

Creaking Noise from the Front End of the Vehicle (SY 63/26)

Vehicle Type: **911 GT3 (992)/911 GT3 with Touring Package (992)/911 GT3 RS (992)/911 S/T (992)**

Model Year: **from 2021 to 2026**

Concerns: **Upper trailing arm**

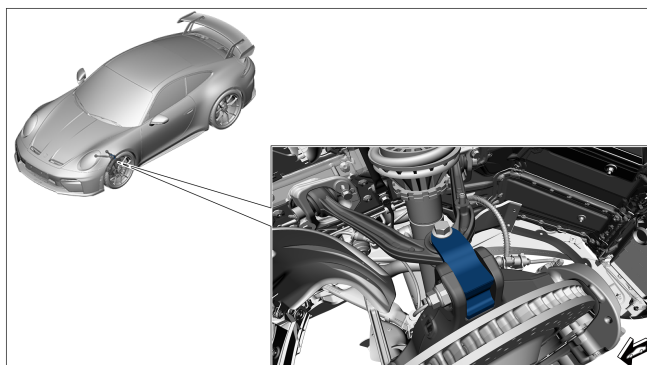
Symptom: **The customer complains about creaking noises from the front end of the vehicle.**

Reason: In rare cases, dirt on the contact surfaces between the camber console of the upper trailing arm and the mounting of the wheel bearing housing can cause a creaking noise.

Remedial Action: If the customer complaint can be clearly limited to the area of the camber console connection point (top of axle control arm) for mounting the wheel bearing housing, clean the contact surfaces of the camber console and wheel bearing housing on the affected side of the vehicle.

Replacing upper trailing arms is not required for this complaint.

Installation Position:



Installation position of camber console for upper trailing arm

Required parts

Parts:

Part no.	Designation – Location	Quantity
PAF909664	> 1 piece(s) hexagon collar nut_self-locking_(M12_x_1.5) PAF909664 – eccentric screw connection	1 piece per vehicle side

Required tools:

Tools:

- > VAS 6931A - Transmission and engine jack
- > 9794 - Assembly aid
- > 9796 - Socket wrench
- > V.A.G 1332A – Torque wrench 40-200 Nm (30-148 ft lb)

- > [V.A.G 1601 – Torque wrench 150-800 Nm \(111 - 592 ft lb\)](#)
- > [VAS 6266A - Wheel fitting trolley](#)

Cleaning contact surfaces of the camber console and wheel bearing housing

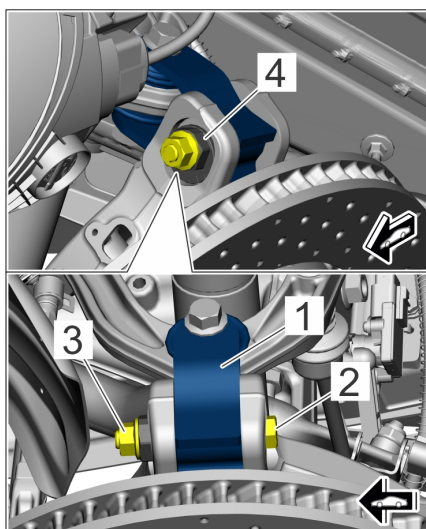
Work Procedure:



Information

The procedure is described using the left side of the vehicle as an example and is almost identical on the other side.

- 1 Remove the front left wheel.
440519A3 Removing and installing wheel with central bolt
- 2 Remove brake air guide at the top of the wheel housing and at the bottom of the wheel bearing housing.
Work procedure see: **46161901 Removing and installing (front) brake-disc air guide**
- 3 Support wheel bearing housing using > [VAS 6931A Transmission and engine jack](#).
Place a wooden block or similar item underneath to prevent damage.
- 4 Loosen eccentric threaded joint for trailing arm mounting -1- on the wheel bearing housing.



Eccentric threaded joint (camber adjustment)
for front upper trailing arm mounting

- 4.1 Mark the position of the eccentric screw -2- and eccentric washer -4- with respect to the wheel bearing housing **using a colored pen**.
- 4.2 Unscrew nut -3- and counter-hold the eccentric screw -2-.
- 4.3 Pull off eccentric screw -2- and eccentric washer -4-.

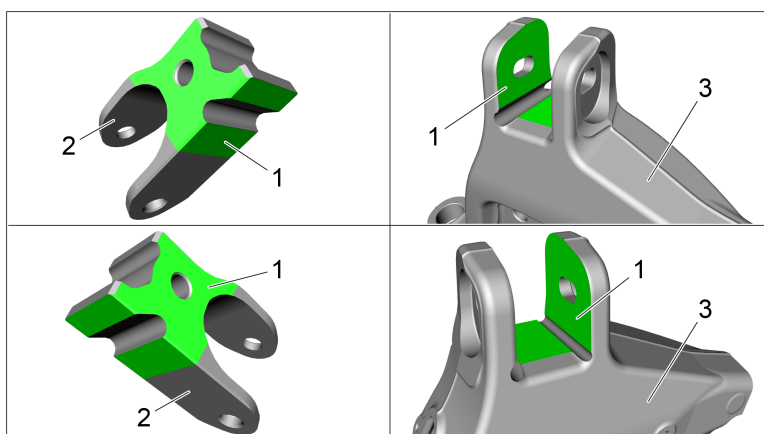
- 5 Slowly lower the **wheel bearing housing** using [VAS 6931 - Transmission and engine jack](#) until the spring strut is relieved and the camber console can be detached from the mounting of the wheel bearing housing.



