Water Heater Unit



Thermo Top E Additional Heater 00 0003 Thermo Top C Additional Heater 00 0002 Thermo Top P Additional Heater 00 0104

Installation Documentation

Peugeot 3008 / 5008

Gasoline from Model Year 2009 Left-hand drive vehicle Manual transmission



WARNING!

Hazard warning:

Incorrect installation or repair of Webasto heating systems may cause a fire or result in the emission of carbon monoxide, which can be fatal. Serious or fatal injuries can be caused as a result.



Specialist company training, technical documentation, specialized tools and equipment are required to install and repair Webasto heating and cooling systems.

Only genuine Webasto parts may be used. See also Webasto air and water heaters accessories catalogue.

NEVER attempt to install or repair Webasto heating or cooling systems if you have not successfully completed the company training and thereby acquired the required technical skills, or if you do not have access to the required technical documentation, tools and equipment needed to carry out correct installation and repairs.

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

Webasto does not accept any liability for defects and damage that are attributable to installation by untrained staff.

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	3 3 4 5 5 6 8 9 12 14	 Installing bracket Installing heater unit Combustion air Fuel Coolant circuit Exhaust gas Final Work Coding BSI Central switching unit Template for Fuel Standpipe on 3008 Template for Fuel Standpipe on 5008 Operating Instructions for End Customer

Validity

Manufacturer	Model	Туре	EG-BE No./ABE
Peugeot	3008	OU	e2 * 2001 / 116 * 0377 *
Peugeot	5008	OE	e2 * 2007 / 46 * 0004 *
		1	
Engine type	Engine model	Output in kW	Displacement in cm ³
5FW	Gasoline	88	1598
5FX	Gasoline	110	1598
JAX	Gasoline	115	1598

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

The installation location of the digital timer should be confirmed with the end customer before installation.

Heater Unit/Installation Kit

Quantity	Description	Order No.:
1	Retail accessories Thermo Top E/C/P	See price list
1	Installation kit for Peugeot3008 / 5008 Gasoline	1314513B
1	Heater control	See price list

Also required with manual air conditioning:

Quantity	Description	Order No.:
1	Additional Kit for Fan Controller without BSI	1315783A

Heater unit recommended for the respective vehicle class:

Vehicle	Heater Unit
Compact car	Thermo Top E
Mid-size car, station wagon	Thermo Top C
Full-size car, van, offroader	Thermo Top P

The selection of the heater unit is based on the passenger compartment size of the vehicle and the level of comfort required by the customer!

Foreword

This installation documentation applies to Peugeot 3008 / 5008 Gasoline vehicles - for validity, see page 2 - from model year 2009 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.

However, the stipulations in this "installation documentation" and the "operating and maintenance instructions" for the *Thermo Top C/P/E* must always be observed.

The corresponding rules of technology and any information from the vehicle manufacturer should be observed during the installation work.

General Instructions

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.

Sharp edges must be provided with rub protection (cut-open fuel hose)!

Spray unfinished body areas, e.g. drilled holes, with anti-corrosion wax (Tectyl 100K, Order No. 111329).

When installing an IPCU, the corresponding adjustment values must be checked and if necessary adjusted prior to installation!

Special Tools

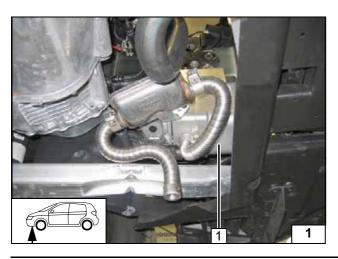
- Torque wrench for 2.0 10 Nm
- Hose clamping pliers
- Metric thread-setter kit

Preliminary Work

WARNING!

- Disconnect the battery "earth" or "ground" connection.
- Depressurize the cooling system.
- Copy the factory number from the original type label to the duplicate type label.
- Remove years that do not apply from the duplicate label.
- Attach the duplicate label (type label) in the appropriate place.
- Open the fuel tank cap and vent the fuel tank.
- Close the tank cap again.
- Remove the engine cover (depending on the vehicle equipment, if installed)
- Remove the air filter box with the intake hose and the resonator.
- Remove the bracket for the resonator.
- Completely remove the battery and the battery carrier.
- Remove the left front wheel.
- Remove the underride protection (if installed).
- Remove the left-hand wheel well trim.
- Detach the right rear bench seat and fold it up (3008 only).
- Open the tank-fitting service lid on the right (only 3008).
- Remove the fuel-tank sending unit in accordance with the manufacturer's specifications (3008 only).
- Lower the fuel tank (5008 only).
- Detach the exhaust system (5008 only).
- Remove the lower instrument panel trim on the driver's side.

