Water Heater Unit



Thermo Top V Additional Heater 00 0018

Installation Instructions

Citroen C5 / Peugeot 407

2.7 HDI

from Model Year 2008 Left-hand drive vehicle Automatic air-conditioning Automatic 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.

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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Validity

Manufacturer	Model	Туре	EG-BE No./ABE
Citroen	C5	R	e2 * 2001/116 * 0360 *

Manufacturer	Model	Туре	EG-BE No./ABE
Peugeot	407	6	e2 * 2001/116 * 0328 *

Engine type	Engine model	Output in kW	Displacement in cm ³
UHZ	Diesel	150	2720

Vehicle and engine types, equipment variants and national specifications not listed in these installation instructions have not been tested. However, installation according to these installation instructions 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	Delivery Scope of Citroen C5 / Peugeot 407 Diesel	1313878B
	Automatic Transmission	

Optional heater control either:

Quantity	Description	Order No.:
1	Digital timer	See price list
1	Telestart T91	See price list
1	Telestart T100 HTM	See price list
1	Y-adapter (with combination of digital timer and Telestart)	9001505A

Foreword

These installation instructions apply to Citroen C5 / Peugeot 407 2.7 HDI vehicles - for validity, see page 2 - from model year 2008 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 these installation instructions.

However, where this is the case the stipulations in the "installation instructions" and "operating and maintenance instructions" for the *Thermo Top V* should 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 should be fitted with edge protectors (split-open plastic hose).

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

Special Tools

- Torque wrench for 2.0 10 Nm
- Hose clamping pliers

Explanatory Notes on Document

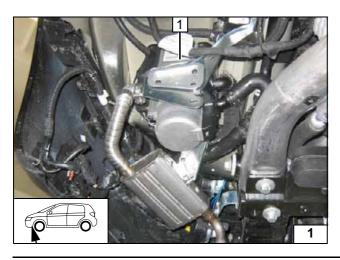
To provide you with a quick overview of the individual working steps. you will find an identification mark on

To provide you with a quick overview of the in on the outside top right corner of the page in	ndividual working steps, you will find an identification mark n question.		
Mechanical system			
Electrical system			
Water			
Fuel			
Exhaust gas			
Combustion air			
Special features are highlighted using th	e following symbols:		
	Specific risk of injury or fatal accidents.		
	Specific risk of damage to components.		
	Specific risk of fire or explosion.		
i	Reference to general installation instructions of Webas- to components or to the manufacturer's vehicle-specific documents.		
	Reference to a special technical feature.		
	The arrow in the vehicle icon indicates the position on the vehicle and the viewing angle.		
All dimensions are in mm! Tightening torque of hose clamps = 2.0 + 0.5 Nm! Tightening torque of Ejot screws, Ejot studs = 10 Nm!			

Preliminary Work

WARNING!

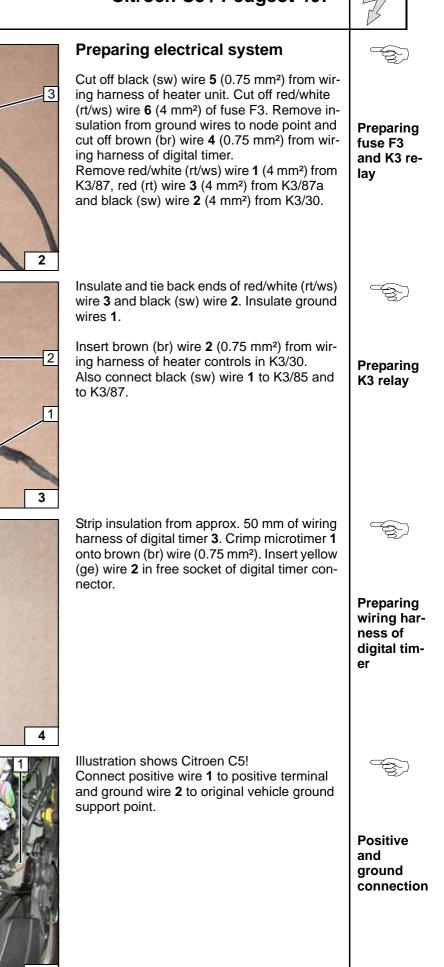
- Open fuel tank cap, ventilate tank.
- Close the tank cap again.
- Disconnect the battery "earth" or "ground" connection.
- Depressurize the cooling system.
- Copy the factory number from the original type label to the duplicate type label.
- Remove years that do not apply from the duplicate label.
- Attach the duplicate label (type label) in the appropriate place.
- Remove the left-hand wheel well trim.
- Remove the left front wheel.
- Remove the front underride protection.
- Remove the right rear underride protection.
- Fold over the right-hand rear seat
- Open the right-hand fuel sender service lid.
- Remove the instrument panel trim on the driver's side (only with Telestart).
- Remove the footwell trim on the driver's side.
- Remove the driver's side storage compartment.

