

AFO4 - Performing Wheel Alignment on Front and Rear Axle and Tightening Threaded Joints on the Chassis to the Correct Tightening Torque (Stop Sale Campaign/Recall campaign)

Vehicle Type: **Cayenne (92A)/Cayenne S E-Hybrid (92A)
Cayenne S (92A)/Cayenne Diesel (92A)**

Model Year: **As of 2015 up to 2016**

Concerns: **Suspension alignment**

Information: **Due to a manufacturing problem, there is a possibility that the wheel alignment on the front and rear axle was not carried out correctly and the threaded connections on all toe, camber and caster threaded joints were not tightened to the specified tightening torque on the affected vehicles.**

Action Required: Perform suspension alignment and adjust the vehicle if necessary.

In particular, tighten the threaded connections on all toe, camber and caster joints to the specified tightening torques.

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 only two vehicles in North America:

WP1AB2A23FLA58765

WP1AF2A22FLA35353

- Tools:
- Torque wrench, 40 – 200 Nm (30 – 148 ftlb.), e.g. **V.A.G 1332 - Torque wrench, 40-200 Nm (30-148 ftlb.)**
 - **V.A.G 1332/12 - Open-jawed wrench insert, a/f 22**
 - **V.A.G 1923 - Open-jawed wrench insert**
 - **T10188 - Insert tool**
 - **VAS 6826 - Steering wheel alignment gauge**
 - Wheel alignment computer, e.g. **VAS 6767 - Wheel alignment computer**
 - Wheel alignment platform, e.g. **VAS 6804 - Scissor-action wheel alignment platform 4.2 t**

Work Procedure: See Attachment "A".

Claim Submission: See Attachment "B".

Attachment "A": **Work Procedure**

- 1 Perform suspension alignment as described in ⇒ *Workshop Manual '449503 Suspension alignment, complete'* and adjust the vehicle if necessary.
During suspension alignment, current adjustment values and adjustment values assigned to the relevant vehicle type must always be used, see ⇒ *Workshop Manual '4495TW Adjustment values for suspension alignment'*.

**Information**

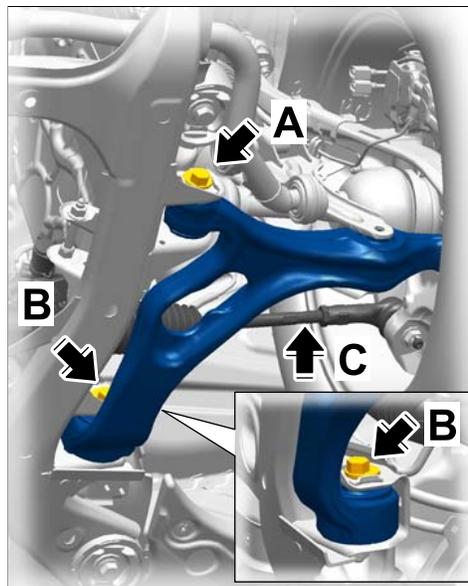
If suspension alignment work is subcontracted to a service provider, **it is important to ensure** that the service provider is provided with the **correct adjustment values** or that these adjustment values **are supplied in writing with the vehicle**.

Following suspension alignment, tighten the threaded connections on all toe, camber and caster threaded joints to the specified tightening torques.

Use	Tightening torque	Installation position
Fastening nut for camber eccentric adjuster on rear axle ⇒ <i>Threaded connections on rear axle -A-</i>	170 Nm (126 ftlb.)	
Fastening nut for toe eccentric adjuster on rear axle ⇒ <i>Threaded connections on rear axle -B-</i>	170 Nm (126 ftlb.)	

Threaded connections on rear axle

- Fastening nut for camber eccentric adjuster on front axle
⇒ *Threaded connections on front axle -A-* **170 Nm (126 ftlb.)**
- Fastening nut for caster eccentric adjuster on front axle
⇒ *Threaded connections on front axle -B-* **170 Nm (126 ftlb.)**
- Lock nut for tie rod on front axle
⇒ *Threaded connections on front axle -C-* **90 Nm (67 ftlb.)**



Threaded connections on front axle

- 2 If the existing wheel alignment values were changed, calibrate the steering-angle sensor ⇒ *Workshop Manual '456005 Initialising and calibrating steering-angle sensor'.*

Attachment "B": **Claim Submission** - Stop Sale/Recall Campaign AF04
 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.



Information

The specified working time was determined specifically for carrying out this campaign and includes all preliminary and subsequent work required for performing suspension alignment **and** adjusting the vehicle.
 The working time may differ from the working times published in the Labor Operation List in PIWIS.

Working time:

Performing suspension alignment and adjusting the vehicle
 Includes: Calibrating steering-angle sensor

Labor time: **161 TU**

⇒ **Damage code AF04 099 000 1**

- References:
- ⇒ *Workshop Manual '449503 Suspension alignment, complete'*
 - ⇒ *Workshop Manual '4495TW Adjustment values for suspension alignment'*
 - ⇒ *Workshop Manual '456005 Initialising and calibrating steering-angle sensor'*

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