

WPN5 - Replacing Air-Spring Strut on the Front Axle (Workshop Campaign)

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

Model Year: **2023**

Equipment: Adaptive air suspension with Porsche Active Suspension Management (PASM) **(M-No.: 1BK)**

Concerns: **Air-spring strut, front axle**

Cause: **There is a possibility that the screw connection of the support mount housing on the air suspension strut on the affected vehicles was not carried out according to specifications.**
 If this is the case, it cannot be ruled out that a stud of the support mount housing could loosen over the vehicle's service life and in a sporty-dynamic driving style. The customer can notice this through a rattling noise on the front axle.

Action: Replace air-spring strut on the front axle.

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



Information

Every vehicle is assigned exactly to one campaign scope.
 To find out which scope is assigned to the relevant vehicle, see PCSS Vehicle Information.

Required parts

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

Required tools

- Tools:
- T40262 - Locking cap
 - VAS 6410 - Contact surface cleaning set
 - VAS 6558/9-6A - High-voltage test adapter
 - VAS 6558A - High-voltage testing module
 - VAS 6883A - Insulated tool set
 - VAS 6959 - Torx screwdriver insert T30
 - 3093 - Hose clamp
 - VAS 531 011 - Cooling system service equipment
 - VAS 6675A - Funnel
 - VAS 6935 - Pole terminal puller

- T10187 - Press-out tool
- T40010A - Ball-joint extractor
- VAS 6926 - Puller set
- VAS 6931 - Transmission and gearbox jack
- VAS 5908 - Battery charger, 90A
- VAS 6918 - Quick-clamping unit
- T90009 - Insert tool
- VAS 261 019 - Ratchet ring wrench socket, a/f 19
- VAS 6826 - Steering wheel balance
- P90009 - Puller
- VAS 621 001 - Headlight adjusting unit
- VAS 721 001 - Calibration System
- VAS 6430/6 - Night View Assist calibration unit
- VAS 6430/1A - Adjustment device with reflector
- VAS 6350A - Calibration unit
- VAS 6350/2A - Spacing laser
- VAS 6350/4 - Calibration unit for Lane Change Assist
- VAS 6430/1A - Adjustment device with reflector
- VAS 6430/3 - Mirror for adjustment device
- VAS 6430/4 - Lane Keep Assist calibration board

Replacing air-spring strut on the front axle

Work Procedure:



Information

Depending on the campaign scope, the air suspension strut on the front axle of the affected vehicles must be replaced either on one side or on both sides. See the campaign scope assigned to the respective vehicle.

On vehicles for which only the replacement of an air suspension strut is provided, both air-spring struts must also be **replaced at a mileage/km of > 30,000 km or at a vehicle age of more than 3 years.**

For this purpose, the VIN and mileage/km must be documented with a photo and the photo documentation attached to the job. In this case, a PRMS ticket must be created for the change in scope.

- 1 Replace air-spring strut on the front axle on one or both sides depending on the assigned campaign scope.
For instructions, see: ⇒ *Workshop Manual '433019 Removing and installing front air-spring strut'*
- 2 Enter the campaign in the Warranty and Maintenance logbook.

Warranty processing



Information

The specified working times were determined specifically for carrying out this campaign and may differ from the working times published in the Labor Operation List in the PCSS.

Scope 1: **Replacing air suspension strut on left front axle**

- Valid for vehicles with **rear-wheel drive** and the following equipment: Sports saloon (**M-No. K8S**) or Sport Turismo (**M-No. K8D**)

Labor time:		
Replacing air suspension strut on left front axle		Labor time: 851 TU
Includes:	Isolating high-voltage system from power supply/Starting high-voltage system Bleed and fill level control Measuring front and rear vehicle Adjusting vehicle at front and rear Calibrating camera for night vision system Calibrating front camera Adjusting distance measuring sensor control unit	
Required parts:		
V04015001AJ	Air spring damper (left)	1 piece
N 10261311	M10 hexagon nut	3 pieces
PAF909664	Hexagon collar nut, self-locking M12 x 1.5	1 piece
PAF108544	Oval head bolt with inner multiple-tooth head M12 x 1.5 x 90	1 piece
N 10272302	Hexagon collar nut, self-locking M10	1 piece
N 0150818	Hexagon collar nut, M12 x 1.5	1 piece
N 10793603	Hexagon-head bolt, M12 x 60	1 piece
PAF102861	Hexagon collar nut, self-locking M10	1 piece
PAF911085	Collared cheese head bolt with multiple-tooth head, M10 x 60	1 piece
N 91244301	Hexagon-head bolt with hexagon socket head (Duo) M12 x 1.5 x 90	6 pieces
WHT001938	Hexagon nut, self-locking, M14 x 1.5	2 pieces
WHT007646	Eccentric screw, M14 x 1.5 x 105	2 pieces

