

**WRC6 Stop Delivery - Review Power Steering Gear and Replace if Necessary (Stop Delivery)**

Change overview

Release	Date	Change
0	04/05/2024	<ul style="list-style-type: none"> <li>• First publication</li> </ul>
1	05/13/2024	<ul style="list-style-type: none"> <li>• Work procedure adjusted</li> <li>• Scope 19 "Review power steering gear" added</li> </ul>

Model Line: **Cayenne (9YA / 9YB)**

Model Year: **2024**

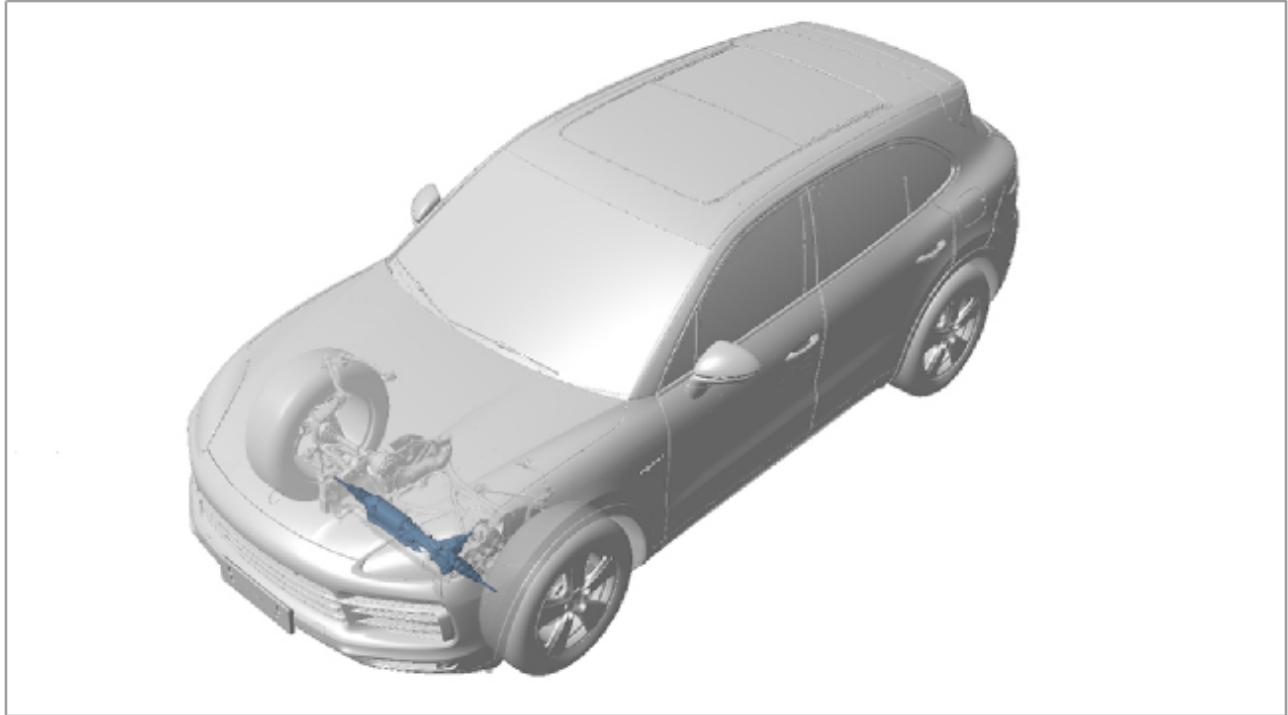
Concerns: **Power steering gear**

Cause: **There is a possibility that a power steering gear installed on the affected vehicles does not meet the required specifications.**

Action: Review power steering gear and replace if necessary.

Affected Vehicles: Only vehicles assigned to the campaign (see also PCSS Vehicle Information).

Installation  
Position:



*Installation position for power steering gear*

## Required parts



### Information

The forecast failure rate is only 0,2%.

Therefore, please order the required parts for replacing defective power steering gear **only if necessary**.

The **part numbers** of the **required parts and materials** for the respective vehicle can be seen in the **assigned scope**. For an overview of the campaign scopes, see: ⇒ *Technical Information 'Warranty processing'*.

For materials (lubricants) required for carrying out the action, see the corresponding Workshop Manual in PCSS. These lubricants are usually available in the Porsche Center.

## Required tools

- Tools:
- Threaded bolts for fitting wheel
  - Assembly wedge
  - Plastic-coated assembly lever

- Torque wrench, 2-10 Nm (1.5-7.5 ftlb.), e.g. **V.A.G 1783 - torque wrench, 2-10 Nm (1.5-7.5 ftlb.)**
- Torque wrench, 6-50 Nm (4.5-37 ftlb.), e.g. **V.A.G 1331A - torque spanner, 6-50 Nm (4.5-37 ftlb.)**
- Torque wrench, 40-200 Nm (30-148 ftlb.) e.g. **V.A.G 1332A - torque wrench, 40-200 Nm (30-148 ftlb.)**
- Battery charger with a current rating of **at least 90 A**, e.g. **VAS 5908 - battery charger 90 A**
- **P90999 - PIWIS Tester 4**
- **T10187 - Press-out tool**
- **VAS 6927 - Tie-wrap pliers**
- **VAS 6931A - Transmission and gearbox jack**
- **VAS 6826 - Steering wheel balance**
- **T40183 - Insertion tool**
- **VAS 6918 - Quick-clamping unit**

**Tools additionally required for vehicles with hybrid drive system PHEV (M-No. 0K3)**

- **T40262 - Locking cap**
- **VAS 6410 - Contact surface cleaning set**
- **High-Voltage Test Adapter HVR 40**
- **VAS 6558A - High-Voltage test adapter**
- **VAS 6558A/45 - HV test adapter**
- **VAS 6883A - Insulated tool set**
- **WE 1383 - Hybrid warning signs**

**Tools additionally required for vehicles with adaptive air suspension (M-No. 1BK)**

- **9229/1 - Puller hook**
- **VAS 6918 - Quick-clamping unit**

**Additionally required tools for vehicles with Night View Assist (M no. 9R1)**

- **VAS 6350A - Calibration unit**
- **VAS 6430/1A - Adjustment device with reflector**
- **VAS 6430/6 - Night View Assist calibration unit**

