

MANTHEY - RACING



Installation manual

Light weight doors

MTH837300 & MTH837301

Version _V3_2017/12

Contact

Manthey-Racing GmbH

Technical Support

Rudolf-Diesel-Str. 11-13

53520 Meuspath

Germany

Phone: +49 (0) 2691 9338 807

E-Mail: techsupport@manthey-racing.de

Note

Due to the ongoing optimization of our products, this document will be updated on a regular basis. Please note that only the current version of this document is valid. The current documents are available in the download area.

Download area:

The installation and operating instructions as well as the technical manuals are available for download under the following link.

<http://www.manthey-racing.de/downloads.htm>

Warning and safety instructions

The classification of the warning and safety information is made using the respective signal word (Danger, Warning, Caution) in addition to the warning icon.

 **DANGER**

Warning of death or serious bodily injuries, which will occur in the event of non-compliance.

 **WARNING**

Warning of death or serious bodily injuries, which may occur in the event of non-compliance.

 **ATTENTION**

Warning of minor bodily injuries in the event of non-compliance.

NOTE

Warning of property damage in the event of non-compliance.

General safety instructions

DANGER

Risk of injury and risk of accident during and after work on the vehicle

- Repairs are to be carried out only if access to the repair handbooks in the PIWIS Information System is also available
- Observe the safety instructions
- Observe the repair handbooks of the vehicle series in the PIWIS Information System.

DANGER

Crashing vehicle

Squeezing or crushing

Damage to the vehicle

- Do not place any rigid objects under the lifted vehicle.
- Secure lifting platform against lowering.
- Remove any rigid objects before lowering.
- Lift the vehicle only at the pick-up points designated for this purpose.
- The outer pick-up points should be used as a matter of priority.

WARNING

Improper handling of safety-relevant fitting

Injuries

Torque reduction

- Use new fastening screws and nuts after every dismantling
- Observe the specified tightening torques.
- Visually inspect the parts used

NOTE

Always observe the currently valid „Technical Information“ (TI) of Porsche AG. These can be viewed and downloaded at motorsport.porsche.de.

If you do not have access to this portal, please contact gt4clubsport@porsche.de.

Always use this manual in accordance with the currently valid Technical Information (TI) of the Porsche AG.

⚠ WARNING

Working with compressed air

Eye injuries

Damage and contamination of components

- Wear safety goggles with side shield.
- Secure the compressed air discharge point with suitable materials.
- Place the compressed air discharge point on suitable areas.

⚠ WARNING

Toxic exhaust fumes

Suffocation

- When the engine is running, position the exhaust gas extraction system behind the exhaust end pipes of the vehicle and switch it on.

⚠ WARNING

Falling objects or loads

Squeezing or crushing

- Secure components against falling.

⚠ WARNING

Flying foreign bodies during grinding, drilling and milling

Eye injuries

- Wear safety goggles.

⚠ WARNING

No heat-resistant materials

Fire

- Avoid contact with hot components or sources of ignition.

⚠ ATTENTION

Sharp or sharp-edged objects

Cracks, punctures, cuts

- Wear personal protective equipment.

⚠ ATTENTION

Hot components

Burns

- Allow hot components to cool down.
- Wear personal protective equipment.

