

# Water Heater

## Thermo Top Evo 4 Parking Heater



## Short-Installation Documentation

Peugeot 308 1.6 D with built-in Webasto parking heater

## Conversion „Inline-“ to „Island based circuit“

### Validity

Manufacturer	Model	Type	EG-BE No. / ABE
Peugeot	308	4	e2 * 2001 / 116 * 0362 * ...

Motorisation	Fuel	Transmission type	Output in kW	Displacement in cm <sup>3</sup>	Engine code
1.6 (HDI 110)	Diesel	SG / AT	82	1560	9HR
1.6 (eHDI 110)	Diesel	SG / AT	82	1560	9HR

SG = Manual transmission  
AT = Automatic transmission

**From Model Year 2011**  
**Left-hand drive vehicle**

**Verified equipment variants:** Manual / automatic air-conditioning system  
Front fog light  
Daytime running lights

**Not verified:** Passenger compartment monitoring

**Total installation time:** approx. 1.5 hours

### Table of Contents

Validity	1	Preliminary Work on the Vehicle	2
Necessary Components	1	Coolant Circuit	3
Information on Total Installation Time	2	Final Work	8
Information on Validity	2	W-bus update for heater	9
Technical Information	2		
Explanatory Notes on Document	2		

### Necessary Components

- Conversion kit Peugeot 308 2011 1.6 Diesel for island based circuit: **1321265A**

# Peugeot 308

## Information on Total Installation Time

The total installation time contains all times required for the assembly and disassembly of vehicle-specific components, the heater-specific installation times and all other times necessary for activities that are required for system integration and initial start-up of the heater.

In case of deviating vehicle equipment variants, the total installation time may deviate as well.

## Information on Validity

This installation documentation applies to Peugeot 308 1.6 Diesel vehicles with Webasto parking heater fitted - for validity, see page 1 - from model year 2011 and later, assuming technical modifications to the vehicle do not affect installation, any liability claims excluded. Depending on the vehicle version and equipment, modifications may be necessary during installation with respect to this installation documentation.

## Technical Information

### Special tools

- Hose clamp pliers for self-clamping hose clamps
- Hose clamp pliers for Clic hose clamps of type W
- Hose clamping pliers
- Webasto Thermo Test Diagnosis with current software

### Dimensions

- All dimensions are in mm

### Tightening torque values

- Tighten other bolt connections in accordance with manufacturer's instructions or in accordance with state-of-the-art-technology.

## Explanatory Notes on Document

Special features are highlighted using the following symbols:

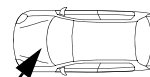
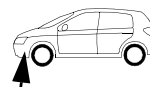
**Reference to general installation instructions of Webasto components or to the manufacturer's vehicle-specific documents.**