**Tools additionally required for vehicles with multi-function camera (M-No. QK1 / QK3)**

- **VAS 6350/2A - Spacing laser**
- **VAS 6430/4 - Lane Keep Assist calibration board**
- **Wheel center mounting VAS 6350**
- **VAS 6430/3 - Mirror for adjustment device**

**Tools additionally required for vehicles with automatic distance control (M-No. 3V1 / 3V2 / 8T3 / 8T8)**


- **VAS 6430/3 - Mirror for adjustment device**

### Check power steering gear

- Work Procedure: 1 Loosen front underbody cover.  
For instructions, see: ⇒ *Workshop Manual '51921900 Removing and installing front underbody cover'*
- 2 Check power steering gear in the area of the left and right rubber-metal mounts. ⇒ *Rubber-metal mount (shown on the right side of the vehicle)*



*Rubber-metal mount (shown on the right side of the vehicle)*

Assessment		Action
(✓)	Cast housing of the power steering gear <b>has no cracks.</b>	<p><b>Check OK.</b></p> <ul style="list-style-type: none"> <li>Secure cover for front underbody</li> <li>Entering campaign in Warranty and Maintenance logbook</li> <li>Invoicing for <b>Scope 19</b></li> </ul>
(✗)	<p>The cast housing of the power steering gear <b>has cracks.</b></p>  <p><i>Cracking of rubber-metal mount</i></p>	<p>Review not OK.</p> <p><b>Replace power steering gear.</b></p> <p>Continue with ⇒ <i>Technical Information '51921900 Replacing the power steering gear'</i></p>

### Replacing power steering gear

Work Procedure: 3 **Vehicles with PHEV hybrid drive system (M-No. 0K3)**

Isolate the high-voltage system from the power supply. ⇒ *Workshop Manual '2X00IN Deactivate/Start the high-voltage system'*

4 Remove power steering gear and install **new** power steering gear. ⇒ *Workshop Manual '489019 Removing and installing power steering gear'*

5 **Vehicles with PHEV hybrid drive system (M-No. 0K3)**

Start the high-voltage system ⇒ *Workshop Manual '2X00IN Deactivating high-voltage electrical system from power supply / Starting high-voltage electrical system'*

6 Recode the power steering (EPS) control unit. ⇒ *Workshop Manual '489055 Replacing power steering gear'*

7 Teach **new** power steering gear. ⇒ *Workshop Manual '489025 Teach power steering gear'*

8 Enter the campaign in the Warranty and Maintenance logbook.

### Warranty processing



#### Information

The specified labor times were determined specifically for carrying out this campaign and include all necessary preliminary and subsequent rework. The labor times may differ from the labor times published in the Labor Operation List in PCSS.

Scope 1: **Replacing power steering gear**

Valid for **Cayenne E-Hybrid (9YA / 9YB)** with the following equipment:

- Adaptive air suspension (**M-No. 1BK**)
- Multi-function camera (**M-No. QK1 / QK3**)

**Labor time:**

Replacing power steering gear

Labor time: **460 TU**

Includes: Deactivating and activating high-voltage system  
 Performing front and rear suspension alignment  
 Adjusting vehicle at front and rear  
 Calibrating front camera  
 Checking and adjusting steering-angle sensor for PSM

**Required parts:**

Part No.	Designation – Location	Quantity
9Y1423057A	Steering gear	1 piece
N 10518405	Cheese head bolt with multiple-tooth head, self-locking, M8 x 30 – Universal joint on power steering gear	1 piece
WHT006662	Hexagon-head bolt (combination) M12 x 1.5 x 167 – Power steering gear on front axle carrier	2 pieces
WHT002305	Square nut, M12 x 1.5 – Power steering gear on front axle carrier	2 pieces
WHT006151	Hexagon collar nut, self-locking M14 x 1.5 – Tie-rod ball to wheel bearing housing	2 pieces
PAF005372	M12 x 1.5 x 51 cylinder head screw with multiple-tooth head – Front-axle support	2 pieces
PAF911511	Hexagon-head bolt (combination) M12 x 1.5 x 42 – Front-axle support	4 pieces
WHT002305	Square nut, M12 x 1.5 – Front-axle support	4 pieces
PAF91237901	Hexagon flange bolt (combination), M14 x 1.5 x 100 – Front-axle carrier, rear	4 pieces
PAF91184301	Hexagon-head bolt, M12 x 1.5 x 90 – Front axle carrier, front	4 pieces
WHT006917	12-point socket, M10 x 62 – Connecting link (conventional)	4 pieces
PAF102861	Hexagon collar nut, self-locking M10 – Connecting link (conventional)	4 pieces
N 90684704	Hex socket head screw (combination) – Front underbody cover	3 piece

⇒ Damage number WRC6 066 000 2

Scope 2:

**Replacing power steering gear**Valid for **Cayenne E-Hybrid (9YA / 9YB)** with the following equipment:

- Adaptive air suspension (**M-No. 1BK**)
- Automatic distance control (**M-No. 3V1 / 3V2 / 8T3 / 8T8**)
- Multi-function camera (**M-No. QK1 / QK3**)

**Labor time:**

Replacing power steering gear

Labor time: **487 TU**

- Includes:
- Deactivating and activating high-voltage system
  - Performing front and rear suspension alignment
  - Adjusting vehicle at front and rear
  - Calibrating front camera
  - Adjusting distance measuring sensor control unit
  - Checking and adjusting steering-angle sensor for PSM

