



Thermo Top Evo Parking Heater



Installation Documentation Peugeot 3008

Validity

Manufacturer Mod		del Type		EG-BE No. / ABE	
Peugeot 300		08 T84Hy e2 * 2007 / 46 * 0094 *		*	
Motorisation	Fuel	Transmission type	Output in kW	Displacement in cm ³	Engine code
2.0 HDI Hybrid4	Diesel	AM6C	120	1997	RHC

AM6C = Automatic transmission

From Model Year 2012 Left-hand drive vehicle

Verified equipment variants	: Manual / automatic air-conditioning system Front fog light Daytime running lights BI-Xenon
Not verified:	Passenger compartment monitoring Headlight washer system
Total installation time:	approx. 11.5 hours

Note:

Only experts in high-voltage systems for vehicles should be authorised to carry out independent work on hybrid vehicles! The high-voltage system must be taken out of operation, secured and reactivated according to the manufacturer's instructions.

Peugeot 3008

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Necessary Components

- Basic delivery scope Thermo Top Evo in accordance with price list
- Installation kit for Peugeot 3008 2012 Hybrid4: 1317875D
- Heater control in accordance with price list and upon consultation with end customer

 In case of Telestart, indicator lamp in accordance with price list and in consultation with end customer

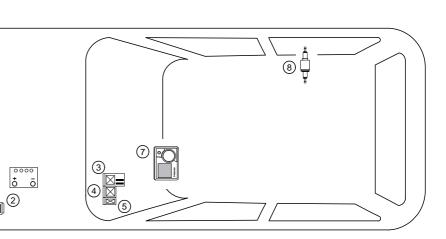
Installation instructions:

- Arrange for the vehicle to be delivered with the tank only about ¼ full!
- The installation location of the push button in the case of Telestart or Thermo Call should be confirmed with the end customer.
- Depending on the available space and manufacturer's instructions, we recommend the use of a vehicle battery with more electrical capacity.

Installation Overview

Legend:

- 1. Heater
- 2. Engine compartment fuse holder
- 3. Relay and fuse holder of passenger compartment
- 4. PWM GW
- 5. K2 relay (only with automatic A/C)
- 6. Circulating pump
- 7. MultiControl CAR
- 8. Metering pump



Information on Total Installation Time

The total installation time includes the time needed for mounting and demounting of 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.

 \oslash^{6}

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 to original vehicle lines and wiring harnesses using cable ties. Insulate loose wire ends and tie 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, Order No. 111329).

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 StVZO (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 win-

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 3008

Information on Validity

This installation documentation applies to Peugeot 3008 Hybrid4 vehicles - for validity, see page 1 - from model year 2012 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 self-clamping hose clamps
- · Hose clamp pliers for Clic hose clamps of type W
- Automatic wire stripper 0.2 6mm²
- Crimping pliers for cable lug / tab connector 0.5 6mm²
- Torque wrench for 2.0 10 Nm
- · Hose clamping pliers
- Metric thread-setter kit
- · Webasto Thermo Test Diagnosis with current software
- Bleeding device K-01102 from PSA or Facon 935A or SNA DRZ 2000

Dimensions

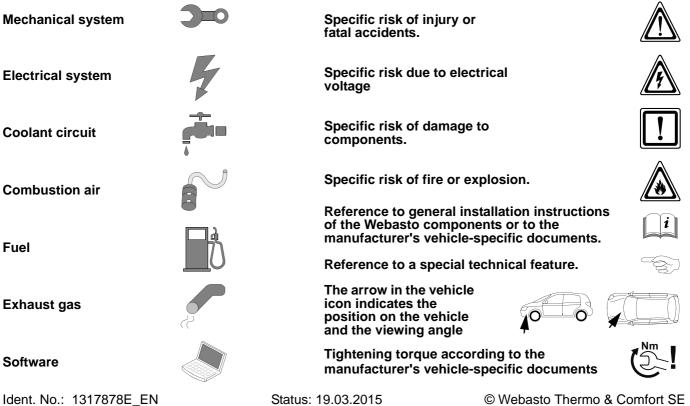
All dimensions are in mm

Tightening torque values

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

Explanatory Notes on Document

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



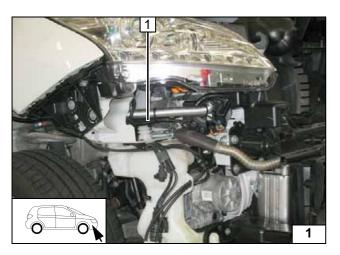
Preliminary Work

Vehicle

- Open the fuel tank cap.
- Ventilate the fuel tank.
- Close the fuel tank cap again.
- Drain coolant in accordance with PSA guidelines.
- Disconnect the 12V vehicle battery and remove it fully along with the carrier.
- · Deactivate the hybrid system according to the vehicle manufacturer's workshop manual.
- Remove the air filter together with the intake hose.
- Remove the underride protection (if present).
- Remove the right front wheel.
- Remove the front right and left wheel well trim.
- Remove the bumper trim.
- Remove the right headlight.
- Remove the washer reservoir.
- Detach the front section of the individual rear seat on the right (2x screwed), fold up the seat and secure, remove the tank-fitting service lid.
- Remove the fuel-tank sending unit in accordance with manufacturer's instructions.
- Remove the lower instrument panel trim on the driver's side.
- Remove the cover of the upper footwell trim on the driver's side.
- Remove the lateral trim of the instrument panel on the driver's side.
- Remove the lateral trim on the left of the central tunnel.

