

Water Heater



Thermo Top E Parking Heater


00 0003

Thermo Top C Parking Heater


00 0002

Installation documentation

Kia cee`d / cee`d sw / pro cee`d

Petrol

from model year 2007 - 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, 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
Kia	cee`d / cee`d sw	ED	e4 * 2001/116 * 0121 *

Engine type	Engine model	Output in kW	Displacement in cm ³
G4FA	Petrol	80	1396
G4FC	Petrol	90	1591
G4GC	Petrol	105	1975

Manufacturer	Model	Type	EG-BE No. / ABE
Kia	pro cee`d	ED	e4 * 2001/116 * 0121 *

Engine type	Engine model	Output in kW	Displacement in cm ³
G4FC	Petrol	90	1591
G4GC	Petrol	105	1975

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 is to be coordinated with the end customer before installation.

Heater/Installation Kit

Quantity	Designation	Order No.:
1	Retail accessories <i>Thermo Top E / C</i>	See Price list
1	Heater control	See Price list
1	Installation kit for Kia cee`d / cee`d sw / pro cee`d 2007 - 2009 B	1312333E

Heater recommended for the respective vehicle class:

Vehicle	Heater
Compact car	Thermo Top E
Mid-size car, estate car	Thermo Top C

The selection of the heater 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 Kia cee`d / cee`d sw / pro cee`d Petrol vehicles - for validity, see page 2 - from model year 2007 - 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 the "installation documentation", the "operating instructions" and "installation instructions" for the *Thermo Top C/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 should be fitted with rub protection (split-open fuel hose).

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

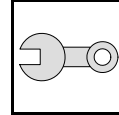
Special Tools

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

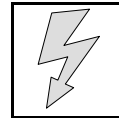
Explanatory notes on document

To provide you with a quick overview of the individual working steps, you will find an identification mark on the outside top right corner of the page in question.

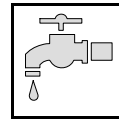
Mechanical system



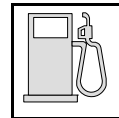
Electrical system



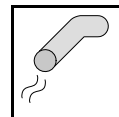
Water



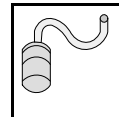
Fuel



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.



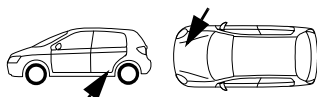
Specific risk of fire or explosion.



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



Reference to a special technical feature.

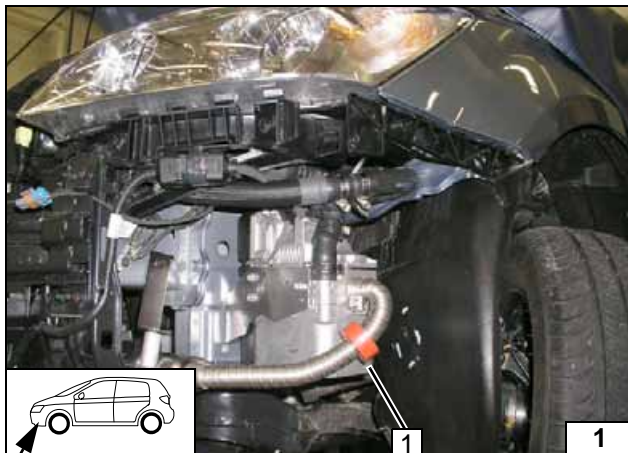


The arrow in the vehicle icon indicates the position on the vehicle and the viewing angle.

Preliminary work**WARNING!**

- Open the fuel tank cap and vent the fuel tank.
- Close the fuel tank cap again.
- Disconnect the battery "earth" or "ground" connection.
- 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 door sill trim on the front passenger's side.
- Remove the A-pillar trim in the front passenger's side footwell.
- Remove the trim for radio/A/C control panel.
- Remove the lower instrument panel trim on the driver's side.
- Remove the rear bench seat.
- Open the tank-fitting service lid.
- Remove the air filter together with the intake hoses.
- Detach the trim of the cable pass through on the firewall.
- Detach the wheel well trim on the right and left.
- Remove the bumper.
- Remove the rear left tank trim.

Remove page 36 "Operating Instructions for the End Customer" and add to the vehicle operating instructions.

**Heater installation location**

1 Heater

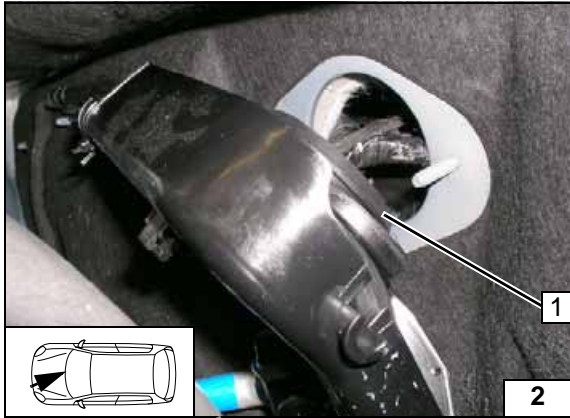
Installation location



Electrical Connection

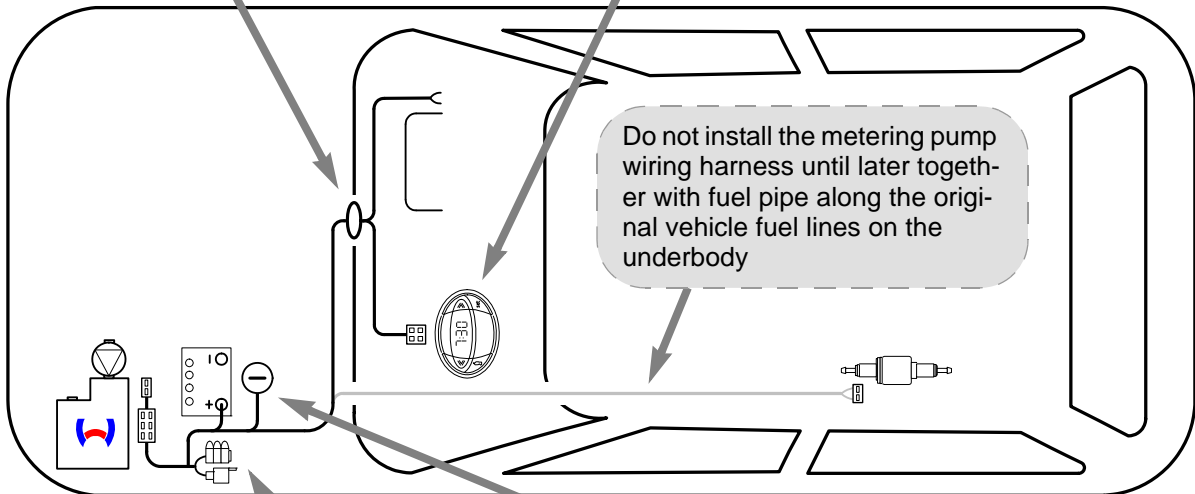
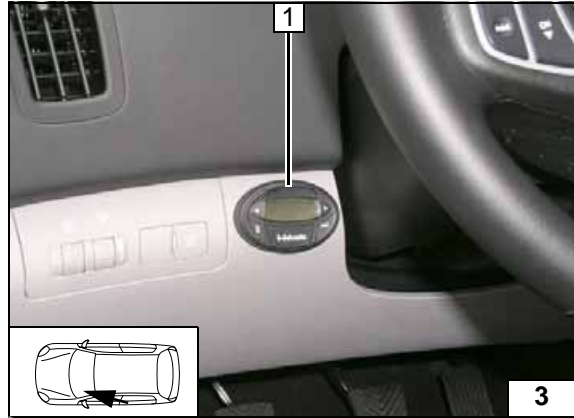
Wiring harness pass through

- 1 Protective rubber plug

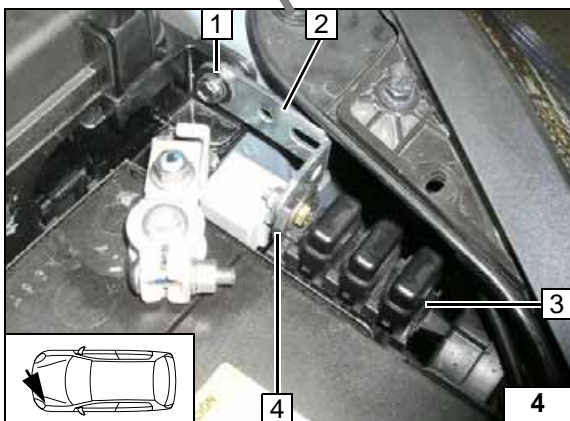


Digital timer

- 1 Digital timer



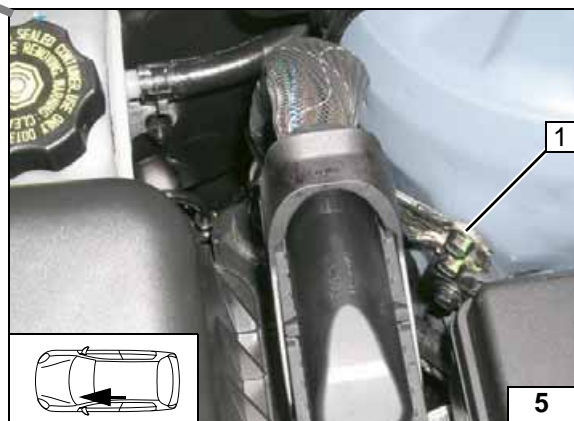
Wiring harness routing diagram



Fuse holder, K3 relay

Angle down perforated bracket 2 according to template.

- 1 Original vehicle bolt
- 3 Fuse holder, replace F3 25 A fuse with 10 A fuse.
- 4 M5x16 bolt, washer, retaining plate of fuse holder, K3 relay, nut



Earth connection

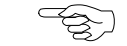
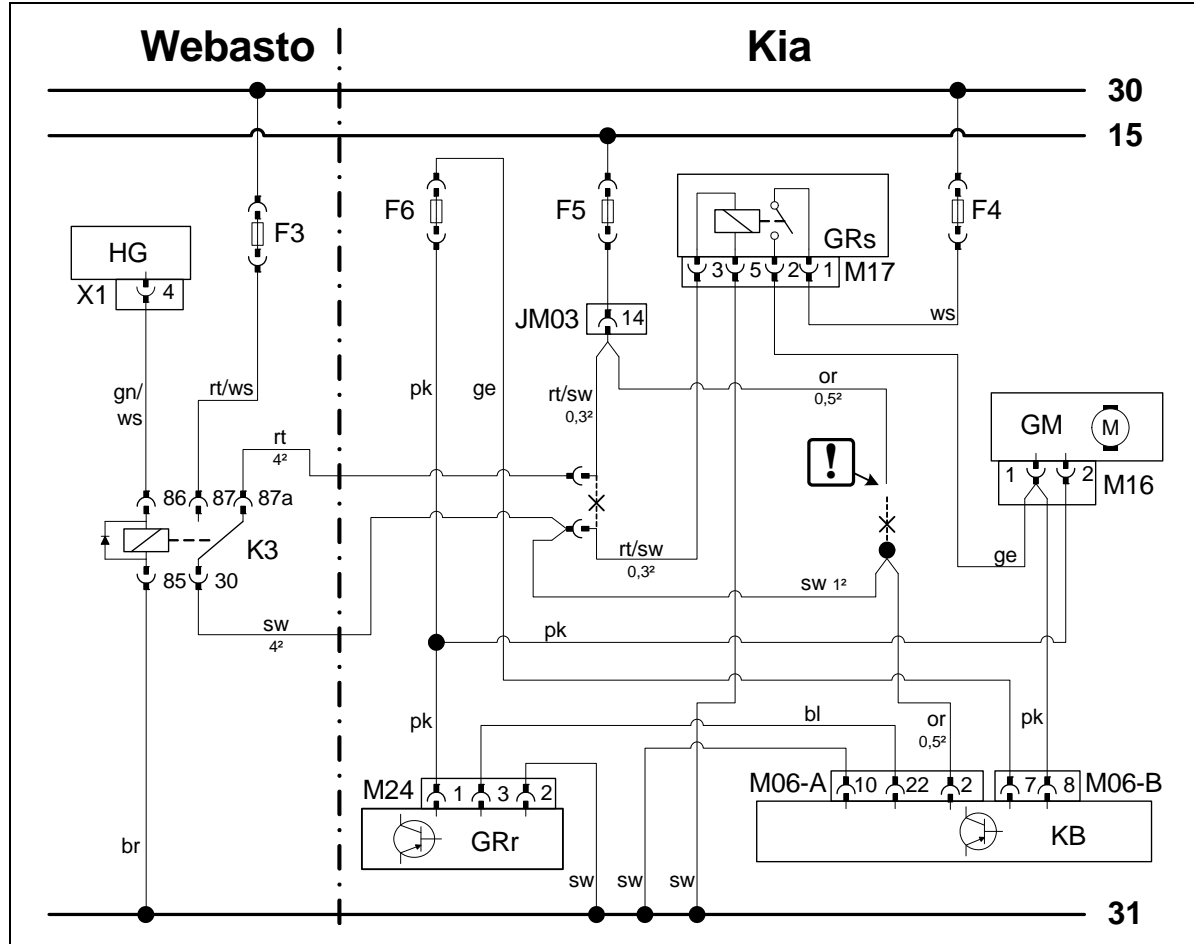
- 1 Earth point on strut tower



Fan controller for manual air conditioning

The triggering of the manual air conditioning depends on the respective vehicle equipment and one differentiates between two variants!

