

# Water Heater

Thermo Top Evo Parking Heater

E1 00 0258

With FuelFix

# Installation Documentation Peugeot 308 / 308 SW

## Validity

Manufacturer	Model	Туре	EG BE No. / ABE
Peugeot	308	L	e2 * 2007 / 46 * 0405 *
Peugeot	308 SW	L	e2 * 2007 / 46 * 0405 *

Motorisation	Fuel	Transmission type	Output in kW	Displacement in cm <sup>3</sup>	Engine code
1.2 VTi	Petrol	5-speed SG	60	1199	HM01
1.6 THP	Petrol	6-speed SG	92	1598	5F02
1.6 THP	Petrol	6-speed SG	115	1598	5FVG
1.6 eHDi	Diesel	6-speed SG	85	1560	9H05
1.6 eHDi	Diesel	6-speed AG	85	1560	9HCG
2.0 GT Blue HDi FaAP	Diesel	AG	133	1997	AH01

SG = manual transmission

AG = automatic transmission

From model year 2014 Left-hand drive vehicle

Verified equipment variants:	Automatic air-conditioning
	Front fog lights
	Start-Stop
	LED daytime running lights
	Full LED headlight
	Euro 6 (2.0 GT)
Not verified:	Manual air-conditioning
	Passenger compartment monitoring
	Headlight washer system
Total installation time:	approx. 8.5 hours

## Peugeot 308 / 308 SW

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## **Necessary Components**

- Basic delivery scope for Thermo Top Evo according to price list
- Installation kit with FuelFix for Peugeot 308 / 308 SW 2014 Petrol and diesel: 1321756F
- · Heater control in accordance with price list and upon consultation with end customer
- To be ordered additionally in case of MultiControl CAR option: Wiring harness extension 1319724\_
- In case of Telestart, indicator lamp in accordance with price list and in consultation with end customer

## Installation instructions:

- Arrange for the vehicle to be delivered with the tank only about 1/4 full.
- The installation location of the push button in case of Telestart or ThermoCall should be confirmed with the end customer.
- Depending on the space required and the vehicle manufacturer's instructions, we recommend the use of a vehicle battery with a higher electrical capacity.

## Installation Overview

## Legend:

- 1. Heater
- 2. Engine compartment fuse holder
- **3**. Passenger compartment relay and fuse holder
- 4. PWM Gateway
- 5. Relay K2
- 6. Circulating pump
- 7. MultiControl CAR
- 8. Metering pump
- 9. FuelFix

# 

## Information on Total Installation Time

The total installation time includes the time needed for mounting and demounting the vehicle-specific components, the heater specific installation time and all other times required for the system integration and initial start-up of the heater. The total installation time may vary for vehicle equipment other than provided.

## Information on Operating and Installation Instructions

#### 1 Important information (not complete)

#### 1.1 Installation and repair

The improper installation or repair of Webasto heating and cooling systems can cause fire or the leakage of deadly carbon monoxide, leading to serious injury or death.



To install and repair Webasto heating and cooling systems you need to have completed a special company training course and have the appropriate technical documentation, special tools and special equipment.

Installation and repair may ONLY be carried out by persons trained and certified in a Webasto training course. NEVER try to install or repair Webasto heating or cooling systems if you have not completed a Webasto training course, you do not have the necessary technical skills and you do not have the technical documentation, tools and equipment available to ensure that you can complete the installation and repair work properly.

Only use genuine Webasto parts. See the Webasto air and water heaters accessories catalogue for this purpose.

#### 1.2 Operation

To ensure safe operation, we recommend having the heater checked every two years by an authorised Webasto dealer, especially when used over a long period and/or under extreme environmental conditions.

Do not operate the heater in closed rooms due to the danger of poisoning and suffocation.

Always switch off the heater before refuelling.

The heater may only be used with the prescribed fuel diesel (DIN EN 590) or petrol (DIN EN 228).

The heater may not be cleaned with a high-pressure cleaner.

#### 1.3 Please note

ALWAYS follow all Webasto installation and operating instructions and observe all warnings.

To become familiar with and understand all functions and properties of the heater, the operating instructions must be read carefully and observed at all times.

For proper, safe installation and repair work, the installation instructions with all warnings and safety information must be carefully read and observed at all times. Please always contact a workshop authorised by Webasto for all installation and repair work.

#### Important

Webasto shall assume no liability for defects, damage and injuries resulting from a failure to observe the installation, repair and operating instructions of the information contained in them.

This liability exclusion particularly applies to improper installations and repairs, installations and repairs by untrained persons or in the case of a failure to use genuine spare parts.

The liability due to culpable disregard to life, limb or health and due to damage or injuries caused by a wilful or reckless breach of duty remain unaffected, as does the obligatory product liability.

Installation should be carried out according to the general, standard rules of technology. Unless specified otherwise, fasten hoses, lines and wiring harnesses or original vehicle lines and wiring harnesses using cable ties. Insulate loose wire ends and the back. Connectors on electronic components must audibly snap into place during assembly.

Sharp edges should be fitted with rub protection. Spray unfinished body areas, e.g. drilled holes, with anti-corrosion wax (Tectyl 100K).

Observe the instructions and guidelines of the respective vehicle manufacturer for demounting and mounting vehicle specific components!

The initial startup is to be executed with the Webasto Thermo Test Diagnosis.

When installing a programmable control module (e.g. a PWM Gateway), the corresponding settings must be checked or adjusted.

#### 2 Statutory regulations governing installation

Guidelines	Thermo Top Evo	
Heating Directive ECE R122	E1 00 0258	
EMC Directive ECE R10	E1 04 5627	

#### Note

The regulations of these guidelines are binding in the scope of the Directive 70/156/EEC and/or 2007/46/EC (for new vehicle models from 29/04/2009) and should also be observed in countries in which there are no special regulations.

#### Important

Failure to follow the installation instructions will result in the invalidation of the type approval for the heater and therefore invalidation of the general **homologation of the vehicle**.

#### Note

The heater is licensed in accordance with paragraph 19, section 3, No. 2b of the StV-ZO (German Road Traffic Licensing Authority).

## 2.1 Excerpt from ECE regulation 122 (heating system) paragraph 5 for the installation of the heater

Beginning of excerpt.

#### **ANNEX VII**

#### REQUIREMENTS FOR COMBUSTION HEATERS AND THEIR INSTALLATION

#### 1. GENERAL REQUIREMENTS

1.7.1. A clearly visible tell-tale in the operator's field of view shall inform when the combustion heater is switched on or off.

#### VEHICLE INSTALLATION REQUIREMENTS

#### 2.1. Scope

2.

- 2.1.1. Subject to paragraph 2.1.2. combustion heaters shall be installed according to the requirements of this Annex.
- 2.1.2. Vehicles of category O having liquid fuel heaters are deemed to comply with the requirements of this Annex.

#### 2.2. Positioning of heater

- 2.2.1. Body sections and any other components in the vicinity of the heater must be protected from excessive heat and the possibility of fuel or oil contamination.
- 2.2.2. The combustion heater shall not constitute a risk of fire, even in the case of overheating. This requirement shall be deemed to be fulfilled if the installation ensures an adequate distance to all parts and suitable ventilation, by the use of fire resistant materials or by the use of heat shields.
- 2.2.3. In the case of M2 and M3 vehicles, the heater must not be positioned in the passenger compartment. However, an installation in an effectively sealed envelope which also complies with the conditions in paragraph 2.2.2 may be used.
- 2.2.4. The label referred to in paragraph 1.4 or a duplicate, must be positioned so that it can be easily read when the heater is installed in the vehicle.
- 2.2.5. Every reasonable precaution should be taken in positioning the heater to minimise the risk of injury and damage to personal property.

#### 2.3. Fuel supply

- 2.3.1. The fuel filler must not be situated in the passenger compartment and must be provided with an effective cap to prevent fuel spillage.
- 2.3.2. In the case of liquid fuel heaters, where a supply separate to that of the vehicle is provided, the type of fuel and its filler point must be clearly labelled.
- 2.3.3. A notice, indicating that the heater must be shut down before refuelling, must be affixed to the fuelling point. In addition a suitable instruction must be included in the manufacturer's operating manual.

#### 2.4. Exhaust system

2.4.1. The exhaust outlet must be located so as to prevent emissions from entering the vehicle through ventilators, heated air inlets or opening windows.

#### 2.5. Combustion air inlet

- 2.5.1. The air for the combustion chamber of the heater must not be drawn from the passenger compartment of the vehicle.
- 2.5.2. The air inlet must be so positioned or guarded that blocking by rubbish or luggage is unlikely.

#### 2.6. Heating air inlet

- 2.6.1. The heating air supply may be fresh or recirculated air and must be drawn from a clean area not likely to be contaminated by exhaust fumes emitted either by the propulsion engine, the combustion heater or any other vehicle source.
- 2.6.2. The inlet duct must be protected by mesh or other suitable means.

#### 2.7. Heating air outlet

- 2.7.1. Any ducting used to route the hot air through the vehicle must be so positioned or protected that no injury or damage could be caused if it were to be touched.
- 2.7.2. The air outlet must be so positioned or guarded that blocking by rubbish or luggage is unlikely.

End of excerpt.

In multilingual versions the German language is binding.

## Peugeot 308 / 308 SW

## Information on Validity

This installation documentation applies to Peugeot 308 / 308 SW Petrol and diesel vehicles - for validity see page 1 - from model year 2014 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'.

Vehicle and engine types, equipment variants and other specifications not listed in this installation documentation have not been tested. However, installation according to this installation documentation may be possible.

## **Technical Information**

#### **Special Tools**

- · Hose clamp pliers for auto-tightening hose clamps
- Hose clamp pliers for Clic hose clamps of type W
- Automatic wire stripper, 0.2 6mm<sup>2</sup>
- Crimping pliers for cable lug / tab connector, 0.5 6mm<sup>2</sup>
- Torque wrench for 2.0 10 Nm
- Hose clamping pliers
- Metric thread-setter kit
- Deep-hole marker
- Webasto Thermo Test Diagnosis with current software

#### Dimensions

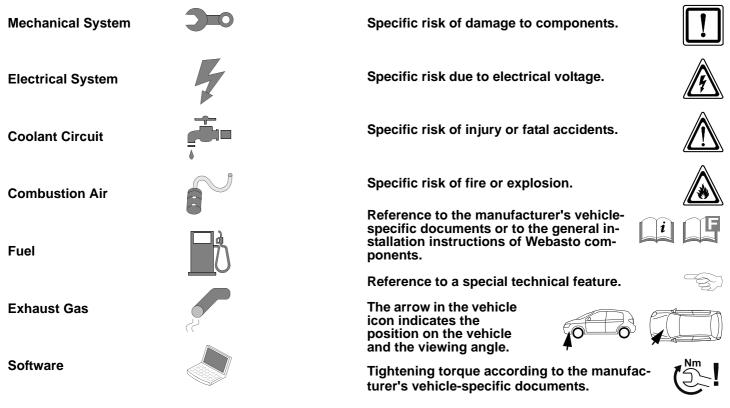
All dimensions are in mm.

#### **Tightening torque values**

- Tightening torque values of 5x13 heater bolts and 5x11 heater stud bolts = 8Nm.
- Tightening torque value of 5x15 water connection piece retaining plate bolt = 7Nm.
- Tighten other bolt connections in accordance with manufacturer's instructions or in accordance with state-of-the-art-technology.

## **Explanatory Notes on Document**

You will find an identification mark on the outside top right corner of the page in question to provide you with a quick overview of the individual working steps. Special features are highlighted using the following symbols:



Ident. No.: 1321757G\_EN

## **Preliminary Work**

#### Vehicle

- Open the fuel tank cap.
- Ventilate the fuel tank.
- Close the fuel tank cap again.
- Depressurise the cooling system.
- Remove the windscreen wipers.Remove the coolant reservoir cap.
- Remove the cool cover on the engine side.
- Detach the engine control unit.
- Disconnect and remove the battery completely together with the carrier.
- Remove the air filter box completely.
- Remove the left front wheel.
- Remove the left-hand wheel well trim.
- Remove the lower engine cover (if present).
- Remove the underride protection in front of the tank on the right rear side.
- Remove the A-pillar trim on the driver's side (only in case of Telestart / ThermoCall).
- Remove the lower instrument panel trim on the driver's side.
- Remove the steering column trim and footwell trim next to the accelerator pedal.
- Remove the A/C control unit (see installation aid).
- Remove the rear bench seat (all vehicles except for SW models).
- Detach the rear bench seat on the left and fold up (see installation aid for SW models).
- Open the tank-fitting service lid.

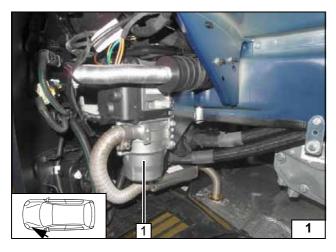
#### Heater

- Remove years that do not apply from the type and duplicate label.
- Attach the duplicate label (type label) visibly in the appropriate place in the engine compartment.



