

AMA6 – Replacing Threaded Connections on Upper Control Arm on Rear Axle (Recall Campaign)

Order Type: **911 Carrera S (992)
911 Carrera 4S (992)**

Model Year: **2020**

Concerns: **Upper control arm to rear axle**

Information: **There is a possibility that the threaded joints on the chassis securing the upper control arm to the rear axle were not tightened to the prescribed tightening torque on the affected vehicles.**

Action required: **Replace threaded connections on upper control arm on rear axle.**



Information

Please note that different screw positions on the rear axle must be replaced on the affected vehicles. The following specific campaign scopes have therefore been defined for replacing the threaded connections. Every vehicle is clearly assigned just one campaign scope.

- Replacing bolts securing **(front) upper control arm to left wheel carrier**

Scope 1: ⇒ *Technical Information 'Scope 1: Screws for upper control arm (front) to left wheel carrier'*

- Replacing bolts securing **(front) upper control arm to right wheel carrier**

Scope 2: ⇒ *Technical Information 'Scope 2: Screws for upper control arm (front) to right wheel carrier'*

- Replacing bolts securing **(front) upper control arm to left rear-axle carrier side section**

Scope 3: ⇒ *Technical Information 'Scope 3: Threaded connection securing (front) upper control arm to left rear-axle carrier side section'*

- Replacing bolts securing **(front) upper control arm to right rear-axle carrier side section**

Scope 4: ⇒ *Technical Information 'Scope 4: Threaded connection securing (front) upper control arm to right rear-axle carrier side section'*

- Replacing bolts securing **(rear) upper control arm to left rear-axle carrier side section**

Scope 5: ⇒ *Technical Information 'Scope 5: Threaded connection securing (rear) upper control arm to left rear-axle carrier side section'*

- Replacing bolts securing **(rear) upper control arm to right rear-axle carrier side section**

Scope 6: ⇒ *Technical Information 'Scope 6: Threaded connection securing (rear) upper control arm to right rear-axle carrier side section'*

Affected vehicles:	Only vehicles assigned to the campaign (see also PCSS Vehicle Information). This campaign affects 7 vehicles.
Order Type:	911 Speedster (991)
Model Year:	2019
Concerns:	Upper control arm to rear axle
Information:	There is a possibility that the threaded joints on the chassis securing the upper control arm to the rear axle were not tightened to the prescribed tightening torque on the affected vehicles.

Action required: **Replace threaded connections on upper control arm on rear axle.**



Information

Please note that different screw positions on the rear axle must be replaced on the affected vehicles. The following specific campaign scopes have therefore been defined for replacing the threaded connections. Every vehicle is clearly assigned just one campaign scope.

Scope 1-6: Only applies to 992 vehicles – see relevant Technical Information for these vehicle types.

- Replacing bolts securing **(front) upper control arm to left wheel carrier**

Scope 7: ⇒ *Technical Information 'Scope 7: Screws for upper control arm (front) to left wheel carrier'*

- Replacing bolts securing **(front) upper control arm to right rear-axle carrier side section**

Scope 8: ⇒ *Technical Information 'Scope 8: Threaded connection securing (front) upper control arm to right rear-axle carrier side section'*

- Replacing bolts securing **(rear) upper control arm to left rear-axle carrier side section**

Scope 9: ⇒ *Technical Information 'Scope 9: Threaded connection securing (rear) upper control arm to left rear-axle carrier side section'*

- Replacing bolts securing **(rear) upper control arm to right rear-axle carrier side section**

Scope 10: ⇒ *Technical Information 'Scope 10: Threaded connection securing (rear) upper control arm to right rear-axle carrier side section'*

Affected Vehicles:	Only vehicles assigned to the campaign (see also PCSS Vehicle Information). This campaign affects 7 vehicles.
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Parts required



Information

Due to the different bolts/screws to be replaced on the upper control arm on the rear axle of each vehicle, the required fastening nuts and bolts are listed accordingly.

