

**Complaint - Coolant Pipe at Front of Cylinder Head Leaking: Installing Coolant Pipe With Toothed Ring (68/19)**

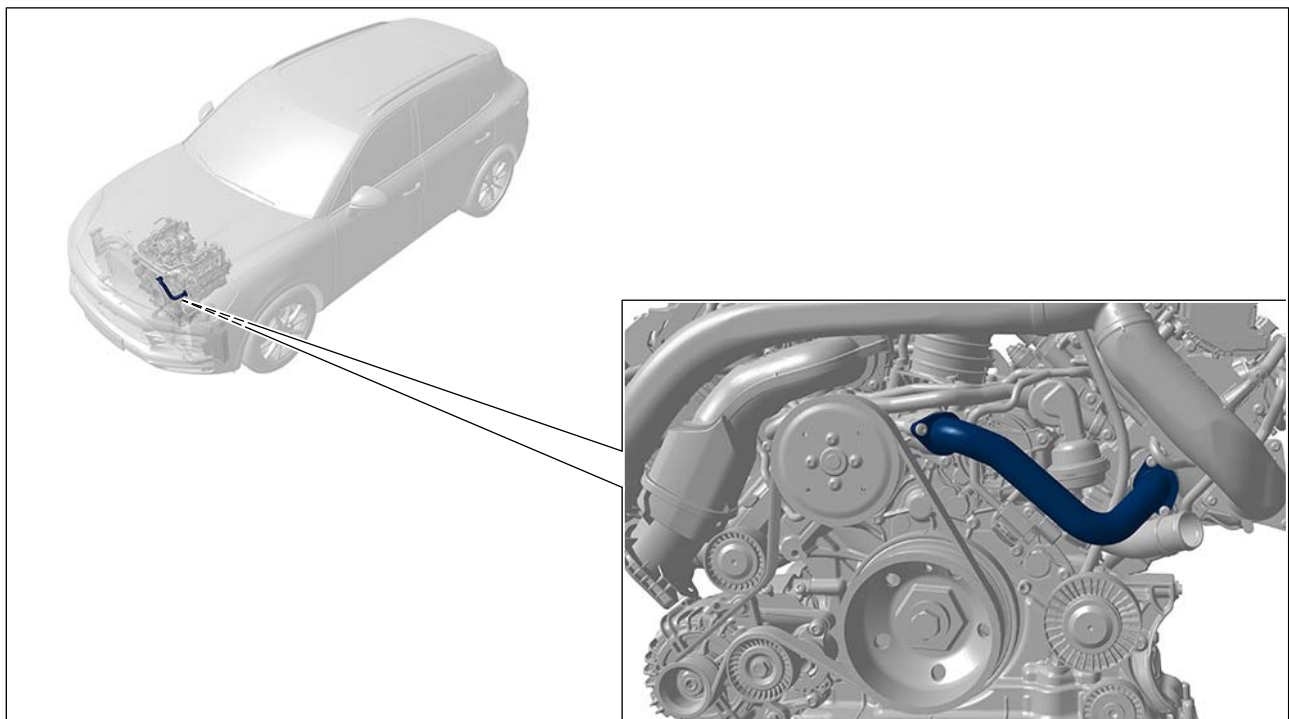
Vehicle Type: **Cayenne (9YA)**  
**Cayenne E-Hybrid (9YA)**  
**Macan S (95B)**

Model Year: **As of 2018**

Equipment: 3.0-liter 6-cylinder petrol engine (engine code: DCBE)

Subject: **Coolant pipe at front of cylinder head**

Installation  
Position:



*Coolant pipe at front of cylinder head*

Information: **Coolant pipe in cylinder head flange area leaking**

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

On vehicles with high mileage, the coolant pipe (Part No. 9A712148101) in the cylinder head flange area can start to leak ⇒ *Leak*.



*Leak*

Remedial Action: In the event of a complaint, replace coolant pipe on cylinder head with a modified coolant pipe with toothed ring (Part No. PAC121507).