*i* ]

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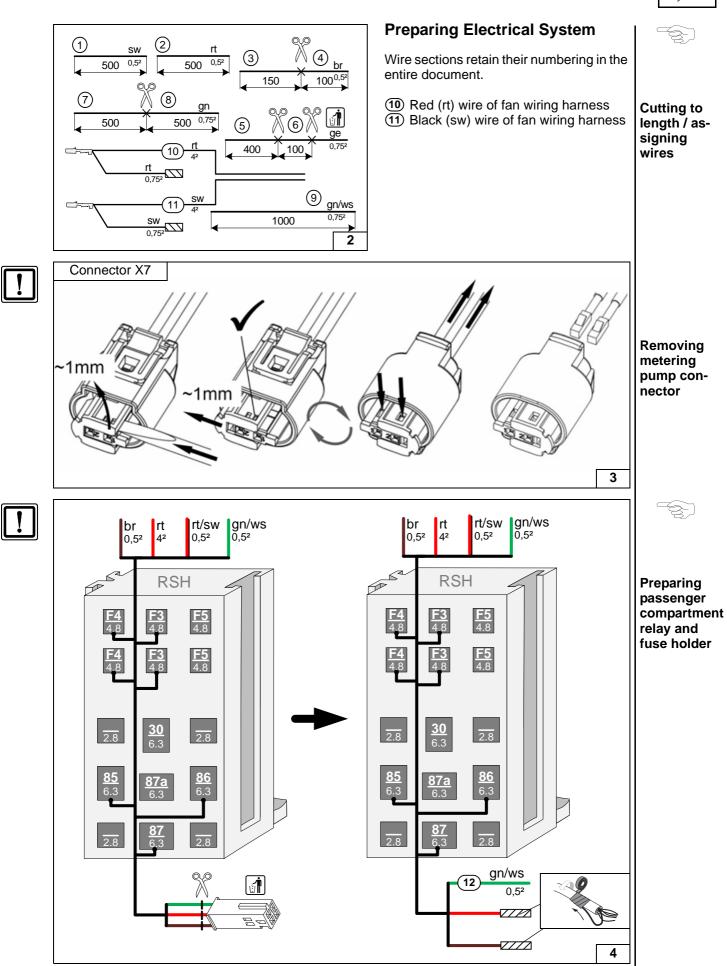


## Heater Installation Location

1 Heater

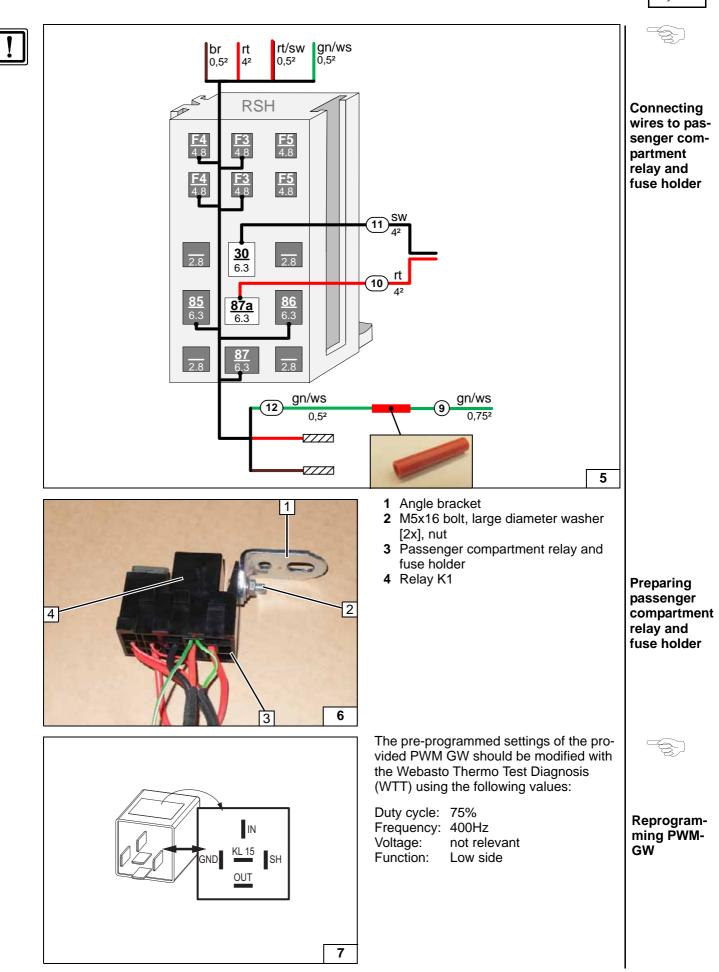
Installation location





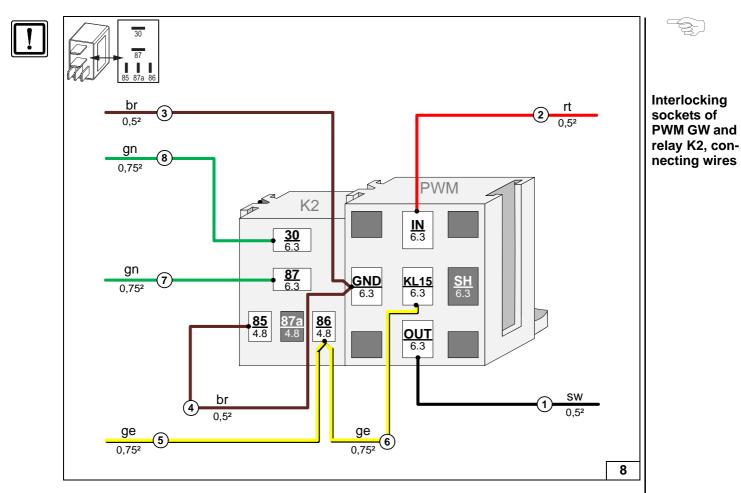
Peugeot 308 / 308 SW



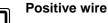


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## **Electrical System**



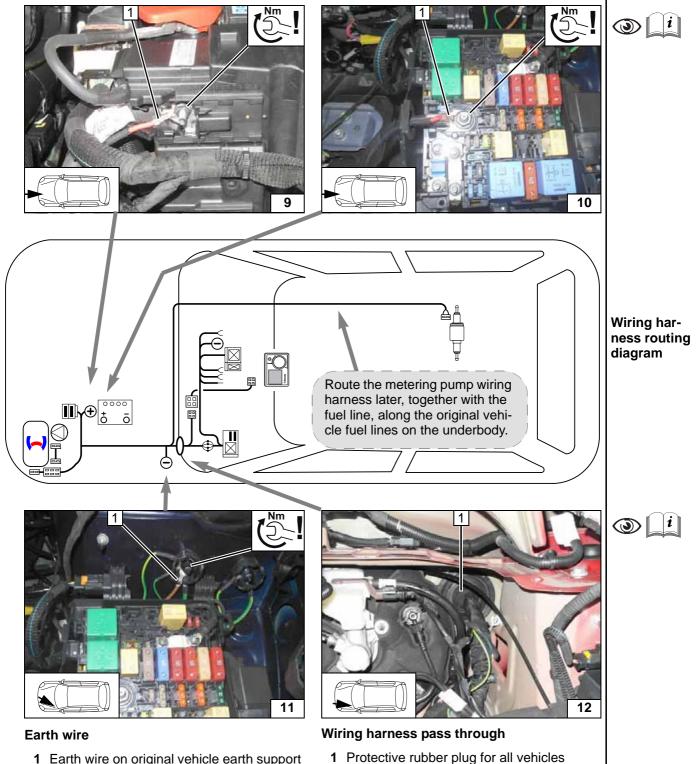
Version 1

1 Positive wire on original vehicle positive distributor Positive wire

## Version 2

Only possible, if power on the positive side (30+) is constant and doesn't switch on or off after a 2 minute time-delay!

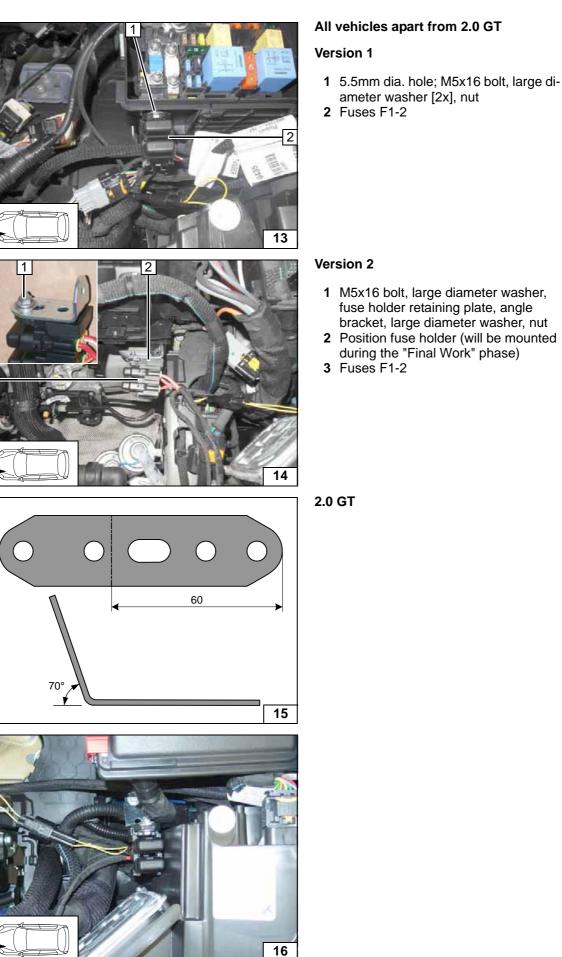
**1** Positive wire on original vehicle positive distributor



1 Earth wire on original vehicle earth support point, all vehicles

3





Installing en-gine compartment fuse holder

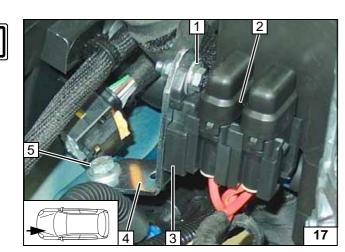
- 1 M5x16 bolt, large diameter washer, fuse holder retaining plate, angle bracket, large diameter washer, nut
- 2 Position fuse holder (will be mounted during the "Final Work" phase)

Positioning engine compartmentfuse holder

Preparing perforated bracket

View of engine compartment fuse holder

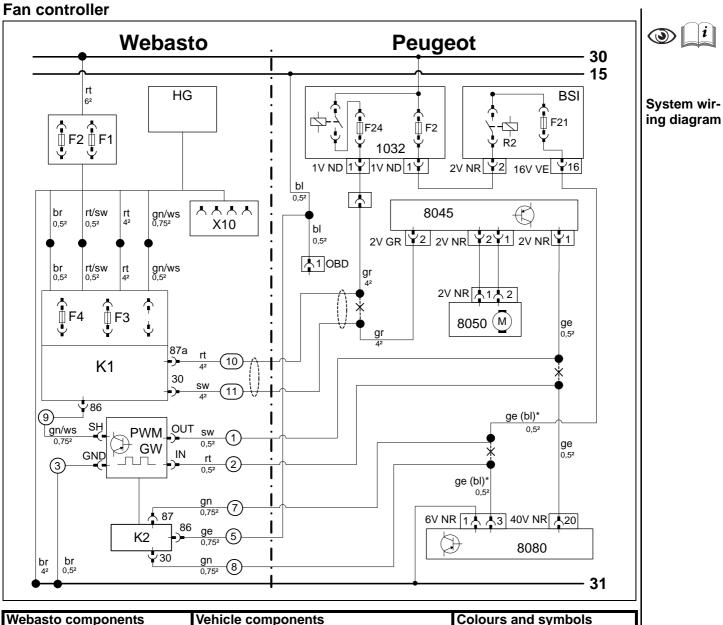




- 3 4	M5x16 bolt, large diameter washer [2x], nut Fuses F1-2 Retaining plate of fuse holder Perforated bracket 5.5mm dia. hole; M5x16 bolt, large di- ameter washer [2x], nut	Installing en- gine compart- ment fuse holder
- 3 4	Fuses F1-2 Retaining plate of fuse holder Perforated bracket 5.5mm dia. hole; M5x16 bolt, large di-	gine compart- ment fuse

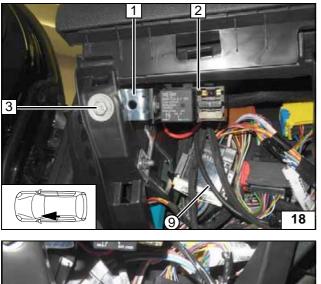


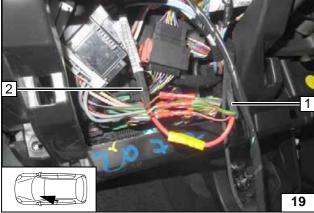
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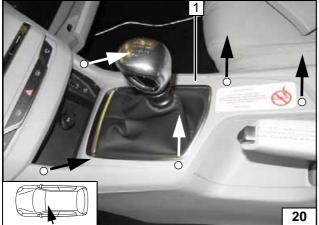


Webasto components				Colo	Colours and symbols	
HG	TT-Evo heater	1032	Main power supply	rt	red	
F1	20A fuse	F24	Fuse	SW	black	
F2	30A fuse	F2	Fuse	ge	yellow	
X10	4-pin connector of	1V ND	1-pin connector 1032	gn	green	┨.
	heater control	BSI	Central electrical box for passenger compartment	WS	white	Lege
F3	1A fuse	R2	Relay	br	brown	
F4	25A fuse	F21	Fuse	gr	grey	
K1	Fan relay	2V NR	2-pin connector of BSI	bl	blue	
PWM	PWM-Gateway	16V VE	16-pin connector of BSI			
GW		8045	Fan controller			
K2	Additional relay	2V GR	2-pin connector 8045			
		2V NR	2-pin connector 8045			
		OBD	OBD socket outlet			
PWM-GW settings: 8050		Fan motor				
Duty cycle: 75% 2V		2V NR	2-pin connector 8050			
Frequency: 400Hz		8080	A/C control unit	*	Wiring colours may	
Voltage: not relevant		6V NR	6-pin connector 8080		vary.	
Function: Low side		40V NR	40-pin connector 8080	Х	Cutting point	





