

WRN1 - Check Rear Axle Drive and Replace if Necessary (Stop Delivery)



Information

Prerequisite: Ensure the PIWIS Tester is updated to v42.950.015 (or higher).

1. **DO NOT PERFORM A VEHICLE HANDOVER OR PDI ON THE VEHICLE AS A FIRST STEP.**
2. **WRM0 Stop Delivery** – Update to software network VR28.11. This must be performed before conducting a Vehicle Handover or PDI.
3. **Vehicle Handover is now possible**
4. **WRP6 Stop Delivery** - Replacing electric power distributor control unit (J1282)
5. **WRP7 Stop Delivery** - Replacing adhesive strips for sensor on left and right charge port door
6. **WRN2 Stop delivery** - Checking parking lock and replace drive unit if necessary
7. **WRN1 Stop Delivery** - Check rear axle drive and replace if necessary
8. **WRP8 Workshop Campaign** - Checking sliding roof and replacing control unit for sliding roof, if necessary

Vehicle Type: **Macan 4 (XAB)**

Model Year: **2024**

Concerns: **Rear-axle final drive**

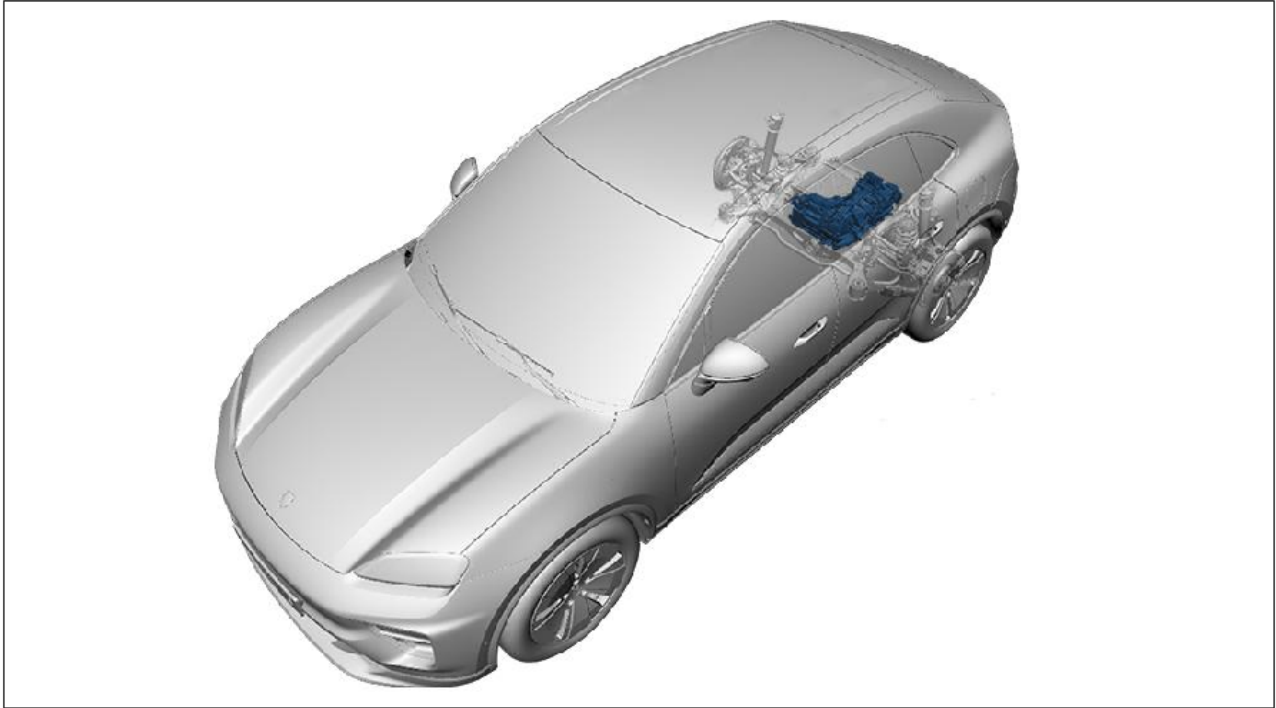
Cause: **There is a possibility that a rear axle final drive was installed in the affected vehicles, that does not meet the required specifications.**

If this is the case, damage to the final drive and subsequent mechanical noises as well as loss of drive on the rear axle cannot be ruled out when driving dynamically.

Action: Check rear axle final drive and replace if necessary.

Affected Vehicles: Only vehicles assigned to the campaign (see also PCSS Vehicle Information).

Installation
Position:



Installation position of rear-axle final drive

Check rear axle final drive



Information

A test drive is required to test the rear axle final drive. A distance of approx. 50 m to 60 m/ 160 to 200 ft is required to perform the test drive.



Information

Before starting the test drive, the following points must be met:

- The vehicle must be ready to drive.
- Production mode and/or transport mode must be switched off.
- The temperature of the high-voltage battery must be above 15°C/ 59°F.
- The charge state of the high-voltage battery must be above 20%.

Work Procedure: 1 Carry out test drive.

- 1.1 Engage gear D and select **Sport** or **Sport Plus** drive mode depending on vehicle equipment. The drive mode can be selected via the thumbwheel on the steering wheel or via the display and control panel.
- 1.2 Use your left foot to press the footbrake as far as possible.
- 1.3 Use your right foot to fully press the accelerator pedal. **"Launch Control"** is now displayed graphically on the instrument cluster. ⇒ *"Launch Control" display in instrument cluster*
- 1.4 Rapidly release the footbrake. The vehicle now accelerates at maximum acceleration.
- 1.5 Continue acceleration for 2 seconds until the vehicle has reached a speed of approx. 50 km/h/ 30 mph, then brake the vehicle to a stop.



"Launch Control" display in instrument cluster

- 2 Repeat process **3x as described**.
- 3 Evaluate test drive.

Assessment		Action
(✓)	The vehicle does not show any abnormal handling.	Check OK. End of action. Invoicing for Scope 1.
(x)	The vehicle shows abnormal handling, e.g. loss of power and simultaneous noise generation (grinding metallic noise from the rear axle final drive).	Review not OK. Message of not OK check via PRMS ticket to Warranty Support > Campaigns and to clarify how to proceed.

Warranty processingScope 1: **Check rear axle final drive****Labor time:**

Check rear axle final drive

Labor time: **34 TU**⇒ **Damage number WRN1 066 000 1**

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