Information

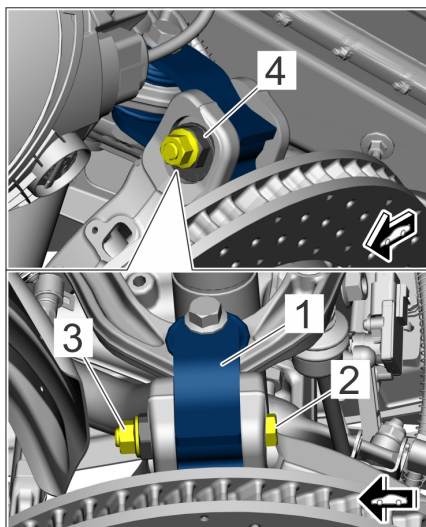
Neither the control arm nor the camber console needs to be removed for cleaning the contact surfaces.

- 6 Clean contact surfaces -1- of the camber console -2- and the wheel bearing housing -3-.



— Contact surfaces on camber console and wheel bearing housing

- 6.1** Clean contact surfaces -1- using a brass brush until all dirt particles are removed.
- 6.2** Spray microfiber cloth with brake cleaner and use it to rub previously cleaned contact surfaces -1-.
- 7** Position trailing arm in the mounting of the wheel bearing housing and fit eccentric threaded joint.
- 8** Support the wheel bearing housing with [VAS 6931 - Transmission and engine jack](#). Place a wooden block or similar item underneath to prevent damage.
- 9** Lift wheel bearing housing in zero position (lower trailing arm should be horizontal).
- 10** Fasten upper trailing arm to the wheel bearing housing -1-.



Eccentric threaded joint (camber adjustment)
for front upper trailing arm mounting

10.1 Align eccentric screw -2- according to the colored marking.

10.2 Tighten lock nut -3- on eccentric threaded joint and counterhold the eccentric screw -2-.

➤ Tightening torque 100 Nm (73.8 ft lb)

11 Slowly lower the **wheel bearing housing** using ➤ VAS 6931 - Transmission and engine jack until the spring strut is relieved.

12 Remove transmission jack.

13 Install brake disc air guide in the wheel housing and at the bottom of the wheel bearing housing.
Work procedure see: **46161901 Removing and installing (front) brake-disc air guide**

14 Install the front left wheel.

440519A3 Removing and installing wheel with central bolt

15 **Only if the noise complaint occurs on both sides of the vehicle:**

Repeat steps 1 to 14 on the other side of the vehicle.

16 Check the customer complaint again.

Assessment	Action
(?) Customer complaint no longer exists	End of action.
(?) Customer complaint still exists.	Replace camber consoles on the affected upper trailing arm. Continue with: Replace camber consoles on the affected upper trailing arm.

Replace camber consoles on the affected upper trailing arm

Parts:

Part no.	Designation Location	Quantity
9GT407059A	> <u>2 piece(s) console</u> <u>9GT407059A</u> - upper trailing arm	1 piece per vehicle side
N 10628601	> <u>1 piece(s) hexagon-head</u> <u>bolt (M12 x 1.5 x 75) N</u> <u>10628601</u> - console on upper trailing arm	1 piece per vehicle side
N 0150816	> <u>1 piece(s) hexagon nut</u> <u>(M12) N 0150816</u> - console on upper trailing arm	1 piece per vehicle side
PAF909664	> <u>1 piece(s) hexagon collar</u> <u>nut, self-locking (M12 x 1.5)</u> <u>PAF909664</u> - eccentric screw connection	1 piece per vehicle side

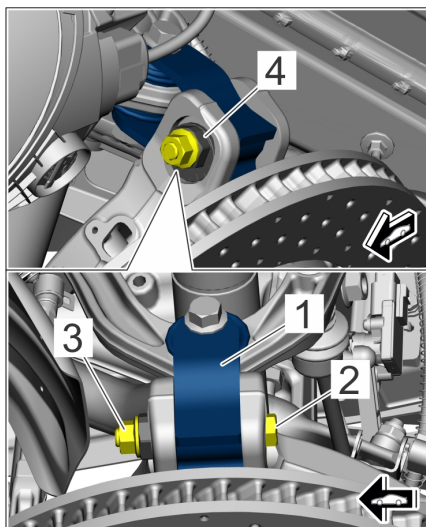
Work Procedure:



Information

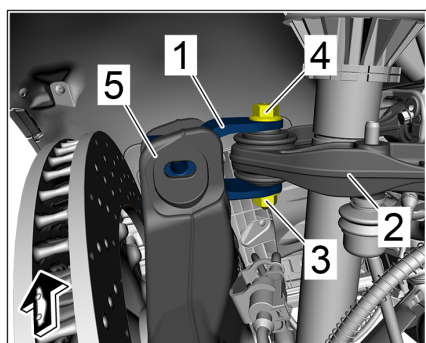
The procedure is described using the left side of the vehicle as an example and is almost identical on the other side.