Variant 1



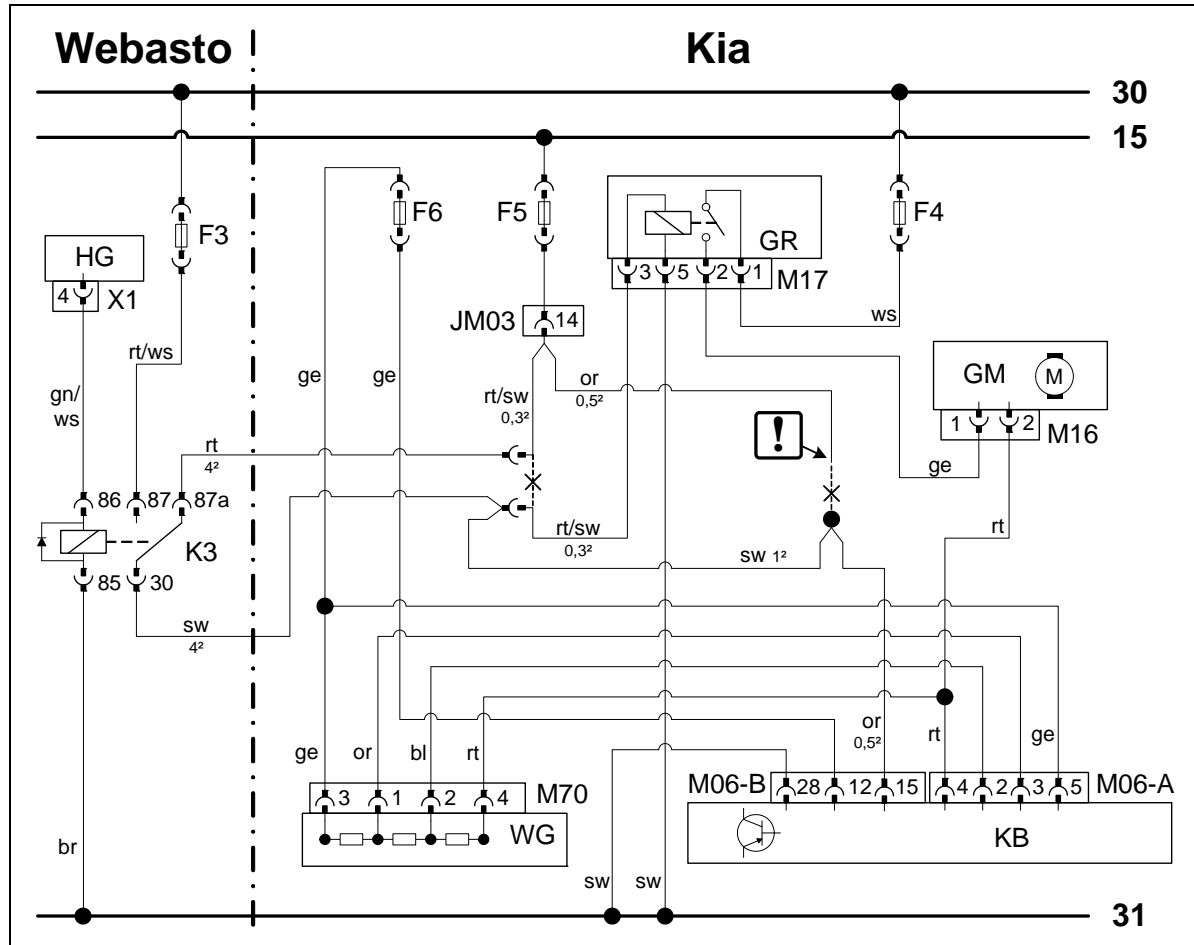
Wiring diagram

Webasto components		Vehicle components		Colours and symbols	
HG	TT-C/E Heater	GM	Fan motor	rt	red
X1	6-pin heater connector	M16	Connector GM	ws	white
F3	Replace 25 A with 10 A fuse.	KB	A/C control panel	sw	black
K3	Fan relay	M06-A	23-pin connector KB	or	orange
		M06-B	8-pin connector KB	gn	green
		F4	Fuse, 40A	bl	blue
		F5	Fuse, 10A	ge	yellow
		F6	Fuse, 10A	pk	pink
		GRs	Fan relay		
		M17	5-pin connector GRs		
		JM03	Connector	!	Insulate wire end and tie back
		GRr	Fan controller		
		M24	Connector GRr	X	Cutting point
				Wiring colours may vary.	

Legend



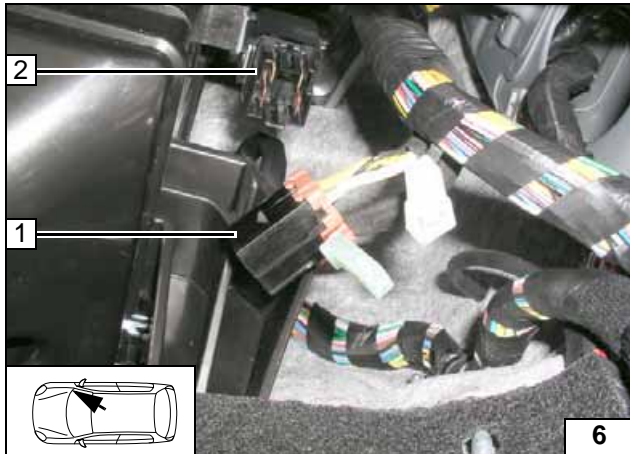
Variant 2



Wiring diagram

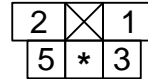
Webasto components		Vehicle components		Colours and symbols	
HG	TT-C/E Heater	GM	Fan motor	rt	red
X1	6-pin heater connector	M16	Connector GM	ws	white
F3	Replace 25 A with 10 A fuse.	KB	A/C control panel	sw	black
K3	Fan relay	M06-A	6-pin connector KB	or	orange
		M06-B	28-pin connector KB	gn	green
		F4	Fuse, 40A	bl	blue
		F5	Fuse, 10A	ge	yellow
		F6	Fuse, 10A	pk	pink
		GR	Fan relay		
		M17	5-pin connector GRs		
		JM03	Connector	!	Insulate wire end and tie back
		WG	Resistor group		
		M70	WG connector	X	Cutting point
				Wiring colours may vary.	

Legend

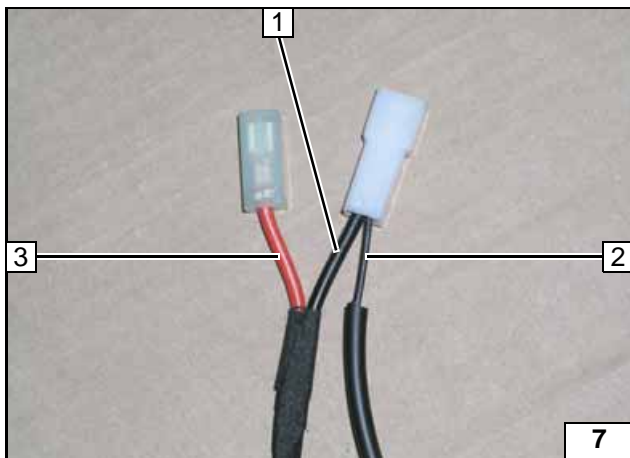


All vehicles:

Connection on connector M17 1 of fan relay 2 on right next to glove compartment. Pull off connector M17. Disconnect red/black (rt/sw) wire, 0.3², at Pin 3.



Connector of fan relay M17



Produce connection as shown in wiring diagram. Install additional black (sw) wire 2 in protective sleeving.

- 1 Black (sw) wire from K3/30
- 3 Red (rt) wire from K3/87a

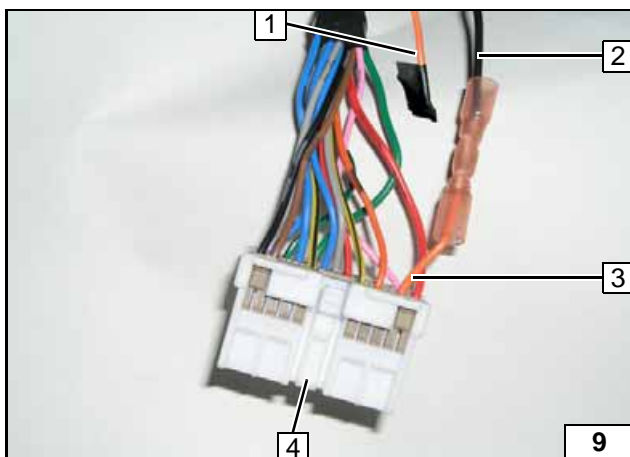
Preparing additional wire



Produce connections as shown in wiring diagram.

- 1 Red (rt) wire from K3/87a
- 2 Black (sw) wire from K3/30

Connecting fan relay

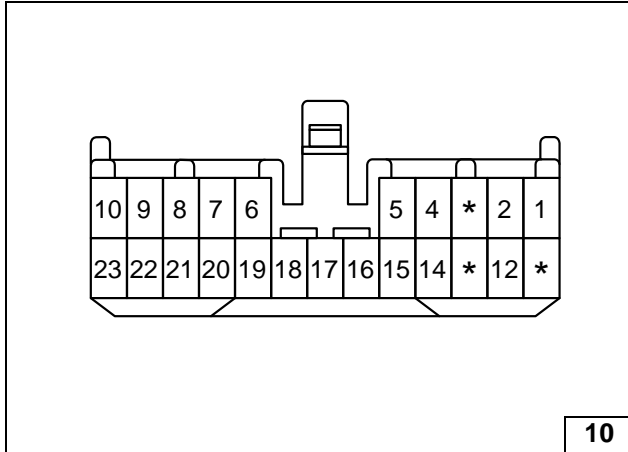


Variant 1:

Connection on 23-pin M06-A connector 4 of A/C control panel. Produce connections as shown in wiring diagram.

- 1 Insulate orange (or) wire of connector JM03, PIN 14 and tie back
- 2 Black (sw) additional wire
- 3 Orange (or) wire, PIN 2

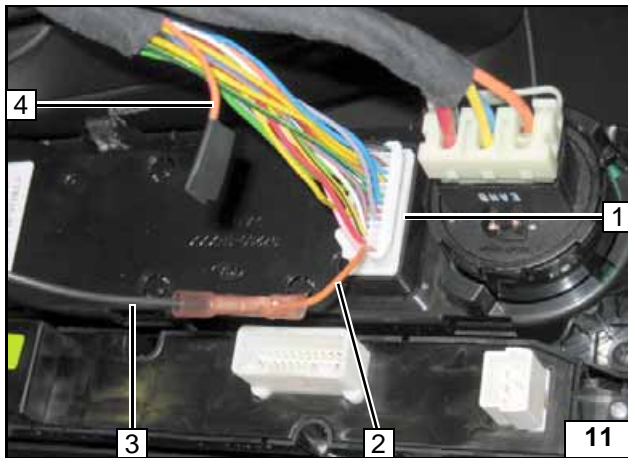
Connecting A/C control panel



Connector M06A of A/C control panel on contact side.



Connector KB



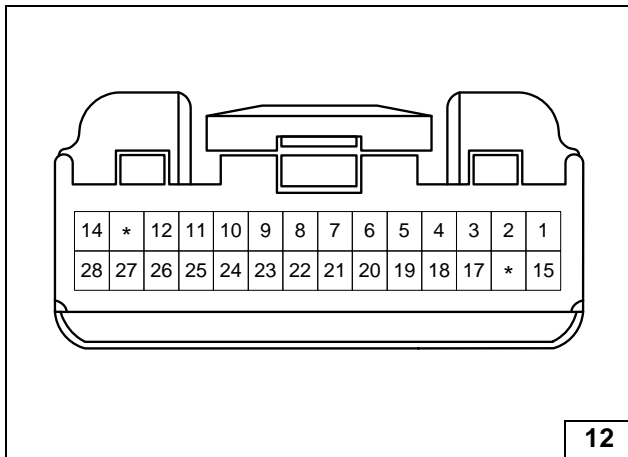
Variant 2:

Connection on 28-pin M06-B connector 1 of A/C control panel. Produce connections as shown in wiring diagram.

- 2 Orange (or) wire, PIN 15
- 3 Black (sw) additional wire
- 4 Insulate orange (or) wire of connector JM03, PIN 14 and tie back



Connecting A/C control panel



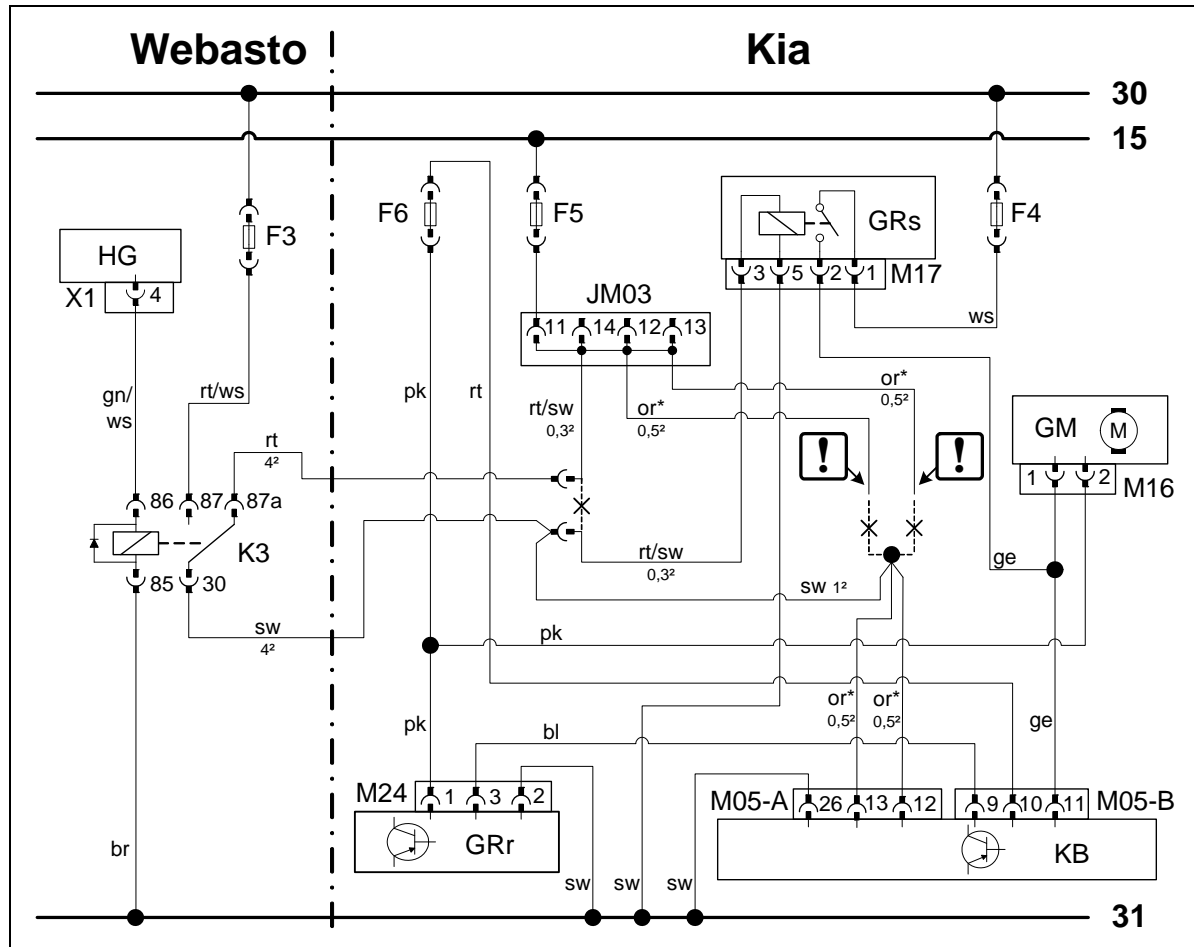
Connector M06B of A/C control panel on contact side. Connector imprint does not match wiring diagram!



