

Water Heater



Thermo Top C Parking Heater

e1
00 0002

Installation documentation

VW Passat

2.0 FSI

from Model Year 2005

For left-hand drive vehicles only



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, specialised tools and equipment are required to install and repair Webasto heating and cooling systems. Only original Webasto parts must be used. For this, also see the catalog of air and water heater accessories from Webasto.

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.

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

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	Type	EG-BE No./ABE
Volkswagen	Passat	3C	e1 * 2001/116 * 0307 * ...

Engine type	Engine model	Output in kW	Displacement in cm ³
BLR	Petrol	110	1984

Vehicle and engine types and equipment variants not listed in this installation documentation have not been tested. However, installation according to this installation documentation may be possible. The installation location of a digital timer and summer/winter switch should be confirmed with the end customer before installation.

Heater/Installation Kit

Quantity	Description	Order No.:
1	Retail accessories <i>Thermo Top C</i>	See price list
1	Kit VW Passat 2.0 FSI	9014046A
1	Heater control	See Price list

Also required with Climatronic:

Quantity	Description	Order No.:
1	Kit for Climatronic with IPCU	9013645A

Foreword

This installation documentation applies to VW Passat vehicles with a 2.0 FSI engine - for validity, see page 2 - from model year 2005 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 the "installation documentation", the "operating instructions" and the "installation instructions" for the *Thermo Top C* 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 should be fitted with rub protection (split-open plastic hose).

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

When installing an IPCU, check or adjust the corresponding settings before installation.

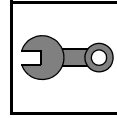
Special Tools

- Torque wrench for 2.0 - 10 Nm
- Hose clamping pliers
- Rivet-down tool for steel M10 rivet nuts (e.g., Würth Order No. 0964948900)
- Deburring tool

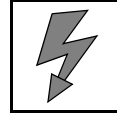
Explanatory Notes on Document

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.

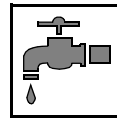
Mechanical system



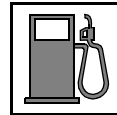
Electrical system



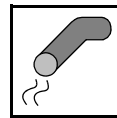
Coolant circuit



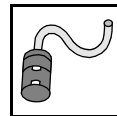
Fuel



Exhaust gas



Combustion air



Special features are highlighted using the following symbols:



Specific risk of injury or fatal accidents.



Specific risk of damage to components.



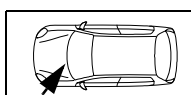
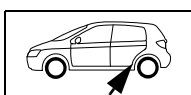
Specific risk of fire or explosion.



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



Reference to a special technical feature.

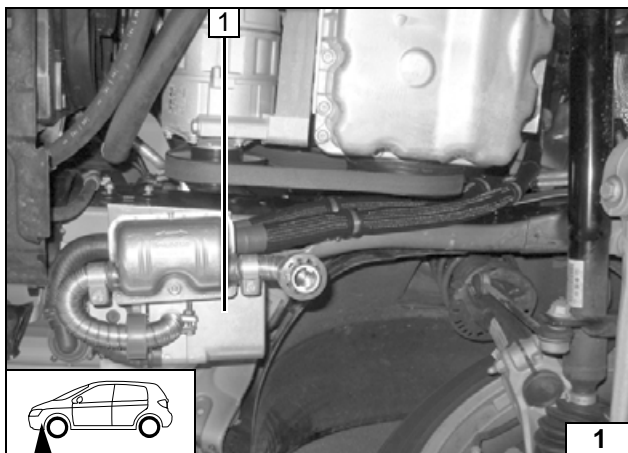


The arrow in the vehicle icon indicates the position on the vehicle and the viewing angle.

Preliminary Work

WARNING!

- Open the fuel tank cap, ventilate the tank.
- Close the fuel tank cap again.
- Disconnect and remove the battery.
- Remove air filter
- Remove the battery carrier.
- Remove the engine cover.
- Depressurise 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 right front wheel.
- Remove the front section of the right front wheel well trim.
- Remove the underride protection
- Remove the right-hand front fog light or, on vehicles without front fog lights, the right-hand cover.
- Remove the right-hand underbody trim.
- Open the right-hand tank-fitting service lid.
- Remove the footwell trim on the driver's side
- Remove the lower instrument panel trim on the driver's side.
- Only vehicles with Climatronic: Detach the A/C control panel.



Heater installation location

1 Heater

Installation location



Electrical system

Wiring harness of heater

Route wiring harness of heater (1) over the radiator to the right. Fastening is not carried out until after heater is installed.

Fuse holder

- 1 K3 relay (for installation instructions, see page 7)
- 2 Fuse holder (for installation instructions, see page 7)
- 3 Route wiring harness of heater control, fan control and metering pump in cable duct to firewall

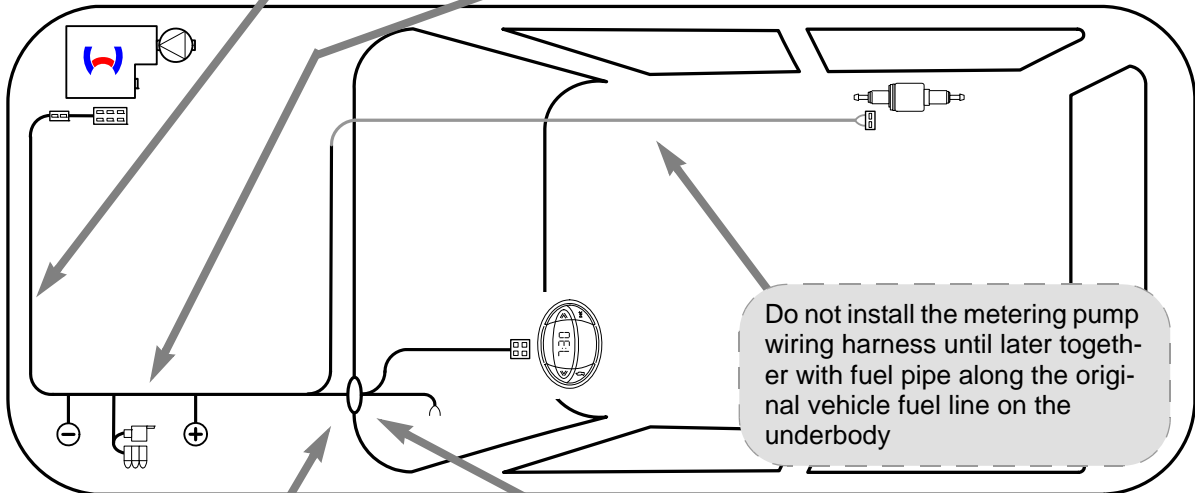
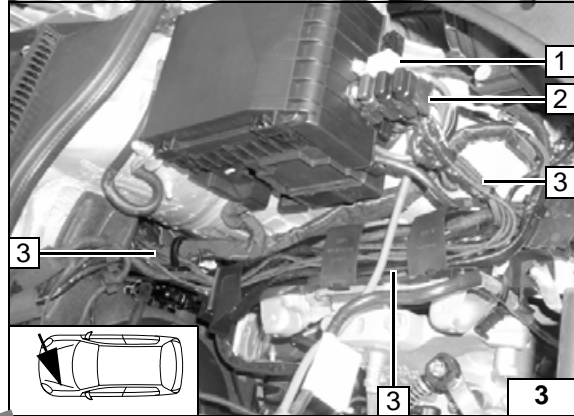
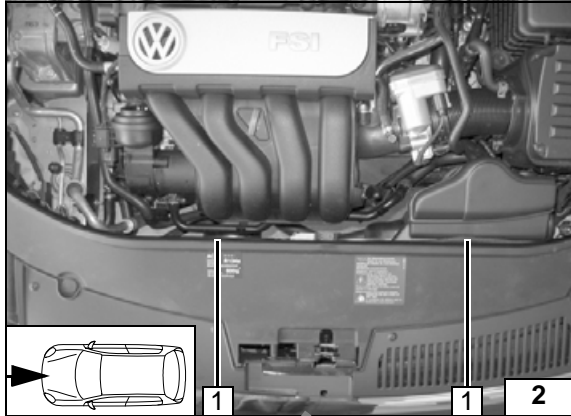
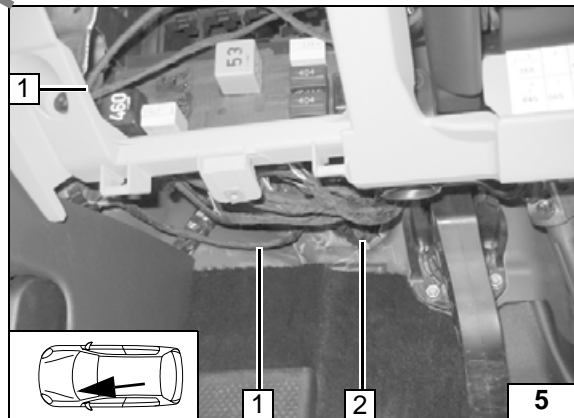
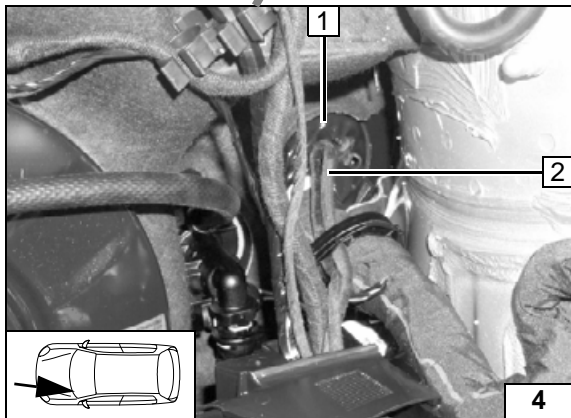


Diagram of wiring harness routing for all equipment

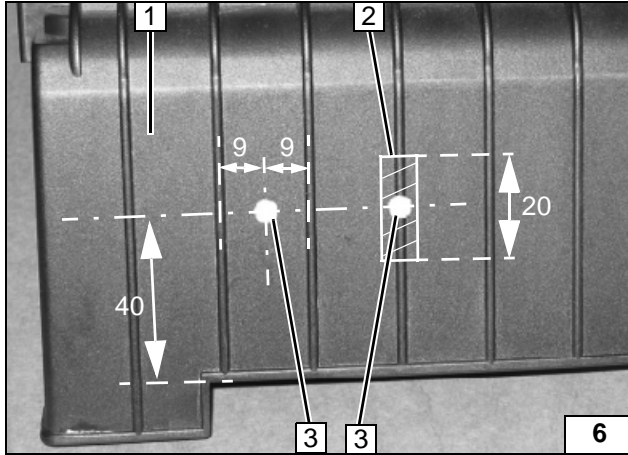


Wiring harness pass through, external view

- 1 Original vehicle wiring harness pass through
- 2 Wiring harnesses for fan control and heater control

Wiring harness pass through, internal view

- 2 Original vehicle wiring harness pass through
- 1 Wiring harnesses for fan control and heater control



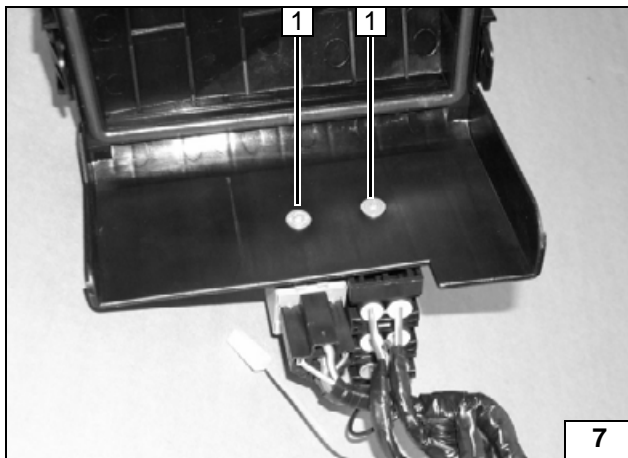
Fuse holder and K3 relay

Countersink holes **3** from behind for M5 countersunk head screws.