Heater

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



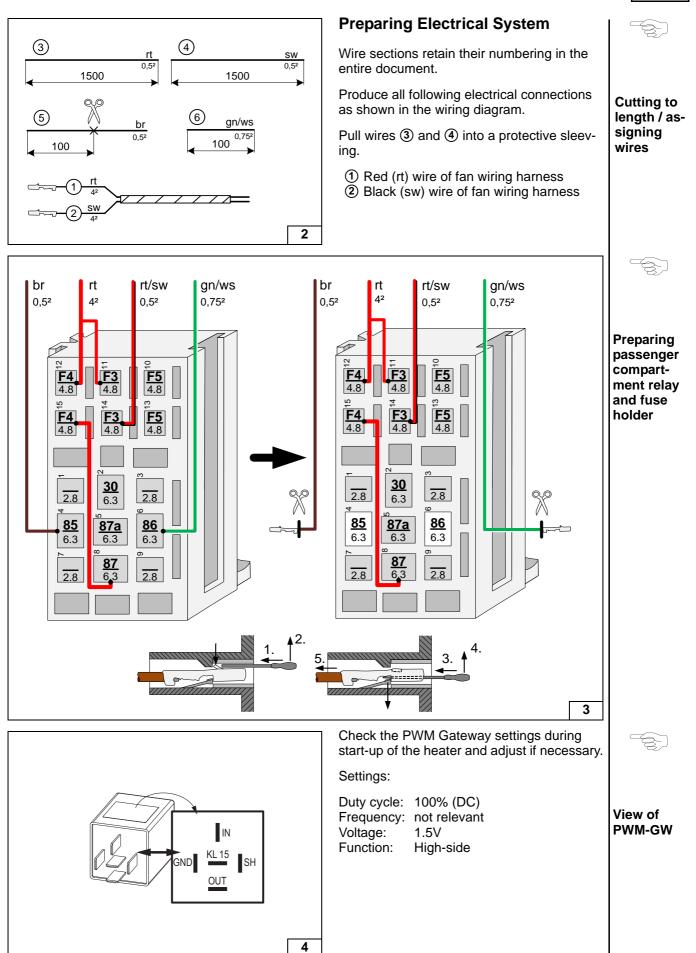
Heater Installation Location

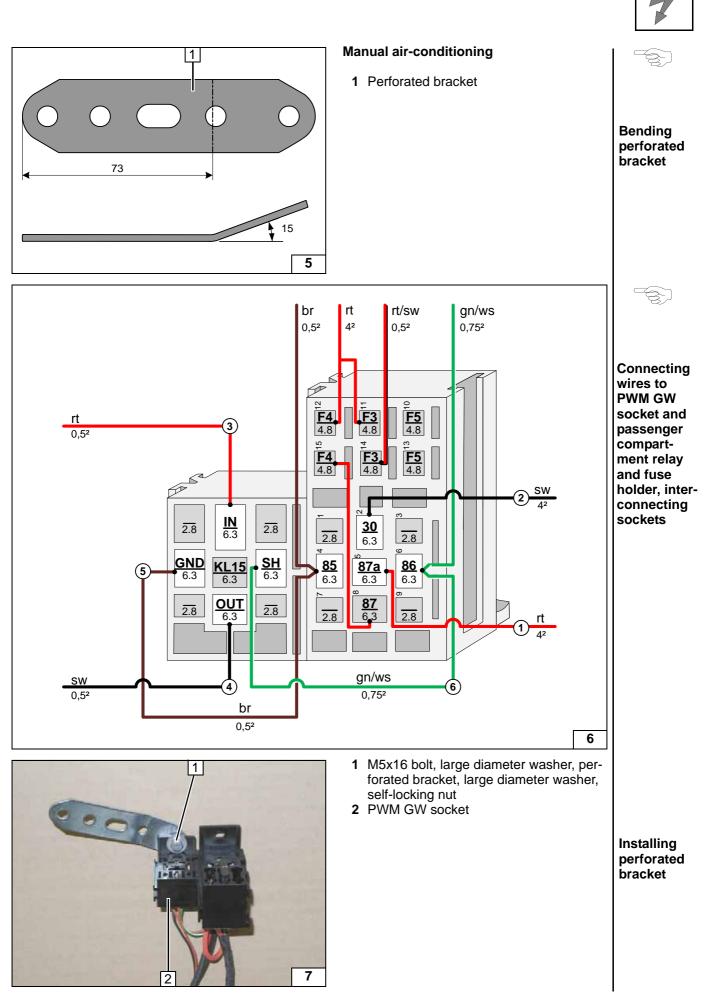
1 Heater

Installation location

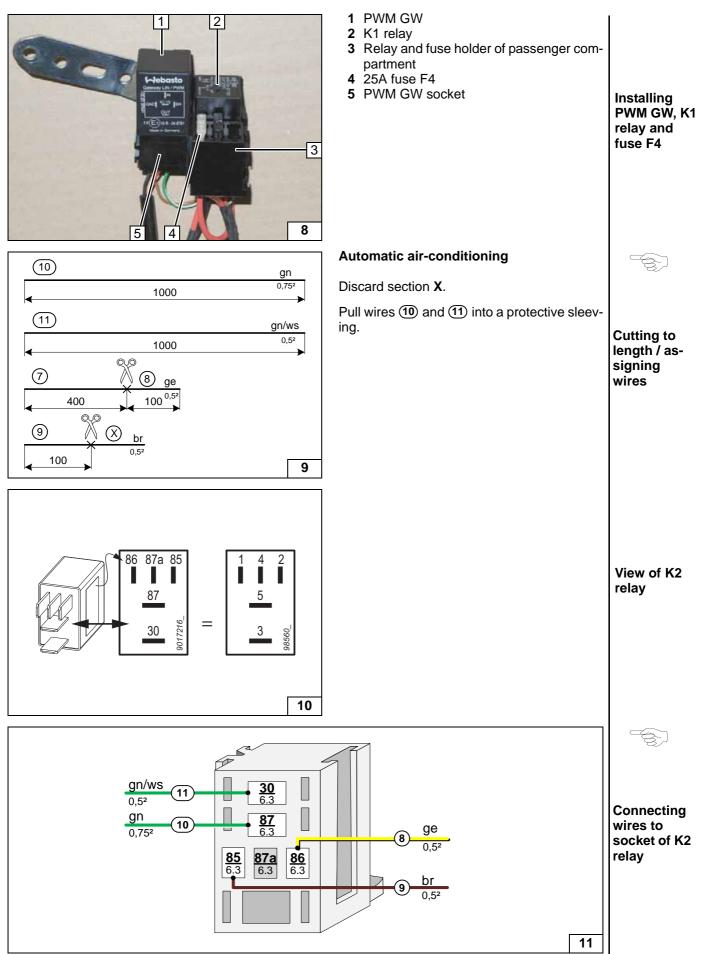




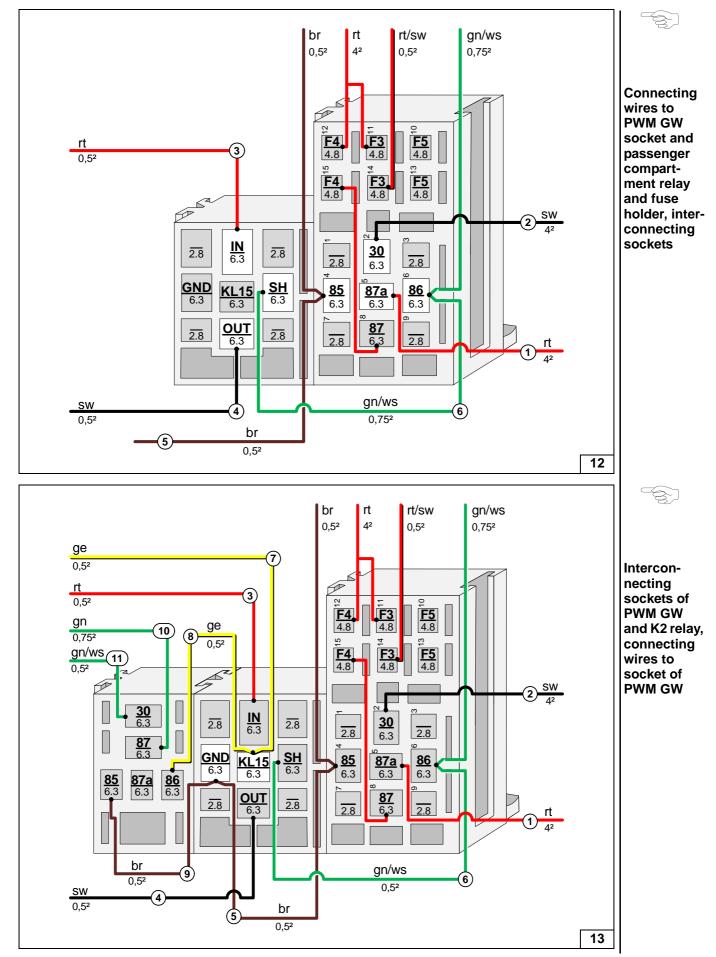














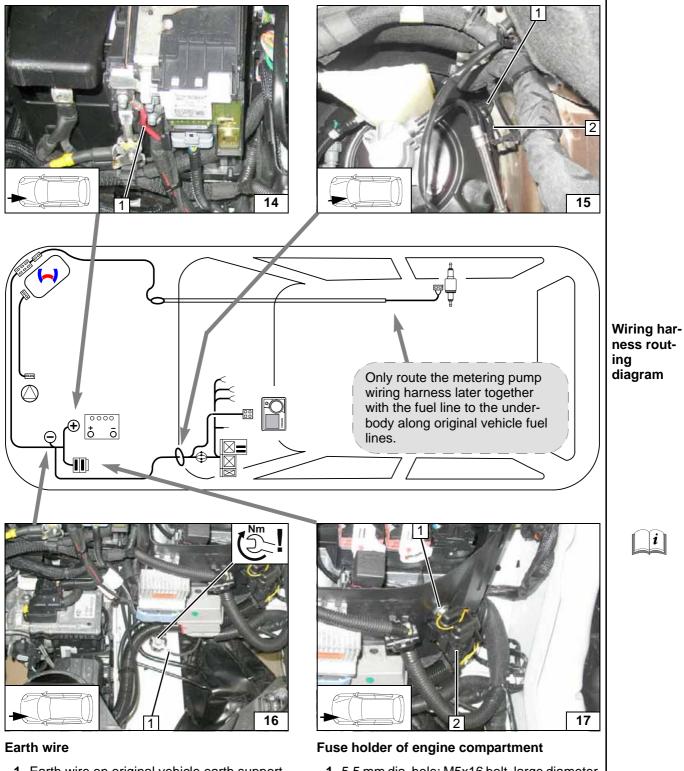
Electrical System

Positive wire

1 Positive wire on positive distributor of battery

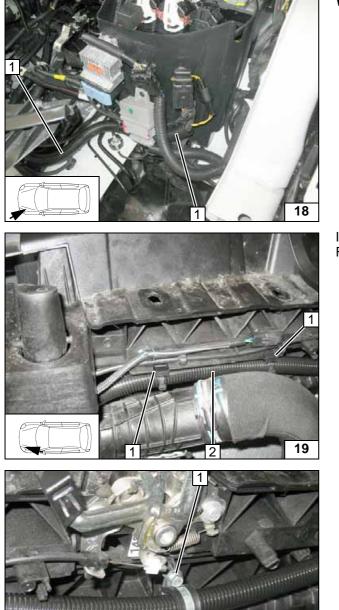
Wiring harness pass through

- 1 Existing protective rubber plug
- 2 Wiring harness of heater and heater control



- 1 Earth wire on original vehicle earth support point
- 1 5.5 mm dia. hole; M5x16 bolt, large diameter washer, retaining plate of fuse holder, large diameter washer, flanged nut
- 2 F1-2 fuses





Wiring Harness Routing

1 Wiring harness of heater in 13mm dia. corrugated tube



Routing wiring harness

Install retaining clamp with cable tie **1** [2x]. Fasten wiring harness of heater.