⚠ ATTENTION

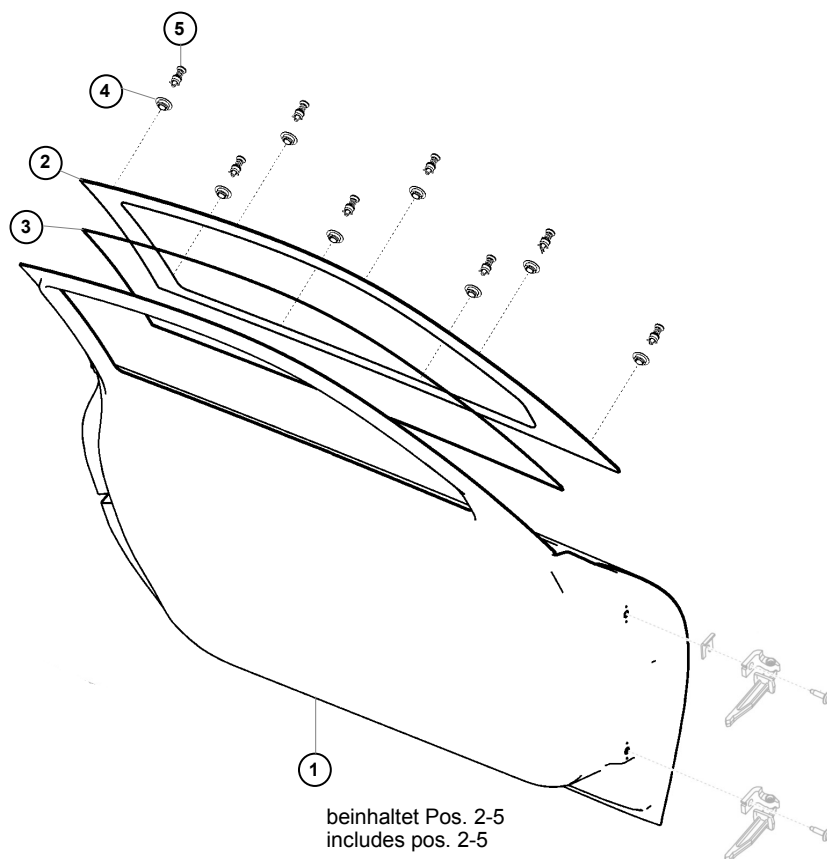
Heavy components

Crushing

- Wear personal protective equipment.
- If necessary call somebody to help you.

Cayman 981 GT4 Clubsport MR
Light weight doors

Overview Light weight doors (MTH837300 & MTH837301)



Pos.	Bezeichnung / Description	M	A.	Teile Nr. / Part no.
1	TÜR RECHTS POS.2-5 DOOR RIGHT POS.2-5		1	MTH837300
1	TÜR LINKS POS.2-5 DOOR LEFT POS.2-5		1	MTH837301
2	SCHEIBE TÜR RECHTS PANE DOOR RIGHT		1	MTH837400
2	SCHEIBE TÜR LINKS PANE DOOR LEFT		1	MTH837401
3	DICHTBAND 10x3 SEALING TAPE 10x3		1	MTH531111
4	UNTERLAGE CAM-LOCK CAM LOCK BASE		8	MTH837955
5	CAM LOCK CAM LOCK		8	MTH531316

Step 1:



Step 1:

Remove the door panel according to the Porsche specification. (Technical manual of the Cayman GT4 Club-sport

NOTE

Be careful during the disassembly of the door panel, the parts are necessary for the assembly of the light weight doors.

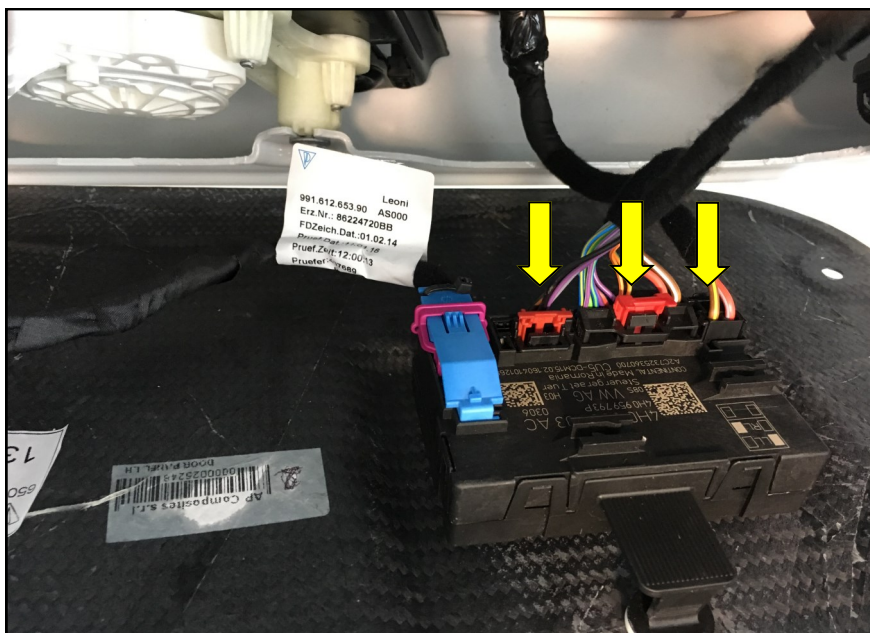
Step 2:

↓ Pull the three marked plugs. Remove the side mirror.

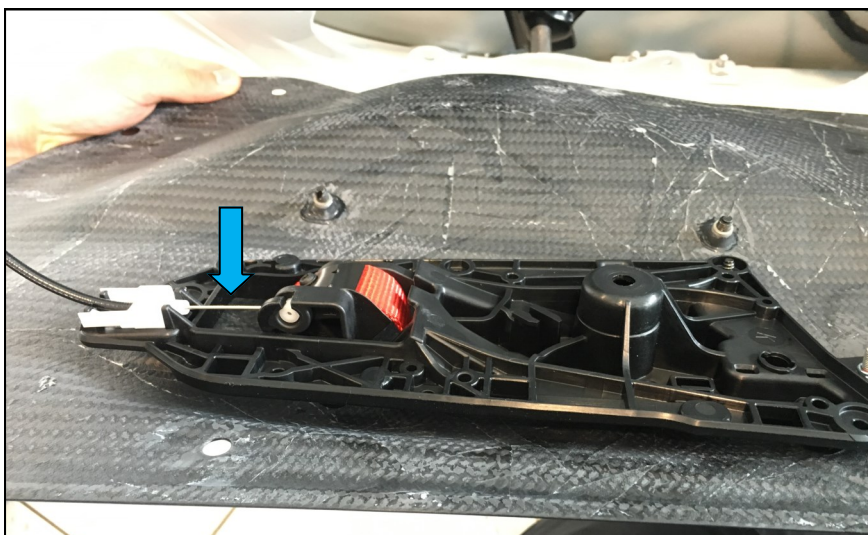
Step 3:

↓ Remove the Bowden cable and put the door panel away.

Step 2:



Step 3:



Step 4:

Remove the electrical connection at the door handle and unplug it.



Remove the nut on the left.

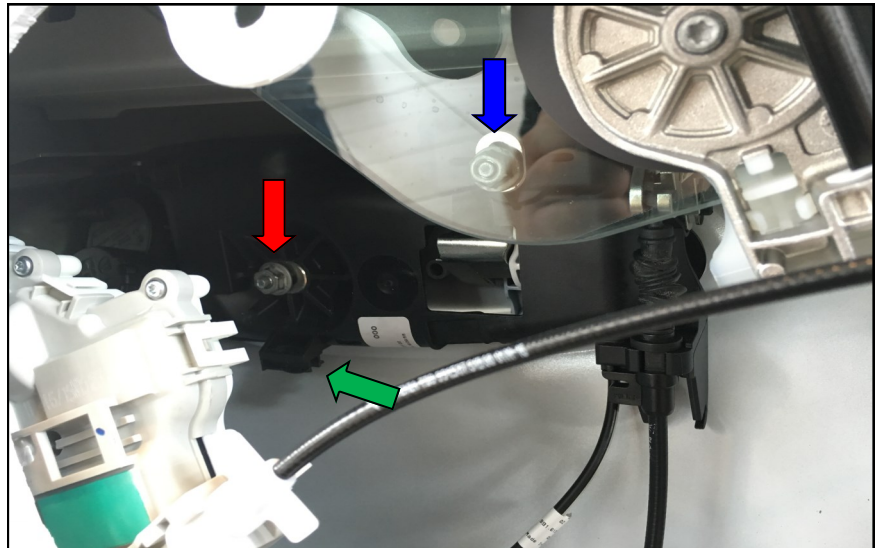


The nut on the right needs to be loosened and pushed upwards.