Connector KB



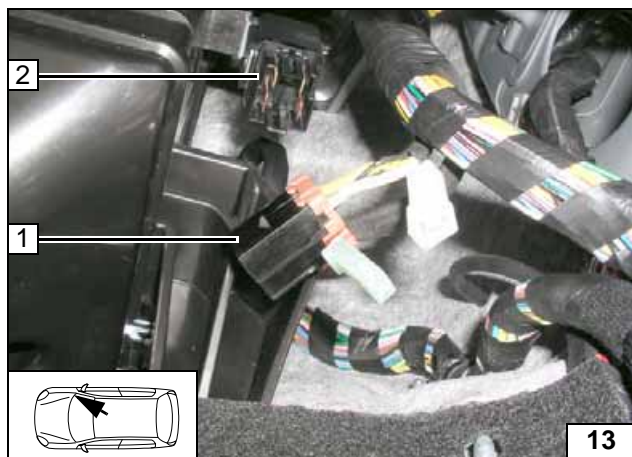
Automatic air-conditioning fan controller



Wiring diagram

Webasto components		Vehicle components		Colours and symbols	
HG	TT-C/E Heater	GM	Fan motor	rt	red
X1	6-pin heater connector	M16	Connector GM	ws	white
F3	25 A replaced with 10 A fuse.	KB	A/C control panel	sw	black
K3	Fan relay	M05-A	26-pin connector KB	or	orange
		M05-B	22-pin connector KB	gn	green
		F4	Fuse, 40A	bl	blue
		F5	Fuse, 10A	ge	yellow
		F6	Fuse, 10A	pk	pink
		GRs	Fan relay		
		M17	5-pin connector GRs	*	orange (or) or red/black (rt/sw)
		JM03	Connector	!	Insulate wire end and tie back
		GRr	Fan controller	X	Cutting point
		M24	Connector GRr		
					Wiring colours may vary.

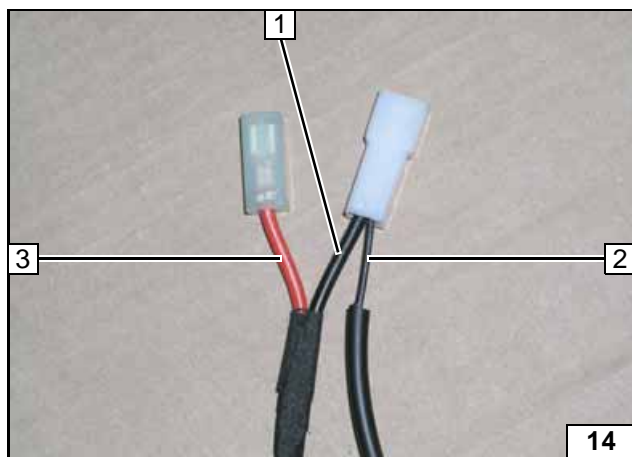
Legend



Connection on connector M17 **1** of fan relay **2** on right next to glove compartment. Pull off connector M17. Disconnect red/black (rt/sw) wire, 0.3², at Pin 3.



Connector of fan relay M17

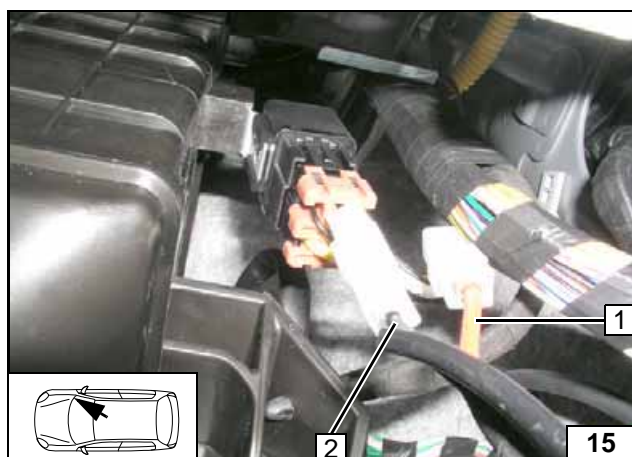


Produce connection as shown in wiring diagram. Install additional black (sw) wire **2** in protective sleeving.



Preparing additional wire

- 1** Black (sw) wire from K3/30
- 3** Red (rt) wire from K3/87a

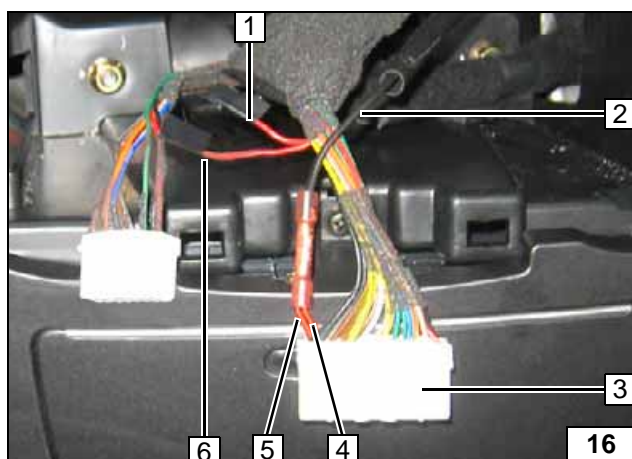


Produce connections as shown in wiring diagram.



Connecting fan relay

- 1** Red (rt) wire from K3/87a
- 2** Black (sw) wire from K3/30

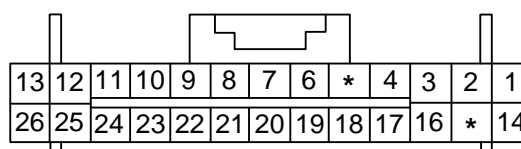


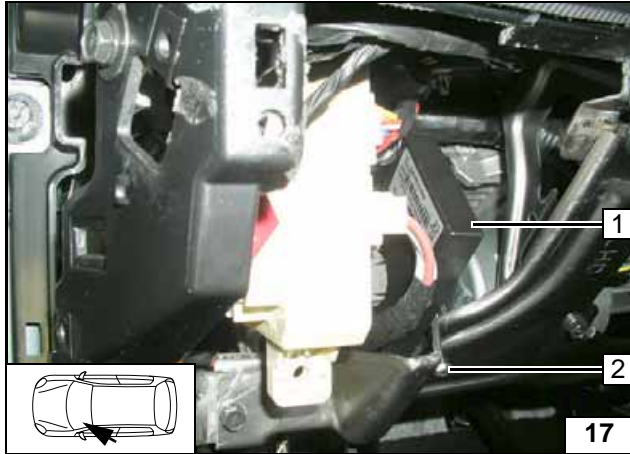
Connection on connector M05-A **3** of A/C control panel. Insulate orange (or) wires **1**, **6** of connector JM03, PIN 12; 13 and tie back. Produce connections as shown in wiring diagram.



Connecting A/C control panel

- 2** Black (sw) additional wire
- 4** Orange (or) or red/black (rt/sw) wire, PIN 12
- 2** Orange (or) or red/black (rt/sw) wire, PIN 13



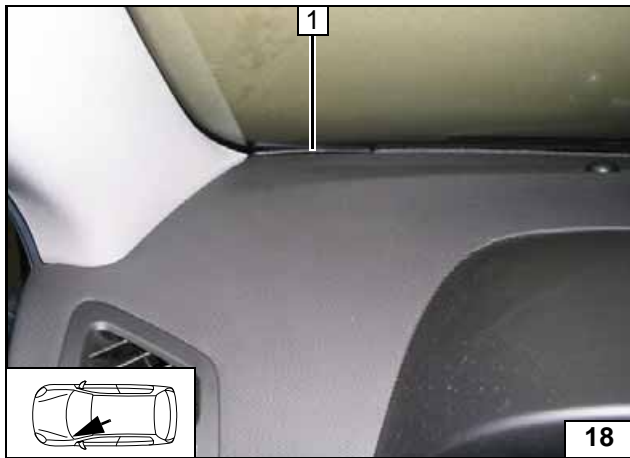


Remote option (Telestart)

- 1 Receiver, bracket angled down
- 2 5.5 mm dia. hole, M5x16 bolt, flanged nut

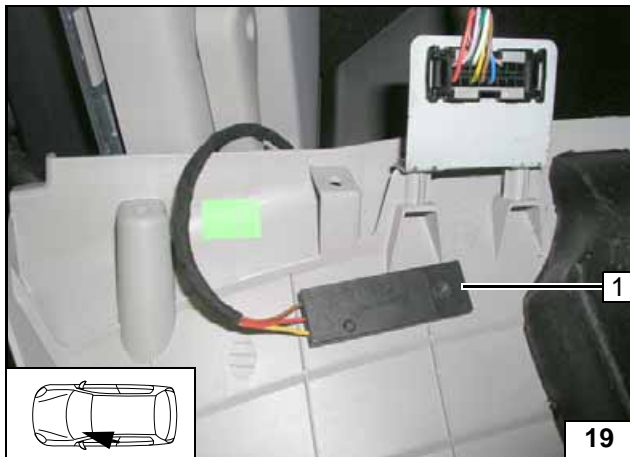


Mounting receiver



- 1 Antenna

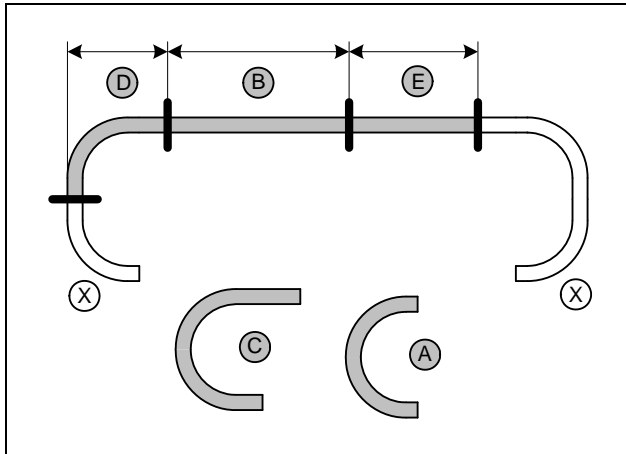
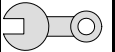
Mounting antenna



Temperature sensor for HTM100 only

- 1 Temperature sensor, fasten with suitable means

Mounting temperature sensor



Preparing heater

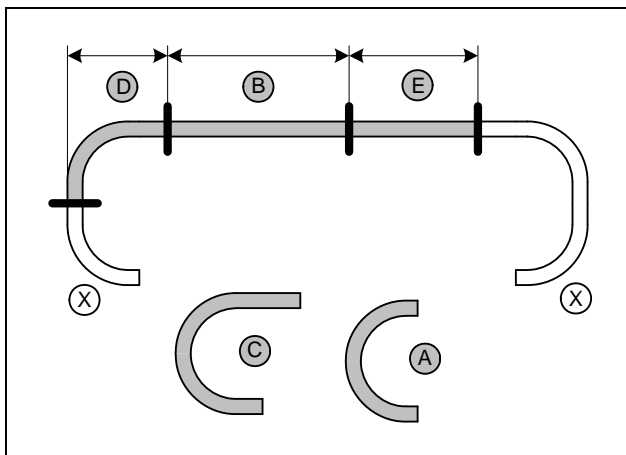
1.4 and 1.6 B

- B** = 1,020mm
- D** = 130mm
- E** = 920mm

Discard section **X**



Cutting coolant hoses to length



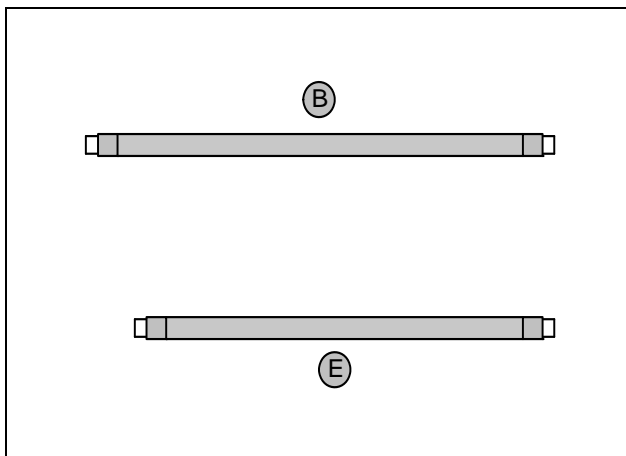
2.0 B

- B** = 1,120mm
- D** = 130mm
- E** = 950mm

Discard section **X**



Cutting coolant hoses to length



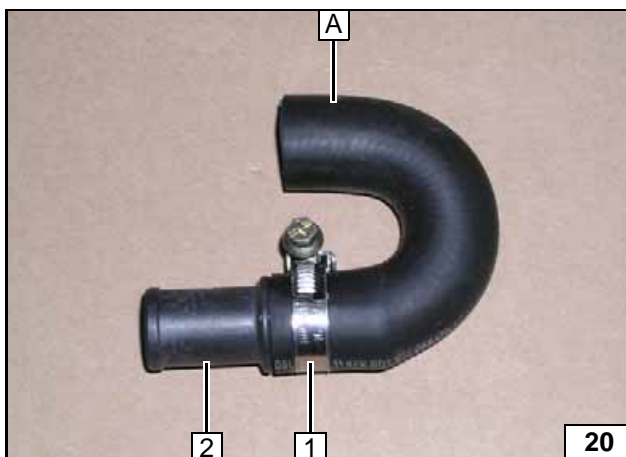
All vehicles

Push braided protection hose onto hose **B** and **E** and cut to length.
Cut heat shrink plastic tubing to length.