- 1 Remove the front left wheel.
440519A3 Removing and installing wheel with central bolt
- 2 Remove brake air guide at the top of the wheel housing and at the bottom of the wheel bearing housing.
Work procedure see: **46161901 Removing and installing (front) brake-disc air guide**
- 3 Support wheel bearing housing using > VAS 6931A Transmission and engine jack.
Place a wooden block or similar item underneath to prevent damage.
- 4 Loosen eccentric threaded joint for trailing arm mounting -1- on the wheel bearing housing.



Eccentric threaded joint (camber adjustment)
for front upper trailing arm mounting

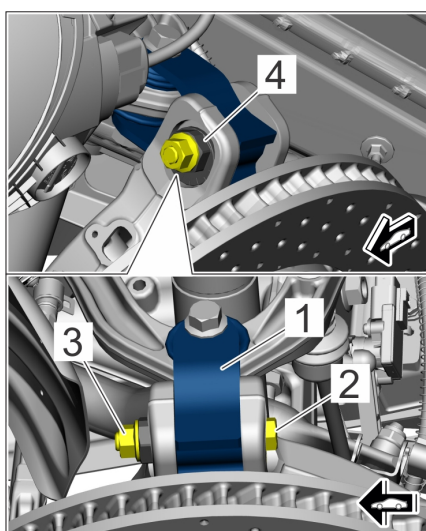
- 4.1 Mark the position of the eccentric screw -2- and eccentric washer -4- with respect to the wheel bearing housing **using a colored pen**.
- 4.2 Unscrew nut -3- and counter-hold the eccentric screw -2-.
- 4.3 Pull off eccentric screw -2- and eccentric washer -4-.
- 5 Slowly lower the **wheel bearing housing** using [VAS 6931 - Transmission and gearbox jack](#) until the spring strut is relieved and the camber console detaches from the mounting of the wheel bearing housing.
- 6 Replace camber console -1-.



Camber console for upper trailing arm

- 6.1 Unscrew nut -3-, counterhold screw -4-.
- 6.2 Remove screw -4-.
- 6.3 Remove camber console -1- from upper trailing arm -2-.
- 6.4 Install **new** camber console -1- on upper trailing arm -2- and insert **new** screw -4-.

- 6.5** Position **new** camber console in such a -1- way that it can -5- slide into the wheel bearing housing mounting without tension.
- 6.6** Fit **new** nut -3- and tighten to
- 1. Stufe Tightening torque 40 Nm (29.5 ft lb)
 - 2. Stufe Rotation angle +90°
- 7** Position trailing arm in the mounting of the wheel bearing housing and fit eccentric threaded joint.
- 8** Support the wheel bearing housing with ➤ VAS 6931 - Transmission and engine jack.
Place a wooden block or similar item underneath to prevent damage.
- 9** Lift wheel bearing housing in zero position (lower trailing arm should be horizontal).
- 10** Fasten upper trailing arm to the wheel bearing housing -1-.



Eccentric threaded joint (camber adjustment)
for front upper trailing arm mounting

- 10.1** Align eccentric screw -2- according to the colored marking.
- 10.2** Tighten lock nut -3- on eccentric threaded joint and counterhold the eccentric screw -2-.
- Tightening torque 100 Nm (73.8 ft lb)
- 11** Slowly lower the **wheel bearing housing** using ➤ VAS 6931 - Transmission and engine jack until the spring strut is relieved.
- 12** Remove transmission jack.
- 13** Install brake disc air guide in the wheel housing and at the bottom of the wheel bearing housing.
Work procedure see: **46161901 Removing and installing (front) brake-disc air guide**
- 14** Install the front left wheel.
440519A3 Removing and installing wheel with central bolt
- 15** **Only if the noise complaint occurs on both sides of the vehicle:**
Repeat steps 1 to 14 on the other side of the vehicle.

16 Measure vehicle dimensions.

449503A1 Measuring the vehicle at the front and rear

Labor position and PCSS encryption

Labor position:

Upper left trailing arm - rework (left)
 Upper right trailing arm - rework (right)
 Upper trailing arm - rework (left and right)
 Replace camber console (left)
 Replace camber console (right)
 Replace camber console (left and right)

PCSS encryption:

40150 Upper trailing arm
 2017 squeaking, creaking

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