



ASSEMBLY INSTRUCTIONS

TECHART Power-Kit SD1

for 95B Macan S Diesel

Part-No. B95.300.310.009 for 95B Macan S Diesel from MY14

Version 03 – 03/2018





ASSEMBLY INSTRUCTIONS

TECHART Power-Kit B95 SD1

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I Important safety information

All of the necessary work must be performed by qualified persons with an appropriate level of expertise.

	<p style="text-align: center;"> WARNING</p> <p>Vehicle lifts with an insufficient lifting capacity can collapse under the weight of the vehicle and crush any persons standing underneath.</p> <p>Compare the weight of the vehicle with the lifting capacity of your vehicle lift. The weight of the vehicle must not exceed the lifting capacity of your vehicle lift. The weight of the vehicle can be found in the vehicle operating manual.</p>	
	<p style="text-align: center;"> WARNING</p> <p>Risk of injury from electric current.</p> <p>Switch off the ignition and disconnect the battery when working on the vehicle electrical/electronics systems.</p>	
 	<p style="text-align: center;"> CAUTION</p> <p>Risk of injury from hands and arms being crushed, cut or lacerated when working with sharp-edged and bulky objects.</p> <p>Wear protective clothing and protective gloves. Keep limbs out of narrow and inaccessible areas of the vehicle and/or avoid dangerous situations by using special tools and suitable aids.</p>	
	<p style="text-align: center;"> CAUTION</p> <p>Risk of injury to back, muscles, joints, tendons and ligaments from lifting and carrying heavy and/or bulky objects.</p> <p>Lift and transport heavy and/or bulky objects with the help of other people and/or with suitable aids.</p>	
	<p style="text-align: center;">NOTICE</p> <p>Before starting the assembly procedure, carefully read the assembly instructions in full and pay attention to the safety information and sequence of the individual operation steps.</p>	



ASSEMBLY INSTRUCTIONS

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II Preparation

Number of people required



At least two people are required to install this product.

Help and support

If you have any technical queries, please contact us immediately:
support@techart.de

Quantity	Part number	Part designation
1	B95.300.310.009	Techtronic for 95B Macan S Diesel
Consisting of:		
1	000.300.010.100	Techtronic control unit
1	058.300.100.200-01	Wiring set Techtronic
1	B95.300.310.099	Assembly Instructions Techtronic
optional		
1	000.919.815.790.084.1	Unlocking device

Please use the table to check whether all of the required parts are present.

Once parts have been removed from their original packaging, ensure that they are properly handled and stored.

1. Pin-wiring harness
2. 6 pole plug and single conductor seals
3. Bracket
4. Adhesive tape
5. Cable ties
6. Techtronic module

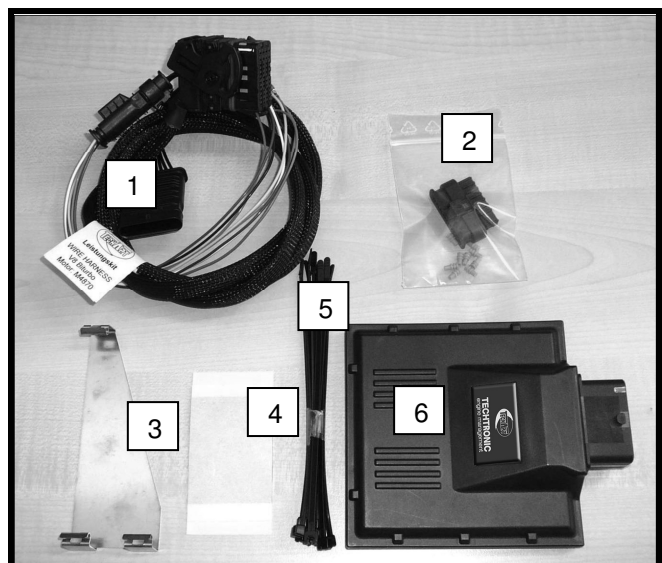


Fig. 01



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III Installation

1 Prepare Vehicle



Before starting to work, check that the vehicle is free of defects. Use the PIWIS system tester II to read out all of the fault memories of the individual vehicle components and first rectify any faults displayed.

The Techtronic KIT is equipped with a pin-wiring harness; please install it according to the assembly instructions.

Please read the assembly instructions thoroughly and observe the specified procedure and instructions. Due to the technical complexity we recommend to let this installation to be carried out solely by an authorized partner. We can only grant guarantee if the installation has been done correctly.

In respect to the driving safety one should inform the customer that the vehicle is equipped with a Techtronic KIT.

2 Dismantle original parts

- 1 Disconnect the battery.
- 2 Remove the cover of the bulkhead.

