

Sports exhaust system (I-no. 0P8)

Vehicle Type: **Cayenne S**

Model Year: **As of 2008**

Situation: **Retrofitting**

Engine Type: **M4801**

Restriction: **Only** for vehicles with Tiptronic (I-no. IG0R). **Not** approved for Taiwan (country code C14) or Korea (country code C39).

Note: The Porsche sound - powerful, robust, sporty. And the best thing about it is: it can be even more powerful, more robust, more sporty with the sports exhaust system. The sound changes according to how the vehicle is driven: you still get the discreet standard sound with a steady driving style, while the sound becomes distinctly more lively during sporty driving.

As soon as the sports exhaust system is activated by pressing the Sport button, the signal for activating the flaps in the rear silencers comes from the maps in the DME control unit.

The rear skirt (upper part) must be replaced when fitting the sports exhaust system on the Cayenne S. The Turbo rear skirt (upper part) and the relevant accessories are not part of the sports exhaust system set and must be ordered separately.

The Turbo rear skirt does **not** need to be ordered or converted on vehicles with sports tailpipes (I-no. 0P3).



Part Nos.: **955.044.200.02**
955.044.200.08

⇒ Set, sports exhaust system
⇒ Set, rear skirt (upper part) - Turbo

Parts List:

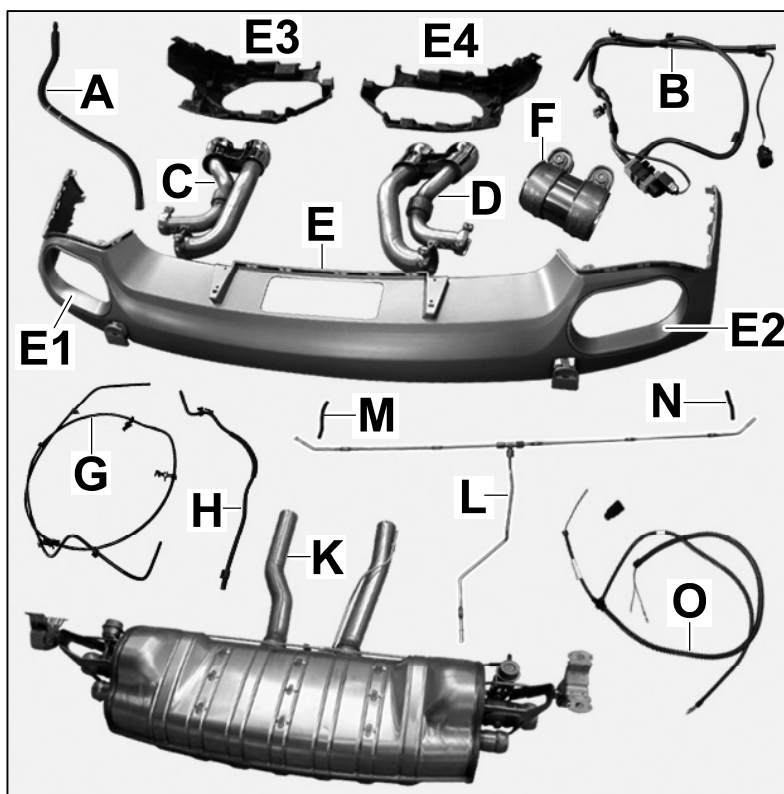


Figure 2

955.111.160.00	1 x	Vacuum line in engine compartment ⇒ Figure 2 -A-
955.111.160.10	1 x	Vacuum line in wheel housing ⇒ Figure 2 -B-
955.111.160.20	1 x	Vacuum line at door sill ⇒ Figure 2 -G-
955.111.160.30	1 x	Rear-axle vacuum line ⇒ Figure 2 -H-
955.044.200.07	1 x	Electric line ⇒ Figure 2 -O-
955.111.121.80	1 x	Rear silencer ⇒ Figure 2 -K-
955.111.710.00	1 x	Vacuum hose, right ⇒ Figure 2 -M-
955.111.709.00	1 x	Vacuum hose, left ⇒ Figure 2 -N-
955.111.160.40	1 x	Rear silencer control line ⇒ Figure 2 -L-
955.111.251.60	1 x	Tailpipe, left ⇒ Figure 2 -C-
955.111.252.60	1 x	Tailpipe, right ⇒ Figure 2 -D-
955.111.220.12	2 x	Clamping sleeve ⇒ Figure 2 -F-
955.044.200.08	1 x	Set, Turbo rear skirt (upper part) consisting of: Rear skirt ⇒ Figure 2 -E- Exhaust system cover, left ⇒ Figure 2 -E1- and Exhaust system cover, right ⇒ Figure 2 -E2- Frame, right ⇒ Figure 2 -E3- and Frame, left ⇒ Figure 2 -E4-

Notes: Identifying features when installed.
The outside of the rear silencer is marked as follows: Porsche logo; code 948/38 and Part No.: 7L5.253.611.AF.
The markings on the tailpipes are not visible when installed. Porsche logo; right tailpipe - Part No.: 7L5.253.682.K, left tailpipe - Part No.: 7L5.253.681.K.

The respective legal regulations must be observed in the various countries.