**Reference to a special technical feature.**



**The arrow in the vehicle icon indicates the position on the vehicle and the viewing angle.**



## Preliminary Work on the Vehicle

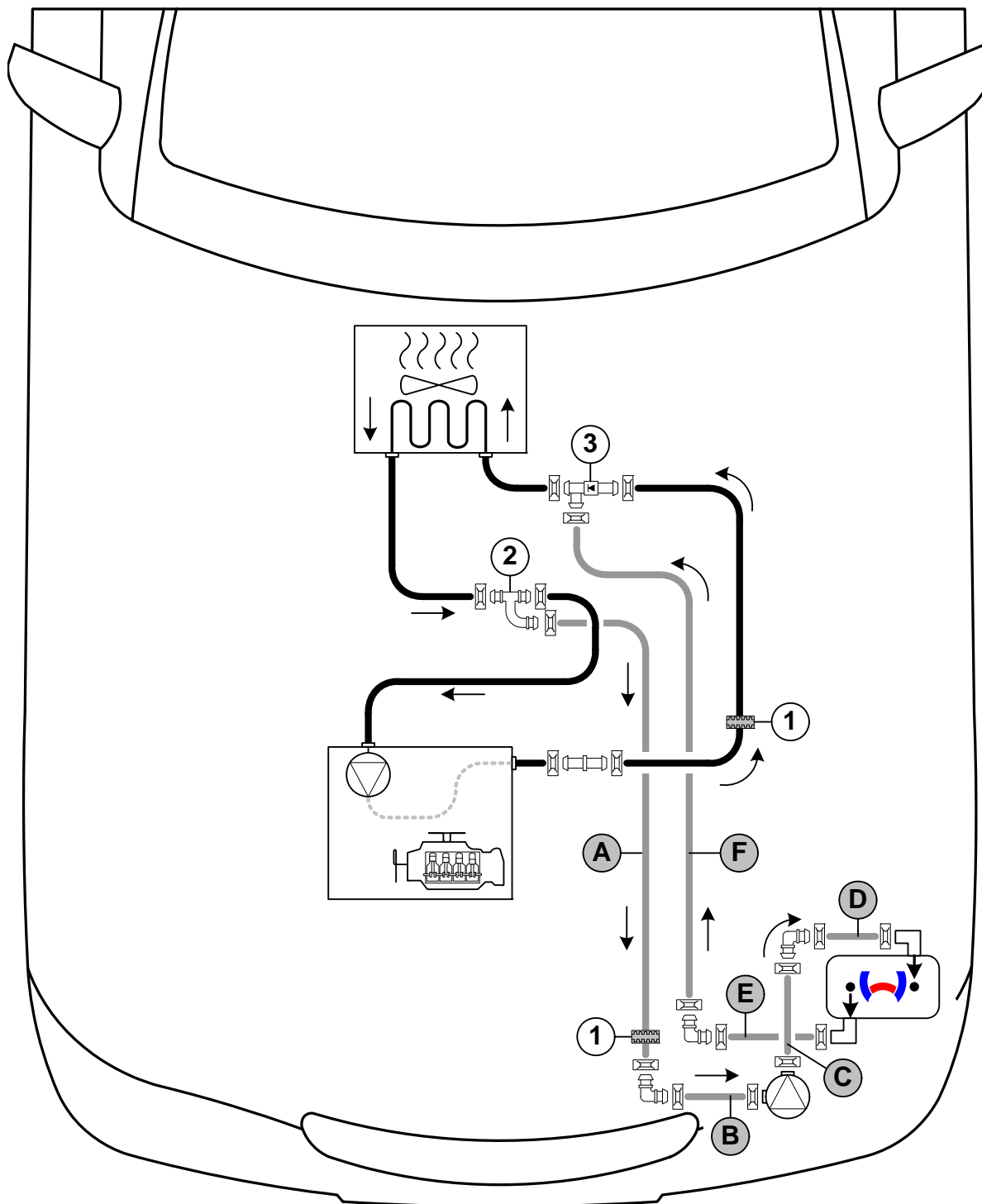
- Disconnect the battery and remove it completely along with the carrier.
- Remove the air filter together with the intake hose.
- Remove the bracket of the air filter (original vehicle bolts will be reused).
- Depressurise the cooling system.



## Coolant Circuit


### WARNING!



Any coolant running off should be collected using an appropriate container. Route hoses so that they are kink-free. Unless specified otherwise, always fasten using cable ties. Position clamps so that no other hose can be damaged. The heater must be filled with coolant when installing the hoses. The connection should have an "island" layout, based on the following diagram:



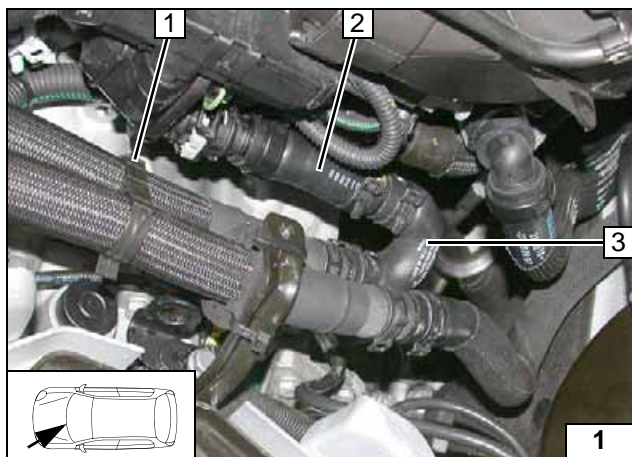
Hose routing diagram

All spring clips  = 25 mm dia. All connecting pipes  and  = 18x18 mm dia.

1 = Black (sw) rubber isolator .