- 1** Cover of fuse/relay carrier in engine compartment
- 2** Cut away bar in shaded area
- 3** 5.0mm dia. hole [2x]

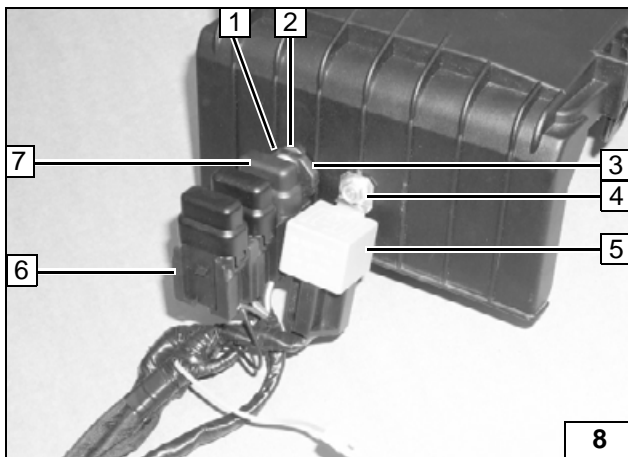


Holes for fuse holder and K3 relay



- 1** M5x12 countersunk head screw [2x]

Installing fuse holder and K3 relay

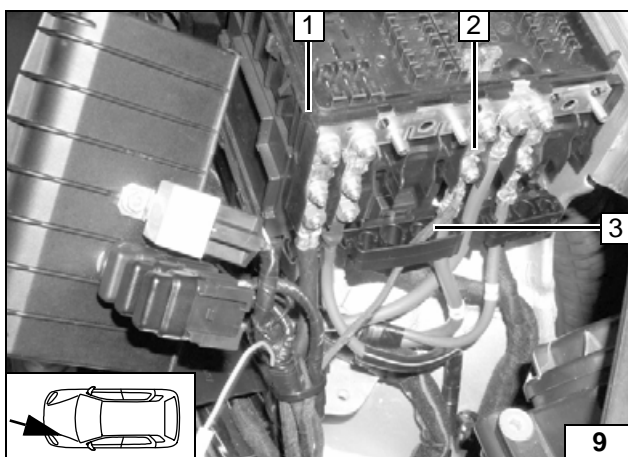


On vehicles with Climatronic, replace 25 A fuse F3 **7** with 3 A fuse provided.

- 2** Large diameter washer (between cover and retaining plate)
- 3** Retaining plate
- 1** M5 flanged nut
- 6** Fuse holder
- 7** F3 fuse
- 5** K3 relay
- 4** M5 flanged nut



Installing fuse holder and K3 relay

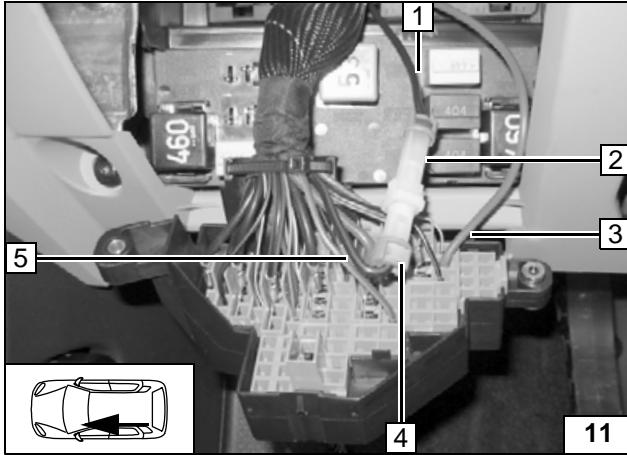


Route brown (br) earth wire to original vehicle earth support point below headlight and connect.

- 1** Fuse/relay carrier
- 3** Red (rt) positive wire
- 2** Original main vehicle fuse



Connecting positive and earth wire



Produce connections as shown in wiring diagram.

- 1 Black (sw) wire K3/30 with crimped-on tab connector
- 2 AMP housing
- 5 Black/red (sw/rt) wire with original standard power timer
- 4 AMP housing
- 3 Red (rt) wire from K3/87a with crimped-on standard power timer engaged in fuse output SC41

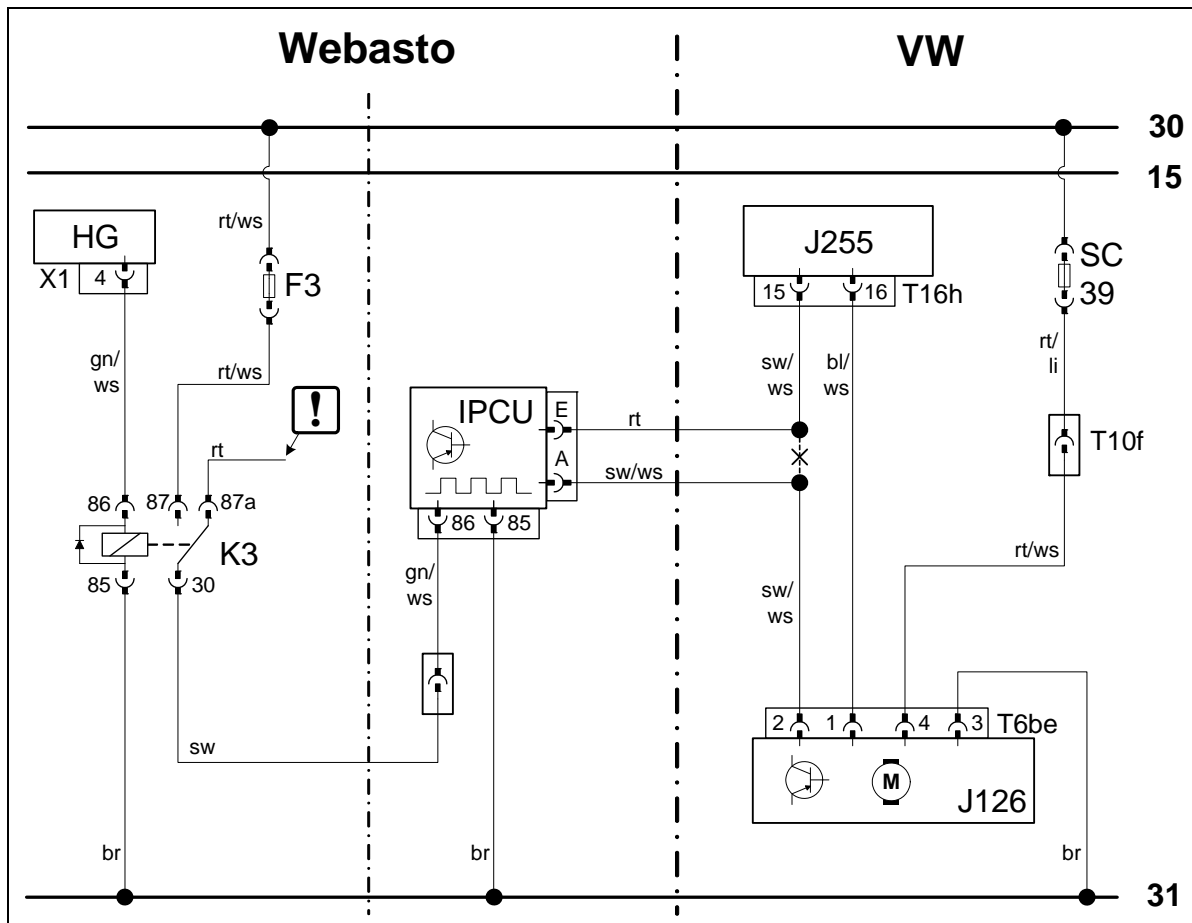
Lock contact lock again.



Connecting wires



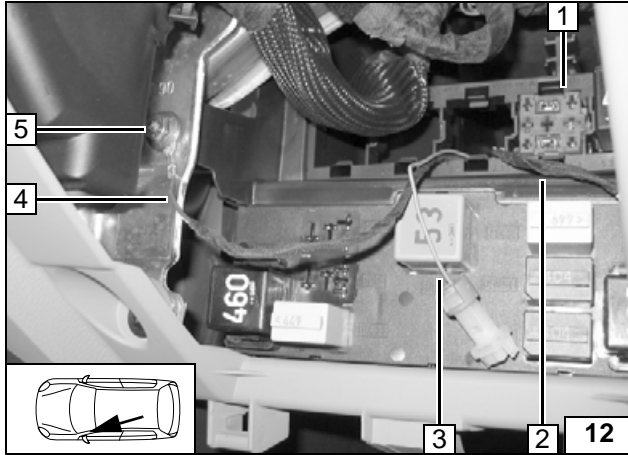
Climatronic fan control



Climatronic wiring diagram

Webasto components		Vehicle components		Colours and symbols	
HG	Heater TT-C/E	SC 39	40 A fan-fuse	rt	red
F3	Fuse (25 A replaced with 3 A)	J255	Climatronic control unit	ws	white
K3	Fan relay	J126	Fan control unit	sw	black
IPCU	Pulse width modulator	V2	Fan motor	br	brown
		T...	Plug connections	gn	green
				li	purple
				bl	blue
IPCU adjustment values					
Voltage: 8 V					
Frequency: 400 Hz					
Duty cycle: 30 %					
Function: High-side					
					Insulate wire end and tie back
				X	Cutting point
Wiring colours may vary.					

Legend

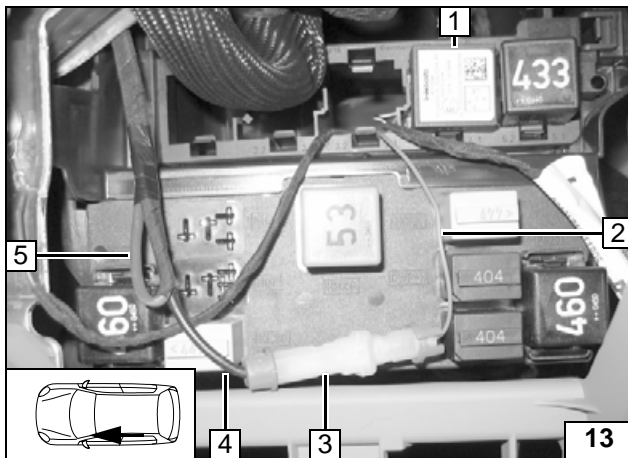


Position of free socket dependent on vehicle equipment.

- 1 Socket for IPCU
- 2 Route wiring harness with red (rt) wire from IPCU/E and black/white (sw/ws) wire from IPCU/A to centre console
- 3 Green/white (gn/ws) wire from IPCU/86
- 4 Brown (br) wire from IPCU/85
- 5 Original vehicle nut



Installing wiring harness of Climatronic

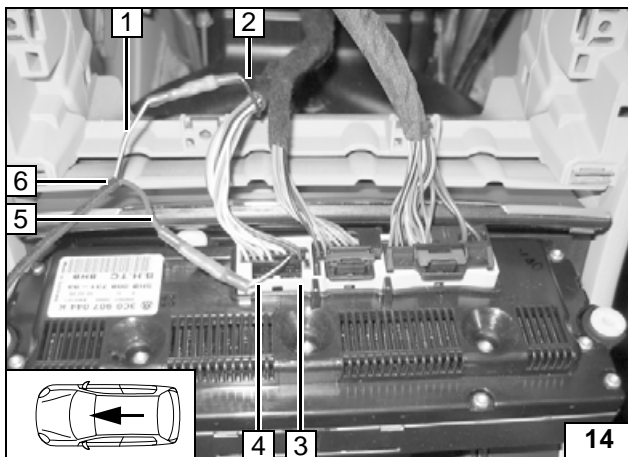


Produce connections as shown in wiring diagram. Insulate and tie back red (rt) wire from K3/87a 5.

- 1 IPCU mounted
- 2 Green/white (gn/ws) wire from IPCU/86
- 4 Black (sw) wire K3/30 with crimped-on tab connector
- 3 AMP housing
- 5 Red (rt) wire from K3/87a



Connection to heater wiring harness

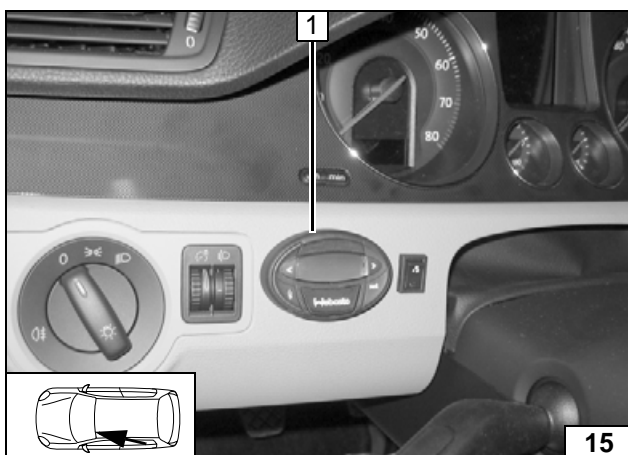


Disconnect black/white (sw/ws) wire 2, 4 behind connector T16h/15. Produce connections with connectors as shown in wiring diagram (crimp and shrink).

- 3 Connector T16h
- 6 Wiring harness from IPCU
- 1 Black/white (sw/ws) wire from IPCU/A
- 2 Black/white (sw/ws) wire to fan unit
- 4 Black/white (sw/ws) wire from connector T16h/15
- 5 Red (rt) wire from IPCU/E



Connecting air-conditioning control panel



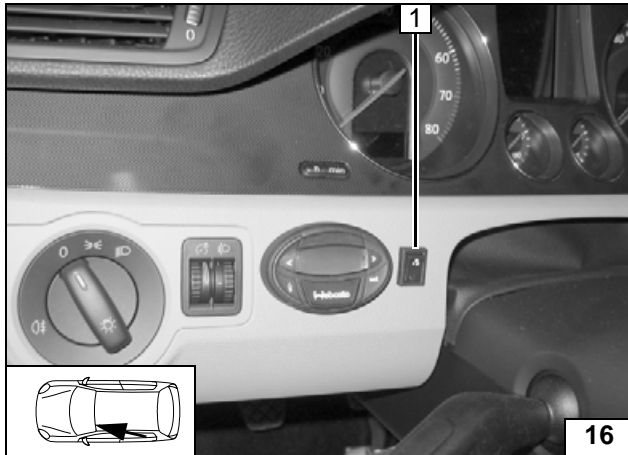
Digital timer option

Do not press on display.