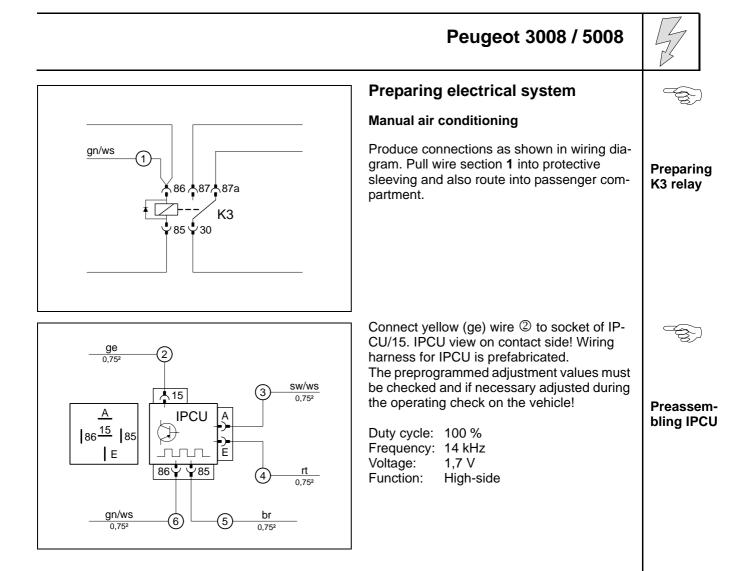
Remove page 31 "Operating Instructions for End Customer" and add it to the vehicle operating instructions!



Heater unit installation location

1 Heater unit

Installation location



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Automatic air-conditioning Cut off black (sw) wire 5 (0.75 mm ²) from wir- ing harness of heater unit. Cut off red/white (rt/ws) wire 6 (4 mm ²) of fuse F3. Remove in- sulation from ground wires to node point and cut off brown (br) wire 4 (0.75 mm ²) from wir- ing harness of digital timer. Remove red/white (rt/ws) wire 1 (4 mm ²) from K3/87, red (rt) wire 3 (4 mm ²) from K3/87a and black (sw) wire 2 (4 mm ²) from K3/30.	Preparing fuse F3 and K3 re- lay
Insulate and tie back ends of red/white (rt/ws) wire 5 and black (sw) wire 4 . Insulate ground wires 3 . Insert brown (br) wire 2 (0.75 mm ²) from wir- ing harness of heater controls in K3/30. Also connect black (sw) wire 1 to K3/85 and to K3/87.	Preparing K3 relay
Strip insulation from approx. 500 mm of wiring harness of digital timer 3 . Detach 0.75 ² brown (br) wire 1 from wiring harness, crimp on mi- crotimer and then re-insulate remaining wires!	Preparing wiring har- ness of digital tim- er

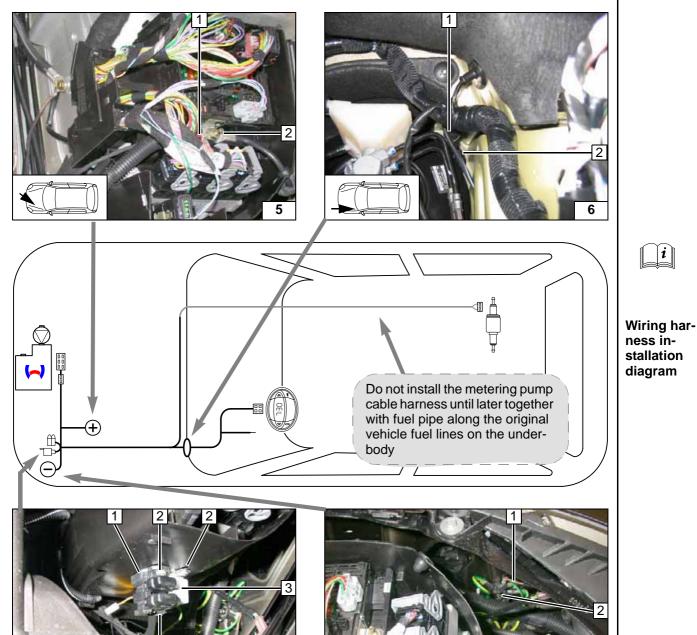
Electrical system

Connecting positive wire

- 1 Red (rt) wire, 8 mm dia. cable lug
- 2 Original vehicle positive support point

Wiring harness pass through

Route wiring harness of digital timer along original vehicle wiring harness 1 to protective rubber plug 2 and into passenger compartment.



3 K3 relay

Fuse holder, K3 relay

plastic nut [2x each]

air-conditioning

1 Retaining plate of fuse holder

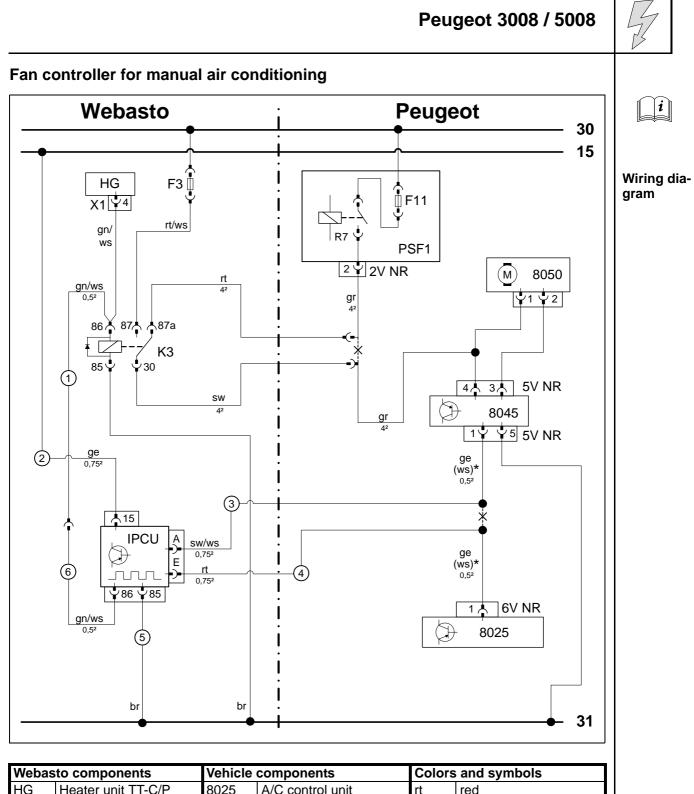
2 4 mm dia. hole, 5.5x13 self-tapping screw;