2 = T-piece  18x18x18 mm dia. 3 = check valve  18x18x18 mm dia.



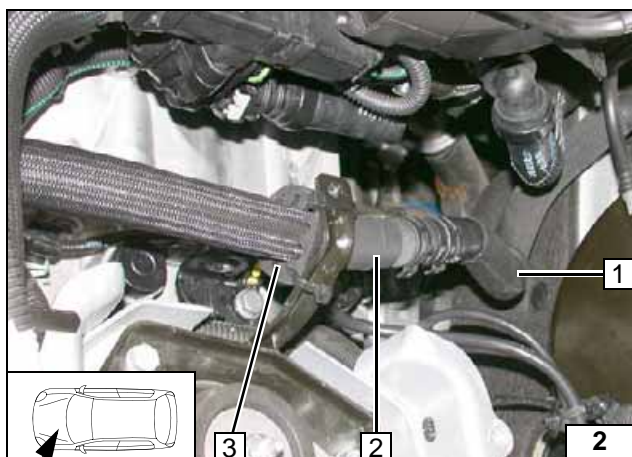


**Preparing installation location**

All spring clips and connecting pipes will be reused!

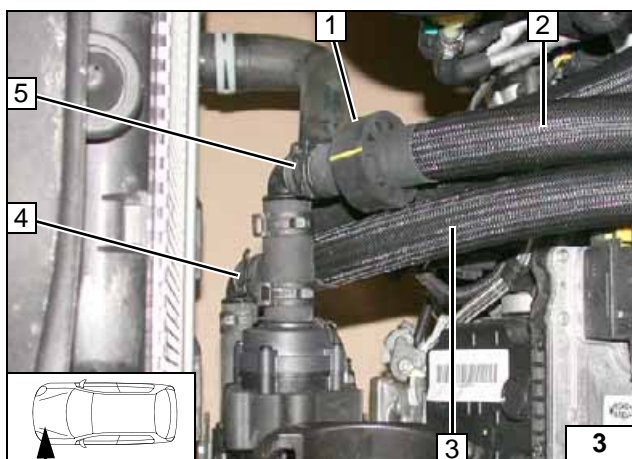
- 1 Remove hose bracket; will be reused
- 2 Hose of engine outlet
- 3 Remove 180° hose elbow; will not be reused

**Removing hose**



- 1 Hose of heat exchanger inlet
- 2 Detach hose
- 3 Remove black (sw) rubber isolator; will be reused; discard cable tie

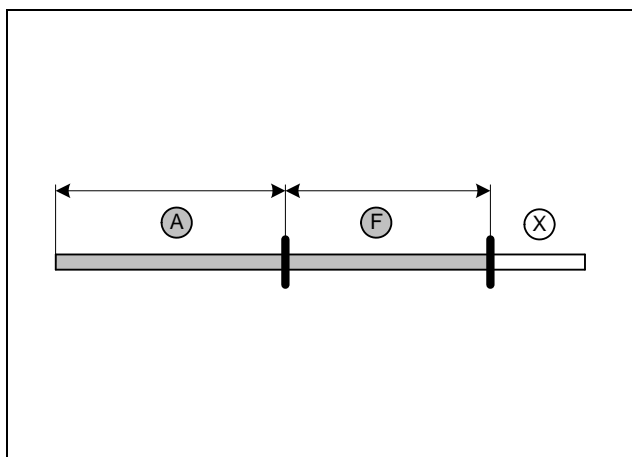
**Detaching connection**



Remove hose 2 at position 5 and hose 3 at position 4. Pull off braided protection hoses; will be reused. Discard 2 and 3!

- 1 Remove black (sw) rubber isolator; will be reused
- 4 Spring clip will be reused
- 5 Spring clip will be reused

**Removing hose**



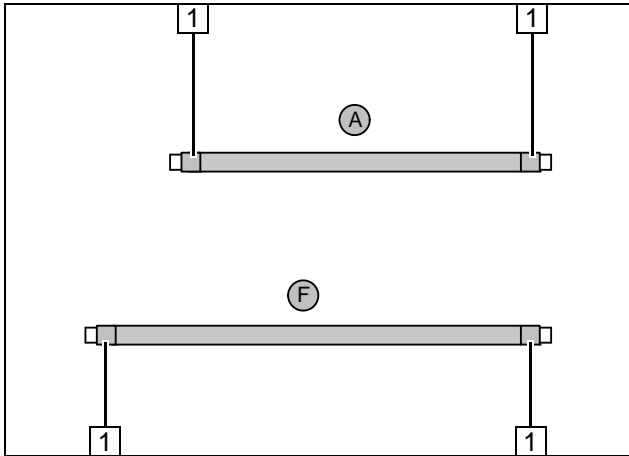
**Preparing hoses**

Discard section X.