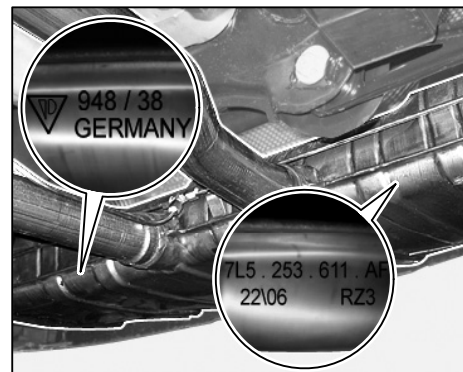


Figure 3

Applicable only in Germany:

The CD entitled "Manufacturer's Certificates and Parts Certificates" includes a relevant excerpt from the EU type approval system. If not, this excerpt can be requested from the PDA department at Porsche Deutschland GmbH. On the enclosure of this excerpt, the fitting of components in accordance with regulations is to be confirmed by the Porsche Centre performing the work and handed over to the customer. Approval of installation or fitting as per § 19 or § 21 StVZO (German Federal Motor Vehicle Safety Standards) and revision of the vehicle documents is not necessary. However, the excerpt with confirmation of fitting in accordance with regulations must be carried in the vehicle.

Tools: Chain pipe cutters Nr.166
Hot-air gun Nr.155-1 Pos.2
Cable repair kit Nr.155-1 Pos.1
Press-out tool set Nr.155 Pos.1

- Fitting:
- 1 Preparatory work:
 - 1.1 **Only** for vehicles without sports tailpipes (I-no. OP3):
Paint Turbo Look rear skirt (upper part) according to instructions in the Paint Manual.
 - 1.2 Open the bonnet and connect battery charger. ⇒ *Workshop Manual '9000IN Battery trickle charging'*
 - 1.3 Remove cowl panel cover. ⇒ *Workshop Manual '664419 Removing and installing cowl panel cover'*
 - 1.4 Remove engine compartment trim panel at the right and rear. ⇒ *Workshop Manual '700219 Removing and installing front trim (engine compartment)'*
 - 1.5 Remove DME control unit and support. ⇒ *Workshop Manual '247019 Removing and installing DME control unit'*
 - 1.6 Remove centre cover at the right. ⇒ *Workshop Manual '519319 Removing and installing centre cover'*
 - 1.7 Remove tank for windscreen washer system. ⇒ *Workshop Manual '92601900 Removing and installing tank for windscreen washer system'*
 - 1.8 **Only** for vehicles without sports tailpipes (I-no. OP3):
Remove rear apron. ⇒ *Workshop Manual '635519 Removing and installing rear apron'*

- 1.9 Remove rear silencer. ⇒ *Workshop Manual '263355 Replacing rear silencer'*
- 2 Install rear silencer.
 - 2.1 Install rear silencer control line ⇒ *Figure 4 -A-* into the rear silencer holders ⇒ *Figure 4 -C-*.
Slide vacuum hoses ⇒ *Figure 4 -B-* onto the vacuum unit.
Slide vacuum hose as far as it will go ⇒ *Figure 4 -arrow-* onto the rear silencer control line.

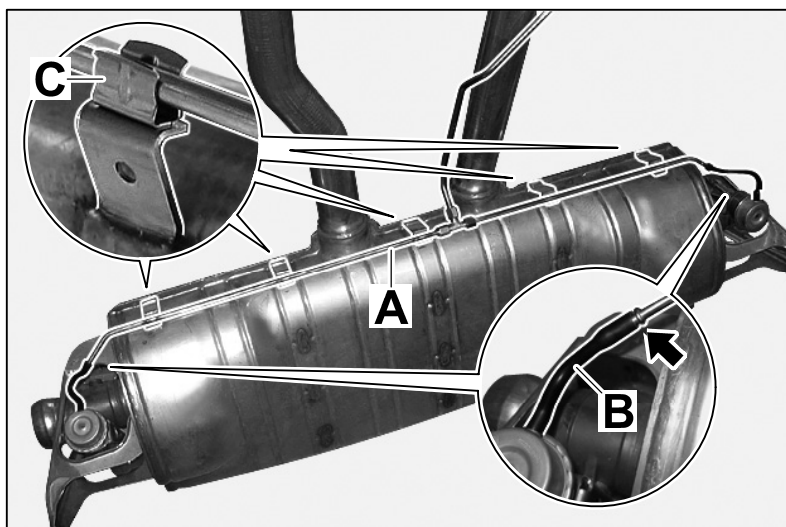


Figure 4

- 2.2 Install rear silencer. ⇒ *Workshop Manual '263355 Replacing rear silencer'*
- 3 Route vacuum lines.
 - 3.1 Route rear-axle vacuum line ⇒ *Figure 5 -A-* from the connection at the rear silencer control line over the assembly carriage to the longitudinal member.