- 1 Digital timer



Installing digital timer

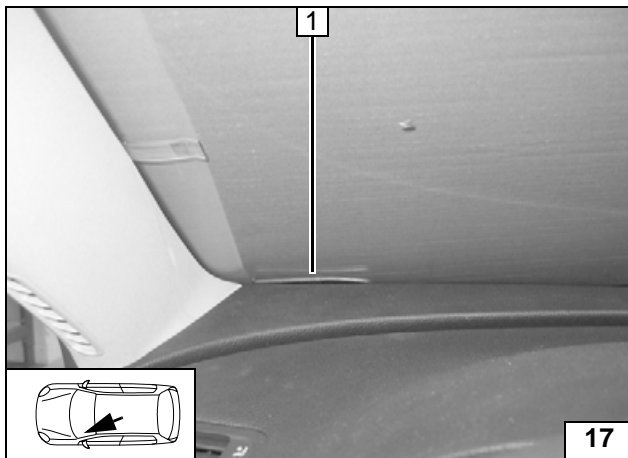


Summer/winter switch option

- 1 Summer/winter switch



Installing summer/winter switch

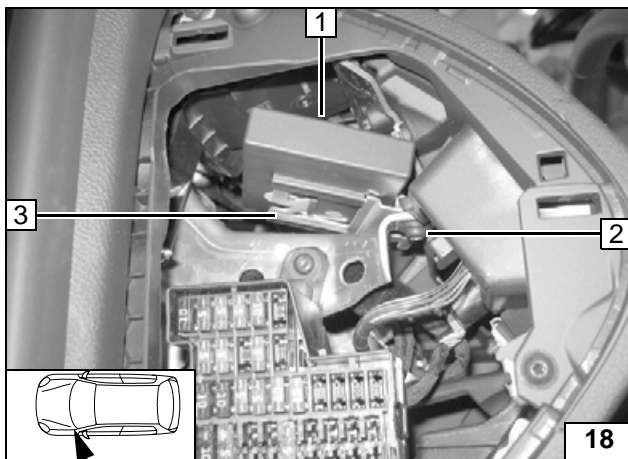


Remote option (Telestart)

- 1 Antenna



Installing antenna

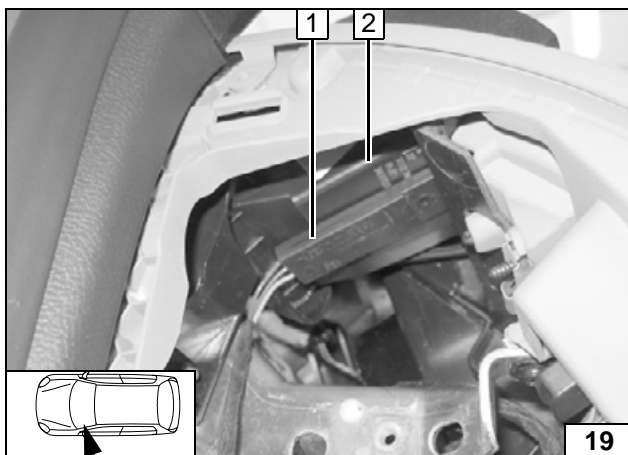


- 1 Receiver
- 3 Bracket
- 2 Original vehicle bolt



Installing receiver

Ensure freedom of movement of the receiver. Rebend bracket, if necessary.

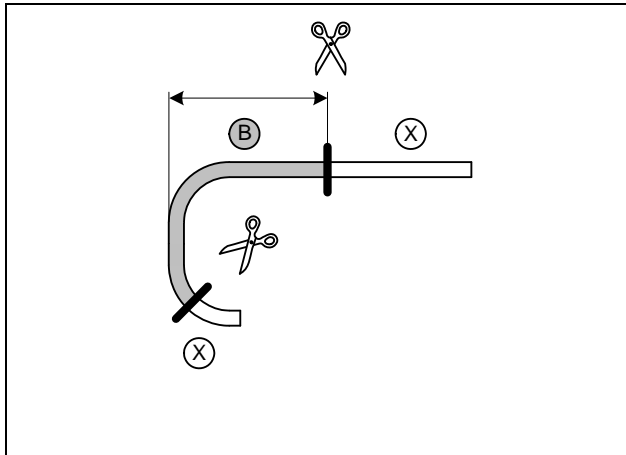
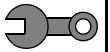


Only with T100 HTM

- 1 Double-sided adhesive Velcro strip, temperature sensor
- 2 Air duct



Installing temperature sensor



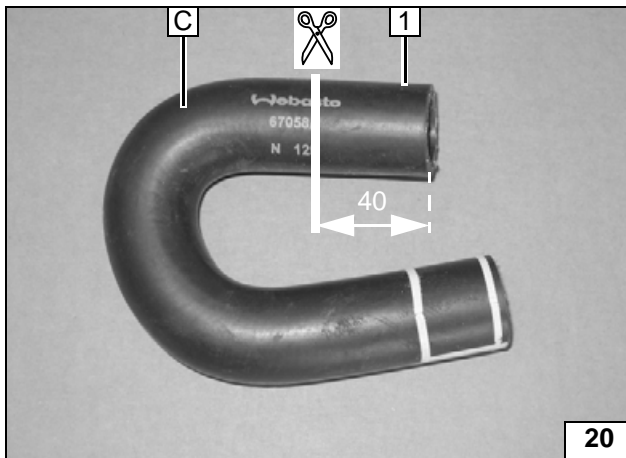
Premounting heater

Discard sections X

B = 220 mm

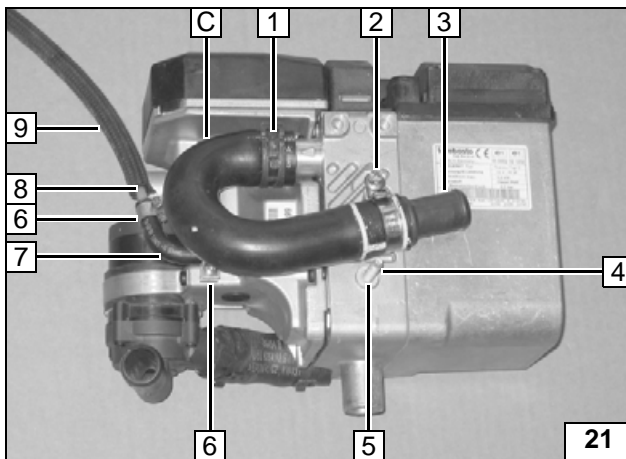


Cutting hose B to length



1 Discard section

Cutting hose C to length

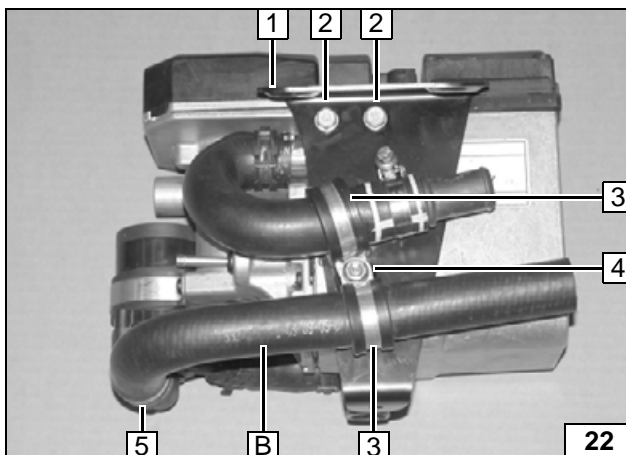


Ejot stud, tightening torque 10 Nm.

- 1 27mm dia. spring clip
- 2 27mm dia. hose clamp
- 3 20x20mm dia. connecting pipe
- 4 Long Ejot stud
- 5 Washer loosely mounted
- 6 10 mm dia. hose clamp [2x]
- 7 90° moulded fuel hose
- 8 Mecanyl line
- 9 Cloth-reinforced protective hose cut to a length of 1100mm



Premounting heater

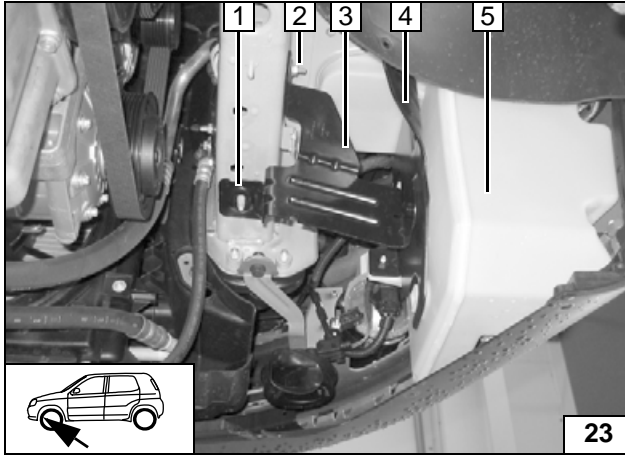
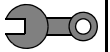


Tighten Ejot screws to 10 Nm.

- 1 Bracket
- 2 Ejot screw [2x]
- 5 27mm dia. hose clamp
- 3 29 mm dia. rubber-coated p-clamp [2x]
- 4 M6 flanged nut



Premounting heater



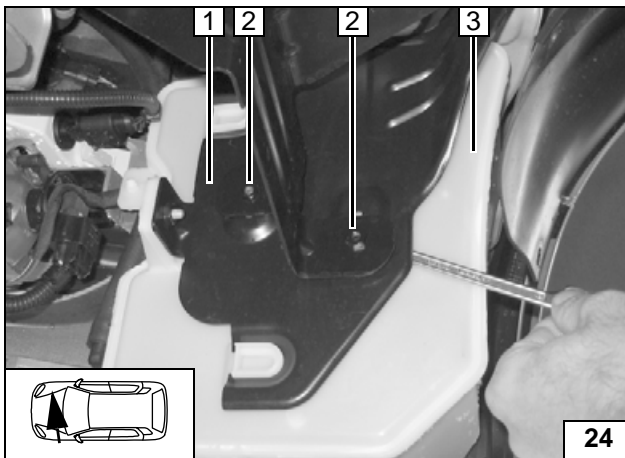
Preparing installation location



Only in vehicles with a headlight washer system

- 3 Additional bracket
- 1 M8 nut
- 2 M6 nut
- 4 Bracket of washer reservoir
- 5 Washer reservoir

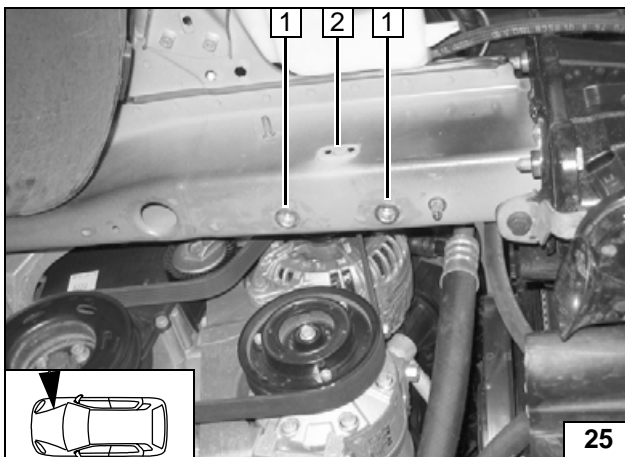
Removing additional bracket



Detach bolts **2** as shown with an open-end spanner or a ratchet spanner. Press away washer reservoir **3** carefully with plastic wedge from bracket **1**.

- 1 Bracket of washer reservoir
- 3 Washer reservoir
- 2 M5 bolt [2x]

Removing additional bracket



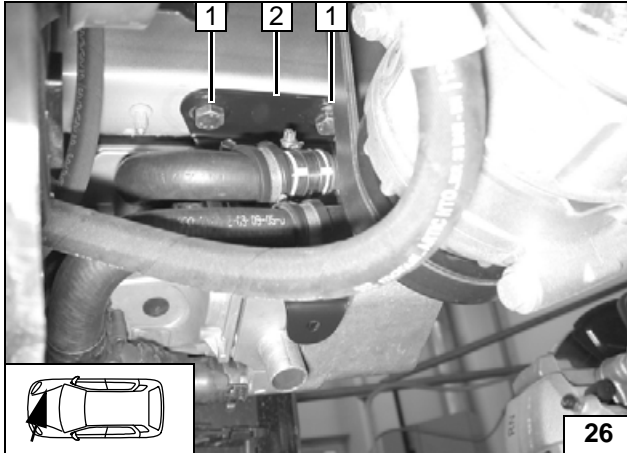
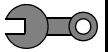
All vehicles



Use special rivet-down tool as described on Page 3.