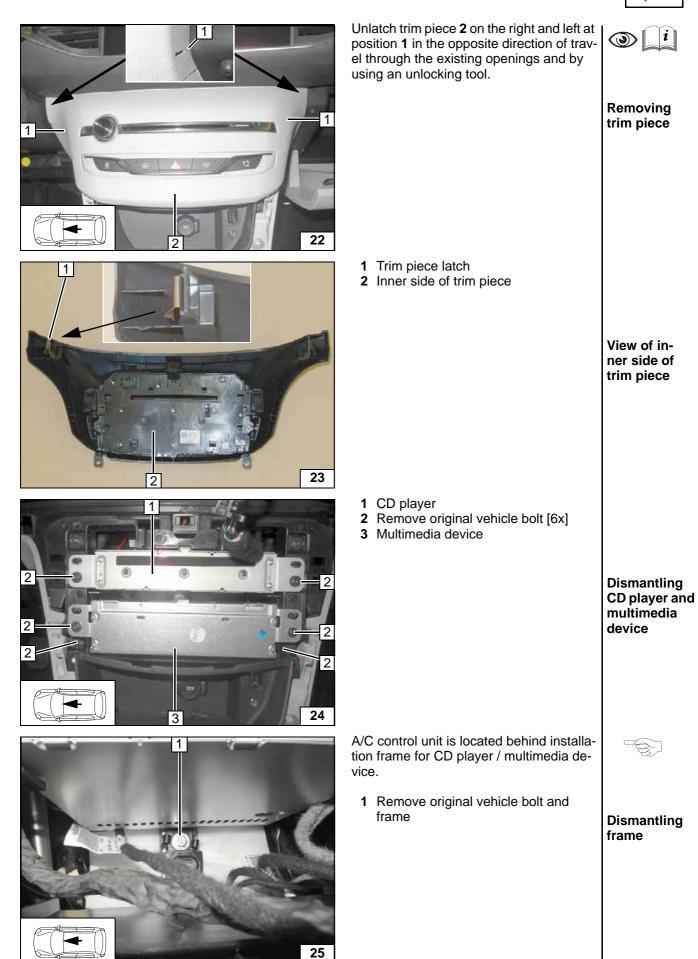






Produce all following electrical connec- tions as shown in the wiring diagram.	
Route green/white (gn/ws) wire <b>9</b> of K1/86 in protective sleeving behind the in- strument panel trim to the front passen- ger's side.	Installing passenger
<ol> <li>Premounted angle bracket</li> <li>Passenger compartment relay and fuse holder</li> <li>6.5mm dia. hole; M6x25 bolt, large di- ameter washer, 10 mm shim, flanged nut</li> </ol>	compartment relay and fuse holder
<ol> <li>Heater wiring harness</li> <li>Passenger compartment relay and fuse holder wiring harness</li> </ol>	
	Connecting same colour wires of wir- ing harness- es
Installation Aid for A/C Control Unit	
	Removing trim of centre console
<b>Unit</b> Remove trim <b>1</b> in the rear area by pulling upwards, then remove as a whole in the opposite direction of travel (clipped on).	trim of centre
Unit Remove trim 1 in the rear area by pulling upwards, then remove as a whole in the opposite direction of travel (clipped on). • Fastening points	trim of centre





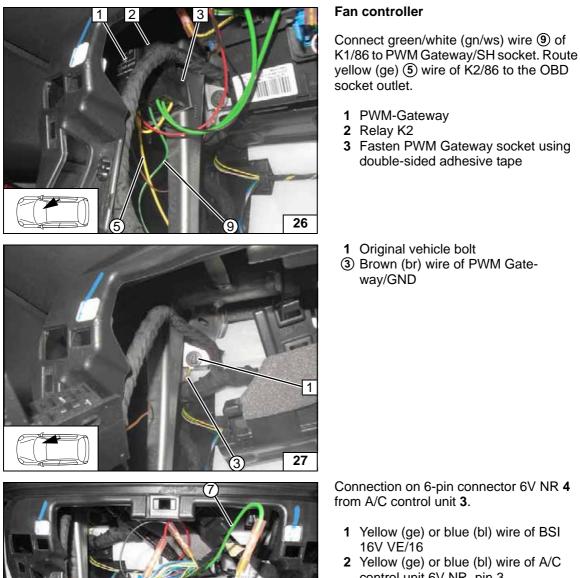


Installing relay K2 and

**PWM GW** 

Earth connection of **PWM Gate-**

way



Connection on 6-pin connector 6V NR 4 from A/C control unit 3.

- 1 Yellow (ge) or blue (bl) wire of BSI 16V VE/16
- 2 Yellow (ge) or blue (bl) wire of A/C control unit 6V NR, pin 3
- ⑦ Green (gn) wire of K2/87
- (8) Green (gn) wire of K2/30

Connection on blue (bl) 40-pin connector 40V NR Part 1 2 of A/C control unit.

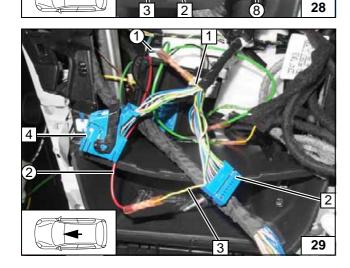
- 1 Yellow (ge) wire of fan controller 2V NR, pin 1
- 3 Yellow (ge) wire of A/C control unit 40V NR, pin 20
- 4 40-pin connector of A/C control unit (disassembled)
- 1 Black (sw) wire of PWM Gateway/OUT
- 2 Red (rt) wire of PWM Gateway/IN



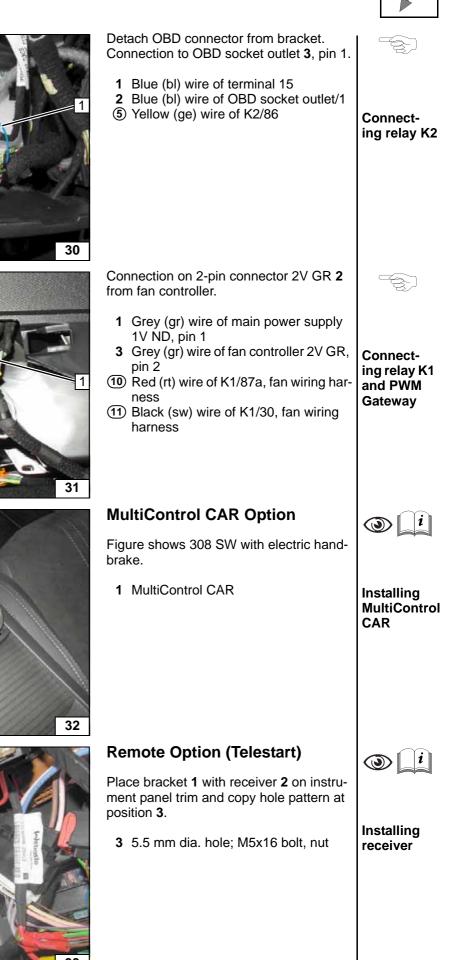
Connect-

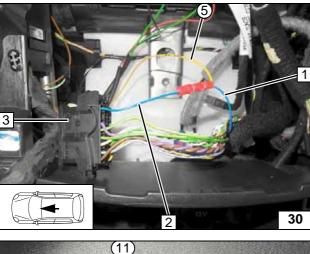
ing relay K2

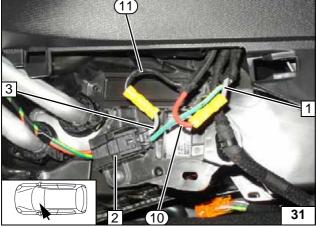
Connecting PWM Gateway





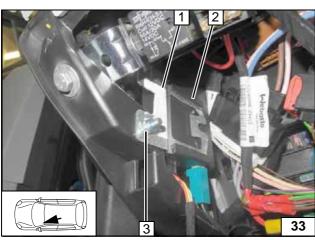








!





Installing aerial

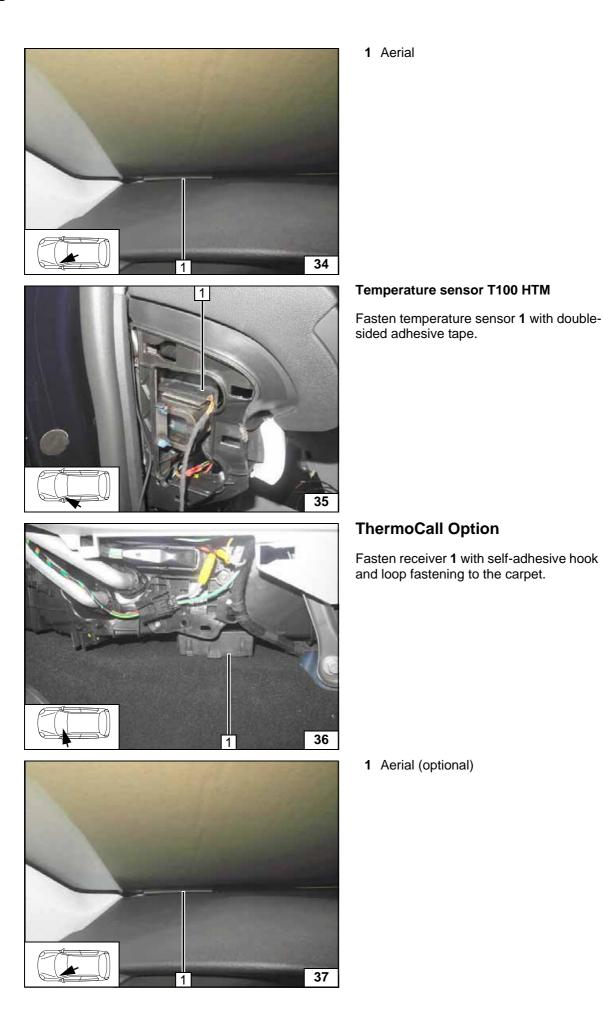
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<u>i</u>

