

Service

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WE40 - Checking Spring Struts for Front and Rear Axle and Replacing Them if Necessary (Workshop Campaign)

Model Line: 918 Spyder

Model Year: 2015

Concerns: Spring struts for front and rear axle

Information: This is to inform you of a voluntary Workshop Campaign on the above-mentioned vehicles. **Internal**

quality checks have shown that front-axle and rear-axle spring struts with shock absorbers from a batch in which an O-ring on the shock absorber might be damaged were installed on

some vehicles.

This can result in a loss of pressure in the gas-filled shock absorber over the service life of the vehicle and

can cause rumbling noises when driving on uneven road surfaces.

Action Required:

Check batch number of the spring struts for front and rear axle and replace spring struts if necessary.

Affected Vehicles:

The VIN(s) can be checked by using PIWIS Vehicle Information link to verify if the campaign affects the vehicle. This campaign is scope specific to the VIN! Failure to verify in PIWIS may result in an improper

repair.

This campaign affects four vehicles in North America:

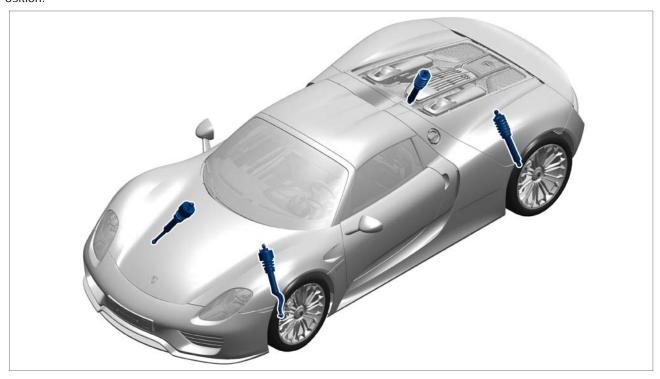
WPOCA2A11FS800039 WPOCA2A10FS800145 WPOCA2A17FS800711 WPOCA2A14FS800911

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Technical Information

Installation Position:



Overview of spring struts

Work See Attachment "A".

Procedure:

Claim See Attachment "B".

Submission:

Checking batch numbers of the spring struts for front and rear axle

Tools: • 9002 - Lifting platform holders

- 9453 Access ramps
- 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.)
- Suitable inspection mirror
- Shop light

Attachment "A": Work Procedure

Raise the vehicle on a lifting platform \Rightarrow Workshop Manual '4X00IN Lifting the vehicle'.

- 1.1 Position the vehicle between the arms of the lifting platform and push it onto the **9453 -** access ramps.
- 1.2 Remove covers on the underbody and fit mounting plates **9002 Lifting platform holders**, ⇒ Workshop Manual '518119 Removing and installing jacking points'.
- 1.3 Jack and raise the vehicle at the mounting plates.



Information

The batch numbers must be checked on **all spring struts** for the **front and rear axle**.

The procedure for checking one spring strut is described below as an example.

The wheels do not have to be removed in order to check the spring struts.

2 Read off and check the batch number of the spring struts for the front and rear axle.

To do this, guide the inspection mirror and hand lamp into the relevant wheel housing through the open area between the wheel and underbody from below as far as the damper foot ⇒ Checking batch numbers
-3- of the front-axle spring struts⇒ Checking batch numbers -1- and rear-axle spring struts⇒ Checking batch numbers -2-.

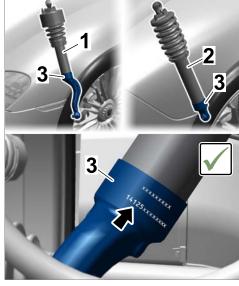


Information

The batch number can be found on the damper foot of the spring struts, close to the threaded joint for the shock absorber pipe.

The **first five digits** of the **bottom line** on the spring strut are important here.

 The batch number ⇒ Checking batch numbers - arrow- of all four spring struts is 14125 or higher ⇒ continue with Step 3.