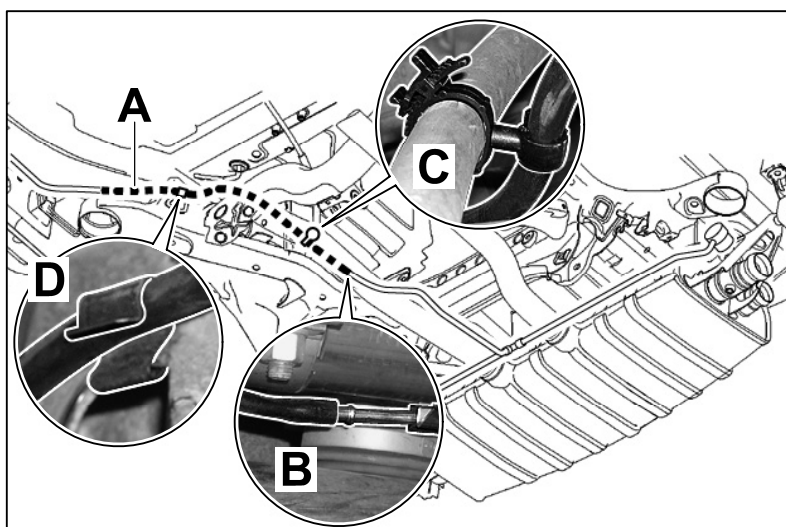


Figure 5

- 3.1.1 Fasten rear-axle vacuum line to the handbrake line with a tie-wrap ⇒ *Figure 5 -C-*.
- 3.1.2 Fasten rear-axle vacuum line to the assembly carriage with a clip ⇒ *Figure 5 -D-*.
- 3.1.3 Slide rear-axle vacuum line onto the rear silencer control line ⇒ *Figure 5 -B-*.
- 3.2 Route vacuum line at door sill.

- 3.2.1 Unscrew fastening screws ⇒ *Figure 6 -A, B and C-* on the compressor and support compressor using suitable devices. ⇒ *Workshop Manual '43151900 Removing and installing compressor for the levelling system'*

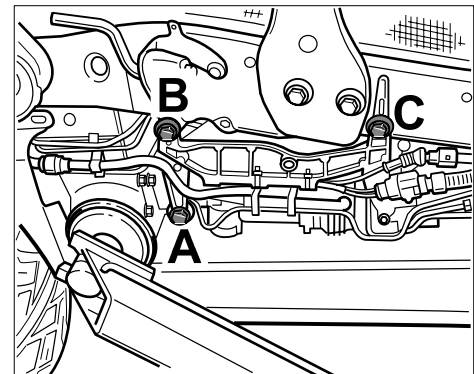


Figure 6

- 3.2.2 Route vacuum line at door sill ⇒ *Figure 7 -A-* back from the front wheel-housing trim area ⇒ *Figure 7 -inset C-* over the compressor and clip it in on the existing brake pressure lines ⇒ *Figure 7 -B and D-*.

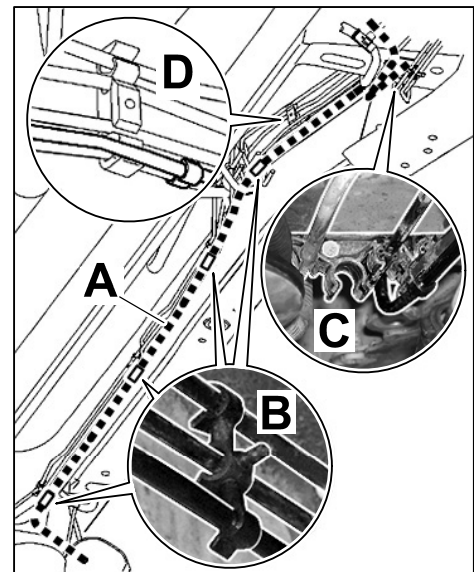


Figure 7

- 3.3 Release compressor and tighten fastening screws on the compressor ⇒ *Figure 6-A, B and C-*.
- 3.4 Route vacuum line in wheel housing.

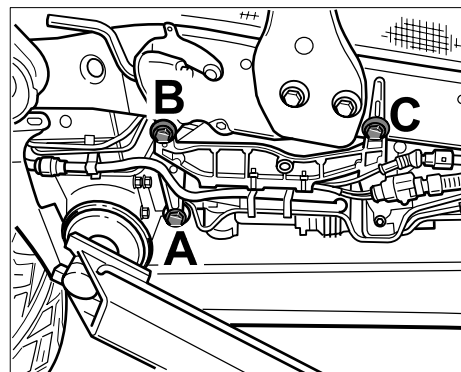


Figure 8

- 3.4.1 Fasten vacuum line in wheel housing ⇒ *Figure 9-A-* to the wheel housing using a change-over valve retaining clip ⇒ *Figure 9-C-* and a retaining clip ⇒ *Figure 9-arrow-*.
- 3.4.2 Join vacuum line in wheel housing to vacuum line at door sill ⇒ *Figure 9-B-*.
- 3.4.3 Slide retaining clip onto the seam ⇒ *Figure 9-D-* on the wheel housing.

