

**Complaint - Coolant Pipe at Front of Cylinder Head Leaking: Installing coolant pipe with toothed ring (68/19)**

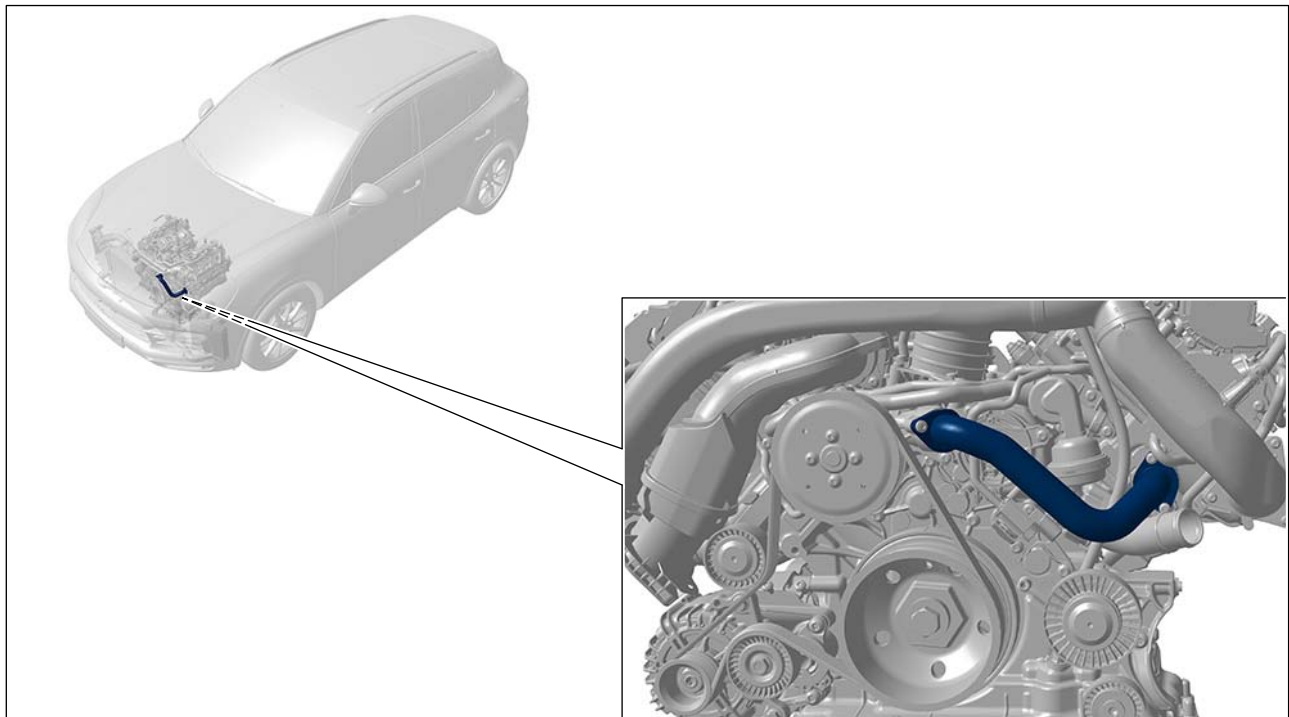
Vehicle Type: **Cayenne E-Hybrid (9YA)**

Model Year: **As of 2018**

Equipment: 3.0-liter 6-cylinder gasoline 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**



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	Qty.
		<b>- Use</b>	
	PAC121507	⇒ Coolant pipe with toothed ring	1 ea.
	95813302610	⇒ Seal	1 ea.
		- Intake manifold	
	9A713302601 <sup>1)</sup>	⇒ Seal	2 ea.
		- Intake-air distributor, center	
	PAB13323700 <sup>1)</sup>	⇒ Seal	1 ea.
		- Throttle housing	

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

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

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 litres 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)'*.

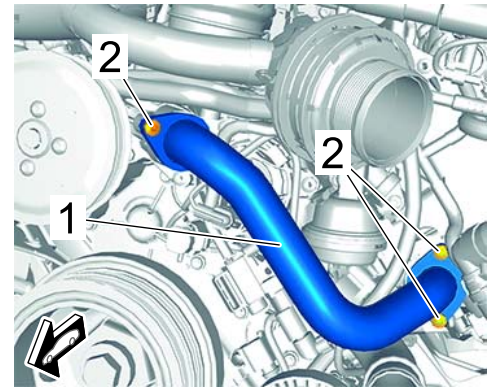
### Replacing coolant pipe on front of cylinder head


**WARNING**

#### 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.
9A713302601	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 litres)

References:   ⇒ *Workshop Manual '193817 Draining and filling coolant (high-temperature cooling system)'*  
                   ⇒ *Workshop Manual '244619 Removing and installing intake-air distributor (V6 Turbo)'*

**Important Notice:** Technical Bulletins issued by Porsche Cars North America, Inc. are intended only for use by professional automotive technicians who have attended Porsche service training courses. They are written to inform those technicians of conditions that may occur on some Porsche vehicles, or to provide information that could assist in the proper servicing of a vehicle. Porsche special tools may be necessary in order to perform certain operations identified in these bulletins. Use of tools and procedures other than those Porsche recommends in these bulletins may be detrimental to the safe operation of your vehicle, and may endanger the people working on it. Properly trained Porsche technicians have the equipment, tools, safety instructions, and know-how to do the job properly and safely. Part numbers listed in these bulletins are for reference only. The work procedures updated electronically in the Porsche PIWIS diagnostic and testing device take precedence and, in the event of a discrepancy, the work procedures in the PIWIS Tester are the ones that must be followed.

© 2019 Porsche Cars North America, Inc.