

MANTHEY - RACING



Installation manual

Rear wing

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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.

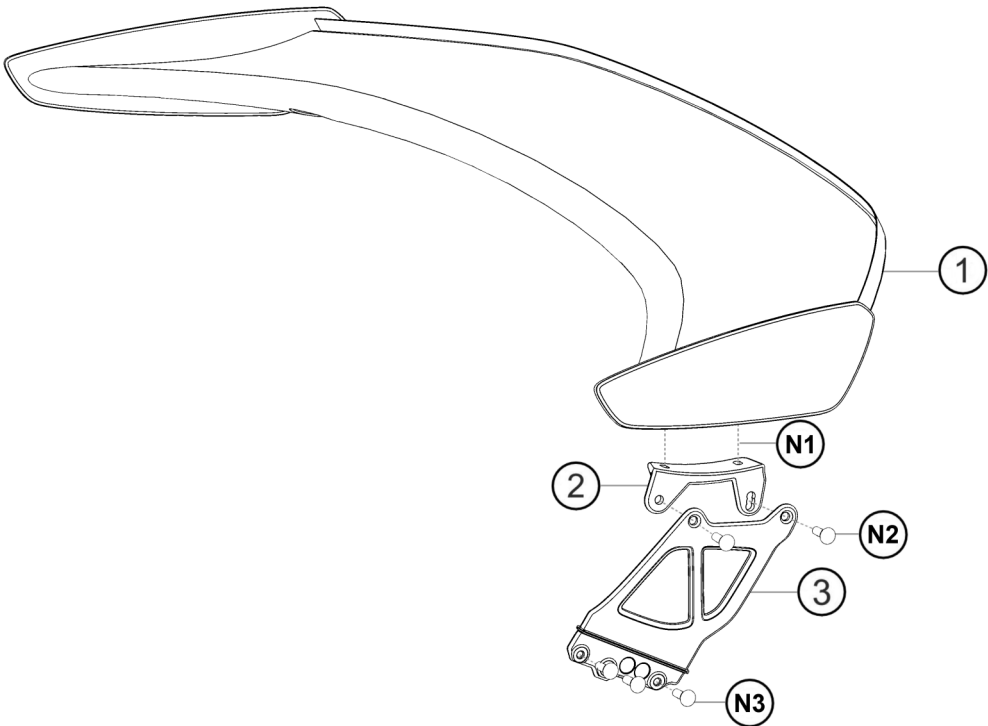
⚠ ATTENTION

Heavy components

Crushing

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

Overview Rear wing



Pos.	Bezeichnung	Drehmoment / Torque [Nm]
N1	Schraube / bolt M6 x 16	8 Nm
N2	Schraube / bolt M6 x 12	8 Nm
N3	Schraube / bolt M6 x 22	8 Nm

Pos.	Bezeichnung / Description	M	A.	Teile Nr. / Part no.
1	HECKFLÜGEL REAR WING		1	MTH512650
2	VERBINDUNGSTEIL LINKS BRACKET LEFT		1	MTH512683
2	VERBINDUNGSTEIL RECHTS BRACKET RIGHT		1	MTH512684
3	FLÜGELSTÜTZE LINKS REAR WING SUPPORT LEFT		1	MTH512681
3	FLÜGELSTÜTZE RECHTS REAR WING SUPPORT RIGHT		1	MTH512682



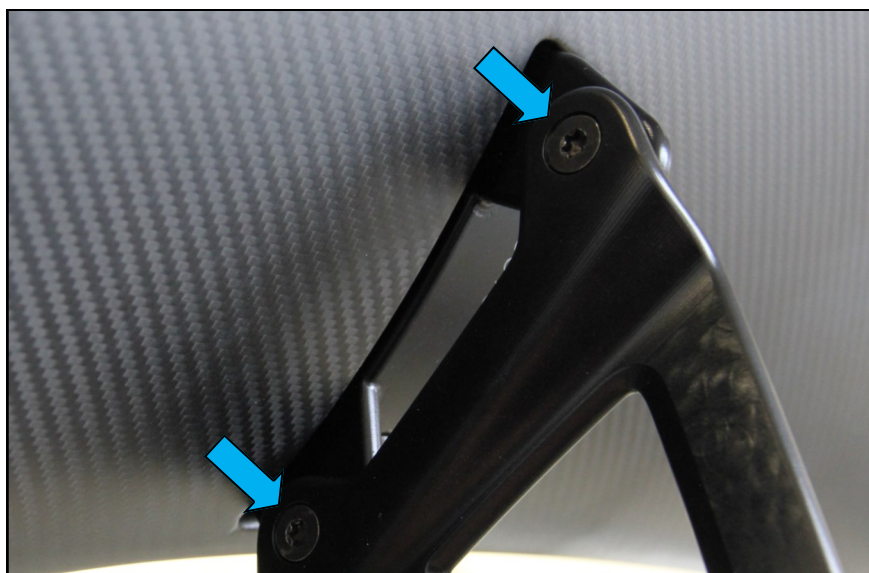
Step 1:

Dismount the original rear wing including the brackets and rear wing supports according to the Porsche specifications. Remove the seal of the rear wing supporting and clean all the adhesive residues.


Step 2:


Assemble the new rear wing in the same way you dismantled the old one. Use the same screws and "medium-tight" Loctite (type 243).

Before you fasten the screws, you have to adjust the sealing of the rear deck. When every screw is fastened you can agglutinate the sealing to the rear deck.



NOTE

 **Bracket to rear wing:**
8 Nm + Loctite 243 (medium strength)

 **Bracket to rear wing support:**
8 Nm

 **Rear wing support to rear deck:**
8 Nm + Loctite 243 (medium strength)

