

**Transmission Symptom - Transmission Oil Leaks Out When Driving on Race Circuits:
Replacing Vent Line for Clutch Chamber (SY 130/19)**

Vehicle Types: **911 GT3 (991)/911 GT3 RS (991)**

Model Year: **As of 2014 up to 2019**

Subject: **Vent line for clutch chamber**

Symptom: Transmission oil leaks out of the vent line for the clutch chamber when driving on race circuits.

Cause: Highly dynamic driving on race circuits at high engine speeds causes oil foaming and can result in an oil leak from the PDK vent line on the clutch side in some cases.

Remedial Action: Replace vent line for clutch chamber and re-route it.

Required parts and materials

Parts Info:	Part No.	Designation - Location	Qty.
	9GT301280	⇒ Hose adapter	1 ea.
	9GT301063	⇒ Vent line	1 ea.
	PAF108605	⇒ Tie-wrap with hose holder	3 ea.
	99906112701	⇒ Stud - Rear-axle carrier side section	2 ea.
	N 90916701	⇒ Hexagon collar nut - Rear-axle carrier side section	2 ea.
	99907286601	⇒ Hexagon-head bolt - Rear-axle carrier side section	4 ea.
	99907286801	⇒ Hexagon-head bolt - Rear-axle cross member	2 ea.
	99907285901	⇒ Hexagon-head bolt - Rear-axle cross member	2 ea.
	99908444501	⇒ Lock nut - Rear-axle cross member	4 ea.
	99907344301	⇒ Combination screw - Strut	2 ea.
	99907309501	⇒ Oval-head screw - Strut	2 ea.
	99907286901	⇒ Hexagon-head bolt - Strut	2 ea.
	99908412309 ¹⁾	⇒ Hexagon nut - Connecting link	2 ea.
	N 91267902 ²⁾	⇒ Hexagon nut - Connecting link	2 ea.
	N 10699601 ²⁾	⇒ Hex flange bolt - Connecting link	2 ea.
	90012317320	⇒ Sealing ring - Coolant drain plug	2 ea.
	99970743441 ³⁾	⇒ O-ring - Air-conditioning line in engine compartment	1 ea.

99970765340 ³⁾	⇒ O-ring - Air-conditioning line in engine compartment	1 ea.
99907351701	⇒ Cheese head bolt - Drive shaft	12 ea.

1) Applies to vehicles with conventional anti-roll bar.

2) Applies to vehicles with carbon fiber-reinforced plastic (CFRP) anti-roll bar.

3) Applies to vehicles with air conditioning.

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

Part No.	Designation - Location	Qty.
00004320593	⇒ Lubricant - Seals on coolant lines	100g tube (approx. 5 grams required per vehicle)
00004330516	⇒ Coolant additive	20-liter container (approx. 0.5 liter required per vehicle)

Preparatory work

Work Procedure: 1 Remove engine, see ⇒ *Workshop Manual '100119 Removing and installing engine'*.

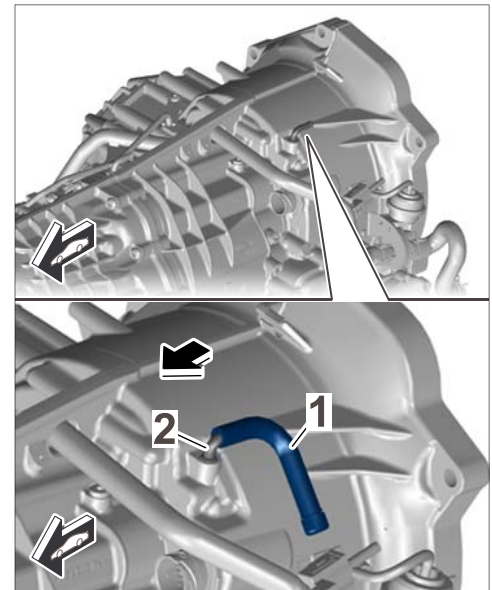
Replacing vent line for clutch chamber

Work Procedure: 1 Disconnect vent line for clutch chamber ⇒ *Vent line for clutch chamber -1-* from breather pipe ⇒ *Vent line for clutch chamber -2-*.