- 1 Existing hexagonal holes, M10 hex. steel rivet nuts [2x]
- 2 Plate removed

Preparing installation location



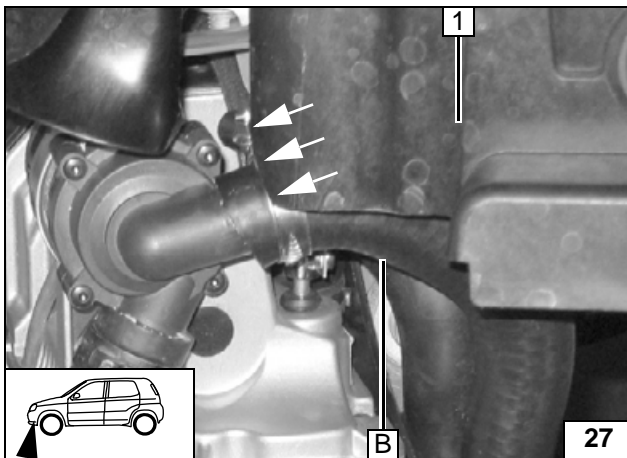
Installing heater

All vehicles

- 1 M10x30 bolt with locking teeth [2x]
- 2 Bracket



Installing heater

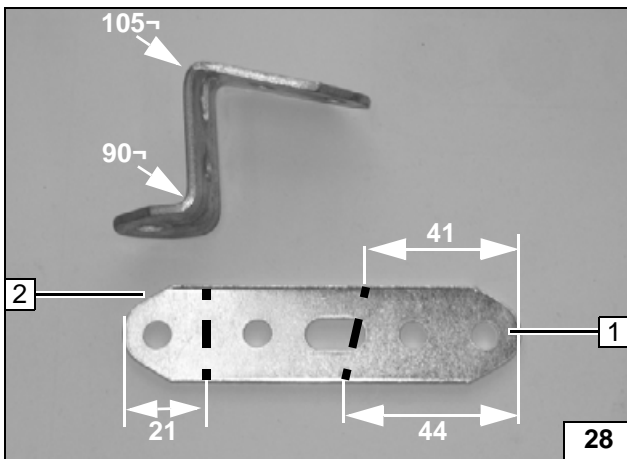


Cut out plastic trim 1 as shown, to ensure sufficient distance from hose B.

- 1 Plastic trim



Cutting out trim



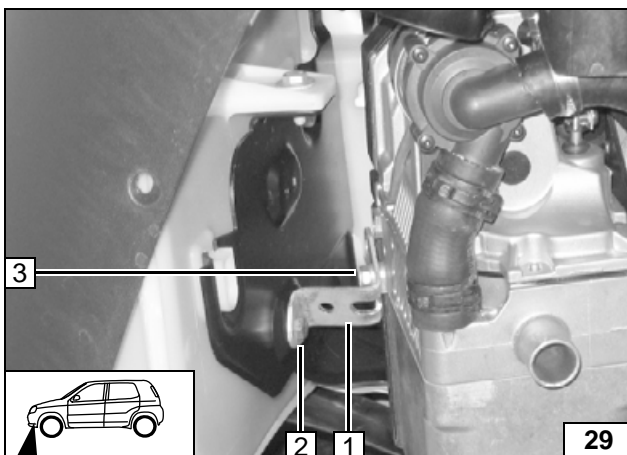
Only in vehicles with a headlight washer system

Watch bending direction.

- 1 Bend long side downwards
- 2 Bend short side upwards



Angling down perforated bracket

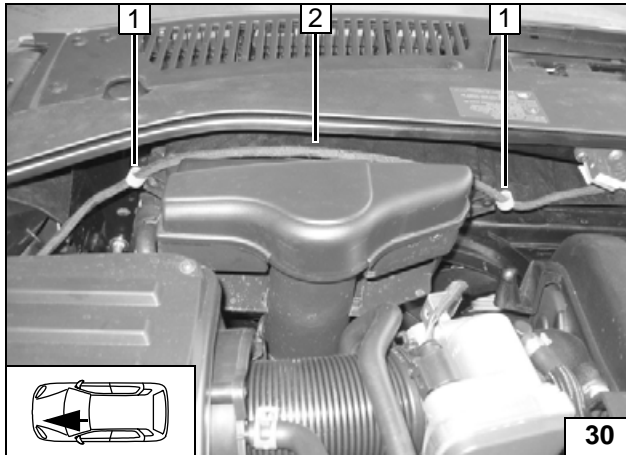
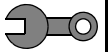


Eجت screw bolt, tightening torque 10 Nm.

- 1 Perforated bracket
- 2 M6x12 bolt, flanged nut
- 3 Eجت screw



Installing perforated bracket



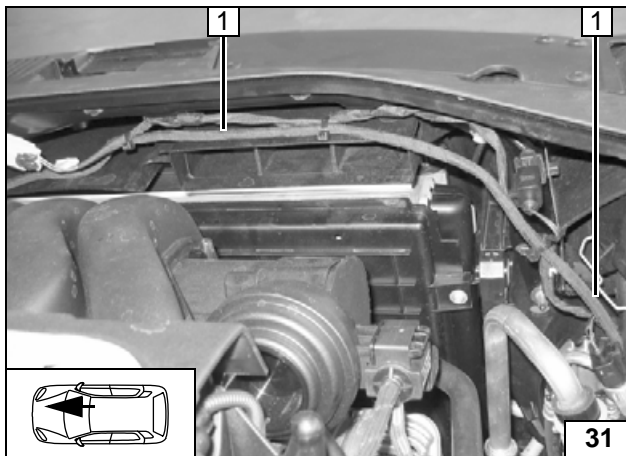
Wiring harness of heater

Watch routing of wiring harness. Danger of rubbing!

- 2 Wiring harness of heater
- 1 Plastic clamps on original vehicle bolt [2x]



Routing wiring harness

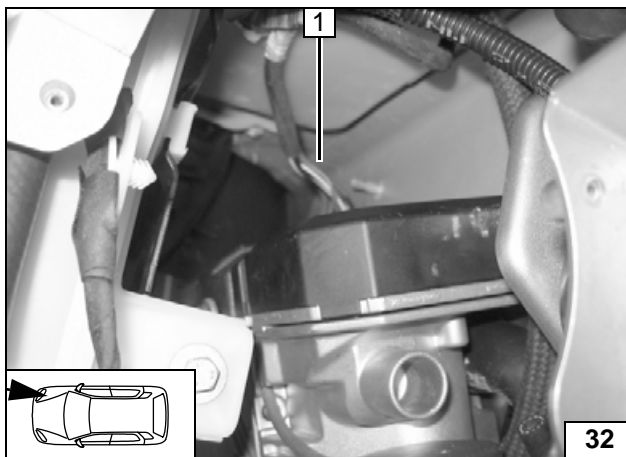


Watch routing of wiring harness. Danger of rubbing!
Fasten wiring harness with cable ties to original vehicle lines.

- 1 Wiring harness of heater



Routing wiring harness



Watch routing of wiring harness. Danger of rubbing!
Fasten wiring harness with cable ties to original vehicle lines.

- 1 Wiring harness of heater



Connecting wiring harness



Fuel

CAUTION!

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

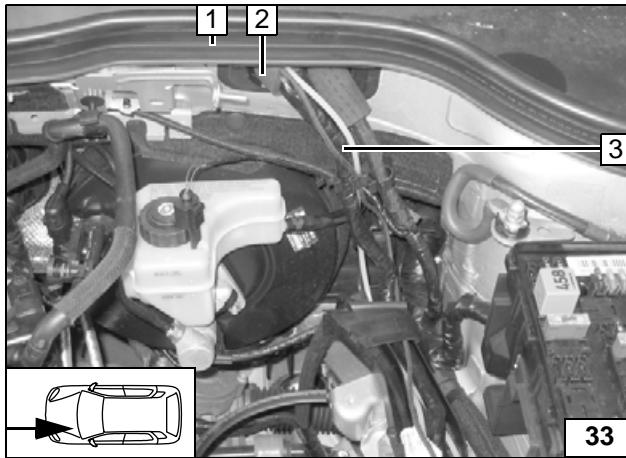
Catch any fuel running off in an appropriate container.

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.

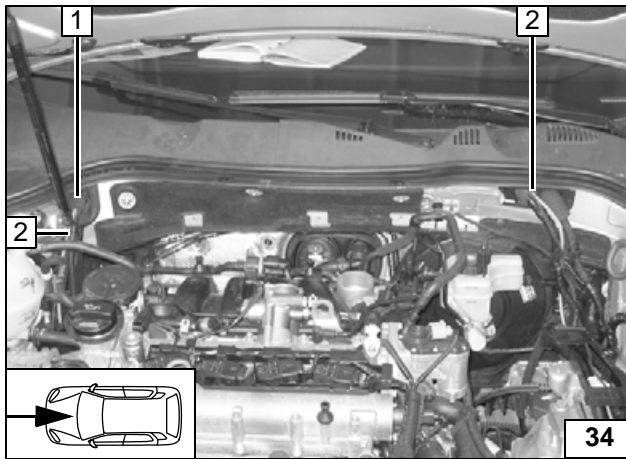
WARNING!

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



- 1 Coolant reservoir cap detached
- 2 Existing pass through
- 3 Metering pump wiring harness

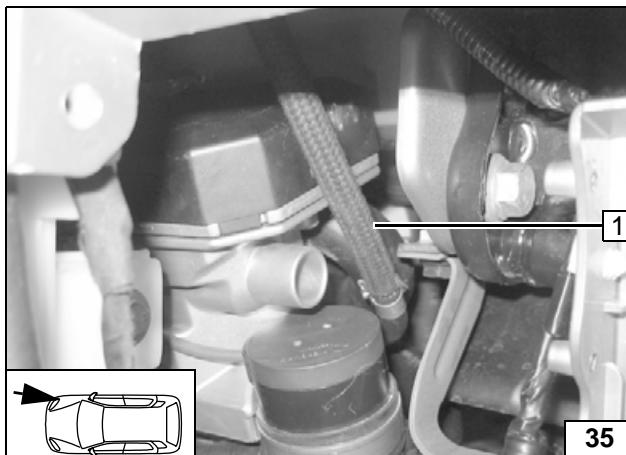
Routing wiring harness of metering pump in coolant reservoir



Fasten wiring harness of metering pump in coolant reservoir on original vehicle lines with cable ties. Pay particular attention to freedom of movement of wiper linkage.

- 1 Existing pass through
- 2 Metering pump wiring harness

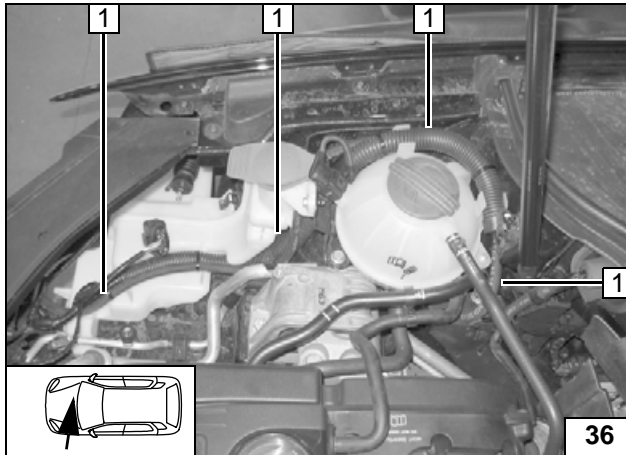
Routing wiring harness of metering pump to the right



- 1 Mecanyl line in protective hose

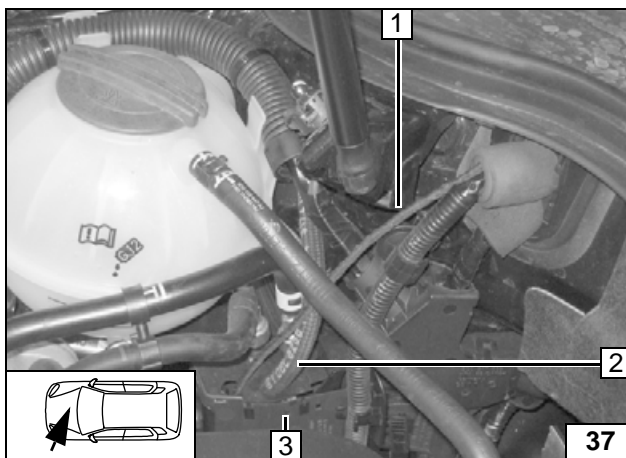
Routing Mecanyl line





1 Mecanyl line in protective hose

Routing Mecanyl line

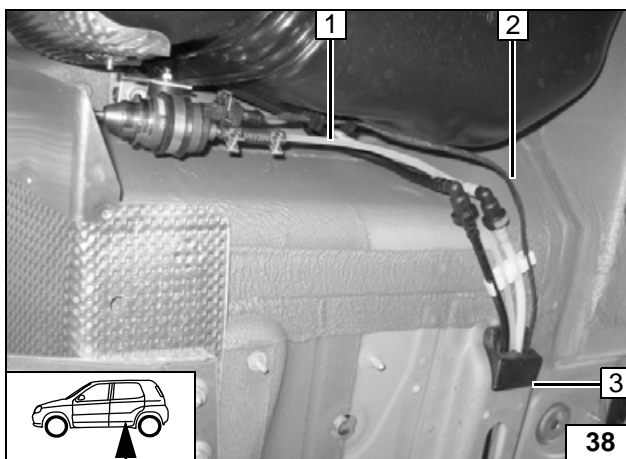


Route mecanyl line 2 and wiring harness of metering pump 1 into original vehicle line duct and then to underbody.