⇒ *Technical Information 'Warranty processing'*

Required tools

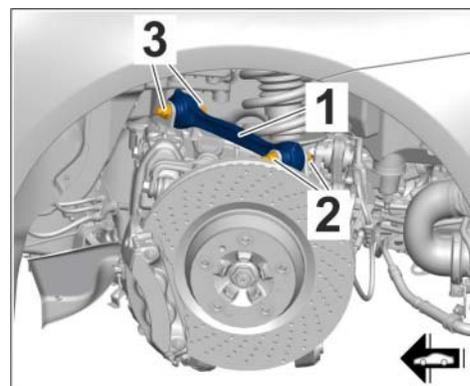
- Tools:
- Torque wrench, 2–10 Nm (1.5–7.5 ftlb.), e.g. **VAG 1783 Torque wrench, 2-10 Nm (1.5-7.5 ftlb.)**
 - Torque wrench, 6–50 Nm (4.5–37 ftlb.), e.g. **VAG 1331A Torque wrench, 6-50 Nm (4.5-37 ftlb.)**
 - Torque wrench, 40–200 Nm (30–148 ftlb.), e.g. **VAG 1332 Torque wrench, 40-200 Nm (30-148 ftlb.)**
 - Electronic torque angle torque wrench, 2-100 Nm (1.5-74 ftlb.), e.g. **9768 - Electronic torque wrench, 2 - 100 Nm (1.5 - 74 ftlb.)**
 - Electronic torque angle torque wrench, 20-400 Nm (15-296 ftlb.), e.g. **VAS 6942 Torque angle torque wrench, 20-400 Nm (15-296 ftlb.)**

All other required (special) tools in accordance with the linked Workshop Manuals depending on the relevant assigned scope.

Scope 1: Screws for upper control arm (front) to left wheel carrier

Work Procedure: 1 On the **left rear axle**, replace the screwed connection for the upper control arm (front) to the wheel carrier.
 For instructions, see: ⇒ *Workshop Manual '42351951 Removing and installing upper control arm (front)'*

- 1.1 Loosen screw connection ⇒ *Mounting for upper control arm (front) -2-* for the upper control arm (front) ⇒ *Mounting for upper control arm (front) -1-* to the wheel carrier, then remove the fastening screw from the upper control arm.
- 1.2 Insert new fastening screw, screw on new fastening nut and tighten only in zero position to avoid straining the bearings.
Initial tightening 70 Nm (52 ftlb.) Final tightening +180°



Mounting for upper control arm (front)

2 Enter the campaign in the Warranty and Maintenance booklet.

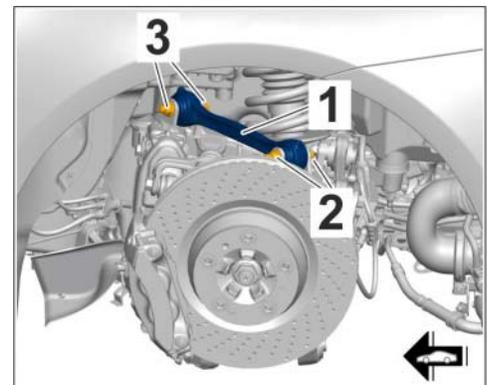
End of action required

For warranty processing, see **General information on warranty processing** and **Scope 1** under ⇒ *Technical Information '42351951 Warranty processing'*.

Scope 2: Screws for upper control arm (front) to right wheel carrier

Work Procedure: 1 On the **right rear axle**, replace the screwed connection for the upper control arm (front) to the wheel carrier.
For instructions, see: ⇒ *Workshop Manual '42351951 Removing and installing upper control arm (front)'*

- 1.1 Loosen screw connection ⇒ *Mounting for upper control arm (front) -2-* for the upper control arm (front) ⇒ *Mounting for upper control arm (front) -1-* to the wheel carrier, then remove the fastening screw from the upper control arm.
- 1.2 Insert new fastening screw, screw on new fastening nut and tighten only in zero position to avoid straining the bearings.
Initial tightening 70 Nm (52 ftlb.) Final tightening +180°



Mounting for upper control arm (front)

- 2 Enter the campaign in the Warranty and Maintenance booklet.

