

"21-inch" Wheel Arch Extension

Concern: **Retrofitting**

Model Year: **As of 2018**

Subject: **ALL** vehicles **except** Cayenne Turbo!
ALL vehicles with 20-inch or smaller wheels!

Restrictions: **NOT** approved for vehicles with SportDesign package (I-no. 2D0)!

Notes: To give the basic models of the Cayenne (9YA) a customized look, a ready-primed "21-inch" wheel arch extension ⇒ *Figure 1* is available as a retrofit option. This comes as standard on the Cayenne Turbo (9YA).

If the wheels on the basic vehicle are to be changed to 21 or 22-inch wheels, this modification is **ONLY** approved together with the "21-inch" wheel arch extension!



Figure 1

Parts Info: **9Y0.044.820**

⇒ "21-inch" wheel arch extension

Parts list:

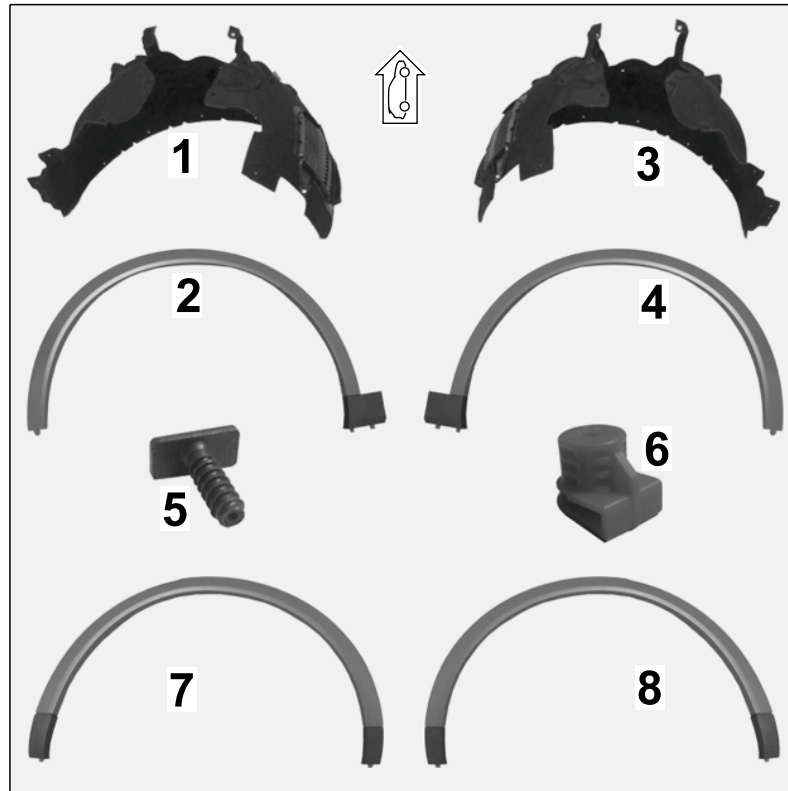


Figure 2

9Y0.810.971.E	1 x	Wheel housing liner, front – left ⇒ Figure 2-1-
9Y0.853.717.K.G2X	1 x	Wheel cover, front – left; ready-primed ⇒ Figure 2-2-
9Y0.810.972.E	1 x	Wheel housing liner, front – right ⇒ Figure 2-3-
9Y0.853.718.K.G2X	1 x	Wheel cover, front – right; ready-primed ⇒ Figure 2-4-
— — —	4 x	T-bolt ⇒ Figure 2-5-
— — —	22 x	Clip ⇒ Figure 2-6-
9Y0.854.731.J.G2X	1 x	Wheel cover, rear – left; ready-primed ⇒ Figure 2-7-
9Y0.854.732.J.G2X	1 x	Wheel cover, rear – right; ready-primed ⇒ Figure 2-8-

Materials:	— — —	— — —	Cleaning cloth (commercially available)
	— — —	— — —	Isopropanol (commercially available)

Tools:	9900 - PIWIS Tester 3	Gap dimension gauge
	Shop light	

Work Procedure: 1 Preparatory work

CAUTION

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 Painting wheel cover

1.1.1 Mask trims (black grained ⇒ *Figure 3*) on wheel covers.

- 1 – Trim (black grained – wheel cover, front)
- 2 – Trim (black grained – rear wheel cover – door sill area)
- 3 – Trim (black grained – rear wheel cover – rear apron area)

1.1.2 Paint all ready-primed areas of the wheel cover to match the vehicle's color code in accordance with the "Paint Manual".