4 Fuses mounted (illustration shows automatic

Connecting ground wire

- 1 Brown (br) wire
- 2 Original vehicle ground support point

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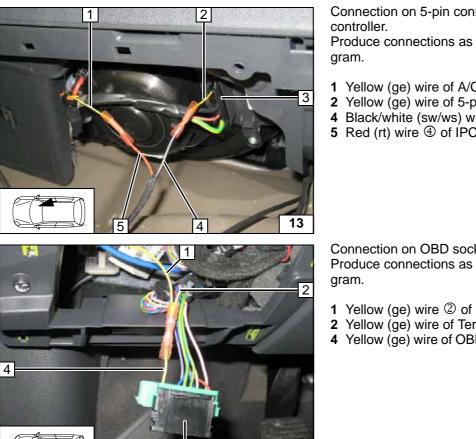


Webas	sto components	Vehicle	components	Colors	s and symbols	
HG	Heater unit TT-C/P	8025	A/C control unit	rt	red	
X1	6-pin heater unit connector	8045	Fan controller	WS	white	
F3	25 A fuse	F11	Fuse	SW	black	
K3	Fan relay	PSF1	Operating PCB in engine-	br	brown	Ι.
IPCU	Pulse width modulator		compartment fuse box	gn	green	L
		8050	Fan motor	gr	gray	
		2V NR	2-pin connector PSF1	ge	yellow	
		5 V NR	5-pin connector 8045	gr	gray	
IPCU a	adjustment values:	6 V NR	6-pin connector 8025			
Duty c	ycle: 100 %					
Freque	ency: 14 kHz					
Voltage	e: 1,7 V			Х	Cutting point	
Function	on: High-side			Wiring	colors may vary.	

Legend

Peugeot 3008 / 5008 Connection on 2-pin connector 2 from operat-1 2 3 ing PCB in engine-compartment fuse box (PSF1) 3. Produce connections as shown in wiring diagram. Connec-**1** Gray (gr) wire of fan module tion on 4 Gray (gr) wire of 2-pin connector PSF1, PSF1 Pin2 6 5 Red (rt) wire from K3/87a 6 Black (sw) wire from K3/30 Fasten socket of IPCU on original vehicle wiring harness with cable tie. Mount IPCU 1 . Installing IPCU 10 1 Brown (br) wire 5 of IPCU/85 2 M5x16 bolt, flanged nut, existing hole Ground connection of 2 IPCU 1 Green/white (gn/ws) wire ① K3/86 Ì 2 AMP connector 3 Green/white (gn/ws) wire 6 IPCU/86 **Connect**ing IP-CŬ/86 3 1 12 2

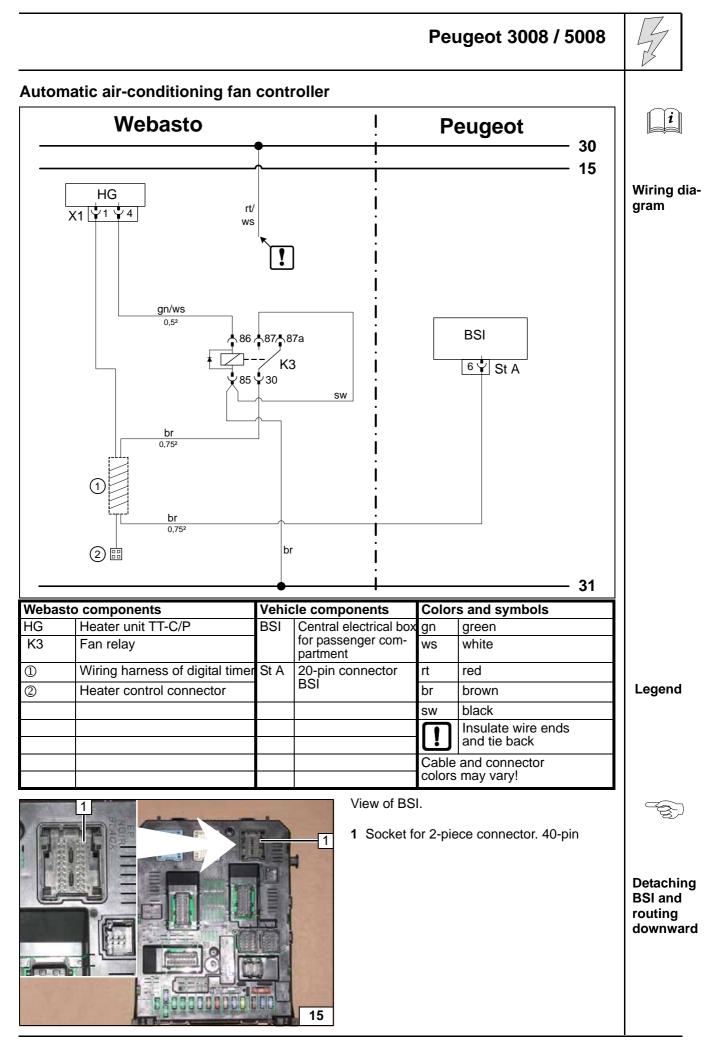
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Connection on 5-pin connector 3 from fan ontroller. Produce connections as shown in wiring dia- ram.	(fy)
Yellow (ge) wire of A/C control panel Yellow (ge) wire of 5-pin connector, Pin1 Black/white (sw/ws) wire ③ of IPCU/A Red (rt) wire ④ of IPCU/E	Connect- ing fan controller
Connection on OBD socket outlet 3 . Produce connections as shown in wiring dia- ram.	
Yellow (ge) wire ② of IPCU/15 Yellow (ge) wire of Terminal 15 Yellow (ge) wire of OBD socket outlet, Pin1	Connect- ing IPCU Terminal 15