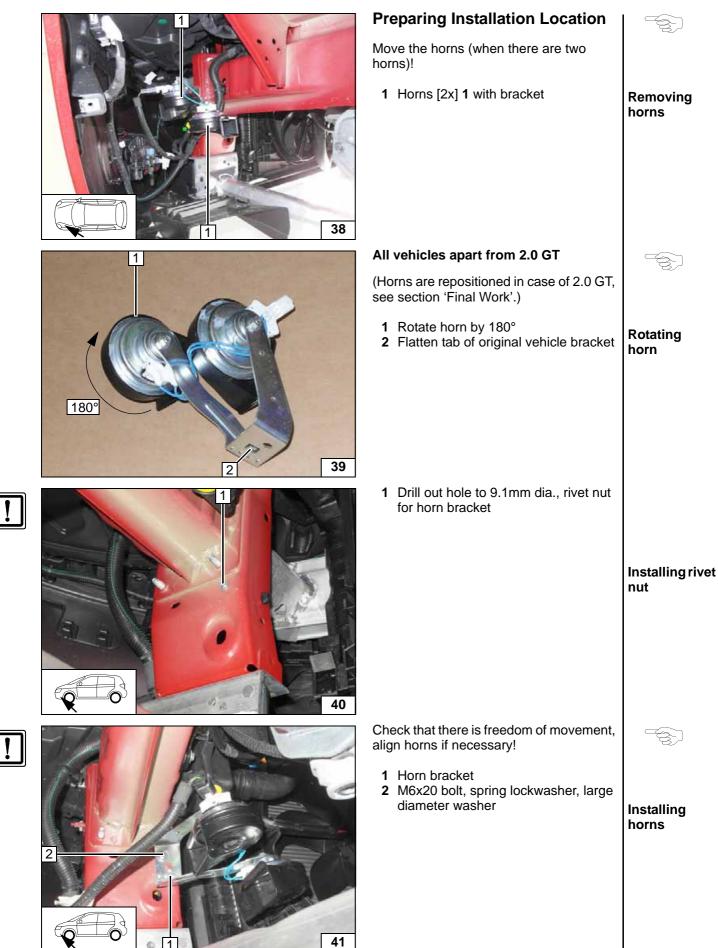
Installing receiver

Installing aerial

Installing temperature sensor

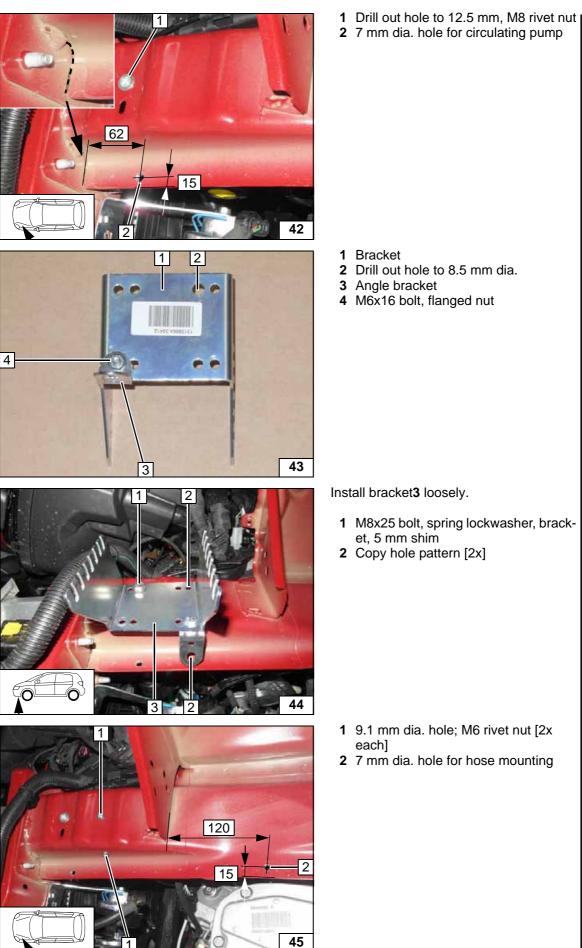






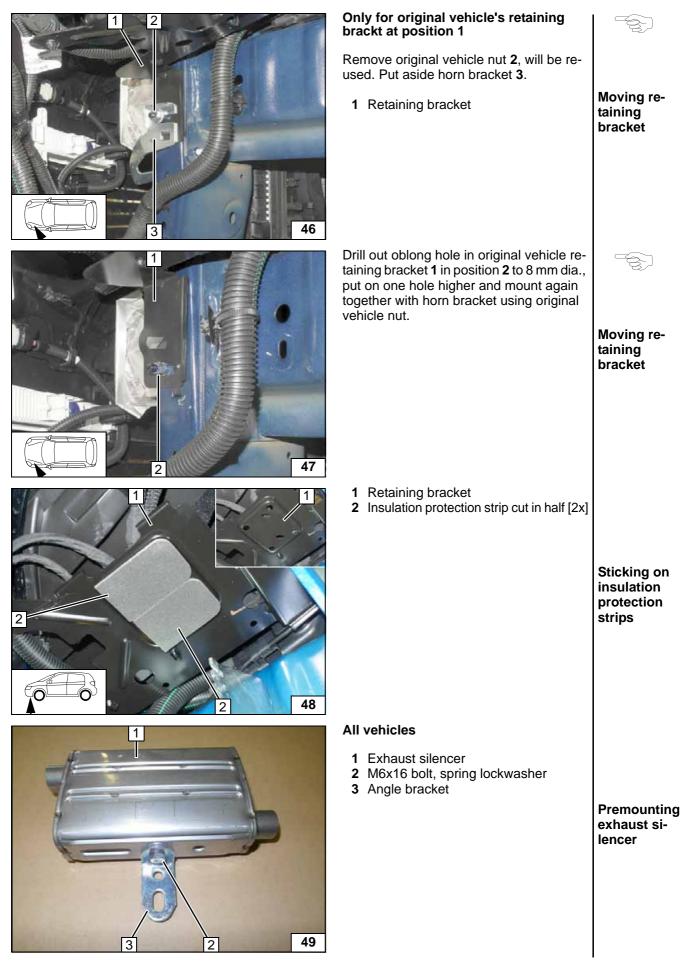




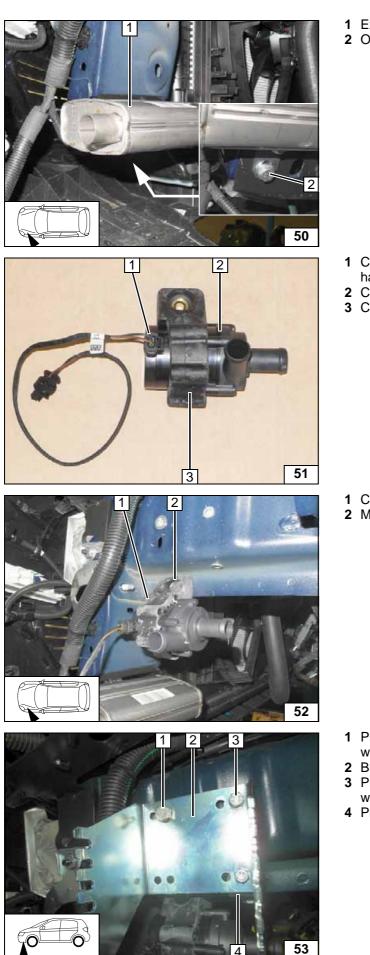


Installing rivet nut M8 2 Drill out hole to 8.5 mm dia. Preparing . bracket 1 M8x25 bolt, spring lockwasher, brack-Copying hole pattern 1 9.1 mm dia. hole; M6 rivet nut [2x 2 7 mm dia. hole for hose mounting Inserting M6 rivet nut



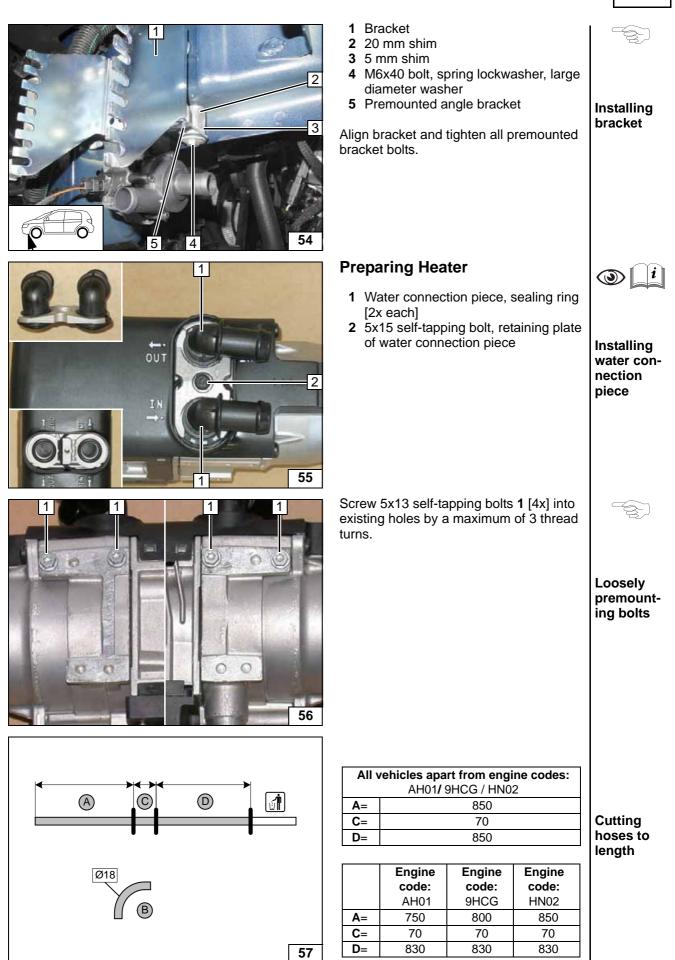




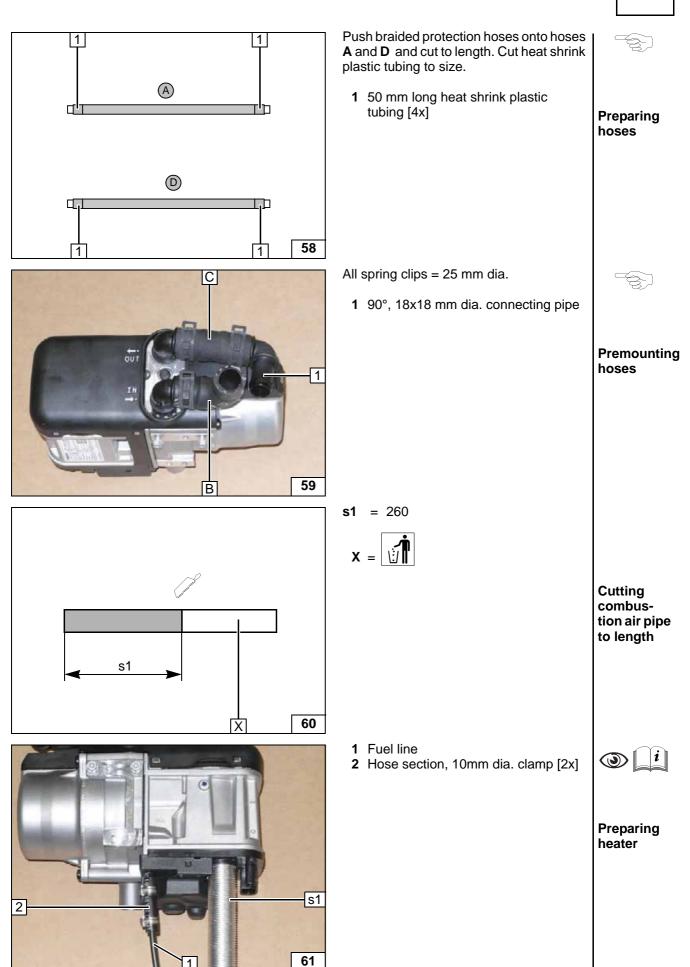


	L
Exhaust silencer Original vehicle bolt	Installing ex- haust silenc- er
Connector of circulating pump wiring harness Circulating pump Circulating pump mount	Premount- ing circulat- ing pump
Circulating pump mount M6x25 bolt, flanged nut	Installing circulating pump
Premount M8x25 bolt, spring lock- washer, 5 mm shim loosely Bracket Premount M6x25 bolt, spring lock- washer, 5 mm shim loosely Premounted angle bracket	Installing bracket

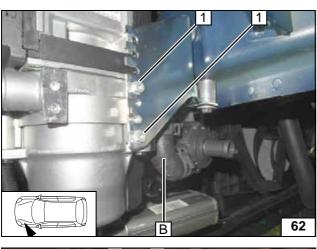


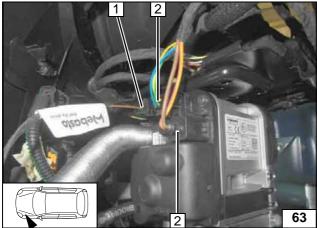






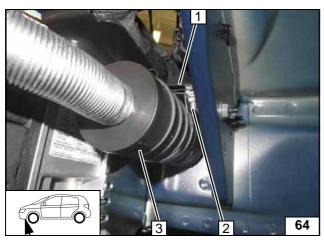


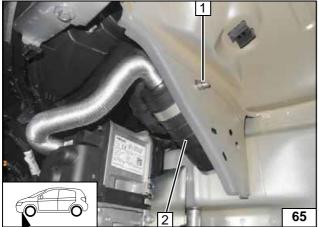




Installing Heater	-3
Connect hose <b>B</b> with 25 mm dia. spring clip to circulating pump.	
<ol> <li>Tighten 5x13 self-tapping bolt [4x] (the 2 front bolts are covered)</li> </ol>	Installing heater
<ol> <li>Connector of circulating pump wiring harness</li> <li>Heater wiring harness connector [2x]</li> </ol>	
	Installing wiring har- nesses







## **Combustion Air**

### Version 1

- 1 Original vehicle retaining bracket (if present)
- 2 M5x16 bolt, large diameter washer, original vehicle hole, 51 mm dia. clamp, flanged nut
- 3 Silencer

## Version 2

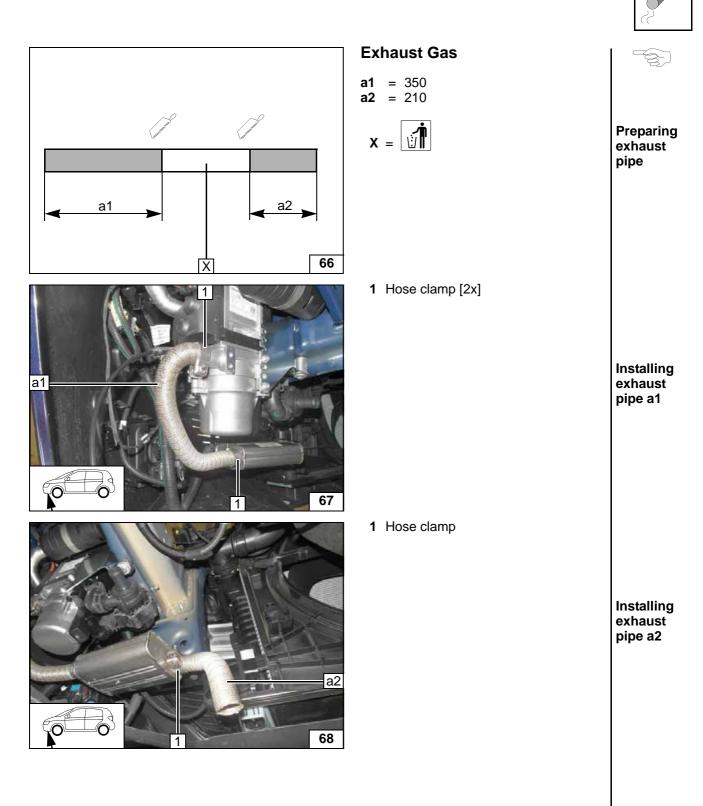
- M5x16 bolt, large diameter washer, existing hole, 51 mm dia. clamp, flanged nut
   Silencer



Installing silencer



Installing silencer



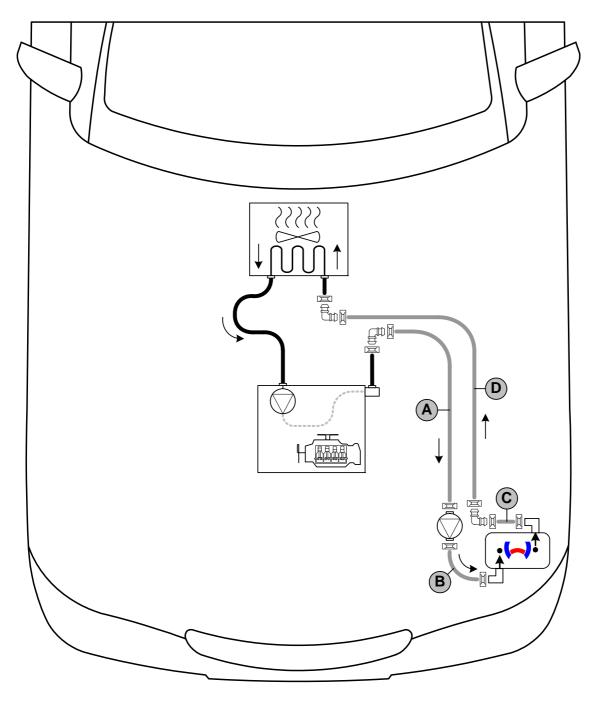


## **Coolant Circuit**



Any coolant running off should be collected in an appropriate container. Route hoses kink-free. Unless specified otherwise, always fasten using cable ties. Position clamps so that other hoses cannot be damaged. The heater must be filled with coolant when installing the hoses.