Checking batch numbers

- If the batch number ⇒ Checking batch numbers -arrow- of one spring strut is lower than 14125, the spring strut in question must be replaced; ⇒ Technical Information 'WE4000 Preliminary work for removing spring struts'.
- If there is no batch number on the spring strut, the spring strut in question must also be replaced ⇒ Technical Information 'WE4000 Preliminary work for replacing spring struts'.
- 3 Lower the vehicle and remove it from the lifting platform ⇒ *Workshop Manual '4X00IN Lifting the vehicle'*.
 - 3.1 Lower the vehicle onto the **9453 access ramps** with the lifting platform.

- Remove mounting plates **9002 Lifting platform holders** and install the covers on the underbody \Rightarrow *Workshop Manual '518119 Removing and installing jacking points'*.
- 4 Enter the workshop campaign in the Warranty and Maintenance booklet ⇒ End of action required.

Preliminary work for replacing spring struts

Tools:

- 9453 Access ramps
- A suitable measuring tool for measuring vehicle height, e.g. 300-mm steel rule

Attachment "A": Work Procedure

- First remove the vehicle from the lifting platform using the **9453 access ramps** and move it onto a measuring platform.
 - Do **not** remove the lifting platform holders on the underbody.
- 2 Measure the vehicle height and wheel loads of all wheels and take note of the values. For information on how to do this, see ⇒ Workshop Manual '449503 Suspension alignment, complete'.
- Raise the vehicle on a lifting platform again \Rightarrow Workshop Manual '4X00IN Lifting the vehicle'.
- Replace the relevant front-axle and/or rear-axle spring struts with a batch number **lower than**14125 or with no batch number.

For information on how to do this, see:

- Replace spring strut for front axle ⇒ Technical Information 'WE4000 Replacing spring strut for front axle'.
- Replace spring strut for rear axle ⇒ Technical Information 'WE4000 Replacing spring strut for rear axle'.

Replacing spring strut for front axle

Parts Info:

NOTE: PARTS WILL NOT BE AUTOMATICALLY ALLOCATED TO YOUR DEALERSHIP. ALL PARTS MUST BE ORDERED VIA A PTEC/PAV.



Information

The parts to be used depend on the vehicle equipment front axle lift system (I-no. 474) and Racetrack package (I-no. 808).

Depending on whether or not this optional equipment is installed and the number of spring struts affected, the **relevant parts** must be used for each vehicle.

• Vehicles with **lift system (I-no. 474)**:

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Part No.	Designation - Location	Qty.
918.343.057.05	⇒ Left spring strut, complete · front axle Vehicles with lift system (I-no. 474)	1 ea.*
and/or		
918.343.058.05	⇒ Right spring strut, complete · front axle Vehicles with lift system (l-no. 474)	1 ea.*

or

• Vehicles without lift system:

Part No.	Designation - Location	Qty.
918.343.057.04	\Rightarrow Left spring strut, complete - front axle	1 ea.*
and/or		
918.343.058.04	\Rightarrow Right spring strut, complete - front axle	1 ea.*

^{*} The spring struts for the front axle depend on the vehicle equipment (with/without lift system, I-no. 474). The relevant left and/or right spring strut must be ordered, depending on the number of spring struts affected.

The following parts will also be required for each spring strut to be replaced:

• Vehicles with **Racetrack package (I-no. 808)**:

Part No.	Designation - Location	Qty.
999.311.606.02	⇒ Fit bolt, M10 x 1.5 x 72– Front-axle spring strut to lower trailing arm	1 ea.
999.311.605.02	⇒ Fit bolt, M10 x 52– Front-axle spring strut to upper mounting saddle	1 ea.
999.084.656.01	⇒ Hexagon nut, M10– Front-axle spring strut mounting	2 ea.

or

Vehicles without Racetrack package:

Part No.	Designation - Location	Qty.
999.311.606.01	\Rightarrow Fit bolt, M10 x 1.5 x 72 – Front-axle spring strut to lower trailing arm	1 ea.
999.311.605.01	\Rightarrow Fit bolt, M10 x 52 – Front-axle spring strut to upper mounting saddle	1 ea.
999.084.656.01	⇒ Hexagon nut, M10– Front-axle spring strut mounting	2 ea.