**Required parts:**

Part No.	Designation – Location	Quantity
9Y1423057A	Steering gear	1 piece
N 10518405	Cheese head bolt with multiple-tooth head, self-locking, M8 x 30 – Universal joint on power steering gear	1 piece
WHT006662	Hexagon-head bolt (combination) M12 x 1.5 x 167 – Power steering gear on front axle carrier	2 pieces
WHT002305	Square nut, M12 x 1.5 – Power steering gear on front axle carrier	2 pieces
WHT006151	Hexagon collar nut, self-locking M14 x 1.5 – Tie-rod ball to wheel bearing housing	2 pieces
PAF005372	M12 x 1.5 x 51 cylinder head screw with multiple-tooth head – Front-axle support	2 pieces
PAF911511	Hexagon-head bolt (combination) M12 x 1.5 x 42 – Front-axle support	4 pieces
WHT002305	Square nut, M12 x 1.5 – Front-axle support	4 pieces
PAF91237901	Hexagon flange bolt (combination), M14 x 1.5 x 100 – Front-axle carrier, rear	4 pieces
PAF91184301	Hexagon-head bolt, M12 x 1.5 x 90 – Front axle carrier, front	4 pieces
WHT006917	12-point socket, M10 x 62 – Connecting link (conventional)	4 pieces
PAF102861	Hexagon collar nut, self-locking M10 – Connecting link (conventional)	4 pieces
N 90684704	Hex socket head screw (combination) – Front underbody cover	3 piece

⇒ **Damage number WRC6 066 000 2**

Scope 3: **Replacing power steering gear**Valid for **Cayenne E-Hybrid (9YA / 9YB)** with the following equipment:

- Adaptive air suspension (**M-No. 1BK**)
- Night View Assist (**M no. 9R1**)
- Automatic distance control (**M-No. 3V1 / 3V2 / 8T3 / 8T8**)
- Multi-function camera (**M-No. QK1 / QK3**)

**Labor time:**

Replacing power steering gear

Labor time: **518 TU**

Includes: Deactivating and activating high-voltage system  
 Performing front and rear suspension alignment  
 Adjusting vehicle at front and rear  
 Calibrating front camera  
 Programming night vision control unit  
 Adjusting distance measuring sensor control unit  
 Checking and adjusting steering-angle sensor for PSM

**Required parts:**

<b>Part No.</b>	<b>Designation – Location</b>	<b>Quantity</b>
9Y1423057A	Steering gear	1 piece
N 10518405	Cheese head bolt with multiple-tooth head, self-locking, M8 x 30 – Universal joint on power steering gear	1 piece
WHT006662	Hexagon-head bolt (combination) M12 x 1.5 x 167 – Power steering gear on front axle carrier	2 pieces
WHT002305	Square nut, M12 x 1.5 – Power steering gear on front axle carrier	2 pieces
WHT006151	Hexagon collar nut, self-locking M14 x 1.5 – Tie-rod ball to wheel bearing housing	2 pieces
PAF005372	M12 x 1.5 x 51 cylinder head screw with multiple-tooth head – Front-axle support	2 pieces
PAF911511	Hexagon-head bolt (combination) M12 x 1.5 x 42 – Front-axle support	4 pieces
WHT002305	Square nut, M12 x 1.5 – Front-axle support	4 pieces

PAF91237901	Hexagon flange bolt (combination), M14 x 1.5 x 100 – Front-axle carrier, rear	4 pieces
PAF91184301	Hexagon-head bolt, M12 x 1.5 x 90 – Front axle carrier, front	4 pieces
WHT006917	12-point socket, M10 x 62 – Connecting link (conventional)	4 pieces
PAF102861	Hexagon collar nut, self-locking M10 – Connecting link (conventional)	4 pieces
N 90684704	Hex socket head screw (combination) – Front underbody cover	3 piece
⇒ <b>Damage number WRC6 066 000 2</b>		

Scope 4: **Replacing power steering gear**

Valid for **Cayenne E-Hybrid (9YA / 9YB)** with the following equipment:

- Adaptive air suspension (**M-No. 1BK**)
- Rear axle steering (**M-No. 0N5**)
- Automatic distance control (**M-No. 3V1 / 3V2 / 8T3 / 8T8**)
- Multi-function camera (**M-No. QK1 / QK3**)

<b>Labor time:</b>		
Replacing power steering gear		Labor time: <b>487 TU</b>
Includes:	Deactivating and activating high-voltage system Performing front and rear suspension alignment Adjusting vehicle at front and rear Calibrating front camera Adjusting distance measuring sensor control unit Checking and adjusting steering-angle sensor for PSM	
<b>Required parts:</b>		
<b>Part No.</b>	<b>Designation – Location</b>	<b>Quantity</b>
9Y1423056A	Steering gear	1 piece
N 10518405	Cheese head bolt with multiple-tooth head, self-locking, M8 x 30 – Universal joint on power steering gear	1 piece
WHT006662	Hexagon-head bolt (combination) M12 x 1.5 x 167 – Power steering gear on front axle carrier	2 pieces

WHT002305	Square nut, M12 x 1.5 – Power steering gear on front axle carrier	2 pieces
WHT006151	Hexagon collar nut, self-locking M14 x 1.5 – Tie-rod ball to wheel bearing housing	2 pieces
PAF005372	M12 x 1.5 x 51 cylinder head screw with multiple-tooth head – Front-axle support	2 pieces
PAF911511	Hexagon-head bolt (combination) M12 x 1.5 x 42 – Front-axle support	4 pieces
WHT002305	Square nut, M12 x 1.5 – Front-axle support	4 pieces
PAF91237901	Hexagon flange bolt (combination), M14 x 1.5 x 100 – Front-axle carrier, rear	4 pieces
PAF91184301	Hexagon-head bolt, M12 x 1.5 x 90 – Front axle carrier, front	4 pieces
WHT006917	12-point socket, M10 x 62 – Connecting link (conventional)	4 pieces
PAF102861	Hexagon collar nut, self-locking M10 – Connecting link (conventional)	4 pieces
N 90684704	Hex socket head screw (combination) – Front underbody cover	3 piece
⇒ Damage number WRC6 066 000 2		

Scope 5: **Replacing power steering gear**

Valid for **Cayenne E-Hybrid (9YA / 9YB)** with the following equipment:

- Adaptive air suspension (**M-No. 1BK**)
- Rear axle steering (**M-No. 0N5**)
- Porsche Dynamic Chassis Control (PDCC, **M-No. 1P7**)
- Automatic distance control (**M-No. 3V1 / 3V2 / 8T3 / 8T8**)
- Multi-function camera (**M-No. QK1 / QK3**)

**Labor time:**

Replacing power steering gear

Labor time: **535 TU**

- Includes:
- Deactivating and activating high-voltage system
  - Performing front and rear suspension alignment
  - Adjusting vehicle at front and rear
  - Calibrating front camera
  - Adjusting distance measuring sensor control unit
  - Checking and adjusting steering-angle sensor for PSM