- A = 600
- F = 750

**Cutting hoses to length**



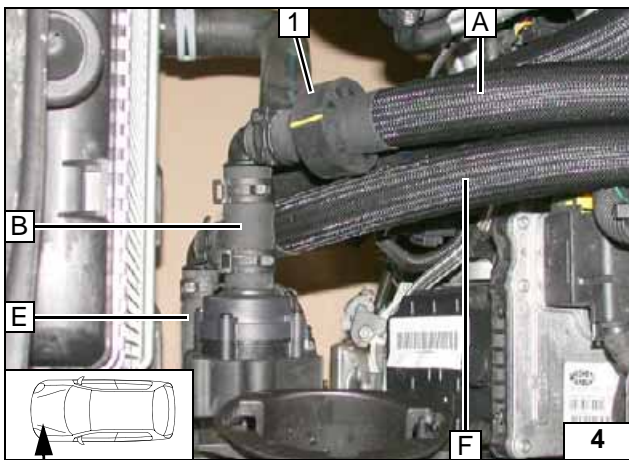


Push braided protection hoses onto hose **A** and **F** and cut to length.  
Cut heat shrink plastic tubing to length.

- 1 50 mm long heat shrink plastic tubing [4x]



**Preparing hoses**

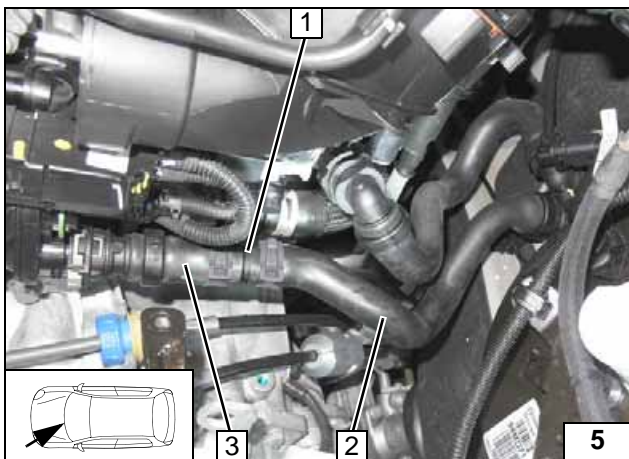


Hose **B** on circulating pump inlet and hose **E** on heater outlet already installed.

- 1 Slide on black (sw) rubber isolator and align

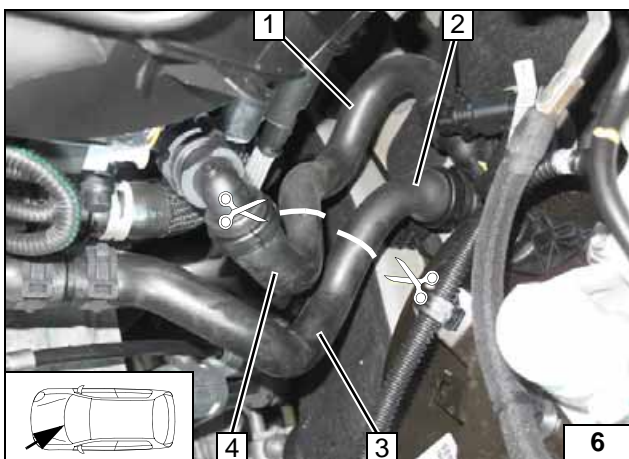


**Connection of circulating pump**



- 1 18x18mm dia. connecting pipe, 25mm spring clip [2x]
- 2 Hose of heat exchanger inlet
- 3 Hose of engine outlet

