

WJ41 - Replacing Fastening Screws on the Clutch Pressure Plate (Workshop Campaign)

Vehicle Type: **911 R (991)**

Model Year: **2016**

Equipment: Single-mass flywheel (I-no. 187)

Subject: **Fastening screws on the clutch pressure plate**

Information: **On vehicles with a single-mass flywheel, there is a possibility that the fastening screws on the clutch pressure plate can loosen over the service life of the vehicle due to vibrations in the drive train.**

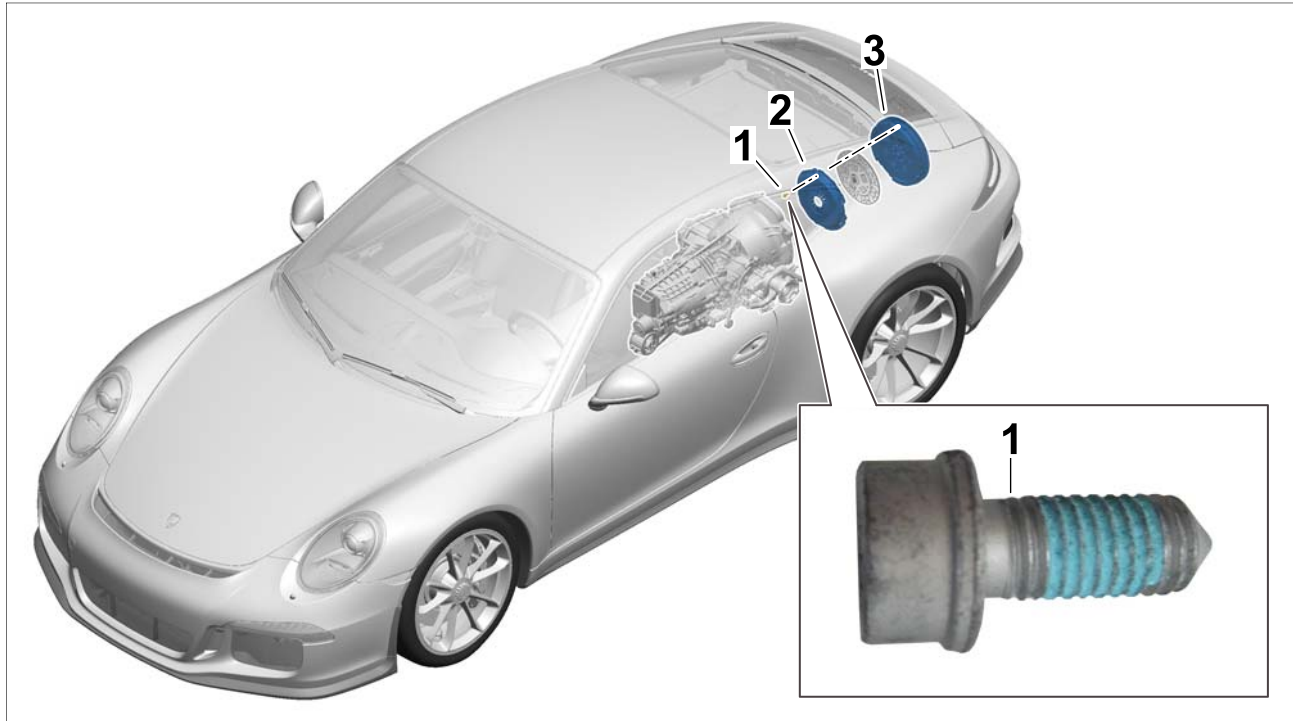
If this happens, the customer may notice a change in the clutch pedal pressure point.

Remedial Action: Replace fastening screws on the clutch pressure plate with screws that have an additional coating of screw locking compound.

Affected Vehicles: Only the vehicles assigned to the campaign (see also PIWIS Vehicle information). This campaign affects 247 vehicles in North America.