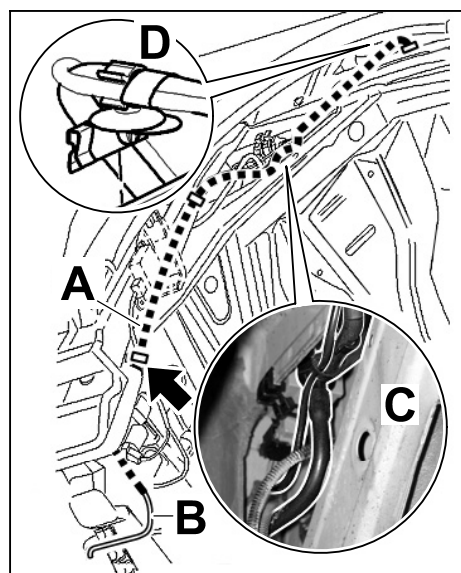


Figure 9

- 3.4.4 Route vacuum line in wheel housing ⇒ *Figure 10-A-* between the wing and the wheel housing to the engine compartment. Fit retaining clip ⇒ *Figure 10-B-* on the breather hose for the engine.
- 3.5 Route vacuum line in engine compartment.

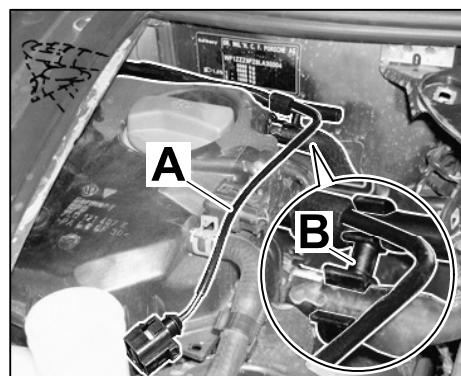


Figure 10

- 3.5.1 Pull dummy plug $\Rightarrow$ *Figure 11 -A-* off the Y-piece of the vacuum line.

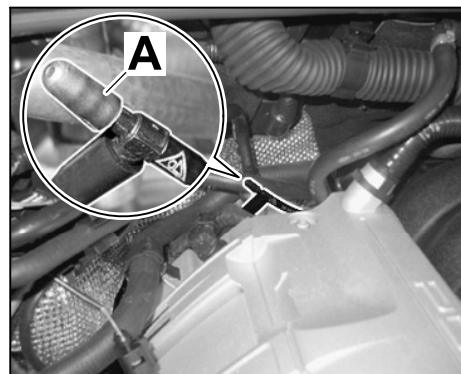


Figure 11

- 3.5.2 Attach vacuum line in engine compartment $\Rightarrow$ *Figure 12 -A-* to the Y-piece $\Rightarrow$ *Figure 12 -inset-* and join it to the vacuum line in the wheel housing $\Rightarrow$ *Figure 12 -B-*.



Note

Observe marking on the vacuum line in the engine compartment.

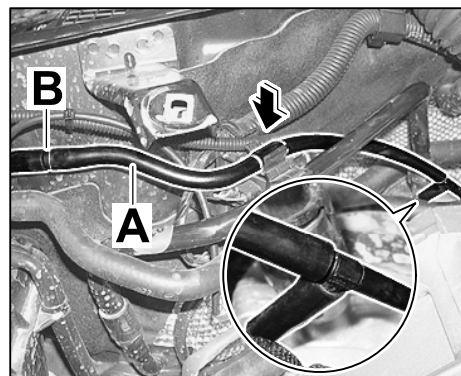


Figure 12

- 3.5.3 Fit vacuum line in engine compartment into the holder $\Rightarrow$ *Figure 12 -arrow-*.

4 Connect electric line.

4.1 Block diagram of sports exhaust system

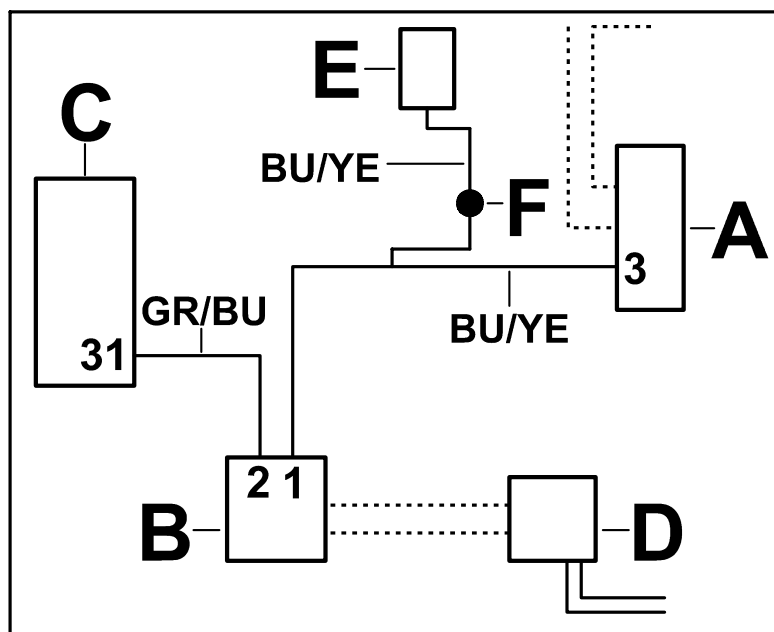


Figure 13

- A** – 3-pin connector for air-conditioning pressure switch
- B** – Connection point for exhaust flap valve
- C** – 58-pin connector for DME control unit
- D** – Control valve
- E** – F10 fuse, left E-box
- F** – Splice

- 4.2 Press out socket contacts ⇒ Figure 14
-B- using the press-out tool ⇒ Figure 14
-C- to remove them from the exhaust flap valve connector ⇒ Figure 14 **-A-**.
- 4.3 Route electric line.

