

Clunking Noises from the Front Axle Area when Driving Over Uneven Surfaces (SY 57/26)

Model Line: **Taycan (Y1A/Y1B/Y1C)**

Model year: **from 2025 to 2026**

Equipment: Active damper control (ADR) **(M-no. 1P8)**

Concerns: **Front air spring strut**

Symptom: **The customer complains about clunking noises from the front end area under slight stimulation of the spring struts, particularly when driving over uneven surfaces in urban traffic at speeds of 0 to 18 mph/30 km/h.**

Cause: In rare cases, the check valve (RSV) installed in the damper can cause irregularities in the force curve, which can be heard acoustically.

Remedial Action: If the customer complaint can be clearly restricted to the front air-spring strut, replace **both** previous front air-spring struts with front air-spring struts with **optimized** component status.



Information

The installation of the optimized front air-spring struts with part numbers PAD616037N and PAD616038N is only approved in the event of a noise complaint as part of this symptom-based repair description (SY) or on vehicles that already have the new component version installed as standard.

Date of Introduction: **Taycan (Y1A):**
From 03/12/2026 or from chassis number WP0ZZZY17TSA32423, front air-spring struts with optimized component status (index N) are used in production.

Taycan (Y1B/Y1C):
From 03/16/2026 or from chassis number WP0ZZZY11TSA44406, front air-spring struts with optimized component status (index N) are used in production.

Required parts

Parts:

Part no.	Designation – Location	Number
PAD616037N	> <u>1 piece air spring damper, left PAD616037N</u> Air spring damper – left	1 piece
PAD616038N	> <u>1 piece air spring damper, right PAD616038N</u> Air spring damper – right	1 piece
PAF108544	> <u>2 x Oval-head bolt with multiple-tooth head, M12 X 1.5 X 90 PAF108544</u> Oval-head bolt with multiple-tooth head, M12 X 1.5 X 90 – Air-spring strut fork on lower trailing arm	2 pieces
PAF909664	> <u>2 x hexagon collar nut, self-locking, M12 X 1.5 PAF909664</u> hexagon collar nut, self-locking, M12 X 1.5 – Air-spring strut fork on lower trailing arm	2 pieces
PAF107037	> <u>6 x hexagon-head bolt, M10 X 52 PAF107037</u> hexagon-head bolt, M10 X 52 – Air spring strut to body	6 pieces
9A700837900	> <u>2 x cable tie, A8,0X337 9A700837900</u> cable tie A8,0X337 – Air guide for brake cooling	2 pieces
N 10261307	> <u>2 x hexagon nut, M10 N 10261307</u> hexagon nut, M10 nut securing wiper arm to wiper linkage	2 pieces

Part no.	Designation – Location	Number
9A700499500	> <u>2 x hexagon nut, M12 x 1.5</u> <u>9A700499500</u> hexagon nut, M12 x 1.5 – Tie rod to wheel bearing housing	2 pieces
PAF005633	> <u>2 x double-hex collar</u> <u>nut, self-locking, M14 X 1.5</u> <u>PAF005633</u> double-hex col- lar nut, self-locking, M14 X 1.5 – Lower trailing arm to wheel bearing housing	2 pieces
PAF911085	> <u>2 x collared cheese head</u> <u>bolt with multiple-tooth head,</u> <u>M10 X 60 PAF911085</u> col- lared cheese head bolt with multiple-tooth head, M10 X 60 – Upper trailing arm to wheel bearing housing	2 pieces
PAF102861	> <u>2 x hexagon collar nut, self-</u> <u>locking, M10 PAF102861</u> hexagon collar nut, self-lock- ing, M10 Upper trailing arm to wheel bearing housing	2 pieces
N 10456004	> <u>2 x internal hexagon</u> <u>round countersunk screw,</u> <u>self-locking, M6 X 12 N</u> <u>10456004</u> hexagon round countersunk screw, self-lock- ing, M6 X 12 – Brake disc to wheel hub	2 pieces
N 10793603	> <u>2 x hexagon-head bolt,</u> <u>M12 X 60 N 10793603</u> hexa- gon-head bolt, M12 X 60- Connecting link to anti-roll bar	2 pieces