PAF009123	Eccentric screw, M12 x 1.5	2 pieces
PAF909664	Hexagon collar nut, self-locking, M12 x 1.5	2 pieces
N 10456004	Allen socket countersunk screw, self-locking M6 x 12	1 piece
N 10261307	M10 hexagon nut	2 pieces

For vehicles with the following equipment: Equipment "Basic" (M-No. A8D) or equipment "S" (M-No. A8F)

PAF004571	Collared cheese head bolt with multiple-tooth head, M14 x 1.5 x 115	2 pieces
-----------	--	----------

or

For vehicles with the following equipment: Porsche Ceramic Composite Brake (PCCB) (M-No. 1LQ / M-No. 1LX / M-No. 1ZL / M-No. 1ZP)

PAF004572	Collared cheese head bolt with multiple-tooth head, M14 x 1.5 x 135	2 pieces
-----------	--	----------

Required materials:

00004330508	Optimoly TA (aluminium paste)	0.04 piece
-------------	-------------------------------	------------

⇒ Damage number WPN5 066 000 2

Scope 2:

Replacing air-spring strut on right front axle

- Valid for vehicles with **rear-wheel drive** and the following equipment: Sports saloon (**M-No. K8S**) or Sport Turismo (**M-No. K8D**)

Labor time:

Replacing air-spring strut on right front axle Labor time: **851 TU**

Includes: Isolating high-voltage system from power supply/Starting high-voltage system
Bleed and fill level control
Measuring front and rear vehicle
Adjusting vehicle at front and rear
Calibrating camera for night vision system
Calibrating front camera
Adjusting distance measuring sensor control unit

Required parts:

V04015001AM	Air spring damper (right)	1 piece
-------------	---------------------------	---------

N 10261311	M10 hexagon nut	3 pieces
PAF909664	Hexagon collar nut, self-locking, M12 x 1.5	1 piece
PAF108544	Oval head bolt with inner multiple-tooth head M12 x 1.5 x 90	1 piece
N 10272302	Hexagon collar nut, self-locking M10	1 piece
N 0150818	Hexagon collar nut, M12 x 1.5	1 piece
N 10793603	Hexagon-head bolt, M12 x 60	1 piece
PAF102861	Hexagon collar nut, self-locking M10	1 piece
PAF911085	Collared cheese head bolt with multiple-tooth head, M10 x 60	1 piece
N 91244301	Hexagon-head bolt with hexagon socket head (Duo) M12 x 1.5 x 90	6 pieces
WHT001938	Hexagon nut, self-locking, M14 x 1.5	2 pieces
WHT007646	Eccentric screw, M14 x 1.5 x 105	2 pieces
PAF009123	Eccentric screw, M12 x 1.5	2 pieces
PAF909664	Hexagon collar nut, self-locking, M12 x 1.5	2 pieces
N 10456004	Allen socket countersunk screw, self-locking M6 x 12	1 piece
N 10261307	M10 hexagon nut	2 pieces
For vehicles with the following equipment: Equipment "Basic" (M-No. A8D) or equipment "S" (M-No. A8F)		
PAF004571	Collared cheese head bolt with multiple-tooth head, M14 x 1.5 x 115	2 pieces
or		
For vehicles with the following equipment: Equipment "Basic" (M-No. A8D) or equipment "S" (M-No. A8F)		
PAF004572	Collared cheese head bolt with multiple-tooth head, M14 x 1.5 x 135	2 pieces
Required materials:		
00004330508	Optimoly TA (aluminium paste)	0.04 piece
⇒ Damage number WPN5 066 000 2		

Scope 3:

Replacing air-spring struts on right and left front axle

- Valid for vehicles with **rear-wheel drive** and the following equipment: Sports saloon (**M-No. K8S**) or Sport Turismo (**M-No. K8D**)

Labor time:

Replacing air-spring struts on right and left front axle

Labor time: **1006 TU**

Includes: Isolating high-voltage system from power supply/Starting high-voltage system
 Bleed and fill level control
 Measuring front and rear vehicle
 Adjusting vehicle at front and rear
 Calibrating camera for night vision system
 Calibrating front camera
 Adjusting distance measuring sensor control unit