Installation

Position:

*Installation position overview*

- 1 – Fastening screws (**replace**, illustration shows **new screw** with additional coating)
- 2 – Clutch pressure plate
- 3 – Single-mass flywheel

Required parts and materials

Parts Info: **Please Note: Parts can be ordered as normal with no PTEC/PAV required. Parts for this campaign will NOT be automatically allocated to your dealer.**

Part No.	Designation – Use	Qty.
99951010601	⇒ Torx screw, M8 x 19 – Pressure plate to flywheel	6 ea.
99908600902	⇒ Nut, M12 x 1.5 – Transmission mount to transmission	1 ea.
90038516401	⇒ Hexagon round-head bolt, M12 x 1.5 x 140 – Transmission mount to transmission	1 ea.
99907605301	⇒ Hexagon nut, M10 – Transmission support to body	2 ea.

99907208301	⇒ Combination screw, M10 x 58 - Longitudinal member to body	2 ea.
99907206302	⇒ Hexagon-head bolt, M10 x 40 - Tunnel strut to body	6 ea.
99907286901	⇒ Hexagon-head bolt, M12 x 1.5 x 45 - Diagonal brace to cross member	2 ea.
99907309501	⇒ Oval-head screw, M8 x 30 - Diagonal brace to rear-axle side section	2 ea.
99907344301	⇒ Combination screw, M12 x 1.5 x 40 - Diagonal brace to body	2 ea.
WHT008727	⇒ Cheese head bolt, M10 x 1 x 46.5 - Drive shaft to transmission	12 ea.
95533219121	⇒ Plate - Drive shaft to transmission	6 ea.

Materials: **Required materials** (usually already available in the Porsche dealership):

Part No.	Designation - Use	Qty.
00004330516	⇒ Antifreeze, 20-liter container - Cooling system	As much as required (approx. 1 liter required per vehicle)

Required tools

- Tools:
- **9102 - Centering mandrel** for clutch
 - **VAS 6766 - Counterhold** for flywheel
 - **VAS 6933 - Disassembly tool**
 - Suitable hose clamps, e.g. **3093 - hose clamp** or **3094 - hose clamp** (or equivalent)
 - **VAS 6096/2 - Vacuum pump** (or equivalent)
 - **9696 - Filling device** for cooling system
 - Electronic torque angle torque wrench, 2 – 100 Nm (1.5 - 74 ftlb.), e.g. **9768 - Electronic torque wrench, 2 - 100 Nm (1.5 - 74 ftlb.)**
 - Torque wrench, 6 – 50 Nm (4.5 – 37 ftlb.), e.g. **V.A.G 1331a - Torque wrench, 6-50 Nm (4.5-37 ftlb.)**
 - Torque wrench, 20 – 100 Nm (15 – 74 ftlb.), e.g. **VAS 5820 - Torque wrench, 20-100 Nm (15-74 ftlb.)** (or equivalent)
 - Torque screwdriver, 1.5 – 3 Nm (1 - 2 ftlb.), e.g. **VAS 6494 - Torque screwdriver**

Replacing fastening screws on clutch pressure plate

Work Procedure: 1 Disconnect ground line at the battery.
For instructions, see ⇒ *Workshop Manual '2X00IN Work instructions after disconnecting the battery'*.

2 Raise the vehicle using a lifting platform ⇒ *Workshop Manual '4X00IN Lifting the vehicle'*.



Information

When raising the vehicle, take care to maintain access to the screws for the diagonal struts close to the rear jacking points.

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

4 Remove both diagonal braces on the rear axle ⇒ *Workshop Manual '421319 Removing and installing strut'*.

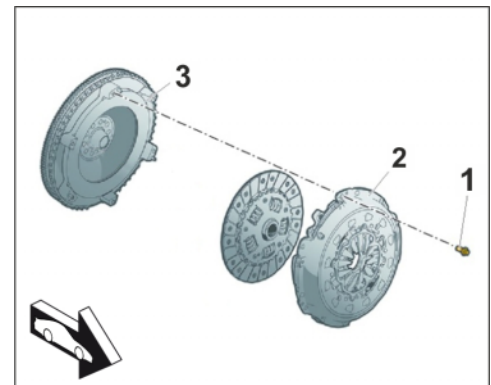
5 Remove manual transmission ⇒ *Workshop Manual '343519 Removing and installing transmission'*.

6 Replace fastening screws ⇒ *Fastening screws on clutch pressure plate -1-* on the clutch pressure plate ⇒ *Fastening screws on clutch pressure plate -2-* at the flywheel ⇒ *Fastening screws on clutch pressure plate -3-*.