- 1** 25 mm heat shrink plastic tubing [4x]



Preparing coolant hoses

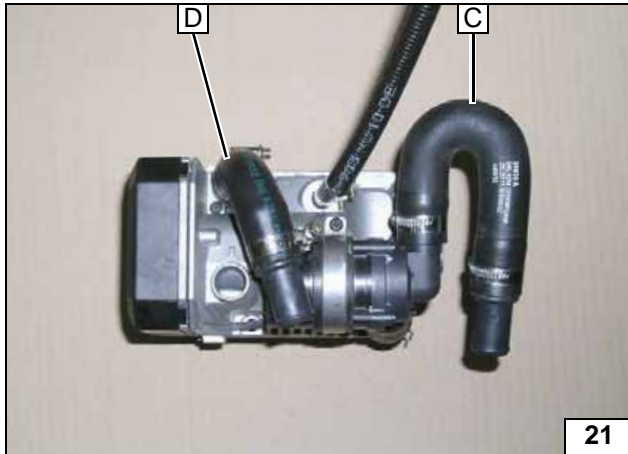
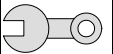


A 180° moulded hose 403474

1 27mm dia. clamp

2 Connecting pipe, dia. 18x20 mm

Preparing hose A



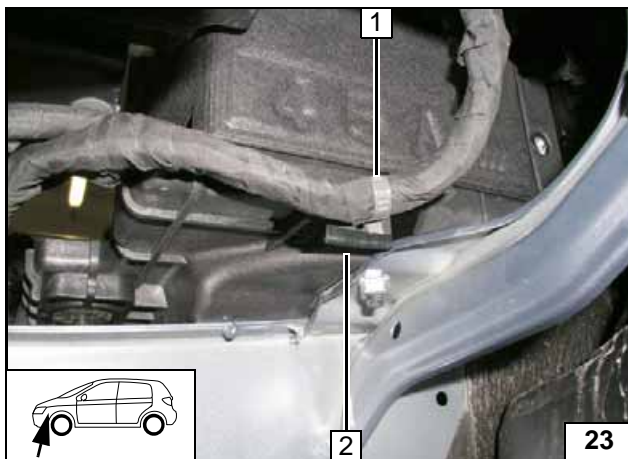
- D** Hose section, connecting pipe dia. 20x20 mm, 27 mm dia. clamp [2x]
- C** 180° moulded hose 29938, connecting pipe, 20x20 mm dia., 27 mm dia. clamp [2x]

Premounting coolant hoses on heater



- 1** Hose section, 10 mm dia. clamp [2x]
- 2** Fuel line in corrugated hose

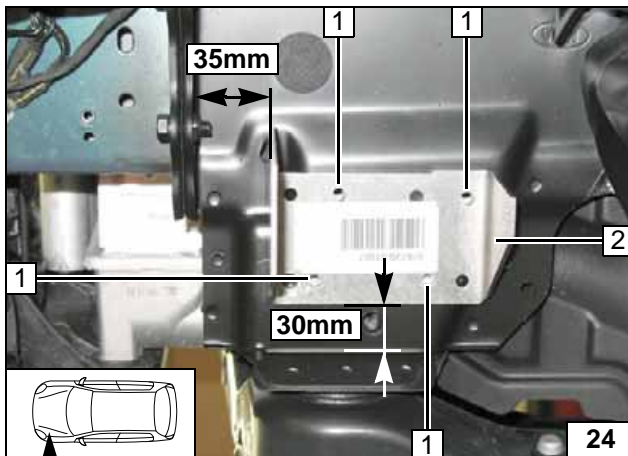
Premounting fuel hose on heater



Preparing installation location

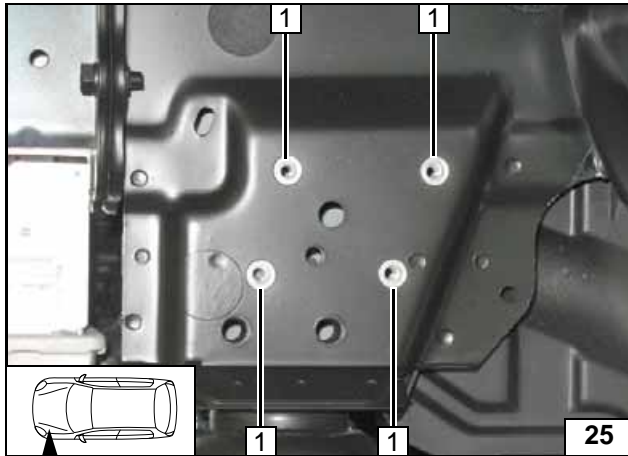
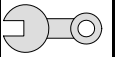
- 1** Original vehicle retaining clip released
- 2** Insert 30 mm edge protection

Moving wiring harness



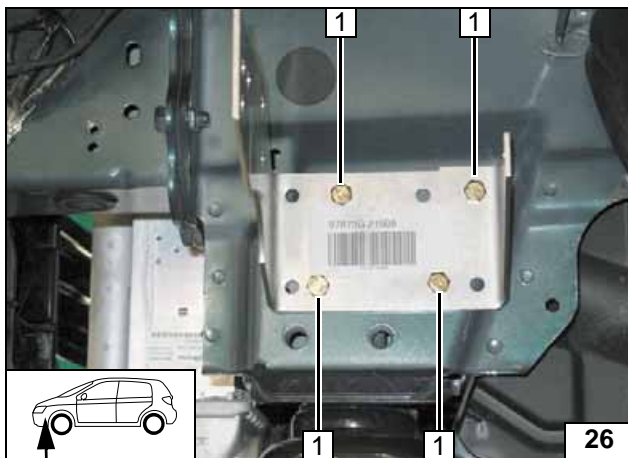
Align bracket 2, copy hole pattern 1 [4x]

Copying hole pattern



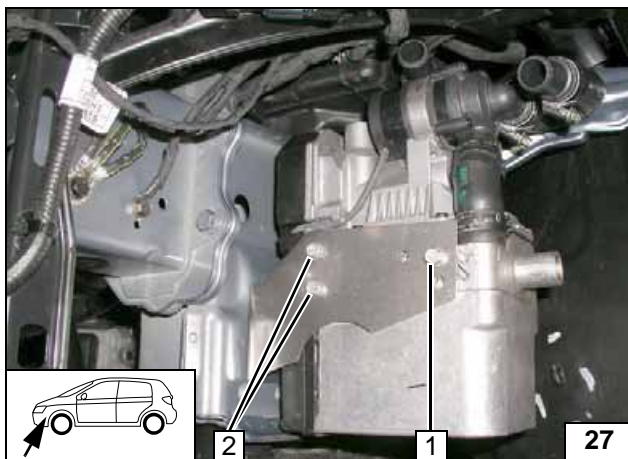
1 9.1 mm dia. hole; mount rivet nut [4x each]

Installing rivet nuts



1 M6x25 bolt, spring lockwasher [4x each]

Installing bracket

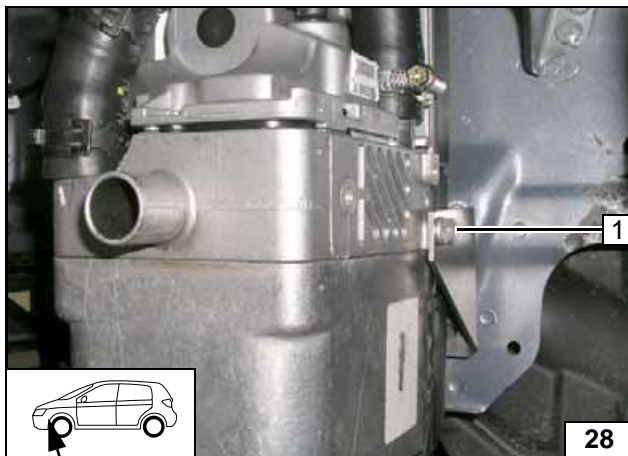


Installing heater

Ejot screws, tightening torque 10 Nm. Insert two washers between heater and bracket at position 1.

- 1 Ejot screw, washer [2x]
- 2 Ejot screw [2x]

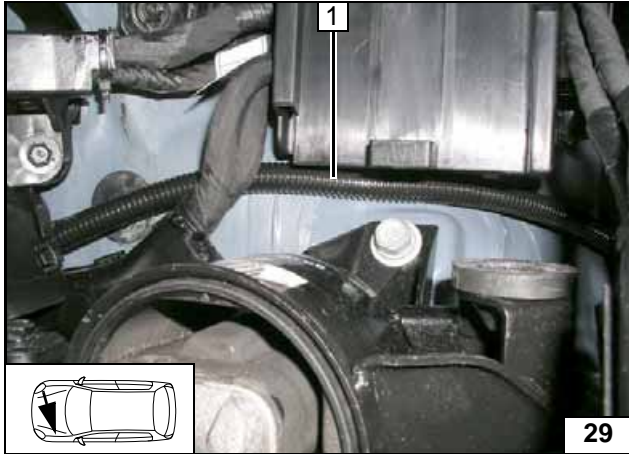
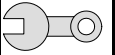
Mounting heater



Ejot screw 1, tightening torque 10 Nm.

Mounting heater

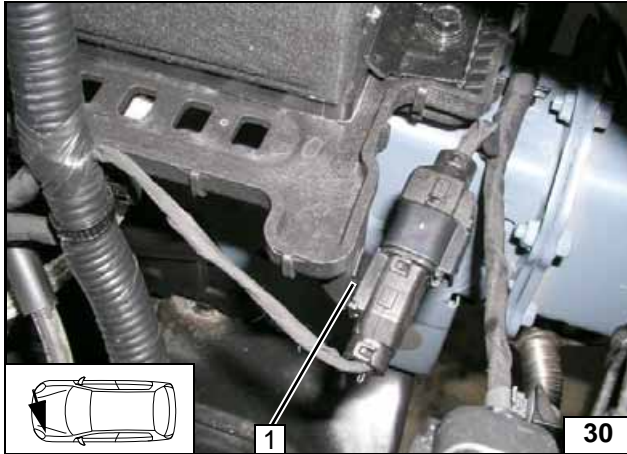
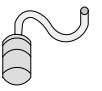




Route fuel line and wiring harness of metering pump in corrugated tube **1** to firewall and along original vehicle fuel lines to underbody. Cut fuel line to length at installation location of metering pump.



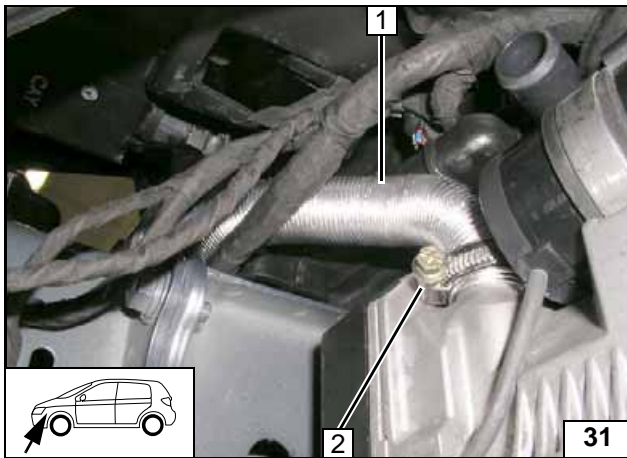
Routing fuel line and wiring harness



Combustion air

- 1 Retaining clip

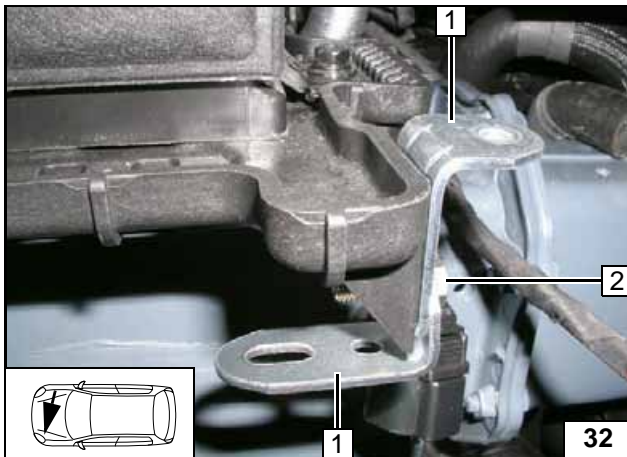
Releasing retaining clip of connector



- 1 Combustion-air intake pipe
- 2 27 mm dia. hose clamp

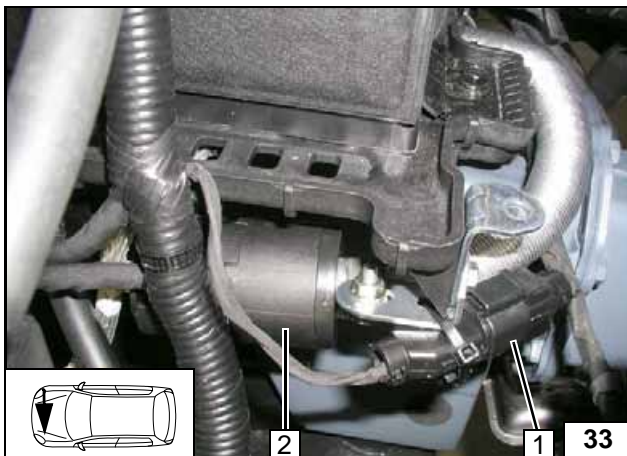


Installing intake pipe



- 1 Angle bracket [2x]
- 2 M6x20 bolt, flanged nut

Installing angle bracket



- 1 Original vehicle connector, cable tie on angle bracket
- 2 Combustion-air intake silencer, 25 mm dia. p-clamp, M6x20 bolt, flanged nut on angle bracket