**Required parts:**

Part No.	Designation – Location	Quantity
9Y1423056A	Steering gear	1 piece
N 10518405	Cheese head bolt with multiple-tooth head, self-locking, M8 x 30 – Universal joint on power steering gear	1 piece
WHT006662	Hexagon-head bolt (combination) M12 x 1.5 x 167 – Power steering gear on front axle carrier	2 pieces
WHT002305	Square nut, M12 x 1.5 – Power steering gear on front axle carrier	2 pieces
WHT006151	Hexagon collar nut, self-locking M14 x 1.5 – Tie-rod ball to wheel bearing housing	2 pieces
PAF005372	M12 x 1.5 x 51 cylinder head screw with multiple-tooth head – Front-axle support	2 pieces
PAF911511	Hexagon-head bolt (combination) M12 x 1.5 x 42 – Front-axle support	4 pieces
WHT002305	Square nut, M12 x 1.5 – Front-axle support	4 pieces
PAF91237901	Hexagon flange bolt (combination), M14 x 1.5 x 100 – Front-axle carrier, rear	4 pieces
PAF91184301	Hexagon-head bolt, M12 x 1.5 x 90 – Front axle carrier, front	4 pieces
PAF015081	Hexagon collar nut, M12 – Connecting link (PDCC)	4 pieces
PAF007423	12-point socket, M12 x 65 – Connecting link (PDCC)	4 pieces
N 90684704	Hex socket head screw (combination) – Front underbody cover	3 piece

⇒ Damage number WRC6 066 000 2

Scope 6: **Replacing power steering gear**Relevant for **Cayenne (9YA / 9YB)** with the following equipment:

- Adaptive air suspension (**M-No. 1BK**)
- Rear axle steering (**M-No. 0N5**)
- Multi-function camera (**M-No. QK1 / QK3**)

**Labor time:**

Replacing power steering gear

Labor time: **449 TU**

Includes: Performing front and rear suspension alignment  
 Adjusting vehicle at front and rear  
 Calibrating front camera  
 Checking and adjusting steering-angle sensor for PSM

**Required parts:**

<b>Part No.</b>	<b>Designation – Location</b>	<b>Quantity</b>
9Y1423055L	Steering gear	1 piece
N 10518405	Cheese head bolt with multiple-tooth head, self-locking, M8 x 30 – Universal joint on power steering gear	1 piece
WHT006662	Hexagon-head bolt (combination) M12 x 1.5 x 167 – Power steering gear on front axle carrier	2 pieces
WHT002305	Square nut, M12 x 1.5 – Power steering gear on front axle carrier	2 pieces
WHT006151	Hexagon collar nut, self-locking M14 x 1.5 – Tie-rod ball to wheel bearing housing	2 pieces
PAF005372	M12 x 1.5 x 51 cylinder head screw with multiple-tooth head – Front-axle support	2 pieces
PAF911511	Hexagon-head bolt (combination) M12 x 1.5 x 42 – Front-axle support	4 pieces
WHT002305	Square nut, M12 x 1.5 – Front-axle support	4 pieces
PAF91237901	Hexagon flange bolt (combination), M14 x 1.5 x 100 – Front-axle carrier, rear	4 pieces
PAF91184301	Hexagon-head bolt, M12 x 1.5 x 90 – Front axle carrier, front	4 pieces

WHT006917	12-point socket, M10 x 62 – Connecting link (conventional)	4 pieces
PAF102861	Hexagon collar nut, self-locking M10 – Connecting link (conventional)	4 pieces
N 90684704	Hex socket head screw (combination) – Front underbody cover	3 piece
⇒ <b>Damage number WRC6 066 000 2</b>		

Scope 7: **Replacing power steering gear**

Relevant for **Cayenne (9YA / 9YB)** with the following equipment:

- Adaptive air suspension **(M-No. 1BK)**
- Rear axle steering **(M-No. 0N5)**
- Engine protection **(M-No. 1SF)**
- Automatic distance control **(M-No. 3V1 / 3V2 / 8T3 / 8T8)**
- Multi-function camera **(M-No. QK1 / QK3)**

<b>Labor time:</b>		
Replacing power steering gear		Labor time: <b>503 TU</b>
Includes:	Removing and installing power unit guard Performing front and rear suspension alignment Adjusting vehicle at front and rear Calibrating front camera Adjusting distance measuring sensor control unit Checking and adjusting steering-angle sensor for PSM	
<b>Required parts:</b>		
<b>Part No.</b>	<b>Designation – Location</b>	<b>Quantity</b>
9Y1423055L	Steering gear	1 piece
N 10518405	Cheese head bolt with multiple-tooth head, self-locking, M8 x 30 – Universal joint on power steering gear	1 piece
WHT006662	Hexagon-head bolt (combination) M12 x 1.5 x 167 – Power steering gear on front axle carrier	2 pieces
WHT002305	Square nut, M12 x 1.5 – Power steering gear on front axle carrier	2 pieces
WHT006151	Hexagon collar nut, self-locking M14 x 1.5 – Tie-rod ball to wheel bearing housing	2 pieces

PAF005372	M12 x 1.5 x 51 cylinder head screw with multiple-tooth head – Front-axle support	2 pieces
PAF911511	Hexagon-head bolt (combination) M12 x 1.5 x 42 – Front-axle support	4 pieces
WHT002305	Square nut, M12 x 1.5 – Front-axle support	4 pieces
PAF91237901	Hexagon flange bolt (combination), M14 x 1.5 x 100 – Front-axle carrier, rear	4 pieces
PAF91184301	Hexagon-head bolt, M12 x 1.5 x 90 – Front axle carrier, front	4 pieces
WHT006917	12-point socket, M10 x 62 – Connecting link (conventional)	4 pieces
PAF102861	Hexagon collar nut, self-locking M10 – Connecting link (conventional)	4 pieces
N 10082912	Hexagon screw (instrument cluster), self-locking M6 x 16 – Front underbody cover	3 piece
⇒ Damage number WRC6 066 000 2		

Scope 8:

**Replacing power steering gear**Relevant for **Cayenne (9YA / 9YB)** with the following equipment:

- Adaptive air suspension (**M-No. 1BK**)
- Rear axle steering (**M-No. ON5**)
- Porsche Dynamic Chassis Control (PDCC, **M-No. 1P7**)
- Automatic distance control (**M-No. 3V1 / 3V2 / 8T3 / 8T8**)
- Multi-function camera (**M-No. QK1 / QK3**)

**Labor time:**

Replacing power steering gear

Labor time: **525 TU**

Includes: Performing front and rear suspension alignment  
Adjusting vehicle at front and rear  
Calibrating front camera  
Adjusting distance measuring sensor control unit  
Checking and adjusting steering-angle sensor for PSM

**Required parts:**

Part No.	Designation – Location	Quantity
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9Y1423055L	Steering gear	1 piece
N 10518405	Cheese head bolt with multiple-tooth head, self-locking, M8 x 30 – Universal joint on power steering gear	1 piece
WHT006662	Hexagon-head bolt (combination) M12 x 1.5 x 167 – Power steering gear on front axle carrier	2 pieces
WHT002305	Square nut, M12 x 1.5 – Power steering gear on front axle carrier	2 pieces
WHT006151	Hexagon collar nut, self-locking M14 x 1.5 – Tie-rod ball to wheel bearing housing	2 pieces
PAF005372	M12 x 1.5 x 51 cylinder head screw with multiple-tooth head – Front-axle support	2 pieces
PAF911511	Hexagon-head bolt (combination) M12 x 1.5 x 42 – Front-axle support	4 pieces
WHT002305	Square nut, M12 x 1.5 – Front-axle support	4 pieces
PAF91237901	Hexagon flange bolt (combination), M14 x 1.5 x 100 – Front-axle carrier, rear	4 pieces
PAF91184301	Hexagon-head bolt, M12 x 1.5 x 90 – Front axle carrier, front	4 pieces
PAF015081	Hexagon collar nut, M12 – Connecting link (PDCC)	4 pieces
PAF007423	12-point socket, M12 x 65 – Connecting link (PDCC)	4 pieces
N 90684704	Hex socket head screw (combination) – Front underbody cover	3 piece
⇒ Damage number WRC6 066 000 2		

Scope 9:

**Replacing power steering gear**

Relevant for **Cayenne (9YA / 9YB)** with the following equipment:

- Adaptive air suspension (M-No. 1BK)
- Rear axle steering (M-No. ON5)
- Automatic distance control (M-No. 3V1 / 3V2 / 8T3 / 8T8)
- Multi-function camera (M-No. QK1 / QK3)

**Labor time:**

Replacing power steering gear

Labor time: **477 TU**

Includes: Performing front and rear suspension alignment  
 Adjusting vehicle at front and rear  
 Calibrating front camera  
 Adjusting distance measuring sensor control unit  
 Checking and adjusting steering-angle sensor for PSM

**Required parts:**

<b>Part No.</b>	<b>Designation – Location</b>	<b>Quantity</b>
9Y1423055L	Steering gear	1 piece
N 10518405	Cheese head bolt with multiple-tooth head, self-locking, M8 x 30 – Universal joint on power steering gear	1 piece
WHT006662	Hexagon-head bolt (combination) M12 x 1.5 x 167 – Power steering gear on front axle carrier	2 pieces
WHT002305	Square nut, M12 x 1.5 – Power steering gear on front axle carrier	2 pieces
WHT006151	Hexagon collar nut, self-locking M14 x 1.5 – Tie-rod ball to wheel bearing housing	2 pieces
PAF005372	M12 x 1.5 x 51 cylinder head screw with multiple-tooth head – Front-axle support	2 pieces
PAF911511	Hexagon-head bolt (combination) M12 x 1.5 x 42 – Front-axle support	4 pieces
WHT002305	Square nut, M12 x 1.5 – Front-axle support	4 pieces
PAF91237901	Hexagon flange bolt (combination), M14 x 1.5 x 100 – Front-axle carrier, rear	4 pieces
PAF91184301	Hexagon-head bolt, M12 x 1.5 x 90 – Front axle carrier, front	4 pieces
WHT006917	12-point socket, M10 x 62 – Connecting link (conventional)	4 pieces
PAF102861	Hexagon collar nut, self-locking M10 – Connecting link (conventional)	4 pieces
N 90684704	Hex socket head screw (combination) – Front underbody cover	3 pieces

⇒ **Damage number WRC6 066 000 2**

Scope 10: **Replacing power steering gear**

Relevant for **Cayenne (9YA / 9YB)** with the following equipment:

- Adaptive air suspension **(M-No. 1BK)**
- Rear axle steering **(M-No. 0N5)**
- Night View Assist **(M no. 9R1)**
- Automatic distance control **(M-No. 3V1 / 3V2 / 8T3 / 8T8)**
- Multi-function camera **(M-No. QK1 / QK3)**

**Labor time:**

Replacing power steering gear

Labor time: **508 TU**

Includes: Performing front and rear suspension alignment  
 Adjusting vehicle at front and rear  
 Calibrating front camera  
 Programming night vision control unit  
 Adjusting distance measuring sensor control unit  
 Checking and adjusting steering-angle sensor for PSM

**Required parts:**

Part No.	Designation – Location	Quantity
9Y1423055L	Steering gear	1 piece
N 10518405	Cheese head bolt with multiple-tooth head, self-locking, M8 x 30 – Universal joint on power steering gear	1 piece
WHT006662	Hexagon-head bolt (combination) M12 x 1.5 x 167 – Power steering gear on front axle carrier	2 pieces
WHT002305	Square nut, M12 x 1.5 – Power steering gear on front axle carrier	2 pieces
WHT006151	Hexagon collar nut, self-locking M14 x 1.5 – Tie-rod ball to wheel bearing housing	2 pieces
PAF005372	M12 x 1.5 x 51 cylinder head screw with multiple-tooth head – Front-axle support	2 pieces
PAF911511	Hexagon-head bolt (combination) M12 x 1.5 x 42 – Front-axle support	4 pieces
WHT002305	Square nut, M12 x 1.5 – Front-axle support	4 pieces