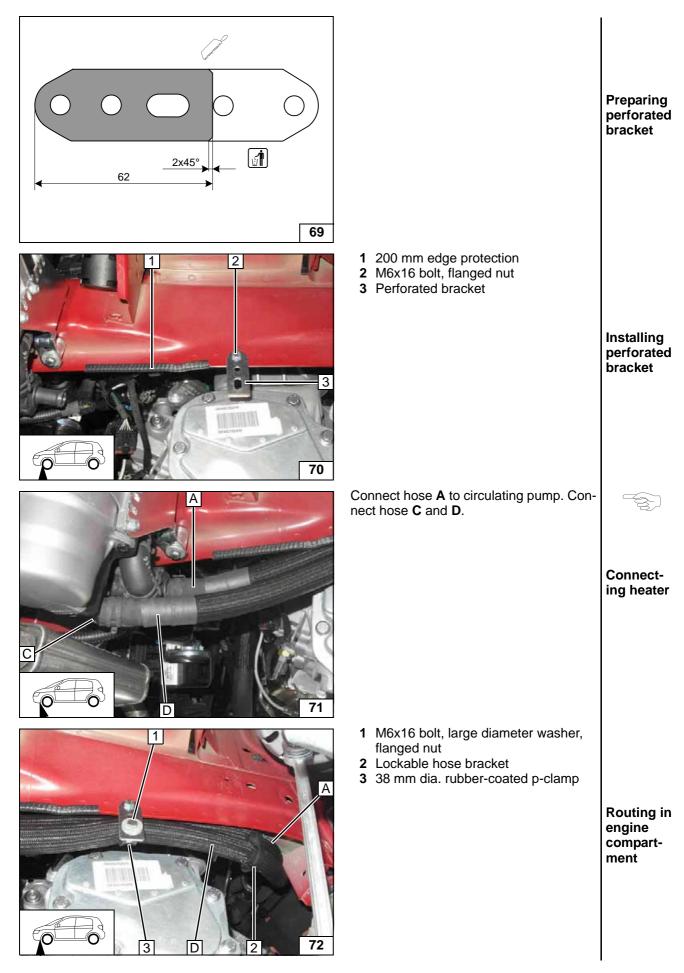
The connection should be modelled on an 'inline' circuit and based on the following diagram:



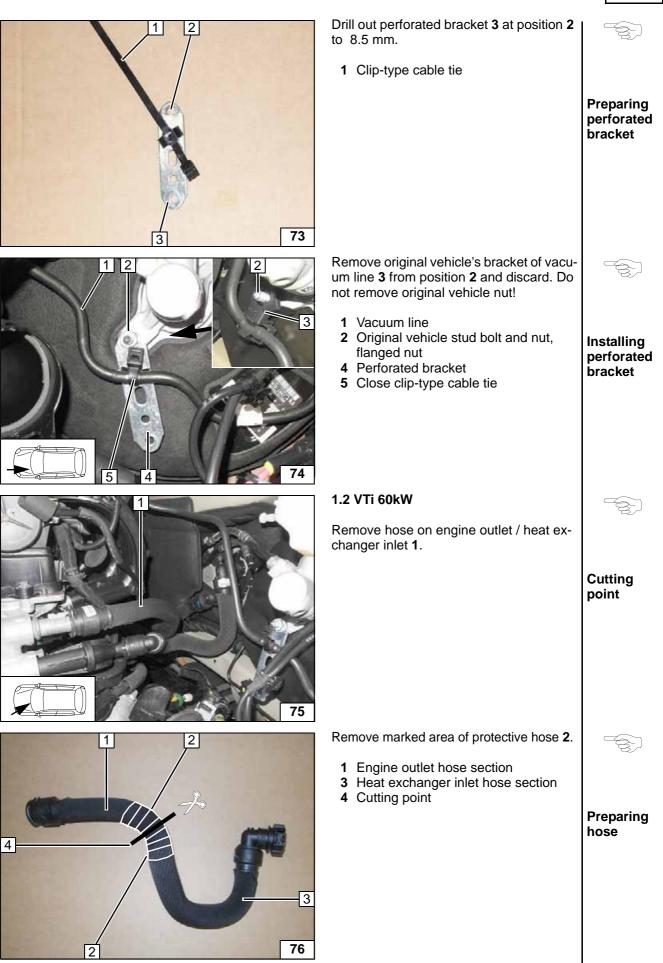
Hose routing diagram

All spring clips  $\square = 25 \text{ mm dia.}$ All connecting pipes  $\square = 18x18 \text{ mm dia.}$ 











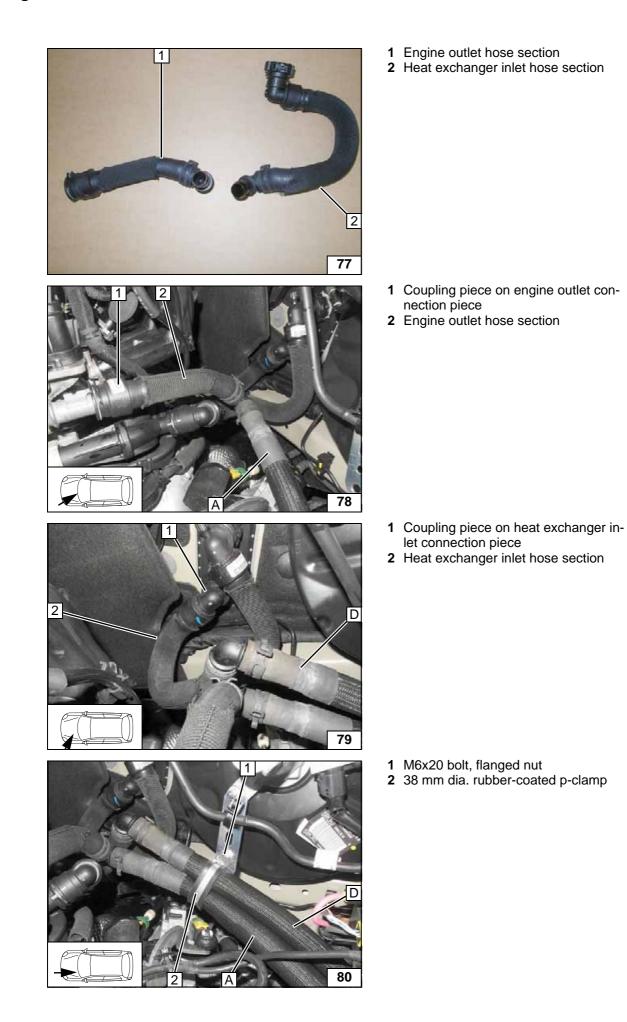
Premounting hose sections of engine outlet and heat exchanger inlet

Connecting engine outlet

Connect-

ing heat exchanger inlet

Routing in engine compartment





Installing hose brack-

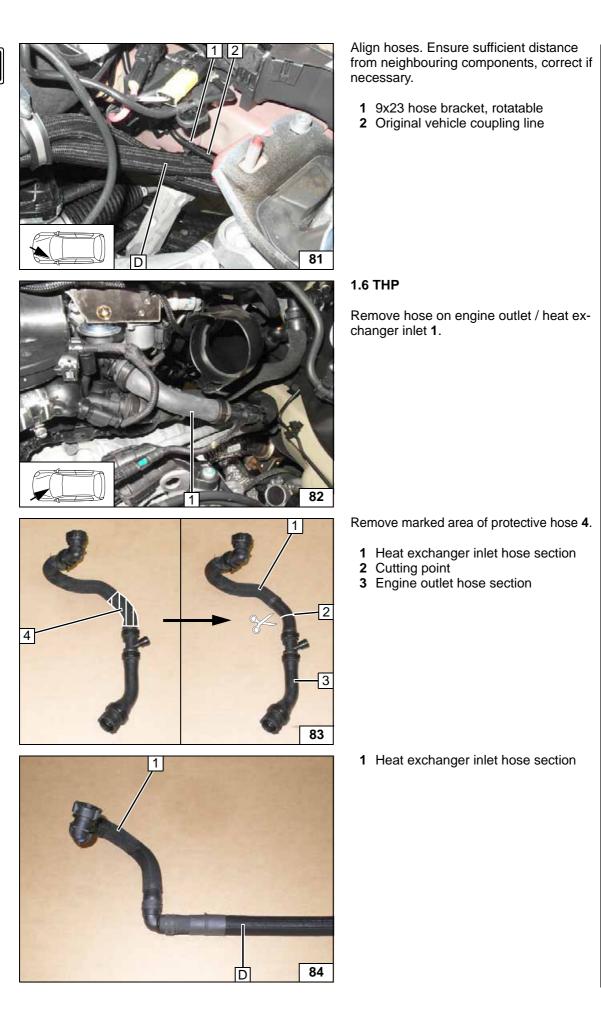
Cutting point

Cutting point

Premounting hose D

et

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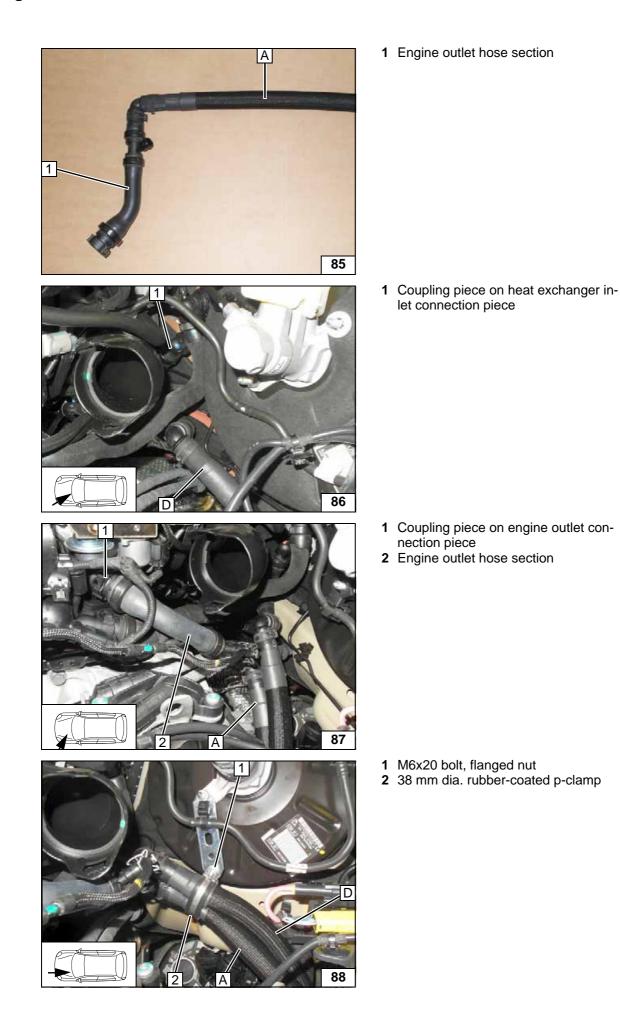


Premounting hose A

Connecting heat exchanger inlet

Connecting engine outlet

Routing in engine compartment





Installing hose brack-

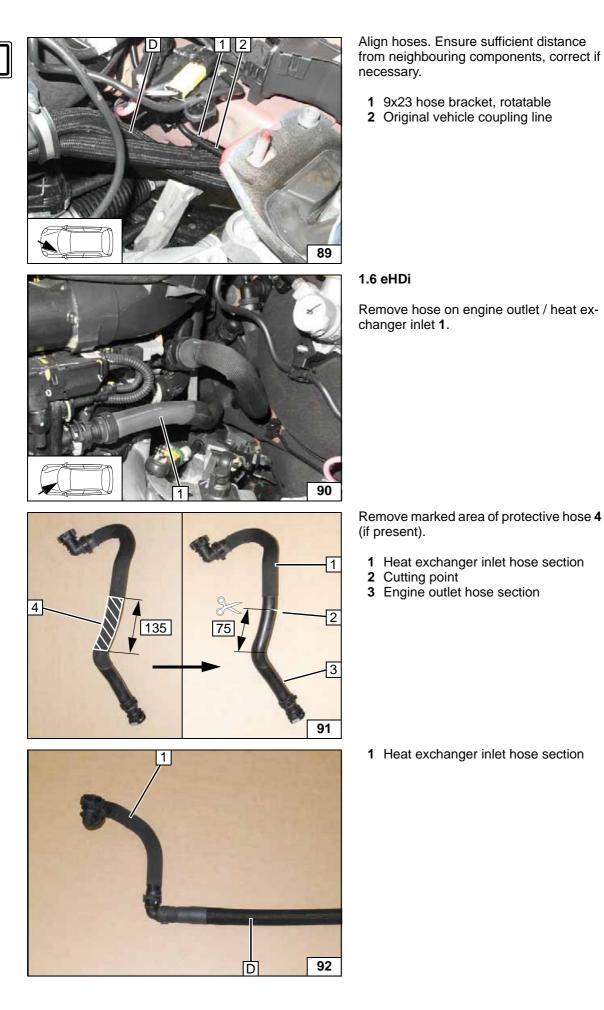
Cutting point

Cutting point

Premounting hose D

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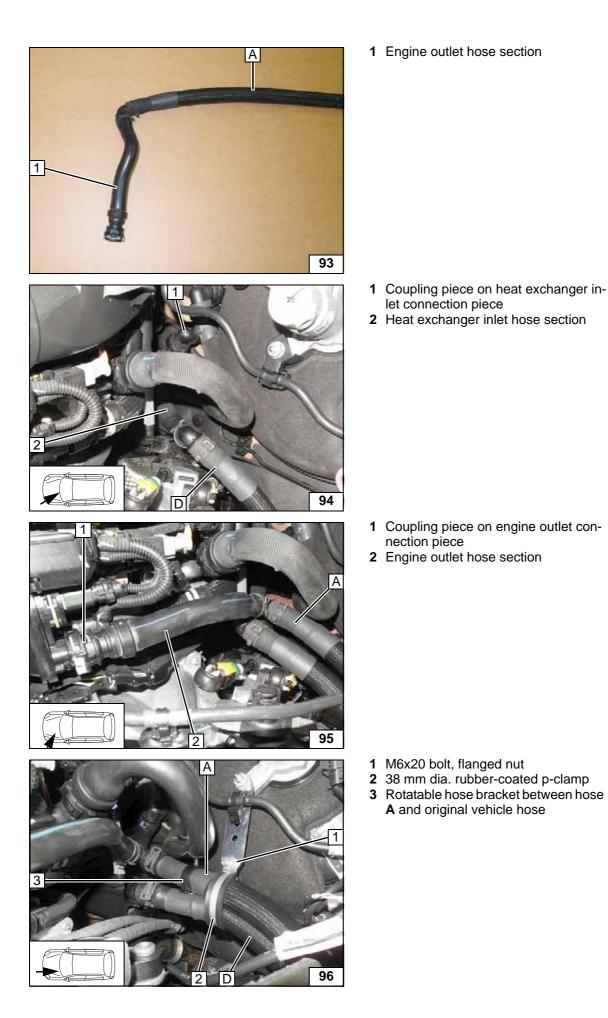