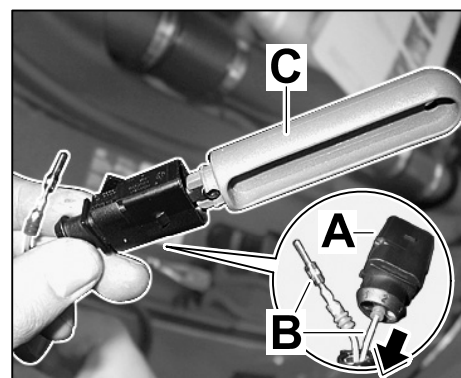


Figure 14

- 4.3.1 Remove rubber sleeve $\Rightarrow$ *Figure 15 -A-* from the bulkhead at the right and punch it.

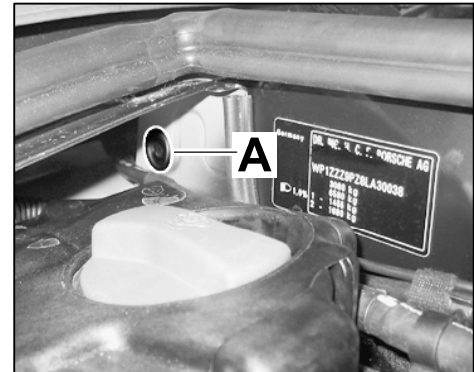


Figure 15

- 4.3.2 Guide electric line through the rubber sleeve. The white marking $\Rightarrow$ *Figure 16 -A-* on the electric line determines the position of the rubber sleeve.

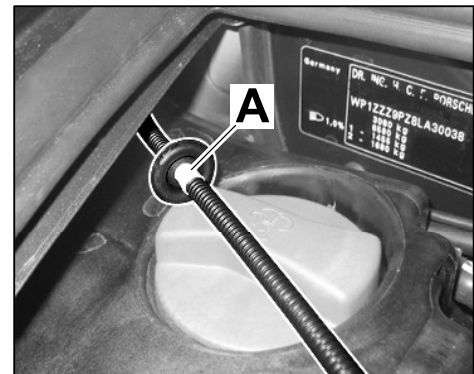


Figure 16

- 4.3.3 Route electric line $\Rightarrow$ *Figure 17 -A-* through the bulkhead to the air-conditioning pressure switch.
- 4.4 Connect GY/BU line to the 58-pin connector on the DME control unit.

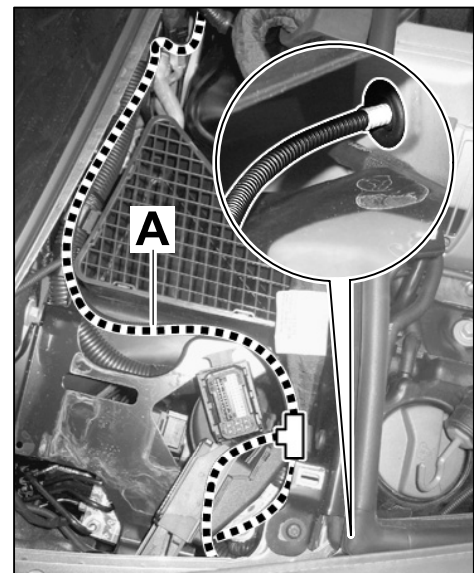


Figure 17

- 4.4.1 Remove tie-wrap ⇒ *Figure 18 -A-*. Open the locks ⇒ *Figure 18 -arrows-* and remove cover ⇒ *Figure 18 -B-* on connector.

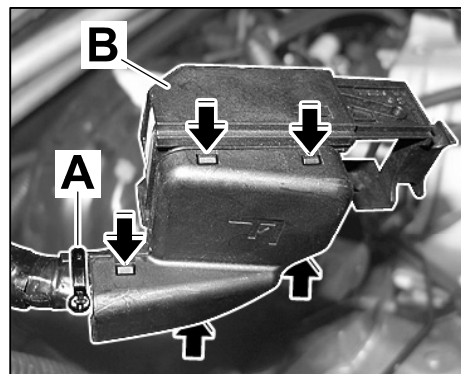


Figure 18

- 4.4.2 Open secondary lock.



Figure 19

- 4.4.3 Carefully release locking lugs ⇒ *Figure 20 -arrows-* and press plug socket (chamber 1-32) out of the connector housing.

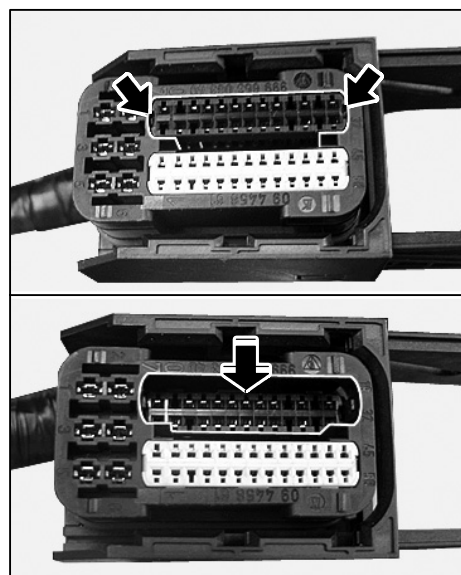


Figure 20

- 4.4.4 Pull plug bush ⇒ *Figure 21 -B-* out of the plug socket ⇒ *Figure 21 -A-*.