### Required parts and materials

Parts Info:	Part No.	Designation - Use	Qty.
	PAC121507	⇒ Coolant pipe with toothed ring	1 ea.
	95813302610	⇒ Seal - Intake manifold	1 ea.
	9A713302601 <sup>1)</sup>	⇒ Seal - Intake-air distributor, center	2 ea.
	PAB13323700 <sup>1)</sup>	⇒ Seal - Throttle housing	1 ea.

<sup>1)</sup> Only required if the old seals are damaged.

Part No.	Designation - Use	Qty.
00004320593	⇒ Lubricant - Coolant pipe seals	100g tube (approx. 5 grams required per vehicle)
00004330516	⇒ Coolant additive	20-liter container (approx. 2 liters required per vehicle)

### Preparatory work

- Work Procedure: 1 Drain coolant in accordance with instructions in ⇒ *Workshop Manual '193817 Draining and filling coolant (high-temperature cooling system)'*.
- 2 Remove intake-air distributor in accordance with instructions in ⇒ *Workshop Manual '244619 Removing and installing intake-air distributor (V6 Turbo)'*.

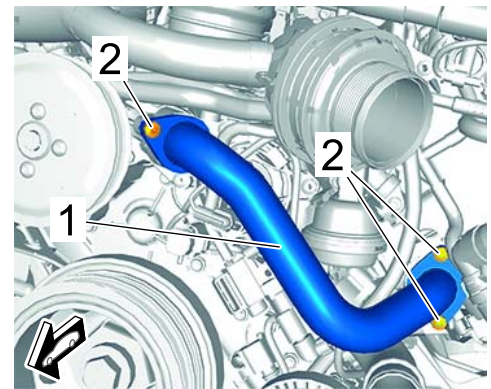
### Replacing coolant pipe on front of cylinder head



#### Hot fluid

- **Danger of scalding**
- ⇒ **Avoid contact with hot fluid.**
- ⇒ **Wear personal protective gear.**

- Work Procedure: 1 Replace coolant pipe ⇒ *Coolant pipe -1-* with a new coolant pipe with a toothed ring.
- 1.1 Unscrew and remove screws ⇒ *Coolant pipe -2-*.
  - 1.2 Remove coolant pipe.
  - 1.3 Carefully clean sealing faces on the engine.
  - 1.4 **Fit new** seals on the coolant pipe with toothed ring and coat lightly with lubricant.
  - 1.5 Fit coolant pipe with toothed ring and screw in and tighten screws **Tightening torque 9 Nm (6.5 ftlb.)** ⇒ *Coolant pipe -2-*.



Coolant pipe

### Concluding work

- Work Procedure: 1 Install intake-air distributor in accordance with instructions in ⇒ *Workshop Manual '244619 Removing and installing intake-air distributor (V6 Turbo)'*.
- 2 Fill in coolant in accordance with instructions in ⇒ *Workshop Manual '193817 Draining and filling coolant (high-temperature cooling system)'*.

### 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.
51921900	Removing and installing front cover (64 TU)	
19381750	Draining and filling coolant (146 TU)	
19611901	Removing and installing coolant pipe (192 TU)	

PQIS coding:

Location (FES5)	19010	Cooling system
Damage type (SA4)	5014	Coolant leak

## Parts Info:

Part No.	Designation	Number/Quantity
PAC121507	Coolant pipe with toothed ring	1 ea.
95813302610	Intake manifold seal	1 ea.
97A13302601	Intake-air distributor seal, center	2 ea. (if required)
PAB13323700	Throttle housing seal	1 ea. (if required)
00004320593	Lubricant for coolant pipe seals	0.05 ea. (= approx. 5 grams)
00004330516	Coolant additive	0.1 ea. (= approx. 2 liters)

 References: ⇒ *Workshop Manual '193817 Draining and filling coolant (high-temperature cooling system)'*

 ⇒ *Workshop Manual '244619 Removing and installing intake-air distributor (V6 Turbo)'*

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