Remove the door handle.

Step 4:

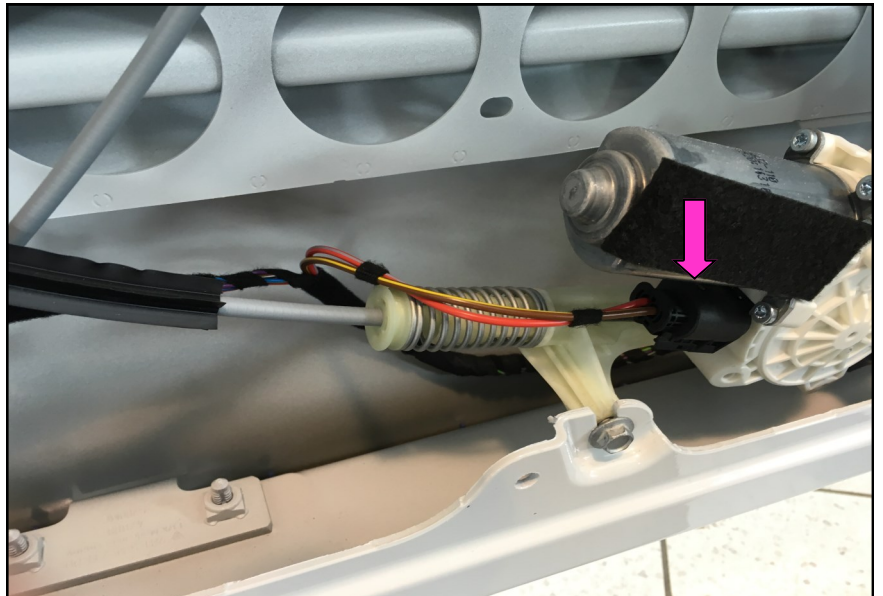


Step 5:

Unplug the window lifter.



Step 5:

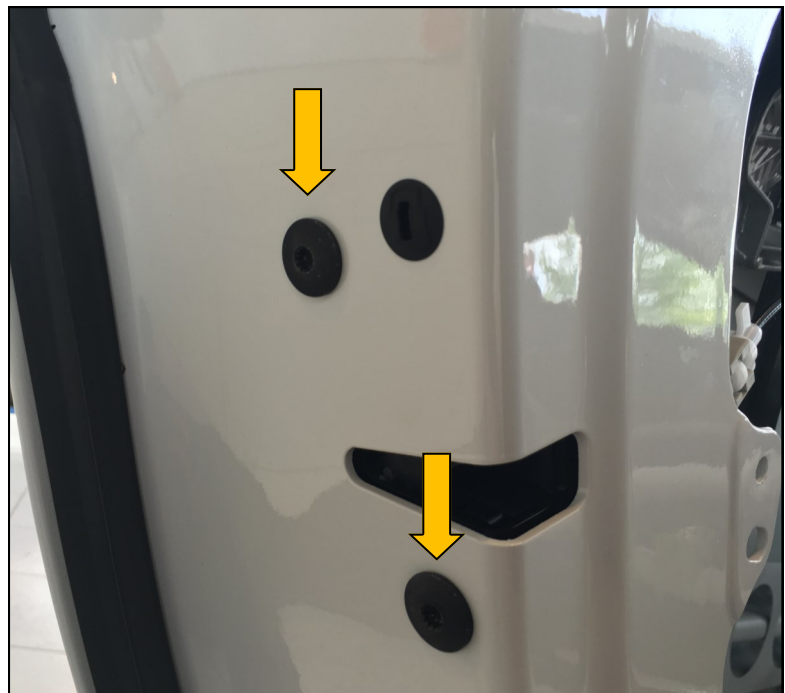


Step 6:

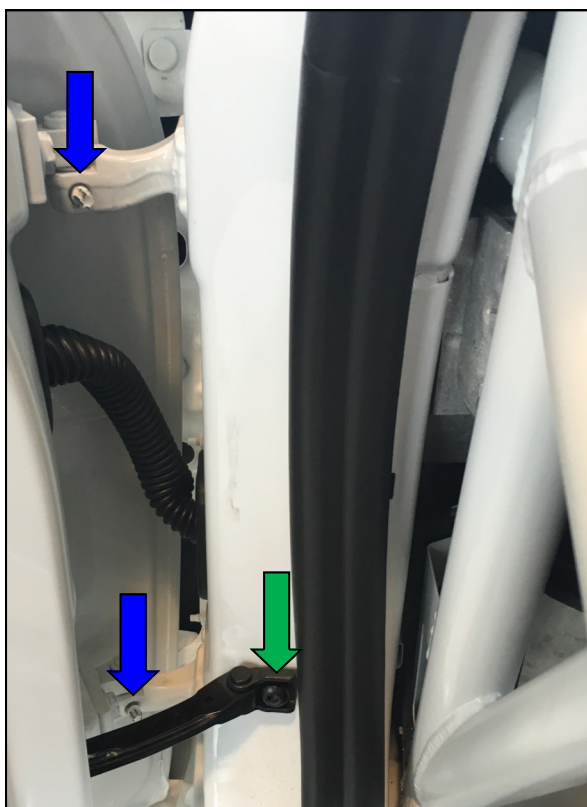
Remove the marked screws and take the lock out of the door.



Step 6:



Step 7:



Step 7:

↓ Loosen the two marked screws at the hinges.

Remove the door harness.

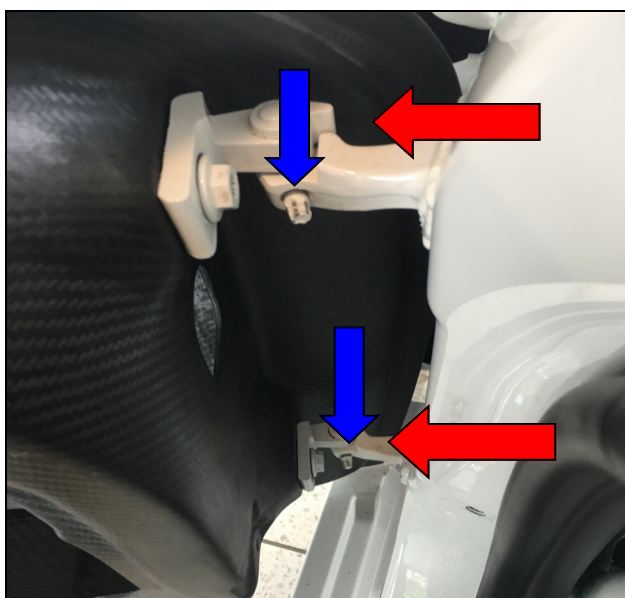
↓ Remove the marked screw and lift the door out of the hinges.

Step 8:

↓ Remove the doorside part of the hinges from the sheet door and assemble them to the lightweight door.


↓ Lift the door back into the hinges and tighten both hinge screws.


