

**WF20 - Tightening Threaded Connections on Pressure Pipe for Front Axle Lift System (Workshop Campaign)**

Vehicle Type: **911 GT3 (991)**

Model Year: **As of 2014 up to 2015**

Equipment: Front axle lift system (I-no. 474)

Concerns: **Pressure pipe for lift system on front axle**

Information: This is to inform you of a voluntary Workshop Campaign on the above-mentioned vehicles. **There is a possibility that the threaded connections on the pressure pipe for the electropneumatic lift system on the front axle were not tightened to the prescribed tightening torque on the affected vehicles.**

If this is the case, the compressed air required for the lift system can escape at the threaded connections. As a result, it will no longer be possible to lift the body at the front axle, e.g. for driving over speed bumps, and the error message "Lift system fault" will be displayed in the instrument cluster.

Action Required: Tighten threaded connections on pressure pipe for front axle lift system.

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 1,021 vehicles in North America.

Materials: **Required materials** (usually already available in the Porsche dealership):

Part No.	Designation - Use	Qty.
000.043.020.00	⇒ Optimoly TA assembly grease - For greasing central wheel bolts	100g tube As much as required (approx. 5 grams required per vehicle)

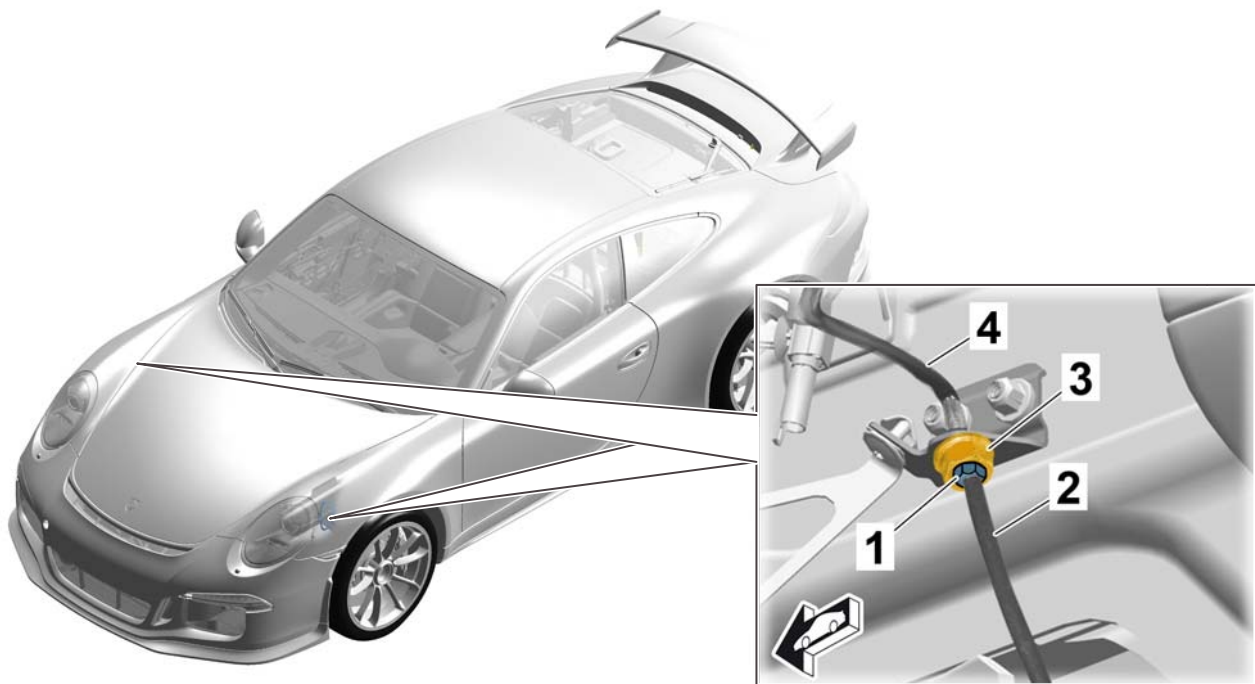
- Tools:
- Torque wrench, 2 – 10 Nm (1.5 – 7.5 ftlb.), e.g. **V.A.G 1783 - Torque wrench, 2-10 Nm (1.5-7.5 ftlb.)**
  - Torque wrench, 150 – 800 Nm (111 – 592 ftlb.), e.g. **V.A.G 1601 - Torque wrench, 150 - 800 Nm (111 - 592 ftlb.)**
  - **9794 - Assembly aid**
  - **9796 - Socket wrench**

- **9453 - Access ramps** (only if required, depending on the type of lifting platform used)
- Open-end insert, a/f 10 or flared ring socket insert, a/f 10
- Open-ended wrench, a/f 19

Work Procedure: See Attachment "A".