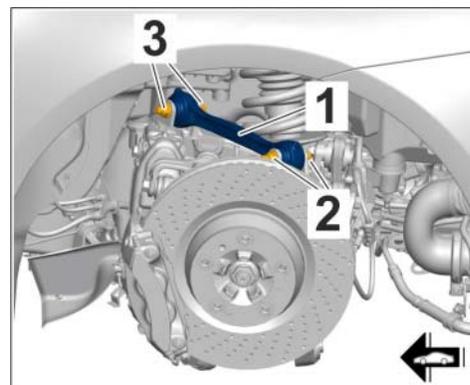
End of action required

For warranty processing, see **General information on warranty processing** and **Scope 2** under ⇒ *Technical Information '42351951 Warranty processing'*.

Scope 3: Threaded connection securing (front) upper control arm to left rear-axle carrier side section

Work Procedure: 1 On the **left rear axle**, replace the screwed connection for the upper control arm (front) to the rear axle carrier side section.
For instructions, see: ⇒ *Workshop Manual '42351951 Removing and installing upper control arm (front)'*

- 1.1 Loosen screw connection ⇒ *Mounting for upper control arm (front)* -3- for the upper control arm (front) ⇒ *Mounting for upper control arm (front)* -1- to the rear axle carrier side section, then remove the fastening screw from the upper control arm.
- 1.2 Insert new fastening screw, screw on new fastening nut and tighten only in zero position to avoid straining the bearings.
Initial tightening 70 Nm (52 ftlb.) Final tightening + 180°



Mounting for upper control arm (front)

- 2 Enter the campaign in the Warranty and Maintenance booklet.

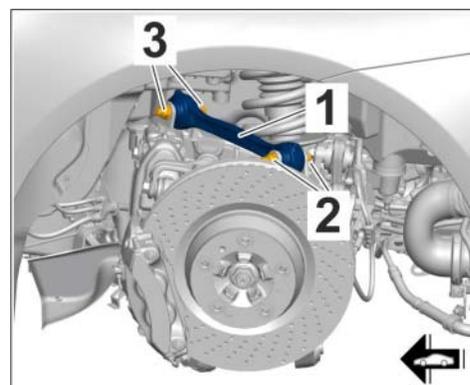
End of action required

For warranty processing, see **General information on warranty processing** and **Scope 3** under ⇒ *Technical Information '42351951 Warranty processing'*.

Scope 4: Threaded connection securing (front) upper control arm to right rear-axle carrier side section

Work Procedure: 1 On the **right rear axle**, replace the screwed connection for the upper control arm (front) to the rear axle carrier side section.
For instructions, see: ⇒ *Workshop Manual '42351951 Removing and installing upper control arm (front)'*

- 1.1 Loosen screw connection ⇒ *Mounting for upper control arm (front)* -3- for the upper control arm (front) ⇒ *Mounting for upper control arm (front)* -1- to the rear axle carrier side section, then remove the fastening screw from the upper control arm.
- 1.2 Insert new fastening screw, screw on new fastening nut and tighten only in zero position to avoid straining the bearings.
Initial tightening 70 Nm (52 ftlb.) Final tightening + 180°



Mounting for upper control arm (front)

- 2 Enter the campaign in the Warranty and Maintenance booklet.

