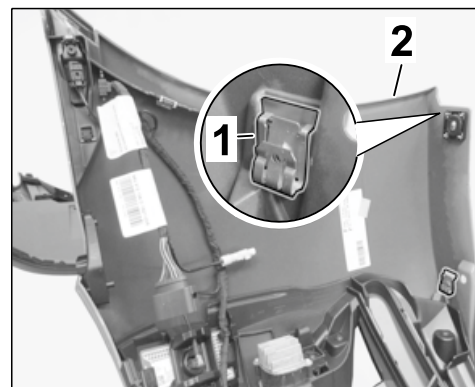


Figure 27



- 5.8.2 Fit speed nut (999.507.309.02) ⇒ *Figure 28-1-* on the front apron at the left/right-hand side ⇒ *Figure 28-2-*.

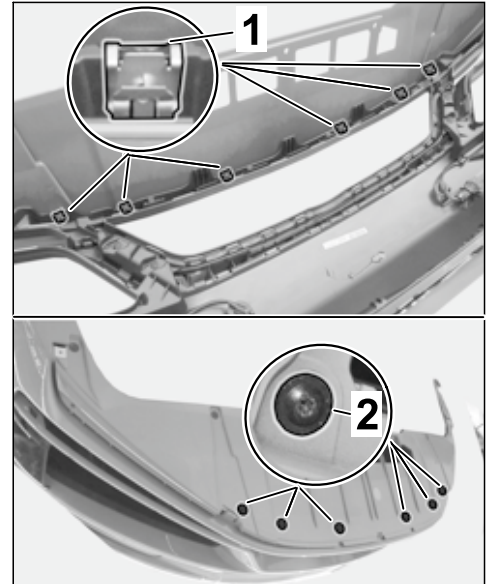


Figure 28

- 5.8.3 Fit speed nuts (999.507.309.02) ⇒ *Figure 29-1-* on the center grille.  
Secure center grille on the front apron with tapping screws (999.073.227.09) ⇒ *Figure 29-2-*.  
**Tightening torque 3.2 Nm (2.2 ftlb.) +/-10 %**

- 5.9 Install new cover for towing lug. ⇒ *Workshop Manual '631555 Replacing front apron'*
- 5.10 Install new front apron. ⇒ *Workshop Manual '631519 Removing and installing front apron'*
- 5.11 Install cover for front lock support. ⇒ *Workshop Manual '703919 Removing and installing cover for front lock support'*
- 5.12 Install front part of front wheel housing liner at the left and right. ⇒ *Workshop Manual '505619 Removing and installing front wheel housing liner'*
- 5.13 Install new spoiler lip.

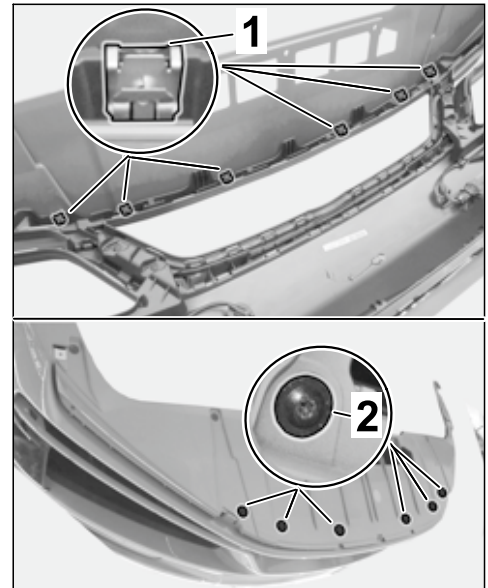


Figure 29



- 5.13.1 First insert the spoiler lip into the front apron at the outside  $\Rightarrow$  *Figure 30* -arrows a- with the help of an assistant and then clip it into the front apron, starting from the outside to the center  $\Rightarrow$  *Figure 30* -arrows-.