**Connecting hoses**

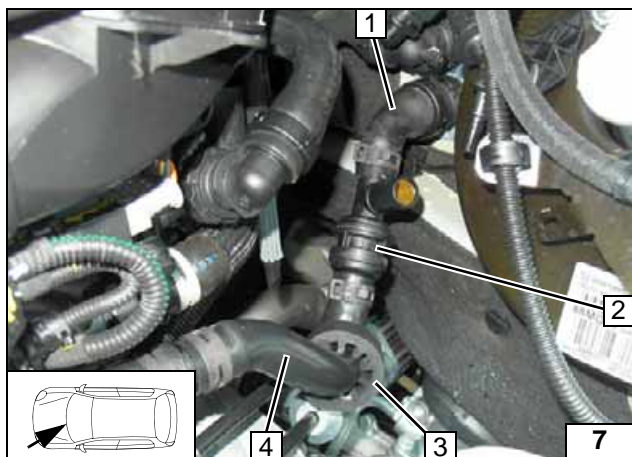


Cut off hose on engine outlet / heat exchanger inlet and hose on engine inlet / heat exchanger outlet at the markings.

- 1 Hose section of heat exchanger outlet
- 2 Hose section of heat exchanger inlet
- 3 Hose section of engine outlet
- 4 Engine inlet hose section



**Cutting point**

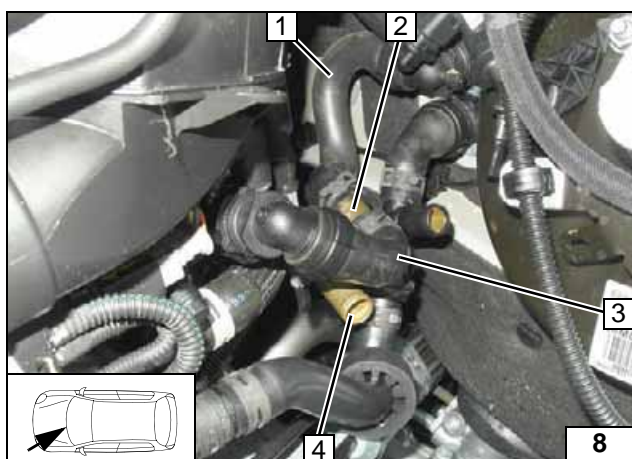


Slide on black (sw) rubber isolator **3** and align with gearshift cable.

- 1 Hose section of heat exchanger inlet
- 2 Check valve
- 4 Hose section of engine outlet



**Installing check valve**

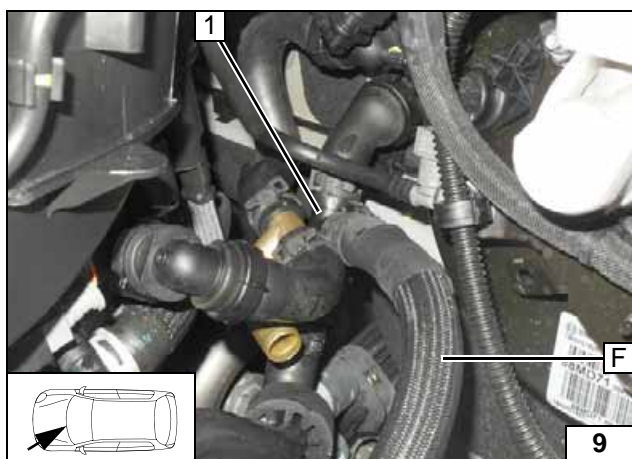


Align 90° connection piece **4** as shown.

- 1 Hose section of heat exchanger outlet
- 2 T-piece
- 3 Engine inlet hose section



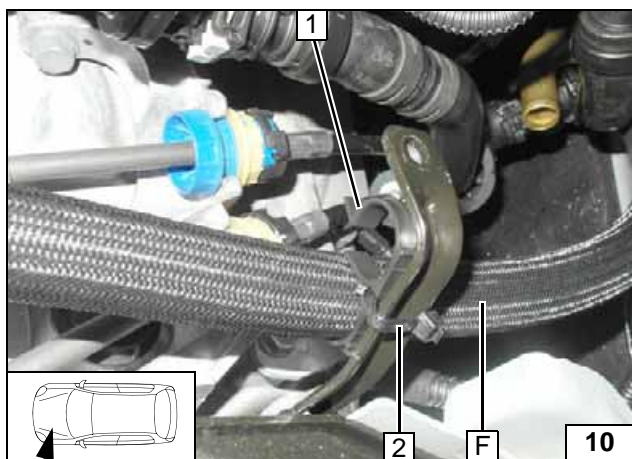
**Installing T-piece**



Install hose **F** on check valve connection piece **1**.