Required parts:

V04015001AJ	Air spring damper (left)	1 piece
V04015001AM	Air spring damper (right)	1 piece
N 10261311	M10 hexagon nut	6 pieces
PAF909664	Hexagon collar nut, self-locking, M12 x 1.5	2 pieces
PAF108544	Oval head bolt with inner multiple-tooth head M12 x 1.5 x 90	2 pieces
N 10272302	Hexagon collar nut, self-locking M10	2 pieces
N 0150818	Hexagon collar nut, M12 x 1.5	2 pieces
N 10793603	Hexagon-head bolt, M12 x 60	2 pieces
PAF102861	Hexagon collar nut, self-locking M10	2 pieces
PAF911085	Collared cheese head bolt with multiple-tooth head, M10 x 60	2 pieces
N 91244301	Hexagon-head bolt with hexagon socket head (Duo) M12 x 1.5 x 90	6 pieces
WHT001938	Hexagon nut, self-locking, M14 x 1.5	2 pieces
WHT007646	Eccentric screw, M14 x 1.5 x 105	2 pieces
PAF009123	Eccentric screw, M12 x 1.5	2 pieces
PAF909664	Hexagon collar nut, self-locking, M12 x 1.5	2 pieces
N 10456004	Allen socket countersunk screw, self-locking M6 x 12	2 pieces
N 10261307	M10 hexagon nut	2 pieces

For vehicles with the following equipment: Equipment "Basic" (M-No. A8D) or equipment "S" (M-No. A8F)

PAF004571	Collared cheese head bolt with multiple-tooth head, M14 x 1.5 x 115	4 pieces
-----------	--	----------

or

For vehicles with the following equipment: Equipment "Basic" (M-No. A8D) or equipment "S" (M-No. A8F)

PAF004572	Collared cheese head bolt with multiple-tooth head, M14 x 1.5 x 135	4 pieces
-----------	--	----------

Required materials:

00004330508	Optimoly TA (aluminium paste)	0.04 piece
-------------	-------------------------------	------------

⇒ **Damage number WPN5 066 000 2**

Scope 4:

Replacing air-spring struts on right and left front axle

- Valid for vehicles with **rear-wheel drive** and the following equipment: Sports saloon (**M-No. K8S**) or Sport Turismo (**M-No. K8D**)
- Only for vehicles for which only the **replacement of an air-spring strut is planned**, but **both air-spring struts** have been replaced depending on mileage

Labor time:

Replacing air-spring struts on right and left front axle Labor time: **1006 TU**

Includes: Isolating high-voltage system from power supply/Starting high-voltage system
Bleed and fill level control
Measuring front and rear vehicle
Adjusting vehicle at front and rear
Calibrating camera for night vision system
Calibrating front camera
Adjusting distance measuring sensor control unit

Required parts:

V04015001AJ	Air spring damper (left)	1 piece
V04015001AM	Air spring damper (right)	1 piece
N 10261311	M10 hexagon nut	6 pieces
PAF909664	Hexagon collar nut, self-locking, M12 x 1.5	2 pieces

PAF108544	Oval head bolt with inner multiple-tooth head M12 x 1.5 x 90	2 pieces
N 10272302	Hexagon collar nut, self-locking M10	2 pieces
N 0150818	Hexagon collar nut, M12 x 1.5	2 pieces
N 10793603	Hexagon-head bolt, M12 x 60	2 pieces
PAF102861	Hexagon collar nut, self-locking M10	2 pieces
PAF911085	Collared cheese head bolt with multiple-tooth head, M10 x 60	2 pieces
N 91244301	Hexagon-head bolt with hexagon socket head (Duo) M12 x 1.5 x 90	6 pieces
WHT001938	Hexagon nut, self-locking, M14 x 1.5	2 pieces
WHT007646	Eccentric screw, M14 x 1.5 x 105	2 pieces
PAF009123	Eccentric screw, M12 x 1.5	2 pieces
PAF909664	Hexagon collar nut, self-locking, M12 x 1.5	2 pieces
N 10456004	Allen socket countersunk screw, self-locking M6 x 12	2 pieces
N 10261307	M10 hexagon nut	2 pieces
For vehicles with the following equipment: Equipment "Basic" (M-No. A8D) or equipment "S" (M-No. A8F)		
PAF004571	Collared cheese head bolt with multiple-tooth head, M14 x 1.5 x 115	4 pieces
or		
For vehicles with the following equipment: Equipment "Basic" (M-No. A8D) or equipment "S" (M-No. A8F)		
PAF004572	Collared cheese head bolt with multiple-tooth head, M14 x 1.5 x 135	4 pieces
Required materials:		
00004330508	Optimoly TA (aluminium paste)	0.04 piece
⇒ Damage number WPN5 066 000 2		

