

Oil Leak on Front-Axle Final Drive (194/21)

Vehicle Type: **Panamera 4 (971)/Panamera 4S (971)/Panamera Turbo (971)/Panamera Turbo S (971)/Panamera GTS (971)**

Model Year: **As of 2017**

Concerns: **Oil leaks around the front-axle drive**

Information: We have discovered that the leak point usually cannot be clearly identified in the customer complaint "Oil leak on front-axle drive". As a result, the front-axle final drive will be replaced without authorization.

In most cases, if the complaint "Oil leak on front-axle final drive" is received, this can cause oil to leak from another leakage point.

Oil migration from the oil-filter housing area or oil that is next to it can occur, for example.

Action required: In the event of a complaint, clean the front-axle final drive or the affected area thoroughly and spray leak-locating spray or powder on it. Then carry out a test drive and correct the identified leak as described in the Workshop Manual.

Locate oil leak in front-axle final drive area

Work Procedure:



Information

- Oil leaks must be clearly identifiable and reproducible
 - Engine oil and coolant must have reached operating temperature during a test drive
- 1 Removing front underbody cover. ⇒ *Workshop Manual '519219 Removing and installing cover for front underbody cover'*
 - 2 Take photos of the complaint for PCSS.
 - 3 Clean the affected area on the front-axle final drive using a suitable cleaning agent.
 - 4 Apply leak-locating spray or powder to possible leakage points.
 - 5 Perform a test drive.
 - 6 Find oil leaks.

- 7 Take photos of the leak points found for PCSS.
⇒ *Example of oil residues on front-axle drive*
- 8 Correct identified leaks as described in the Workshop Manual.



Example of oil residues on front-axle drive

Invoicing

For documentation and warranty invoicing, enter the working position and PCSS encryption specified below in the warranty claim:

APOS	Labor operation	I No.
39010100	Checking oil for final drive	

PCSS encryption:

Location (FES5)	39010	Final drive
Damage type (SA4)	5043	Oil leak

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