Tools:

- 9003 Socket wrench for central wheel lock
- 9004 Socket wrench for central wheel lock cover
- Insert for 9647 hook wrench
- · Hook wrench for chassis adjustment
- 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 1331 Torque wrench, 6-50 Nm (4.5-37 ftlb.)
- Torque wrench, 40 200 Nm (30 148 ftlb.), e.g. V.A.G 1332 Torque wrench, 40-200 Nm (30-148 ftlb.)
- VAS 6935 Pole terminal puller
- A suitable measuring tool for measuring height adjustment on the spring strut, e.g. 300-mm steel rule

Also required only for vehicles with **front axle lift system (I-no. 474)**:

• Open-jawed wrench insert or open ring wrench insert (a/f 12) for torque wrench

Attachment "A": Work Procedure

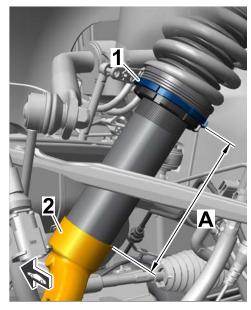
- 1 Remove wiper arm \Rightarrow Workshop Manual '922519 Removing and installing wiper arm'.
- 2 Remove front trim panel ⇒ Workshop Manual '700219 Removing and installing front trim panel'.
- 3 Remove cowl panel cover ⇒ Workshop Manual '664419 Removing and installing cowl panel cover'.

NOTICE

Removing/fitting wheels

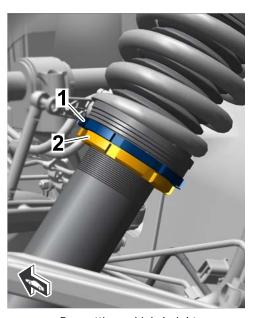
- Risk of damage to (ceramic) brake discs
- ⇒ Carefully guide the wheel towards the wheel hub, thereby preventing any heavy impact on the (ceramic) brake disc.

- 4 Remove wheel on the affected front-axle spring strut *⇒ Workshop Manual '440519 Removing and installing wheel'*.
- 5 Remove affected front-axle spring strut with a batch number lower than 14125 or with no batch number \Rightarrow Workshop Manual '408519 Removing and installing front spring strut'.
- Measure adjustment dimension for the vehicle height on the removed spring strut.
 To do this, use a steel rule as shown in Figure
 ⇒ Measuring vehicle height on spring strut to
 measure the distance between the adjusting nut ⇒
 Measuring vehicle height on spring strut-1- and the
 upper edge on the damper foot ⇒ Measuring vehicle
 height on spring strut-2-.
 Take note of the measured distance ⇒ Measuring
 vehicle height on spring strut-A-.
- Install new spring strut \Rightarrow Workshop Manual '408519 Removing and installing front spring strut'.



Measuring vehicle height on spring strut

- 8 Pre-set the vehicle height on the new spring strut.
 - 8.1 Loosen the lock nut ⇒ Pre-setting vehicle height -2- on the spring strut as required using insert for 9647 hook wrench or a hook wrench.
 - 8.2 Screw the adjusting nut ⇒ Pre-setting vehicle height-1- on the spring strut up or down until the distance between the adjusting nut and the upper edge on the damper foot is the same as the distance measured in Step 6.
 - 8.3 Screw the lock nut ⇒ Pre-setting vehicle height -2- up as far as the adjusting nut ⇒ Pre-setting vehicle height -1-. Do not change the position of the adjusting nut while doing this.
 - 8.4 Tighten the lock nut ⇒ Pre-setting vehicle height -2- using insert for 9647 hook



Pre-setting vehicle height

wrench and a torque wrench. Counter at the adjusting nut ⇒ Pre-setting vehicle height -1-with a hook wrench while doing this.

Tightening torque 20 Nm (15 ftlb.) +5 Nm (+3.5 ftlb.)

- 9 Install cowl panel cover *⇒ Workshop Manual '664419 Removing and installing cowl panel cover'*.
- 10 Install front trim panel \Rightarrow Workshop Manual '700219 Removing and installing front trim panel'.
- 11 Install wiper arm \Rightarrow Workshop Manual '922519 Removing and installing wiper arm'.
- 12 If **spring struts with a batch number lower than 14125** or **with no batch number** are also installed on the **rear axle**, replace these as well.

To do this, continue with ⇒ Technical Information 'WE4000 Replacing spring strut for rear axle'.