- 1 Metering pump wiring harness
- 2 Mecanyl line in protective hose
- 3 Original vehicle line duct



Routing mecanyl line and wiring harness of metering pump

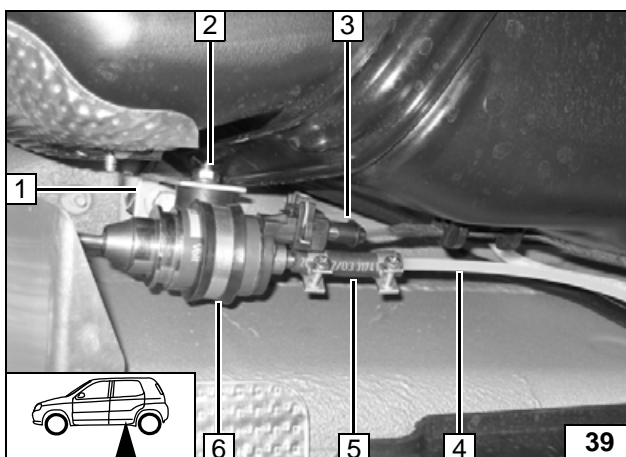


Route mecanyl line and wiring harness of metering pump along original vehicle fuel lines to fuel tank.

- 3 Line duct
- 1 Mecanyl line
- 2 Metering pump wiring harness



Routing mecanyl line and wiring harness of metering pump



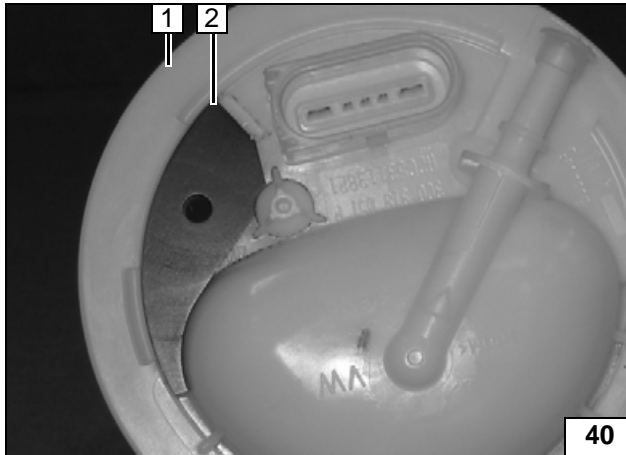
Ensure proper installation position of metering pump, see "Installation Instructions". Installation location on right in front of vehicle fuel tank!

Fuel line from heater on pressure side of metering pump [side with connector].

- 1 Bracket of metering pump, original vehicle bolt
- 2 Flanged nut [2x], silent block
- 6 Rubber-coated p-clamp
- 3 Wiring harness of metering pump, connector housing completed
- 4 Mecanyl line
- 5 10mm dia. hose clamp [2x], hose section



Installing metering pump and connecting pressure side

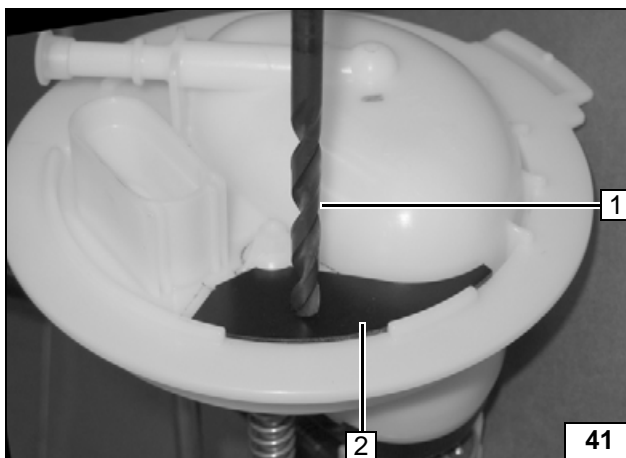


Remove upper section 1 of the fuel-tank sending unit in accordance with manufacturer's instructions.
Engage template 2 play-free on fuel-tank sending unit as shown.

- 1 Upper section of fuel-tank sending unit
- 2 Metal drilling template



Engaging drilling template

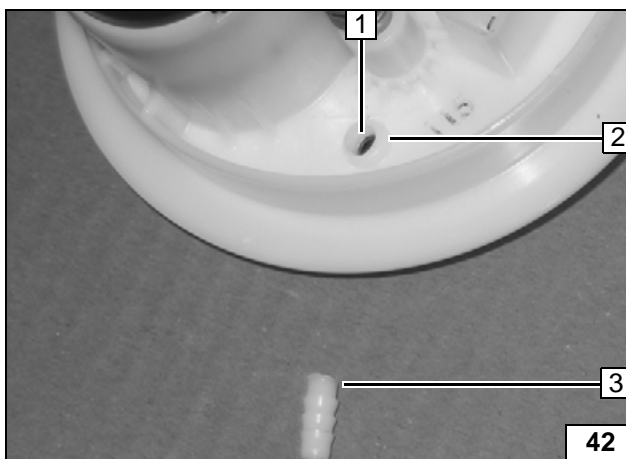


Ensure firm seating of template 2.
Guide drill bit 1 exactly perpendicular to surface of fuel-tank sending unit.
Carefully drill at low speed and only with light pressure as shown below.

- 1 6.0 mm dia. drill bit
- 2 Metal drilling template



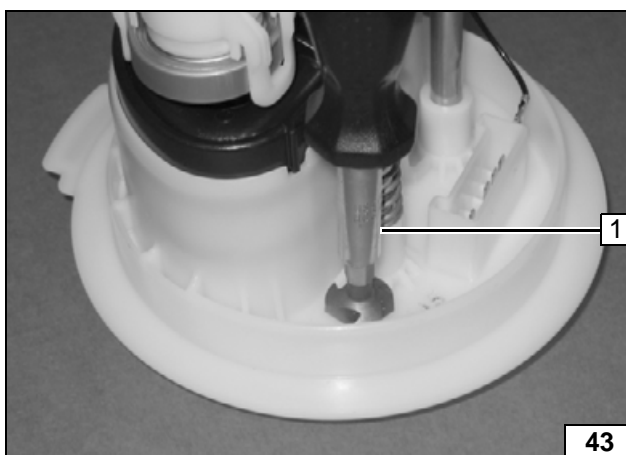
Hole in fuel-tank sending unit



- 1 6.0 mm dia. hole
- 2 Overhanging, circumferential edge of approx. 1 mm
- 3 Drilled-out blind connection piece



View of underside of fuel-tank sending unit

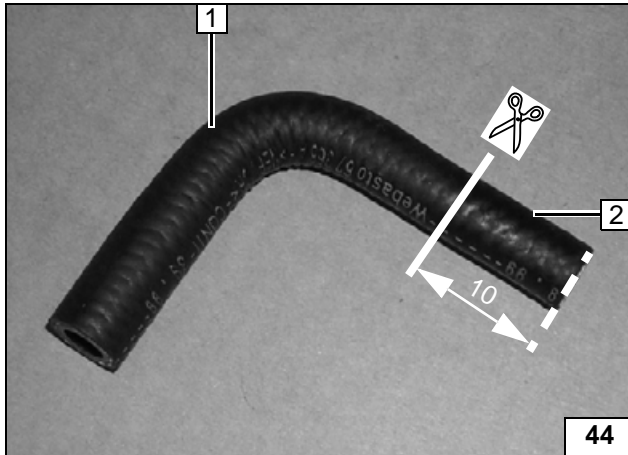


Carefully remove overhanging edge with deburring tool.

- 1 Deburring tool

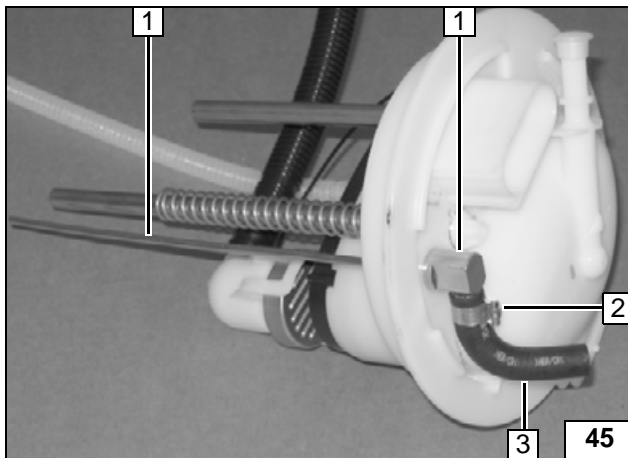


Removing edge



- 1 4.5 mm dia. moulded hose
- 2 Discard section

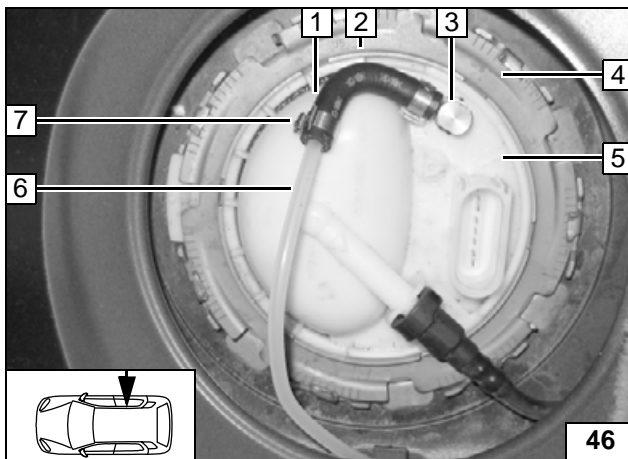
Shortening hose



Cut fuel standpipe to length according to template and install, see "Installation instructions".
Align moulded hose as shown.

- 1 Fuel standpipe
- 3 4.5 mm dia. moulded hose with shortended side on fuel standpipe
- 2 10 mm dia. Caillau clamp

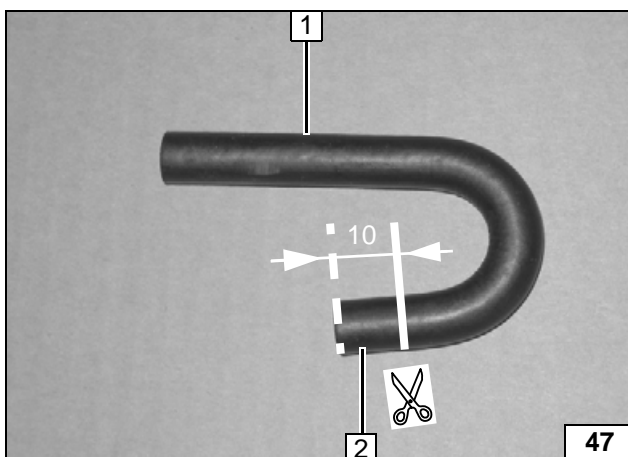
Installing fuel standpipe



Install fuel-tank sending unit 5 in accordance with manufacturer's instructions. Ensure sufficient spacing between moulded hose 1 and edge of locking ring 4 at position 2.

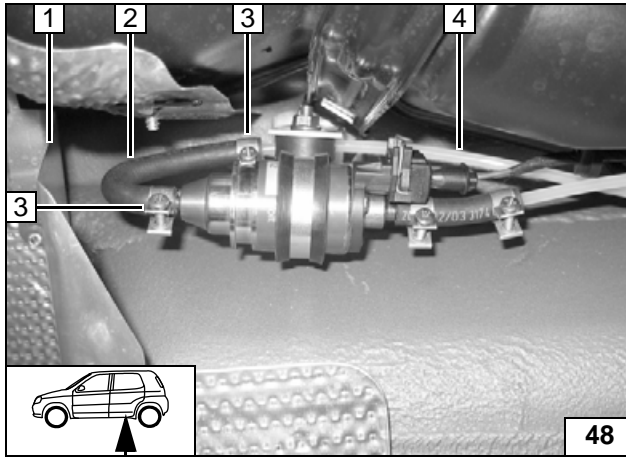
- 3 Fuel standpipe
- 5 Fuel-tank sending unit
- 4 Locking ring
- 1 Moulded hose
- 7 10mm dia. Caillau clamp
- 6 Remaining piece of mecanyl line

Installing fuel-tank sending unit



- 1 4.5 mm dia. moulded hose
- 2 Discard section

Shortening moulded hose



Design of guard plate 1 of the exhaust system is vehicle-dependent. Ensure sufficient spacing between guard plate 1 and moulded hose 2. Connect fuel line from fuel standpipe on intake side of metering pump [side without connector].