Scope 5: **Replacing air suspension strut on left front axle**

- Valid for vehicles with **all-wheel drive** and the following equipment: Sports saloon (**M-No. K8S**)

Labor time:

Replacing air suspension strut on left front axle

Labor time: **868 TU**

- Includes:
- Isolating high-voltage system from power supply/Starting high-voltage system
 - Bleed and fill level control
 - Measuring front and rear vehicle
 - Adjusting vehicle at front and rear
 - Calibrating camera for night vision system
 - Calibrating front camera
 - Adjusting distance measuring sensor control unit

Required parts:

V04015001AJ	Air spring damper (left)	1 piece
N 10261311	M10 hexagon nut	3 pieces
PAF909664	Hexagon collar nut, self-locking, M12 x 1.5	1 piece
PAF108544	Oval head bolt with inner multiple-tooth head M12 x 1.5 x 90	1 piece
9J1407623	Spin washer	1 piece
N 10272302	Hexagon collar nut, self-locking M10	1 piece
N 0150818	Hexagon collar nut, M12 x 1.5	1 piece
N 10793603	Hexagon-head bolt, M12 x 60	1 piece
WHT007021	Hexagon nut, self-locking with washer, M22 x 1.5	1 piece
PAF102861	Hexagon collar nut, self-locking M10	1 piece
PAF911085	Collared cheese head bolt with multiple-tooth head, M10 x 60	1 piece
N 91244301	Hexagon-head bolt with hexagon socket head (Duo) M12 x 1.5 x 90	6 pieces
WHT001938	Hexagon nut, self-locking, M14 x 1.5	2 pieces
WHT007646	Eccentric screw, M14 x 1.5 x 105	2 pieces
PAF009123	Eccentric screw, M12 x 1.5	2 pieces
PAF909664	Hexagon collar nut, self-locking, M12 x 1.5	2 pieces
N 10456004	Allen socket countersunk screw, self-locking M6 x 12	1 piece
N 10261307	M10 hexagon nut	2 pieces

For vehicles with the following equipment: Equipment "Basic" (M-No. A8D) or equipment "S" (M-No. A8F)

PAF004571	Collared cheese head bolt with multiple-tooth head, M14 x 1.5 x 115	2 pieces
-----------	--	----------

or

For vehicles with the following equipment: Equipment "Basic" (M-No. A8D) or equipment "S" (M-No. A8F)

PAF004572	Collared cheese head bolt with multiple-tooth head, M14 x 1.5 x 135	2 pieces
-----------	--	----------

Required materials:

00004330508	Optimoly TA (aluminium paste)	0.04 piece
-------------	-------------------------------	------------

⇒ Damage number WPN5 066 000 2

Scope 6:

Replacing air-spring strut on right front axle

- Valid for vehicles with **all-wheel drive** and the following equipment: Sports saloon (**M-No. K8S**)

Labor time:

Replacing air-spring strut on right front axle	Labor time: 868 TU
--	---------------------------

Includes: Isolating high-voltage system from power supply/Starting high-voltage system
Bleed and fill level control
Measuring front and rear vehicle
Adjusting vehicle at front and rear
Calibrating camera for night vision system
Calibrating front camera
Adjusting distance measuring sensor control unit

Required parts:

V04015001AM	Air spring damper (right)	1 piece
N 10261311	M10 hexagon nut	3 pieces
PAF909664	Hexagon collar nut, self-locking, M12 x 1.5	1 piece
PAF108544	Oval head bolt with inner multiple-tooth head M12 x 1.5 x 90	1 piece
971407624	Spin washer	1 piece
N 10272302	Hexagon collar nut, self-locking M10	1 piece
N 0150818	Hexagon collar nut, M12 x 1.5	1 piece
N 10793603	Hexagon-head bolt, M12 x 60	1 piece