Premounting hose A

Connecting heat exchanger inlet

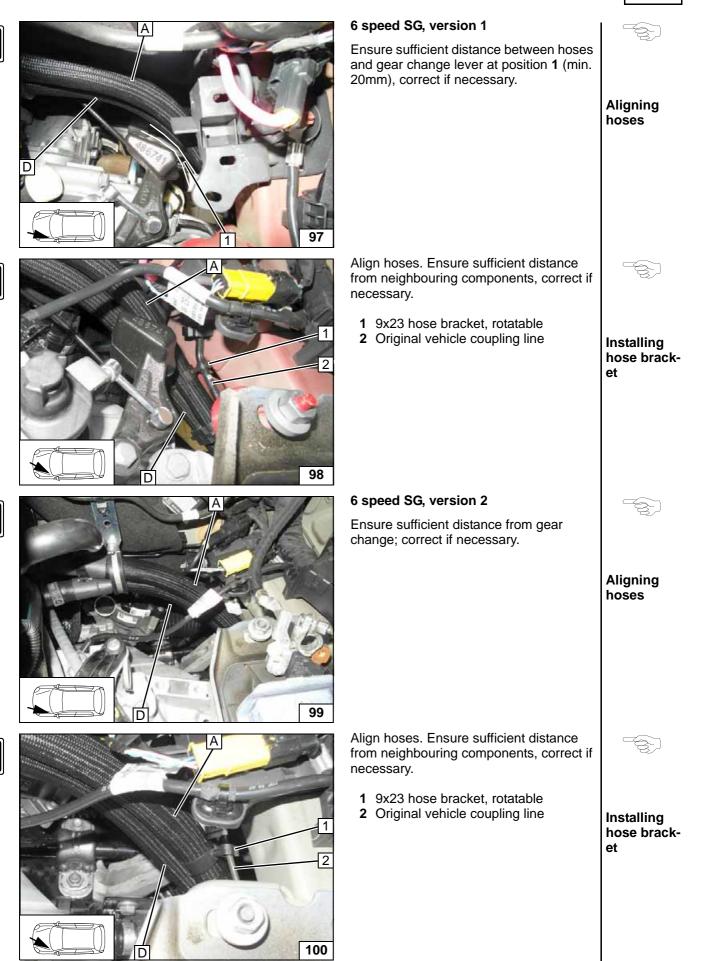
Connecting engine outlet

Routing in engine compartment



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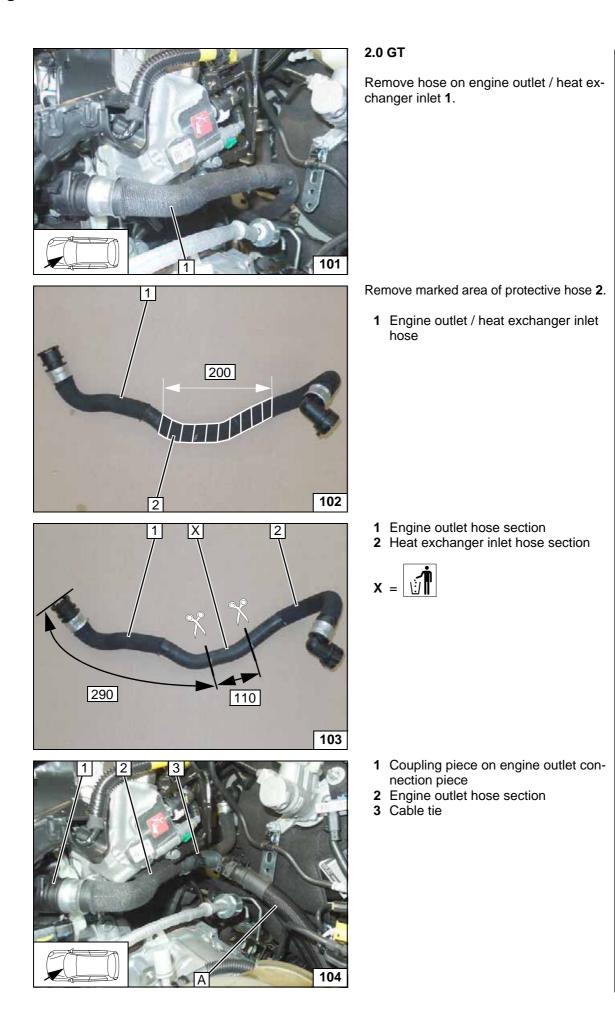
Cutting point

Preparing

hose

Cutting point

Connecting engine outlet





Connecting heat exchanger inlet

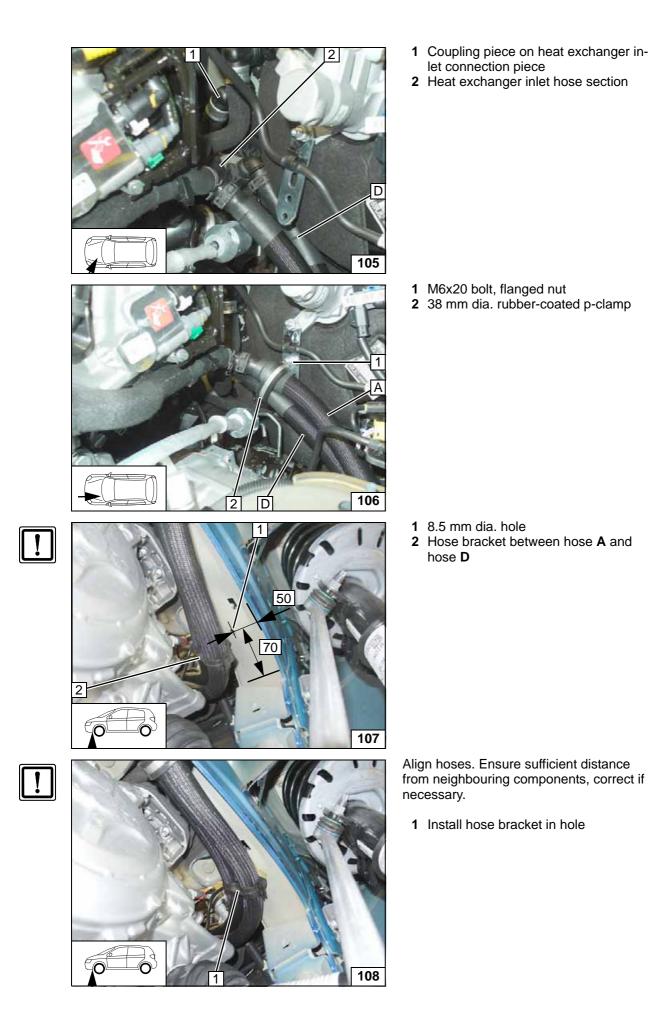
Routing in engine compartment

Routing in engine compart-

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Routing in engine compartment

ment





#### Fuel



Open the vehicle's fuel tank cap, ventilate the tank and then re-close the tank lock.

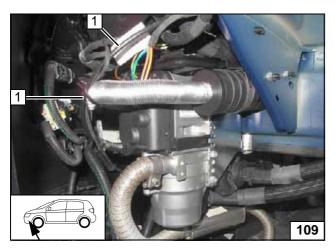
Catch

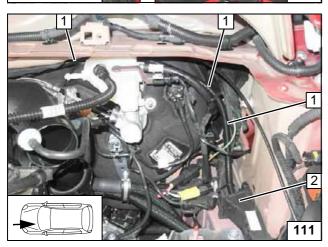
Catch any fuel running off in an appropriate container.



Route fuel line and metering pump wiring harness so that they are protected against stone impact. Unless specified otherwise, always fasten using cable ties. Provide rub protection for fuel line and wiring harness in areas where there are sharp edges.

The fuel line and wiring harness are routed to the metering pump as shown in the wiring harness routing diagram.





Route fuel line **1** in the engine compartment.



Routing lines

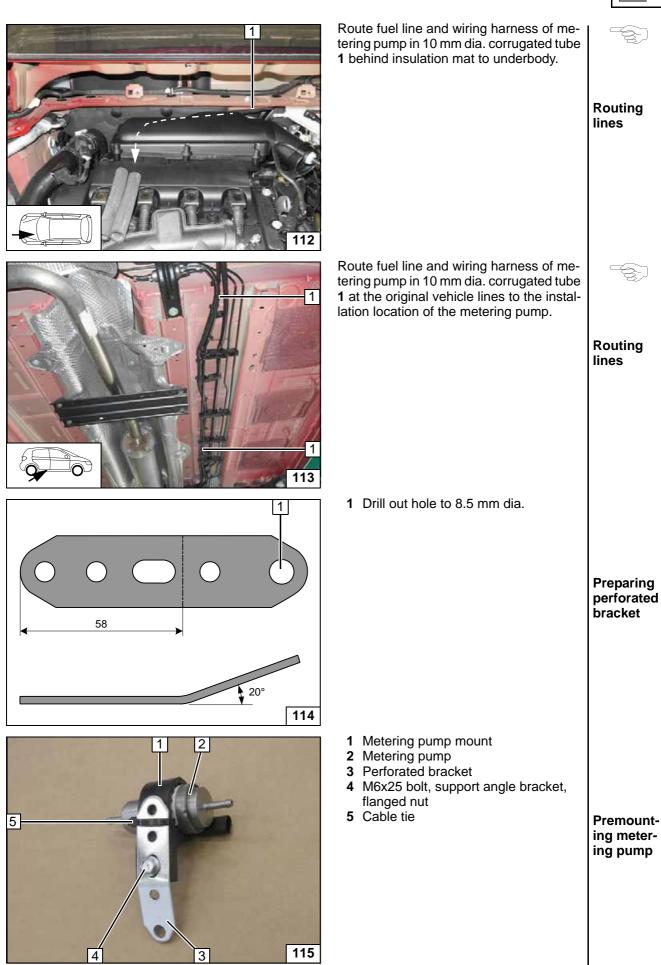
Pull fuel line and wiring harness of metering pump into 10 mm corrugated tube **2** and into original vehicle line duct **1**.



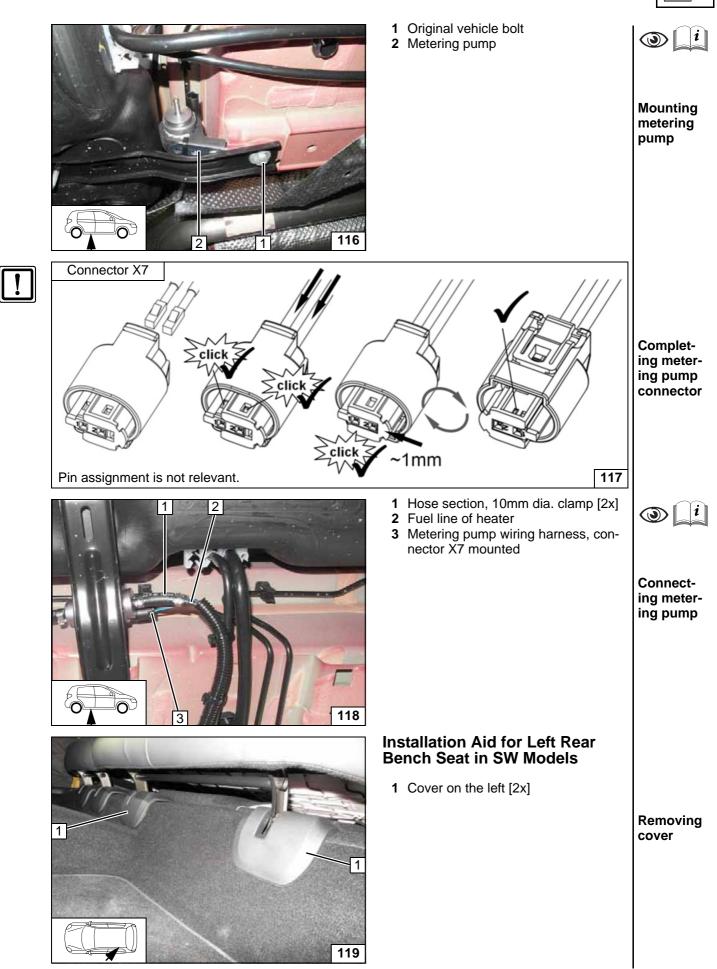
Route fuel line and wiring harness of metering pump in 10 mm dia. corrugated tube 1 through original vehicle line duct 2 to firewall.