Mounting silencer



Coolant circuit 1.4 and 1.6 B

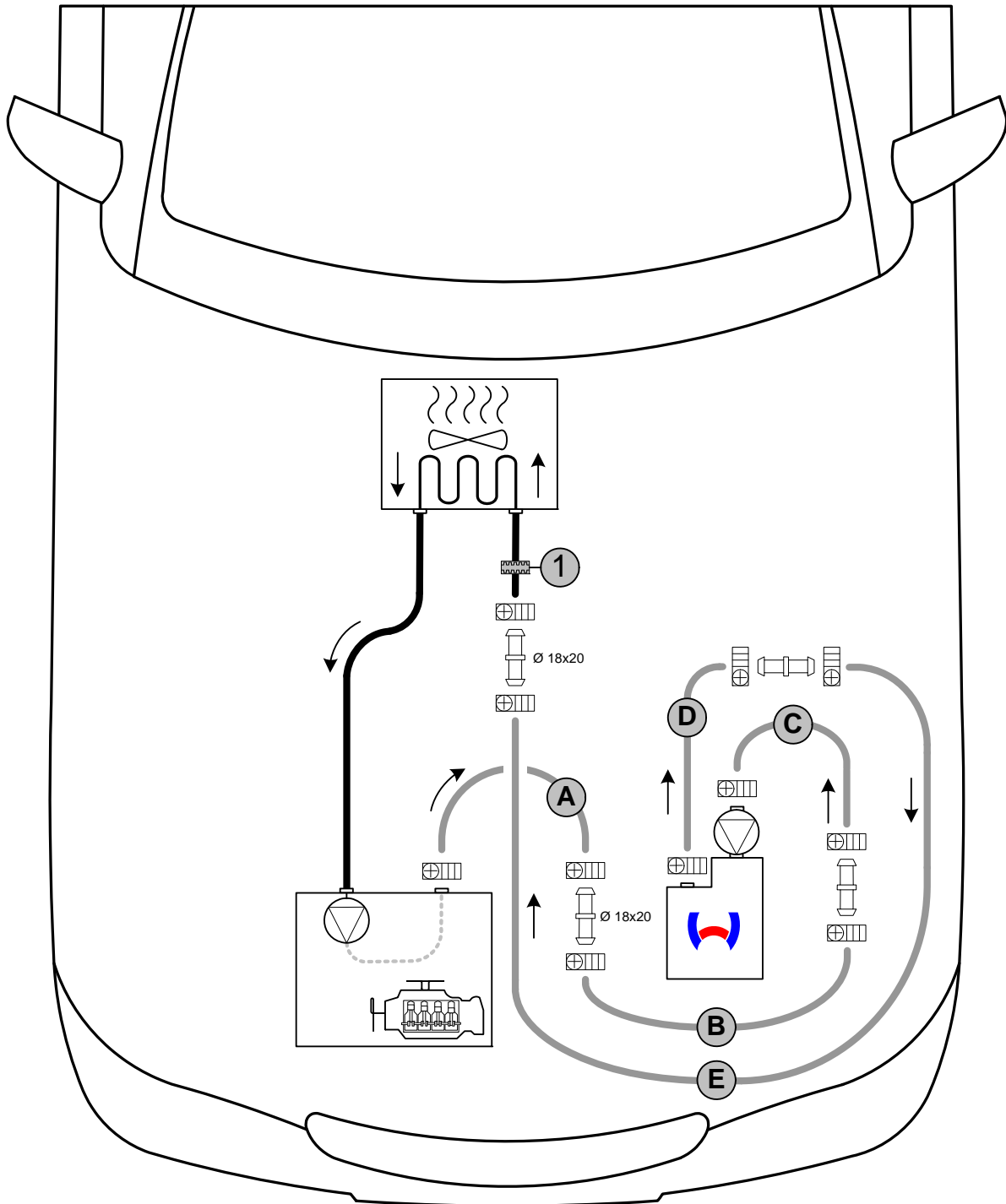
WARNING!

Tighten all hose clamps to 2.0 + 0.5 Nm.

Any coolant running off should be collected in a suitable container.


Install coolant hoses so that they are kink-free. Unless specified otherwise, always fasten using cable ties. Position hose clamps so that no other hose can be damaged!

The connection should be "inline" based on the following diagram:



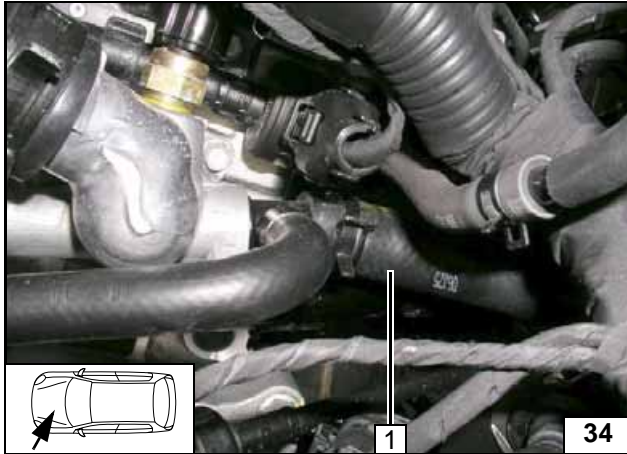
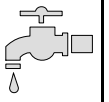
Hose installation diagram

All hose clamps  = 20-27 mm dia.

1 = Black (sw) rubber isolator 

All connecting pipes without a specific designation  = 20x20 mm.

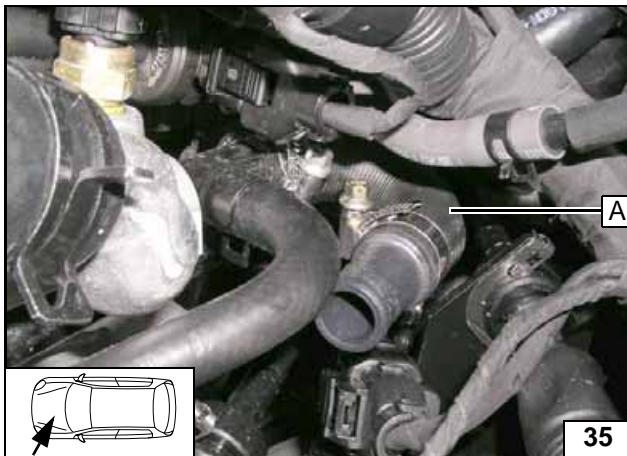




Pull original vehicle hose 1 off connection piece of engine outlet.



Cutting point

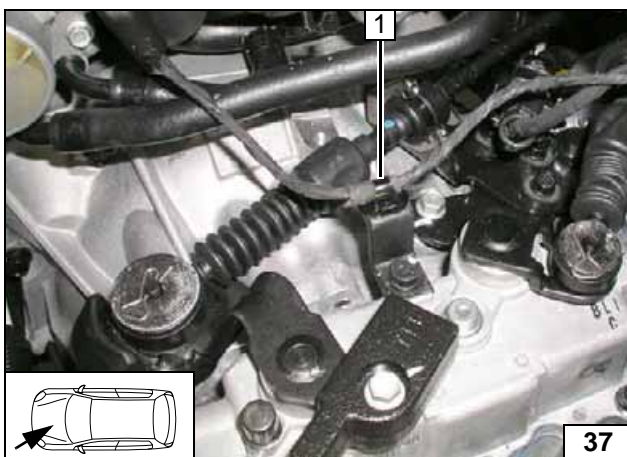


Connecting engine outlet



1 Hose section of heat exchanger inlet
2 Black rubber isolator

Installing rubber isolator



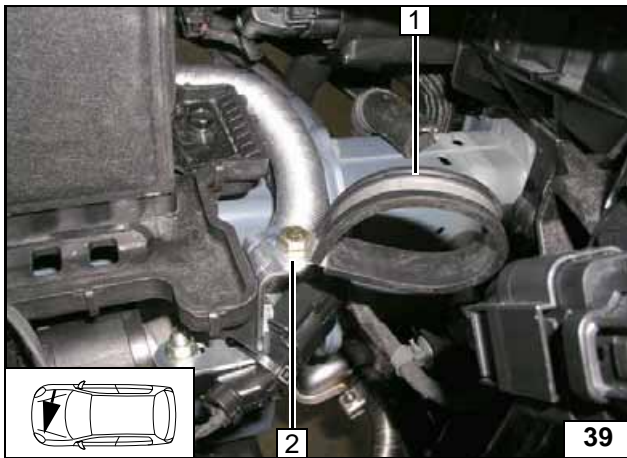
1 Retaining clip

Releasing retaining clip



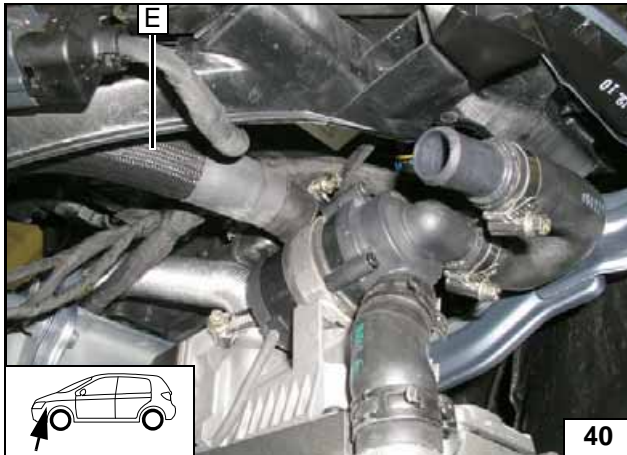
- 1 M6x20 bolt, flanged nut
- 2 Rubber-coated pipe clamp, 48 mm dia.

Installing p-clamp

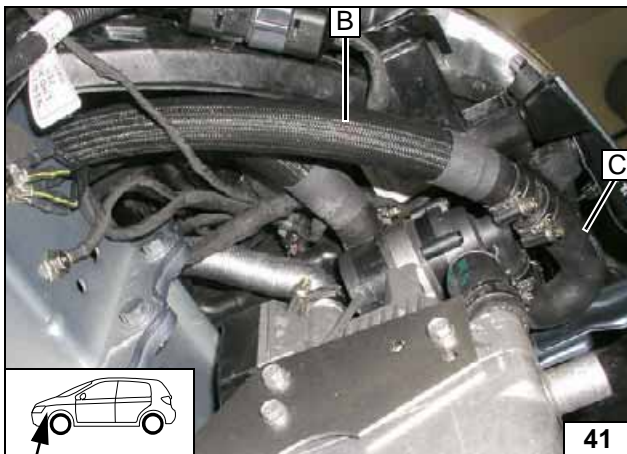


- 1 Rubber-coated pipe clamp, 48 mm dia.
- 2 M6x20 bolt, flanged nut

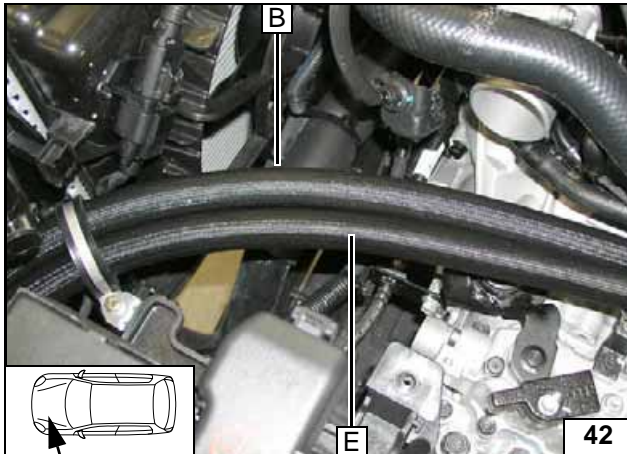
Installing p-clamp



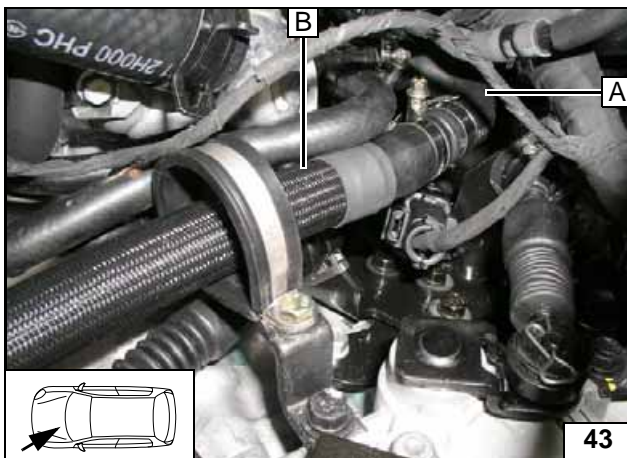
Connect-
ing heater
outlet



Connect-
ing heater
inlet



Routing in engine compartment



Connecting engine outlet

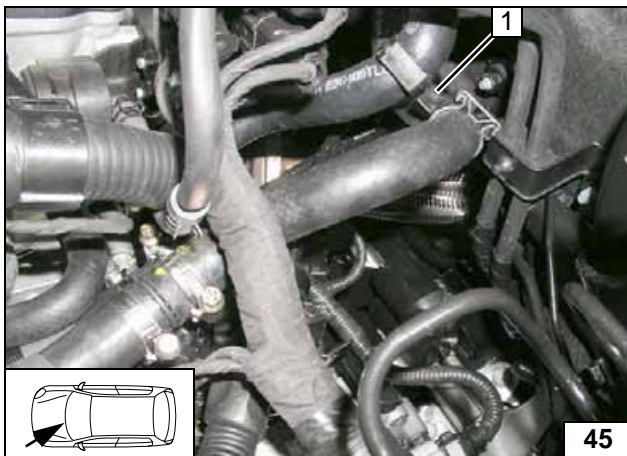


Before connecting, fill the coolant hoses with coolant.



- 1 Hose section of heat exchanger inlet
- 2 Original vehicle wiring harness, retaining clip removed, cable tie

Connecting heat exchanger inlet



Ensure sufficient distance to adjacent components, correct if necessary. Install spacer 1 and align black (sw) rubber isolator (covered).