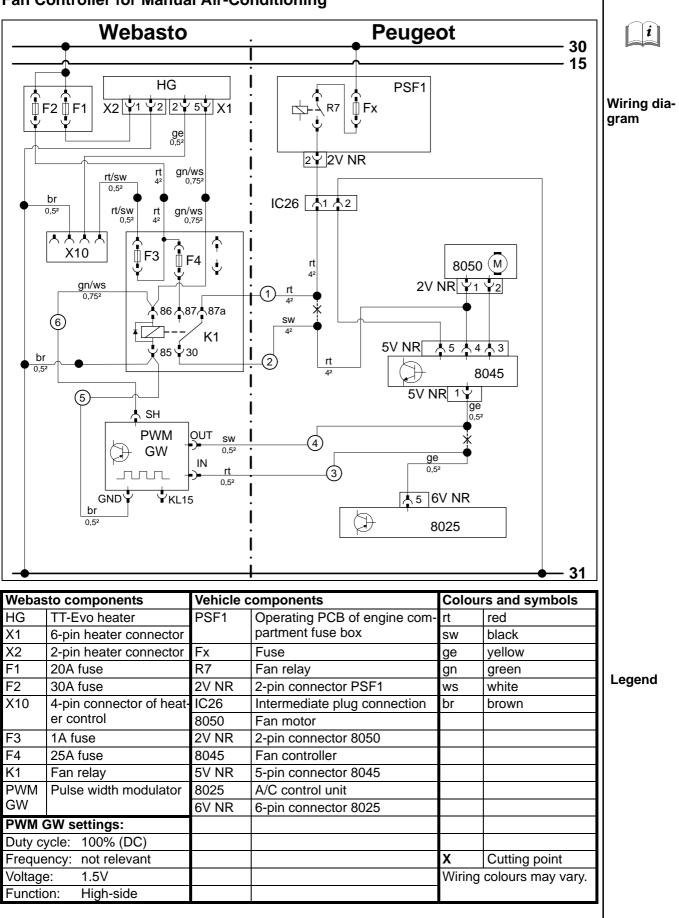
2 Wiring harness of heater in 13mm dia. corrugated tube

- **1** 5x13 self-tapping screw, existing hole
- 2 25 mm dia. rubber-coated p-clamp
- Wiring harness of heater in 13mm dia. corrugated tube

Routing wiring harness

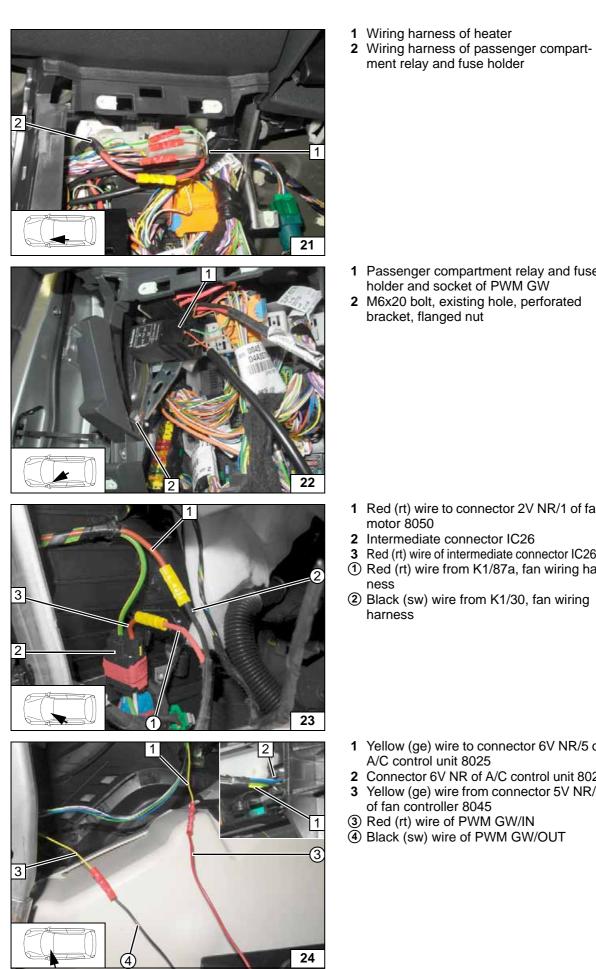
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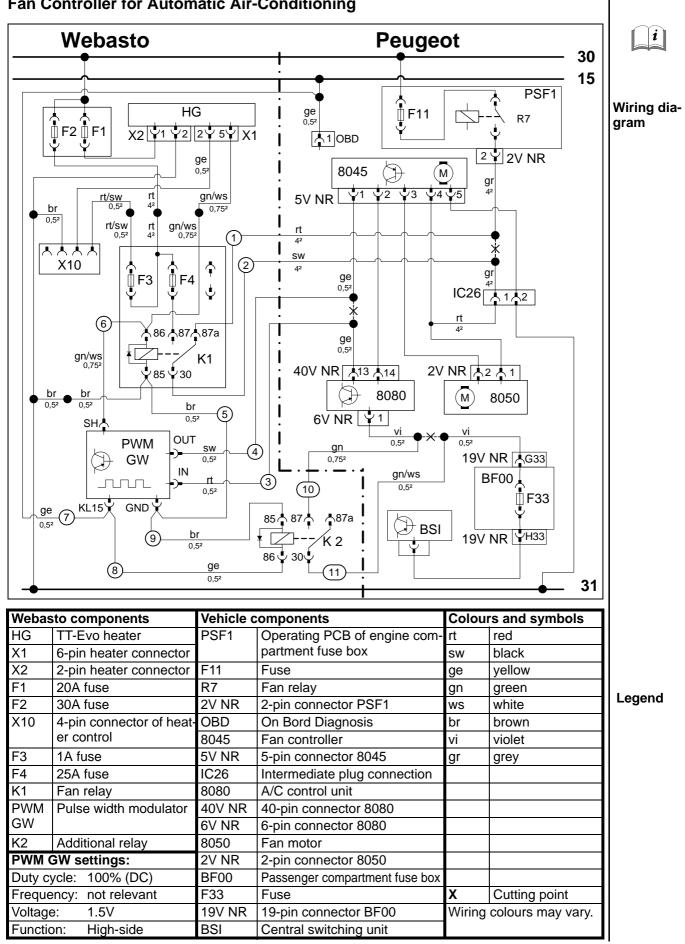
Fan Controller for Manual Air-Conditioning





		Connecting same colour wiring har- nesses
2	Passenger compartment relay and fuse holder and socket of PWM GW M6x20 bolt, existing hole, perforated bracket, flanged nut	Installing PWM GW socket and passenger compart- ment relay and fuse holder
	Red (rt) wire to connector 2V NR/1 of fan motor 8050 Intermediate connector IC26 Red (rt) wire of intermediate connector IC26/1 Red (rt) wire from K1/87a, fan wiring har- ness Black (sw) wire from K1/30, fan wiring harness	Connec- tion of fan motor
	Yellow (ge) wire to connector 6V NR/5 of A/C control unit 8025 Connector 6V NR of A/C control unit 8025 Yellow (ge) wire from connector 5V NR/1 of fan controller 8045 Red (rt) wire of PWM GW/IN Black (sw) wire of PWM GW/OUT	Connecting A/C control unit





Fan Controller for Automatic Air-Conditioning



Connecting same colour wiring harnesses

Installing

socket of K2 relay and

PWM GW as well as passenger compartment relay and fuse holder

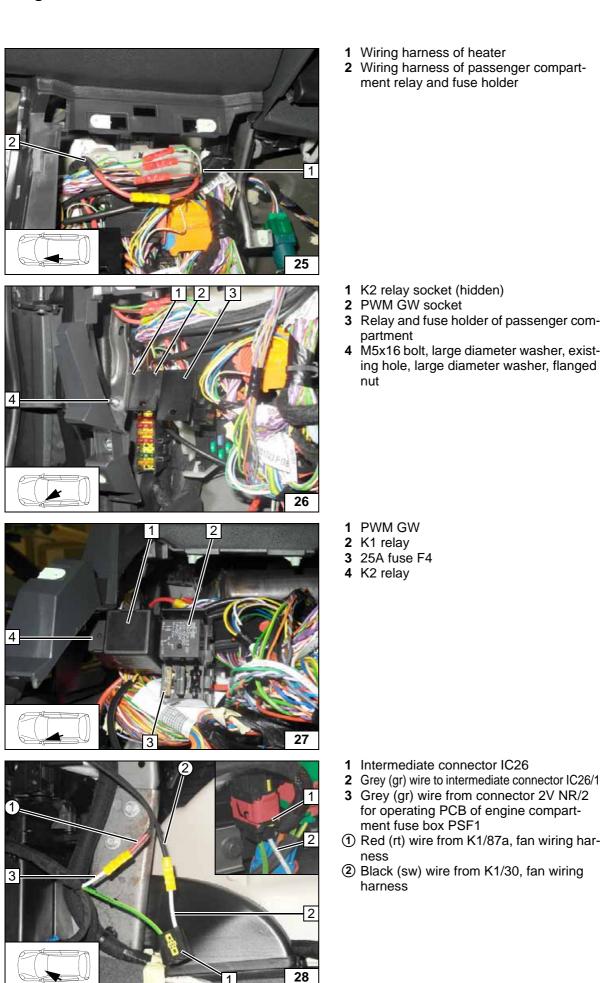
Installing K1 and K2 relay, PWM GW as well as fuse