If **no rear-axle spring struts** are **affected**, continue with \Rightarrow *Technical Information 'WE4000 Subsequent work'*.

Replacing spring strut for rear axle

Parts Info:

Part No.	Designation - Location	Qty.
918.333.057.03	⇒ Spring strut, complete - rear axle	1 ea.*

^{*} The rear-axle spring struts are identical on the left and right. Either one or two spring struts must be ordered, depending on the number of spring struts affected.

The following parts will also be required for each spring strut to be replaced:

N 106.421.01	⇒ Hexagon-head bolt, M8 x 25	2 ea.
	 Mounting plate for rear-axle spring strut 	
999.084.656.01	⇒ Hexagon nut, M10	2 ea.
	 Rear-axle spring strut mounting 	

Tools:

- 9003 Socket wrench for central wheel lock
- 9004 Socket wrench for central wheel lock cover
- Insert for 9647 hook wrench
- Hook wrench for chassis adjustment
- 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 1331 Torque wrench, 6-50 Nm (4.5-37 ftlb.)

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- Torque wrench, 40 200 Nm (30 148 ftlb.), e.g. V.A.G 1332 Torque wrench, 40-200 Nm (30-148 ftlb.)
- A suitable measuring tool for measuring height adjustment on the spring strut, e.g. 300-mm steel

Attachment "A": Work Procedure

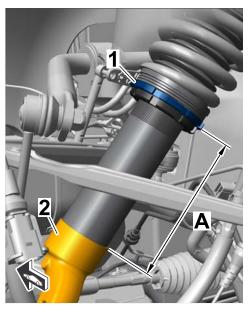


Removing/fitting wheels

- Risk of damage to (ceramic) brake discs
- ⇒ Carefully guide the wheel towards the wheel hub, thereby preventing any heavy impact on the (ceramic) brake disc.
 - 1 Remove wheel on the affected rear-axle spring strut *⇒ Workshop Manual '440519 Removing and installing wheel'*.
 - 2 Remove rear wheel housing liner.
 - 2.1 Remove front part of rear wheel housing liner *⇒ Workshop Manual '53691901 Removing and installing rear wheel housing liner (front part)'*.
 - 2.2 Remove rear part of rear wheel housing liner ⇒ Workshop Manual '53691903 Removing and installing rear wheel housing liner (rear part)'.
 - 3 Affected rear-axle spring strut with a batch number lower than 14125 or with no batch number \Rightarrow Workshop Manual '427119 Removing and installing rear spring strut'.

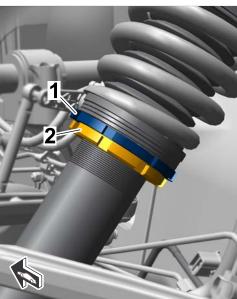
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- 4 Measure adjustment dimension for the vehicle height on the removed spring strut.
 - To do this, use a steel rule as shown in Figure \Rightarrow Measuring vehicle height on spring strut to measure the distance between the adjusting nut \Rightarrow Measuring vehicle height on spring strut-1- and the upper edge on the damper foot \Rightarrow Measuring vehicle height on spring strut-2-.
 - Take note of the measured distance \Rightarrow Measuring vehicle height on spring strut-A-.
- 5 Install new spring strut ⇒ Workshop Manual '427119 Removing and installing rear spring strut'.



Measuring vehicle height on spring strut

- 6 Pre-set the vehicle height on the new spring strut.
 - 6.1 Loosen the lock nut ⇒ Pre-setting vehicle height -2- on the spring strut as required using insert for 9647 hook wrench or a hook wrench.
 - 6.2 Screw the adjusting nut ⇒ Pre-setting vehicle height-1- on the spring strut up or down until the distance between the adjusting nut and the upper edge on the damper foot is the same as the distance measured in Step 4.
 - 6.3 Screw the lock nut ⇒ Pre-setting vehicle height -2- up as far as the adjusting nut ⇒ Pre-setting vehicle height -1-. Do not change the position of the adjusting nut while doing this.
 - Tighten the lock nut ⇒ Pre-setting vehicle
 height -2- using insert for 9647 hook
 wrench and a torque wrench. Counter at the adjusting nut ⇒ Pre-setting vehicle height -1with a hook wrench while doing this.
 Tightening torque 20 Nm (15 ftlb.) +5 Nm (+3.5 ftlb.)
- 7 Install rear wheel housing liner.