End of action required

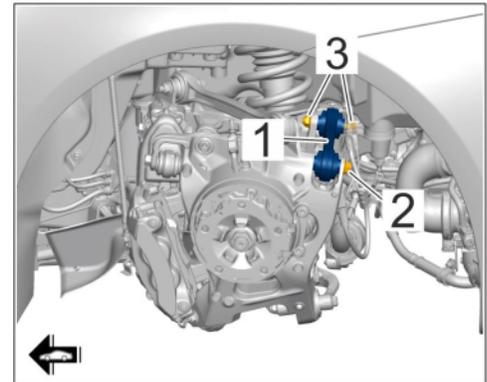
For warranty processing, see **General information on warranty processing** and **Scope 4** under ⇒ *Technical Information '42351951 Warranty processing'*.

Scope 5: Threaded connection securing (rear) upper control arm to left rear-axle carrier side section

Work Procedure: 1 On the **left rear axle**, replace the screwed connection for the upper control arm (rear) to the rear axle carrier side section.
For instructions, see: ⇒ *Workshop Manual '42351953 Removing and installing upper control arm (rear)'*

1.1 Loosen screw connection ⇒ *Upper control arm (rear) -3-* for the upper control arm (rear) ⇒ *Upper control arm (rear) -1-* to the rear axle carrier side section, then remove the fastening screw from the upper control arm.

1.2 Insert new fastening screw, screw on new fastening nut and tighten only in zero position to avoid straining the bearings.
Initial tightening 70 Nm (52 ftlb.) Final tightening + 180°



Upper control arm (rear)

2 Enter the campaign in the Warranty and Maintenance booklet.

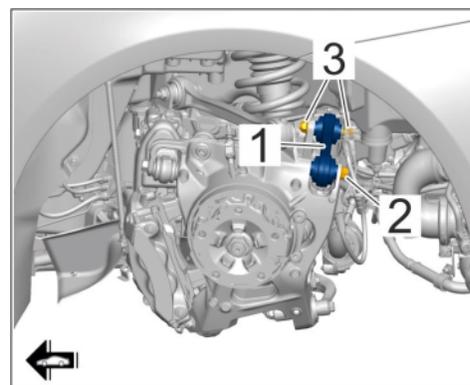
End of action required

For warranty processing, see **General information on warranty processing** and **Scope 5** under ⇒ *Technical Information '42351953 Warranty processing'*.

Scope 6: Threaded connection securing (rear) upper control arm to right rear-axle carrier side section

Work Procedure: 1 On the **right rear axle**, replace the screwed connection for the upper control arm (rear) to the rear axle carrier side section.
For instructions, see: ⇒ *Workshop Manual '42351953 Removing and installing upper control arm (rear)'*

- 1.1 Loosen screw connection ⇒ *Upper control arm (rear)*-3- for the upper control arm (rear) ⇒ *Upper control arm (rear)*-1- to the rear axle carrier side section, then remove the fastening screw from the upper control arm.
- 1.2 Insert new fastening screw, screw on new fastening nut and tighten only in zero position to avoid straining the bearings.
Initial tightening 70 Nm (52 ftlb.) Final tightening +180°



Upper control arm (rear)

- 2 Enter the campaign in the Warranty and Maintenance booklet.

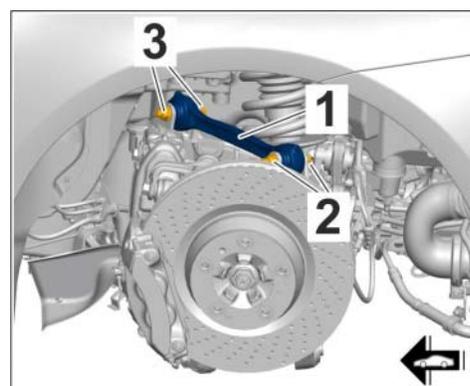
End of action required

For warranty processing, see **General information on warranty processing** and **Scope 6** under ⇒ *Technical Information '42351953 Warranty processing'*.