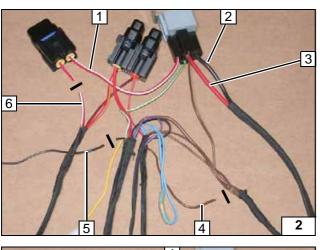


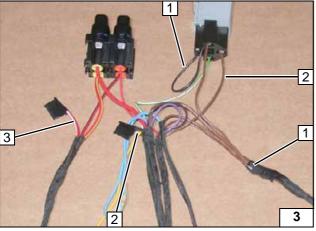
Heater unit installation location

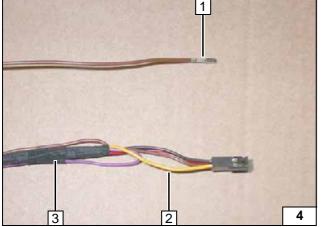
1 Heater unit

Installation location









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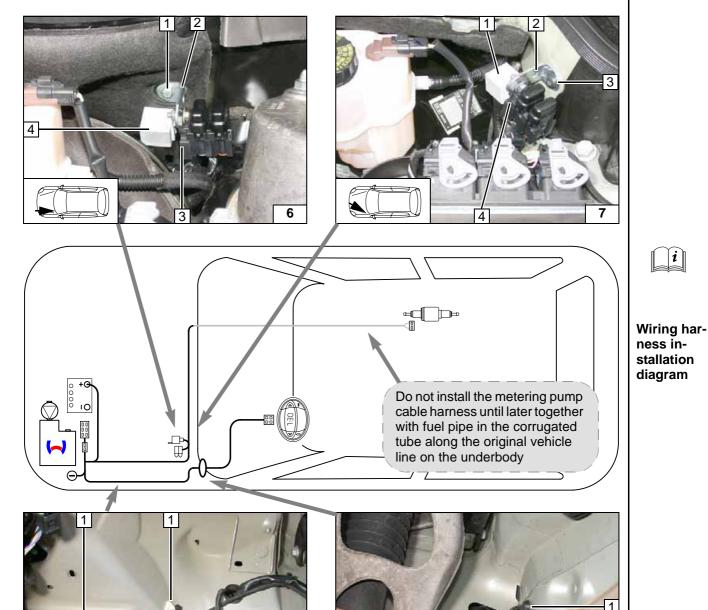
Electrical system

Fuse holder, K3 relay on Citroen C5

- 1 Original vehicle bolt
- 2 Angle bracket
- 3 M5x16 bolt, retaining plate for fuse holder, large diameter washer, flanged nut
- 4 K3 relay

Fuse holder, K3 relay on Peugeot 407

- 1 K3 relay
- 2 Angle bracket
- 3 Original vehicle bolt
- 4 M5x16 bolt, retaining plate for fuse holder, large diameter washer, flanged nut



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Wiring harness routing

Fasten wiring harness of digital timer 2 in wheel well with adhesive base 3 and cable tie [total of 4x each].

