

ASSEMBLY INSTRUCTIONS

TECHART Power-Kit 09Y / T2.3

Part-no. 09Y.300.900.009 for Cayenne Turbo GT E3 as of MY18 with & w/o GPF

Version 02 – 02/2024



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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.

	<div data-bbox="659 562 962 618" data-label="Section-Header">WARNING</div> <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>	
	<div data-bbox="659 875 962 931" data-label="Section-Header">WARNING</div> <p>Risk of injury from electric current.</p> <p>Switch off the ignition and disconnect the battery when working on the vehicle electrical/electronic systems.</p>	
 	<div data-bbox="659 1131 962 1187" data-label="Section-Header">CAUTION</div> <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>	
	<div data-bbox="659 1447 962 1503" data-label="Section-Header">CAUTION</div> <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>	
	<div data-bbox="308 1738 592 1794" data-label="Section-Header">NOTICE</div> <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>	

I. 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

Check TECHART parts kit for completeness

Quantity	Part number	Part designation
1	09Y.300.900.009	Power-kit T2.3 Cayenne Turbo GT E3 as of MY18
Consisting of:		
1	000.300.100.OKT	Octane 100 decal
1		Turbo charger right cyl. 1-4
1		Turbo charger left cyl. 5-8
2		Downpipes
1	09Y300900102	Assembly kit Turbo charger V8
Consisting of:		
2	PAB25372500	Clamp
2	9A725311500	Seal
2	9A714503900	Seal
3	9A725372502	Clamp
2	N 90344501	O-Ring
10	9A700653700	O-Ring
3	9A700875500	O-Ring
2	PAB253725C	Clamp
1	N 90925001	O-Ring
2	N 90925002	O-Ring
2	9A712905600	Seal
2	PAB25311500	Seal
1	190001179	Intercooler Kit
Consisting of:		
1	001001143	Intercooler R
1	001001144	Intercooler L
2	001100049	Intercooler pipe
1	001004323	Silicone hose
1	001004324	Silicone hose
2	001004325	Silicone hose
2	001004326	Silicone hose
2	001002505	Holder water radiator
2	001002506	Holder cross strut
4	32014060	Screw clamp 40-64mm
8	32015070	Screw clamp 52-76mm
2	M6x22	Hexagon socket head screw
2	M8x16	Hexagon socket head screw
2	6mm	Washer
2	8mm	Washer
2	M8	Hexagon nut
2	20x200mm	Foam rubber

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.

Attention!

The turbochargers and the downpipes are being exchanged. Please pack the original turbochargers and downpipes well with the engine control unit and send them to TECHART.

II. Installation

1. Prepare vehicle

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

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 power-kit.

2. Dismantle original parts

1. Set the vehicle on a service lift. (turn off the level regulation)
2. Disconnect the battery.
3. Dismantle the engine control unit and send it to TECHART.
4. Remove the engine compartment cover, air filter, underbody paneling and front apron.
5. Dismantle the engine compartment cover entirely.



Fig. 01

6. Dismantle intercooler.
7. Remove the front and rear air ducts on both sides. Loosen the screw connection of the side water radiators L-R.



Fig. 02

8. Loosen the silicone hoses on the original intercoolers and remove the two screws holding the intercooler in place. These can then be removed from the side.



Fig. 03



Fig. 04

9. Now remove the charge air line from the turbo outlet to the charge air radiator and the silicone hoses from the intercooler to the throttle valve.

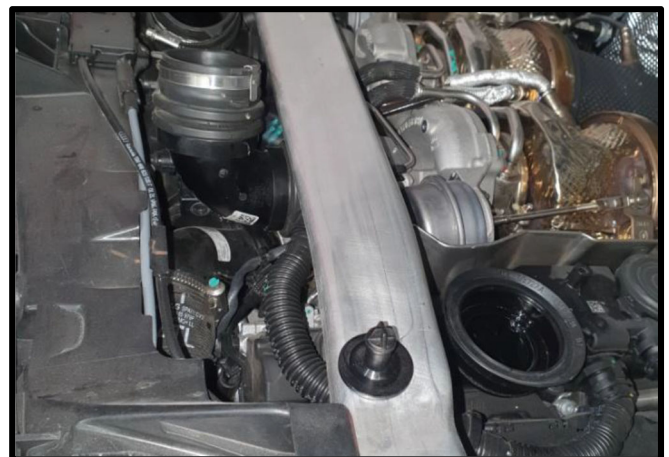


Fig. 05

10. Remove the turbocharger according to the manufacturer's instructions and return it to TECHART.
11. Replace the downpipes with GPF and catalytic converter with the TECHART parts and return the original parts to TECHART.