1.1.3 Carefully expose trim (black grained ⇒ *Figure 3-1-3-*) from the masking.

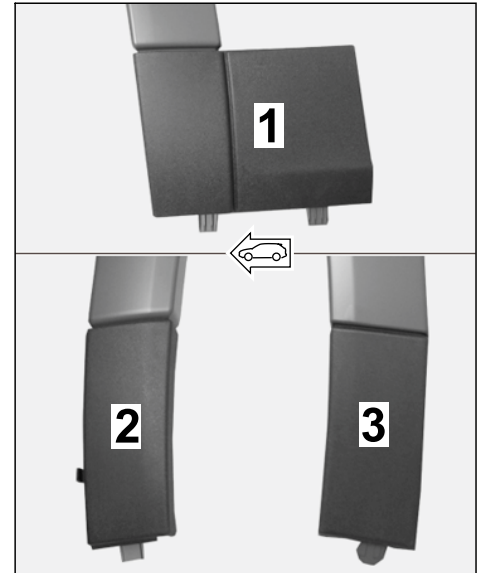


Figure 3

NOTICE

Incorrect procedure

- Risk of damage to paintwork
- ⇒ Do not use tools with sharp edges.
- ⇒ Cover the area you are working on.
- ⇒ Do not use aggressive cleaning agents/solvents.

1.1.4 Fit clip on wheel cover (inside) (⇒ *Figure 4 -A-*).

- 1 – Clip
- 2 – T-bolt
- 3 – Inside of wheel cover

1.1.5 Fit T-bolts on wheel cover (inside) (⇒ *Figure 4 -B-*).

1.2 Drive the vehicle onto a lifting platform and connect battery charger (⇒ *Workshop Manual '2X00IN Battery trickle charging'*).

1.3 Raise the vehicle (⇒ *Workshop Manual '4X00IN Lifting the vehicle'*).

1.4 Remove front wheel housing liner (⇒ *Workshop Manual '505619 Removing and installing front wheel housing liner'*).

1.5 Remove standard front wheel cover (⇒ *Workshop Manual '661919 Removing and installing front wheel cover'*).

1.6 Loosen standard rear wheel housing liner in the wheel housing side panel area (⇒ *Workshop Manual '536919 Removing and installing rear wheel housing liner'*).

1.7 Remove rear wheel housing liner (lower section) (⇒ *Workshop Manual '53691903 Removing and installing rear wheel housing liner (lower section)'*).

2 Installing new painted wheel cover (front axle)

2.1 Guide tabs/pins (at the ends of the wheel cover) into the side skirts and front apron (⇒ *Figure 5*).

- 1 – Pin
- 2 – Tab
- 3 – Side skirts
- 4 – Front apron

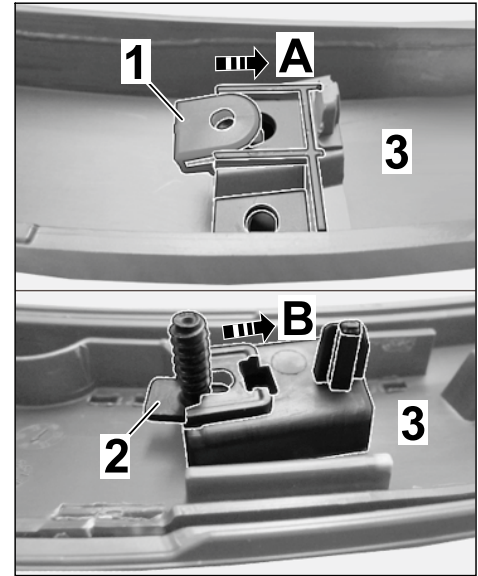


Figure 4

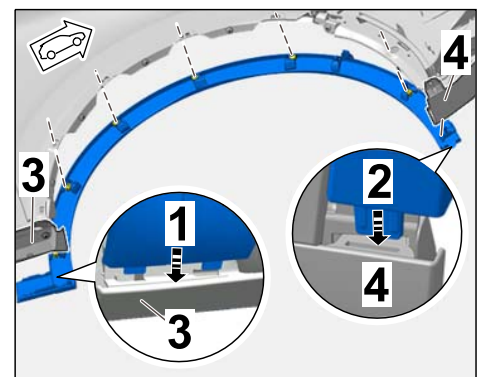


Figure 5

- 2.2 Position pin at the very top clip (at 12 o'clock position) in the fender and screw TP4 x 14 screw (1 x) into the clip on the wheel cover (⇒ *Figure 6 -A-*).

- 1 – Pin
- 2 – Screw, TP4 x 14

Screw, TP4 x 14 (1 x): **Tightening torque 1.5 Nm (1 ftlb.)**

- 2.3 Clip in wheel cover holder in the fender area (⇒ *Figure 6 -B-*).

- 2.4 Clip in wheel cover in the front apron area (2 x ⇒ *Figure 6 -C-*).

- 2.5 Screw TP4 x 14 screws (5 x) into the remaining clips on the wheel cover in accordance with the tightening sequence (⇒ *Figure 6 -D-* and ⇒ *Figure 6 -E-*).

Screw, TP4 x 14 (5 x): **Tightening torque 1.5 Nm (1 ftlb.)**

- 2.6 Install new front wheel housing liner (⇒ *Workshop Manual '505619 Removing and installing front wheel housing liner'*).