WHT007021	Hexagon nut, self-locking with washer, M22 x 1.5	1 piece
PAF102861	Hexagon collar nut, self-locking M10	1 piece
PAF911085	Collared cheese head bolt with multiple-tooth head, M10 x 60	1 piece
N 91244301	Hexagon-head bolt with hexagon socket head (Duo) M12 x 1.5 x 90	6 pieces
WHT001938	Hexagon nut, self-locking, M14 x 1.5	2 pieces
WHT007646	Eccentric screw, M14 x 1.5 x 105	2 pieces
PAF009123	Eccentric screw, M12 x 1.5	2 pieces
PAF909664	Hexagon collar nut, self-locking, M12 x 1.5	2 pieces
N 10456004	Allen socket countersunk screw, self-locking M6 x 12	1 piece
N 10261307	M10 hexagon nut	2 pieces
For vehicles with the following equipment: Equipment "Basic" (M-No. A8D) or equipment "S" (M-No. A8F)		
PAF004571	Collared cheese head bolt with multiple-tooth head, M14 x 1.5 x 115	2 pieces
or		
For vehicles with the following equipment: Equipment "Basic" (M-No. A8D) or equipment "S" (M-No. A8F)		
PAF004572	Collared cheese head bolt with multiple-tooth head, M14 x 1.5 x 135	2 pieces
Required materials:		
00004330508	Optimoly TA (aluminium paste)	0.04 piece
⇒ Damage number WPN5 066 000 2		

Scope 7:

Replacing air-spring struts on right and left front axle

- Valid for vehicles with **all-wheel drive** and the following equipment: Sports saloon (M-No. K8S)

Labor time:

Replacing air-spring struts on right and left front axle

Labor time: **1041 TU**

Includes: Isolating high-voltage system from power supply/Starting high-voltage system
 Bleed and fill level control
 Measuring front and rear vehicle
 Adjusting vehicle at front and rear
 Calibrating camera for night vision system
 Calibrating front camera
 Adjusting distance measuring sensor control unit

Required parts:

V04015001AJ	Air spring damper (left)	1 piece
V04015001AM	Air spring damper (right)	1 piece
N 10261311	M10 hexagon nut	6 pieces
PAF909664	Hexagon collar nut, self-locking, M12 x 1.5	2 pieces
PAF108544	Oval head bolt with inner multiple-tooth head M12 x 1.5 x 90	2 pieces
9J1407623	Spin washer	1 piece
971407624	Spin washer	1 piece
N 10272302	Hexagon collar nut, self-locking M10	2 pieces
N 0150818	Hexagon collar nut, M12 x 1.5	2 pieces
N 10793603	Hexagon-head bolt, M12 x 60	2 pieces
WHT007021	Hexagon nut, self-locking with washer, M22 x 1.5	2 pieces
PAF102861	Hexagon collar nut, self-locking M10	2 pieces
PAF911085	Collared cheese head bolt with multiple-tooth head, M10 x 60	2 pieces
N 91244301	Hexagon-head bolt with hexagon socket head (Duo) M12 x 1.5 x 90	6 pieces
WHT001938	Hexagon nut, self-locking, M14 x 1.5	2 pieces
WHT007646	Eccentric screw, M14 x 1.5 x 105	2 pieces
PAF009123	Eccentric screw, M12 x 1.5	2 pieces
PAF909664	Hexagon collar nut, self-locking, M12 x 1.5	2 pieces
N 10456004	Allen socket countersunk screw, self-locking M6 x 12	2 pieces
N 10261307	M10 hexagon nut	2 pieces

For vehicles with the following equipment: Equipment "Basic" (M-No. A8D) or equipment "S" (M-No. A8F)

PAF004571	Collared cheese head bolt with multiple-tooth head, M14 x 1.5 x 115	4 pieces
-----------	--	----------

or

For vehicles with the following equipment: Equipment "Basic" (M-No. A8D) or equipment "S" (M-No. A8F)

PAF004572	Collared cheese head bolt with multiple-tooth head, M14 x 1.5 x 135	4 pieces
-----------	--	----------

Required materials:

00004330508	Optimoly TA (aluminium paste)	0.04 piece
-------------	-------------------------------	------------

⇒ Damage number WPN5 066 000 2

Scope 8:

Replacing air-spring struts on right and left front axle

- Valid for vehicles with **all-wheel drive** and the following equipment: Sports saloon (**M-No. K8S**)
- Only for vehicles for which only the **replacement of an air-spring strut is planned**, but **both air-spring struts** have been replaced depending on mileage

Labor time:

Replacing air-spring struts on right and left front axle Labor time: **1041 TU**

Includes: Isolating high-voltage system from power supply/Starting high-voltage system
Bleed and fill level control
Measuring front and rear vehicle
Adjusting vehicle at front and rear
Calibrating camera for night vision system
Calibrating front camera
Adjusting distance measuring sensor control unit