1 Drill out existing protective rubber plug

3

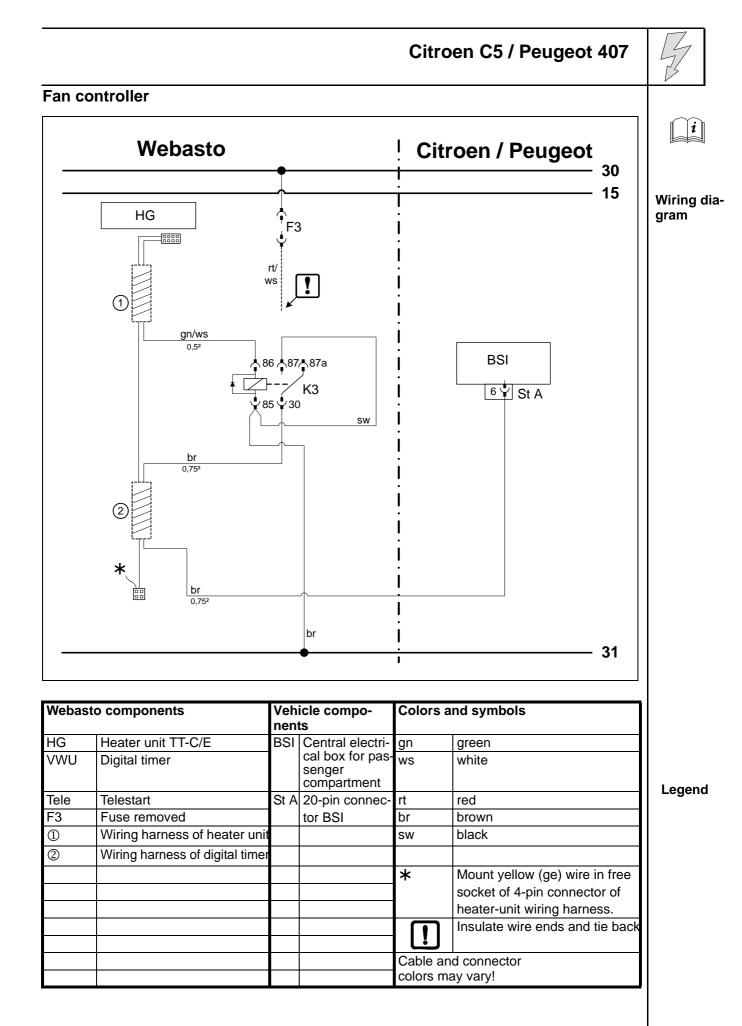
Wiring harness pass through of passenger compartment

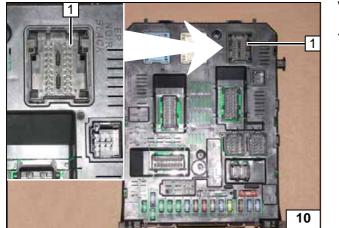
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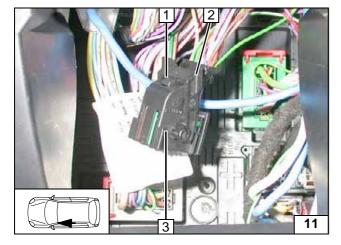
- 2 Wiring harness of digital timer
- 3 Adhesive base, cable tie

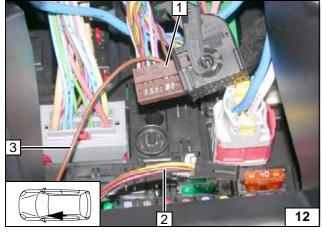
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View of BSI.