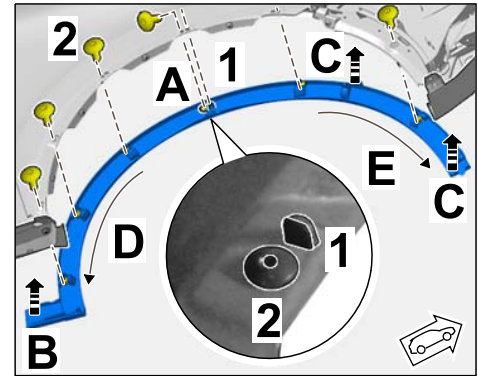


Figure 6

3 Installing new painted wheel cover (rear axle)

- 3.1 Guide tabs (at the ends of the wheel cover) into the rear apron and side skirts (⇒ *Figure 7*).

- 1 – Tab – rear
- 2 – Tab – front
- 3 – Rear apron
- 4 – Side skirts
- 5 – Pin
- 6 – Hexagon nut A5

- 3.2 Position pin and very top T-bolt (at 12 o'clock position) in the side panel and screw A5 hexagon nut (1 x) onto the T-bolt (⇒ *Figure 7 -6-*).

Hexagon nut, A5 (1 x): **Tightening torque 1.5 Nm (1 ftlb.)**

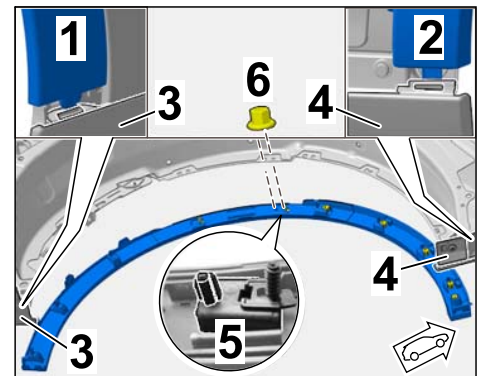


Figure 7

- 3.3 Clip wheel cover into brackets on rear apron (3 x ⇒ *Figure 8-A-*).

- 1 – Rear apron
2 – Side skirts
3 – Clip

- 3.4 Screw TP4 x 14 screws (5 x) into the remaining clips on the wheel cover in accordance with the tightening sequence (⇒ *Figure 8-B-*).

Screw, TP4 x 14 (5 x): **Tightening torque 1.5 Nm (1 ftlb.)**

- 3.5 Screw A5 hexagon nut (1 x) onto the second T-bolt (⇒ *Figure 8-C-*).

Hexagon nut, A5 (1 x): **Tightening torque 1.5 Nm (1 ftlb.)**

- 3.6 Install rear wheel housing liner (lower section) (⇒ *Workshop Manual '53691903 Removing and installing rear wheel housing liner (lower section)*).

- 3.7 Secure standard rear wheel housing liner in the wheel housing side panel area (⇒ *Workshop Manual '536919 Removing and installing rear wheel housing liner*).

4 Concluding work

- 4.1 Lower the vehicle (⇒ *Workshop Manual '4X00IN Lifting the vehicle*).
- 4.2 **9900 - PIWIS Tester 3** must be connected to the vehicle and then switched on.
- 4.3 Read out the fault memory of all systems, work through any existing faults, and erase the fault memory (⇒ *Workshop Manual '033500 Fault memory for on-board diagnosis*).
- 4.4 Disconnect battery charger (⇒ *Workshop Manual '2X00IN Battery trickle charging*) and drive the vehicle off the lifting platform.

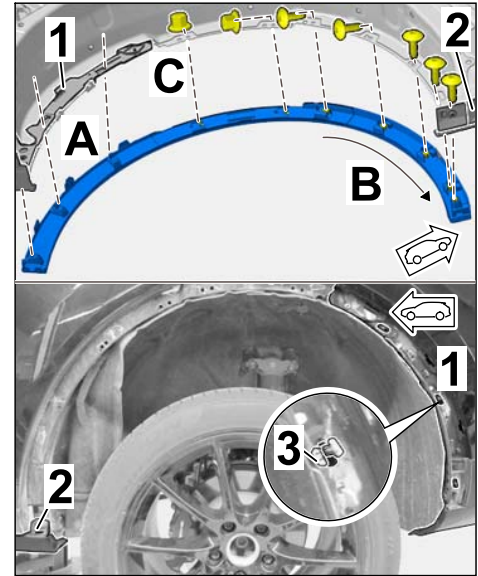


Figure 8

- 66 99 61 71: –Wheel cover (4 ea.), new part painted–
Includes: Materials: 12 MU
Without: Paint preparation (separate LO No.)! Labor time: **160 TU**
- 51 01 71 05: –Body paintwork prepared
Includes: Order-based;
New part painting Step 1;
Plastic part Labor time: **130 TU**
- 66 99 55 40: –Wheel cover (4 ea.) removed and installed–
Includes: Removing front wheel housing liner.
Installing new front wheel housing liner.
Loosening and securing rear wheel housing liner, front/rear
wheel cover (left/right) replaced. Labor time: **264 TU**

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