Claim Submission: See Attachment "B".

Installation Position:



*Installation position overview*

- 1 – Union nut (**tighten**)
- 2 – Rear pressure pipe (from Lift function module to connection point in wheel housing)
- 3 – Fastening nut on pressure pipe
- 4 – Front pressure pipe (from connection point in wheel housing to front spring strut)

Attachment "A": **Work Procedure**

- 1 Raise the vehicle on a lifting platform ⇒ *Workshop Manual '4X00IN Lifting the vehicle'*.
- 2 Remove both front wheels ⇒ *Workshop Manual '440519 Removing and installing wheel with central bolt'*.

3 Tighten threaded connection on pressure pipe for lift system in the front **left** wheel housing.

3.1 Turn the steering fully to the right.



**Information**

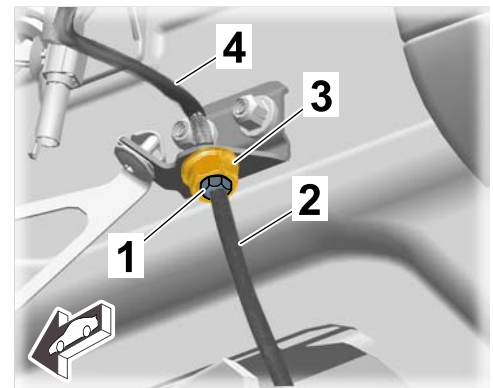
The pressure pipe for the lift system on the front axle must not be twisted when tightening the threaded connection.

Loosen the threaded connection again if necessary and then tighten it to the prescribed tightening torque again.

3.2 Tighten union nut ⇒ *Tightening threaded connection -1-* on the rear pressure pipe ⇒ *Tightening threaded connection -2-* using a torque wrench and an open-end socket insert (a/f 10).

Counter at the fastening nut ⇒ *Tightening threaded connection -3-* on the front pressure pipe ⇒ *Tightening threaded connection -4-* using an open-ended wrench (a/f 19).

**Tightening torque 5 Nm (3.5 ftlb.)  
+1.5 Nm (+1 ftlb.)**



*Tightening threaded connection*

4 Tighten threaded connection on pressure pipe for lift system at the front **right**.

4.1 Turn the steering fully to the left.

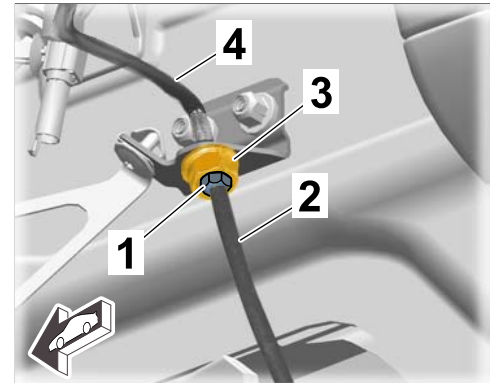


**Information**

The pressure pipe for the lift system on the front axle must not be twisted when tightening the threaded connection.

Loosen the threaded connection again if necessary and then tighten it to the prescribed tightening torque again.

- 4.2 Tighten union nut ⇒ *Tightening threaded connection -1-* on the rear pressure pipe ⇒ *Tightening threaded connection -2-* using a torque wrench and an open-end socket insert (a/f 10).  
Counter at the fastening nut ⇒ *Tightening threaded connection -3-* on the front pressure pipe ⇒ *Tightening threaded connection -4-* using an open-ended wrench (a/f 19).  
**Tightening torque 5 Nm (3.5 ftlb.)  
+ 1.5 Nm (+1 ftlb.)**



*Tightening threaded connection*

- 5 Install both front wheels ⇒ *Workshop Manual '440519 Removing and installing wheel with central bolt'*.
- 6 Remove the vehicle from the lifting platform.
- 7 Enter the workshop campaign in the Warranty and Maintenance booklet.

Attachment "B": **Claim Submission** - Workshop Campaign WF20  
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.

**Working time:**

Tightening threaded connections on pressure pipe for lift system

Labor time: **68 TU**

Includes: Raising and lowering the vehicle  
Removing and installing both front wheels

**Materials required:**

000.043.020.00	Optimoly TA assembly grease (100g tube)	0.05 ea. (= approx. 5 g)
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⇒ Damage code WF20 066 000 1

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