Scope 7: Screws for upper control arm (front) to left wheel carrier

- Work Procedure: 1 On the **left rear axle**, replace the screwed connection for the upper control arm (front) to the wheel carrier.
For instructions, see: ⇒ *Workshop Manual '42351951 Removing and installing upper control arm (front)'*

- 1.1 Loosen screw connection ⇒ *Mounting for upper control arm (front)*-2- for the upper control arm (front) ⇒ *Mounting for upper control arm (front)*-1- to the wheel carrier, then remove the fastening screw from the upper control arm.
- 1.2 Insert new fastening screw, screw on new fastening nut and tighten only in zero position to avoid straining the bearings.
Initial tightening 90 Nm (67 ftlb.) Final tightening +90°



Mounting for upper control arm (front)

- 2 Enter the campaign in the Warranty and Maintenance booklet.

End of action required

For warranty processing, see **General information on warranty processing** and **Scope 7** under ⇒ *Technical Information '42351951 Warranty processing'*.

Scope 8: Threaded connection securing (front) upper control arm to right rear-axle carrier side section

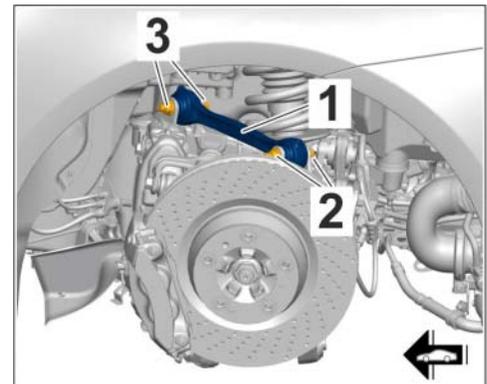
Work Procedure: 1 On the **right rear axle**, replace the screwed connection for the upper control arm (front) to the rear axle carrier side section.

For instructions, see: ⇒ *Workshop Manual '42351951 Removing and installing upper control arm (front)'*

1.1 Loosen screw connection ⇒ *Mounting for upper control arm (front) -3-* for the upper control arm (front) ⇒ *Mounting for upper control arm (front) -1-* to the rear axle carrier side section, then remove the fastening screw from the upper control arm.

1.2 Insert new fastening screw, screw on new fastening nut and tighten only in zero position to avoid straining the bearings.

Initial tightening 90 Nm (67 ftlb.) Final tightening +90°



Mounting for upper control arm (front)

2 Enter the campaign in the Warranty and Maintenance booklet.

End of action required

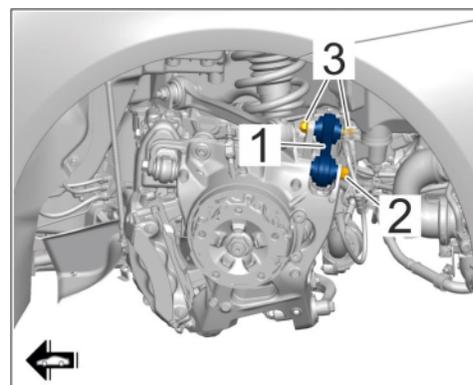
For warranty processing, see **General information on warranty processing** and **Scope 8** under ⇒ *Technical Information '42351951 Warranty processing'*.

Scope 9: Threaded connection securing (rear) upper control arm to left rear-axle carrier side section

Work Procedure: 1 On the **left rear axle**, replace the screwed connection for the upper control arm (rear) to the rear axle carrier side section.

For instructions, see: ⇒ *Workshop Manual '42351953 Removing and installing upper control arm (rear)'*

- 1.1 Loosen screw connection ⇒ *Upper control arm (rear)*-3- for the upper control arm (rear) ⇒ *Upper control arm (rear)*-1- to the rear axle carrier side section, then remove the fastening screw from the upper control arm.
- 1.2 Insert new fastening screw, screw on new fastening nut and tighten only in zero position to avoid straining the bearings.
Initial tightening 90 Nm (67 ftlb.) Final tightening +90°



Upper control arm (rear)

- 2 Enter the campaign in the Warranty and Maintenance booklet.