Aligning hoses



Coolant circuit 2.0 B

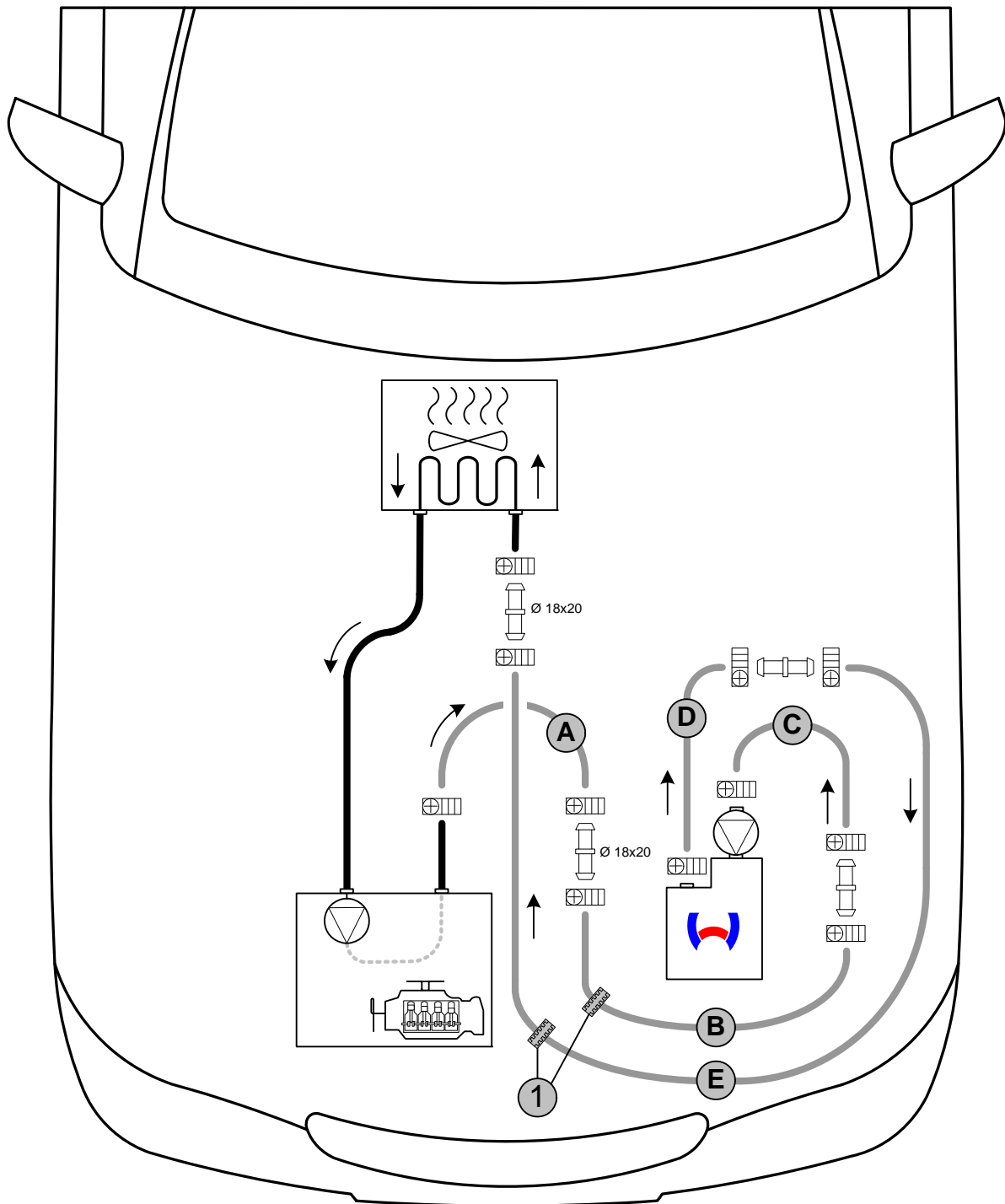
WARNING!

Tighten all hose clamps to 2.0 + 0.5 Nm.

Any coolant running off should be collected in a suitable container.


Install coolant hoses so that they are kink-free. Unless specified otherwise, always fasten using cable ties. Position hose clamps so that no other hose can be damaged!


The connection should be "inline" based on the following diagram:



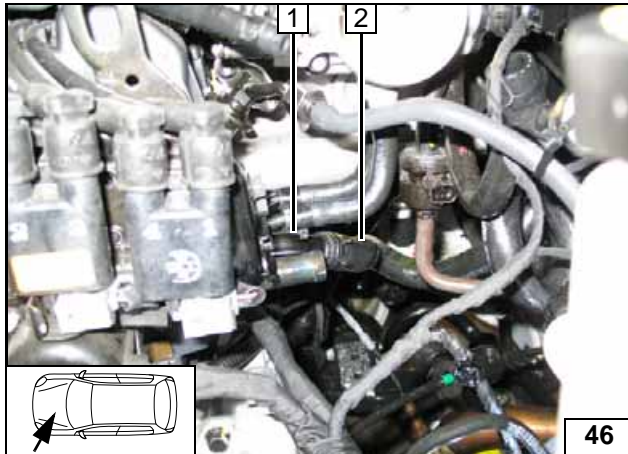
Hose installation diagram

All hose clamps  = 20-27 mm dia.

1 = Black (sw) rubber isolator  [2x]

All connecting pipes without a specific designation  = 20x20 mm.

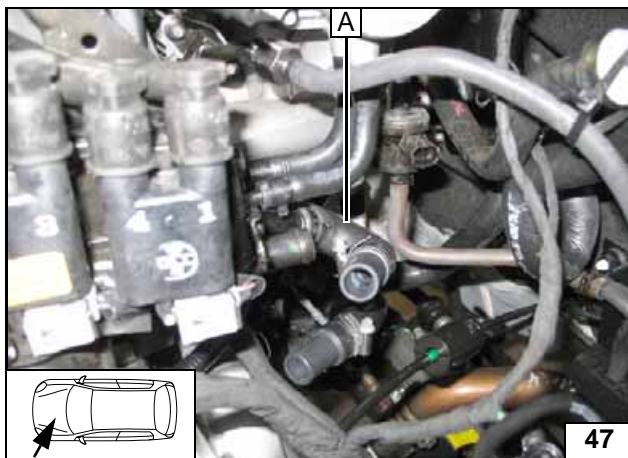




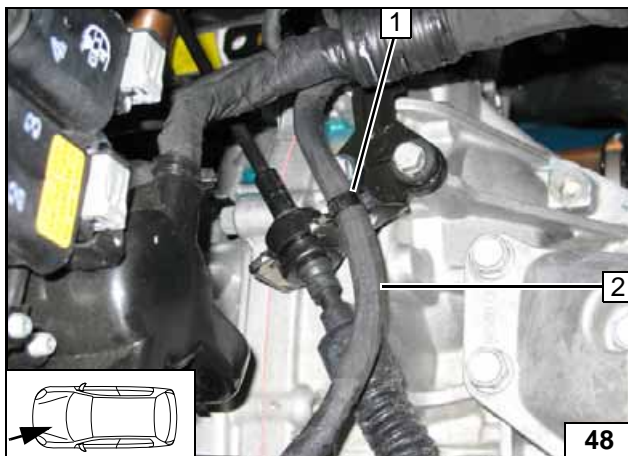
Pull original vehicle hose 2 off connection piece of engine outlet 1. Hose on engine inlet disconnected for documentation purposes!



Cutting point



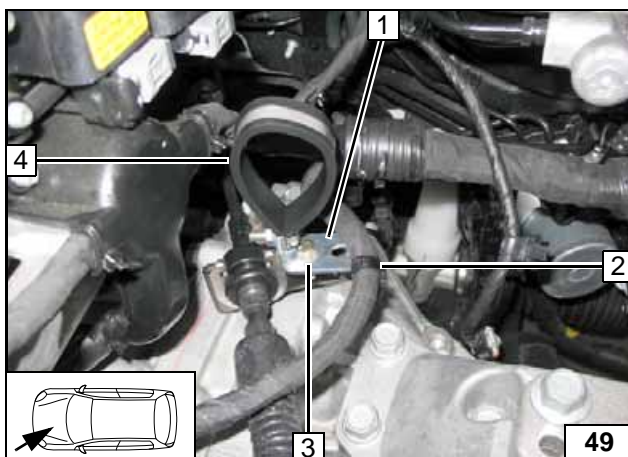
Connecting engine outlet



Remove retaining clip 1 of original vehicle wiring harness 2 from bracket



Releasing retaining clip

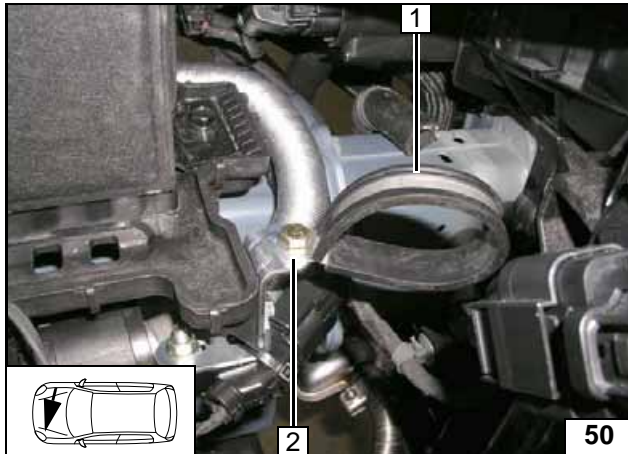


Mount retaining clip 2 of original vehicle wiring harness in oblong hole of angle bracket 1.

- 1 Angle bracket
- 3 M6x20 bolt, flanged nut
- 4 48 mm dia. rubber-coated p-clamp, M6x20 bolt on angle bracket

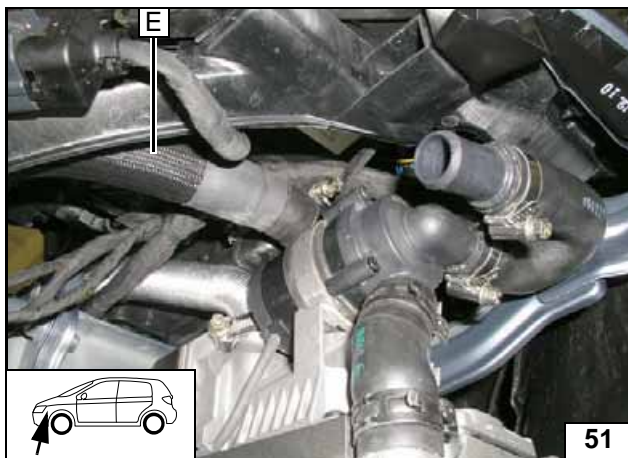


Installing p-clamp

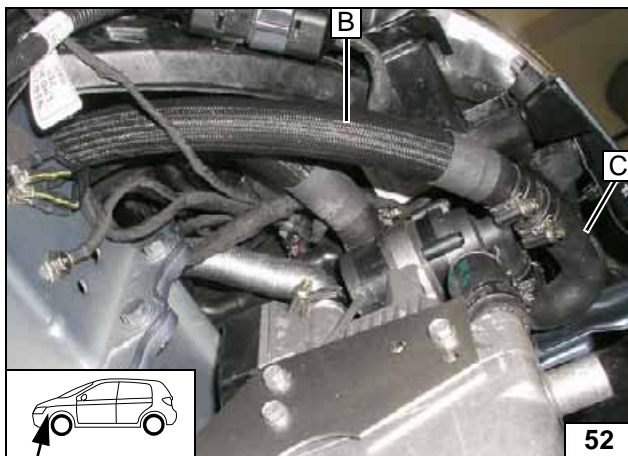


- 1 Rubber-coated pipe clamp, 48 mm dia.
- 2 M6x20 bolt, flanged nut

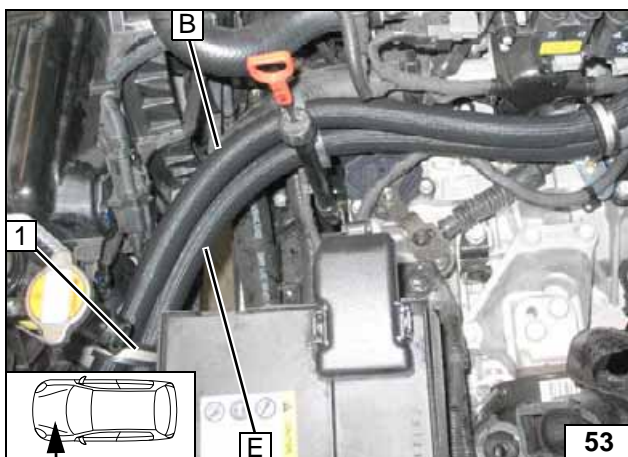
Installing p-clamp



Connect-
ing heater
outlet

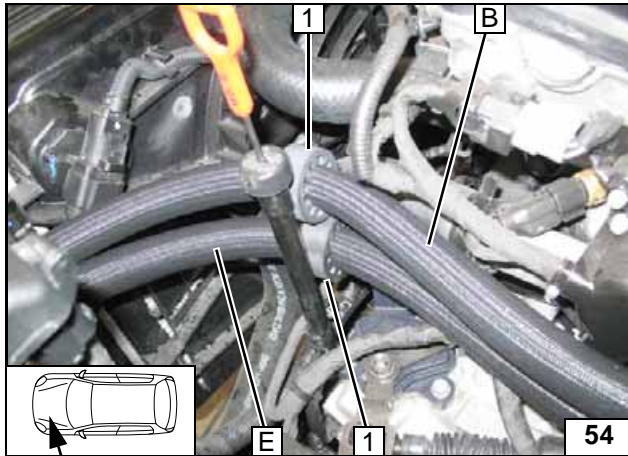


Connect-
ing heater
inlet



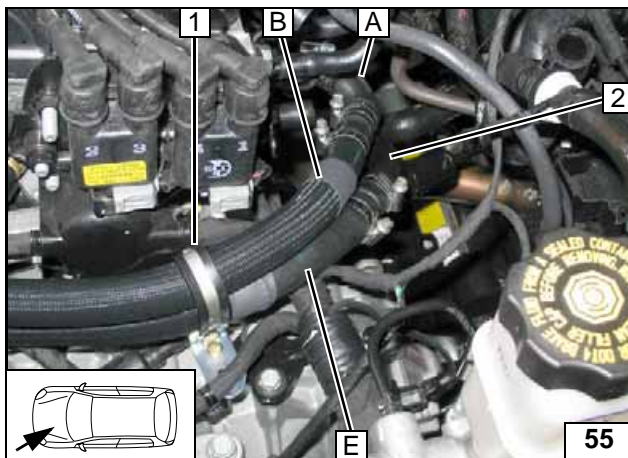
- 1 Rubber-coated pipe clamp

Routing in
engine
compart-
ment



1 Black (sw) rubber isolator [2x]

Routing in engine compartment

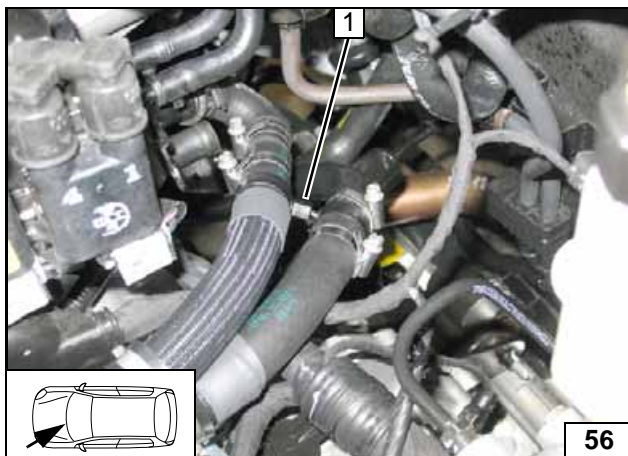


Before connecting, fill the coolant hoses with coolant.