> Routing lines

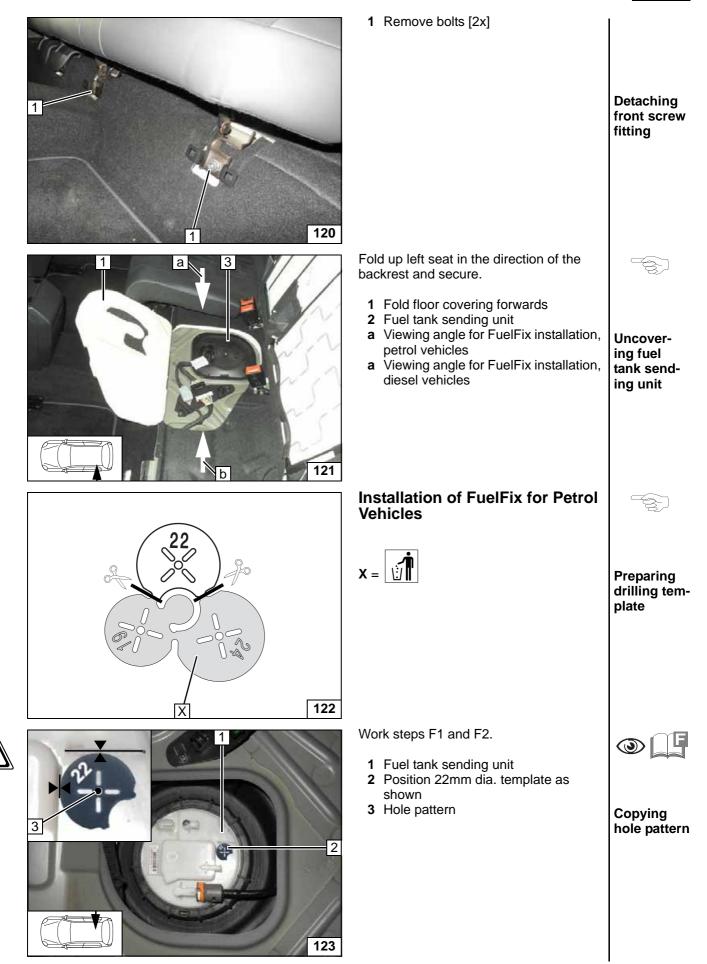




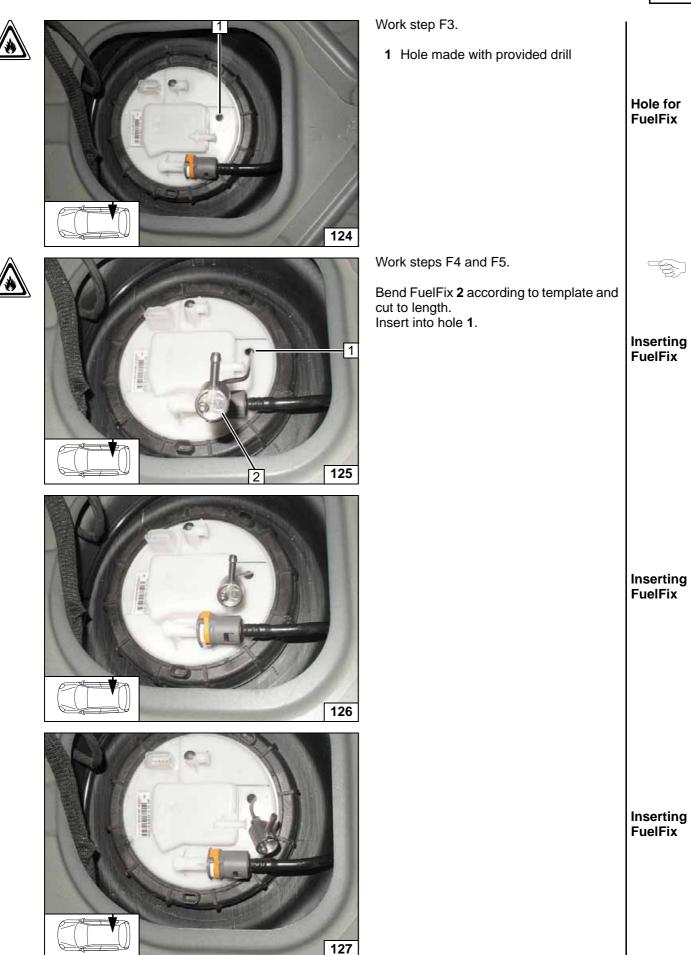




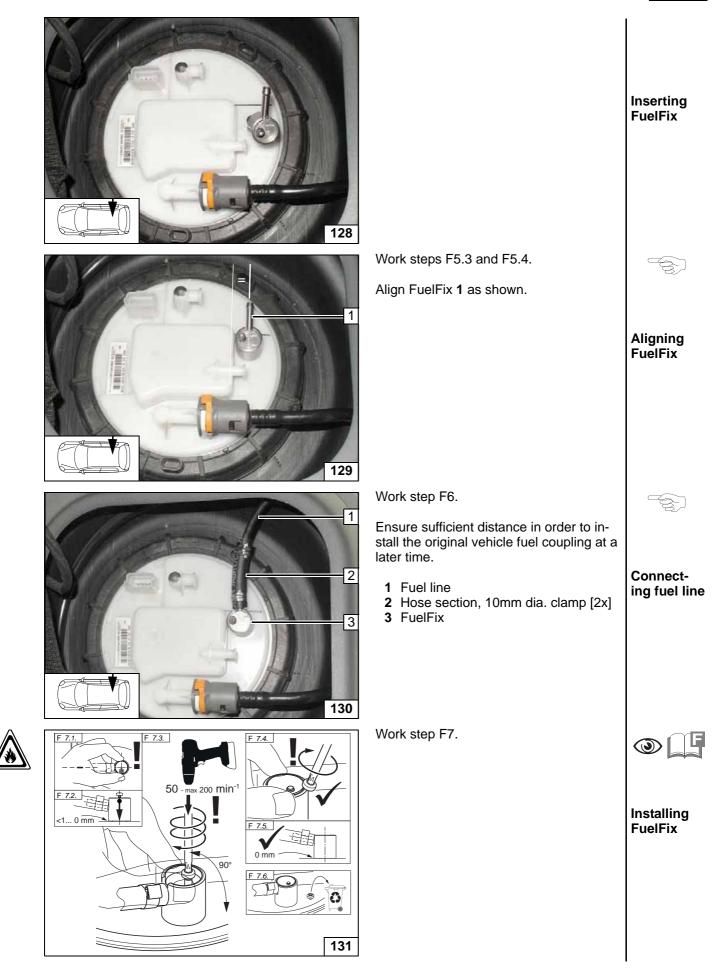




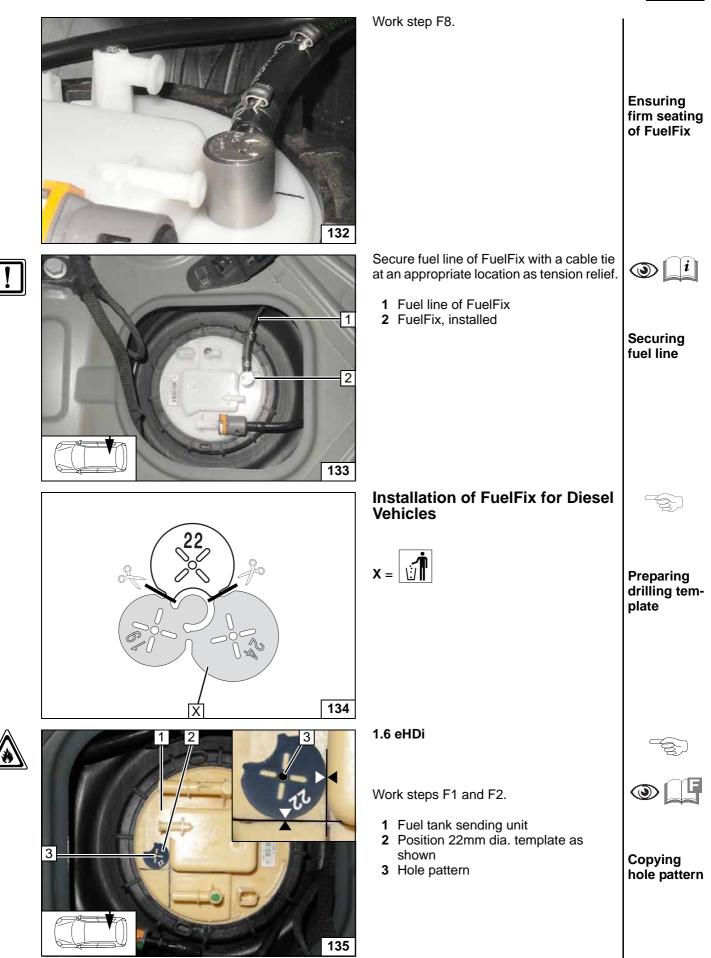






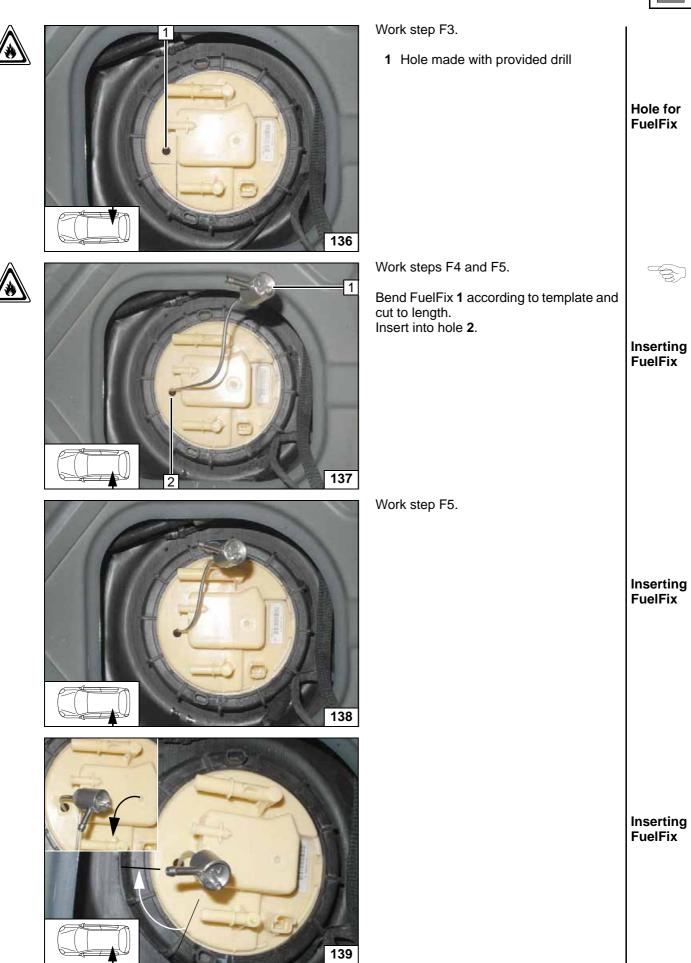




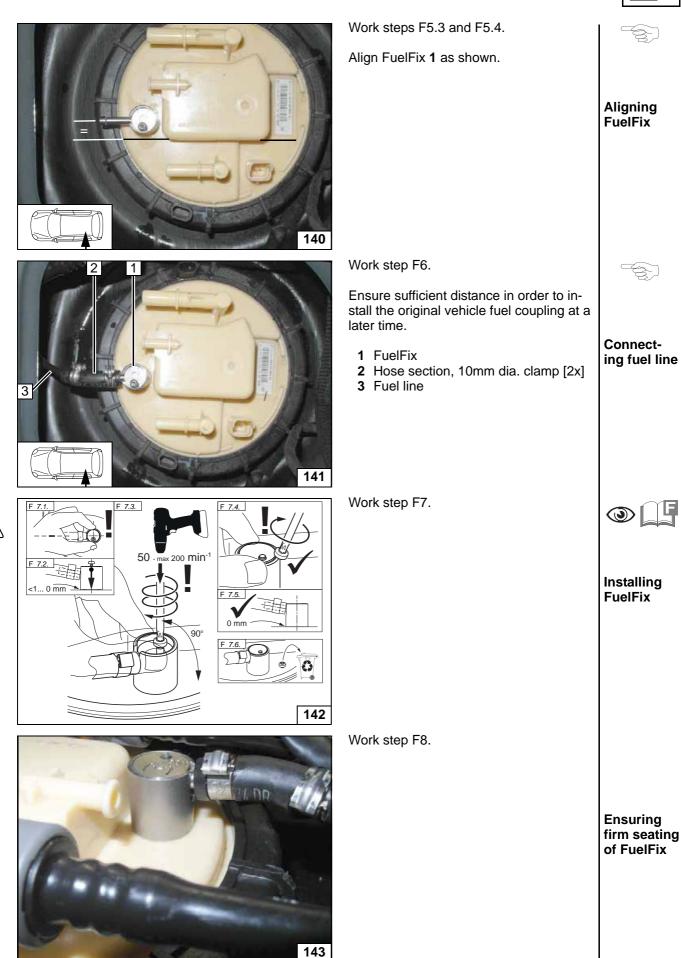




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Securing fuel line

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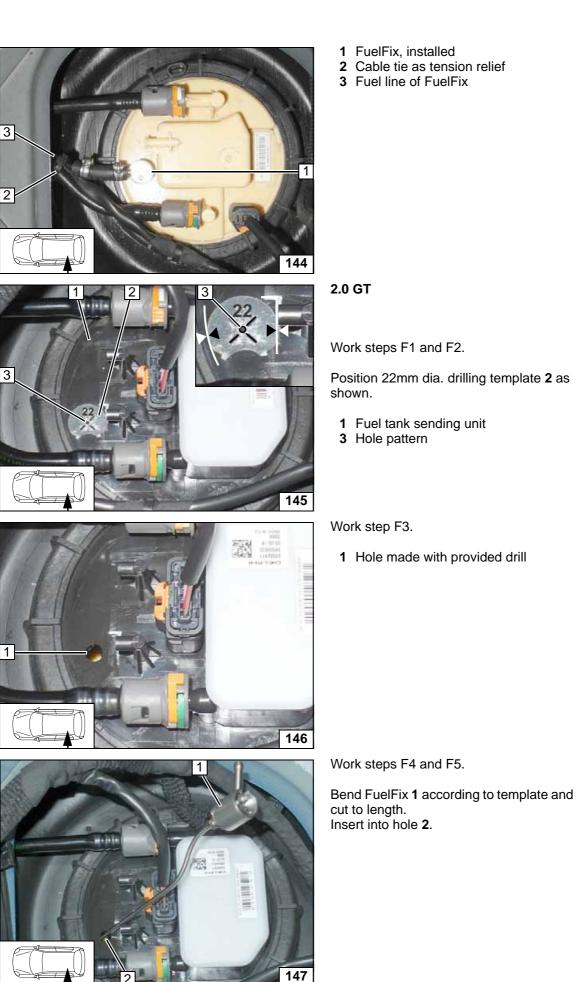
Copying hole pattern