F4

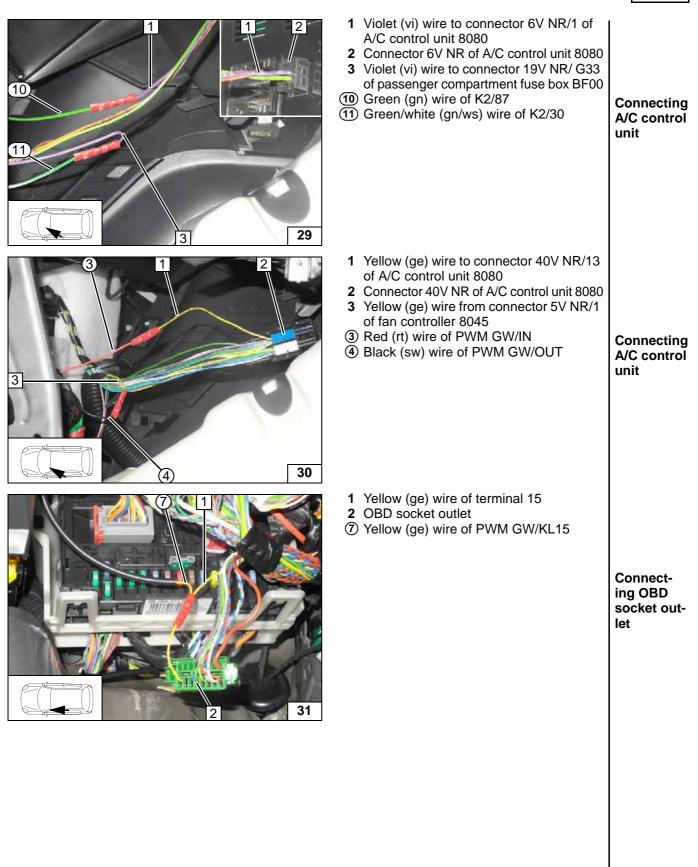
Connec-

motor

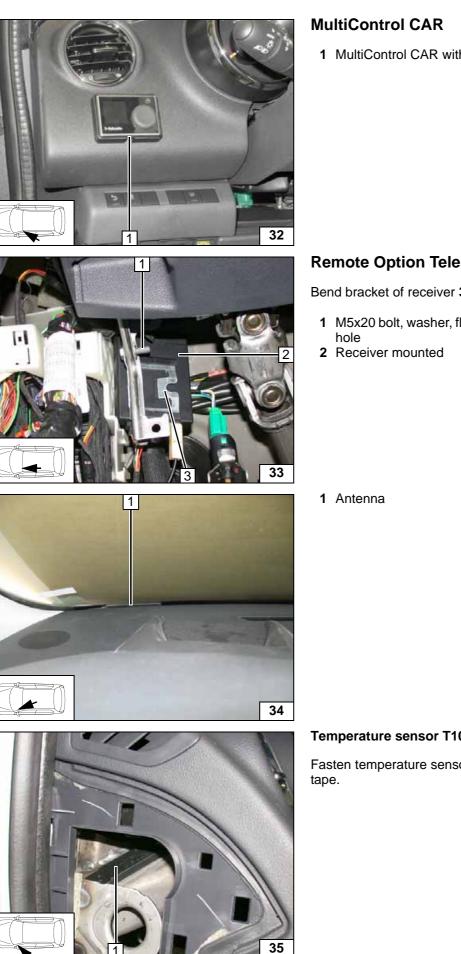
tion of fan











1 MultiControl CAR with installation frame



Installing Mul-tiControl CAR

Remote Option Telestart

Bend bracket of receiver 3 as shown.

1 M5x20 bolt, washer, flanged nut, existing

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Installing receiver

Installing antenna

Temperature sensor T100 HTM

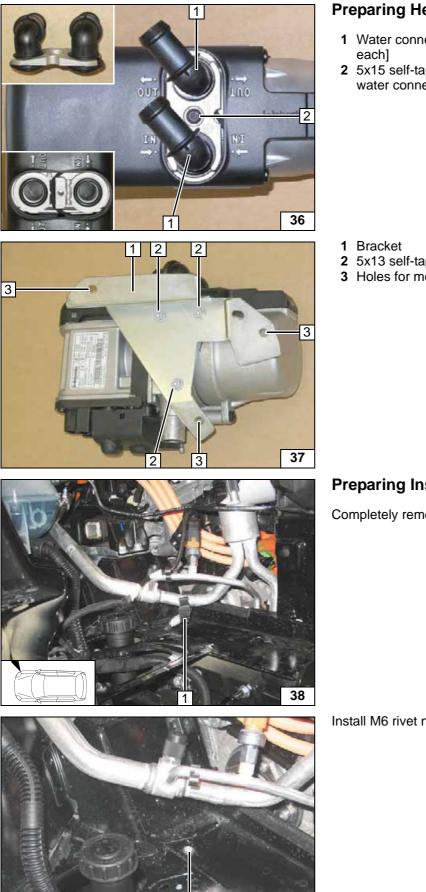
Fasten temperature sensor 1 with adhesive

Mounting temperature sensor

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Preparing Heater

- 1 Water connection piece, sealing ring [2x
- 2 5x15 self-tapping bolt, retaining plate of water connection piece

Installing water connection pieces

- **2** 5x13 self-tapping bolt [3x]
- **3** Holes for mounting heater [3x]

Mounting bracket

Preparing Installation Location

Completely remove and discard bracket 1.

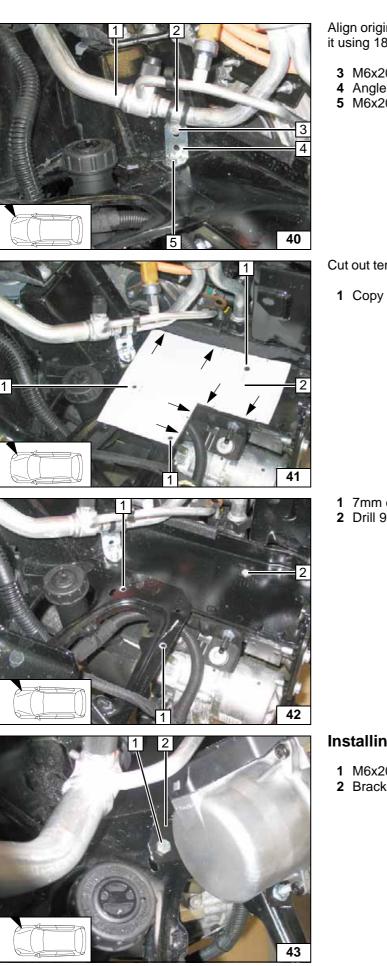
Preparing installation location

Install M6 rivet nut 1

Installing rivet nut

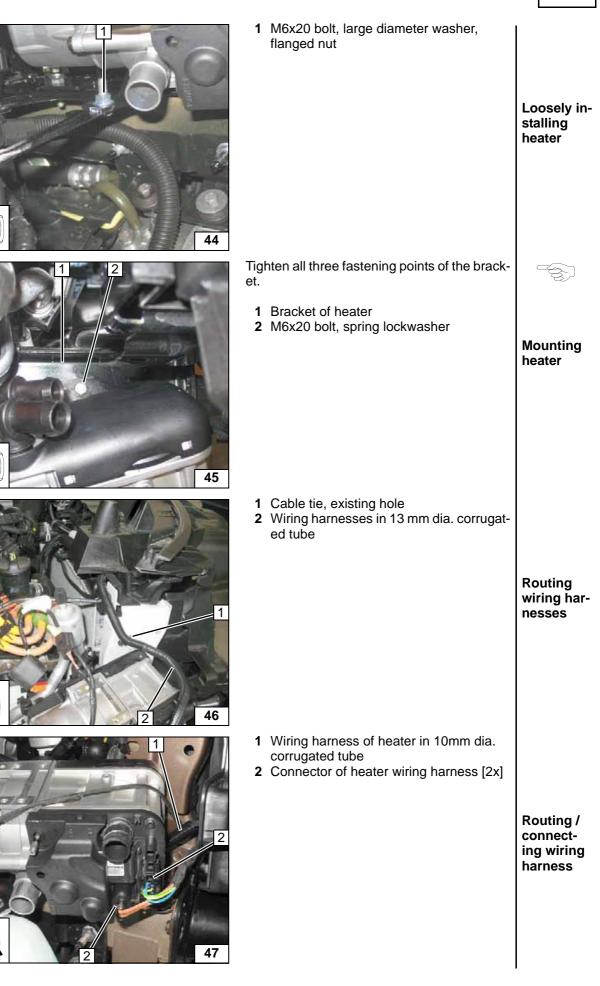
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Fuel

CAUTION!

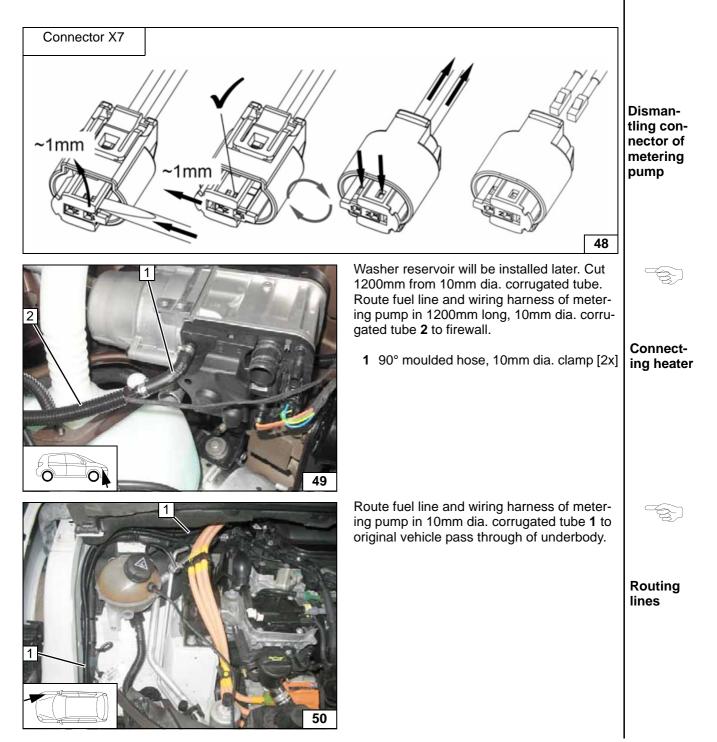
Open the vehicle's fuel tank cap, ventilate the tank and then re-close the tank lock.