PAF91237901	Hexagon flange bolt (combination), M14 x 1.5 x 100 – Front-axle carrier, rear	4 pieces
PAF91184301	Hexagon-head bolt, M12 x 1.5 x 90 – Front axle carrier, front	4 pieces
WHT006917	12-point socket, M10 x 62 – Connecting link (conventional)	4 pieces
PAF102861	Hexagon collar nut, self-locking M10 – Connecting link (conventional)	4 pieces
N 90684704	Hex socket head screw (combination) – Front underbody cover	3 piece
⇒ Damage number WRC6 066 000 2		

Scope 11: **Replacing power steering gear**

Relevant for **Cayenne (9YA / 9YB)** with the following equipment:

- Adaptive air suspension (**M-No. 1BK**)
- Rear axle steering (**M-No. 0N5**)
- Porsche Dynamic Chassis Control (PDCC, **M-No. 1P7**)
- Night View Assist (**M no. 9R1**)
- Automatic distance control (**M-No. 3V1 / 3V2 / 8T3 / 8T8**)
- Multi-function camera (**M-No. QK1 / QK3**)

**Labor time:**

Replacing power steering gear

Labor time: **555 TU**

Includes: Performing front and rear suspension alignment  
Adjusting vehicle at front and rear  
Calibrating front camera  
Programming night vision control unit  
Adjusting distance measuring sensor control unit  
Checking and adjusting steering-angle sensor for PSM

**Required parts:**

Part No.	Designation – Location	Quantity
9Y1423055L	Steering gear	1 piece
N 10518405	Cheese head bolt with multiple-tooth head, self-locking, M8 x 30 – Universal joint on power steering gear	1 piece
WHT006662	Hexagon-head bolt (combination) M12 x 1.5 x 167 – Power steering gear on front axle carrier	2 pieces

WHT002305	Square nut, M12 x 1.5 – Power steering gear on front axle carrier	2 pieces
WHT006151	Hexagon collar nut, self-locking M14 x 1.5 – Tie-rod ball to wheel bearing housing	2 pieces
PAF005372	M12 x 1.5 x 51 cylinder head screw with multiple-tooth head – Front-axle support	2 pieces
PAF911511	Hexagon-head bolt (combination) M12 x 1.5 x 42 – Front-axle support	4 pieces
WHT002305	Square nut, M12 x 1.5 – Front-axle support	4 pieces
PAF91237901	Hexagon flange bolt (combination), M14 x 1.5 x 100 – Front-axle carrier, rear	4 pieces
PAF91184301	Hexagon-head bolt, M12 x 1.5 x 90 – Front axle carrier, front	4 pieces
PAF015081	Hexagon collar nut, M12 – Connecting link (PDCC)	4 pieces
PAF007423	12-point socket, M12 x 65 – Connecting link (PDCC)	4 pieces
N 90684704	Hex socket head screw (combination) – Front underbody cover	3 piece
⇒ Damage number WRC6 066 000 2		

Scope 12: **Replacing power steering gear**

Relevant for **Cayenne (9YA / 9YB)** with the following equipment:

- Adaptive air suspension (M-No. 1BK)
- Multi-function camera (M-No. QK1 / QK3)

<b>Labor time:</b>		
Replacing power steering gear		Labor time: <b>449 TU</b>
Includes:	Performing front and rear suspension alignment Adjusting vehicle at front and rear Calibrating front camera Checking and adjusting steering-angle sensor for PSM	
<b>Required parts:</b>		
<b>Part No.</b>	<b>Designation</b> – Location	<b>Quantity</b>

PAB423055J	Steering gear	1 piece
N 10518405	Cheese head bolt with multiple-tooth head, self-locking, M8 x 30 – Universal joint on power steering gear	1 piece
WHT006662	Hexagon-head bolt (combination) M12 x 1.5 x 167 – Power steering gear on front axle carrier	2 pieces
WHT002305	Square nut, M12 x 1.5 – Power steering gear on front axle carrier	2 pieces
WHT006151	Hexagon collar nut, self-locking M14 x 1.5 – Tie-rod ball to wheel bearing housing	2 pieces
PAF005372	M12 x 1.5 x 51 cylinder head screw with multiple-tooth head – Front-axle support	2 pieces
PAF911511	Hexagon-head bolt (combination) M12 x 1.5 x 42 – Front-axle support	4 pieces
WHT002305	Square nut, M12 x 1.5 – Front-axle support	4 pieces
PAF91237901	Hexagon flange bolt (combination), M14 x 1.5 x 100 – Front-axle carrier, rear	4 pieces
PAF91184301	Hexagon-head bolt, M12 x 1.5 x 90 – Front axle carrier, front	4 pieces
WHT006917	12-point socket, M10 x 62 – Connecting link (conventional)	4 pieces
PAF102861	Hexagon collar nut, self-locking M10 – Connecting link (conventional)	4 pieces
N 90684704	Hex socket head screw (combination) – Front underbody cover	3 piece
⇒ Damage number WRC6 066 000 2		

Scope 13: **Replacing power steering gear**

Relevant for **Cayenne (9YA / 9YB)** with the following equipment:

- Adaptive air suspension (**M-No. 1BK**)
- Automatic distance control (**M-No. 3V1 / 3V2 / 8T3 / 8T8**)
- Multi-function camera (**M-No. QK1 / QK3**)

**Labor time:**

Replacing power steering gear

Labor time: **477 TU**

- Includes:
- Performing front and rear suspension alignment
  - Adjusting vehicle at front and rear
  - Calibrating front camera
  - Adjusting distance measuring sensor control unit
  - Checking and adjusting steering-angle sensor for PSM