- 1 Guard plate
- 2 Moulded hose with shortened side on metering pump.
- 3 10 mm dia. hose clamp [2x]
- 4 Mecanyl line from fuel standpipe

Check routing of fuel lines and wiring harness of metering pump over entire length and correct if necessary. Fasten lines and wiring harness with cable ties.



**Connect-
ing intake
side of me-
tering
pump**



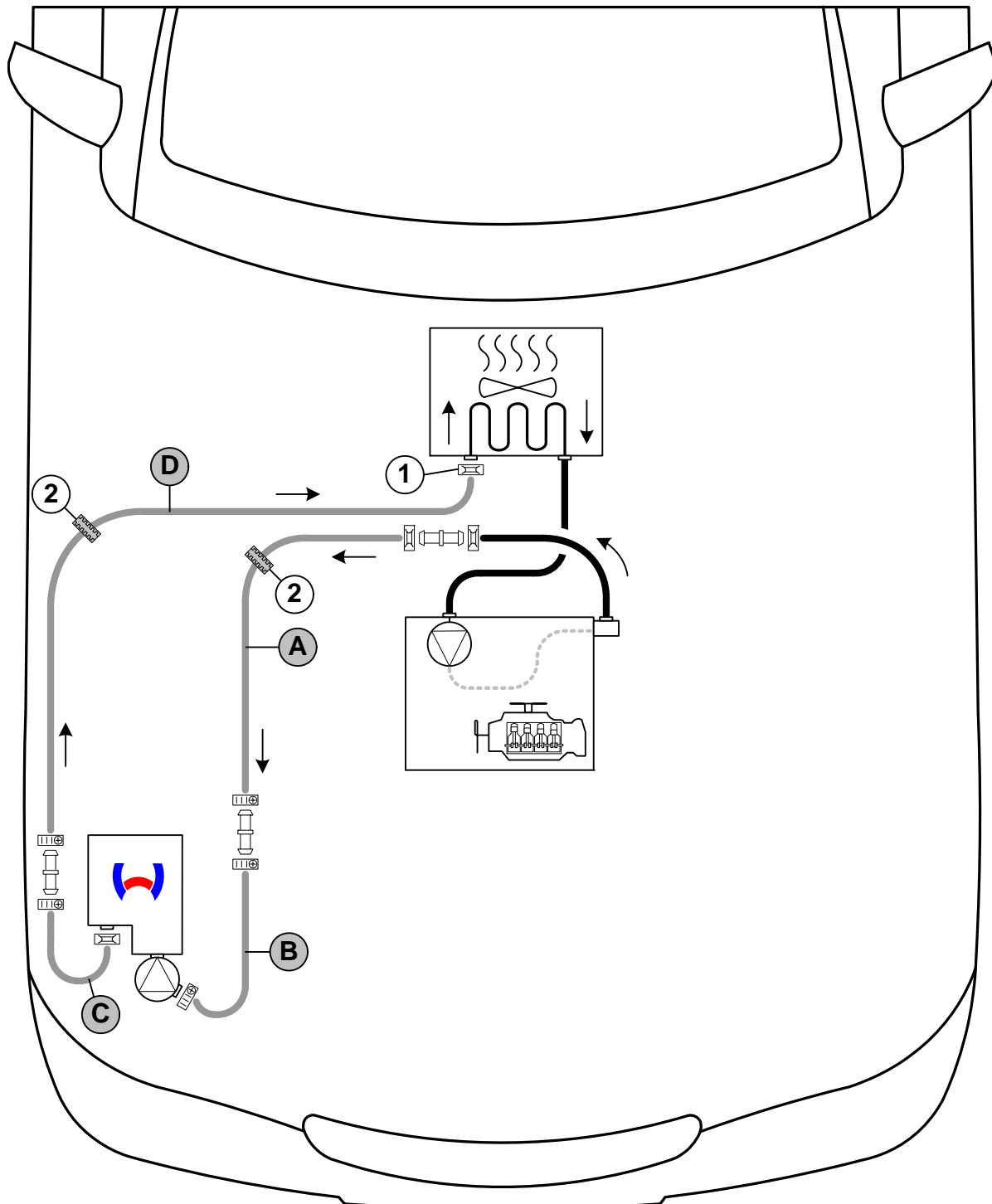
**Wiring
routing**








Coolant circuit

WARNING!

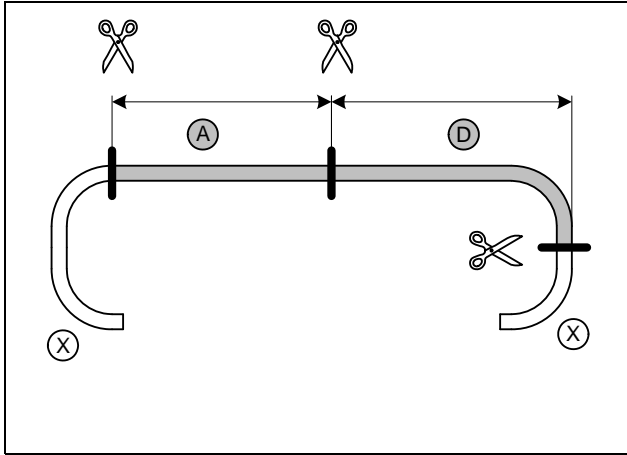
Any coolant running off should be collected in an appropriate container. Install hoses so that they are kink-free. Unless specified otherwise, always fasten using cable ties. Position clamps so that other hoses cannot be damaged. The heater must be filled with coolant when installing the hoses. The connection should be "inline" based on the following diagram:



Hose installation diagram

All spring clips without a specific designation  = 27 mm dia. 1 = Original vehicle spring clip  .
 All hose clamps  = 20-27 mm dia. All connecting pipes  = 20x20 mm dia.
 2 = black (sw) rubber isolator .



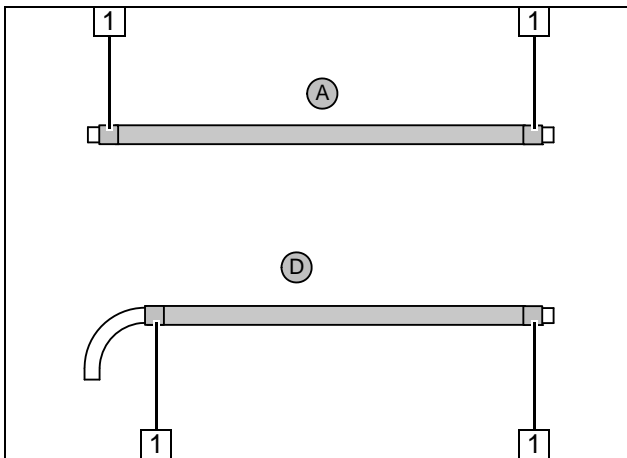


Discard sections X.

A = 1000 mm
D = 1120 mm



Cutting hoses to length

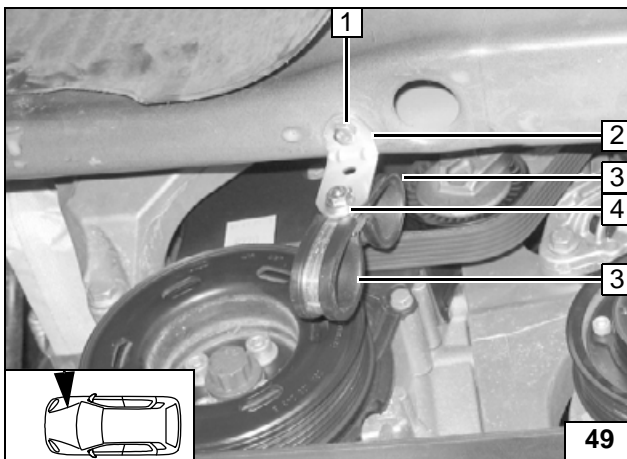


Push braided protection hoses onto hose A and D. Cut heat shrink plastic tubing to size.

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



Preparing hoses

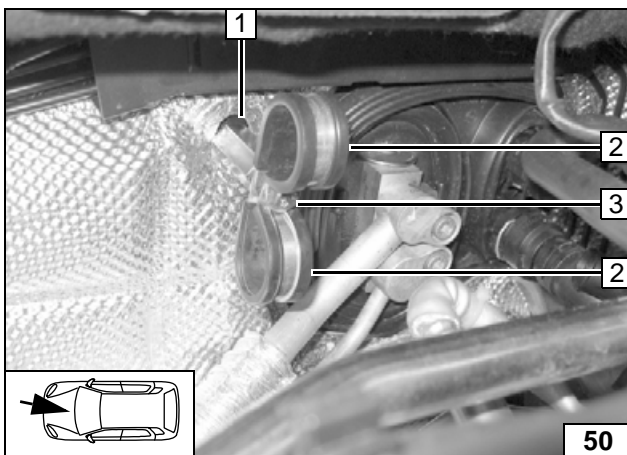


Only loosely mount bolt 4.

- 1 M6x20 bolt, flanged nut
- 2 Angle bracket
- 3 29 mm dia. rubber-coated p-clamp [2x]
- 4 M6x20 bolt, flanged nut



Premounting p-clamp

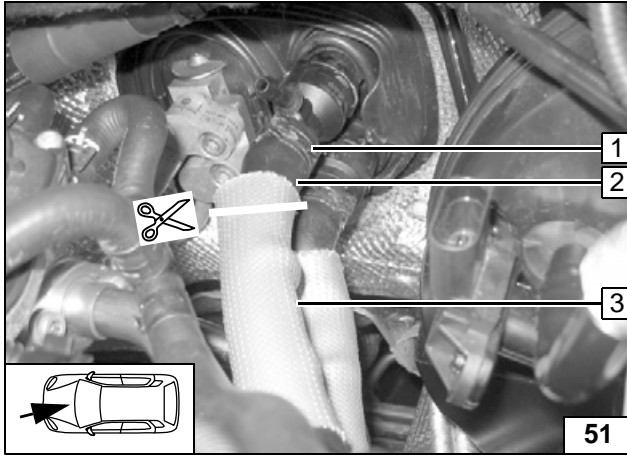


Only loosely mount bolt 3.

- 1 Large diameter washer, M6x40 spacer nut, original vehicle stud bolt
- 2 29 mm dia. rubber-coated p-clamp [2x]
- 3 M6x16 bolt, spring lockwasher



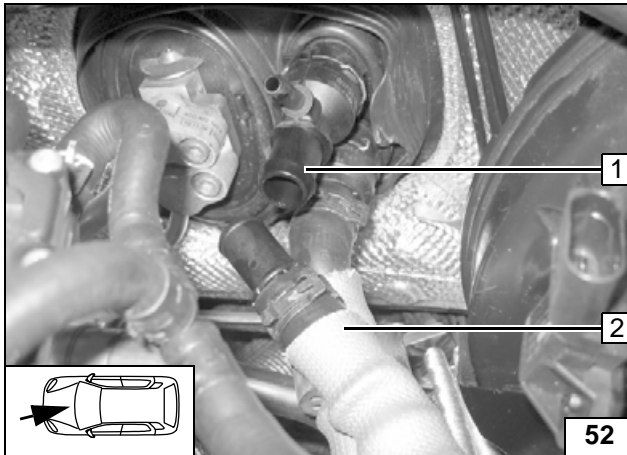
Premounting p-clamp



- 2 Hose section to heat exchanger inlet
- 3 Hose section from engine outlet

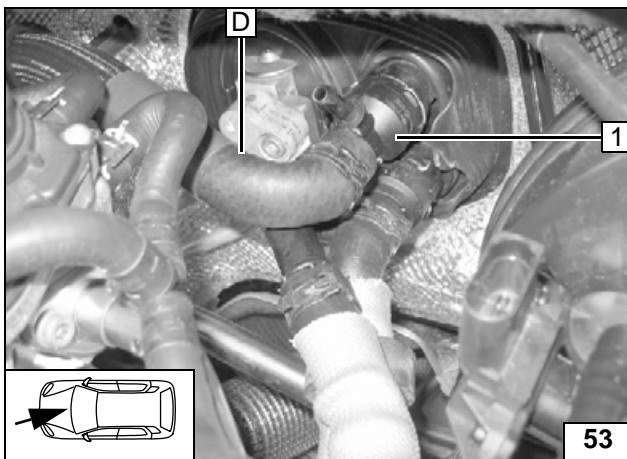
Cutting point

Pull off hose section 2 and discard. Spring clip 1 will be reused.