1 Socket for 2-piece connector. 40-pin

Detaching BSI and routing downward

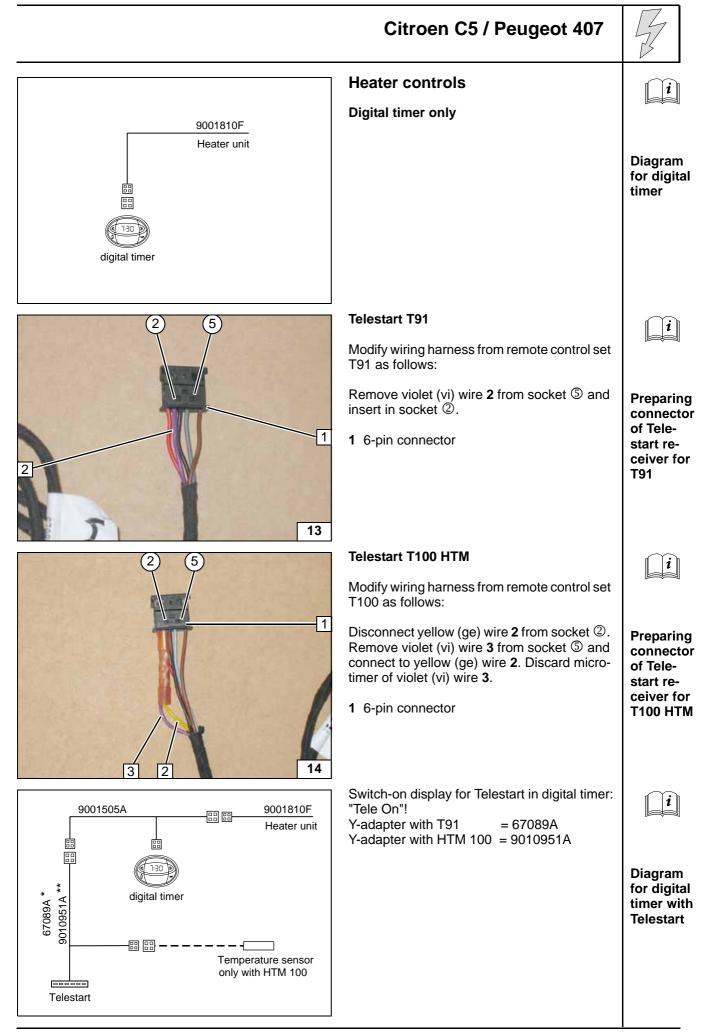
- Press in locking lug 1 and fold down bar 2.
- 3 2-piece connector

gram.

Pulling connector off BSI and removing

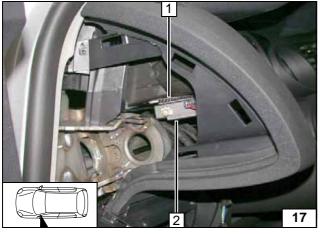
Connection on 20-pin connector **1** from BSI (connector color may vary)! Insert microtimer from brown (br) wire **3** in PIN 6. Route wiring harness of digital timer **2** upward to installation location of digital timer. Produce connections as shown in wiring dia-

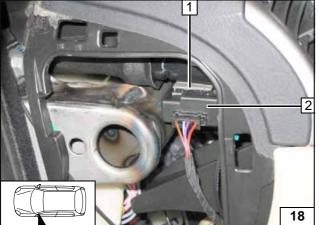
Connection of BSI



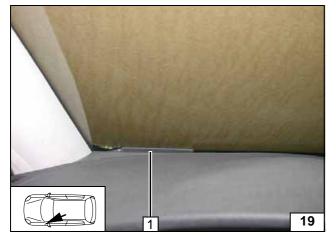








Digital timer option	
Citroen C5	
1 Digital timer	Installing digital tim- er
Peugeot 407	
1 Digital timer	Installing digital tim- er
Remote option (Telestart)	i
Citroen C5	
Mount connector (6-pin) from adapter wiring harness on receiver 2 . 1 Double-sided adhesive tape	Installing receiver
Peugeot 407	i
Mount connector (6-pin) from adapter wiring harness on receiver 2 .	
1 Double-sided adhesive tape	Installing receiver