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.

WARNING!

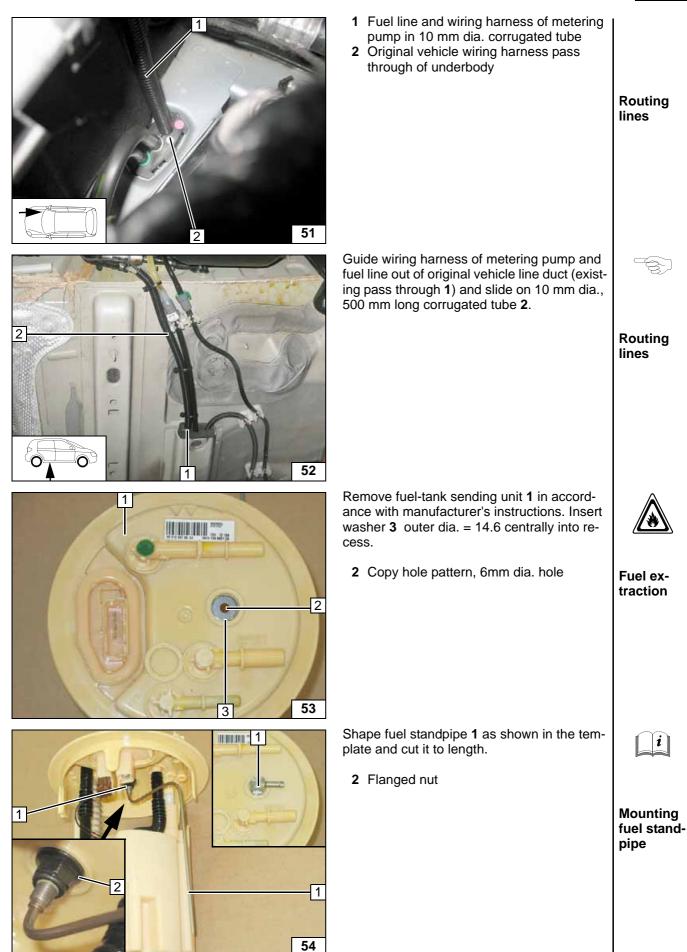
The fuel line and wiring harness are routed to the metering pump as shown in the wiring harness routing diagram.



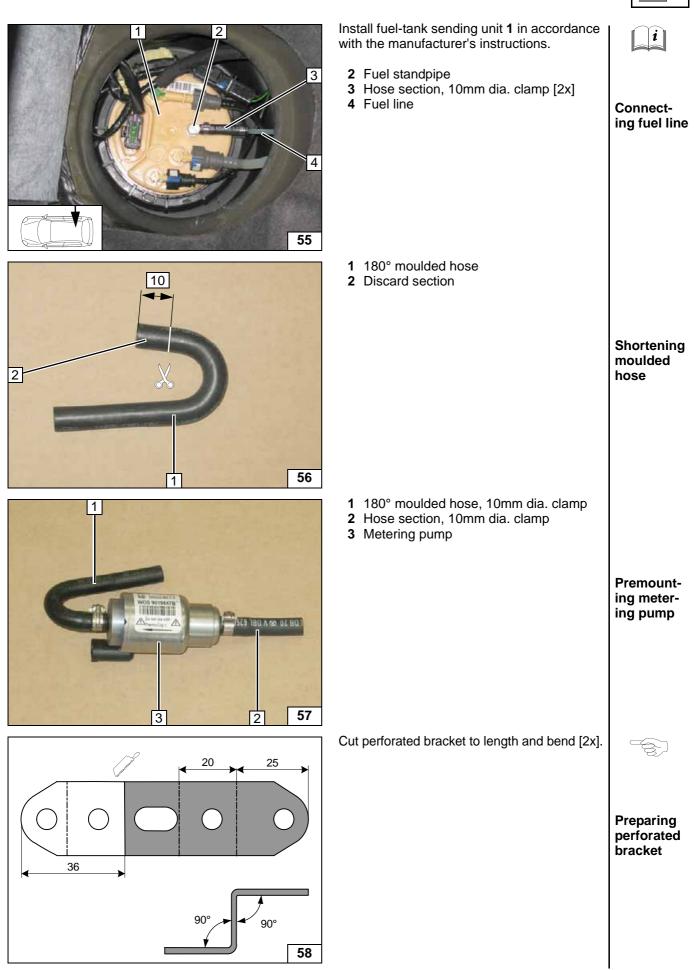




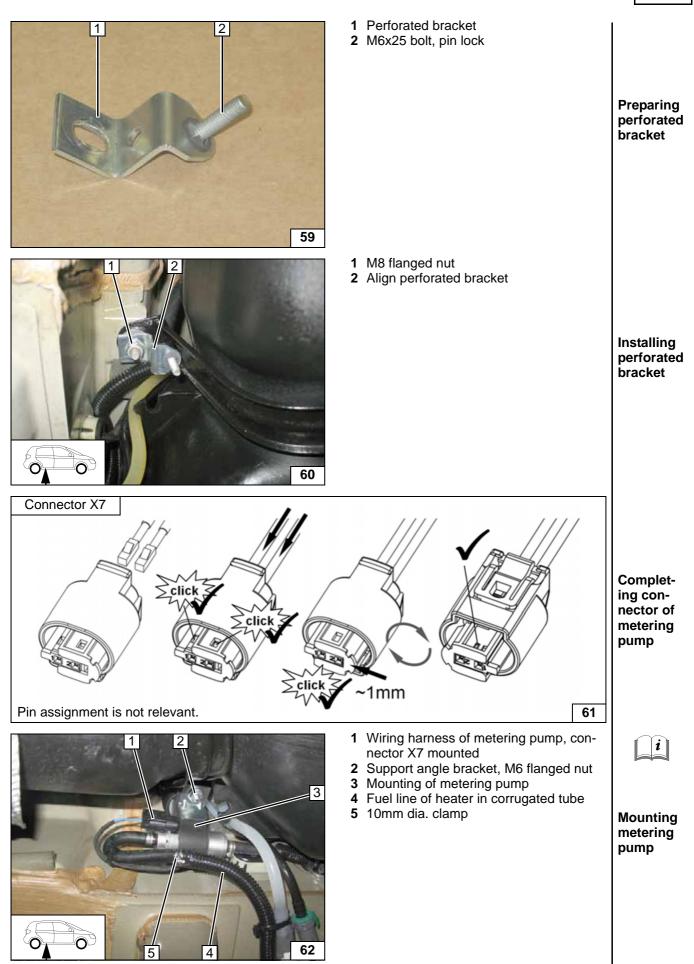




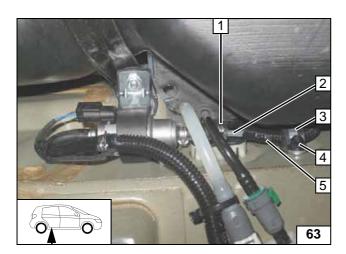












Slide 10mm dia., 330mm long corrugated tube **5** onto fuel line of fuel standpipe **2**.

- 1 10mm dia. clamp
- 3 15mm dia. rubber-coated p-clamp4 Plastic nut, original vehicle stud bolt



Connection of metering pump



Cutting combustion air pipe to length

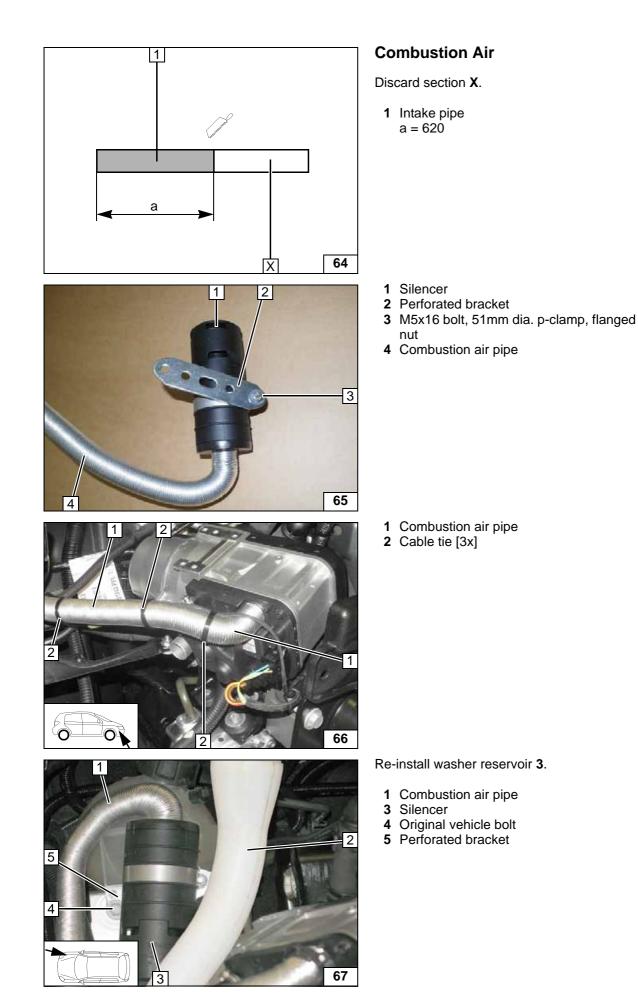
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Premounting silencer