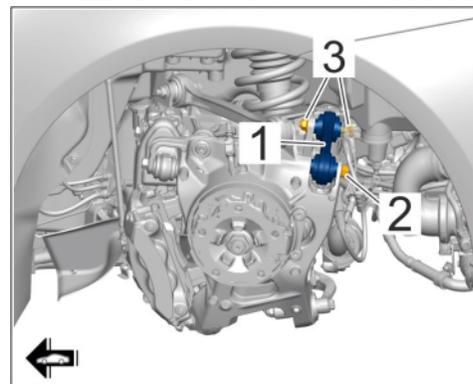
End of action required

For warranty processing, see **General information on warranty processing** and **Scope 9** under ⇒ *Technical Information '42351953 Warranty processing'*.

Scope 10: Threaded connection securing (rear) upper control arm to right rear-axle carrier side section

- Work Procedure: 1 On the **right rear axle**, replace the screwed connection for the upper control arm (rear) to the rear axle carrier side section.
For instructions, see: ⇒ *Workshop Manual '42351953 Removing and installing upper control arm (rear)'*

- 1.1 Loosen screw connection ⇒ *Upper control arm (rear)*-3- for the upper control arm (rear) ⇒ *Upper control arm (rear)*-1- to the rear axle carrier side section, then remove the fastening screw from the upper control arm.
- 1.2 Insert new fastening screw, screw on new fastening nut and tighten only in zero position to avoid straining the bearings.
Initial tightening 90 Nm (67 ftlb.) Final tightening +90°



Upper control arm (rear)

- 2 Enter the campaign in the Warranty and Maintenance booklet.

End of action required

For warranty processing, see **General information on warranty processing** and **Scope 10** under ⇒ *Technical Information '42351953 Warranty processing'*.

Warranty processingScope 1: **Replacing bolts securing (front) upper control arm to left wheel carrier**

Threaded connection of upper control arm (front) at left wheel carrier		Labor time: 42 TU
Includes: Removing and installing rear left wheel		
Required part numbers:	Designation	Qty.
	- Use	
9A700867700	Hexagon-head bolt, M12 x 1.5 x 80 - Upper control arm (rear) to wheel carrier	1 ea.
PAF909664	Hexagon nut, M12 x 1.5 - Upper control arm (rear) to wheel carrier	1 ea.
⇒ Damage Code AMA6 099 000 2		

Scope 2: **Replacing bolts securing (front) upper control arm to right wheel carrier**

Threaded connection of upper control arm (front) to right wheel carrier		Labor time: 42 TU
Includes: Removing and installing rear right wheel		
Required part numbers:	Designation	Qty.
	- Use	
9A700867700	Hexagon-head bolt, M12 x 1.5 x 80 - Upper control arm (rear) to wheel carrier	1 ea.
PAF909664	Hexagon nut, M12 x 1.5 - Upper control arm (rear) to wheel carrier	1 ea.
⇒ Damage Code AMA6 099 000 2		

Scope 3: **Replacing bolts securing (front) upper control arm to left rear-axle carrier side section**

Replacing threaded connection of upper control arm (front) to left rear-axle carrier side section Labor time: **517 TU**

- Includes:
- Removing and installing left and right rear wheels
 - Removing and installing left and right rear axle carriers
 - Removing and installing left and right control arms
 - Removing and installing left and right struts
 - Removing and installing left and right rear cover
 - Removing and installing center cover
 - Measuring vehicle at front and rear
 - Adjusting vehicle at rear