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- 7.1 Install rear part of rear wheel housing liner ⇒ Workshop Manual '53691903 Removing and installing rear wheel housing liner (rear part)'.
- 7.2 Install front part of rear wheel housing liner ⇒ Workshop Manual '53691901 Removing and installing rear wheel housing liner (front part)'.

Subsequent work

Tools:

- 9003 Socket wrench for central wheel lock
- 9004 Socket wrench for central wheel lock cover
- VAS 6826 Steering wheel alignment gauge
- Insert for 9647 hook wrench
- Hook wrench for chassis adjustment
- 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, 150 800 Nm (111 592 ftlb.), e.g. V.A.G. 1601 Torque wrench 150-800 Nm (111-592 ftlb.)
- 9818 PIWIS Tester II

Attachment "A": Work Procedure



Removing/fitting wheels

- Risk of damage to (ceramic) brake discs
- ⇒ Carefully guide the wheel towards the wheel hub, thereby preventing any heavy impact on the (ceramic) brake disc.
 - 1 Fit all wheels ⇒ Workshop Manual '440519 Removing and installing wheel'.
 - 2 Lower the vehicle and remove it from the lifting platform ⇒ *Workshop Manual '4X00IN Lifting the vehicle'*.
 - 2.1 Lower the vehicle onto the **9453 access ramps** with the lifting platform.
 - 2.2 Remove mounting plates **9002 Lifting platform holders** and install the covers on the underbody \Rightarrow *Workshop Manual '518119 Removing and installing jacking points'*.
 - 3 Adjust vehicle height and wheel load to the previously determined values.

For instructions on how to do this, see \Rightarrow Workshop Manual '449503 Suspension alignment, complete'

Comply with specifications \Rightarrow Workshop Manual '4X00IN Adjustment values for suspension alignment'

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Technical Information



Information

If the **vehicle height** and the **axle loads** of all four wheels were set to the **previously determined values**, experience has shown that **there is no need** to perform **suspension alignment** or **adjust** the other wheel positions.

- 4 Calibrate PASM height sensors and acceleration sensors using **9818 PIWIS Tester II**. ⇒ Select **PASM** control unit > "Maintenance/repairs" menu >> "Calibration" function
- 5 Enter the workshop campaign in the Warranty and Maintenance booklet.

Attachment "B": Claim Submission - Workshop Campaign WE40

Warranty claims should be submitted via WWS/PQIS.

Open campaigns may be checked by using either the PIWIS Vehicle Information system or through PQIS Job Creation.

Labor, parts, and sublet will be automatically inserted when Technician is selected in WWS/PQIS. If necessary, the required part numbers will need to be manually entered into warranty system by the dealer administrator.

Scope 1: Checking batch numbers of spring struts for front and rear axle – **No spring struts have to be replaced.**

Working time:

Checking batch numbers of spring struts for front and rear axle

Includes: Raising and lowering the vehicle

⇒ Damage code WE40 066 000 1

Scope 2: Checking batch numbers and replacing **one** spring strut for **front axle**.

Working time:

Checking batch numbers and replacing one spring strut for front axle

Includes: Raising and lowering the vehicle

Measuring vehicle height and wheel load Removing and installing front trim panel Removing and installing cowl panel cover

Removing and installing wheel

Removing and installing spring strut for front axle

Adjusting vehicle height and wheel load

Calibrating PASM height sensors and acceleration sensors

Parts required for vehicles with lift system (I-no. 474):

Labor time: 111 TU

Labor time: 324 TU

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918.343.057.05	Left spring strut, complete - front axle for vehicles with lift system (I-no. 474)	1 ea.		
or				
918.343.058.05	Right spring strut, complete - front axle for vehicles with lift system (I-no. 474)	1 ea.		
or				
Parts required for veh	nicles without lift system:			
918.343.057.04	Left spring strut, complete - front axle	1 ea.		
or				
918.343.058.04	Right spring strut, complete - front axle	1 ea.		
Additional parts requ	uired for vehicles with Racetrack package (I-no. 808):			
999.311.606.02	Fit bolt, M10 x 1.5 x 72	1 ea.		
999.311.605.02	Fit bolt, M10 x 52	1 ea.		
999.084.656.01	Hexagon nut, M10	2 ea.		
or				
Additional parts required for vehicles without Racetrack package:				
999.311.606.01	Fit bolt, M10 x 1.5 x 72	1 ea.		
999.311.605.01	Fit bolt, M10 x 52	1 ea.		
999.084.656.01	Hexagon nut, M10	2 ea.		
⇒ Damage code WE40 066 000 2				

Scope 3: Checking batch numbers and replacing **one** spring strut for **rear axle**.