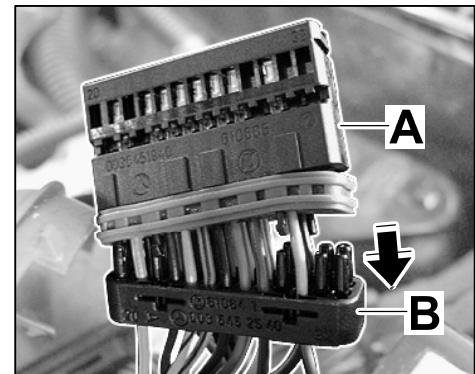


Figure 21

- 4.4.5 Break sealing plug ⇒ *Figure 22 -A-* out of chamber 31. Use a suitable tool to remove any pieces that do not break off ⇒ *Figure 20 -arrow-*.

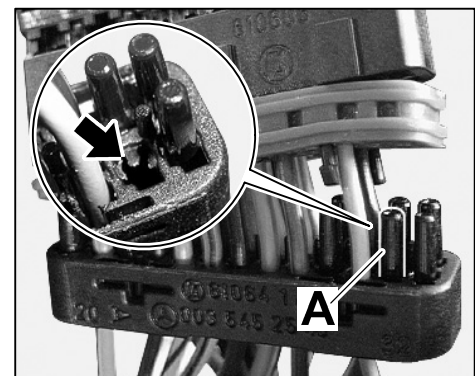


Figure 22

- 4.4.6 Check continuity of plug bush with socket contact of GY/BU line ⇒ *Figure 23 -A-*.

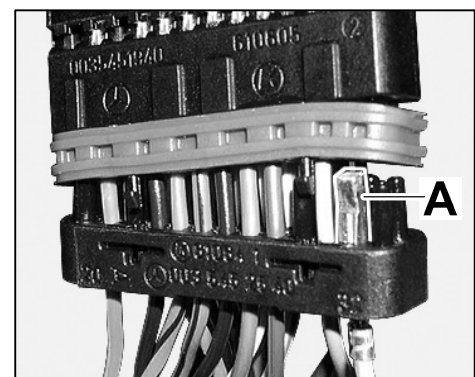


Figure 23



Note

Ensure socket contact is seated securely.

- 4.4.7 Insert socket contact of GY/BU line ⇒ *Figure 24 -A-* into chamber 31 of the plug socket and fit plug bush ⇒ *Figure 24 -B-* into the connector housing.

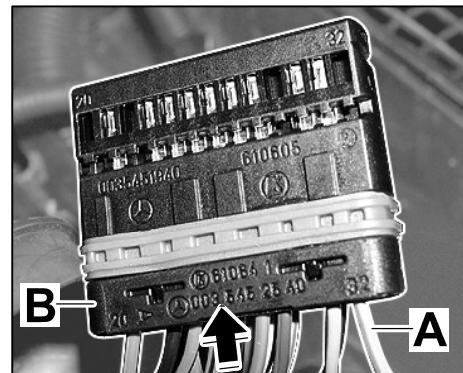


Figure 24

- 4.4.8 Push plug socket into connector housing ⇒ *Figure 25 -arrow-* until the locking lugs lock with an audible click.



Figure 25

- 4.4.9 Insert secondary lock ⇒ *Figure 26 -arrow-* and close it.

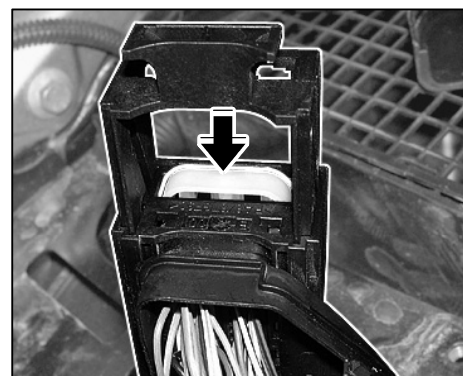


Figure 26

- 4.5 Secure line $\Rightarrow$ Figure 27 **-A-** to original wire harness for DME control unit with wrapping tape $\Rightarrow$ Figure 27 **-arrow-**.

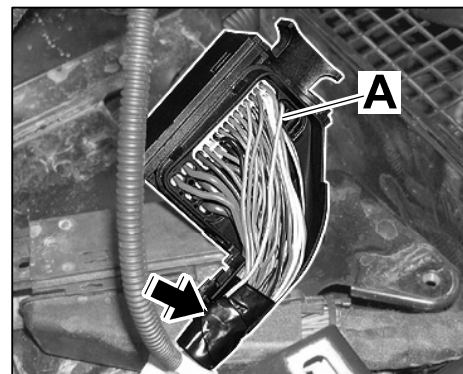


Figure 27

- 4.6 Fit cover $\Rightarrow$ Figure 28 **-A-** and secure with a tie-wrap $\Rightarrow$ Figure 28 **-B-**.