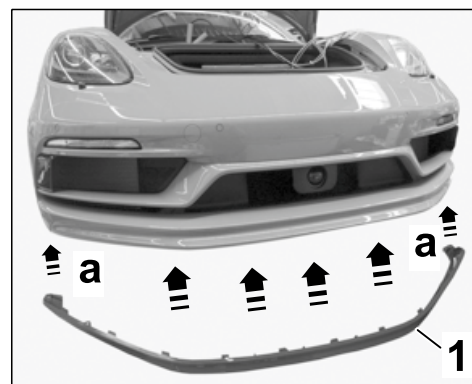


Figure 30

- 5.13.2 Secure spoiler lip with new tapping screws (999.073.227.09)  $\Rightarrow$  *Figure 31* -1-.  
**Tightening torque 3.2 Nm (2.2 ftlb.) +/-10 %**

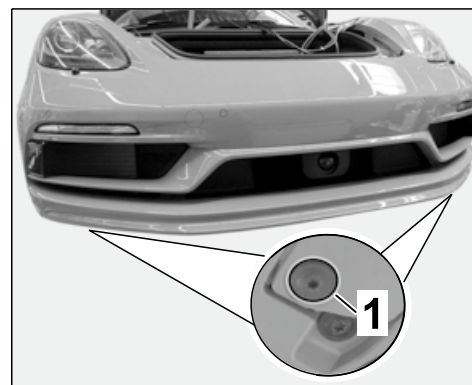


Figure 31

## NOTICE

### Components stored or set down incorrectly

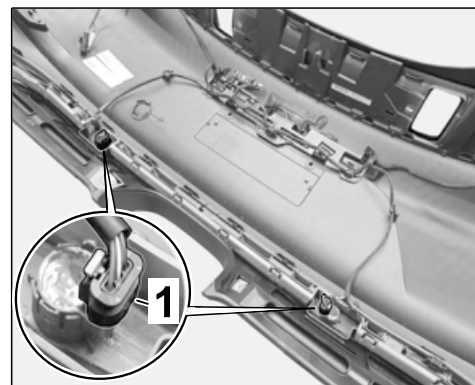
- Risk of damage to component surfaces

$\Rightarrow$  Set the component down on a clean surface, workbench or assembly fixture.

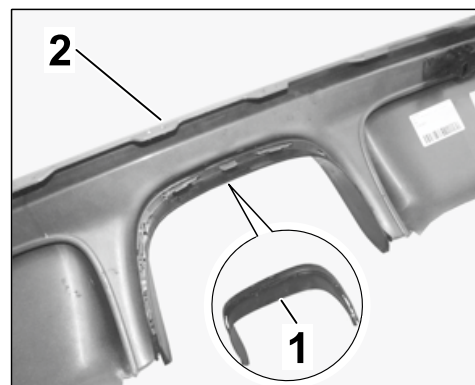
- 6 Remove, convert and install rear apron.

- 6.1 Remove rear apron.  $\Rightarrow$  *Workshop Manual '635519 Removing and installing rear apron'*

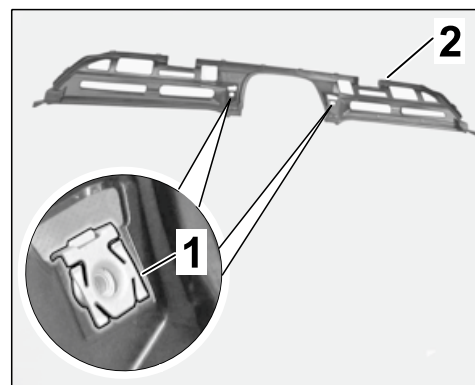
- 6.2 **ONLY** for vehicles with rear ParkAssist:  
Release connectors from ParkAssist sensors  
and disconnect plug connection ⇒ *Figure 32*  
**-1-**.

*Figure 32*

- 6.3 Unclip tailpipe cover trim frame ⇒ *Figure 33*  
**-1-** from the standard rear skirt and clip it into  
the new rear skirt ⇒ *Figure 33* **-2-**.

*Figure 33*

- 6.4 Fit new speed nuts (999.507.856.01) ⇒  
*Figure 34* **-1-** on the rear holder ⇒ *Figure 34*  
**-2-**.