- Press in locking lug 1 and fold down bar 3.
- 2 20-pin blue connector

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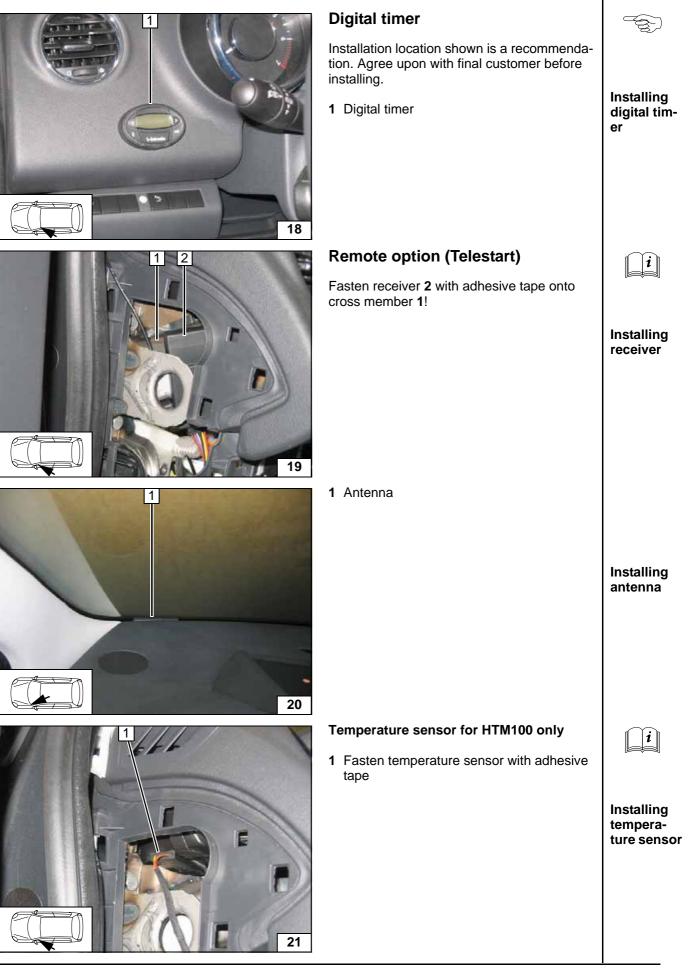
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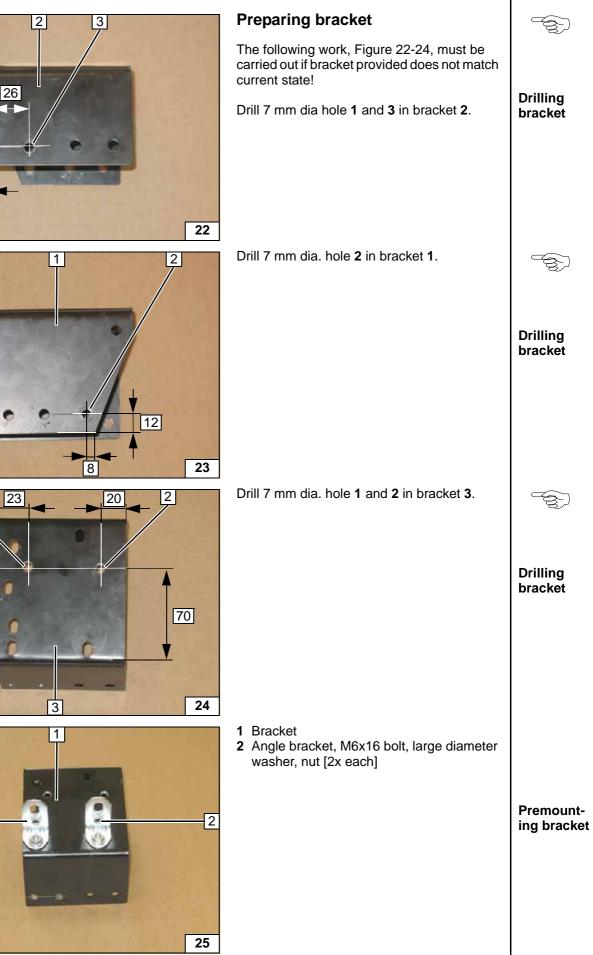
Pulling connector off BSI and removing