**Required parts:**

Part No.	Designation – Location	Quantity
PAB423055J	Steering gear	1 piece
N 10518405	Cheese head bolt with multiple-tooth head, self-locking, M8 x 30 – Universal joint on power steering gear	1 piece
WHT006662	Hexagon-head bolt (combination) M12 x 1.5 x 167 – Power steering gear on front axle carrier	2 pieces
WHT002305	Square nut, M12 x 1.5 – Power steering gear on front axle carrier	2 pieces
WHT006151	Hexagon collar nut, self-locking M14 x 1.5 – Tie-rod ball to wheel bearing housing	2 pieces
PAF005372	M12 x 1.5 x 51 cylinder head screw with multiple-tooth head – Front-axle support	2 pieces
PAF911511	Hexagon-head bolt (combination) M12 x 1.5 x 42 – Front-axle support	4 pieces
WHT002305	Square nut, M12 x 1.5 – Front-axle support	4 pieces
PAF91237901	Hexagon flange bolt (combination), M14 x 1.5 x 100 – Front-axle carrier, rear	4 pieces
PAF91184301	Hexagon-head bolt, M12 x 1.5 x 90 – Front axle carrier, front	4 pieces
WHT006917	12-point socket, M10 x 62 – Connecting link (conventional)	4 pieces
PAF102861	Hexagon collar nut, self-locking M10 – Connecting link (conventional)	4 pieces
N 90684704	Hex socket head screw (combination) – Front underbody cover	3 piece

⇒ Damage number WRC6 066 000 2

Scope 14: **Replacing power steering gear**

Relevant for **Cayenne (9YA / 9YB)** with the following equipment:

- Adaptive air suspension (**M-No. 1BK**)
- Porsche Dynamic Chassis Control (PDCC, **M-No. 1P7**)
- Automatic distance control (**M-No. 3V1 / 3V2 / 8T3 / 8T8**)
- Multi-function camera (**M-No. QK1 / QK3**)

**Labor time:**

Replacing power steering gear

Labor time: **525 TU**

Includes: Performing front and rear suspension alignment  
Adjusting vehicle at front and rear  
Calibrating front camera  
Adjusting distance measuring sensor control unit  
Checking and adjusting steering-angle sensor for PSM

**Required parts:**

<b>Part No.</b>	<b>Designation – Location</b>	<b>Quantity</b>
PAB423055J	Steering gear	1 piece
N 10518405	Cheese head bolt with multiple-tooth head, self-locking, M8 x 30 – Universal joint on power steering gear	1 piece
WHT006662	Hexagon-head bolt (combination) M12 x 1.5 x 167 – Power steering gear on front axle carrier	2 pieces
WHT002305	Square nut, M12 x 1.5 – Power steering gear on front axle carrier	2 pieces
WHT006151	Hexagon collar nut, self-locking M14 x 1.5 – Tie-rod ball to wheel bearing housing	2 pieces
PAF005372	M12 x 1.5 x 51 cylinder head screw with multiple-tooth head – Front-axle support	2 pieces
PAF911511	Hexagon-head bolt (combination) M12 x 1.5 x 42 – Front-axle support	4 pieces
WHT002305	Square nut, M12 x 1.5 – Front-axle support	4 pieces
PAF91237901	Hexagon flange bolt (combination), M14 x 1.5 x 100 – Front-axle carrier, rear	4 pieces

PAF91184301	Hexagon-head bolt, M12 x 1.5 x 90 – Front axle carrier, front	4 pieces
PAF015081	Hexagon collar nut, M12 – Connecting link (PDCC)	4 pieces
PAF007423	12-point socket, M12 x 65 – Connecting link (PDCC)	4 pieces
N 90684704	Hex socket head screw (combination) – Front underbody cover	3 pieces
⇒ <b>Damage number WRC6 066 000 2</b>		

Scope 15: **Replacing power steering gear**

Relevant for **Cayenne (9YA / 9YB)** with the following equipment:

- Adaptive air suspension (**M-No. 1BK**)
- Night View Assist (**M no. 9R1**)
- Automatic distance control (**M-No. 3V1 / 3V2 / 8T3 / 8T8**)
- Multi-function camera (**M-No. QK1 / QK3**)

<b>Labor time:</b>		
Replacing power steering gear		Labor time: <b>508 TU</b>
Includes:	Performing front and rear suspension alignment Adjusting vehicle at front and rear Calibrating front camera Programming night vision control unit Adjusting distance measuring sensor control unit Checking and adjusting steering-angle sensor for PSM	
<b>Required parts:</b>		
<b>Part No.</b>	<b>Designation – Location</b>	<b>Quantity</b>
PAB423055J	Steering gear	1 piece
N 10518405	Cheese head bolt with multiple-tooth head, self-locking, M8 x 30 – Universal joint on power steering gear	1 piece
WHT006662	Hexagon-head bolt (combination) M12 x 1.5 x 167 – Power steering gear on front axle carrier	2 pieces
WHT002305	Square nut, M12 x 1.5 – Power steering gear on front axle carrier	2 pieces

WHT006151	Hexagon collar nut, self-locking M14 x 1.5 – Tie-rod ball to wheel bearing housing	2 pieces
PAF005372	M12 x 1.5 x 51 cylinder head screw with multiple-tooth head – Front-axle support	2 pieces
PAF911511	Hexagon-head bolt (combination) M12 x 1.5 x 42 – Front-axle support	4 pieces
WHT002305	Square nut, M12 x 1.5 – Front-axle support	4 pieces
PAF91237901	Hexagon flange bolt (combination), M14 x 1.5 x 100 – Front-axle carrier, rear	4 pieces
PAF91184301	Hexagon-head bolt, M12 x 1.5 x 90 – Front axle carrier, front	4 pieces
WHT006917	12-point socket, M10 x 62 – Connecting link (conventional)	4 pieces
PAF102861	Hexagon collar nut, self-locking M10 – Connecting link (conventional)	4 pieces
N 90684704	Hex socket head screw (combination) – Front underbody cover	3 pieces
⇒ Damage number WRC6 066 000 2		

Scope 16: **Replacing power steering gear**Relevant for **Cayenne (9YA / 9YB)** with the following equipment:

- Steel suspension (**M-No. 1BH**)
- Multi-function camera (**M-No. QK1 / QK3**)

**Labor time:**

Replacing power steering gear

Labor time: **399 TU**

Includes: Performing front and rear suspension alignment  
Adjusting vehicle at front and rear  
Calibrating front camera  
Checking and adjusting steering-angle sensor for PSM