Required parts:

V04015001AJ	Air spring damper (left)	1 piece
V04015001AM	Air spring damper (right)	1 piece
N 10261311	M10 hexagon nut	6 pieces
PAF909664	Hexagon collar nut, self-locking, M12 x 1.5	2 pieces

PAF108544	Oval head bolt with inner multiple-tooth head M12 x 1.5 x 90	2 pieces
9J1407623	Spin washer	1 piece
971407624	Spin washer	1 piece
N 10272302	Hexagon collar nut, self-locking M10	2 pieces
N 0150818	Hexagon collar nut, M12 x 1.5	2 pieces
N 10793603	Hexagon-head bolt, M12 x 60	2 pieces
WHT007021	Hexagon nut, self-locking with washer, M22 x 1.5	2 pieces
PAF102861	Hexagon collar nut, self-locking M10	2 pieces
PAF911085	Collared cheese head bolt with multiple-tooth head, M10 x 60	2 pieces
N 91244301	Hexagon-head bolt with hexagon socket head (Duo) M12 x 1.5 x 90	6 pieces
WHT001938	Hexagon nut, self-locking, M14 x 1.5	2 pieces
WHT007646	Eccentric screw, M14 x 1.5 x 105	2 pieces
PAF009123	Eccentric screw, M12 x 1.5	2 pieces
PAF909664	Hexagon collar nut, self-locking, M12 x 1.5	2 pieces
N 10456004	Allen socket countersunk screw, self-locking M6 x 12	2 pieces
N 10261307	M10 hexagon nut	2 pieces
For vehicles with the following equipment: Equipment "Basic" (M-No. A8D) or equipment "S" (M-No. A8F)		
PAF004571	Collared cheese head bolt with multiple-tooth head, M14 x 1.5 x 115	4 pieces
or		
For vehicles with the following equipment: Equipment "Basic" (M-No. A8D) or equipment "S" (M-No. A8F)		
PAF004572	Collared cheese head bolt with multiple-tooth head, M14 x 1.5 x 135	4 pieces
Required materials:		
00004330508	Optimoly TA (aluminium paste)	0.04 piece
⇒ Damage number WPN5 066 000 2		

Scope 9: **Replacing air suspension strut on left front axle**

- Valid for vehicles with the following equipment: Cross Turismo **(M-No. K8X)**

Labor time:

Replacing air suspension strut on left front axle

Labor time: **868 TU**

Includes: Isolating high-voltage system from power supply/Starting high-voltage system
 Bleed and fill level control
 Measuring front and rear vehicle
 Adjusting vehicle at front and rear
 Calibrating camera for night vision system
 Calibrating front camera
 Adjusting distance measuring sensor control unit

Required parts:

V04015001AN	Air spring damper (left)	1 piece
N 10261311	M10 hexagon nut	3 pieces
PAF909664	Hexagon collar nut, self-locking, M12 x 1.5	3 pieces
PAF108544	Oval head bolt with inner multiple-tooth head M12 x 1.5 x 90	1 piece
9J1407623	Spin washer	1 piece
N 10272302	Hexagon collar nut, self-locking M10	1 piece
N 0150818	Hexagon collar nut, M12 x 1.5	1 piece
N 10793603	Hexagon-head bolt, M12 x 60	1 piece
WHT007021	Hexagon nut, self-locking with washer, M22 x 1.5	1 piece
PAF102861	Hexagon collar nut, self-locking M10	1 piece
PAF911085	Collared cheese head bolt with multiple-tooth head, M10 x 60	1 piece
N 91244301	Hexagon-head bolt with hexagon socket head (Duo) M12 x 1.5 x 90	6 pieces
WHT001938	Hexagon nut, self-locking, M14 x 1.5	2 pieces
WHT007646	Eccentric screw, M14 x 1.5 x 105	2 pieces
PAF009123	Eccentric screw, M12 x 1.5	2 pieces
N 10456004	Allen socket countersunk screw, self-locking M6 x 12	1 piece
N 10261307	M10 hexagon nut	2 pieces

For vehicles with the following equipment: Equipment "Basic" (M-No. A8D) or equipment "S" (M-No. A8F)

PAF004571	Collared cheese head bolt with multiple-tooth head, M14 x 1.5 x 115	2 pieces
-----------	--	----------

or

For vehicles with the following equipment: Equipment "Basic" (M-No. A8D) or equipment "S" (M-No. A8F)