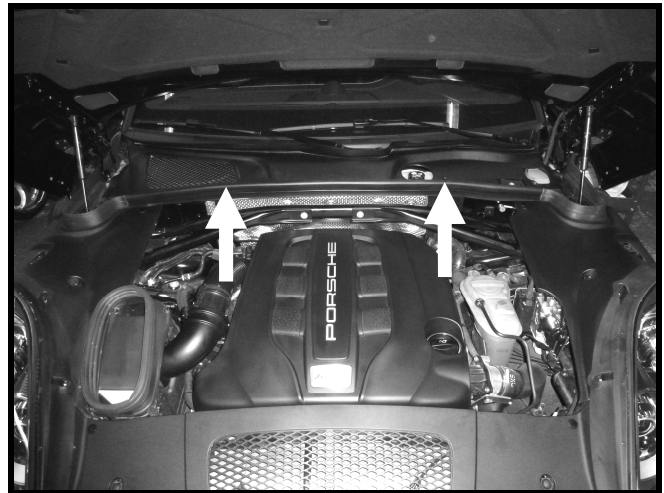


Fig. 02



The Macan S Diesel control unit is located in a plastic housing at the left water container.

- 3 Dismantle the cover of the plastic housing DME and separate the engine control unit from the vehicle's wiring harness.



Fig. 03



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3 Install TECHART Parts

3.1 Install TECHART Techtronic

- 1 Lay the pin-cable set inside the vehicle (see Fig. 04)

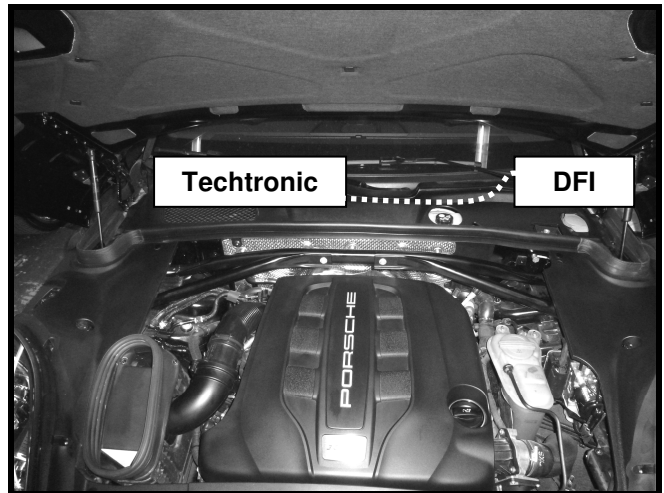



Fig. 04

-  **The Techtronic module will be installed below the bulkhead cover. The Techtronic wiring harness will be pinned-in exactly at the engine control unit. The connection set-up is shown on the given chart of this assembly instruction.**

- 2 Prepare the wiring harness of the vehicle.



Fig. 05

- 3 Unlatch the caps with a screwdriver.

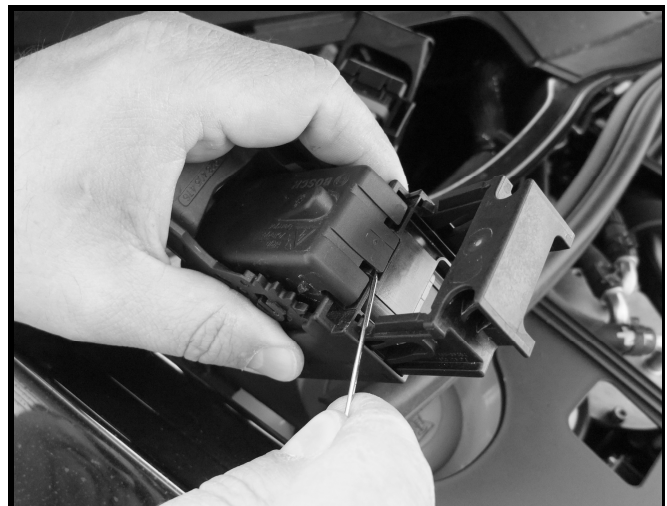


Fig. 06

- 4 Remove the interlock of the pins.