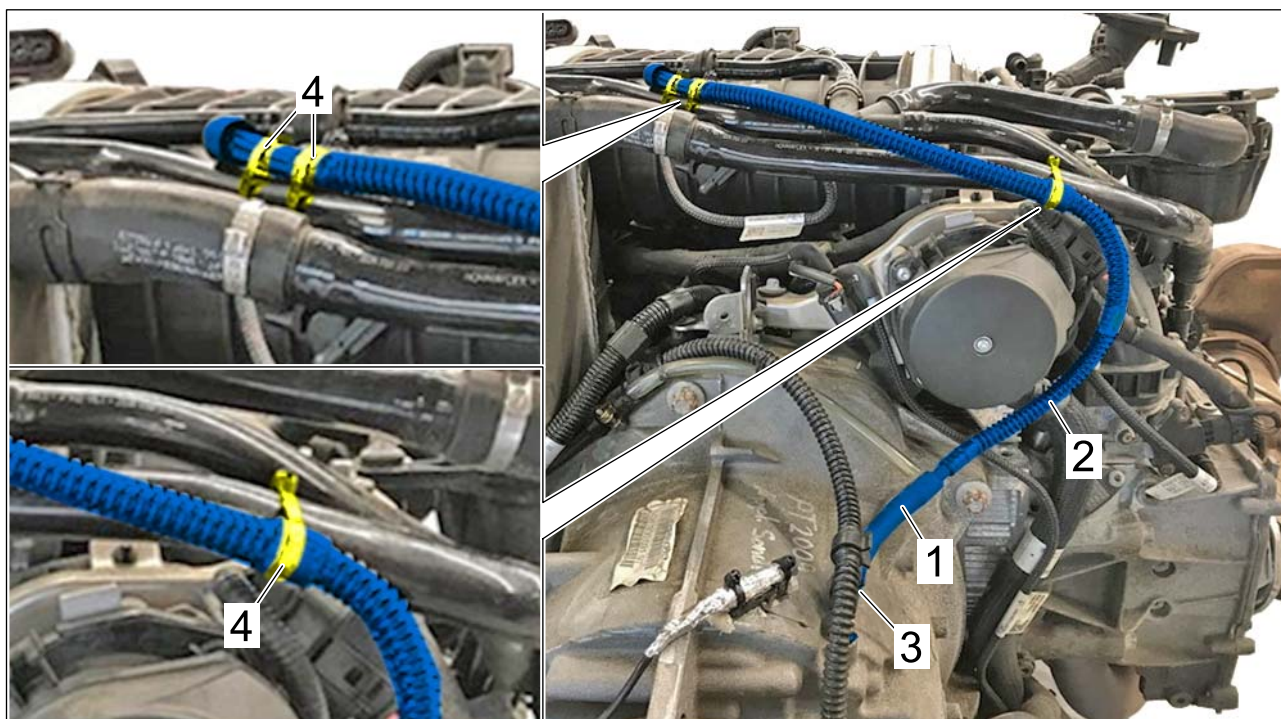
2 Replace vent line for clutch chamber.

2.1 Install **new** hose adapter (9GT301280) ⇒ *New vent line for clutch chamber -1-* on **new** vent line for clutch chamber (9GT301063) ⇒ *New vent line for clutch chamber -2-* and breather pipe ⇒ *New vent line for clutch chamber -3-*.

2.2 Route **new** vent line for clutch chamber (9GT301063) ⇒ *New vent line for clutch chamber -2-* so that it is routed continuously upwards as shown and secure with combination holders at positions ⇒ *New vent line for clutch chamber -4-*.



Vent line for clutch chamber



New vent line for clutch chamber

Concluding work

Work Procedure: 1 Install engine, see => *Workshop Manual '100119 Removing and installing engine'*.

Invoicing

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

APOS	Labor operation	I No.
37465525	Replacing vent line (911 GT3)	
37465535	Replacing vent line (911 GT3 RS)	

PQIS coding:

Location (FES5)	37340	Double clutch transmission
Damage type (SA4)	5043	Oil leak

Parts Info:	Part No.	Designation - Location	Qty.
	9GT301280	⇒ Hose adapter	1 ea.
	9GT301063	⇒ Vent line	1 ea.
	PAF108605	⇒ Tie-wrap with hose holder	3 ea.
	99906112701	⇒ Stud - Rear-axle carrier side section	2 ea.
	N 90916701	⇒ Hexagon collar nut - Rear-axle carrier side section	2 ea.
	99907286601	⇒ Hexagon-head bolt - Rear-axle carrier side section	4 ea.
	99907286801	⇒ Hexagon-head bolt - Rear-axle cross member	2 ea.
	99907285901	⇒ Hexagon-head bolt - Rear-axle cross member	2 ea.
	99908444501	⇒ Lock nut - Rear-axle cross member	4 ea.
	99907344301	⇒ Combination screw - Strut	2 ea.
	99907309501	⇒ Oval-head screw - Strut	2 ea.
	99907286901	⇒ Hexagon-head bolt - Strut	2 ea.
	99908412309 ¹⁾	⇒ Hexagon nut - Connecting link	2 ea.
	N 91267902 ²⁾	⇒ Hexagon nut - Connecting link	2 ea.
	N 10699601 ²⁾	⇒ Hex flange bolt - Connecting link	2 ea.
	90012317320	⇒ Sealing ring - Coolant drain plug	2 ea.
	99970743441 ³⁾	⇒ O-ring - Air-conditioning line in engine compartment	1 ea.
	99970765340 ³⁾	⇒ O-ring - Air-conditioning line in engine compartment	1 ea.
	99907351701	⇒ Cheese head bolt - Drive shaft	12 ea.
	00004320593	⇒ Lubricant - Seals on coolant lines	0.05 ea. (= approx. 5 grams)
	00004330516	⇒ Coolant additive	0.025 ea. (= approx. 0.5 liter)

¹⁾ Applies to vehicles with conventional anti-roll bar.

²⁾ Applies to vehicles with carbon fiber-reinforced plastic (CFRP) anti-roll bar.

³⁾ Applies to vehicles with air conditioning.

References: ⇒ *Workshop Manual '100119 Removing and installing engine'*

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