

Complaint – Warning Message "Lift System Fault – Service Necessary" Appears in Instrument Cluster: Observe Specified Procedure (40/21)

Model Line: **911 Carrera (992)**

Model Year: **As of 2020**

Equipment: **Front-axle lift function (M-no. 2UH)**

Concerns: **Front-axle lift function**

Information: The white warning message 'Lift system fault – Service necessary' appears in the instrument cluster and the entry '000302 – Measuring vehicle height fault' can be stored in the fault memory of the front-axle lift system control unit. This fault type can occur if the vehicle was parked with the body front section raised.



Information

Always park the vehicle at the lowered position, as the upper holding position cannot be guaranteed over a long period of time with the engine stopped depending on the system. Further information on the front-axle lift system can be found in the relevant section of the Owner's Manual.

Action required: If both error messages are displayed, perform ride height measurement and check.

Required tools

- Tools:
- Battery charger with a current rating of **at least 90 A** and, if required, **also with a current and voltage-controlled charge map** for lithium starter batteries, e.g. **VAS 5908 battery charger, 90A**



Information

The 911 (992) may be equipped with a **lithium-ion 12V battery** (I-no. J2A).

Lithium starter batteries must only be charged using a **suitable battery charger** that has a current and voltage-controlled charge map.

For further information about the battery chargers to be used, see ⇒ *Workshop Manual '270689 Charging battery/vehicle electrical system'*.

Ride height measurement and check

Work Procedure: 1 Perform ride height measurement.

1.1 Raise the body front section.

1.1.1 Start the engine.

1.1.2 Press the button for the lift system in the center console.

1.1.3 Wait until the indicator light on the button lights up continuously red.
A message briefly appears in the instrument cluster indicating that the body front section is raised.

1.1.4 Stop the engine.

**Information**

The measurement is described and shown for one side as an example. The measurement on the other side is almost identical.

1.2 Determine the ride height at the front left ⇒ *Ride height measurement, front left -Z-*.

1.2.1 Apply adhesive strips (e.g. adhesive tape) ⇒ *Ride height measurement, front left -1-* to the wing.

1.2.2 Align the measurement tool ⇒ *Ride height measurement, front left -2-* vertically and mark the measuring point ⇒ *Ride height measurement, front left -3-*.

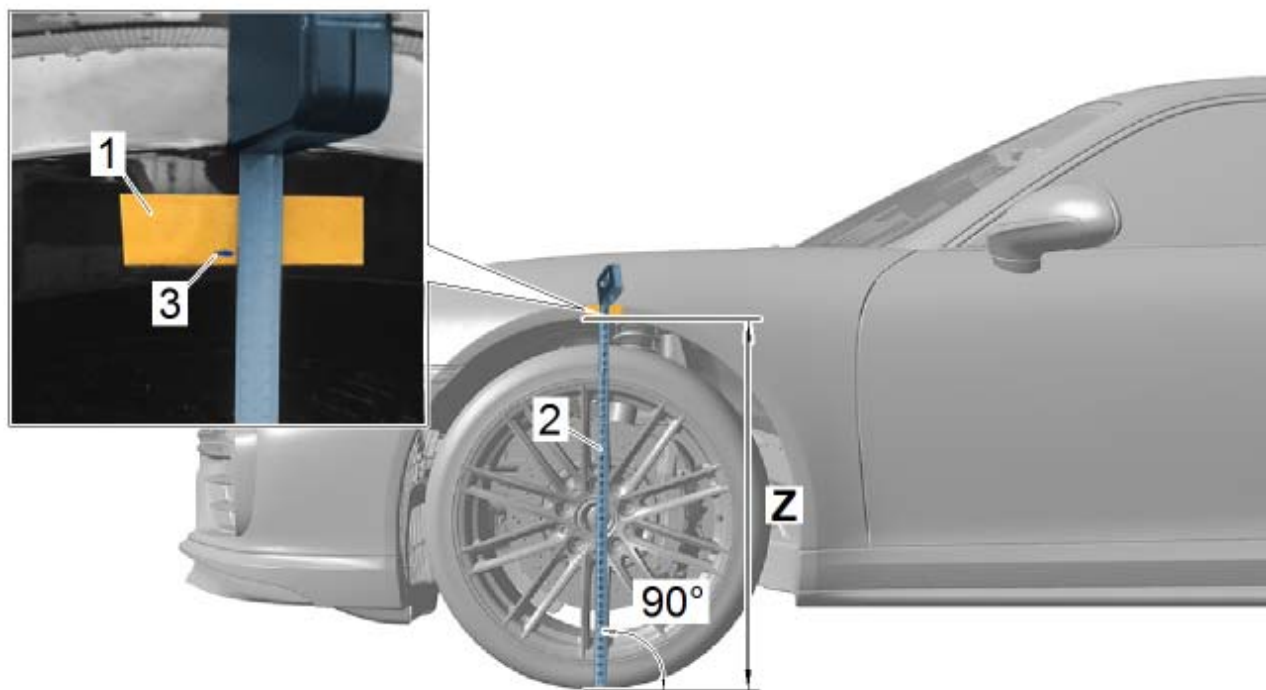
1.2.3 Carefully measure the ride height and write it down.