Working time: Checking batch numbers and replacing one spring strut for rear axle Includes: Raising and lowering the vehicle Measuring vehicle height and wheel load Removing and installing wheel Removing and installing front and rear part of rear wheel housing liner Removing and installing spring strut for rear axle Adjusting vehicle height and wheel load

Labor time: 378 TU

Calibrating	PASM height	sensors and	acceleration sensor	S
J	J			

Parts required:

 918.333.057.03
 Spring strut, complete - rear axle
 1 ea.

 N 106.421.01
 Hexagon-head bolt, M8 x 25
 2 ea.

 999.084.656.01
 Hexagon nut, M10
 2 ea.

⇒ Damage code WE40 066 000 2

Scope 4: Checking batch numbers and replacing **both** spring struts for **front axle**.

Wo	rkina	time:
WVO	IKIIIG	unio.

Checking batch numbers and replacing both spring struts for front axle

Includes: Raising and lowering the vehicle

Measuring vehicle height and wheel load Removing and installing front trim panel (2x) Removing and installing cowl panel cover

Removing and installing wheel (2x)

Removing and installing spring strut for front axle (2x)

Adjusting vehicle height and wheel load

Calibrating PASM height sensors and acceleration sensors

Parts required for vehicles with lift system (I-no. 474):

918.343.057.05 Left spring strut, complete - front axle 1 ea.

for vehicles with lift system (I-no. 474)

918.343.058.05 Right spring strut, complete - front axle 1 ea.

for vehicles with lift system (I-no. 474)

or

Parts required for vehicles without lift system:

918.343.057.04 Left spring strut, complete - front axle 1 ea.
918.343.058.04 Right spring strut, complete - front axle 1 ea.

Additional parts required for vehicles with Racetrack package (I-no. 808):

 999.311.606.02
 Fit bolt, M10 x 1.5 x 72
 2 ea.

 999.311.605.02
 Fit bolt, M10 x 52
 2 ea.

 999.084.656.01
 Hexagon nut, M10
 4 ea.

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Labor time: 418 TU

or

Additional parts required for vehicles without Racetrack package:

 999.311.606.01
 Fit bolt, M10 x 1.5 x 72
 2 ea.

 999.311.605.01
 Fit bolt, M10 x 52
 2 ea.

 999.084.656.01
 Hexagon nut, M10
 4 ea.

⇒ Damage code WE40 066 000 2

Scope 5: Checking batch numbers and replacing **both** spring struts for **rear axle**.

Working time:

Checking batch numbers and replacing both spring struts for rear axle

Includes: Raising and lowering the vehicle

Measuring vehicle height and wheel load Removing and installing wheel (2x)

Removing and installing front and rear part of rear wheel

housing liner (2x)

Removing and installing spring strut for rear axle (2x)

Adjusting vehicle height and wheel load

Calibrating PASM height sensors and acceleration sensors

Parts required:

 918.333.057.03
 Spring strut, complete - rear axle
 2 ea.

 N 106.421.01
 Hexagon-head bolt, M8 x 25
 4 ea.

 999.084.656.01
 Hexagon nut, M10
 4 ea.

⇒ Damage code WE40 066 000 2

Scope 6: Checking batch numbers and replacing **one** spring strut for both the **front axle** and **rear axle**.