*Figure 34*

- 6.5 **ONLY** for vehicles with rear ParkAssist:  
Fit painted ParkAssist sensors ⇒ *Figure 35*  
-1- into the glued-in holder ⇒ *Figure 35* -2-  
on the rear skirt.

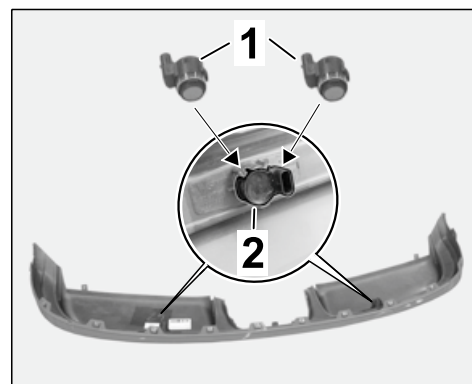


Figure 35

- 6.6 Cut off bar on the painted rear skirt at the  
left/right ⇒ *Figure 36* -1- using a suitable  
tool.

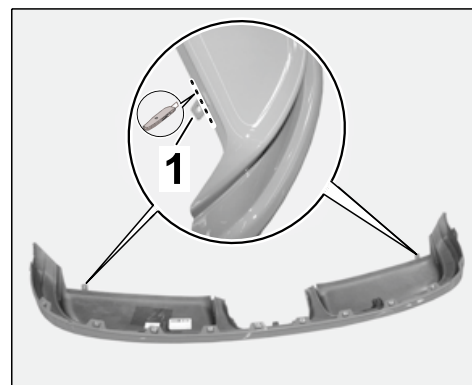


Figure 36

- 6.7 Clip lower holder ⇒ *Figure 37* -1- and rear  
skirt ⇒ *Figure 37* -2- together.

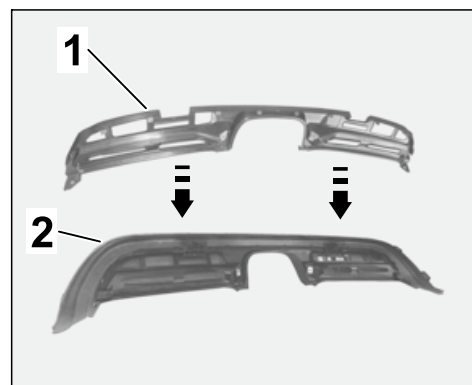


Figure 37

- 6.8 Clip rear skirt ⇒ *Figure 38-1-* and rear apron together. ⇒ *Workshop Manual '636819 Removing and installing rear skirt'*
- 6.9 **ONLY** for vehicles with rear ParkAssist: Connect plug connection for ParkAssist sensors.
- 6.10 Install rear apron. ⇒ *Workshop Manual '635519 Removing and installing rear apron'*

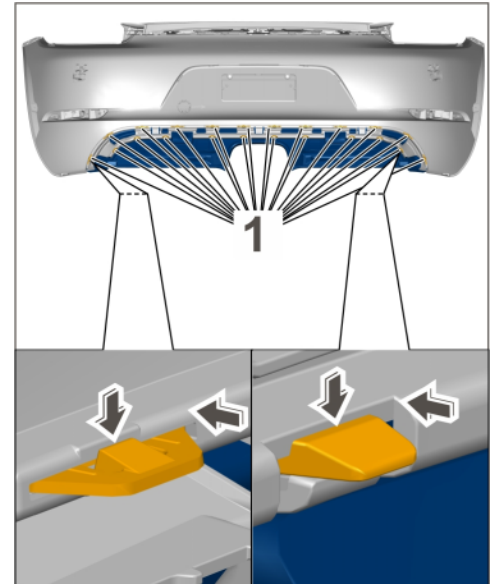


Figure 38

**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
- ⇒ Switch off the ignition and remove the ignition key before disconnecting the control unit.
- ⇒ Ensure that the power supply is not interrupted during programming.
- ⇒ Connect a battery charger with a current rating of at least Nominal value 70 A to the vehicle battery.