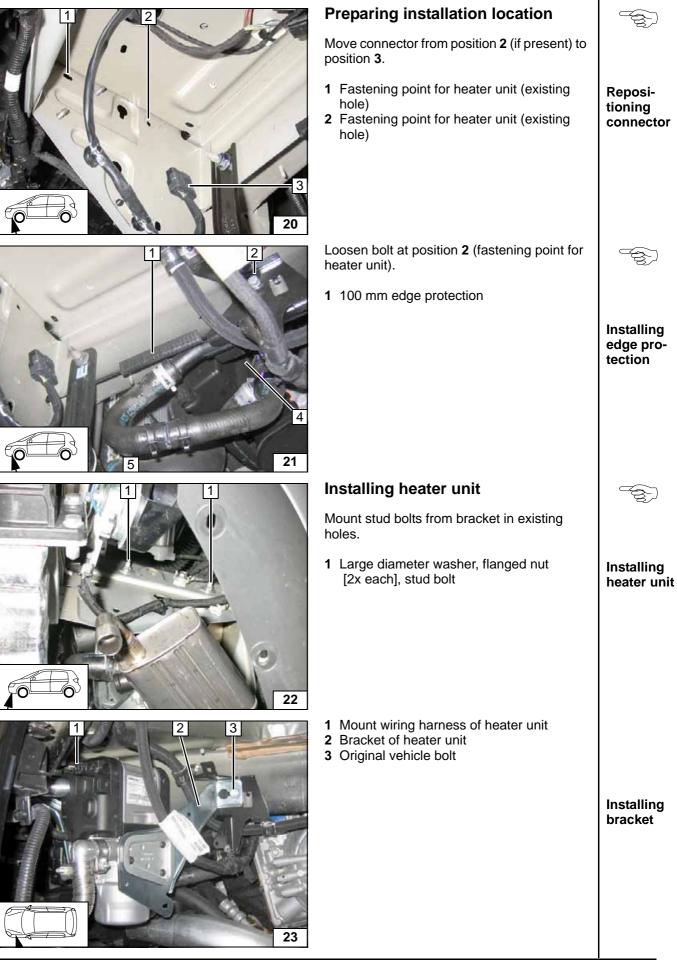


All vehicles

1 Antenna

Installing antenna

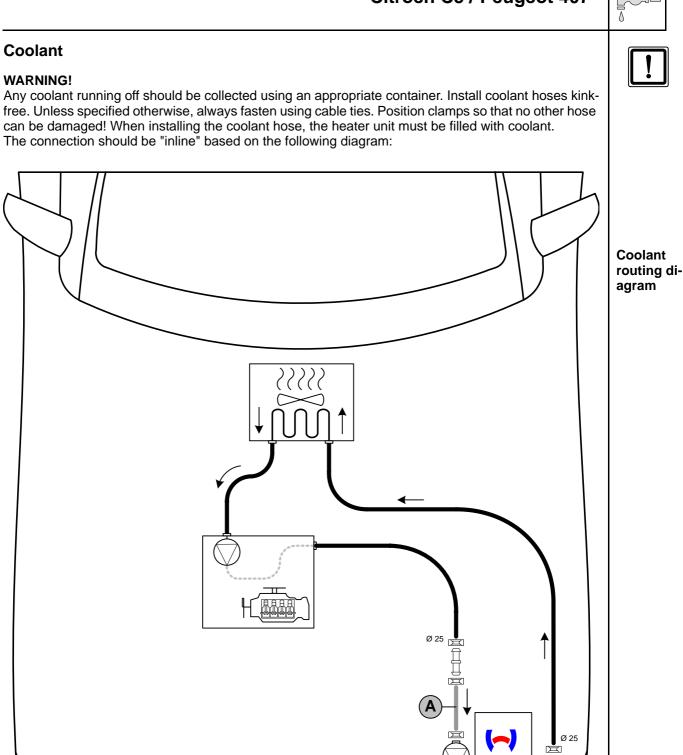




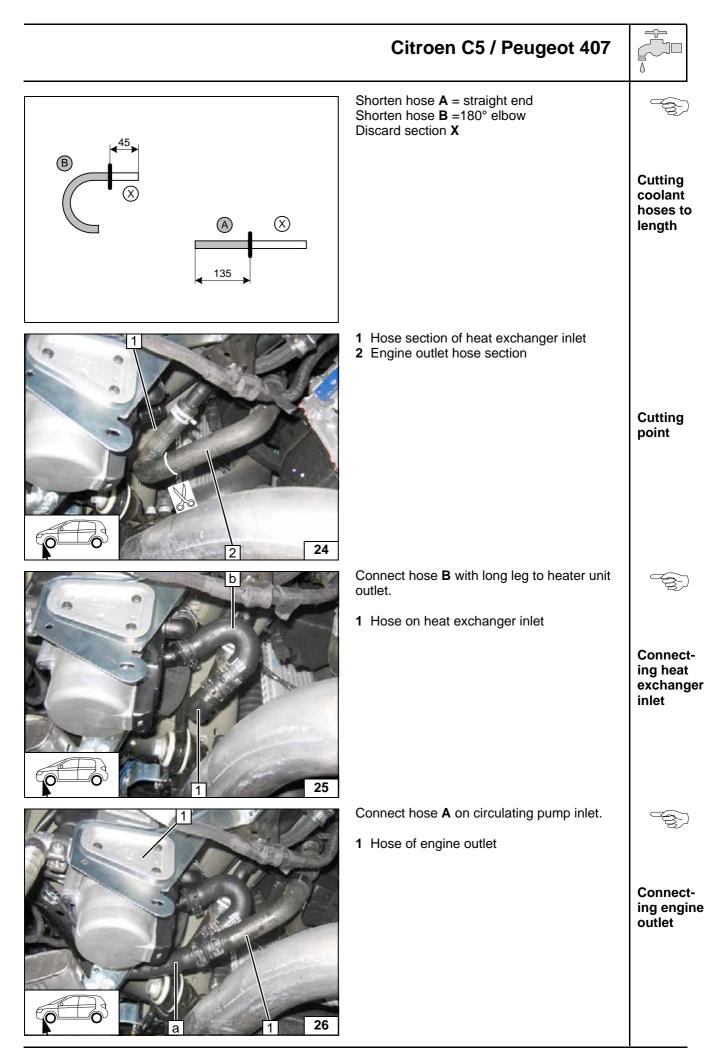
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All spring clips without a specific designation $\square = 27$ mm dia.

All connecting pipes $\square \square$ = 18x20 mm dia.







Fuel

CAUTION!

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

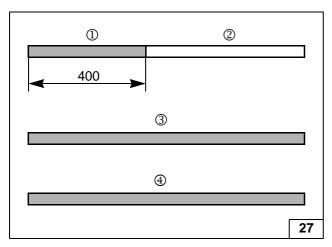
Catch any fuel running off with an appropriate container.

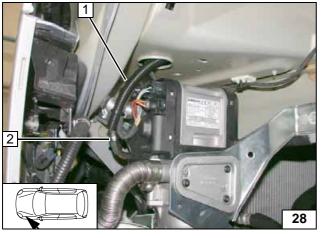
Install fuel line and metering-pump wiring harness so that they are protected against stone impact. Unless specified otherwise, always fasten using cable ties. Mount the fuel line and wiring harness with rub protection on sharp edges.

WARNING!

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

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Fuel line in corrugated tube ①
10 mm dia. Caillau clamp, 90° molded hose
Connecting heater unit

Cut approx. 400 mm off first corrugated tube.

- 1 Metering pump wiring harness
- 2 Fuel line in corrugated tube ${\rm l}$
- 3 Fuel line, wiring harness of metering pump in corrugated tube ②





