

# WLA5 Workshop campaign - Replacing rear axle differential

Version 1

English (US)

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# WLA5 Workshop Campaign - Replacing rear axle differential

## Overview

Due to inadequate cleaning of the rear axle differential components during the production process, there is a possibility that production residues may have been left in the rear axle differential. These production residues can damage the splines or the bearings in the rear axle differential over the service life of the vehicle.

To prevent noises from the rear axle area resulting from this, the rear axle differential on the affected vehicles must be replaced

Please arrange for this measure to be carried out on the affected vehicles during the next workshop visit.

<b>Model type</b>	Cayenne Hybrid (9YAAE1) Cayenne Turbo (9YACF1)
<b>Model year</b>	2020
<b>Number</b>	25

## Parts required

<b>Part No.</b>	<b>Designation – Use</b>	<b>Number</b>
ODG500043HX	Rear axle differential	1 ea.
PAF107599	Cheese head bolt, M10 x 1 x 45 – Cardan shaft to rear axle differential	6 ea.
95534919121	Plate, M10 x 1 x 45 – Cardan shaft	3 ea.
PAF91201301	Combination screw, M14 x 1.5 x 120	1 ea.

	– Rear axle differential to rear axle housing, front	
PAF91114701	Combination screw, M12 x 1.5 x 110	2 ea.
	– Rear axle differential to rear axle housing, rear	
N 91228001	Hexagon-head bolt, M14 x 1.5 x 145	2 ea.
	– Rear axle housing to body	
N 10629602	Hexagon-head bolt, M10 x 35	2 ea.
	– Rear strut to body	
8E0407643A	Collared cheese head bolt, M16 x 1.5 x 72	2 ea.
	– Drive shaft to wheel hub	
95533212500	Circlip	2 ea.
	– Drive shaft to wheel hub	
N 10810701	Hexagon-head bolt, M8 x 25	2 ea.
	– Anti-roll bar to rear axle housing	
N 91228901	Hexagon-head bolt, M10 x 70	2 ea.
	– Connecting link to anti-roll bar	
N 10272302	Hexagon-head bolt, M10 x 35	2 ea.
	– Connecting link to anti-roll bar	
958007096	Hexagon-head bolt, M12 x 1.5 x 100	2 ea.
	– Longitudinal control arm to wheel bearing housing	
N 10106403	Hexagon nut, M14 x 1.5	2 ea.
	– Upper control arm, front to wheel bearing housing	
N 91237101	Hexagon-head bolt, M14 x 1.5 x 85	2 ea.
	– Upper control arm, front to wheel bearing housing	
PAF006496	Hexagon-head bolt, M14 x 1.5 x 100	4 ea.

– Upper control arm, rear to wheel bearing housing

– Upper control arm, rear to wheel bearing housing

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N 10629602	Hex flange bolt, M10 x 35	2 ea.
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– Rear strut to body

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N 10699401	Hexagon-head bolt, M10 x 50	2 ea.
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– Rear strut to body

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N 10456004	Internal hexagon round countersunk screw, M6 x 12	4 ea.
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– Brake disc to wheel hub

Also for vehicles with 18-inch disc brakes (I-no. 1ZJ, 1ZB, 1ZH, 1ZS):

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WHT004571	Collared cheese head bolt, M14 x 1.5 x 115	4 ea.
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– Brake calliper to wheel bearing housing

or

Also for vehicles with PSCB (I-no. 1ZI):

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N 91183701	Collared cheese head bolt, M14 x 1.5 x 135	4 ea.
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– Brake calliper to wheel bearing housing

or

Also for vehicles with PCCB (I-no. 1ZV):

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N 91252201	Collared cheese head bolt, M14 x 1.5 x 130	4 ea.
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– Brake calliper to wheel bearing housing

The removed rear axle differential must be stored until such a time as the **related warranty or campaign claim has been credited**. If a **barcode is generated** with the credit note, the affected part must be sent to Porsche AG as usual. If no barcode is generated with the credit note, the part can go directly into the genuine remanufactured parts process or be scrapped.

### Ordering required parts

Please order the required parts as needed, with no PRMS ticket or email for parts release necessary.

## Warranty processing

Validity:

Due to various equipment variants, the required preparatory and concluding work for removing and installing the rear axle differential can differ depending on the vehicle. Specific campaign scopes have been defined for this purpose. Every vehicle is therefore assigned just one campaign scope. To find out which campaign scope is assigned to each vehicle, see PCSS Vehicle Information. Perform the campaign scope assigned to the VIN in PCSS.

### Overview of campaign scopes:

#### Scope 1: Replacing rear axle differential

Only relevant for vehicles with the following version/equipment:

- Air suspension (1BK)

Damage code	WLA5 66 000
Repair code	2
Working time	1176 TU

#### Scope 2: Replacing rear axle differential

Only relevant for vehicles with the following version/equipment:

- Air suspension (1BK)
- ACC/Distance measuring sensor control unit (8T3, 8T8, 3V1, 3V2)

Damage code	WLA5 66 0000
Repair code	2
Working time	1225 TU

#### Scope 3: Replacing rear axle differential

Only relevant for vehicles with the following version/equipment:

- Air suspension (1BK)
- Night View Assist (9R1)

Damage code	WLA5 66 000
Repair code	2
Working time	1306 TU

#### Scope 4: Replacing rear axle differential

Only relevant for vehicles with the following version/equipment:

- Air suspension (1BK)
- Porsche Dynamic Chassis Control – PDCC (1P7)

Damage code	WLA5 66 000
Repair code	2
Working time	1278 TU

**Scope 5: Replacing rear axle differential**

Only relevant for vehicles with the following version/equipment:

- Air suspension (1BK)
- Porsche Dynamic Chassis Control – PDCC (1P7)
- ACC/Distance measuring sensor control unit (8T3, 8T8, 3V1, 3V2)

Damage code	WLA5 66 000
Repair code	2
Working time	1176 TU

**Scope 6: Replacing rear axle differential**

Only relevant for vehicles with the following version/equipment:

- Air suspension (1BK)
- Porsche Dynamic Chassis Control – PDCC (1P7)
- ACC/Distance measuring sensor control unit (8T3, 8T8, 3V1, 3V2)
- Night View Assist (9R1)

Damage code	WLA5 66 000
Repair code	2
Working time	1317 TU

**Scope 7: Replacing rear axle differential**

Only relevant for vehicles with the following version/equipment:

- Steel springs (1BH)

Damage code	WLA5 66 000
Repair code	2
Working time	1058 TU

**Scope 8: Replacing rear axle differential**

Only relevant for vehicles with the following version/equipment:

- Steel springs (1BH)
- ACC (8T3, 8T8, 3V1, 3V2)

Damage code	WLA5 66 000
Repair code	2
Working time	1086 TU

Please enter the campaign that was carried out in the Warranty and Maintenance booklet for the vehicle.

### Porsche Mobility

If requested, the mobility of the affected customer can be assured by offering a suitable replacement vehicle.

Please invoice this additional service with the campaign scope via WWS.

### Further information

Work instruction	TI No. 09/20, Group 3, Service, WLA5
Vehicle list and allocation	See PCSS or attached VIN list for reference
Technical Information*	See PCSS or the <a href="#">Aftersales Document Database</a> for reference

[WLA5 VIN List.xlsx](#)

**8.8 KB**

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