**Information**

The **9900 - PIWIS Tester III** 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 **9900 - PIWIS Tester III**.

- 7 Code SportDesign package.
- 7.1 **9900 - PIWIS Tester 3** must be connected and ignition switched on.

- 7.2 Select "Diagnostics". **9900 - PIWIS Tester 3** detects the model line.  
**Press Next.** PIWIS Tester III Diagnostics starts.
- 7.3 Update vehicle data.
- 7.3.1 **Additional menu** must be selected by pressing •F7" . Press •F11" to confirm the question "Create vehicle analysis log (VAL)?".
- 7.3.2 Select the **Maintenance of vehicle data** function. Press •F12" until X numbers appears in the Value group column.
- 7.3.3 Select coding value **XAT - Sport Design package**.  
Press •F12" to change values.
- 7.3.4 Press •F12" until •F8" can be activated.
- 7.3.5 The selected values appear. Press •F8" to write values. Wait until the following message appears: **Generation of vehicle data is complete. Press .....**  
Press •F11" to switch to the control unit overview.
- 7.4 Adapt coding.
- 7.4.1 Select all control units by pressing •Ctrl A" .
- 7.4.2 Switch to the **Coding/programming** menu.  
Select **Automatic coding** mode. Press •F12" to continue.
- 7.4.3 Wait until the following message appears: **Coding was completed successfully**.  
Press •F12" to continue.  
Press •F12" to return to the **Overview** menu.
- 7.5 Read out the fault memory of all systems, correct any existing faults, and erase the fault memory. ⇒ *Workshop Manual '033500 Fault memory for on-board diagnosis'*
- 7.6 **ONLY** for vehicles on which the middle radiator (153) was retrofitted:  
Fill in coolant and bleed the cooling system. ⇒ *Workshop Manual '190107 Bleeding the cooling system'*
- 7.7 Switch off ignition and disconnect **9900 - PIWIS Tester 3**.
- 7.8 Disconnect the battery charger. ⇒ *Workshop Manual '2X00IN Battery trickle charging'*
- 8 **ONLY** for vehicles on which the middle radiator (153) was retrofitted:  
Fill in refrigerant R1234yf. ⇒ *Workshop Manual '870317 Draining and filling refrigerant R1234yf'*  
or  
Fill in refrigerant R134a. ⇒ *Workshop Manual '870317 Draining and filling refrigerant R134a'*

66996271:	SportDesign package complete (rear skirt, spoiler for front apron, skid plate and front apron), new part painted Includes: Materials: 31 MU Without: Paint preparation (separate LO No.)!	Labor time: <b>330 TU</b>
51017105:	Preparing body paintwork Includes: Order-based; New part painting Step 1; Plastic part	Labor time: <b>130 TU</b>
66993110:	SportDesign package installed Includes: Removing and installing front apron and bumper, completing new front apron and fitting new spoiler on front apron. Removing and installing rear apron, completing new rear skirt and fitting it on rear apron.	Labor time: <b>427 TU</b>
66993105:	SportDesign package installed Includes: Removing and installing front apron and bumper, completing new front apron and fitting new spoiler on front apron. Installing middle radiator. Removing and installing rear apron, completing new rear skirt and fitting it on rear apron. Testing front lights and 3rd brake light. Programming/coding "SportDesign package – XAT" option. Without: Bleeding the cooling system (separate LO No.)!	Labor time: <b>455 TU</b>
<b>ONLY</b> for vehicles without middle radiator:		
87461950:	Removing and installing condenser/washer fluid reservoir line Includes: section from condenser to connection point in wheel housing	Labor time: <b>17 TU</b>
19010750:	Bleeding the cooling system	Labor time: <b>62 TU</b>
87031750:	Draining and filling refrigerant Includes: Refrigerant R134a	Labor time: <b>77 TU</b>

87031760: Draining and filling refrigerant  
Includes: Refrigerant R1234yf

Labor time: **83 TU**

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