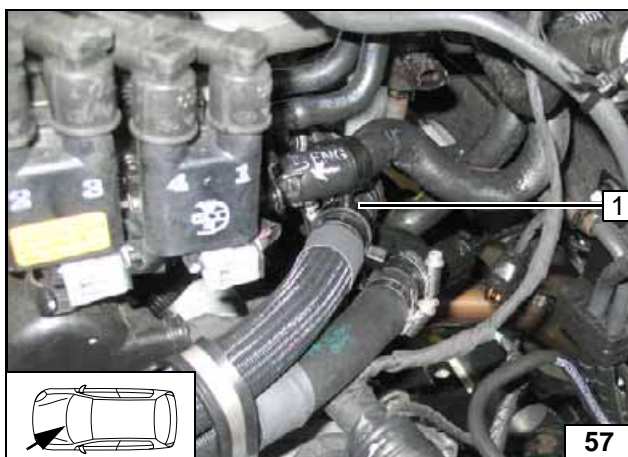
1 Rubber-coated pipe clamp
2 Hose section of heat exchanger inlet

Connection on engine outlet and heat exchanger inlet



1 Spacer bracket (lockable)

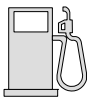
Installing spacer bracket



Ensure sufficient distance to adjacent components, correct if necessary. Install spacer 1 and align black (sw) rubber isolator [2x] (covered).



Installing spacer bracket



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 a suitable 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.



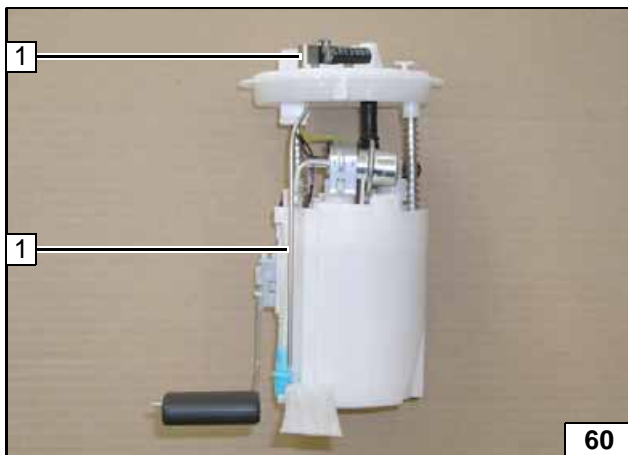
Remove and dismantle fuel-tank sending unit according to manufacturer's instructions. Mount rivet nut **2** for centring in centre of cover segment **1** and centring 5 mm centring.

Copying hole pattern



1 Drill out 6 mm dia. hole

Drilling hole in fuel-tank sending unit

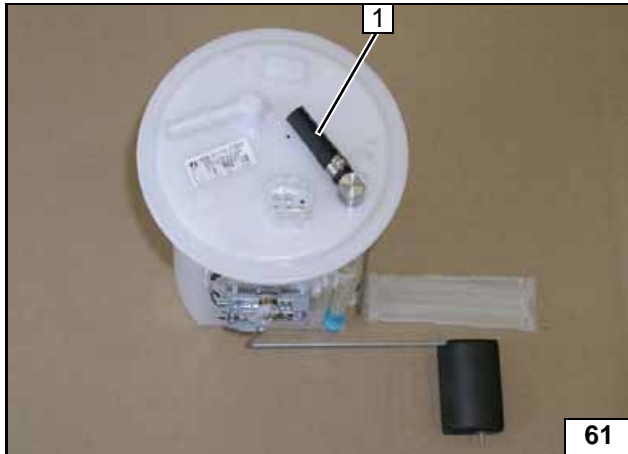


Shape fuel standpipe **1** according to template, cut to length and install, see "installation instructions".

Insert 4x 6 mm dia. washers between cover of fuel-tank sending unit and nut of fuel standpipe to adjust height.



Installing fuel standpipe



1 Hose section, 10 mm dia. Caillau clamp



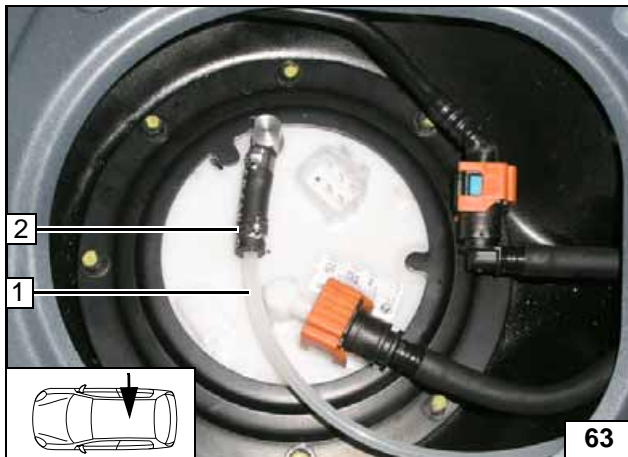
Aligning fuel stand-pipe



Cut out mounting flange 1 in area of marking



Laying on mounting flange



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

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

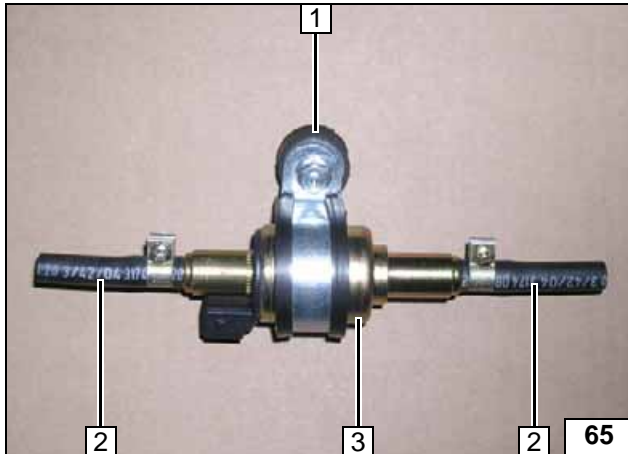
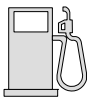


Connect-ing fuel line



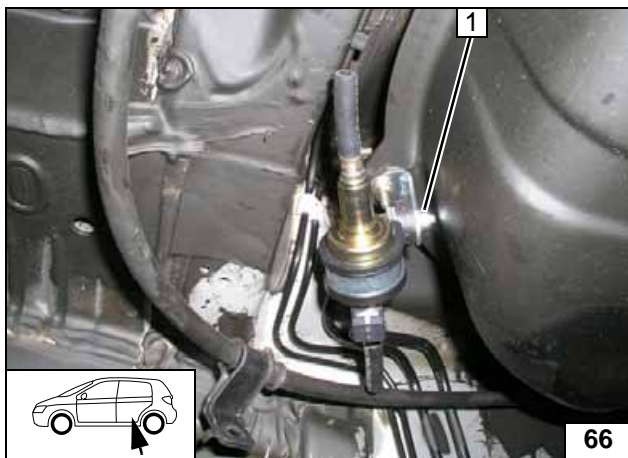
- 1 Angle bracket, M6x20 bolt, large diameter washer, flanged nut on existing hole
- 2 Fuel line from fuel standpipe

Installing angle bracket



- 1 Silent block, rubber-coated p-clamp, flanged nut
- 2 Hose section, 10 mm dia. clamp [2x each]
- 3 Metering pump

Premounting metering pump



Ensure proper installation position of metering pump, see "Installation Instructions".

- 1 M6 flanged nut on angle bracket



Mounting metering pump

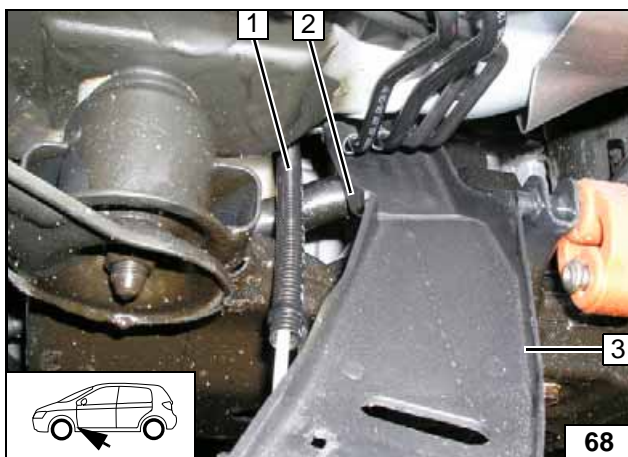


Fuel line from fuel standpipe on intake side of metering pump. Check the position of the components; adjust if necessary. Check that they have freedom of movement.

- 1 Hose section (rub protection), cable tie [2x]
- 2 10 mm dia. clamp



Connecting fuel line

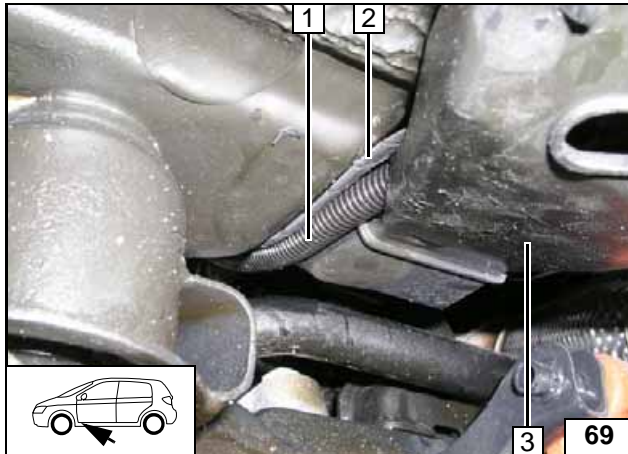


Detach line duct 3 and fold down, cut out edge at Pos. 2 for corrugated tube.

- 1 Fuel line from heater in corrugated tube

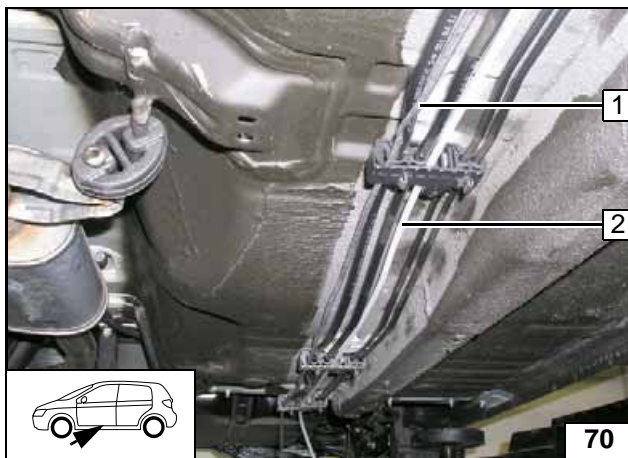


Cutting out line duct



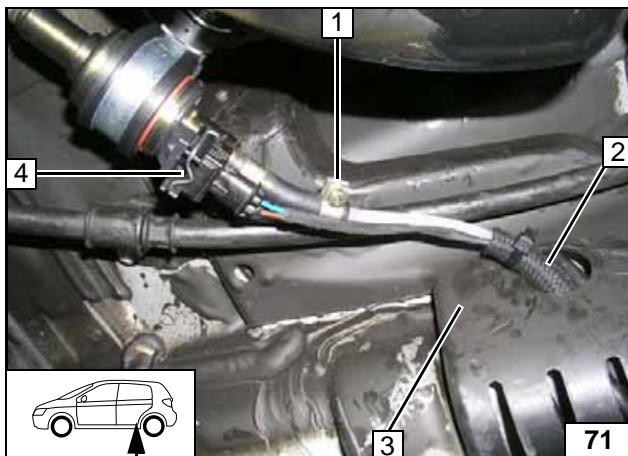
- 1 Fuel line in corrugated tube
- 2 Metering pump wiring harness
- 3 Line duct

Guiding lines into cover



- 1 Metering pump wiring harness
- 2 Fuel line

Installing lines on underbody

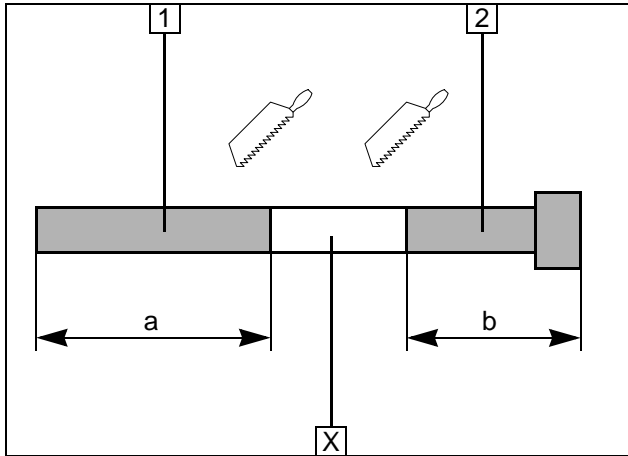
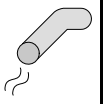


Fuel line from heater on pressure side of metering pump. Check the position of the components; adjust if necessary. Check that they have freedom of movement.