12. Reinstall the TECHART turbocharger according to the manufacturer's instructions.
13. Install the TECHART pressure sensors.
14. Replace boost pressure sensor in front of throttle valve right & left.

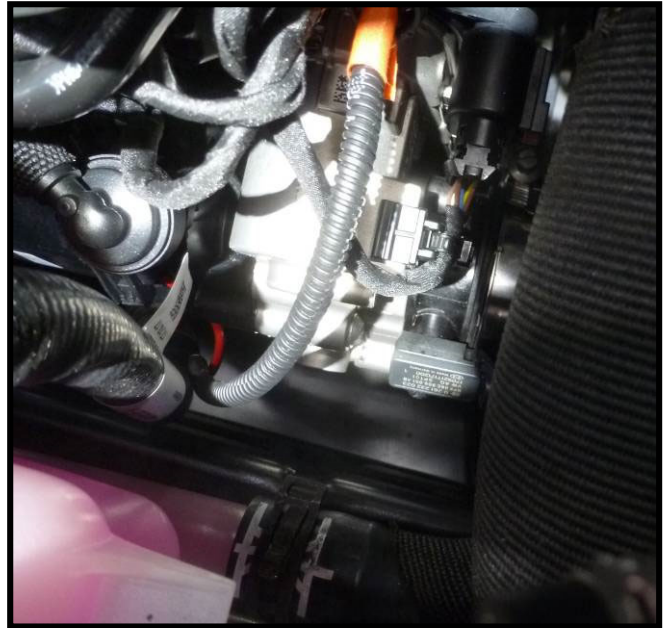


Fig. 06

15. Replace boost pressure sensor after the throttle valve right & left.



Fig. 07

16. Install intercooler.

17. Loosen the lower screw points of the cross struts and move them towards the rear of the vehicle using the brackets supplied.



Fig. 08

18. Assemble the silicone hoses 001004325 and 001004326 with the boost pipe 001100049 in between, as shown in the picture, and position them in the vehicle turbo outlet. Make sure that the hose clamps are not yet firmly seated on the silicone hoses to ensure alignment in the vehicle.



Fig. 09



Fig. 10

19. Place the intercooler in the original mount of the original intercooler and fasten it at the same screw connection points. For easier installation, connect the upper silicone hose directly to the upper radiator connection when inserting the intercooler.



Fig. 11



Fig. 12

20. After attaching the intercooler, tighten the hose clamps of the upper silicone hoses together with the boost pipe and the intercooler. Fit the lower silicone hoses between the intercooler and the throttle body connection. 001004323 silicone hose R and 001004324 silicone hose L.

21. Install the front and rear air ducts on the intercooler. Then install the vehicle components in reverse order.
(Cayenne: Attach the rear water radiators to the intercooler (11) using the screws and spacers supplied).
First stick the foam rubber to the water radiator as shown in the picture.



Fig. 13

22. Check all parts for correct fit.



Fig. 14

23. Install the engine control system. Fill the cooling and oil system according to the manufacturer's instructions.

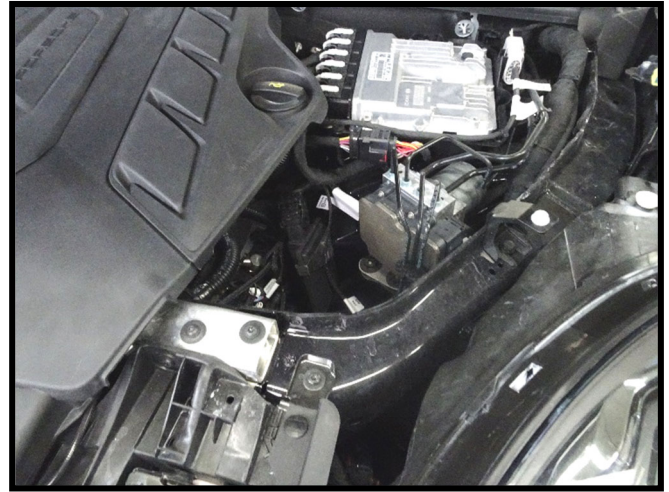


Fig. 15

24. The 100-octane sticker supplied must be affixed to the tank cap in instead of the original octane sticker.



Fig. 16

3. Complete vehicle

1. Read out the fault memory with the Porsche system tester. Correct any remaining faults.
2. Perform a test drive.
3. Check all fill levels again after the test drive and read out the fault memory again.

TECHART

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