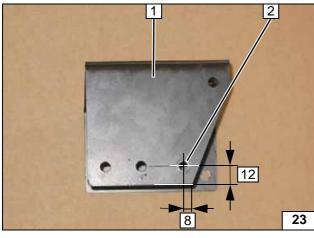
Connection on 20-pin blue (bl) connector **2** from BSI. Insert microtimer from brown (br) wire **1** in PIN 6. Complete BSI connector and mount.

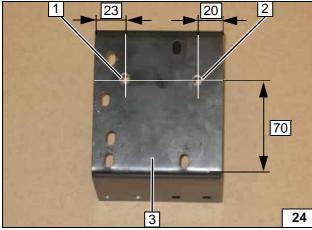
Route wiring harness of digital timer upward to installation location of digital timer. Produce connections as shown in wiring diagram.

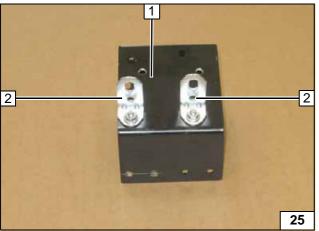
Connection of BSI







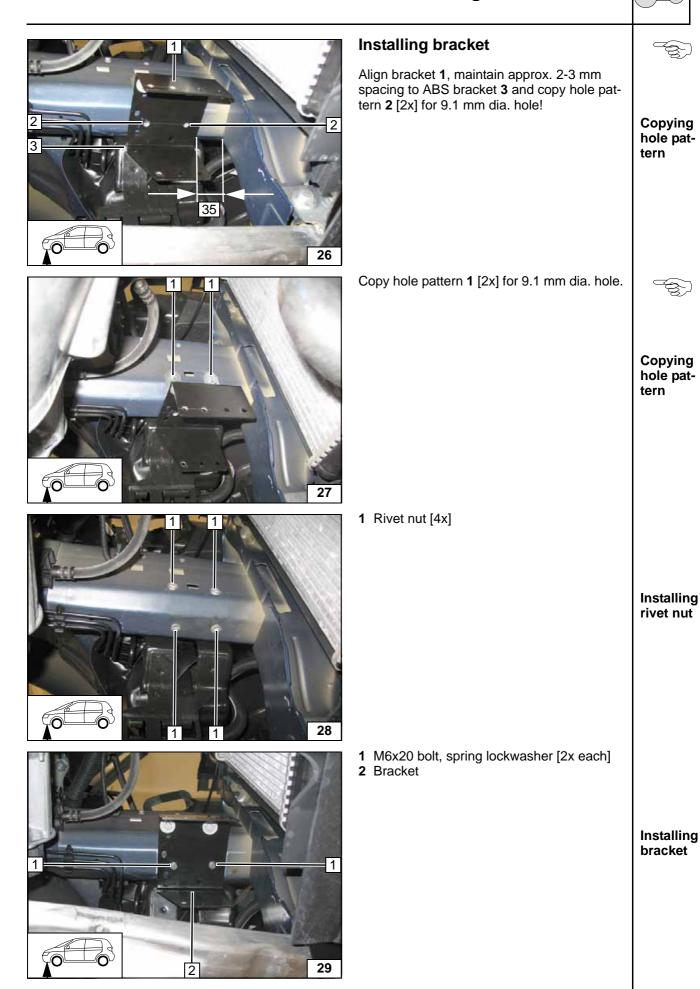




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1 M6x20 bolt, spring lockwasher, flanged nut [2x each]

Installing bracket

 \Box

Installing heater unit

1 Ejot screws [2x]2 Heater unit

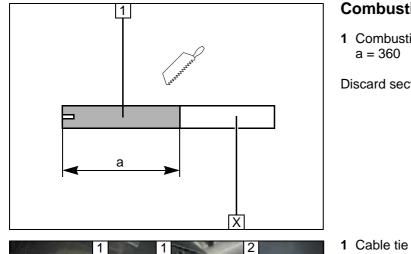
1

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Installing heater unit

Installing heater unit

- 31 1 Ejot screw
- Ô **N** r 32



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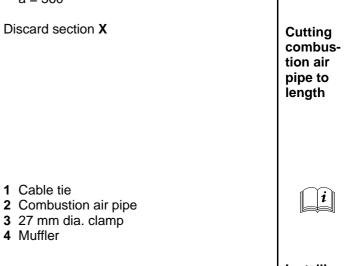
Combustion air

1 Combustion air pipe a = 360

Discard section X

3 27 mm dia. clamp

4 Muffler



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Installing combustion air pipe and muffler

Fuel

CAUTION!

