

Complaint - Grease Leak on Cardan Shaft Joint: Visual Inspection and Assessment (130/20)

Model Line: **Panamera (971)**

Model Year: **As of 2017**

Subject: **Rear cardan shaft**

Information: Small amounts of grease can leak out of the venting (rubber bellows) at the front or center cardan shaft joint. There are traces of grease on the heat shield and insulating mat.



Information

When working on the cardan shaft, always proceed as described in the Workshop Manual, see ⇒ *Workshop Manual '393519 Removing and installing rear cardan shaft'*.

Remedial Action:

Visual inspection and assessment:

A small amount of grease is leaking out:

A small amount of grease is leaking out of the cardan shaft joint ⇒ *Figure 1* and there is a streak of grease on the heat shield ⇒ *Figure 2*.



Figure 1

⇒ **Replacement of the cardan shaft is not justified.**

Grease can get into the venting groove when installing the joint. Small amounts of grease leaking out will not impair the function of the cardan shaft in any way.

⇒ **Remove grease and clean components.**



Figure 2

A large amount of grease is leaking out:

A large amount of grease is leaking out of the cardan shaft joint ⇒ *Figure 3* and there is a wide streak of grease on the heat shield ⇒ *Figure 4*.



Figure 3



Figure 4

⇒ **Replacement of the cardan shaft is justified.**

Large amounts of grease leaking out will result in an imbalance while driving. In this case, the cardan shaft must be replaced.

⇒ **Remove grease and clean components.**

References: ⇒ *Workshop Manual '393519 Removing and installing rear cardan shaft'*

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