**Required parts:**

Part No.	Designation – Location	Quantity
PAB423055J	Steering gear	1 piece

N 10518405	Cheese head bolt with multiple-tooth head, self-locking, M8 x 30 – Universal joint on power steering gear	1 piece
WHT006662	Hexagon-head bolt (combination) M12 x 1.5 x 167 – Power steering gear on front axle carrier	2 pieces
WHT002305	Square nut, M12 x 1.5 – Power steering gear on front axle carrier	2 pieces
WHT006151	Hexagon collar nut, self-locking M14 x 1.5 – Tie-rod ball to wheel bearing housing	2 pieces
PAF005372	M12 x 1.5 x 51 cylinder head screw with multiple-tooth head – Front-axle support	2 pieces
PAF911511	Hexagon-head bolt (combination) M12 x 1.5 x 42 – Front-axle support	4 pieces
WHT002305	Square nut, M12 x 1.5 – Front-axle support	4 pieces
PAF91237901	Hexagon flange bolt (combination), M14 x 1.5 x 100 – Front-axle carrier, rear	4 pieces
PAF91184301	Hexagon-head bolt, M12 x 1.5 x 90 – Front axle carrier, front	4 pieces
WHT006917	12-point socket, M10 x 62 – Connecting link (conventional)	4 pieces
PAF102861	Hexagon collar nut, self-locking M10 – Connecting link (conventional)	4 pieces
N 90684704	Hex socket head screw (combination) – Front underbody cover	3 pieces
⇒ Damage number WRC6 066 000 2		

Scope 17: **Replacing power steering gear**

Relevant for **Cayenne (9YA / 9YB)** with the following equipment:

- Steel suspension (**M-No. 1BH**)
- Automatic distance control (**M-No. 3V1 / 3V2 / 8T3 / 8T8**)
- Multi-function camera (**M-No. QK1 / QK3**)

**Labor time:**

Replacing power steering gear

Labor time: **427 TU**

Includes: Performing front and rear suspension alignment  
 Adjusting vehicle at front and rear  
 Calibrating front camera  
 Adjusting distance measuring sensor control unit  
 Checking and adjusting steering-angle sensor for PSM

**Required parts:**

<b>Part No.</b>	<b>Designation – Location</b>	<b>Quantity</b>
PAB423055J	Steering gear	1 piece
N 10518405	Cheese head bolt with multiple-tooth head, self-locking, M8 x 30 – Universal joint on power steering gear	1 piece
WHT006662	Hexagon-head bolt (combination) M12 x 1.5 x 167 – Power steering gear on front axle carrier	2 pieces
WHT002305	Square nut, M12 x 1.5 – Power steering gear on front axle carrier	2 pieces
WHT006151	Hexagon collar nut, self-locking M14 x 1.5 – Tie-rod ball to wheel bearing housing	2 pieces
PAF005372	M12 x 1.5 x 51 cylinder head screw with multiple-tooth head – Front-axle support	2 pieces
PAF911511	Hexagon-head bolt (combination) M12 x 1.5 x 42 – Front-axle support	4 pieces
WHT002305	Square nut, M12 x 1.5 – Front-axle support	4 pieces
PAF91237901	Hexagon flange bolt (combination), M14 x 1.5 x 100 – Front-axle carrier, rear	4 pieces
PAF91184301	Hexagon-head bolt, M12 x 1.5 x 90 – Front axle carrier, front	4 pieces
WHT006917	12-point socket, M10 x 62 – Connecting link (conventional)	4 pieces
PAF102861	Hexagon collar nut, self-locking M10 – Connecting link (conventional)	4 pieces
N 90684704	Hex socket head screw (combination) – Front underbody cover	3 piece

⇒ **Damage number WRC6 066 000 2**

Scope 18: **Replacing power steering gear**

Relevant for **Cayenne (9YA / 9YB)** with the following equipment:

- Steel suspension **(M-No. 1BH)**
- Night View Assist **(M no. 9R1)**
- Automatic distance control **(M-No. 3V1 / 3V2 / 8T3 / 8T8)**
- Multi-function camera **(M-No. QK1 / QK3)**

**Labor time:**

Replacing power steering gear

Labor time: **458 TU**

Includes: Performing front and rear suspension alignment  
 Adjusting vehicle at front and rear  
 Calibrating front camera  
 Programming night vision control unit  
 Adjusting distance measuring sensor control unit  
 Checking and adjusting steering-angle sensor for PSM

**Required parts:**

Part No.	Designation – Location	Quantity
PAB423055J	Steering gear	1 piece
N 10518405	Cheese head bolt with multiple-tooth head, self-locking, M8 x 30 – Universal joint on power steering gear	1 piece
WHT006662	Hexagon-head bolt (combination) M12 x 1.5 x 167 – Power steering gear on front axle carrier	2 pieces
WHT002305	Square nut, M12 x 1.5 – Power steering gear on front axle carrier	2 pieces
WHT006151	Hexagon collar nut, self-locking M14 x 1.5 – Tie-rod ball to wheel bearing housing	2 pieces
PAF005372	M12 x 1.5 x 51 cylinder head screw with multiple-tooth head – Front-axle support	2 pieces
PAF911511	Hexagon-head bolt (combination) M12 x 1.5 x 42 – Front-axle support	4 pieces
WHT002305	Square nut, M12 x 1.5 – Front-axle support	4 pieces

PAF91237901	Hexagon flange bolt (combination), M14 x 1.5 x 100 – Front-axle carrier, rear	4 pieces
PAF91184301	Hexagon-head bolt, M12 x 1.5 x 90 – Front axle carrier, front	4 pieces
WHT006917	12-point socket, M10 x 62 – Connecting link (conventional)	4 pieces
PAF102861	Hexagon collar nut, self-locking M10 – Connecting link (conventional)	4 pieces
N 90684704	Hex socket head screw (combination) – Front underbody cover	3 pieces
⇒ Damage number WRC6 066 000 2		

## Scope 19: Check power steering gear

<b>Labor time:</b>		
Check power steering gear		Labor time: <b>39 TU</b>
Includes: Loosen and secure cover for front underbody		
<b>Required parts:</b>		
<b>Part No.</b>	<b>Designation</b> <b>– Location</b>	<b>Quantity</b>
PAF00072900	Hexagon socket head bolt, M8 x 20 – Front underbody cover	3 pieces
<b>or</b>		
N 10082912	Hexagon screw (instrument cluster), self-locking M6 x 16 – Front underbody cover	3 pieces
⇒ Damage number WRC6 066 000 1		

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