PAF004572	Collared cheese head bolt with multiple-tooth head, M14 x 1.5 x 135	2 pieces
-----------	--	----------

Required materials:

00004330508	Optimoly TA (aluminium paste)	0.04 piece
-------------	-------------------------------	------------

⇒ Damage number WPN5 066 000 2

Scope 10:

Replacing air-spring strut on right front axle

- Valid for vehicles with the following equipment: Cross Turismo (M-No. K8X)

Labor time:

Replacing air-spring strut on right front axle	Labor time: 868 TU
--	---------------------------

Includes: Isolating high-voltage system from power supply/Starting high-voltage system
Bleed and fill level control
Measuring front and rear vehicle
Adjusting vehicle at front and rear
Calibrating camera for night vision system
Calibrating front camera
Adjusting distance measuring sensor control unit

Required parts:

V04015001AP	Air spring damper (right)	1 piece
N 10261311	M10 hexagon nut	3 pieces
PAF909664	Hexagon collar nut, self-locking, M12 x 1.5	3 pieces
PAF108544	Oval head bolt with inner multiple-tooth head M12 x 1.5 x 90	1 piece
971407624	Spin washer	1 piece
N 10272302	Hexagon collar nut, self-locking M10	1 piece
N 0150818	Hexagon collar nut, M12 x 1.5	1 piece
N 10793603	Hexagon-head bolt, M12 x 60	1 piece

WHT007021	Hexagon nut, self-locking with washer, M22 x 1.5	1 piece
PAF102861	Hexagon collar nut, self-locking M10	1 piece
PAF911085	Collared cheese head bolt with multiple-tooth head, M10 x 60	1 piece
N 91244301	Hexagon-head bolt with hexagon socket head (Duo) M12 x 1.5 x 90	6 pieces
WHT001938	Hexagon nut, self-locking, M14 x 1.5	2 pieces
WHT007646	Eccentric screw, M14 x 1.5 x 105	2 pieces
PAF009123	Eccentric screw, M12 x 1.5	2 pieces
N 10456004	Allen socket countersunk screw, self-locking M6 x 12	1 piece
N 10261307	M10 hexagon nut	2 pieces
For vehicles with the following equipment: Equipment "Basic" (M-No. A8D) or equipment "S" (M-No. A8F)		
PAF004571	Collared cheese head bolt with multiple-tooth head, M14 x 1.5 x 115	2 pieces
or		
For vehicles with the following equipment: Equipment "Basic" (M-No. A8D) or equipment "S" (M-No. A8F)		
PAF004572	Collared cheese head bolt with multiple-tooth head, M14 x 1.5 x 135	2 pieces
Required materials:		
00004330508	Optimoly TA (aluminium paste)	0.04 piece
⇒ Damage number WPN5 066 000 2		

Scope 11: **Replacing air-spring struts on right and left front axle**

- Valid for vehicles with the following equipment: Cross Turismo (M-No. K8X)

Labor time:

Replacing air-spring struts on right and left front axle

Labor time: **1041 TU**

Includes: Isolating high-voltage system from power supply/Starting high-voltage system
 Bleed and fill level control
 Measuring front and rear vehicle
 Adjusting vehicle at front and rear
 Calibrating camera for night vision system
 Calibrating front camera
 Adjusting distance measuring sensor control unit

Required parts:

V04015001AN	Air spring damper (left)	1 piece
V04015001AP	Air spring damper (right)	1 piece
N 10261311	M10 hexagon nut	6 pieces
PAF909664	Hexagon collar nut, self-locking, M12 x 1.5	4 pieces
PAF108544	Oval head bolt with inner multiple-tooth head M12 x 1.5 x 90	2 pieces
9J1407623	Spin washer	1 piece
971407624	Spin washer	1 piece
N 10272302	Hexagon collar nut, self-locking M10	2 pieces
N 0150818	Hexagon collar nut, M12 x 1.5	2 pieces
N 10793603	Hexagon-head bolt, M12 x 60	2 pieces
WHT007021	Hexagon nut, self-locking with washer, M22 x 1.5	2 pieces
PAF102861	Hexagon collar nut, self-locking M10	2 pieces
PAF911085	Collared cheese head bolt with multiple-tooth head, M10 x 60	2 pieces
N 91244301	Hexagon-head bolt with hexagon socket head (Duo) M12 x 1.5 x 90	6 pieces
WHT001938	Hexagon nut, self-locking, M14 x 1.5	2 pieces
WHT007646	Eccentric screw, M14 x 1.5 x 105	2 pieces
PAF009123	Eccentric screw, M12 x 1.5	2 pieces
N 10456004	Allen socket countersunk screw, self-locking M6 x 12	2 pieces
N 10261307	M10 hexagon nut	2 pieces