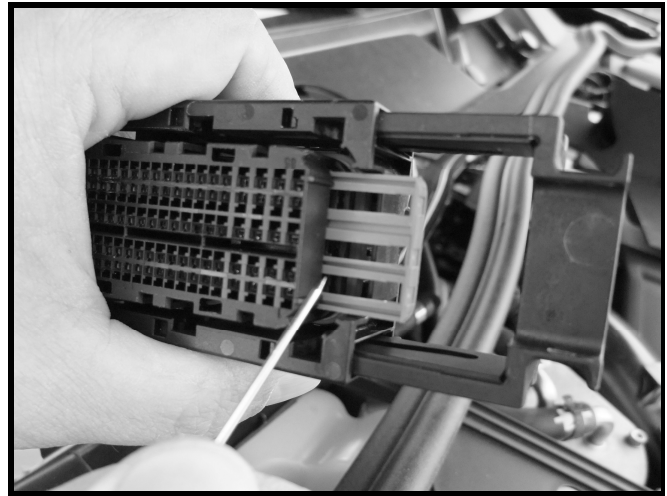


Fig. 07

- 5 The pins can now be pushed out of the plug housing therefore unpin the interlock of the pins with a suitable unlocking device.

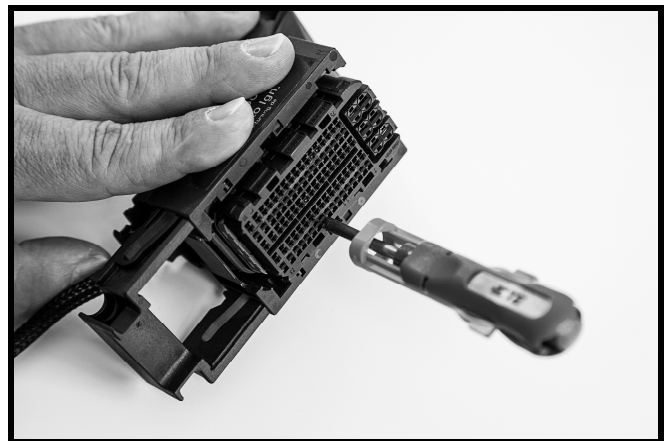


Fig. 08



TECHART recommends the unlocking device 000.919.815.790.084.1

- 6 Mount the pin wiring harness as shown on the diagram and connecting chart.



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- 7 Connect the black cable with the ring eye to the ground point of the bulkhead (see arrow).

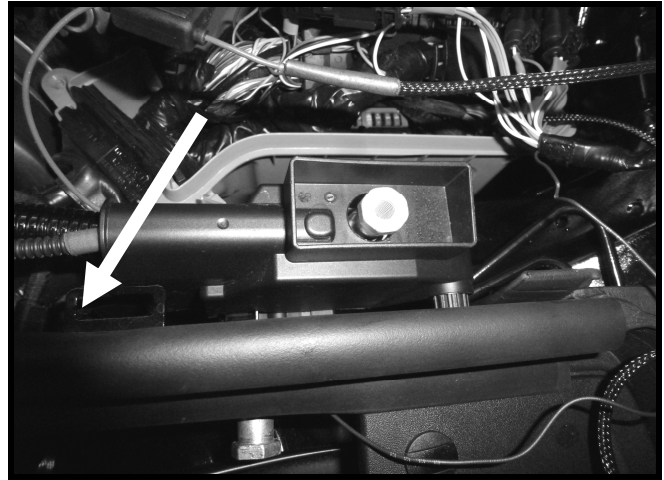


Fig. 09

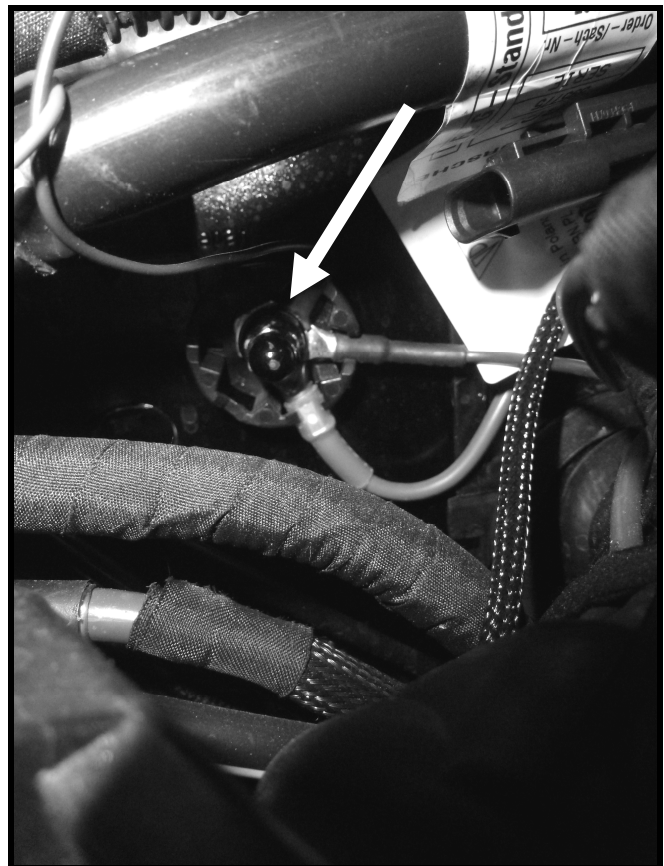


Fig. 10



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- 8 Route the red positive-cable to the plus distributor at the DME housing and fasten the ring-eye to the red marked connection (Fig. 11).