Working time:

Checking ba	tch numbers and replacing one spring strut for both the front	Labor time: 423 TU
and rear axle		
Includes:	Raising and lowering the vehicle	
	Measuring vehicle height and wheel load	
	Removing and installing front trim panel	

Removing and installing front trim panel Removing and installing cowl panel cover Removing and installing wheel (2x)

Removing and installing front and rear part of rear wheel

housing liner

Removing and installing spring strut for front axle Removing and installing spring strut for rear axle

Adjusting vehicle height and wheel load

Calibrating PASM height sensors and acceleration sensors

Parts required for vehicles with lift system (I-no. 474):

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918.343.057.05	Left spring strut, complete - front axle for vehicles with lift system (I-no. 474)	1 ea.
918.333.057.03	Spring strut, complete - rear axle	1 ea.
or		
918.343.058.05	Right spring strut, complete - front axle for vehicles with lift system (I-no. 474)	1 ea.
918.333.057.03	Spring strut, complete - rear axle	1 ea.
or		
Parts required for veh	icles without lift system:	
918.343.057.04	Left spring strut, complete - front axle	1 ea.
918.333.057.03	Spring strut, complete - rear axle	1 ea.
or		
918.343.058.04	Right spring strut, complete - front axle	1 ea.
918.333.057.03	Spring strut, complete - rear axle	1 ea.

Additional parts required for vehicles **with** Racetrack package (I-no. 808):

999.311.606.02	Fit bolt, M10 x 1.5 x 72	1 ea.
999.311.605.02	Fit bolt, M10 x 52	1 ea.
999.084.656.01	Hexagon nut, M10	4 ea.

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N 106.421.01	Hexagon-head bolt, M8 x 25	2 ea.				
Or Additional parts reg	uired for vehicles without Racetrack package:					
Additional parts req	uneu for verificies without Nacetrack package.					
999.311.606.01	Fit bolt, M10 x 1.5 x 72	1 ea.				
999.311.605.01	Fit bolt, M10 x 52	1 ea.				
999.084.656.01	Hexagon nut, M10	4 ea.				
N 106.421.01	Hexagon-head bolt, M8 x 25	2 ea.				
⇒ Damage code WE	⇒ Damage code WE40 066 000 2					

Scope 7: Checking batch numbers and replacing **both** spring struts for **front axle** and **one** spring strut for **rear axle**.

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vvc	rkind	ı iime:
		,

Checking batch numbers and replacing both spring struts for front axle

and one spring strut for rear axle

Includes: Raising and lowering the vehicle

Measuring vehicle height and wheel load Removing and installing front trim panel (2x) Removing and installing cowl panel cover Removing and installing wheel (3x)

Removing and installing front and rear part of rear wheel

housing liner

Removing and installing spring strut for front axle (2x) Removing and installing spring strut for rear axle

Adjusting vehicle height and wheel load

Calibrating PASM height sensors and acceleration sensors

Parts required for vehicles with lift system (I-no. 474):

918.343.057.05 Left spring strut, complete - front axle 1 ea.

for vehicles with lift system (I-no. 474)

918.343.058.05 Right spring strut, complete - front axle 1 ea.

for vehicles with lift system (I-no. 474)

918.333.057.03 Spring strut, complete - rear axle 1 ea.

or

Parts required for vehicles without lift system:

Labor time: 476 TU

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•							
918.343.057.04	Left spring strut, complete - front axle	1 ea.					
918.343.058.04	Right spring strut, complete - front axle	1 ea.					
918.333.057.03	Spring strut, complete - rear axle	1 ea.					
Additional parts req	juired for vehicles with Racetrack package (l-no. 8	808):					
999.311.606.02	Fit bolt, M10 x 1.5 x 72	2 ea.					
999.311.605.02	Fit bolt, M10 x 52	2 ea.					
999.084.656.01	Hexagon nut, M10	6 ea.					
N 106.421.01	Hexagon-head bolt, M8 x 25	2 ea.					
or							
Additional parts req	uired for vehicles without Racetrack package:						
999.311.606.01	Fit bolt, M10 x 1.5 x 72	2 ea.					
999.311.605.01 Fit bolt, M10 x 52 2 ea.							
999.084.656.01	6 ea.						
N 106.421.01 Hexagon-head bolt, M8 x 25 2 ea.							
⇒ Damage code WI	⇒ Damage code WE40 066 000 2						

Scope 8: Checking batch numbers and replacing **one** spring strut for **front axle** and **both** spring struts for **rear axle**.