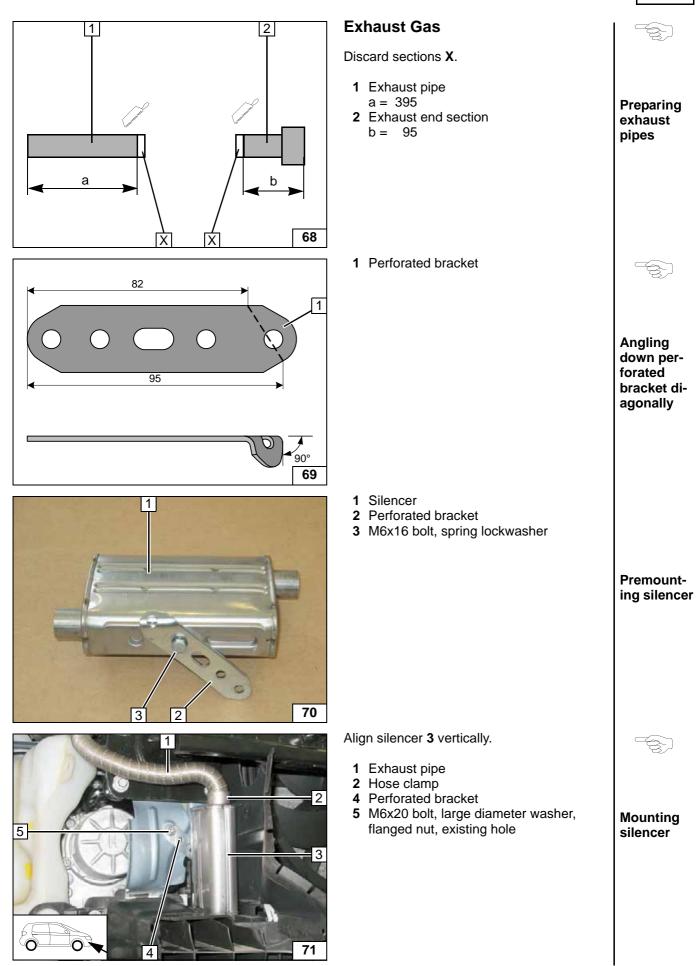
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Mounting combustion air pipe

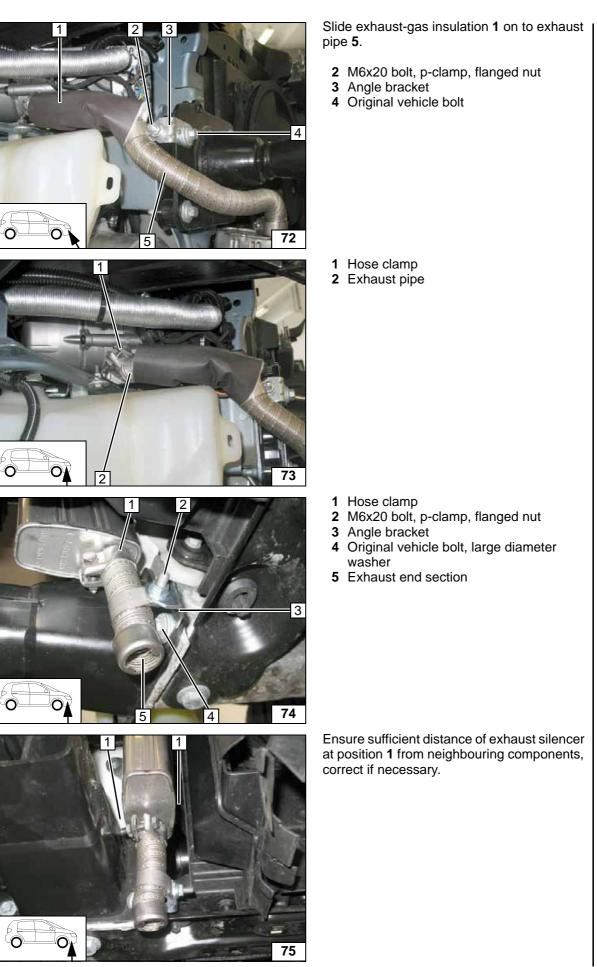
Mounting silencer









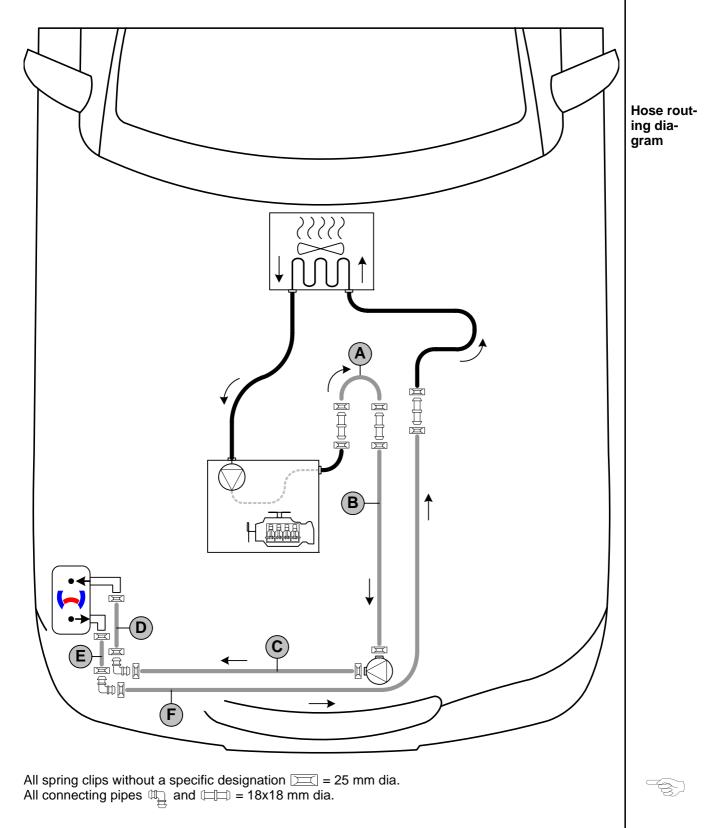


as insulation 1 on to exhaust	
p-clamp, flanged nut et iicle bolt	Mounting exhaust pipe
e	Mounting exhaust pipe
p-clamp, flanged nut et nicle bolt, large diameter d section	Mounting end section
t distance of exhaust silencer n neighbouring components, sary.	Aligning si- lencer and end section

Coolant Circuit

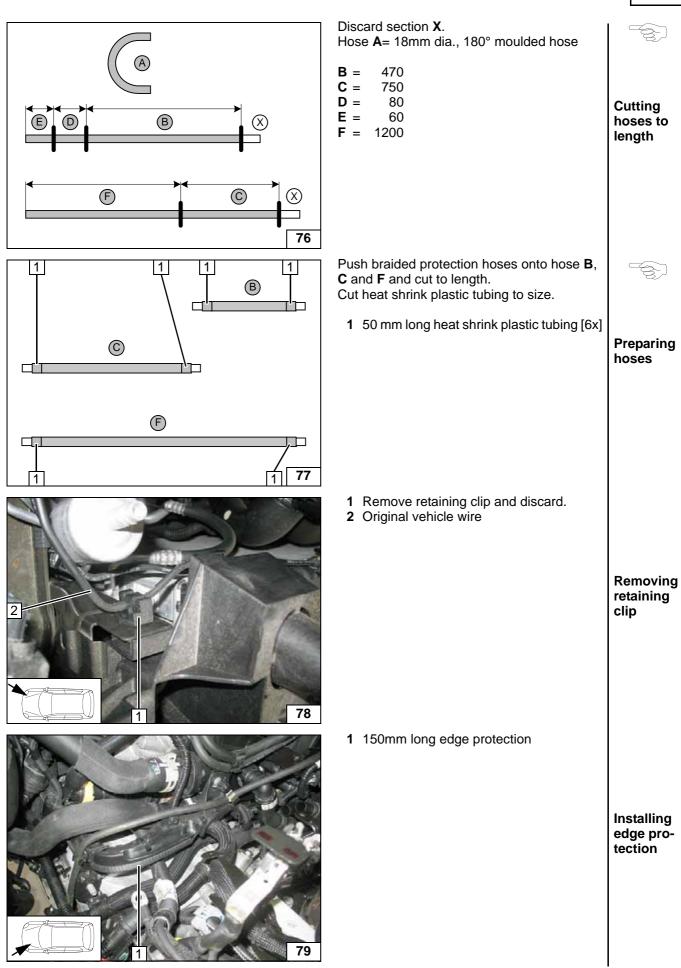
WARNING!