Fig. 11

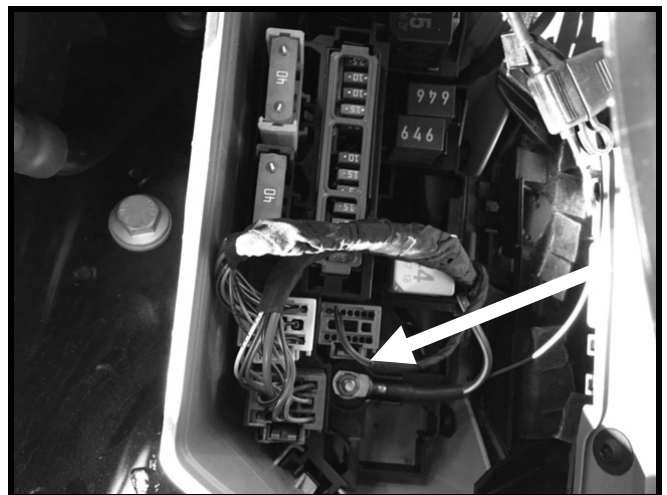


Fig. 12



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There are 2 plugs at the engine control unit.

5 Pins have to be unpinned as follows:

Chart plug built-up:

		Wiring harness PIN-Number
Plug "B"	91-pole	PIN 79, 80
Plug "A"	105-pole	PIN 16, 37, 98

Fig. 13



To avoid connection errors, work in correct order.
Connect one connection after the other.

Example:

Unpin line Pin A79 (OG/BK) as per description, Mount single conductor seal and mount it in position 1 at the 6-pole plug.

Afterwards mount the white line 1 from the coupling at the pin wiring harness into position Pin A79 of the vehicle wiring harness.

Caution: The cable colors may vary. In this case please note the numbering!

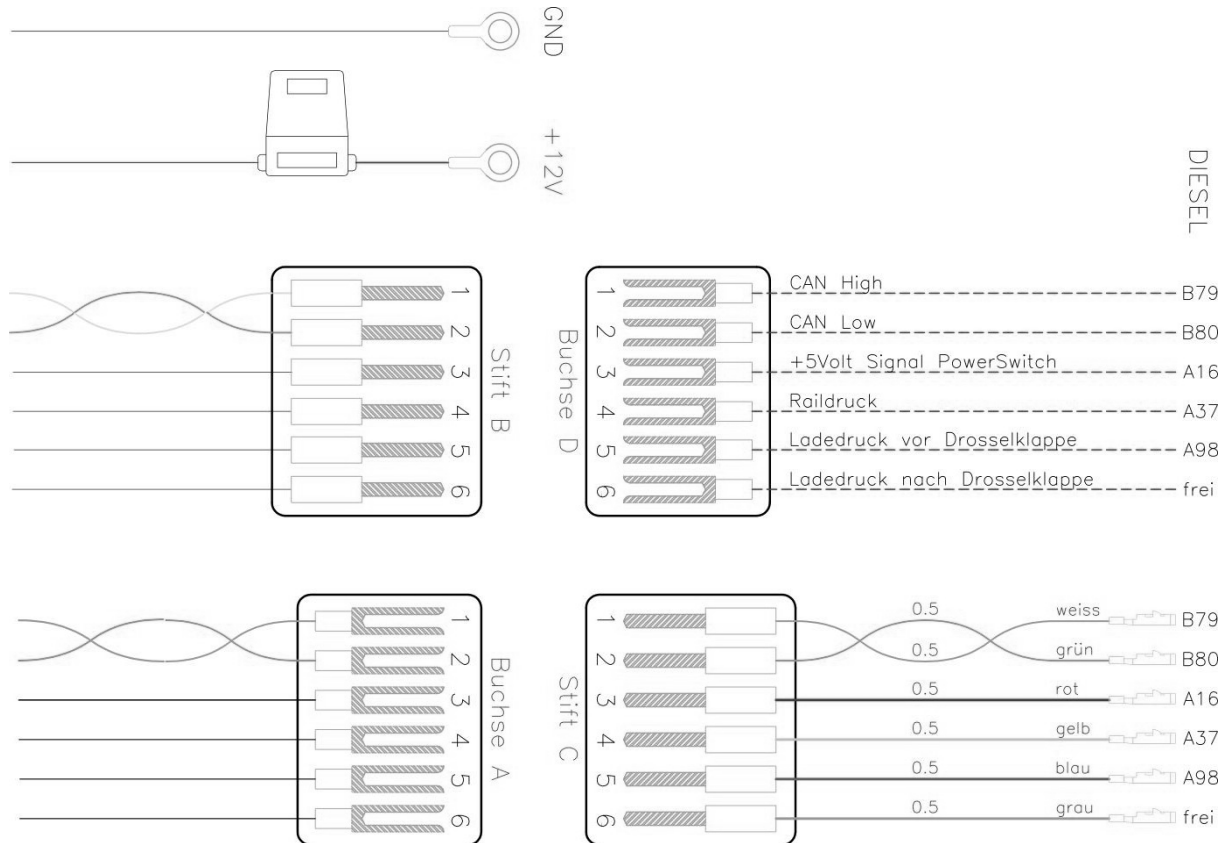
Pin number	Cable color 95B Macan S Diesel
B79	OG/BK
B80	OG/BN
A37	YE/ YE
A98	WH/VT
A16	GN/RD