For vehicles with the following equipment: Equipment "Basic" (M-No. A8D) or equipment "S" (M-No. A8F)

PAF004571	Collared cheese head bolt with multiple-tooth head, M14 x 1.5 x 115	4 pieces
-----------	--	----------

or

For vehicles with the following equipment: Equipment "Basic" (M-No. A8D) or equipment "S" (M-No. A8F)

PAF004572	Collared cheese head bolt with multiple-tooth head, M14 x 1.5 x 135	4 pieces
-----------	--	----------

Required materials:

00004330508	Optimoly TA (aluminium paste)	0.04 piece
-------------	-------------------------------	------------

⇒ Damage number WPN5 066 000 2

Scope 12:

Replacing air-spring struts on right and left front axle

- Valid for vehicles with the following equipment: Cross Turismo **(M-No. K8X)**
- Only for vehicles for which only the **replacement of an air-spring strut is planned**, but **both air-spring struts** have been replaced depending on mileage

Labor time:

Replacing air-spring struts on right and left front axle Labor time: **1041 TU**

Includes:

- Isolating high-voltage system from power supply/Starting high-voltage system
- Bleed and fill level control
- Measuring front and rear vehicle
- Adjusting vehicle at front and rear
- Calibrating camera for night vision system
- Calibrating front camera
- Adjusting distance measuring sensor control unit

Required parts:

V04015001AN	Air spring damper (left)	1 piece
V04015001AP	Air spring damper (right)	1 piece
N 10261311	M10 hexagon nut	6 pieces
PAF909664	Hexagon collar nut, self-locking, M12 x 1.5	4 pieces

PAF108544	Oval head bolt with inner multiple-tooth head M12 x 1.5 x 90	2 pieces
9J1407623	Spin washer	1 piece
971407624	Spin washer	1 piece
N 10272302	Hexagon collar nut, self-locking M10	2 pieces
N 0150818	Hexagon collar nut, M12 x 1.5	2 pieces
N 10793603	Hexagon-head bolt, M12 x 60	2 pieces
WHT007021	Hexagon nut, self-locking with washer, M22 x 1.5	2 pieces
PAF102861	Hexagon collar nut, self-locking M10	2 pieces
PAF911085	Collared cheese head bolt with multiple-tooth head, M10 x 60	2 pieces
N 91244301	Hexagon-head bolt with hexagon socket head (Duo) M12 x 1.5 x 90	6 pieces
WHT001938	Hexagon nut, self-locking, M14 x 1.5	2 pieces
WHT007646	Eccentric screw, M14 x 1.5 x 105	2 pieces
PAF009123	Eccentric screw, M12 x 1.5	2 pieces
N 10456004	Allen socket countersunk screw, self-locking M6 x 12	2 pieces
N 10261307	M10 hexagon nut	2 pieces
For vehicles with the following equipment: Equipment "Basic" (M-No. A8D) or equipment "S" (M-No. A8F)		
PAF004571	Collared cheese head bolt with multiple-tooth head, M14 x 1.5 x 115	4 pieces
or		
For vehicles with the following equipment: Equipment "Basic" (M-No. A8D) or equipment "S" (M-No. A8F)		
PAF004572	Collared cheese head bolt with multiple-tooth head, M14 x 1.5 x 135	4 pieces
Required materials:		
00004330508	Optimoly TA (aluminium paste)	0.04 piece
⇒ Damage number WPN5 066 000 2		

Important Notice: Technical Bulletins issued by Porsche Cars North America, Inc. are intended only for use by professional automotive technicians who have attended Porsche service training courses. They are written to inform those technicians of conditions that may occur on some Porsche vehicles, or to provide information that could assist in the proper servicing of a vehicle. Porsche special tools may be necessary in order to perform certain operations identified in these bulletins. Use of tools and procedures other than those Porsche recommends in these bulletins may be detrimental to the safe operation of your vehicle, and may endanger the people working on it. Properly trained Porsche technicians have the equipment, tools, safety instructions, and know-how to do the job properly and safely. Part numbers listed in these bulletins are for reference only. The work procedures updated electronically in the Porsche PIWIS diagnostic and testing device take precedence and, in the event of a discrepancy, the work procedures in the PIWIS Tester are the ones that must be followed.

© 2024 Porsche Cars North America, Inc.