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 be modelled on an "inline" circuit and based on the following diagram:

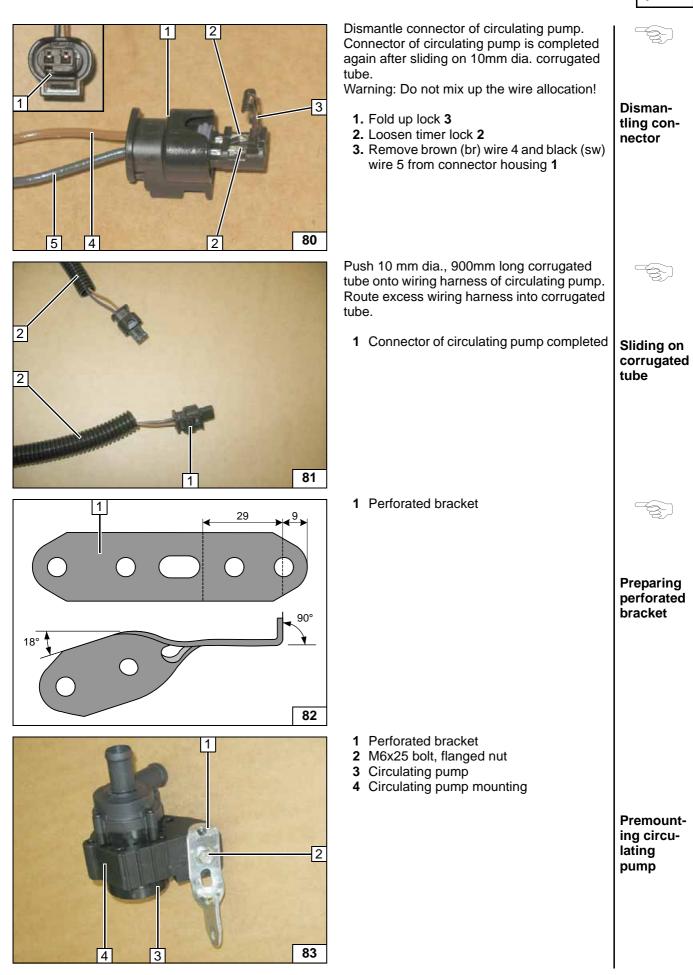




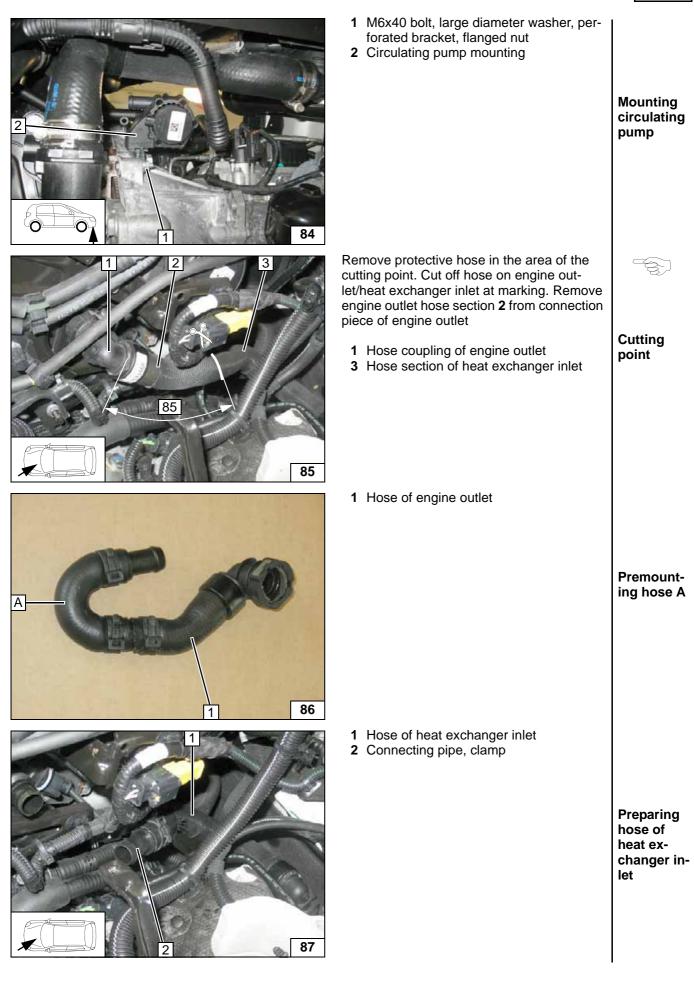




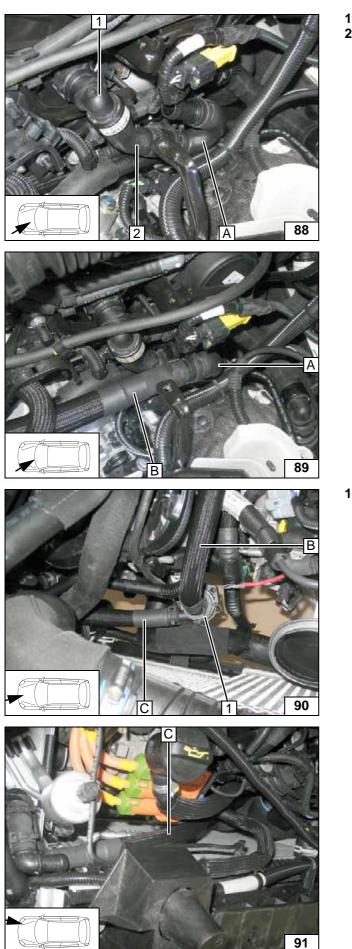






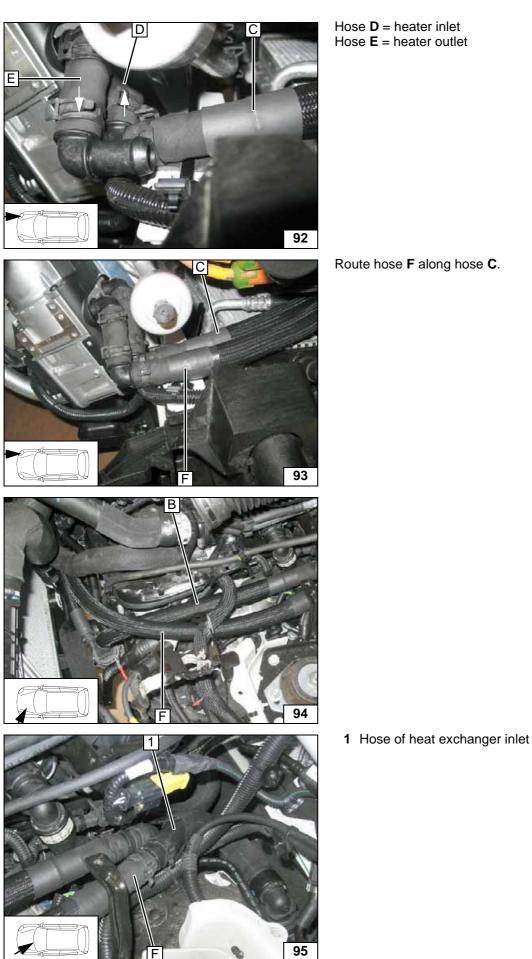






 Hose coupling of engine outlet
 Hose of engine outlet **Connect**ing engine outlet Mounting hose B 1 Circulating pump Connection of circulating pump Routing in engine compartment





Route hose **F** along hose **C**.

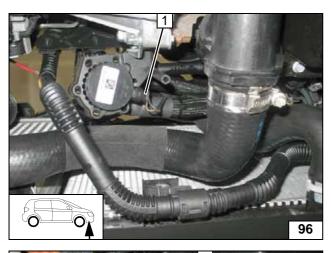


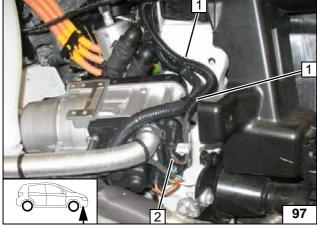
Connecting heater

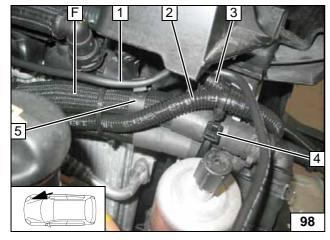
Routing in engine compartment

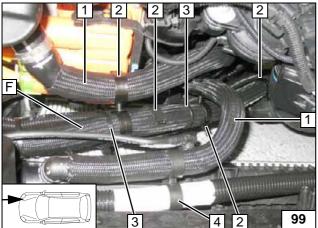
Routing in engine compartment

Connecting heat exchanger inlet







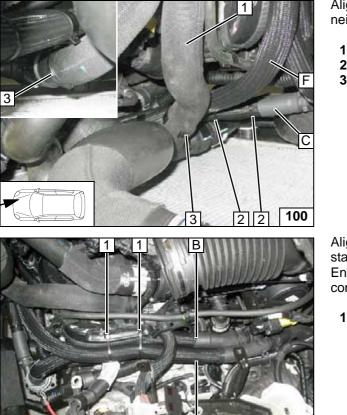


1 Connector of circulating pump wiring har- ness	
	Mounting wiring har- ness
 Cable tie [2x] Connector of circulating pump wiring harness 	Mounting wiring har- ness
Align hoses. Ensure sufficient distance from neighbouring components.	
 Original vehicle wire Wiring harness of circulating pump in corrugated tube Wiring harness of heater in corrugated tube Clip-type cable tie, existing hole 9x25 spacer bracket 	Routing in engine compart- ment
 Align hoses. Ensure sufficient distance from neighbouring components. 1 Original vehicle hose 2 25x25 spacer bracket [4x] 3 Cable tie 	Routing in
4 22x13 spacer bracket	engine compart- ment



Ident. No.: 1317878E_EN





Align hoses. Ensure sufficient distance from neighbouring components.