Hole for FuelFix

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Inserting FuelFix

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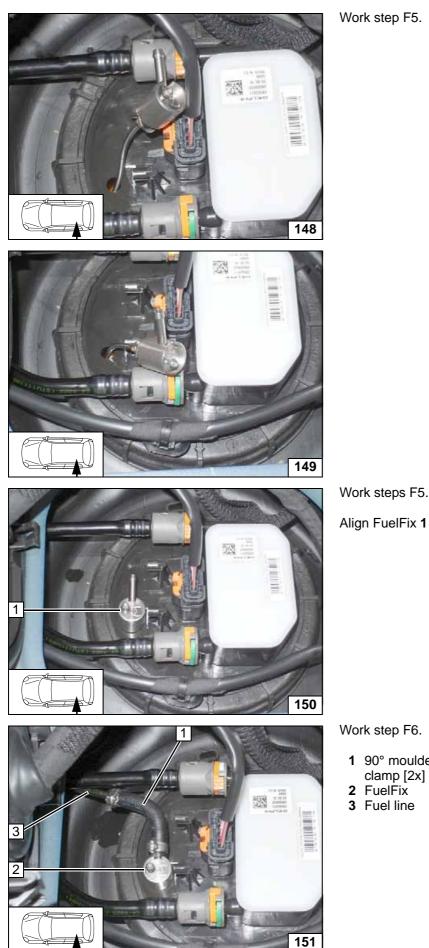
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Inserting FuelFix

Inserting FuelFix



Work steps F5.3 and F5.4. Align FuelFix 1 as shown.

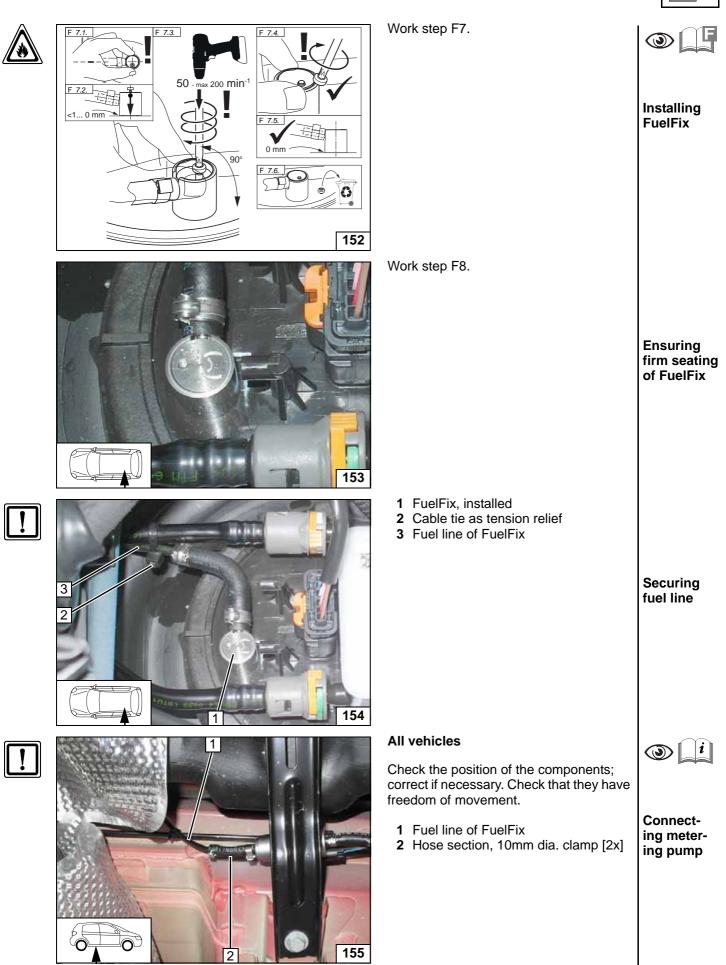
Aligning FuelFix

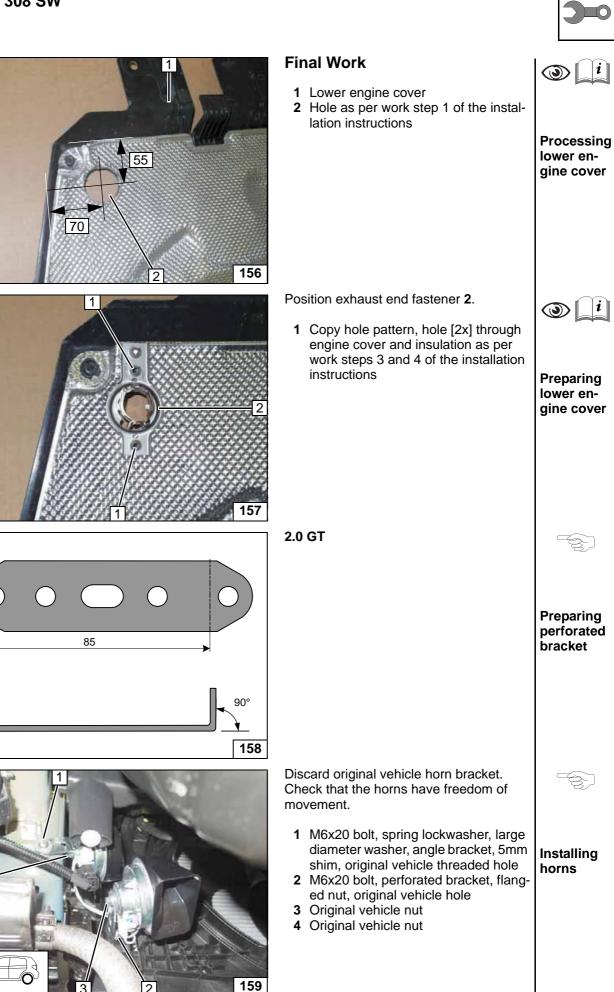
1 90° moulded hose, 10 mm dia.

**Connect**ing fuel line

3

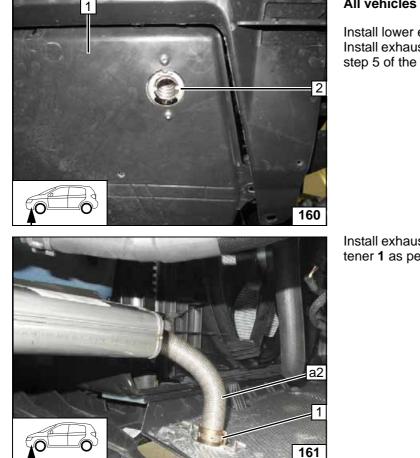








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#### All vehicles

Install lower engine cover 1. Install exhaust end fastener 2 as per work step 5 of the installation instructions.



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Installing ex-haust end fastener

Install exhaust pipe a2 in exhaust end fastener 1 as per work steps 6 to 8.



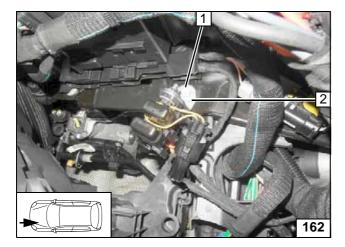
Installing exhaust pipe a2



Reassemble the components in reverse order. Check all hoses, clamps and all electrical connections for firm seating. Insulate and tie back loose lines.

Only use manufacturer-approved coolant. Spray the heater components with anti-corrosion wax (Tectyl 100K).

- Connect the battery.
- Fill and bleed the coolant circuit according to the vehicle manufacturer's instructions.
- Program MultiControl CAR, teach Telestart transmitter.
- Make settings on the A/C control panel according to the 'operating instructions'.
- Place the 'Switch off parking heater before refuelling' caution label near the filler neck.
- For initial startup and function check, please see installation instructions.



#### Apart from 2.0 GT

When necessary, install engine compartment fuse holder on bracket of control unit using original vehicle bolt **1**.

2 Angle bracket



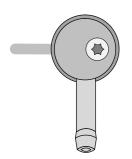
*i* |

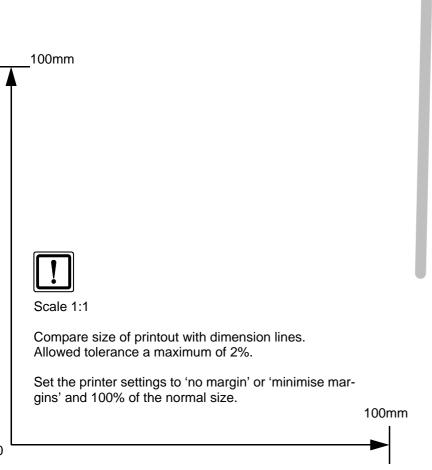
Installing engine compartment fuse holder

Webasto Thermo & Comfort SE Postfach 1410 82199 Gilching Germany Internet: www.webasto.com Technical Extranet: http://dealers.webasto.com Peugeot 308 / 308 SW

## **FuelFix Template for Petrol Vehicles**

Top view





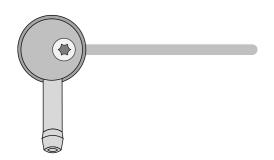


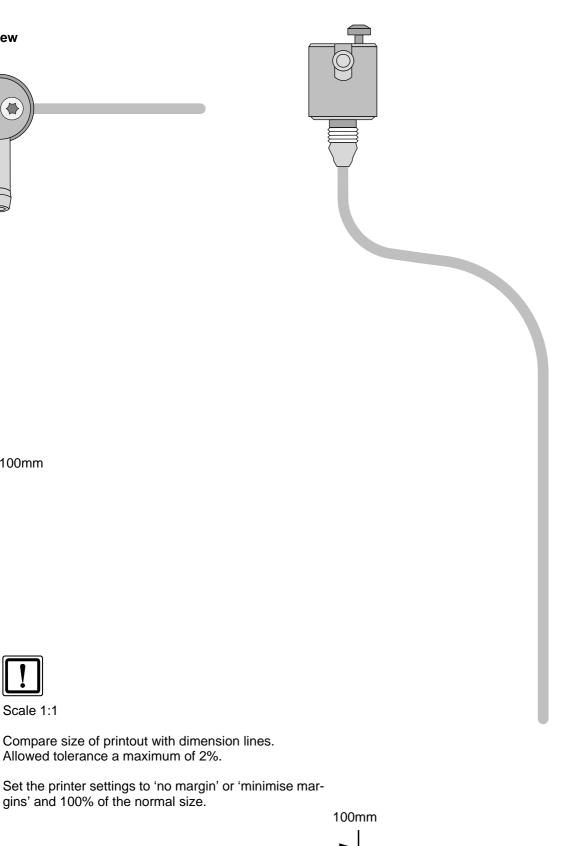
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# FuelFix Diesel 1.6 eHDi Template









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Scale 1:1

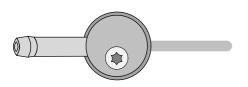
Allowed tolerance a maximum of 2%.

gins' and 100% of the normal size.

100mm

# FuelFix Diesel 2.0 eHDi Template

Top view







100mm

Compare size of printout with dimension lines. Allowed tolerance a maximum of 2%.

Set the printer settings to 'no margin' or 'minimise margins' and 100% of the normal size.







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A/C control panel

Engine compartment fus-

es

# **Operating Instructions for Automatic Air-Conditioning**

Please remove page and add to the vehicle operating instructions.

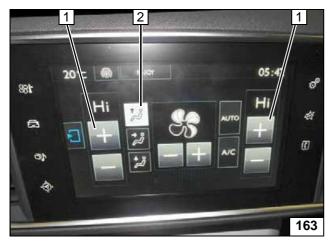
#### Note:

We recommend matching the heating time to the driving time. Heating time = driving time **Example:** For a driving time of approx. 20 min. (in one direction), we recommend not exceeding a switch-on time of 20 min.

Passenger compartment monitoring, if installed, must be deactivated in addition to the vehicle settings for the heating operation.

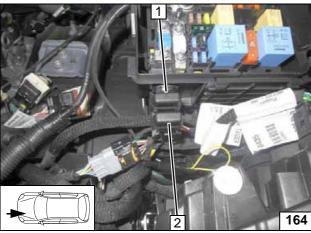
For instructions on deactivation, please refer to the operating instructions of the vehicle.

Before parking the vehicle, make the following settings:



2 Air outlet turned 'upwards'

1 Set temperature on both sides to 'HI'

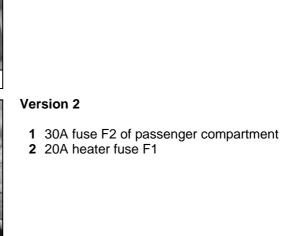


1

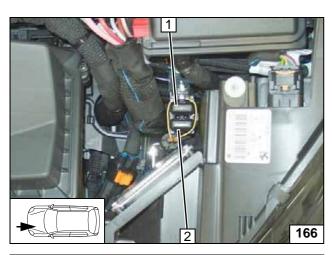
#### Version 1

165

- 1 30A fuse F2 of passenger compartment
- 2 20A heater fuse F1



Engine compartment fuses



# 167

#### Version 3

- 30A fuse F2 of passenger compartment
   20A heater fuse F1

Engine com-partment fus-. es

### All vehicles

- 1 1A heater control fuse F3
- 2 25A fan fuse F4

Passenger compartment fuses