1.2.4 Repeat the procedure for the right side.

1.3 **Observe an idle period of three hours.**

1.4 Repeat the measurements, write them down and compare values:

	Assessment	Action required
(✓)	The ride height at the left or right has dropped by less than 10 mm (0.4 inch).	Please inform the customer that the vehicle must only be parked with the front body section lowered. Further information can be found in the 'Front-axle lift system' section of the Owner's Manual. There is not necessarily a technical fault if the fault type occurs again. The error message can be corrected by repeated raising and lowering of the lift system.
(✗)	The ride height at the left or right has dropped by more than 10 mm (0.4 inch).	Replace compressor for front-axle lift system, see ⇒ <i>Workshop Manual '431519 Removing and installing compressor (front-axle lift system)'</i> .



Ride height measurement, front left

Required parts and materials as required

Parts Info:	Part No.	Designation	Qty.
	9P1412257G	- Use ⇒ Pump unit including pressure line	1 ea.
	WHT008676	- Front-axle lift system ⇒ Hexagon-head bolt, M12 x 1.5 x 45 - Right diagonal brace	2 ea.

Additional parts required (M-no. 1X1):

Part No.	Designation	Qty.
PAF107190	- Use ⇒ Collared cheese head bolt with hexagon socket head - Front drive shaft	12 ea.
PAF008660	⇒ Hexagon nut, M10 - Front transmission support	2 ea.

N 10629602	⇒ Hexagon flange bolt, M10 x 35 – Rear final drive bracket	4 ea.
992521225	⇒ Boot – Cardan shaft	1 ea.
PAF909910	⇒ Cheese head bolt with multiple-tooth head, M10 x 23 (M-no. G1L) – Cardan shaft or	3 ea.
PAF909910	⇒ Cheese head bolt with multiple-tooth head, M8 x 16 (M-no. G1G) – Cardan shaft	4 ea.

Materials: **Required materials** (usually already available at the Porsche dealer):

Part No.	Designation – Use	Qty.
PAF052735	⇒ Lubricating grease – Front cardan shaft	20-gram tube ¹⁾

¹⁾ approx. 2 grams required per vehicle

Invoicing

Invoicing: For documentation and warranty invoicing, enter the labor operations, PQIS coding and, if required, relevant part numbers specified below in the warranty claim:

APOS	Labor operation	I No.
43010149	Checking levelling system	
43151950	Removing and installing compressor for levelling system	

PQIS coding:

Location (FES5)	43810	Air-lift pump control unit
Damage type (SA4)	9833	Cannot establish cause, re-coded

References: ⇒ *Workshop Manual '431519 Removing and installing compressor (front-axle lift system)'*

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