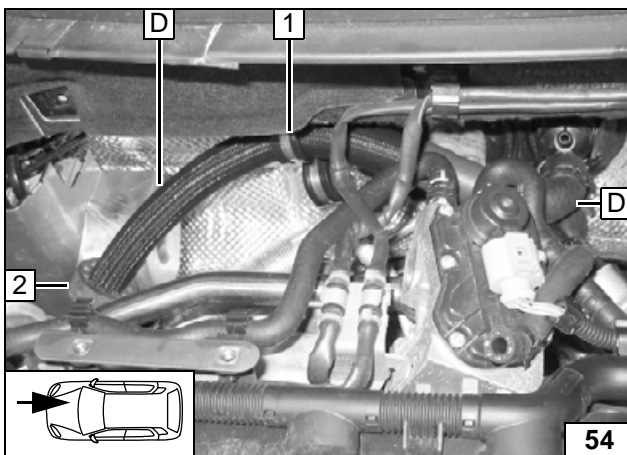
- 1 Connection piece of heat exchanger inlet
- 2 Hose section from engine outlet

Installing connecting pipe



- 1 Connection piece of heat exchanger inlet

Connection on heat exchanger inlet

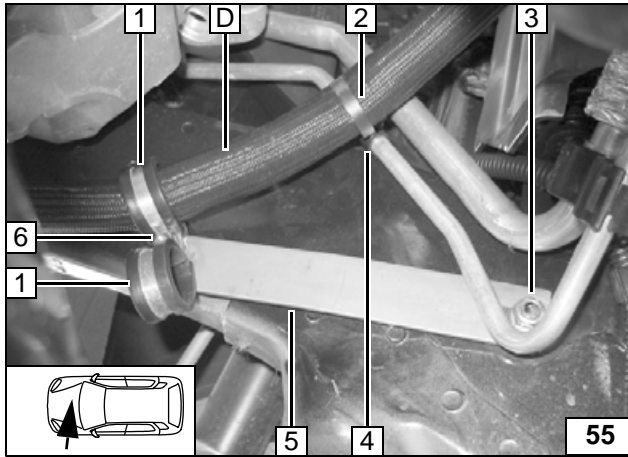


Route hose **D** through upper p-clamp.

- 1 29 mm dia. rubber-coated p-clamp (pre-mounted)
- 2 Black (sw) rubber profile



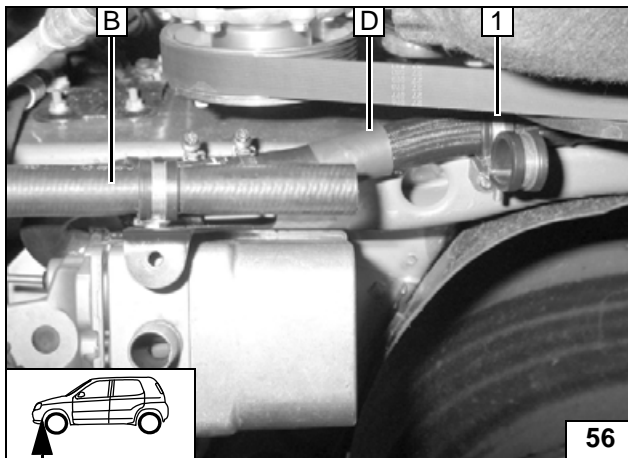
Hose routing



Ensure proper spacing between strut **5** and A/C line.
The bending of the strut **5** points towards the frame side member.
Only loosely mount bolt **6**.
Route hose **D** through upper p-clamp.
Guide cable tie **4** through cable tie **2**.

- 3** Original vehicle M8 nut
- 5** Strut
- 6** M6x20 bolt, flanged nut
- 1** 29 mm dia. rubber-coated p-clamp [2x]
- 2** Cable tie around hose **D**
- 4** Cable tie and air-conditioning line

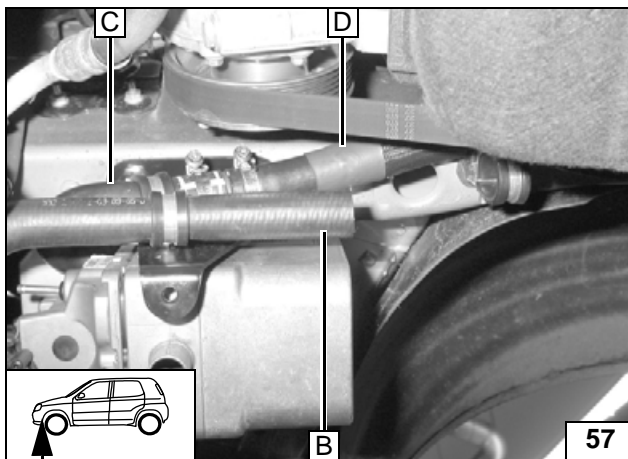
Hose routing



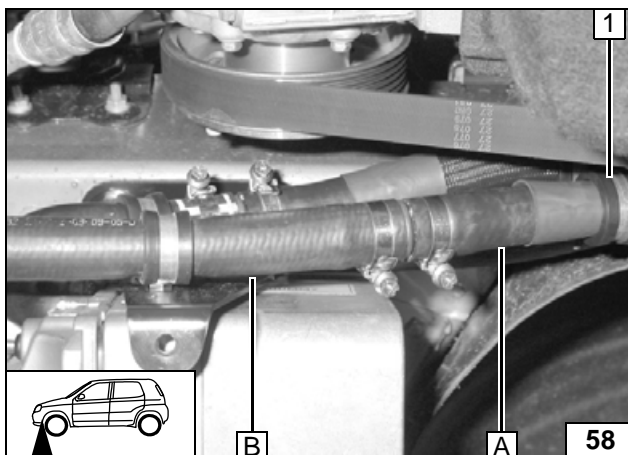
Route hose **D** through upper p-clamp **1**.

- 1** 29 mm dia. rubber-coated p-clamp (pre-mounted)

Hose routing

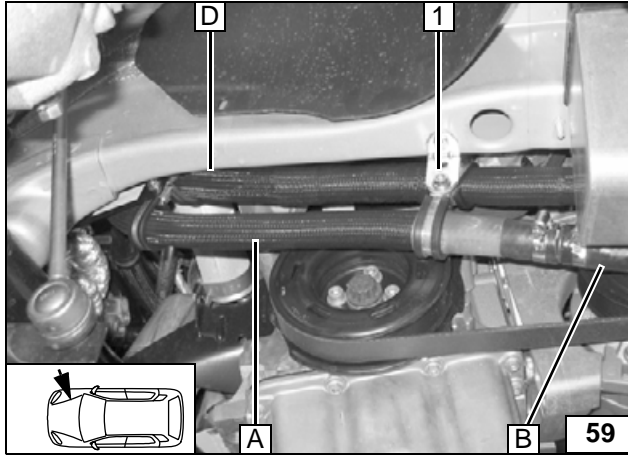


Connection on heater outlet



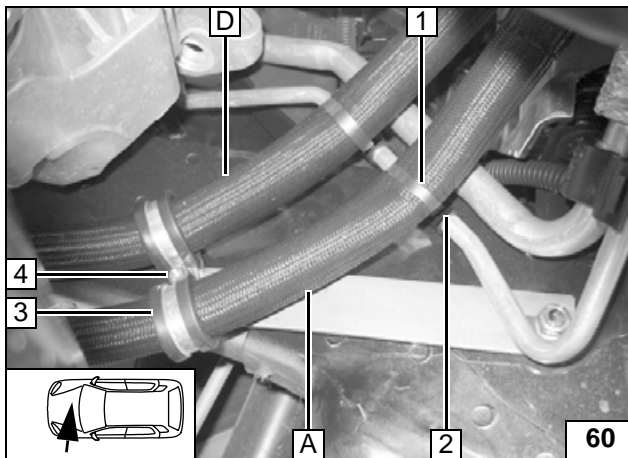
- 1** 29 mm dia. rubber-coated p-clamp (pre-mounted)

Connection on heater inlet



1 Tighten M6x20 bolt, flanged nut

Hose routing

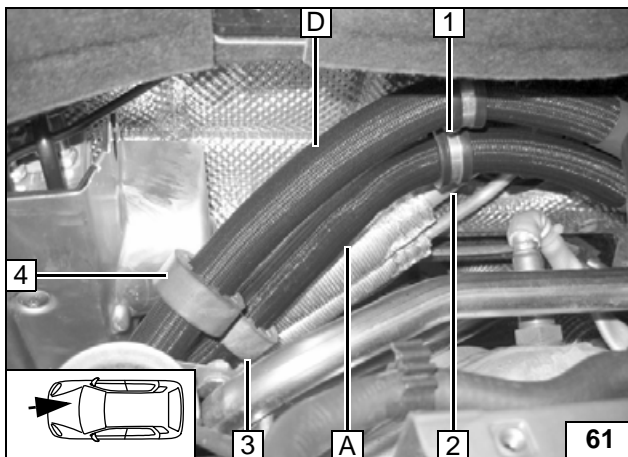


Route hose **A** through lower p-clamp. Guide cable tie **2** through cable tie **1**.

- 3 29 mm dia. rubber-coated p-clamp (pre-mounted)
- 4 Tighten M6x20 bolt, flanged nut
- 1 Cable tie around hose **A**
- 2 Cable tie and air-conditioning line



Hose routing



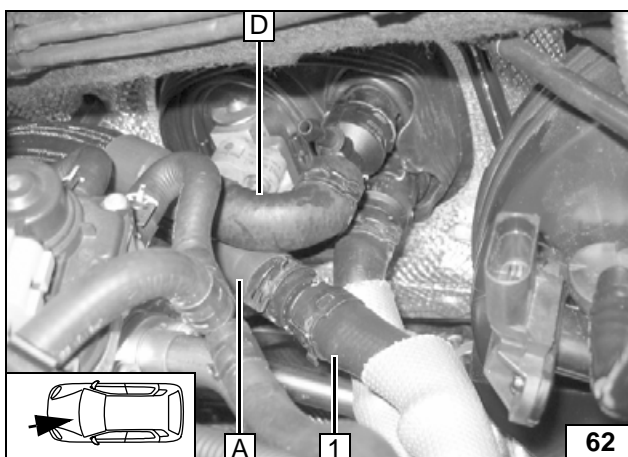
Route hose **A** through lower p-clamp.

- 3 Black (sw) rubber profile
- 2 29 mm dia. rubber-coated p-clamp (pre-mounted)
- 1 Tighten M6x16 bolt



Hose routing

Position rubber isolators **3**, **4** on ABS unit.



Before connecting, fill hoses with coolant.

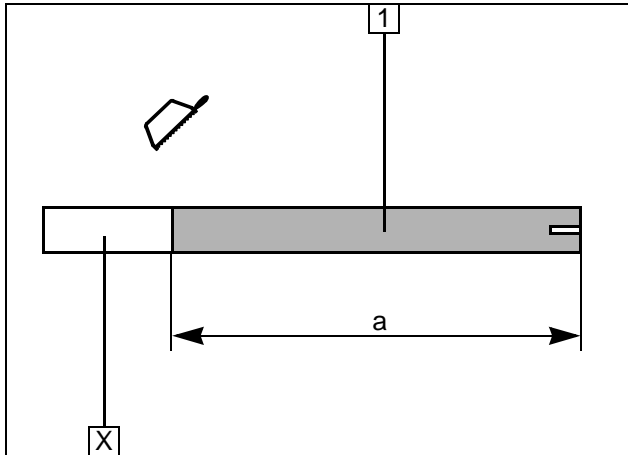
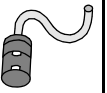
- 1 Hose section from engine outlet



Connection on engine outlet

Check routing of hoses **A**, **B**, **C**, **D** along entire length and correct if necessary.



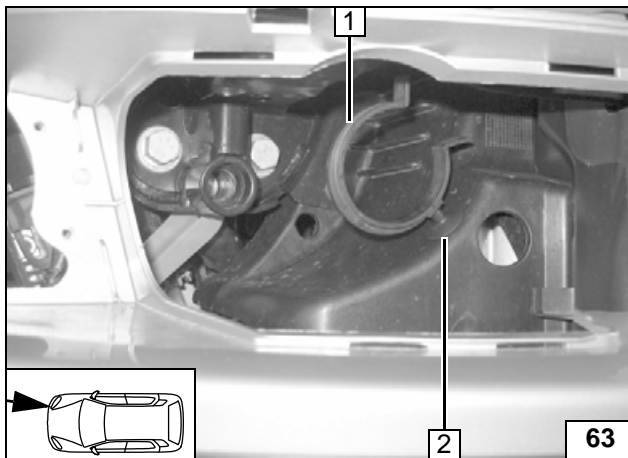


Combustion air

- 1 Combustion air pipe
a = 230 mm

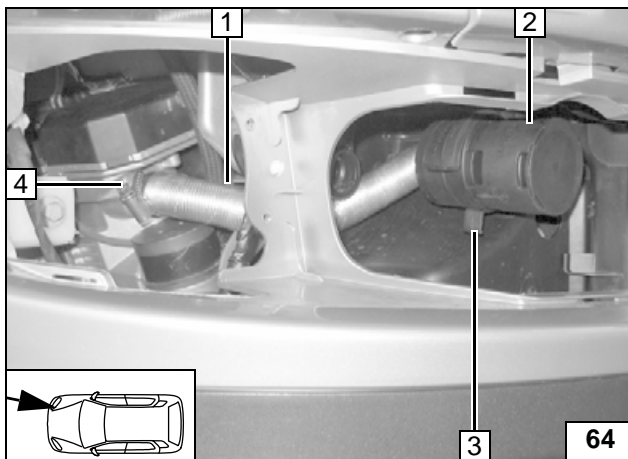
Discard section X

Cutting combustion air pipe to length



- 2 6 mm dia. hole
- 1 Retaining clip

Installing retaining clip

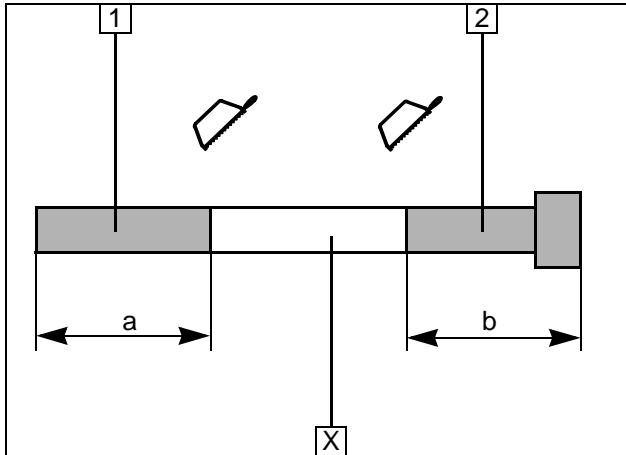
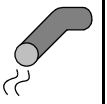


Mount slotted side on heater.

