

Complaint - Rattling Noise from Around the Crank Drive: Observe Specifications (147/18)

Change overview

Release	Date	Change
0	11/19/2018	<ul style="list-style-type: none"> • First publication
1	7/20/2022	<ul style="list-style-type: none"> • Update: 3D Information
2	01/26/2024	<ul style="list-style-type: none"> • 911 GT3 (992) / 911 GT3 RS (992) added • 718 Cayman GT4 RS (982) / 718 Spyder RS (982) added • 911 S/T (992) added

Vehicle Type: **718 Cayman GT4 RS (982) / 718 Spyder RS (982)**
911 GT3 (991) / 911 GT3 RS (991) / 911 Speedster (991)
911 GT3 (992) / 911 GT3 RS (992) / 911 S/T (992)

Model Year: **As of 2018**

Concerns: **Engine**

Cause:



Information

- **Currently, more and more engines are being replaced or attempts are made to repair more and more engines due to complaints about noise coming from around the oil pump/crank drive.**
- The engines complained about and replaced were examined on the test stand.

⇒ In the event of a customer complaint, the noise in question must be compared with the noise in the sound file before doing any other work, see chapter '3D Information'.

Following **analysis of the queried rattling noise**, we can clarify the following points:

- It is a **specific noise from the engine mechanics**,
- has **no effect on correct engine operation** and
- can occur in any vehicle type specified above with a 4.0-liter engine as of MY 2018.

⇒ Replacing the engine is not authorized in the event of a complaint about this noise.

Work

Procedure:



Hot components

- Risk of burns

⇒ Let hot components cool down.

⇒ Wear personal protective gear.

Listen to the noise coming from the vehicle and compare it with the recording in the sound file.

To document the problem in PCSS, record the noise and attach the sound file to the PQIS job.

1 **Only valid for 718 (982):**

Remove cover for rear underbody.

⇒ *Workshop Manual '519419 Removing and installing cover for rear underbody'*

1 **Only valid for 911 (991):**

Remove power unit guard.

⇒ *Workshop Manual '108019 Removing and installing power unit guard'*

1 **Only valid for 911 (992):**

Remove rear spoiler, lower part (diffuser).

⇒ *Workshop Manual '66591925 Removing and installing rear spoiler, lower part (diffuser)'*

2 The following conditions must be met in order to compare the noise coming from the vehicle:

- The engine oil temperature is approx. 90° [C] ⇒ engine is at operating temperature.
- The measurement is taken at a distance of approx. 1 meter/ 3.28 ft straight under the center of the oil guide module.
- The engine is running at idle speed ⇒ revs are increased to 2,000 rpm ⇒ revs oscillate between 2,000 rpm and 2,500 rpm ⇒ revs drop to idle speed.

3 Compare the noise with the stored sound file (see **3D Information**).

If the noise is the same, inform the customer about this technical symptom.

4 **Only valid for 718 (982):**

Install cover for rear underbody.

⇒ *Workshop Manual '519419 Removing and installing cover for rear underbody'*

4 **Only valid for 911 (991):**

Install power unit guard.

⇒ *Workshop Manual '108019 Removing and installing power unit guard'*

4 **Only valid for 911 (992):**

Install rear spoiler, lower part (diffuser).

⇒ *Workshop Manual '66591925 Removing and installing rear spoiler, lower part (diffuser)'*



Information

On 911 (992) vehicles, the **5 self-locking screws PAF910423 (hexalobular socket head cap screw M6 x 16)** on the rear bottom spoiler (diffusor) must always be replaced after each removal.

3D Information: A sound file of the engine noise is stored under the following link.

[1001IN Complaint: Rattling noise, crank drive information](#)

Important Notice: Technical Bulletins issued by Porsche Cars North America, Inc. are intended only for use by professional automotive technicians who have attended Porsche service training courses. They are written to inform those technicians of conditions that may occur on some Porsche vehicles, or to provide information that could assist in the proper servicing of a vehicle. Porsche special tools may be necessary in order to perform certain operations identified in these bulletins. Use of tools and procedures other than those Porsche recommends in these bulletins may be detrimental to the safe operation of your vehicle, and may endanger the people working on it. Properly trained Porsche technicians have the equipment, tools, safety instructions, and know-how to do the job properly and safely. Part numbers listed in these bulletins are for reference only. The work procedures updated electronically in the Porsche PIWIS diagnostic and testing device take precedence and, in the event of a discrepancy, the work procedures in the PIWIS Tester are the ones that must be followed.

© 2024 Porsche Cars North America, Inc.