- 1 10 mm dia. clamp
- 2 Hose section (rub protection), cable tie [2x]
- 3 Installed line duct
- 4 Wiring harness of metering pump, connector mounted

Connecting to metering pump

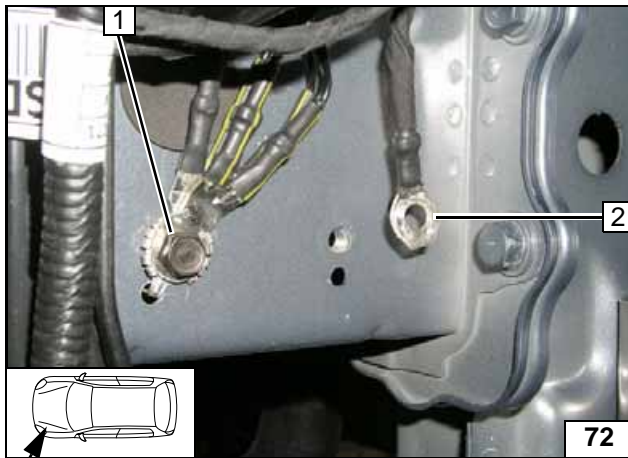


Exhaust gas

- 1 Exhaust pipe
a = 310mm
- 2 Exhaust end section
b = 175mm

Discard section X

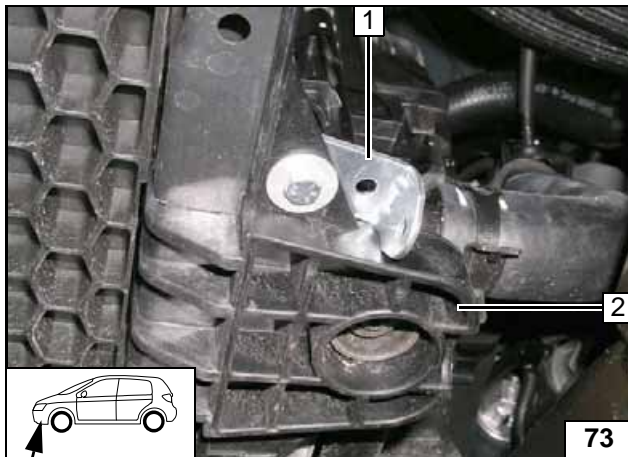
Preparing exhaust pipe



Disconnect earth cable 2 and fasten to adjacent earth point 1.

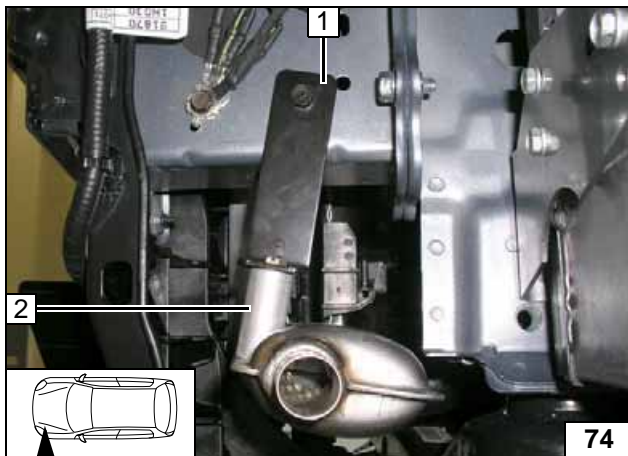


Refastening earth wire



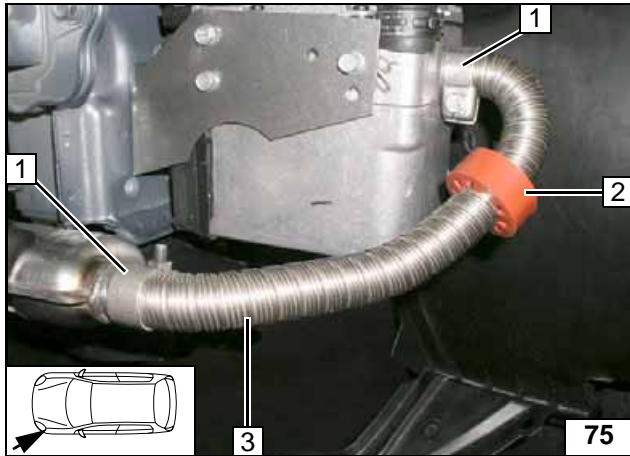
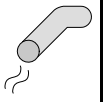
- 1 Angle bracket, M6x20 bolt, large diameter washer, flanged nut
- 2 Radiator cross member

Installing angle bracket



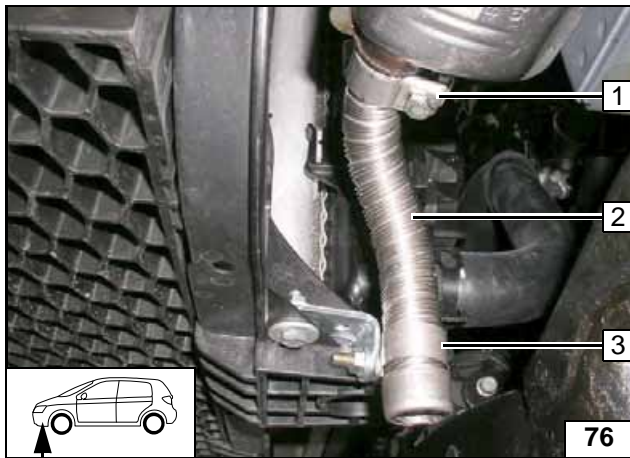
- 1 Angle bracket, original vehicle bolt
- 2 Exhaust silencer, 40 mm spacer, M6x50 bolt, flanged nut

Mounting silencer



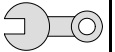
- 1 Hose clamp [2x]
- 2 Red (rt) rubber isolator
- 3 Exhaust pipe

**Installing
exhaust
pipe**



- 1 Hose clamp
- 2 Exhaust end section
- 3 P-clamp, M6x20 bolt, flanged nut on angle bracket

**Installing
exhaust
end sec-
tion**



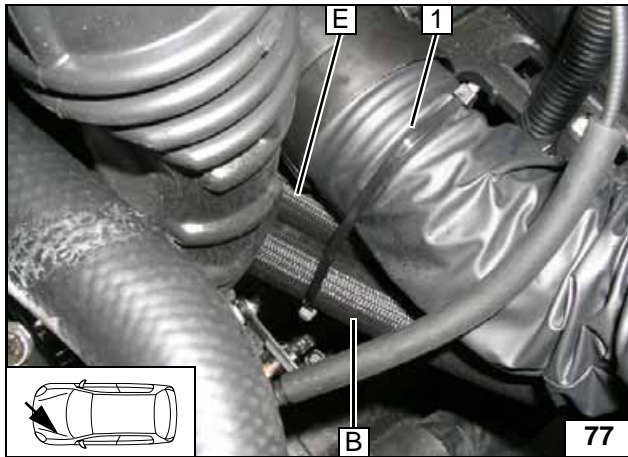
Final Work

WARNING!

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

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 the digital timer, teach telestart transmitter
- Make settings on A/C control panel according to the "Operating Instructions for End Customer".
- Place signboard "Switch off parking heater before refuelling" in the area of the filler neck
- See installation instructions for initial start-up and function test



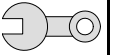
1.4 and 1.6 B

1 Cable tie

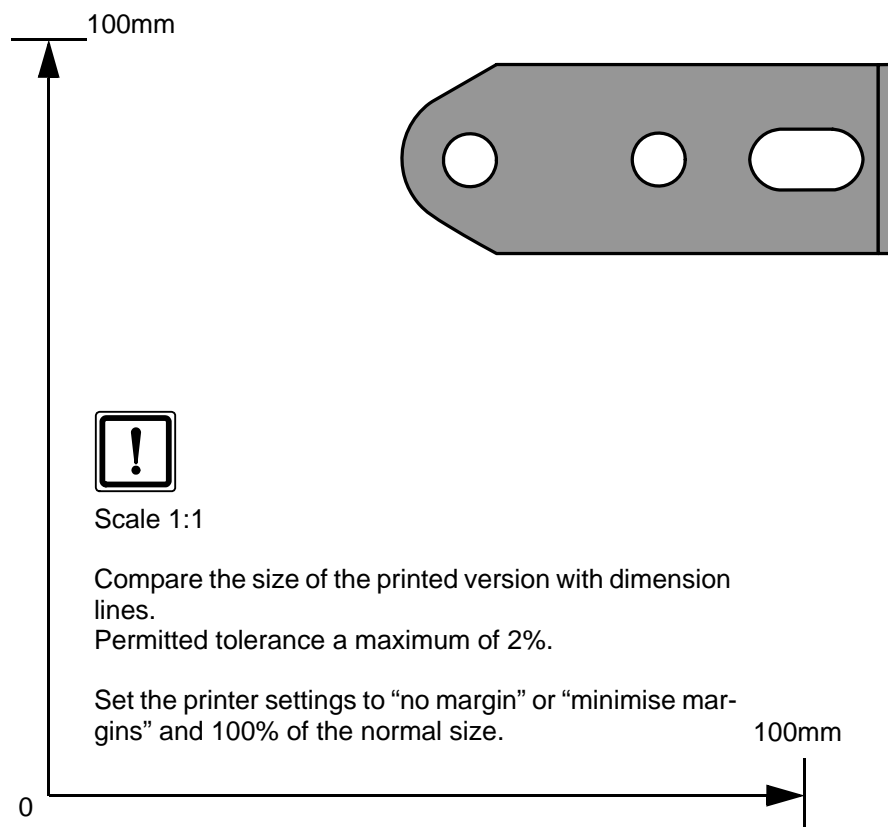
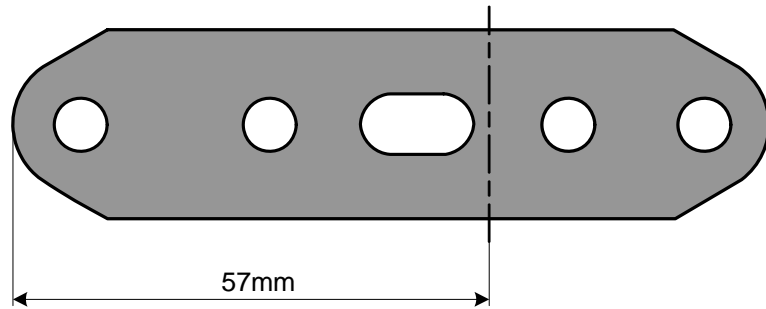
Fastening hoses

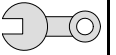
Webasto
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 National Hotline: 01805 93 22 78
 (14 Cent aus dem deutschen Festnetz)
 Hotfax: 0395 5592 353
 Hotmail: hotline@webasto.de
<http://www.webasto.de>

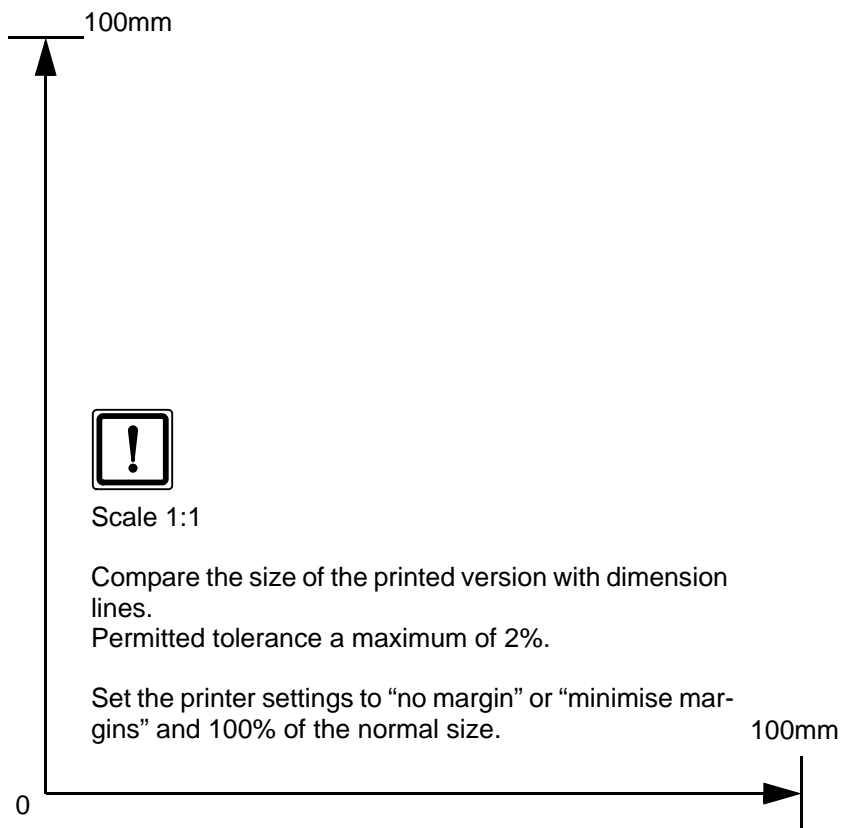


Template for Perforated Bracket





Template for fuel standpipe



Scale 1:1

Compare the size of the printed version with dimension lines.
Permitted tolerance a maximum of 2%.

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

Operating Instructions for the End Customer

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.

The passenger compartment monitoring is to be disabled for vehicles with burglar alarm. For instructions on deactivation, please refer to the operating instructions of the vehicle.

Before parking the vehicle, make the following settings:



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



- 1 Air outlet faces "upward"
- 2 Set fan to level "1", or possibly "2"
- 3 Set temperature to "HI"



Manual air conditioning

Automatic air-conditioning