6.1 Loosen and unscrew fastening screws on the clutch pressure plate in diagonally opposite sequence in several steps ⇒ *Workshop Manual '305019 Removing and installing clutch'*.

6.2 **Screw in new fastening screws** for the clutch pressure plate and tighten in diagonally opposite sequence in several steps using the three-step tightening procedure ⇒ *Workshop Manual '305019 Removing and installing clutch'*.

- Step 1 – **First initial tightening:** Tightening torque 10 Nm (7.5 ftlb.)
- Step 2 – **Second initial tightening:** Tightening torque 20 Nm (15 ftlb.)
- Step 3 – **Final tightening:** Torque angle 90° +/-2°



Fastening screws on clutch pressure plate

Part No.	Designation	Qty.
99951010601	Torx screw, M8 x 19	6 ea.

7 Install manual transmission ⇒ *Workshop Manual '343519 Removing and installing transmission'*.

Part No.	Designation - Use	Qty.
99908600902	Nut, M12 x 1.5 - Transmission mount to transmission	1 ea.
90038516401	Hexagon round-head bolt, M12 x 1.5 x 140 - Transmission mount to transmission	1 ea.
99907605301	Hexagon nut, M10 - Transmission support to body	2 ea.
99907208301	Combination screw, M10 x 58 - Longitudinal member to body	2 ea.
99907206302	Hexagon-head bolt, M10 x 40 - Tunnel strut to body	6 ea.
WHT008727	Cheese head bolt, M10 x 1 x 46.5 - Drive shaft to transmission	12 ea.
95533219121	Plate - Drive shaft to transmission	6 ea.

- 8 Install both diagonal braces on the rear axle ⇒ *Workshop Manual '421319 Removing and installing strut'*.

Part No.	Designation - Use	Qty.
99907286901	Hexagon-head bolt, M12 x 1.5 x 45 - Diagonal brace to cross member	2 ea.
99907309501	Oval-head screw, M8 x 30 - Diagonal brace to rear-axle side section	2 ea.
99907344301	Combination screw M12 x 1.5 x 40 - Diagonal brace on body	2 ea.

- 9 Install rear underbody cover ⇒ *Workshop Manual '519419 Removing and installing cover for rear underbody'*.
- 10 Lower the vehicle with the lifting platform.
- 11 Connect ground line to the battery ⇒ *Workshop Manual '2X00IN Work instructions after disconnecting the battery'*.

- 12 Fill in coolant and bleed the cooling system ⇒ *Workshop Manual '193817 Draining and filling coolant (incl. bleeding the cooling system)'*.
- 13 Enter the campaign in the Warranty and Maintenance booklet.

Warranty processing



Information

The working time specified below was determined specifically for carrying out this campaign and may differ from the working times published in the Labour Operation List in PIWIS.

Scope:

Replacing fastening screws on clutch pressure plate

Working time:

Replacing fastening screws on clutch pressure plate

Labor time: **483 TU**

Includes:

- Raising and lowering the vehicle
- Disconnecting and connecting battery
- Removing and installing cover for rear underbody
- Removing and installing diagonal braces on rear axle
- Removing and installing manual transmission
- Filling and bleeding the cooling system

Parts required:

99951010601	Torx screw, M8 x 19	6 ea.
99908600902	Nut, M12 x 1.5	1 ea.
90038516401	Hexagon round-head bolt, M12 x 1.5 x 140	1 ea.
99907605301	Hexagon nut, M10	2 ea.
99907208301	Combination screw, M10 x 58	2 ea.
99907206302	Hexagon-head bolt, M10 x 40	6 ea.
99907286901	Hexagon-head bolt, M12 x 1.5 x 45	2 ea.
99907309501	Oval-head screw, M8 x 30	2 ea.
99907344301	Combination screw, M12 x 1.5 x 40	2 ea.
WHT008727	Cheese head bolt, M10 x 1 x 46.5	12 ea.
95533219121	Plate	6 ea.

Required materials:

00004330516

Antifreeze (20-liter container)

0.05 ea.

(= approx. 1 liter)

⇒ Damage Code WJ41 066 000 2

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