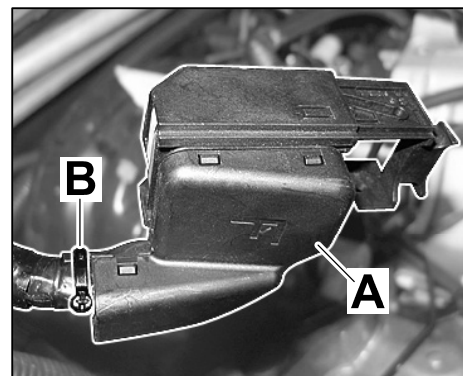


Figure 28

- 4.7 Connect BU/YE lines (retrofit kit) to the connector for the air-conditioning pressure switch $\Rightarrow$ Figure 30 **-A-**.

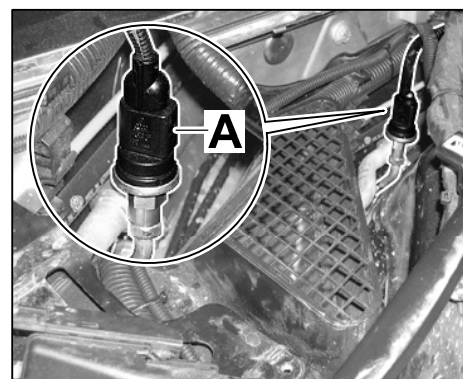


Figure 29

- 4.7.1 Pull off connector for air-conditioning pressure switch and open secondary lock ⇒ *Figure 30 -A-*.

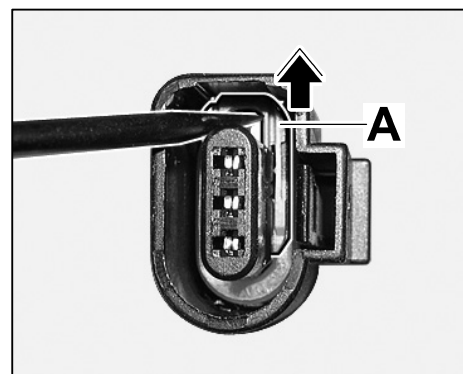


Figure 30

- 4.7.2 Press socket contact of line (BU/YE) out of chamber 3.



Figure 31



Note

Ensure socket contact is seated securely.

- 4.7.3 Insert socket contact of line (BU/YE) ⇒ *Figure 32 -A-* from the retrofit kit into chamber 3.

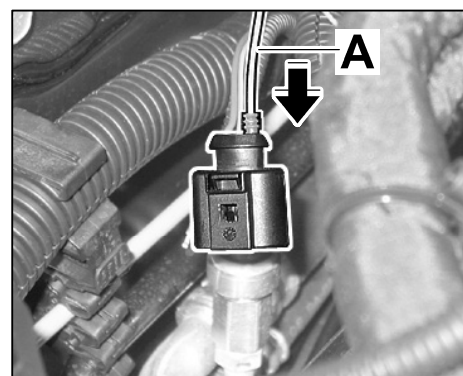


Figure 32

- 4.7.4 Crimp original line (BU/YE) from connector for air-conditioning pressure switch ⇒ *Figure 33 -B-* and second line (BU/GY) from retrofit kit ⇒ *Figure 33 -A-* together. To do this: Remove approx. 15 mm of insulation from the ends of the lines, slide shrink-fit hose over one end of the lines, crimp together with an insulated cable connection, slide shrink-fit hose over the insulated cable connection and shrink hose with a hot-air gun to make it watertight.

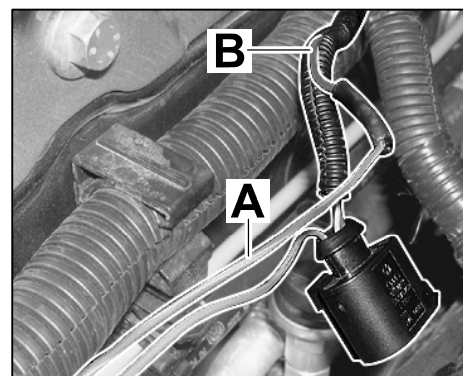


Figure 33

- 4.7.5 Bind the crimp connection to the flexible hose with wrapping tape. Connect air-conditioning pressure switch.
- 4.7.6 Secure line from retrofit kit to the wire harness at the side of the vehicle with tie-wraps ⇒ *Figure 34 -arrows-*.

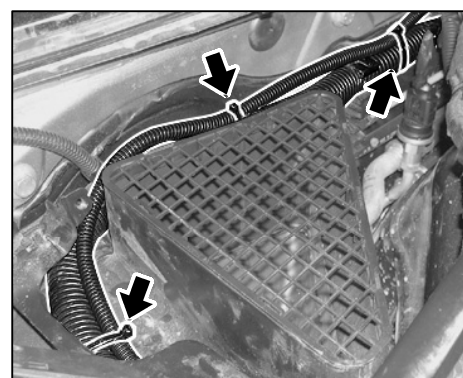


Figure 34



Note

Make sure dummy seal is seated correctly.

- 4.8.1 Insert socket contact of BU/YE line into chamber 1 and socket contact of GR/BU line into chamber 2 of the connector for the exhaust flap valve.



Note

Make sure dummy seal is seated correctly.

- 4.8.2 Press dummy seal ⇒ *Figure 34 -A-* into chamber 3.