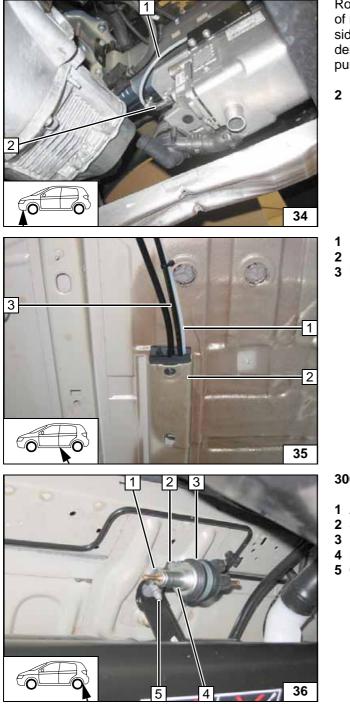
Open the vehicle's fuel tank cap, ventilate the tank and then re-close the tank lock.

Catch any fuel running off with an appropriate container.

Install fuel line and metering-pump wiring harness so that they are protected against stone impact. Unless specified otherwise, always fasten using cable ties. Mount the fuel line and wiring harness with rub protection on sharp edges.

WARNING!

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



Route fuel line **1**, together with wiring harness of metering pump to firewall on right-hand side of vehicle and further in line duct on underbody to installation location of metering pump.

2 Hose section, 10 mm dia. clamp [2x]

Connection to heater unit

- 1 Fuel line from heater unit
- 2 Line duct
- 3 Metering pump wiring harness

Installing lines

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Installing

metering pump

3008

- 1 Angle bracket
- 2 Silent block, flanged nut [2x]
- 3 Rubber-coated pipe clamp
- 4 Metering pump
- 5 Original vehicle bolt

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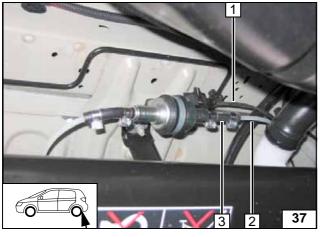


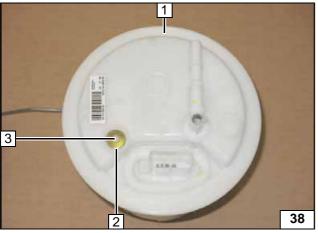
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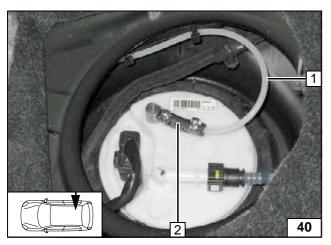
Connect-

ing to me-

tering pump







Check the position of the components; adjust if necessary. Check that they have free clearance.

- 1 Wiring harness of metering pump, connector mounted
- 2 Fuel line from heater unit
- **3** Hose section, 10 mm dia. clamp [2x]

Remove fuel-tank sending unit **1** in accordance with manufacturer's specifications.

2 5 mm dia. large diameter washer3 Copy hole pattern, 6 mm dia. hole

Removing fuel

Shape fuel standpipe **1** according to template, cut to length and install.



Installing fuel standpipe

Install fuel-tank sending unit **3** in accordance with manufacturer's instructions.

- 1 Fuel line
- 2 Hose section, 10 mm dia clamp [2x]

Connecting fuel

line

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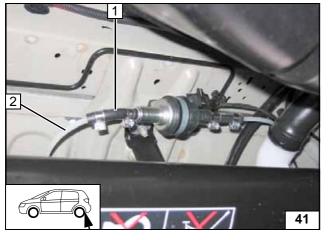
Check the position of the components; adjust if necessary. Check that they have free clear-

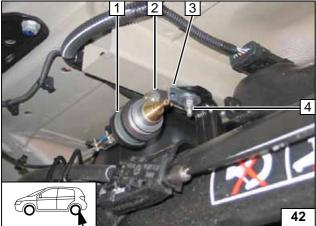
1 Hose section, 10 mm dia. clamp [2x]

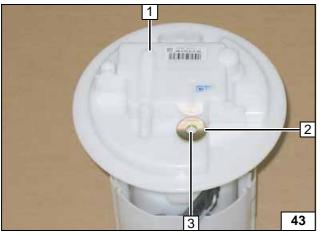
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5008

2 Fuel line





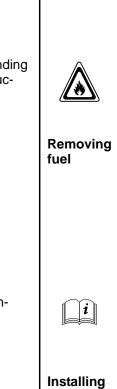


unit 1 according to manufacturer's instructions!

2 Large diameter washer

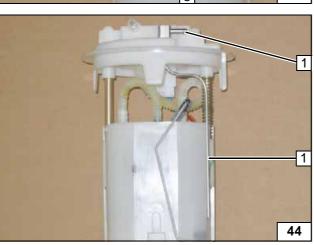
plate, cut to length and install.