Working time:

Checking batch numbers and replacing one spring strut for front axle and

both spring struts for rear axle

Includes: Raising and lowering the vehicle

Measuring vehicle height and wheel load Removing and installing front trim panel Removing and installing cowl panel cover Removing and installing wheel (3x)

Removing and installing front and rear part of rear wheel

housing liner (2x)

Removing and installing spring strut for front axle Removing and installing spring strut for rear axle (2x)

Adjusting vehicle height and wheel load

Calibrating PASM height sensors and acceleration sensors

Labor time: 522 TU

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Parts required for vehicles with lift system (I-no. 474): 918.343.057.05 Left spring strut, complete - front axle 1 ea.						
918.343.057.05	218.343.057.05 Left spring strut, complete - front axle for vehicles with lift system (I-no. 474)					
918.333.057.03	Spring strut, complete - rear axle	2 ea.				
or						
918.343.058.05	Right spring strut, complete - front axle for vehicles with lift system (I-no. 474)	1 ea.				
918.333.057.03	Spring strut, complete - rear axle	2 ea.				
or						
	ehicles without lift system:					
918.343.057.04	Left spring strut, complete - front axle	1 ea.				
918.333.057.03	Spring strut, complete - rear axle	2 ea.				
or	, 3					
918.343.058.04	1 ea.					
918.333.057.03	2 ea.					
Additional parts red	quired for vehicles with Racetrack package (I-no. 8	08):				
999.311.606.02	Fit bolt, M10 x 1.5 x 72	1 ea.				
999.311.605.02	Fit bolt, M10 x 52	1 ea.				
999.084.656.01	Hexagon nut, M10	6 ea.				
N 106.421.01	Hexagon-head bolt, M8 x 25	4 ea.				
or						
Additional parts red	quired for vehicles without Racetrack package:					
999.311.606.01	Fit bolt, M10 x 1.5 x 72	1 ea.				
999.311.605.01	Fit bolt, M10 x 52	1 ea.				
999.084.656.01	Hexagon nut, M10	6 ea.				
N 106.421.01	Hexagon-head bolt, M8 x 25	4 ea.				
⇒ Damage code W	E40 066 000 2					

Scope 9: Checking batch numbers and replacing **both** spring struts for **front axle** and **both** spring struts for **rear axle**.

Labor time: 574 TU

Working time:

Checking batch numbers and replacing both spring struts for front axle

and both spring struts for rear axle

Includes: Raising and lowering the vehicle

Measuring vehicle height and wheel load Removing and installing front trim panel (2x) Removing and installing cowl panel cover Removing and installing wheel (4x)

Removing and installing front and rear part of rear wheel

housing liner (2x)

Removing and installing spring strut for front axle (2x) Removing and installing spring strut for rear axle (2x)

Adjusting vehicle height and wheel load

Calibrating PASM height sensors and acceleration sensors

Parts required for vehicles with lift system (I-no. 474):

918.343.057.05	Left spring strut, complete - front axle for vehicles with lift system (I-no. 474)	1 ea.
918.343.058.05	Right spring strut, complete - front axle for vehicles with lift system (I-no. 474)	1 ea.
918.333.057.03	Spring strut, complete - rear axle	2 ea.

or

Parts required for vehicles without lift system:

918.343.057.04	Left spring strut, complete - front axie	i ea.
918.343.058.04	Right spring strut, complete - front axle	1 ea.
918.333.057.03	Spring strut, complete - rear axle	2 ea.

Additional parts required for vehicles with Racetrack package (I-no. 808):

999.311.606.02	Fit bolt, M10 x 1.5 x 72	2 ea.
999.311.605.02	Fit bolt, M10 x 52	2 ea.
999.084.656.01	Hexagon nut, M10	8 ea.
N 106.421.01	Hexagon-head bolt, M8 x 25	4 ea.

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Additional parts required for vehicles **without** Racetrack package:

999.311.606.01	Fit bolt, M10 x 1.5 x 72	2 ea.
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 999.311.605.01
 Fit bolt, M10 x 52
 2 ea.

 999.084.656.01
 Hexagon nut, M10
 8 ea.

 N 106.421.01
 Hexagon-head bolt, M8 x 25
 4 ea.

⇒ Damage code WE40 066 000 2

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