Required part numbers:	Designation – Use	Qty.
WHT008727	Cylinder screw, M10 x 1 x 46.5 – Drive shaft to final drive	6 ea.
PAF008735	Hexagon head bolt, M12 x 1.5 x 95 – Side section to body – Outer rear axle carrier to body	4 ea.
N 90916701	Hexagon nut, M12 x 1.5 – Side section to body	1 ea.
9A700867700	Hexagon-head bolt, M12 x 1.5 x 80 – Upper control arm (front) to side section	1 ea.
PAF909664	Hexagon nut, M12 x 1.5 – Upper control arm (front) to side section	3 ea.
PAF007957	Hexagon nut, M10	2 ea.
or	or	
9A700781900	Hexagon nut, M12 – Actuator/coupling link to suspension/stabilizer	
PAF008673	Hexagon-head bolt M12 x 1.5 x 110 – Inner rear axle carrier to body	2 ea.
WHT008740	Hexagon head bolt, M12 x 1.5 x 40 – Front strut to body	2 ea.
WHT008676	Hexagon-head bolt, M12 x 1.5 x 45 – Rear strut to rear axle carrier	2 ea.
PAF008674	Hexagon flange bolt, M12 x 1.5 x 105 – Lower control arm to rear wheel carrier	2 ea.

⇒ Damage Code AMA6 099 000 2

Scope 4:

Replacing bolts securing (front) upper control arm to right rear-axle carrier side section

Replacing threaded connection of upper control arm (front) to right rear-axle carrier side section

Labor time: **517 TU**

Includes:

- Removing and installing left and right rear wheels
- Removing and installing left and right rear axle carriers
- Removing and installing left and right control arms
- Removing and installing left and right struts
- Removing and installing left and right rear cover
- Removing and installing center cover
- Measuring vehicle at front and rear
- Adjusting vehicle at rear

Required part numbers:	Designation – Use	Qty.
WHT008727	Cylinder screw, M10 x 1 x 46.5 – Drive shaft to final drive	6 ea.
PAF008735	Hexagon head bolt, M12 x 1.5 x 95 – Side section to body – Outer rear axle carrier to body	4 ea.
N 90916701	Hexagon nut, M12 x 1.5 – Side section to body	1 ea.
9A700867700	Hexagon-head bolt, M12 x 1.5 x 80 – Upper control arm (front) to side section	1 ea.
PAF909664	Hexagon nut, M12 x 1.5 – Upper control arm (front) to side section	3 ea.
PAF007957	Hexagon nut, M10	2 ea.
or	or	
9A700781900	Hexagon nut, M12 – Actuator/coupling link to suspension/stabilizer	
PAF008673	Hexagon-head bolt M12 x 1.5 x 110 – Inner rear axle carrier to body	2 ea.
WHT008740	Hexagon head bolt, M12 x 1.5 x 40 – Front strut to body	2 ea.

WHT008676	Hexagon-head bolt, M12 x 1.5 x 45 – Rear strut to rear axle carrier	2 ea.
PAF008674	Hexagon flange bolt, M12 x 1.5 x 105 – Lower control arm to rear wheel carrier	2 ea.
⇒ Damage Code AMA6 099 000 2		

Scope 5: **Replacing bolts securing (rear) upper control arm to left rear-axle carrier side section**

Removing and installing bolts securing upper control arm (rear) to left rear axle carrier side section		Labor time: 75 TU
Includes:	Removing and installing rear left wheel Removing and installing left intake pipe Removing and installing rear left wheel housing liner (rear section)	
Required part numbers:	Designation	Qty.
	– Use	
PAF909664	Hexagon nut, M12 x 1.5 – Upper control arm (rear) to side section	1 ea.
9A700867700	Hexagon-head bolt, M12 x 1.5 x 80 – Upper control arm (rear) to side section	1 ea.
PAF008955	O-ring – Pressure pipe to turbocharger	1 ea.
992129260	Hose clamp – Pressure pipe to turbocharger	1 ea.
⇒ Damage Code AMA6 099 000 2		

Scope 6: **Replacing bolts securing (rear) upper control arm to right rear-axle carrier side section**

Removing and installing bolts securing upper control arm (rear) to right rear axle carrier side section		Labor time: 73 TU
Includes:	Removing and installing rear right wheel Removing and installing right intake pipe Removing and installing rear right wheel housing liner (rear section)	

Required part numbers:	Designation – Use	Qty.
PAF909664	Hexagon nut, M12 x 1.5 – Upper control arm (rear) to side section	1 ea.
9A700867700	Hexagon-head bolt, M12 x 1.5 x 80 – Upper control arm (rear) to side section	1 ea.
PAF008955	O-ring – Pressure pipe to turbocharger	1 ea.
992129260	Hose clamp – Pressure pipe to turbocharger	1 ea.