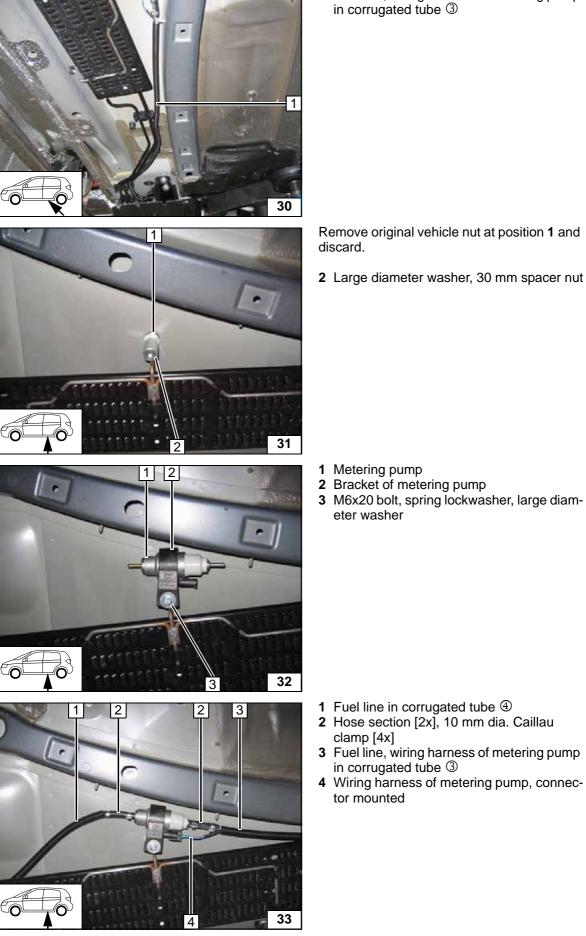
Preparing corrugat-

ed tube



Routing line

1 Fuel line, wiring harness of metering pump in corrugated tube ③



Connect-

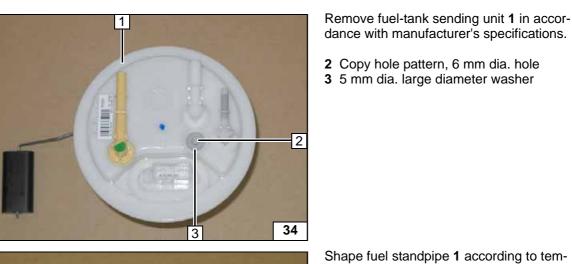
ing metering pump

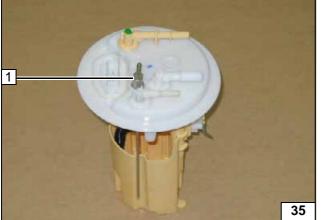
Installing lines

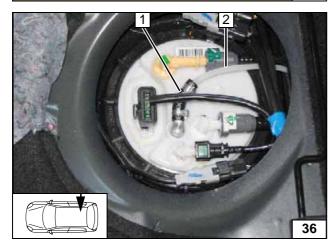
Installing metering pump

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Installing metering pump







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

plate, cut to length and install.

Install fuel-tank sending unit according to manufacturer's specifications.

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

Connecting fuel line

Removing fuel

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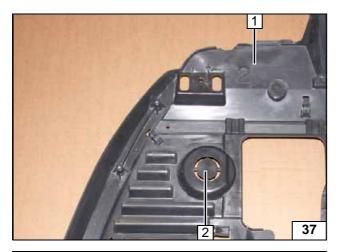
Installing fuel standpipe

Final Work

WARNING!

Reassemble the disassembled components 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.
- Code the BSI for the additional heater in accordance with the manufacturer's instructions.
- Check the proper operation of the additional heater, see the operating instructions/installation instructions.
- Attach the "Switch off additional heater before refueling" sticker to the left-hand B-pillar.



- **1** Underride protection
- 2 Cut out exhaust outlet along perforation

Align underride protection **1** (exhaust end section centered in cut-out).

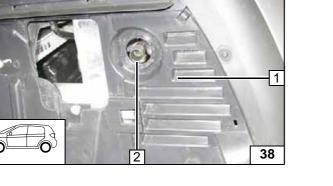
2 Exhaust end section

Cutting out underride protection

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Mounting underride protection





Webasto AG Postfach 80 - 82132 Stockdorf Hotline 01805 / 932278 - Hotfax 0395 / 5592-353 http://www.webasto.de

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Template for Fuel Standpipe