**Installing hose F**

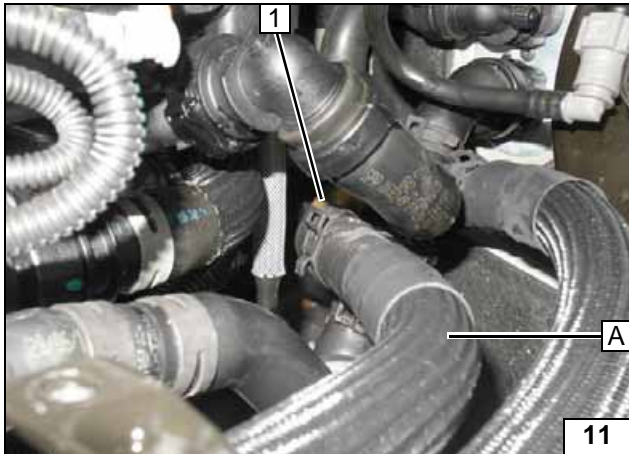


Insert hose **F** into hose bracket **1**.

- 2 Cable tie



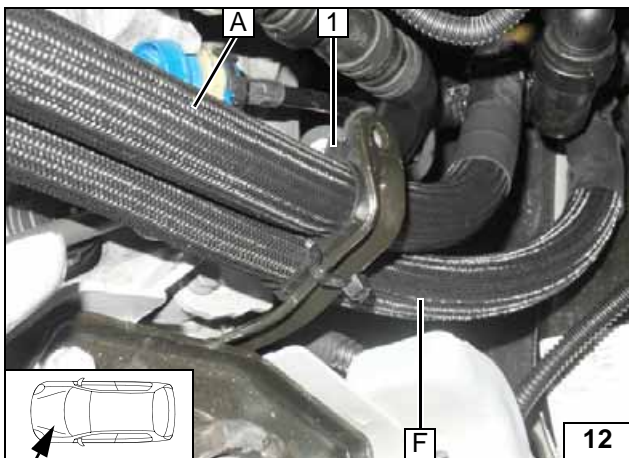
**Routing in engine compartment**



Install hose **A** on T-piece connection piece **1**.



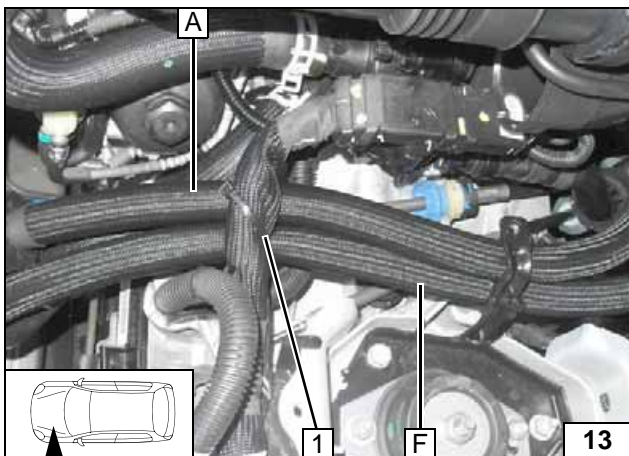
**Installing hose A**



Insert hose **A** into hose bracket **1**.



**Routing in engine compartment**



Ensure sufficient distance from neighbouring components.



**1** Cable tie

**Aligning hoses**



### Final Work

#### WARNING!

Reassemble the disassembled components in reverse order. Check all hoses, clamps and all electrical connections for firm seating. Insulate all loose wires and tie back. Only use manufacturer-approved coolant. Spray the heater components with anti-corrosion wax (Tectyl 100K, Order No. 111329).



- **Connect the battery.**
- **Fill and bleed the coolant circuit according to the vehicle manufacturer's instructions.**
- **Where the 5 kW version of *Thermo Top Evo* is installed, a software update to the 4 kW version of *Thermo Top Evo* should be carried out, following the instructions on the CD supplied.**

