

**Noise Symptom - Rattling Noises from the Fuel Tank Area: Replacing Fuel Tank With New Type of Fuel Tank (SY 104/20)**

Vehicle Type: **Cayenne (9YA)/Cayenne Coupé (9YB)**

Change overview

Version	Date	Change
0	08/07/.2020	First publication
1	08/27/2020	<ul style="list-style-type: none"> <li>• Section on cause extended</li> <li>• Video example stored in PCSS</li> <li>• TI modified from Serv. No. 2023 to 2010 - Fuel tank</li> </ul>

Model Year: **As of 2018 up to 2020**

Country/mark-  
et: USA (C02)  
Canada (C36)

Equipment: 6-cylinder turbo engine, 3.0 l (l-no. DU6)

Subject: **Fuel tank**

Symptom: Rattling noises can be heard from the fuel tank area at idle speed.

Cause: During tank vent valve flushing, the pulsation damper does not have a sufficient damping effect and this can result in rattling noises. The following factors contribute to the fault:

- Fuel tank level between 50 and 100%
- Drive is selected for gear engagement, while the brake is applied with low engine load at idle engine speed
- With activated air conditioning at low level
- Tank vent valve operating with a duty cycle of 30% or more

Remedial Action: In the event of a customer complaint **and if the fault is clearly present**, replace the fuel tank with the new tank type, see ⇒ *Workshop Manual '201019 Removing and installing fuel tank'*. For a better definition of the fault type, use the video entitled "Video SY - 104/20" in the information medium TI - Technical Information, Main group 2 - Fuel supply.



**Information**

The fuel tank with modified seal (Part No. 9Y0201060) must only be installed in the event of a complaint involving the noise described here. Use the standard fuel tank for all other repairs.

**Parts required**

Parts Info:	Part No.	Designation - Use	Qty.
	9Y0201060	⇒ Fuel tank	1 ea.
	N 91205201	⇒ Cheese head bolt with multiple-tooth head - Rear seat	2 ea.
	PAF912664	⇒ Hexagon flange bolt - Rear seat	2 ea.
	N 91228001	⇒ Hexagon flange bolt - Rear axle	4 ea.
	N 91236401	⇒ Hexagon-head bolt - Rear spring damper	2 ea.
	N 10106403	⇒ Hexagon collar nut - Rear spring damper	2 ea.
	PAF912225	⇒ Hexagon-head bolt - Rear spring damper	4 ea.
	9A700758500	⇒ Cheese head bolt (I-no. 1KV, 1KR, 1KX) - Rear brake calliper	4 ea.
		<b>or</b>	
	N 91183701	⇒ Cheese head bolt (I-no. 1KS, 2EN, 2EL, 2EQ, 2ES) - Rear brake calliper	4 ea.
		<b>or</b>	
	N 91252201	⇒ Cheese head bolt (I-no. 1KK, 1KI) - Rear brake calliper	4 ea.
	N 10772201	⇒ Hose clamp (I-no. T9I, TV8, OK0) - Cardan shaft	1 ea.
		<b>or</b>	
	PAF10848901	⇒ Hose clamp (I-no. T1M, OK0, OK3) - Cardan shaft	1 ea.
	95534919121	⇒ Plate - Cardan shaft	3 ea.
	PAF107599	⇒ Cheese head bolt with multiple-tooth head - Cardan shaft	6 ea.

PAB25311520	⇒ Seal (I-no. T9I) – Catalytic converter	1 ea.
N 91130802	⇒ Hexagon collar nut (I-no. T9I) – Catalytic converter	3 ea.

**Invoicing**

Invoicing: For documentation and warranty invoicing, enter the labor operations, PQIS coding and part numbers specified below in the warranty claim:

APOS	Labour operation	I No.
20105501	Replacing fuel tank	

PQIS coding:

<b>Location (FES5)</b>	20230	Tank vent valve
<b>Damage type (SA4)</b>	2024	rattling

Parts Info:

Part No.	Designation – Use	Qty.
9Y0201060	Fuel tank	1 ea.
N 91205201	Cheese head bolt with multiple-tooth head – Rear seat	2 ea.
PAF912664	Hexagon flange bolt – Rear seat	2 ea.
N 91228001	Hexagon flange bolt – Rear axle	4 ea.
N 91236401	Hexagon-head bolt – Rear spring damper	2 ea.
N 10106403	Hexagon collar nut – Rear spring damper	2 ea.
PAF912225	Hexagon-head bolt – Rear spring damper	4 ea.
9A700758500	Cheese head bolt (I-no. 1KV, 1KR, 1KX) – Rear brake calliper	4 ea.
	<b>or</b>	
N 91183701	Cheese head bolt (I-no. 1KS, 2EN, 2EL, 2EQ, 2ES) – Rear brake calliper	4 ea.

	<b>or</b>	
N 91252201	Cheese head bolt (I-no. 1KK, 1KI) – Rear brake calliper	4 ea.
N 10772201	Hose clamp (I-no. T9I, TV8, OK0) – Cardan shaft	1 ea.
	<b>or</b>	
PAF10848901	Hose clamp (I-no. T1M, OK0, OK3) – Cardan shaft	1 ea.
95534919121	Plate – Cardan shaft	3 ea.
PAF107599	Cheese head bolt with multiple-tooth head – Cardan shaft	6 ea.
PAB25311520	Seal (I-no. T9I) – Catalytic converter	1 ea.
N 91130802	Hexagon collar nut (I-no. T9I) – Catalytic converter	3 ea.
	<b>or</b>	
PAB253115	Seal (I-no. T9I with petrol particulate filter) – Catalytic converter	2 ea.
N 91130802	Hexagon collar nut (I-no. T9I with petrol particulate filter) – Catalytic converter	6 ea.

References: ⇒ *Workshop Manual '201019 Removing and installing fuel tank'*

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