- Original vehicle hose
 Cable tie [2x]
 25x37 spacer bracket



Routing in engine compartment

Align hoses. Check routing of hose **F** after installation of air filter box, correct if necessary. Ensure sufficient distance from neighbouring components.

1 Cable tie

10

Routing in

engine compartment

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).

Activation of hybrid system

The hybrid system is to be re-activated prior to connecting the 12V vehicle battery.

- Connect the battery.
- Fill and bleed the coolant circuit according to the vehicle manufacturer's instructions.
- Program MultiControl, teach telestart transmitter.
- Settings on the A/C control panel are not required.

1

• Place caution label "Switch off parking heater before refuelling" in the area of the filler neck.

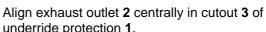
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· For initial startup and function check, please see installation instructions.



Cut out underride protection 2 as shown.

1 Discard cutout











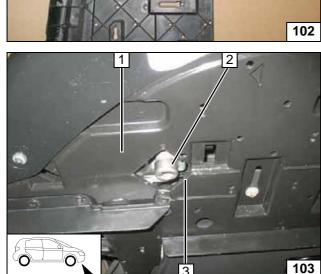


Cutting out underride protection



Mounting underride protection

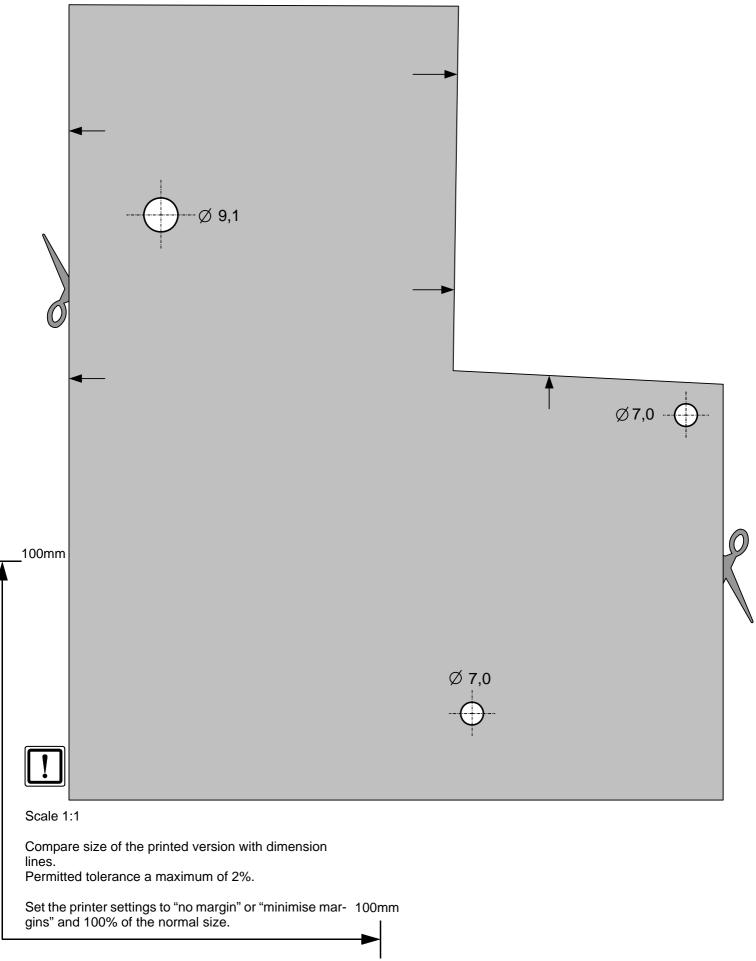
Webasto Thermo & Comfort SE Postfach 1410 82199 Gilching Germany Internet: www.webasto.com Technical Extranet: http://dealers.webasto.com



underride protection 1.



Template for Bracket

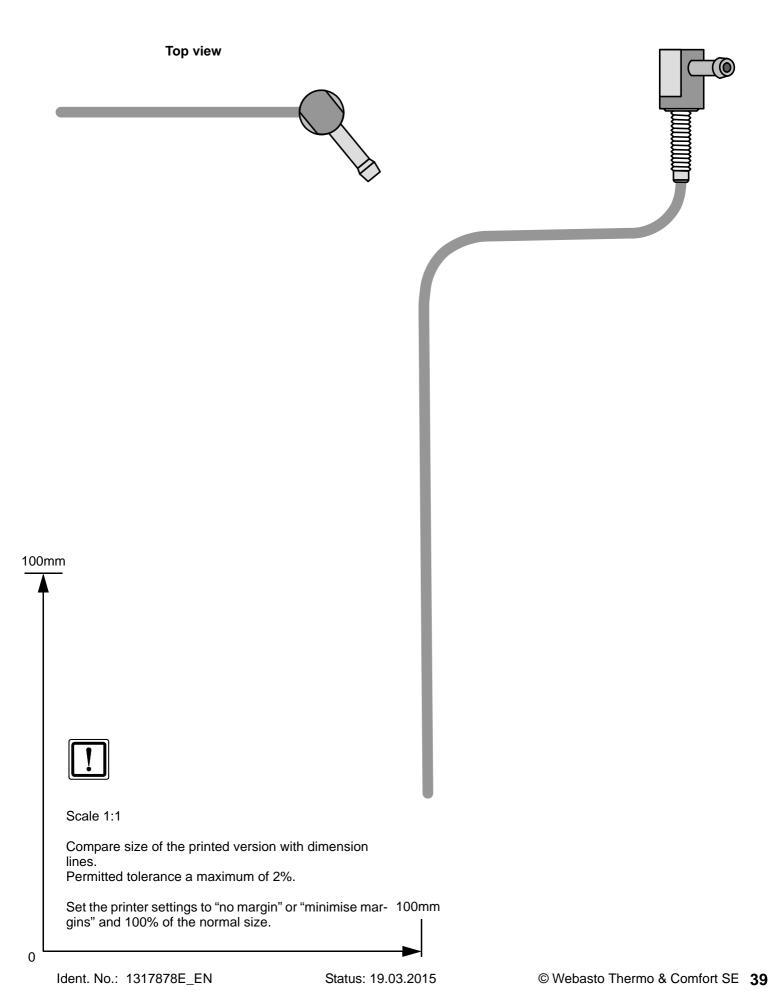


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Status: 19.03.2015



Template for Fuel Standpipe





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compartment

fuses

Operating Instructions for Manual Air-Conditioning

Please remove page and add to the vehicle operating instructions.

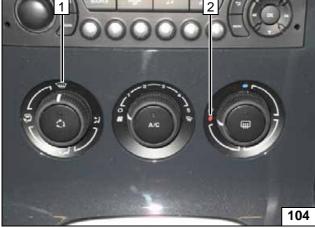
Note:

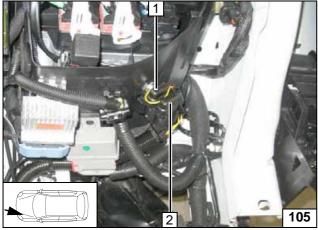
We recommend matching the heating time to the driving time. Heating time = driving time **Example:** For a driving time of approx. 20 min. (in one direction), we recommend not exceeding a switch-on time of 20 min.

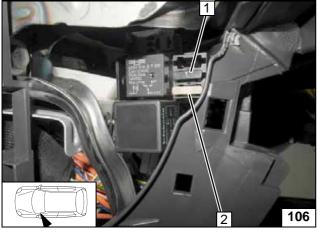
Passenger compartment monitoring, if installed, must be deactivated in addition to the vehicle settings for the heating operation.

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

Before parking the vehicle, make the following settings:







The fan speed does not need to be preset. **1** Air outlet to windscreen 2 Set temperature to "max." A/C control panel 1 30A main fuse F2 of passenger compartment 2 20A heater fuse F1 Engine compartment fuses **1** 1A heater control fuse F3 2 25A fan fuse F4 Passenger



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Operating Instructions for Automatic Air-Conditioning

Please remove page and add to the vehicle operating instructions.

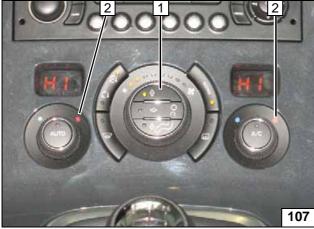
Note:

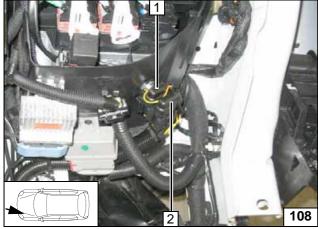
We recommend matching the heating time to the driving time. Heating time = driving time **Example:** For a driving time of approx. 20 min. (in one direction), we recommend not exceeding a switch-on time of 20 min.

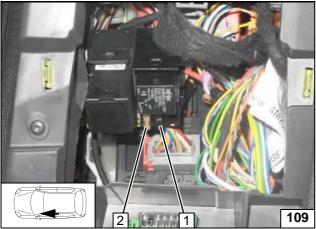
Passenger compartment monitoring, if installed, must be deactivated in addition to the vehicle settings for the heating operation.

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

Before parking the vehicle, make the following settings:







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	The fan speed does not need to be preset.	
	 Air outlet faces upward Set temperature on both sides to "HI" 	
07		A/C control panel
	 30A main fuse F2 of passenger compartment 20A heater fuse F1 	
08		Engine com- partment fus- es
	1 1A heater control fuse F32 25A fan fuse F4	
09		Passenger compartment fuses