3 Copy hole pattern, 6 mm dia. hole



Connect-

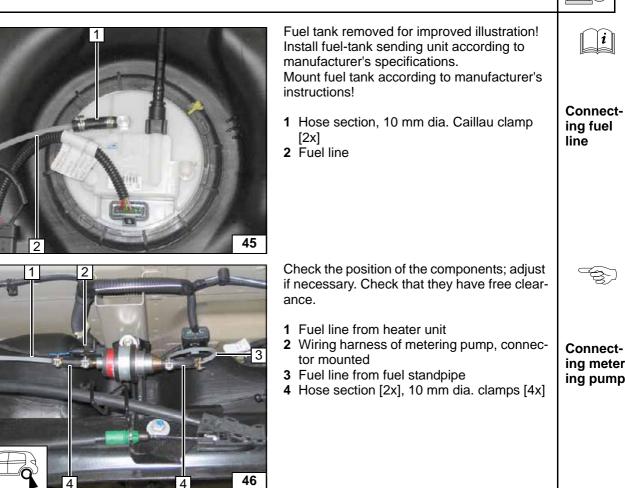
ing metering pump



i **1** Rubber-coated pipe clamp 2 Silent block, flanged nut [2x] 3 Angle bracket 4 Original vehicle nut, large diameter washer Installing metering pump Lower fuel tank and remove fuel-tank sending Shape fuel standpipe 1 according to tem-

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fuel standpipe



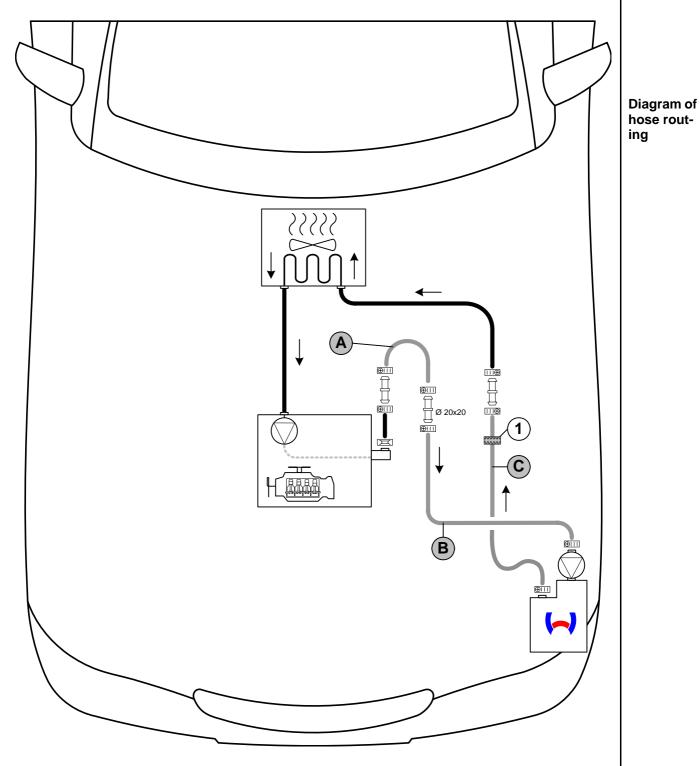
Connecting metering pump

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Coolant circuit

WARNING!

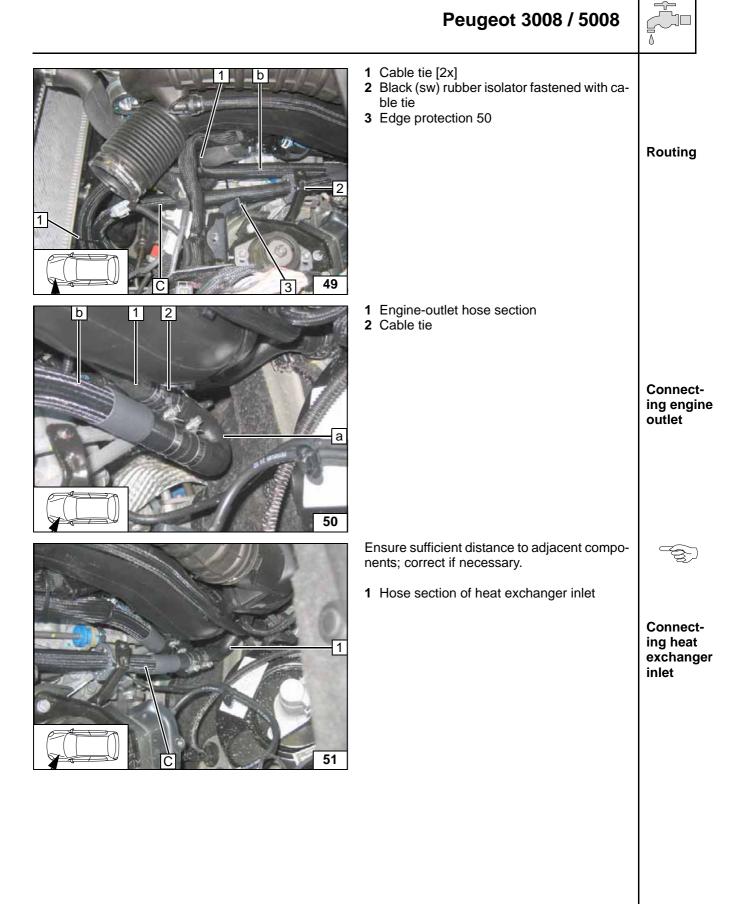
Any coolant running off should be collected using an appropriate container! Route hoses kink-free! Unless specified otherwise, always fasten using cable ties. Position clamps so that no other hose can be damaged! When installing the hoses, the heater must be filled with coolant. Connection is carried out "inline" according to the following diagram:



All hose clamps 0 = 20-27 mm dia.! All connecting pipes without a specific designation 1 = dia. 18x20. **1** = Black (sw) rubber isolator 1.

