

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

Change overview

| Version | Date | Change |
|---------|------------|--|
| 0 | 08/07/2020 | <ul style="list-style-type: none"> • First publication |
| 1 | 08/27/2020 | <ul style="list-style-type: none"> • Section on cause extended • Video example stored in PCSS • TI modified from Serv. No. 2023 to 2010 - Fuel tank |
| 2 | 09/03/2021 | <ul style="list-style-type: none"> • Part number for fuel tank changed • Information revised |
| 3 | 01/14/2022 | <ul style="list-style-type: none"> • Update of MY |

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

Model Year: **As of 2018**

Country/Market: USA (C02)
Canada (C36)

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

Subject: **Fuel tank**

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

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

- With transmission range selected, if the brake is actuated slightly at low load
- 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. |
|-------------|-------------|---|-------|
| | 9Y0201060B | ⇒ 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 (l-no. 1KV, 1KR, 1KX) – Rear brake calliper | 4 ea. |
| | | or | |
| | N 91183701 | ⇒ Cheese head bolt (l-no. 1KS, 2EN, 2EL, 2EQ, 2ES) – Rear brake calliper | 4 ea. |
| | | or | |
| | N 91252201 | ⇒ Cheese head bolt (l-no. 1KK, 1KI) – Rear brake calliper | 4 ea. |
| | N 10772201 | ⇒ Hose clamp (l-no. T9I, TV8, OK0) – Cardan shaft | 1 ea. |
| | | or | |
| | PAF10848901 | ⇒ Hose clamp (l-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 | Labor operation | I No. |
|----------|---------------------|-------|
| 20105501 | Replacing fuel tank | |

PQIS coding:

| | | |
|-------------------|-------|-----------------|
| Location (FES5) | 20230 | Tank vent valve |
| Damage type (SA4) | 2024 | rattling |

Parts Info:

| Part No. | Designation – Use | Qty. |
|-------------|---|-------|
| 9Y0201060B | 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. |

or

| | | |
|-------------|--|-------|
| N 91183701 | Cheese head bolt (I-no. 1KS, 2EN, 2EL, 2EQ, 2ES) – Rear brake calliper | 4 ea. |
| | or | |
| 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. |
| | or | |
| 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. |
| | or | |
| 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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