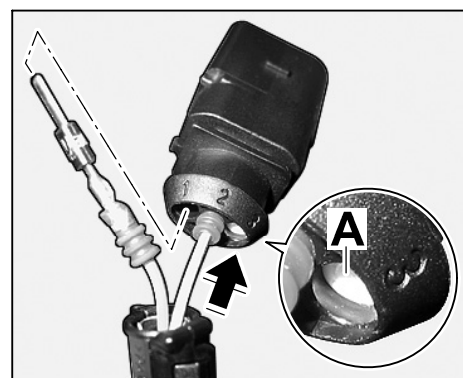


Figure 35

- 4.8.3 Fit connector for exhaust flap valve at holder ⇒ *Figure 36 -B-* and join connection point ⇒ *Figure 36 -A-*.

5 Partially complete the vehicle.

- 5.1 Install DME control unit and support. ⇒ *Workshop Manual '247019 Removing and installing DME control unit'*

- 5.2 Install cowl panel cover. ⇒ *Workshop Manual '664419 Removing and installing cowl panel cover'*

- 5.3 Install engine compartment trim panel at the right and rear. ⇒ *Workshop Manual '700219 Removing and installing front trim (engine compartment)'*

- 5.4 Install tank for windscreen washer system. ⇒ *Workshop Manual '92601900 Removing and installing tank for windscreen washer system'*

6 Replace old rear skirt (upper part) with the new Turbo Look rear skirt (upper part). ⇒ *Workshop Manual '636819 Removing and installing rear skirt'*

7 Concluding work:

- 7.1 Install rear apron. ⇒ *Workshop Manual '635519 Removing and installing rear apron'*

7.2 Install right and left tailpipe.

- 7.2.1 Move tailpipe with protective tube ⇒ *Figure 37 -B-* into installation position.

- 7.2.2 Tighten front tailpipe clamp ⇒ *Figure 37 -A-* slightly but ensure that the tailpipe can still be moved.

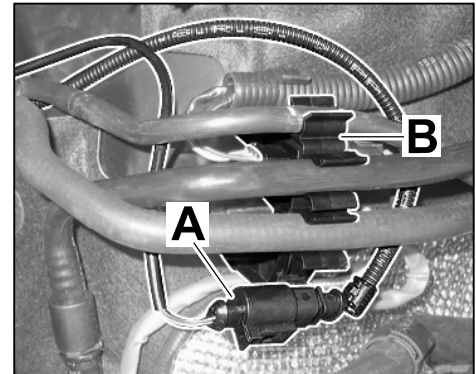


Figure 36

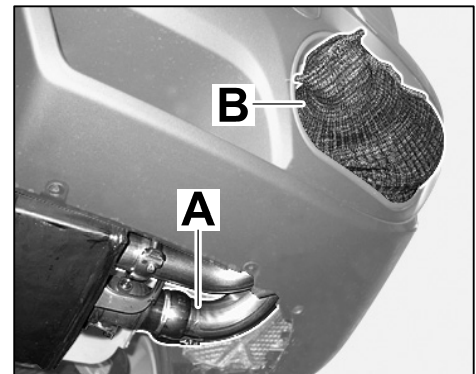


Figure 37

- 7.2.3 Adjust the gap between the tailpipe and the cover on the exhaust system.

Y – 18 mm

Z – 20 mm

- 7.2.4 First tighten tailpipe clamp with $\varnothing D=60$ mm and then tailpipe clamp with $\varnothing D=50$ mm.

Tightening torque 35 Nm (26 ftlb.)

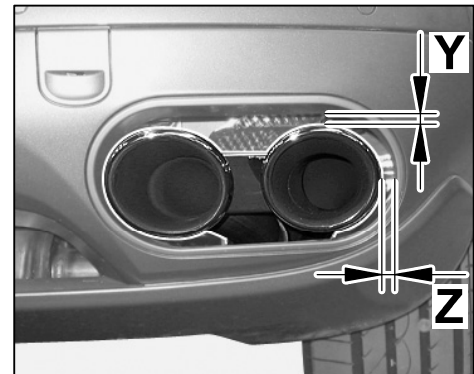


Figure 39

- 7.3 Install centre cover at the right. $\Rightarrow$ *Workshop Manual '519319 Removing and installing centre cover'*
- 7.4 Disconnect battery charger and close the bonnet. $\Rightarrow$ *Workshop Manual '9000IN Battery trickle charging'*

Working Time: 26013100: Converting exhaust system

Labor time: **560 TU**

Includes: Removing and installing rear apron, replacing rear silencers, routing and connecting pneumatic line and electric wire harness, converting rear skirt

63686150: Painting rear skirt (upper part)

Labor time: **90 TU**

Includes: Painting new parts, stage 1
Material: 5

44561900: Removing and installing frame (spare wheel carrier)

Labor time: **90 TU**

Includes: Removing and installing external spare wheel

44561903: Removing and installing frame (spare wheel carrier)

Labor time: **100 TU**

Includes: Removing and installing external spare wheel, removing and installing cover

26013103: Converting exhaust system (only for vehicles with sports tailpipes l.no. 0P3)

Labor time: **360 TU**

Includes: Replacing rear silencers, routing and connecting pneumatic line and electric wire harness