⇒ Damage Code AMA6 099 000 2

Warranty processing

Scope 1-6: Only applies to 911 Carrera (992) vehicles – see relevant Technical Information for these vehicle types.

Scope 7: **Replacing bolts securing (front) upper control arm to left wheel carrier**

Threaded connection of upper control arm (front) at left wheel carrier Includes: Removing and installing rear left wheel	Labor time: 59 TU
Required part numbers:	Designation – Use
PAF009589	Hexagon-head bolt, M12 x 1.5 x 75 – Upper control arm (front) to wheel carrier
99908444501	Hexagon nut, M12 x 1.5 – Upper control arm (front) to wheel carrier

⇒ Damage Code AMA6 099 000 2

Scope 8: **Replacing bolts securing (front) upper control arm to right rear-axle carrier side section**

Replacing screws for upper control arm (front) to right rear axle carrier side section		Labor time: 340 TU
Includes:	Removing and installing left and right rear wheel Removing and installing rear-axle cross member Removing and installing engine guard Removing and installing left and right struts Removing and installing support plate Removing and installing cover for rear underbody Complete suspension measurement	
Required part numbers:	Designation	Qty.
	– Use	
PAF009589	Hexagon-head bolt, M12 x 1.5 x 75 – Upper control arm (front) to side section	1 ea.
99908444501	Hexagon nut, M12 x 1.5 – Upper control arm (front) to side section – Side section to upper rear axle carrier – Side section on lower rear axle carrier	5 ea.
PAF008735	Hexagon-head bolt M12 x 1.5 x 95 – Side section to body	2 ea.
N 90916701	Hexagon nut, M12 x 1.5 – Side section to body	1 ea.
PAF008673	Hexagon-head bolt M12 x 1.5 x 110 – Inner rear axle carrier to body	2 ea.
9A700867700	Hexagon-head bolt, M12 x 1.5 x 80 – Lower side section to rear axle carrier	2 ea.
99907285901	Hexagon-head bolt, M12 x 1.5 x 58 – Upper side section to rear axle carrier	2 ea.
WHT008740	Hexagon head bolt, M12 x 1.5 x 40 – Front strut to body	2 ea.
WHT008676	Hexagon-head bolt, M12 x 1.5 x 45 – Rear strut to rear axle carrier	2 ea.
⇒ Damage Code AMA6 099 000 2		

Scope 9: **Replacing bolts securing (rear) upper control arm to left rear-axle carrier side section**

Replacing bolts securing upper control arm (rear) to left rear axle carrier side section		Labor time: 59 TU
Includes: Removing and installing rear left wheel		
Required part numbers:	Designation	Qty.
	– Use	
99908444501	Hexagon nut, M12 x 1.5 – Upper control arm (rear) to side section	1 ea.
PAF008735	Hexagon-head bolt, M12 x 1.5 x 95 – Upper control arm (rear) to side section	1 ea.
⇒ Damage Code AMA6 099 000 2		

Scope 10: **Replacing bolts securing (rear) upper control arm to right rear-axle carrier side section**

Replacing bolts securing upper control arm (rear) to right rear axle carrier side section		Labor time: 59 TU
Includes: Removing and installing rear right wheel		
Required part numbers:	Designation	Qty.
	– Use	
99908444501	Hexagon nut, M12 x 1.5 – Upper control arm (rear) to side section	1 ea.
PAF008735	Hexagon-head bolt, M12 x 1.5 x 95 – Upper control arm (rear) to side section	1 ea.
⇒ Damage Code AMA6 099 000 2		

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