Part no.	Designation – Location	Number
PAF909664	> 2 x hexagon collar nut, self-locking, M12 X 1.5 <u>PAF909664</u> hexagon collar nut, self-locking, M12 X 1.5 – Connecting link to anti-roll bar	2 pieces
Additionally required parts for vehicles with the following equipment: Front disc brakes, standard (M-No. 1LR/1LS/E0A)		
PAF004571	> 4 x collared cheese head bolt with multiple-tooth head, M14 X 1.5 X 115 <u>PAF004571</u> collared cheese head bolt with multiple-tooth head, M14 X 1.5 X 115 – Front brake calliper to wheel bearing housing	4 pieces
Additionally required parts for vehicles with the following equipment: Front disc brakes (M-no. 1LZ/1ZP/1LQ/1LX/1IA/E0W)		
PAF004572	> 4 x collared cheese head bolt with hexagon socket head, M14 X 1.5 X 135 <u>PAF004572</u> collared cheese head bolt with hexagon socket head, M14 X 1.5 X 135 – Front brake calliper to wheel bearing housing	4 pieces
Additionally required parts for vehicles with the following equipment: All-wheel drive (M No. 1X1)		
9J1407623	> 1 x deflector ring, left <u>9J1407623</u> Deflector ring, left – Drive shaft	1 piece
971407624	> 1 x deflector ring, right <u>971407624</u> Deflector ring, right – Drive shaft	1 piece

Symptom-based workshop manual

Service

57/26

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4

Part no.	Designation – Location	Number
WHT007021	> 2 x hexagon nut, self-locking with washer, M22 X 1.5 WHT007021 hexagon nut, self-locking with washer, M22 X 1.5 - Drive shaft to wheel hub	2 pieces
9A740763500	> 2 x circlip 9A740763500 Circlip - Drive shaft	2 pieces
WHT005156	> 1 x O-ring, 28 x 2 WHT005156 O-ring, 28 x 2 - Drive shaft, right	1 piece
WHT005157	> 1 x O-ring 23.52 X 1.78-S WHT005157 O-ring 23.52 X 1.78-S - Drive shaft, left	1 piece

Materials:

Required material (usually already available at the Porsche Center)

Part no.	Designation – Location	Quantity
00004330574	> Hydraulic oil 1.0 litre as required 00004330574 Hydraulic oil 1.0 liter - ADR system	as required
00004330508	> Assembly paste 00004330508 as required Assembly paste - Drive shaft gear teeth	as required

Required tools:

Tools:

- > P90999 – Porsche Tester 4. Generation
- Battery charger with a current rating of **at least 90 A** and a **current and voltage-controlled charge map** for lithium starter batteries, e.g. > VAS 5908 – battery charger 90 A. For further information about the battery chargers to be used, see the corresponding Workshop Manual. **270689 Charge vehicle electrical system battery**
- > VAS 6122/2 – Caps

- > [T90041 - Assembly tool](#)
- > [VAS 6931A - Transmission and engine jack](#)
- > [VAS 6544A - Filling equipment](#)
- > [VAS 6096/2 - Vacuum pump](#)
- > [VAS 6935 - Pole terminal puller](#)
- > [T40010A - Ball-joint extractor](#)
- > [T10187 - Press-out tool](#)
- > [VAS 6926 - Puller set](#)

Replace front left and right air spring struts

Work Procedure:

- 1 Remove previous front air-spring struts and replace with front air-spring struts with **optimized** component status.

Work procedure See: **43301905 Removing and installing front air-spring strut (active damper control)**



Information

The action described in this symptom-based repair description (SY) may only be invoiced under the new vehicle warranty. Invoicing via the Porsche Approved Warranty is not possible.

Labor position and PCSS encryption

Labor position:

Removing and installing 2 front spring struts (all-wheel drive)

Removing and installing 2 front spring struts (rear-wheel drive)

PCSS encryption:

Front air-spring strut
rattles, knocks

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