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	Peugeot 3008 / 5008	
	Hose $A = 180^{\circ}$ molded hose Shorten hose B . Discard section X B = 650 C = 630	
		Cut hoses to length
©	Push braided protection hoses onto hose B and C and cut to length. Cut heat shrink plastic tubing to length and shrink to size.	
	1 50 mm long heat shrink plastic tubing [4x]	Prepare hoses
	Cut off original vehicle hose on engine out- let/heatexchangerinletatmarking. If present, remove original vehicle braided protection hose.	
	 Engine-outlet hose section Hose section of heat exchanger inlet 	Cutting point
		Connect- ing heater unit



	Peugeot 3008 / 5008	
	 Exhaust gas 1 Exhaust pipe a = 240 2 Exhaust end section b = 240 	Preparing exhaust pipe
50 50 65 52	Bend perforated bracket 1 by approx.90°.	Preparing perforated bracket
	 Exhaust muffler Ejot screw Perforated bracket, M6x20 bolt, flanged nut 	Installing exhaust muffler
	 Ensure sufficient distance to adjacent components; correct if necessary. 1 Hose clamp [3x] 2 Exhaust pipe 3 Exhaust end section 	Installing exhaust pipe and end sec- tion

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Peugeot 3008 / 5008	
 Underride protection 42 mm dia. hole 	Cutting out underride protection
Align exhaust end section 1 flush on red rubber isolator 2 .	Mounting rubber iso- lator
Vehicle without underride protection Ensure sufficient distance to adjacent compo- nents; correct if necessary.	
 M6x50 bolt, p-clamp, 30 mm shim, flanged nut on perforated bracket Align exhaust end section 	Mounting and fasten- ing end section

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Final Work

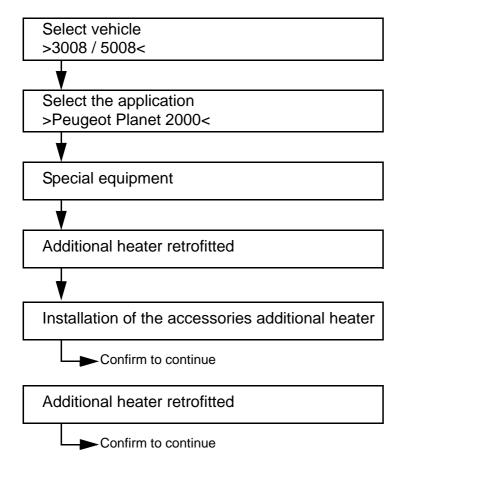
WARNING!

Mount removed parts in reverse order. Check all hoses, clamps and all electrical connections for firm seating. Secure all loose cables using cable ties. Only use manufacturer-approved coolant. Spray heater unit 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 specifications.
- Set the digital timer, teach the Telestart
- Check the proper operation of the additional heater, see the operating instructions/installation instructions.
- Attach the "Switch off additional heater before refueling" sticker near the filler neck

Coding BSI Central switching unit

The BSI central switching unit has to be configured as follows:

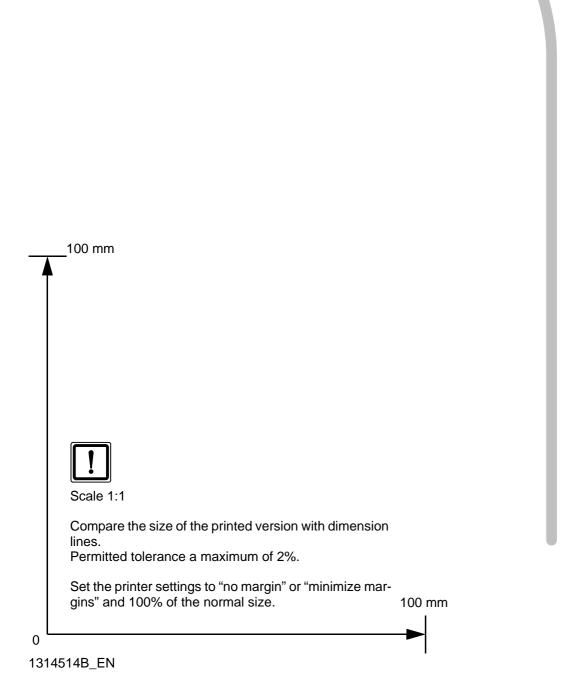


ebasto Feel the drive

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Template for Fuel Standpipe on 3008



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Template for Fuel Standpipe on 5008