- 1 Combustion air pipe
- 4 27 mm dia. hose clamp
- 2 Silencer
- 3 Retaining clip



Installing silencer

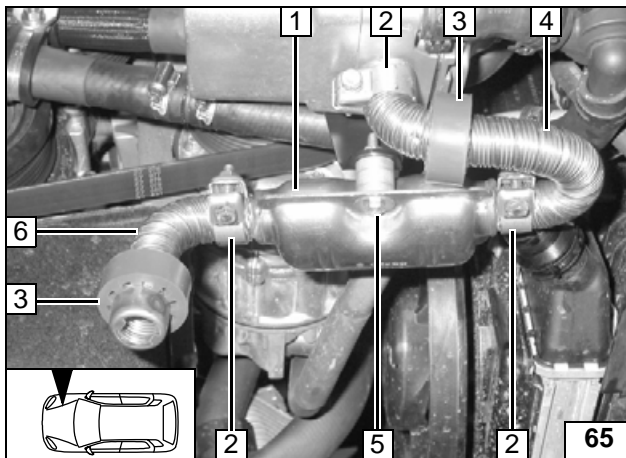


Exhaust gas

- 1 Exhaust pipe
a = 200 mm
- 2 Exhaust end section
b = 130 mm

Discard section X

**Cutting ex-
haust pipe
to length**

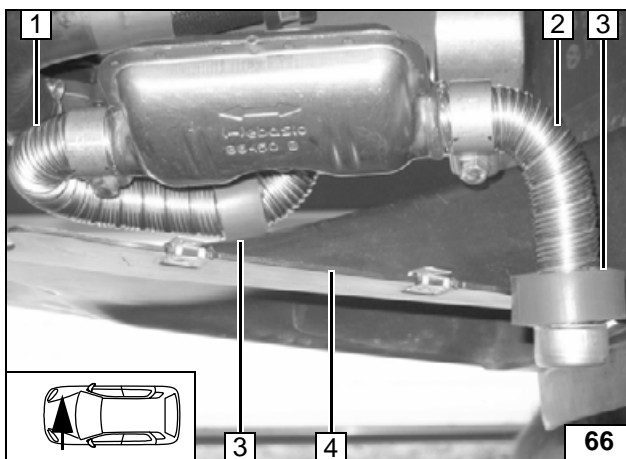


Mould exhaust pipe and exhaust end section as shown.

- 1 Silencer
- 5 M6x40 bolt, large diameter washer, 20mm spacer sleeve, flanged nut
- 4 Exhaust pipe
- 3 Red (rt) rubber isolator [2x]
- 2 Hose clamp [3x]
- 6 Exhaust end section



**Installing
exhaust
system**



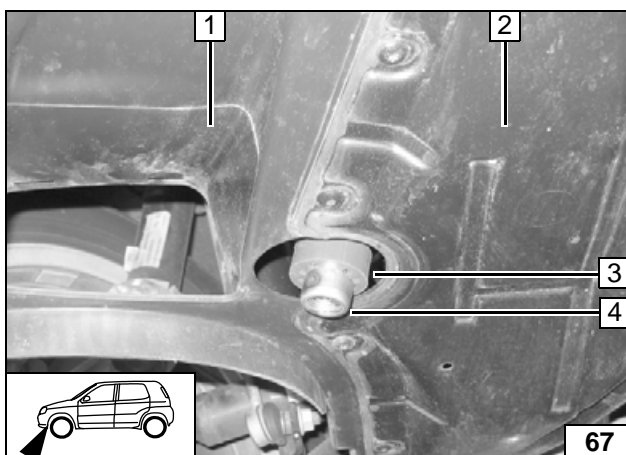
Align exhaust pipe 1 and exhaust end section 2 as shown.

Position rubber isolators 3 as shown. Ensure sufficient distance of exhaust system from other original vehicle components.

- 4 Wheel well trim
- 1 Exhaust pipe
- 2 Exhaust end section
- 3 Red (rt) rubber isolator [2x]



**Installing
wheel well
trim**

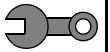


Position rubber isolator 3 and exhaust end section 4 as shown.

- 2 Underride protection
- 1 Wheel well trim
- 3 Red (rt) protective rubber isolator
- 4 Exhaust end section



**Installing
underride
protection**



Final Work

WARNING!

Mount removed parts in reverse order. Check all hoses, clamps and all electrical connections for firm seating. Insulate and tie back all loose lines.

Only use manufacturer-approved coolant. Spray the heater components with anti-corrosion wax (Tectyl 100K, Order No. 111329).

- Connect the battery
- Fill and bleed the coolant circuit according to the vehicle manufacturer's specifications.
- Set digital timer, teach telestart transmitter
- Make settings on A/C control panel according to the "Operating Instructions for End Customer".
- Place the "Switch off parking heater before refuelling" sticker near the filler neck.
- See installation instructions for initial start-up and function test



Adjusting passenger compartment monitoring

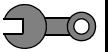
WARNING!

The pass through can only be done at an authorised workshop. Observe the applicable repair manual of the respective vehicle.

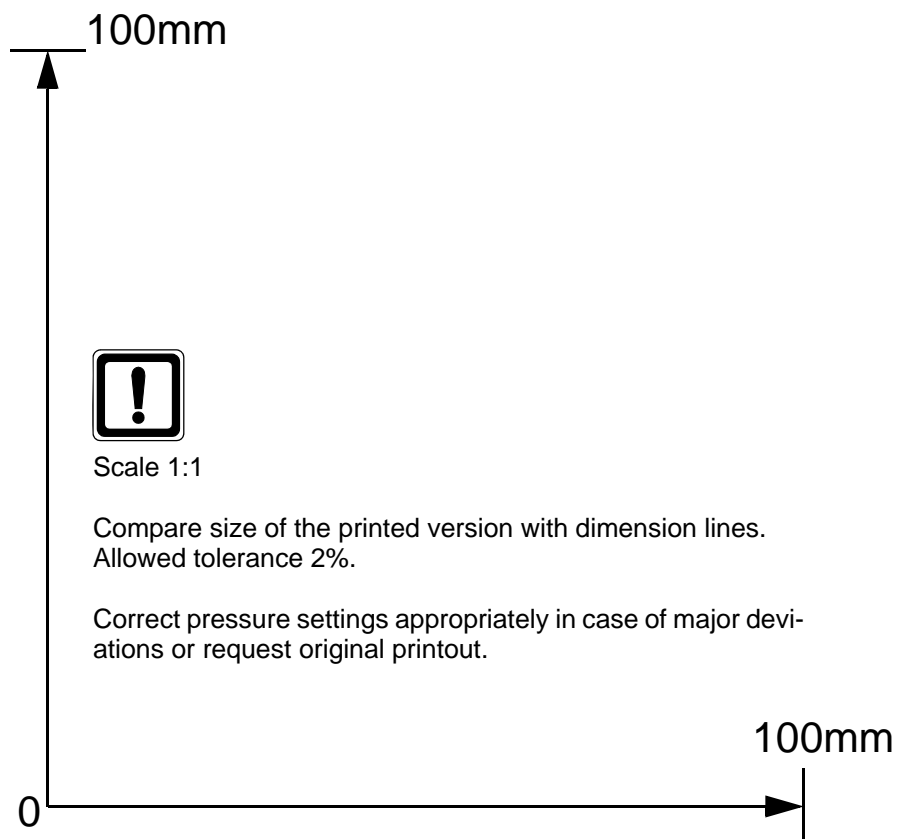
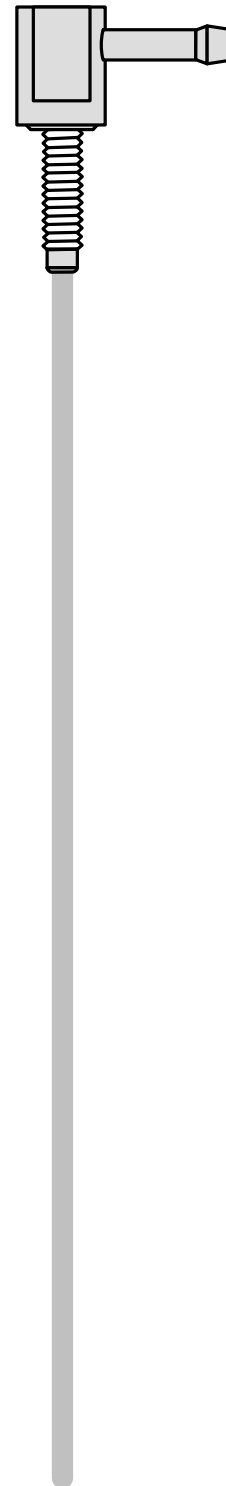
- Connect the VAS tester.
- Open Item 46 (Central Module of Comfort System)
- Go to Item 10 (Adjustment)
- Follow the request for the code entry and enter the code 15
- Reduce the sensitivity of the passenger compartment monitoring to 50 %
- Save this setting
- The adjustment of the sensitivity of the passenger compartment monitoring is completed.



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Template for Fuel Standpipe



Scale 1:1

Compare size of the printed version with dimension lines.
Allowed tolerance 2%.

Correct pressure settings appropriately in case of major deviations or request original printout.

Operating Instructions for End Customer



Please remove the page and file it in the vehicle logbook.



Note:

We recommend matching the heating time to the driving time.

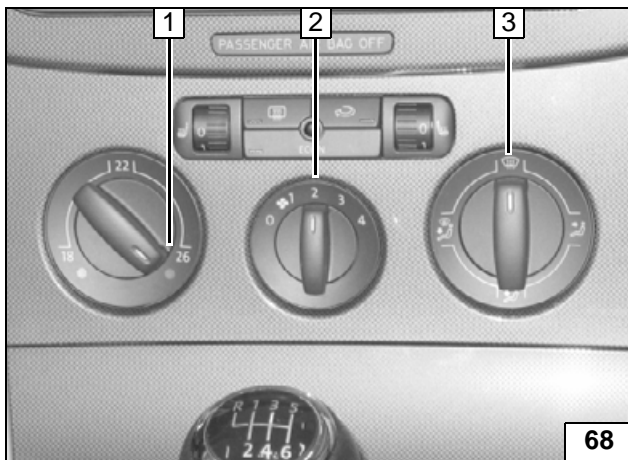
Heating time = driving time

Example:

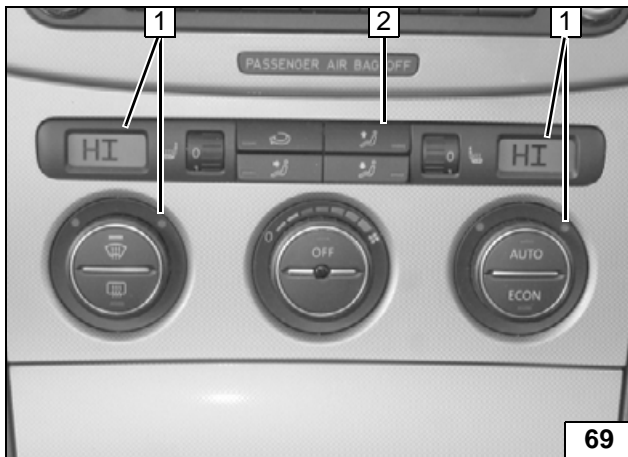
For a driving time of approx. 20 min. (in one direction), we recommend not exceeding a switch-on time of 20 min.

If the summer/winter switch option has been installed, this must be switched in accordance with the time of year. The heater will then heat in the position Winter  and in the position Summer  it will only switch on the vehicle fan to ventilate the vehicle interior.

Before parking the vehicle, make the following settings:



- 1 Set temperature to "max."
- 2 Set fan to level "1", or possibly "2"
- 3 Air outlet to windscreen



- 1 Set temperature to "HI" [2x]
- 2 Air outlet faces upward

For vehicles without Climatronic

For vehicles with Climatronic