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Attention! Mount single conductor seal before pinning-in



Cable colors chart:

- BK** black
- OG** orange
- BN** brown
- YE** yellow
- GY** gray
- GN** green
- WH** white
- RD** red
- BU** blue
- VT** violet

Fig. 14



The insulation of the gray line of the TECHART plug (Pin 6) has to be stripped and will stay free. For that use the supplied shrinking hose.



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- 9 Mount single conductor seal to the unpinned pin.

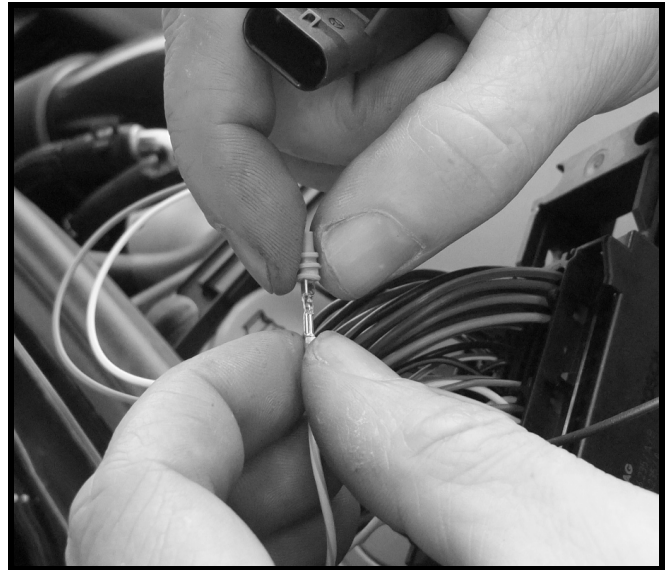


Fig. 15

- 10 The Techtronic module will be mounted with the supplied bracket to the bottom side of the bulkhead cover.



Fig. 16

- 11 Remove the foil off the adhesive tape of the retaining clip and press it firmly onto the previously cleaned surface.



Fig. 17



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- 12 Route the pin wiring harness as shown and secure it with the supplied cable ties.

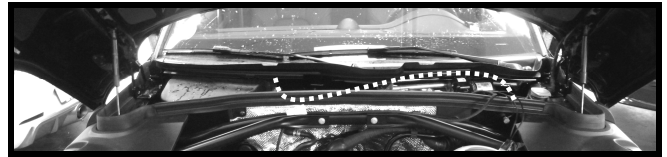


Fig.18

- 13 Finally, check whether all components are carefully installed and reliably fastened. Reinstalled all disassembled components.



Fig. 19

Fig. 19

- 14 Perform a test drive.



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Please consider that the Techtronic power increase will only be reached with an activated sport mode (sport switch) und an engine with an operating state temperature.

The Techtronic wiring harness is configured that the Techtronic module can be looped-in the OE wiring harness. If necessary the Techtronic module can be deactivated, by connecting both compact plugs coming from the engine and going to the engine control unit. The Techtronic module will then not be looped-in anymore and is therefore deactivated. This procedure can be done after the installation of the Techtronic wiring harness as a test to check whether all pins are placed correctly. In case the PIWIS II shows a fault memory then the error will be at the pinning which needs to be rectified. Afterwards loop-in the Techtronic module and recheck the DFI for any faults displayed.



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TECHART Power-Kit B95 SD1



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