Step 8:




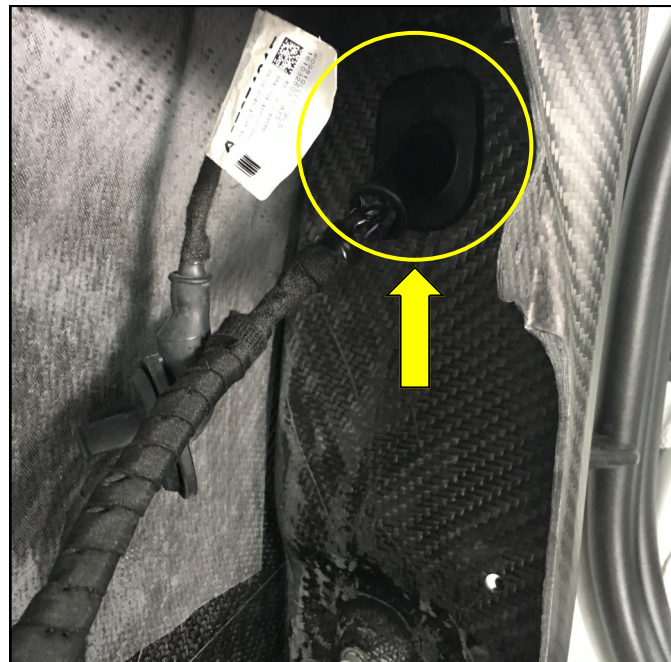
Step 9:

Step 9:

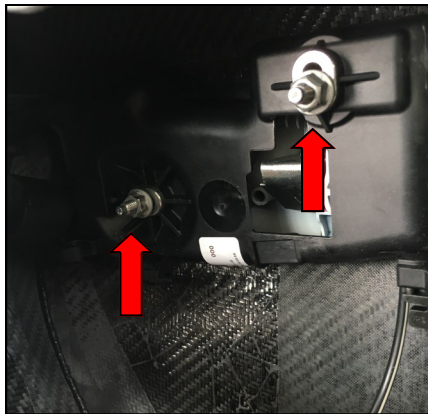
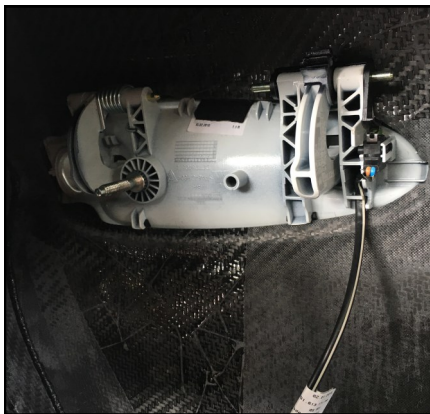
Fit the side mirror to the door by putting the mirror harness in arrow direction through the hole. 

Tighten the mirror screw slightly. 

Put the door harness in position. Be sure that the grommet is flush with the lightweight door. 



Step 10:



Step 10:

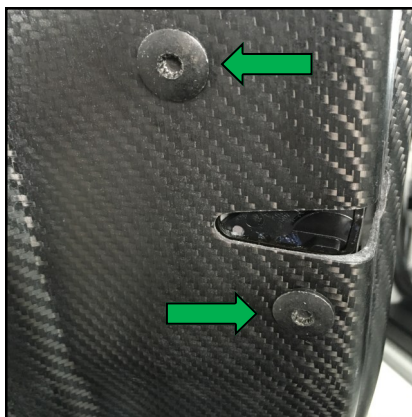
↓ Put the handle in the door and tighten it in the opposite way as you have loosened it before.

Step 11:


↓ Put the lock wire into the lock.


↓ Tighten the both screws of the lock slightly.


Step 11:



Step 12:

Plug in all electrical connections.
Mount the loose cables to the Bowden cable as well as the main harness using cable ties. 

Plug the mirror-harness and the door-harness to the controller in the door facing. 

Connect the bowden cable. 

Put the door facing with the plastic rivets back into place.

NOTE

It might be necessary to rework some parts of the door due to series-production tolerances.

NOTE

The assembly of the right door should be done in the same way. You can leave some steps out due to less electrical functionalities of the right door.

Step 12:

