

Water Heater Unit



Thermo Top E Additional Heater e1 00 0003

Thermo Top C Additional Heater e1 00 0002

Thermo Top P Additional Heater e1 00 0104

Installation Instructions

Skoda Octavia

1.4 MPI / 1.6 FSI / 1.8 TFSI

from Model Year 2004

Left-hand drive vehicle



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.

Table of Contents

Validity	2	Preparing combustion air	14
Heater Unit/Installation Kit	3	Premounting exhaust system	15
Foreword	3	Preparing installation location	16
General Instructions	3	Installing heater unit	16
Special Tools	3	Fuel	18
Explanatory Notes on Document	4	Coolant on 1.4 MPI	21
Preliminary Work	5	Coolant on 1.6 FSI	25
Heater unit installation location	5	Coolant on 1.8 TFSI	29
Electrical system	6	Exhaust gas	34
Installing K3 relay and fuse holder	7	Final Work	35
Climatic fan controller	8	Operating Instructions for End Customer	36
Climatronic fan controller	10		
Remote option (Telestart)	13		

Validity

Manufacturer	Model	Type	EG-BE No./ABE
Skoda	Octavia	1Z	e1 * 2001/116 * 0230 * ...

Engine type	Engine model	Output in kW	Displacement in cm ³
BCA	Gasoline	55	1390
BLF	Gasoline	85	1595
BZB	Gasoline	118	1798

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 a digital timer and summer/winter switch should be confirmed with the end customer before installation.

Heater Unit/Installation Kit

Quantity	Description	Order No.:
1	Retail accessories with desired heater control	See price list
1	Installation Kit for Skoda Octavia 1.4 MPI/1.6 FSI	9014069A

In addition to the installation kit for the 1.4 MPI/1.6 FSI, the following will also be required for the 1.8 TFSI:

Quantity	Description	Order No.:
1	Installation Kit for Skoda Octavia 1.8 TFSI	1313266A

Also required with Climatronic:

Quantity	Description	Order No.:
1	Climatronic kit	9013645A

Heater unit recommended for the respective vehicle class:

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

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



Foreword

These installation instructions apply to Skoda Octavia 1.4 MPI / 1.6 FSI / 1.8 TFSI vehicles - for validity, see page 2 - from model year 2004 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, the stipulations in the "installation instructions" and "operating and maintenance instructions" for the *Thermo Top C/P/E* must always be observed.

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

General Instructions

Installation should be carried out according to the general, standard rules of technology. Unless specified otherwise, fasten hoses, lines and wiring harnesses to original vehicle lines and wiring harnesses using cable ties.

Sharp edges 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).

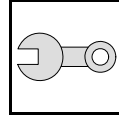
Special Tools

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

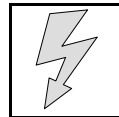
Explanatory Notes on Document

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.

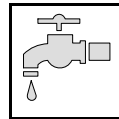
Mechanical system



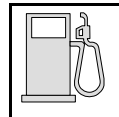
Electrical system



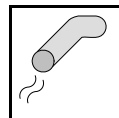
Coolant



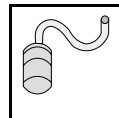
Fuel



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.

All dimensions are in mm!

Tightening torque of hose clamps = 2.0 + 0.5 Nm!

Tightening torque of Eجت screws, Eجت studs = 10 Nm!

Preliminary Work

WARNING!

- Open fuel tank cap, ventilate tank.
- Close the tank cap again.
- 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.
- Disconnect and remove the battery.
- Remove the battery carrier.
- Remove the engine cover.
- Remove the left front wheel.
- Remove the front section of the left front wheel well trim.
- Remove the left-hand front fog light or, on vehicles without front fog lights, the left-hand cover.
- Remove the underride protection.
- Remove the right-hand underbody trim.
- Remove the rear bench seat
- Open the right-hand fuel sender service lid.
- Remove the footwell trim on the driver's side.
- Remove the lower instrument panel trim on the driver's side
- Remove the footwell trim on the front passenger side (only on vehicles with Climatronic)

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



Heater unit installation location

1 Heater unit

Installation location



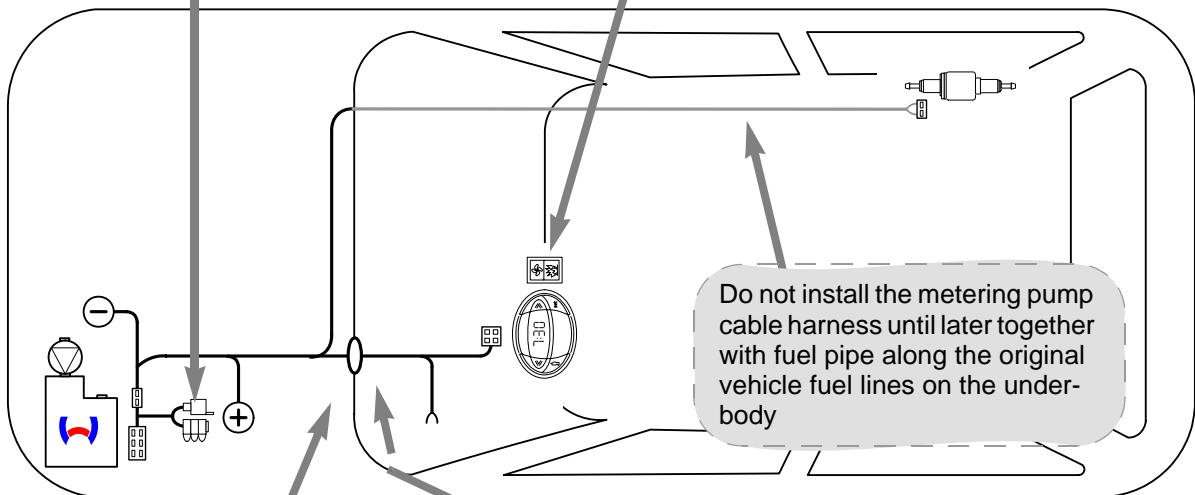
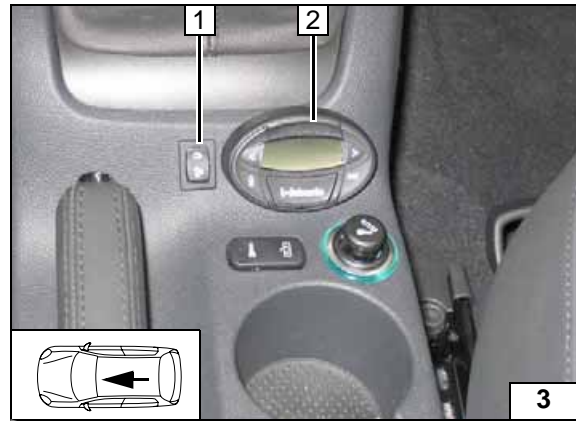
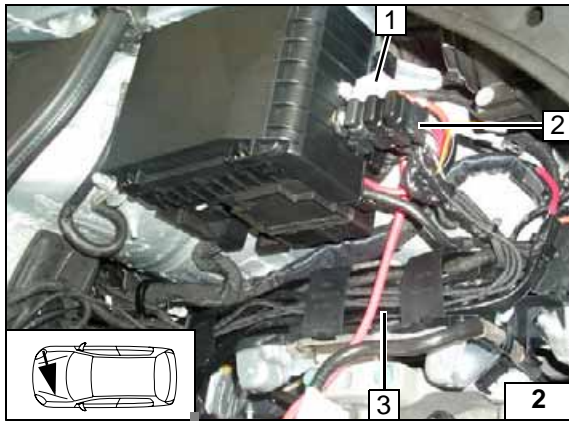
Electrical system

Fuse holder, relay K3

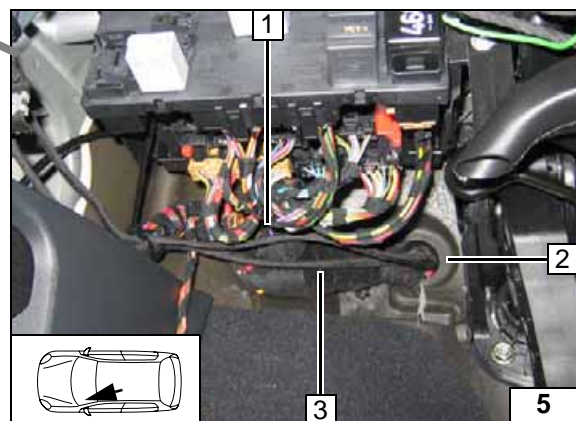
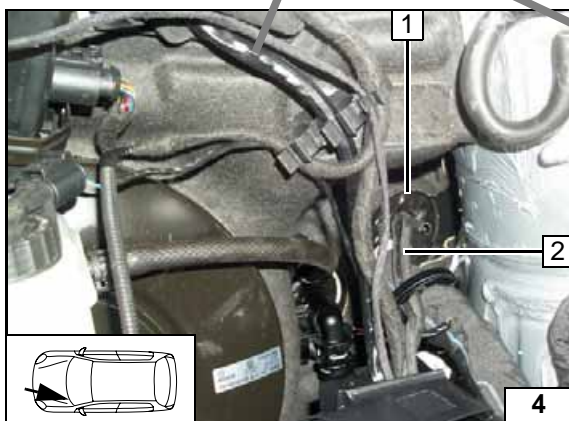
Route wiring harnesses of fan controller, digital timer and metering pump **3** in cable duct to fire-wall. Information on installing K3 relay **1** and fuse holder **2** on following page.

Digital timer and summer/winter switch option

- 1 Summer/winter switch, drilled hole 12 mm dia.
- 2 Digital timer



Wiring harness installation diagram

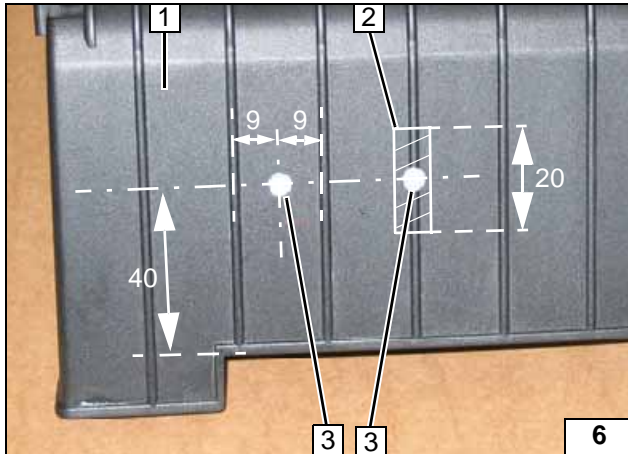


Wiring harness pass through in engine compartment

- 1 Protective rubber plug
- 2 Wiring harness of fan controller and digital timer

Wiring harness pass through of passenger compartment

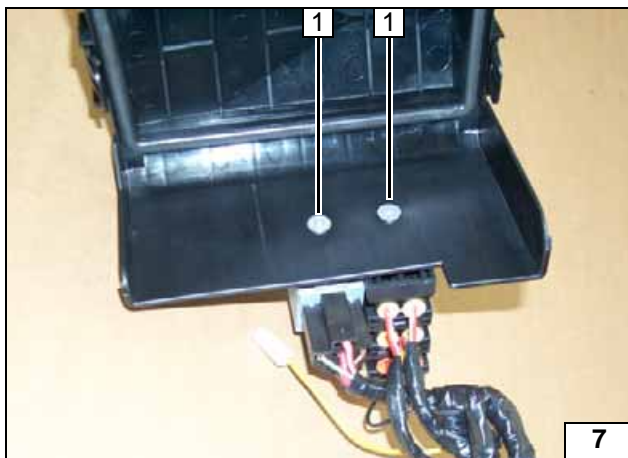
- 1 Wiring harness of fan controller
- 2 Protective rubber plug
- 3 Wiring harness of digital timer



Installing K3 relay and fuse holder

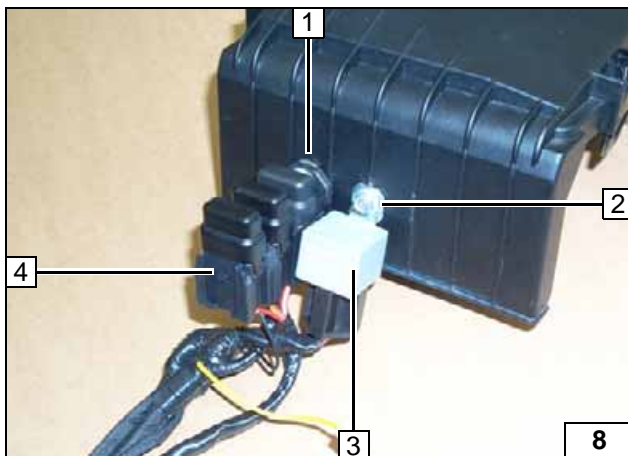
- 1 Cover of fuse/relay carrier in engine compartment
- 2 Cut away bar in shaded area
- 3 Countersink 5 mm dia. hole [2x] from behind

Preparing fuse and relay carrier



- 1 M5x12 countersunk head screw [2x]

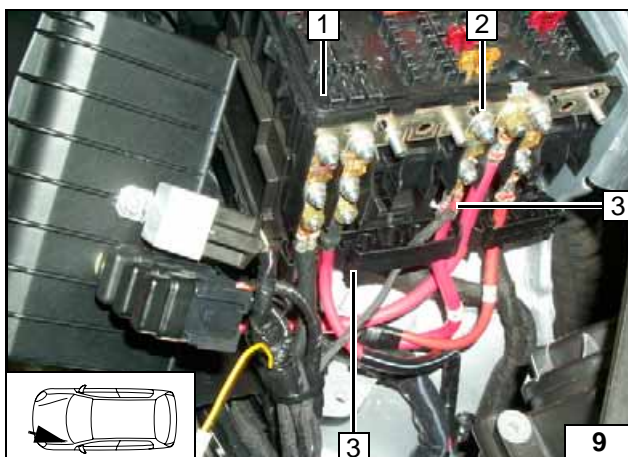
Installing fuse and relay carrier



With Climatronic, replace F3 25 A fuse with 3 A fuse!
Insert 5 mm dia. large diameter washer between cover and retaining plate of fuse holder.

- 1 Large diameter washer, retaining plate of fuse holder, M5 flanged nut
- 2 M5 flanged nut
- 3 Relay K3
- 4 Fuse holder

Installing fuse and relay carrier



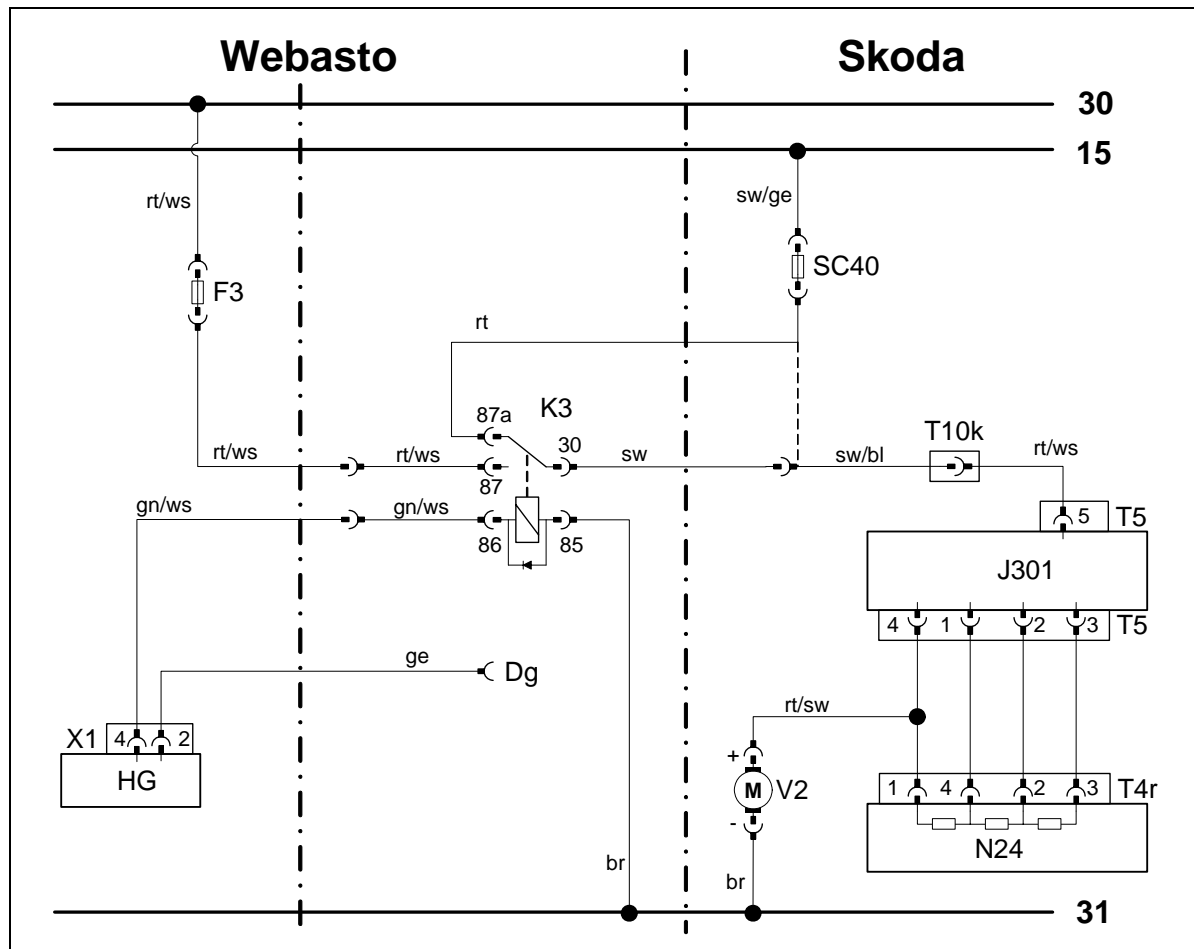
Route brown (br) ground wire to original vehicle ground support point below headlight and connect.

- 1 Fuse/relay carrier
- 2 Original vehicle positive support point
- 3 Red (rt) positive wire

Connecting positive and ground wire



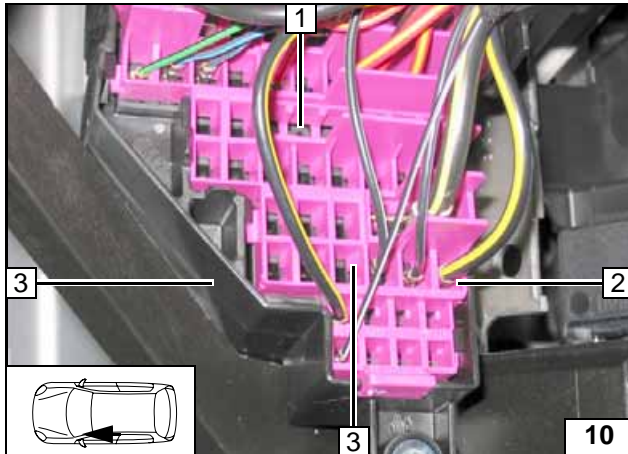
Climatic fan controller



Wiring diagram

Webasto components		Vehicle components		Colors and symbols	
HG	Heater unit TT-C/E	SC40	40 A fan fuse	rt	red
X1	6-pin heater unit connector	J301	Air-conditioning control unit	ws	white
F3	25 A fuse	E16	Heater switch	sw	black
K3	Fan relay	N24	Resistor group	br	brown
		V2	Fan motor	gn	green
		T...	Connector	ge	yellow
				X	Cutting point
				Wiring colors may vary.	

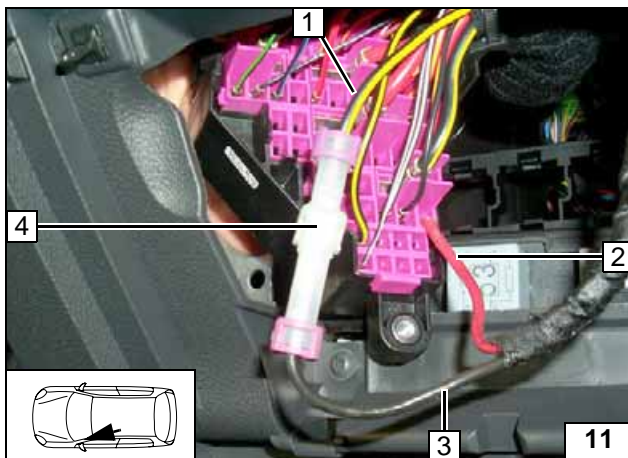
Legend



Detach original vehicle fuse carrier **3** [instrument panel at upper left] and unlock contact lock **1**.
Detach black/yellow (sw/ge) wire, 4 mm² **2** on fuse output SC40.



**Connect-
ing central
electrical
box**



Produce connections as shown in wiring diagram.
Lock contact lock following installation!

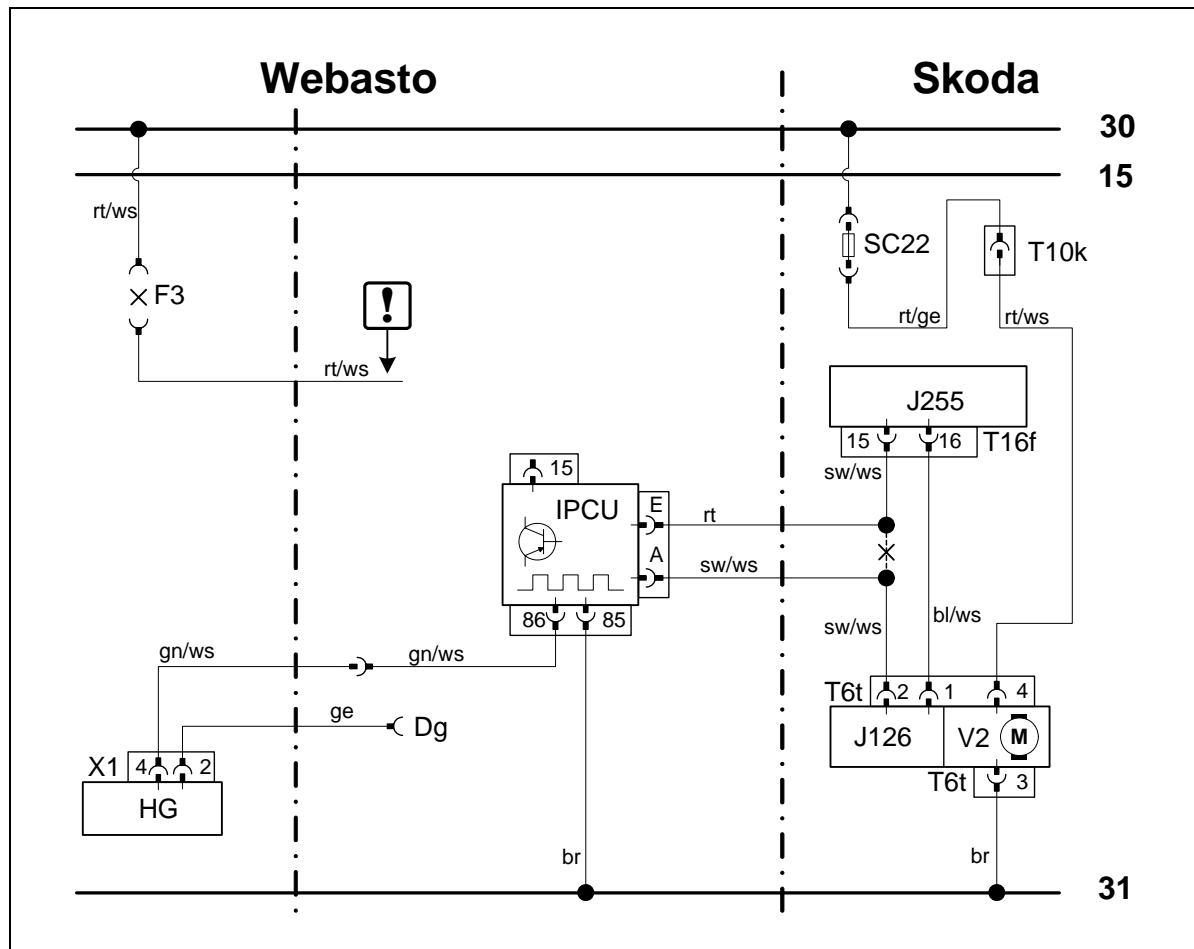


**Connect-
ing central
electrical
box**

- 1** Black/yellow (sw/ge) wire with original standard power timer
- 2** Insert red (rt) wire from K3/87a with crimped-on standard power timer in fuse output SC40
- 3** Black (sw) wire K3/30 with crimped-on tab connector
- 4** AMP connector



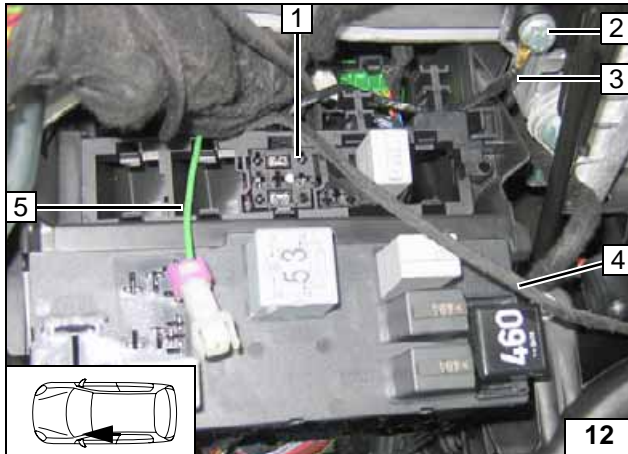
Climatronic fan controller



Wiring diagram

Webasto components		Vehicle components		Colors and symbols	
HG	Heater unit TT-C/E	SC22	Fan fuse	rt	red
X1	6-pin heater unit connector	J255	Air-conditioning control unit	ws	white
F3	25 A replaced with 3 A fuse	V2	Fan motor	sw	black
K3	Fan relay	J126	Fan control unit	br	brown
IPCU	Pulse width modulator	T...	Plug connections	ge	yellow
				gn	green
				bl	blue
IPCU adjustment values:					
Duty cycle: 30 %					
Frequency: 400 Hz					
Voltage: 8 V					
Function: High-side					
				!	Insulate wire ends and tie back
					X
				Wiring colors may vary.	

Legend

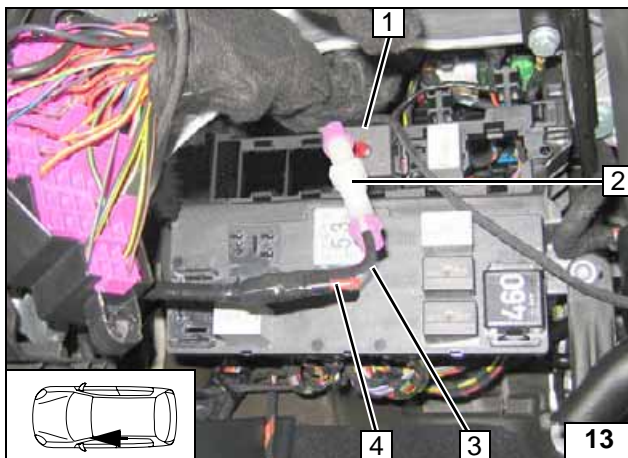


Produce connections as shown in wiring diagram.
Position of free sockets dependent on vehicle equipment.

- 1 Socket for IPCU
- 2 Original vehicle M6 bolt
- 3 Brown (br) wire of IPCU/85
- 4 Wiring harness with red (rt) wire of IPCU/E and black/white (sw/ws) wire of IPCU/A
- 5 Green/white (gn/ws) wire of IPCU/86, AMP housing



**Connect-
ing central
electrical
box**

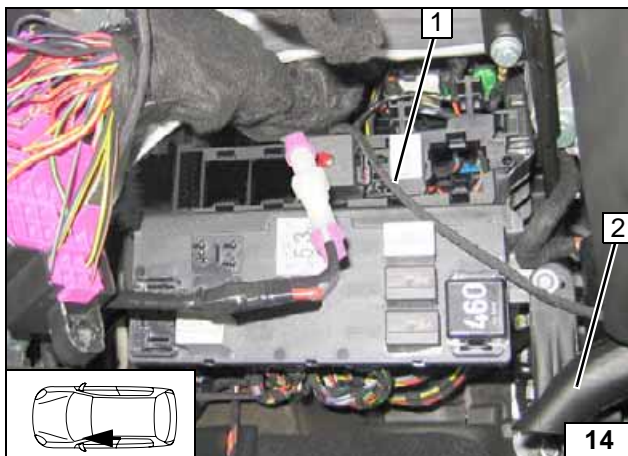


Produce connections as shown in wiring diagram. Insulate red (rt) wire of K3/87a 4 and tie back.
Insert IPCU 1 in socket.

- 2 AMP connector
- 3 Black (sw) wire from K3/30



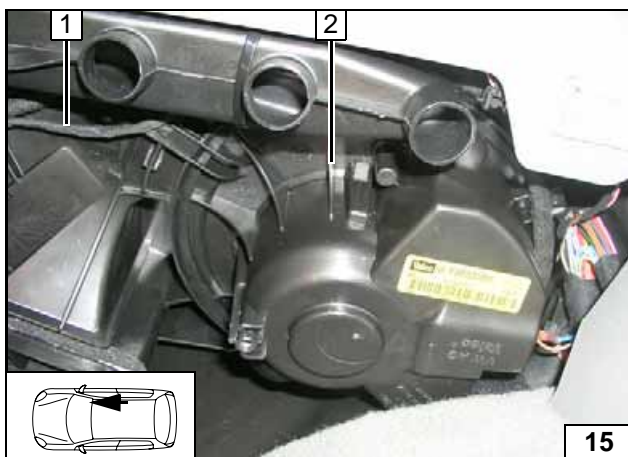
**Connect-
ing central
electrical
box**



Route wiring harness IPCU 1 along air duct 2 to center console.



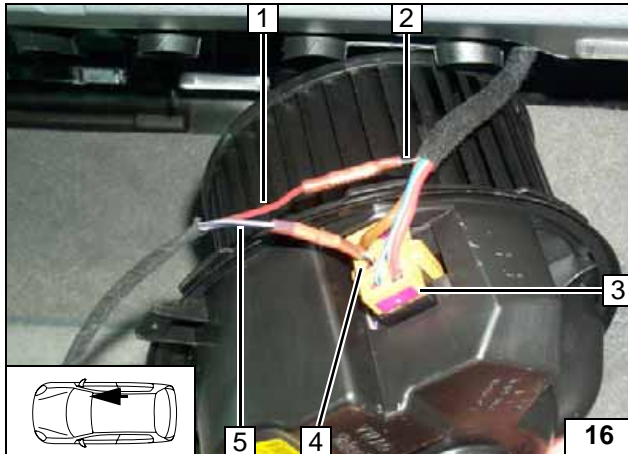
**Routing
wiring har-
ness of
IPCU**



Route wiring harness of IPCU 1 to original vehicle wires to fan unit 2.



**Routing
wiring har-
ness of
IPCU**



Connection on connector T6t 3 of fan unit. Produce connections as shown in wiring diagram. Disconnect fan unit.

- 1 Red (rt) wire of IPCU/E
- 2 Black/white (sw/ws) wire of A/C control unit
- 5 Black/white (sw/ws) wire from IPCU/A
- 4 Black/white (sw/ws) wire of connector T6t/2



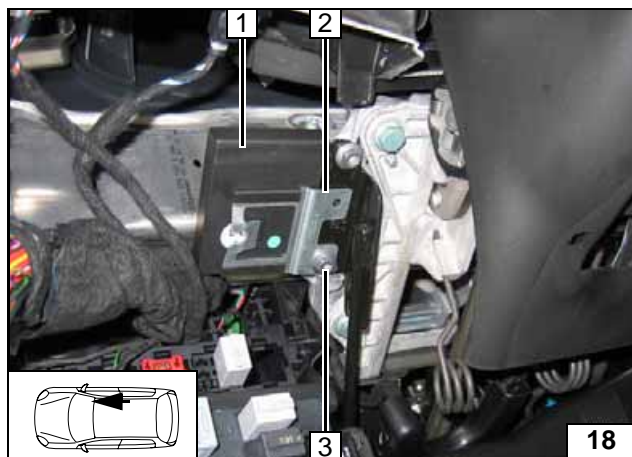
**Connect-
ing fan unit**



Fasten fan unit again. Fasten wiring harness 1 on original vehicle wires with cable tie.



**Fastening
wiring har-
ness**

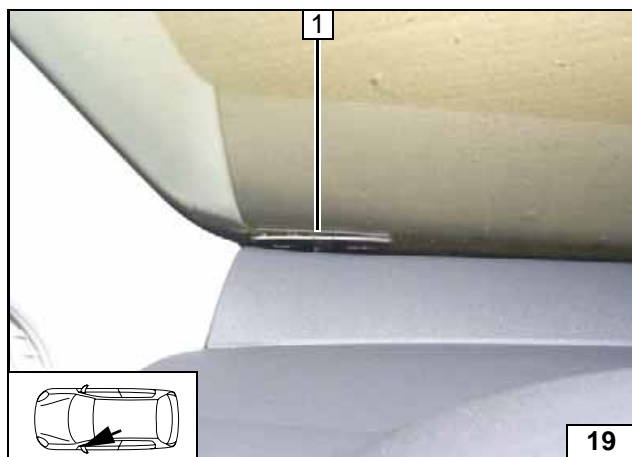


Remote option (Telestart)

If M6 screw **3** is not present, then use suitable M6 screw with spring lockwasher.

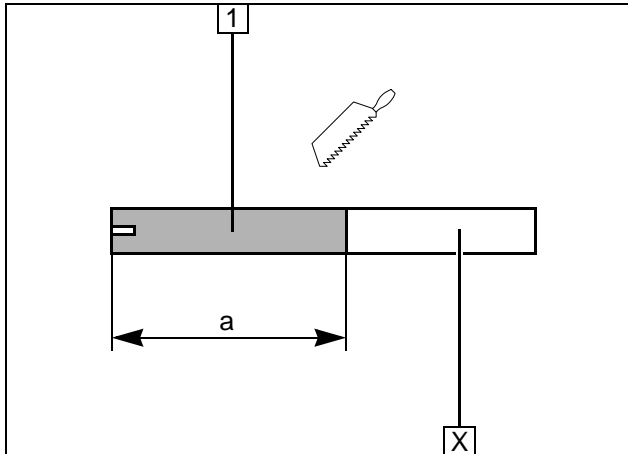
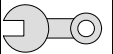
- 1** Receiver
- 2** Bracket, lower hole drilled out to 6.5 mm dia.

Installing receiver



- 1** Antenna

Installing antenna

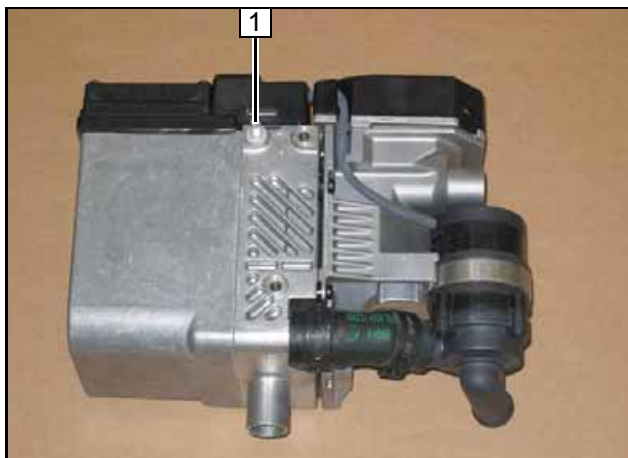


Preparing combustion air

- 1 Combustion air pipe
a = 250

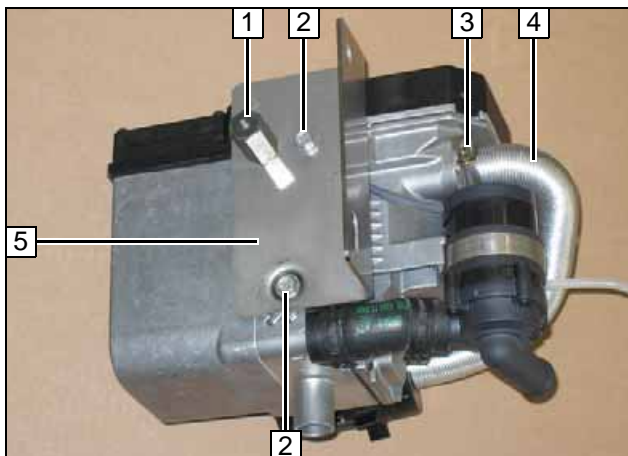
Discard section X

Cutting combustion air pipe to length



- 1 E-jot stud

Preparing heater unit

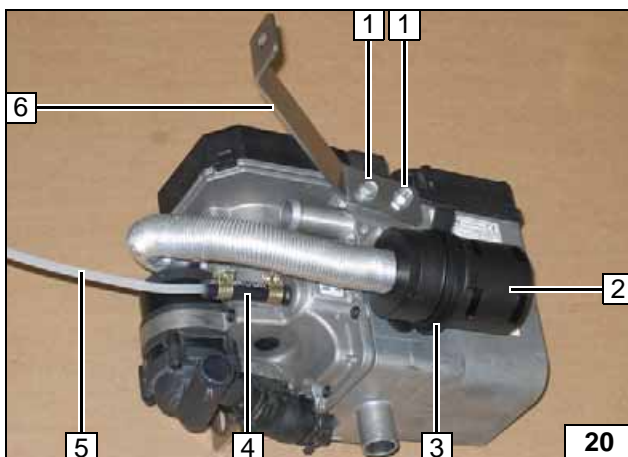


Insert one washer each between heater unit and bracket 5 at positions 2.



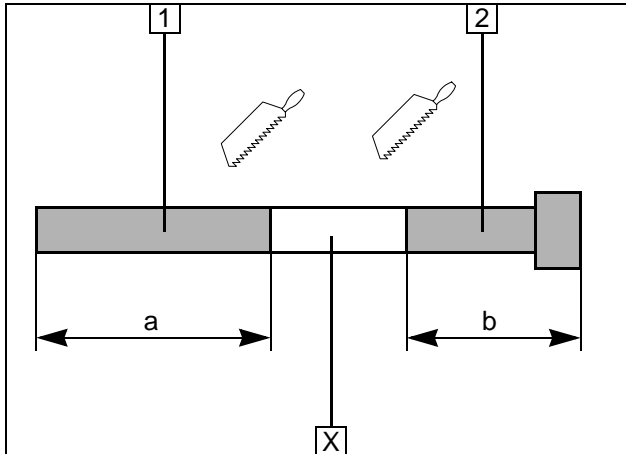
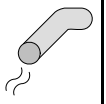
- 1 M6x30 spacer nut on E-jot stud
- 2 E-jot screw, washer [2x each]
- 3 27 mm dia. clamp
- 4 Combustion air pipe

Preparing heater unit



- 1 E-jot screw [2x]
- 2 Combustion air muffler
- 3 Retaining clip in hole of heater unit
- 4 Hose section, 10 mm dia. clamp [2x]
- 5 Fuel line
- 6 Strut

Preparing heater unit

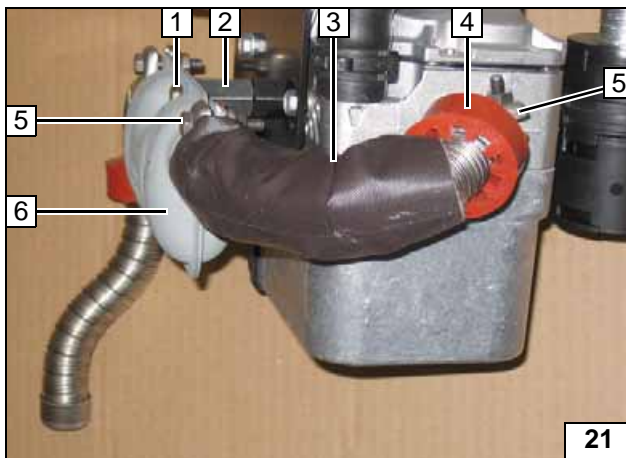


Premounting exhaust system

- 1 Exhaust pipe
a = 190
- 2 Exhaust end section
b = 240

Discard section X

Preparing exhaust pipe

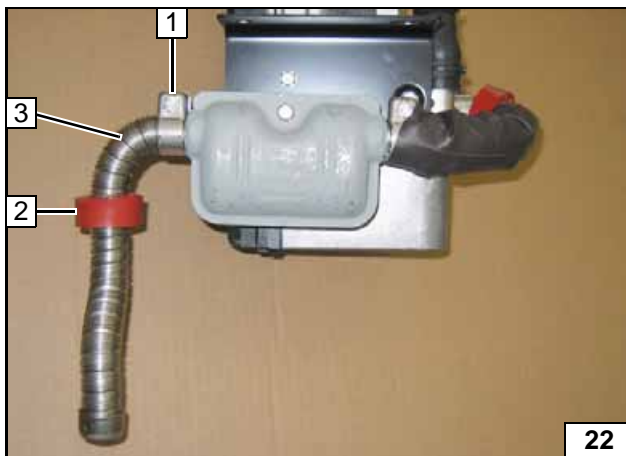


Slide insulation 3 onto exhaust pipe.



- 1 M6x16 bolt, spring lockwasher
- 2 Premounted M6x30 spacer nut
- 3 Exhaust pipe with insulation
- 4 Red (rt) rubber isolator
- 5 Hose clamp [2x]
- 6 Exhaust muffler

Preassembling exhaust pipe



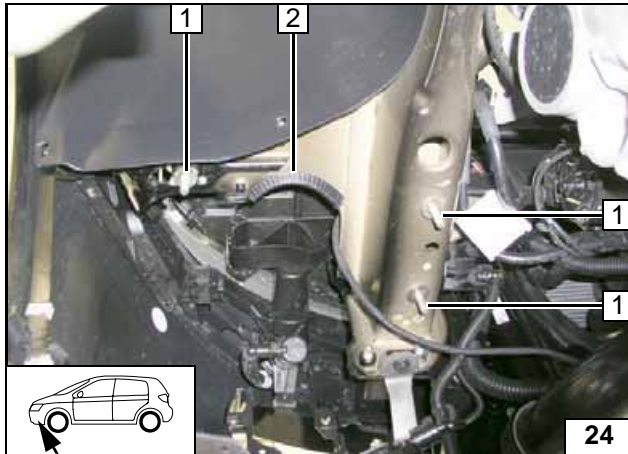
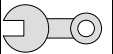
- 1 Hose clamp
- 2 Red (rt) rubber isolator
- 3 Exhaust end section

Preassembling exhaust end section



- 1 Exhaust end section

Aligning exhaust end section



Preparing installation location

Slide one large diameter washer 1 each onto original vehicle stud bolt [3x] and secure against falling off with putty etc.

- 2 Edge protection

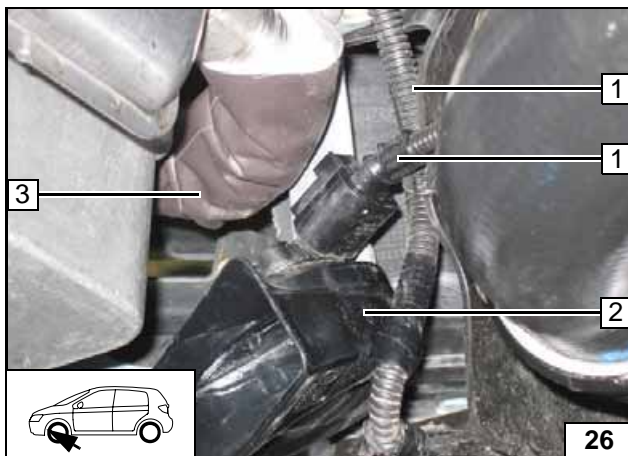
Installing edge protection



Installing heater unit

- 1 Large diameter washer, M8 flanged nut [3x each]

Installing heater unit

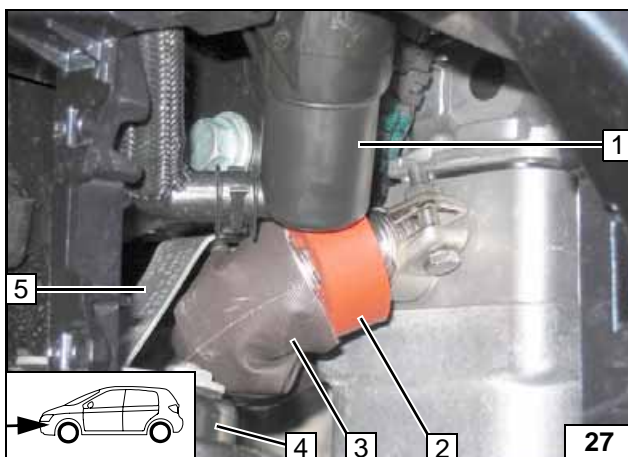


Ensure freedom of movement of exhaust system relative to adjacent components and lines.

- 1 Original vehicle wiring harnesses (secured with cable ties)
- 2 Horn
- 3 Exhaust pipe with insulation



Aligning exhaust system



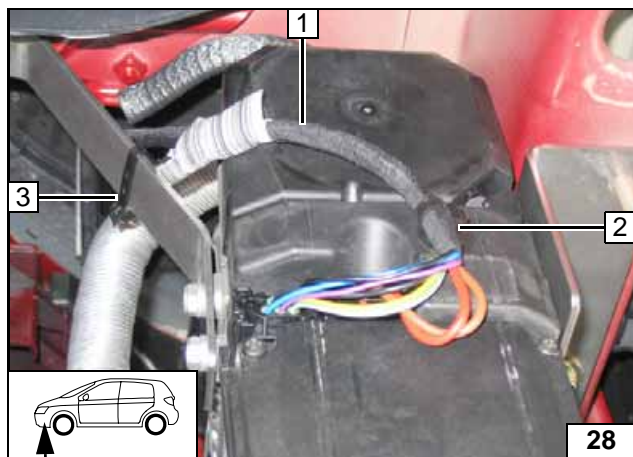
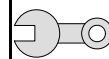
Ensure freedom of movement of exhaust system relative to adjacent components and lines.

Position red (rt) rubber isolator 2 as shown. Picture shows vehicle with headlight washer system.

- 1 Headlight washer system
- 3 Exhaust pipe with insulation
- 4 Horn
- 5 Horn bracket



Aligning exhaust system



Punch through perforation in heater unit lid at position **2**.

- 1 Wiring harness of heater unit
- 2 Clip-type cable tie
- 3 Cable tie



Connect wiring harness of heater unit



Fuel

CAUTION!

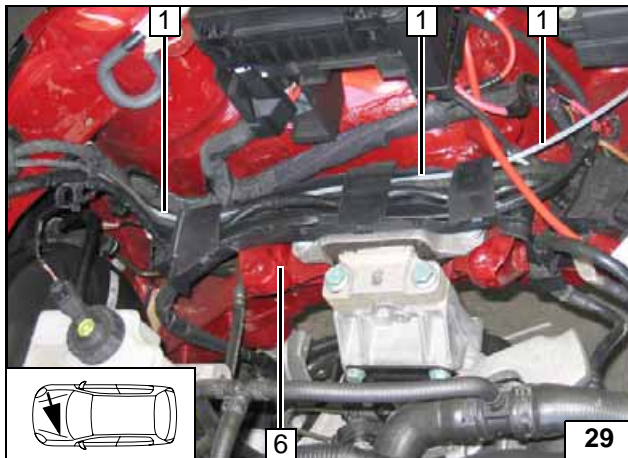
Open the vehicle's fuel tank cap, ventilate the tank and then re-close the tank lock.

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.

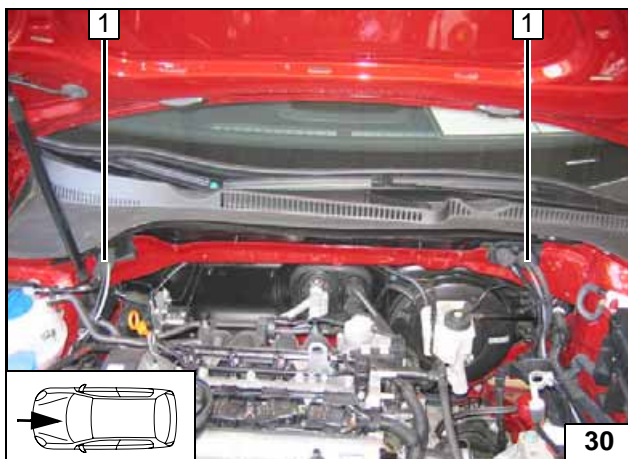
WARNING!

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



1 Fuel line

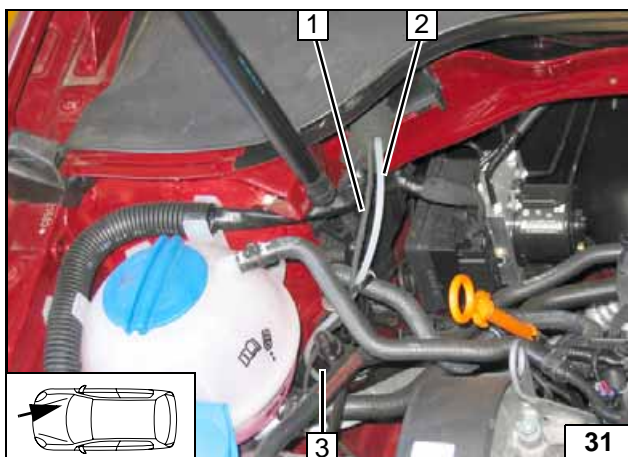
Installing fuel line



Fasten fuel line and wiring harness of metering pump 1 in coolant reservoir on original vehicle lines with cable ties. Pay particular attention to freedom of movement of wiper linkage.



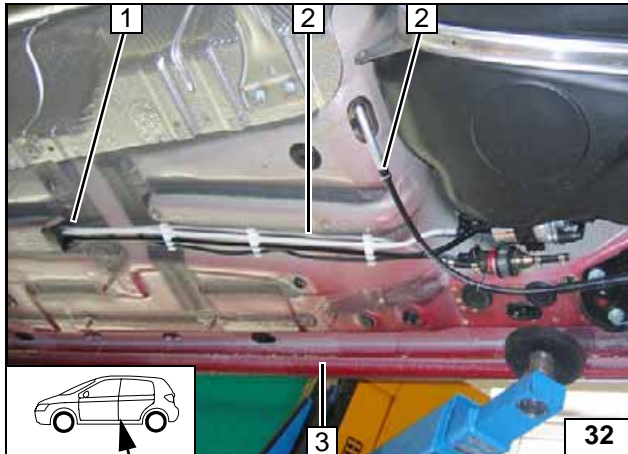
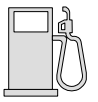
Installing lines



Guide fuel line 2 and wiring harness of metering 3 into original vehicle line duct 3 and route to underbody.



Installing lines

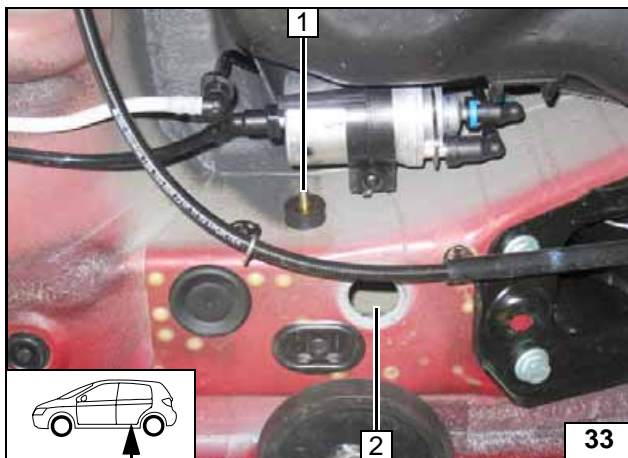


Route fuel line and wiring harness of metering pump along original vehicle fuel lines 2 to fuel tank.

1 Line duct



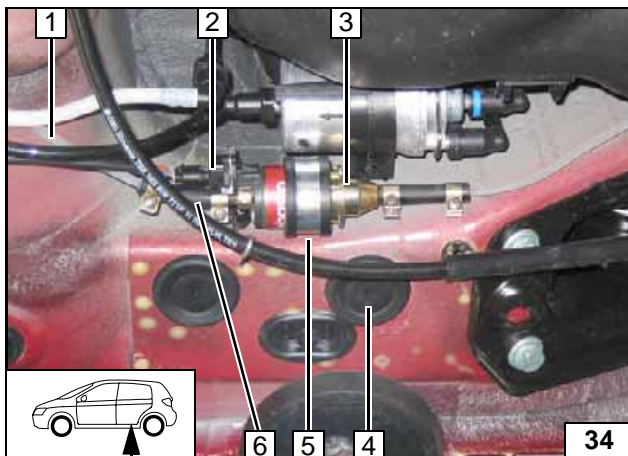
Installing lines



1 Silent block, large diameter washer, M6 flanged nut

2 Remove sealing plug

Installing silent block



1 Fuel line

2 Wiring harness of metering pump, connector mounted

3 Metering pump

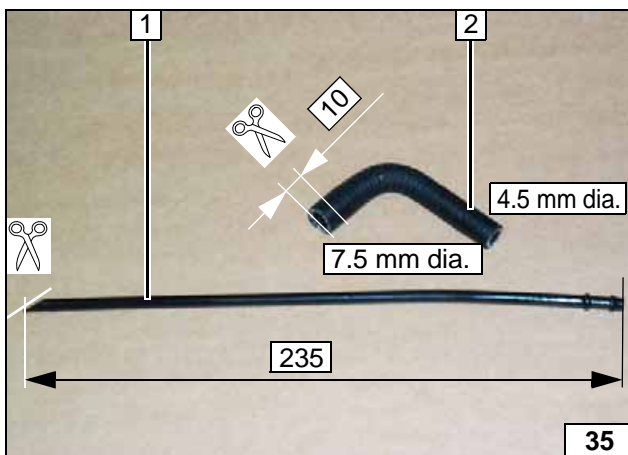
4 Plug remounted

5 Rubber-coated p-clamp, flanged nut on silent block

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



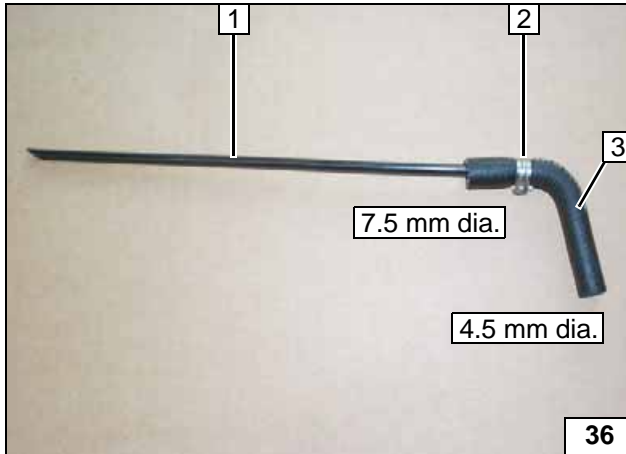
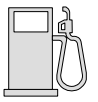
Installing metering pump



Cut standpipe 1 and 90° molded hose 2 to length.



Removing fuel

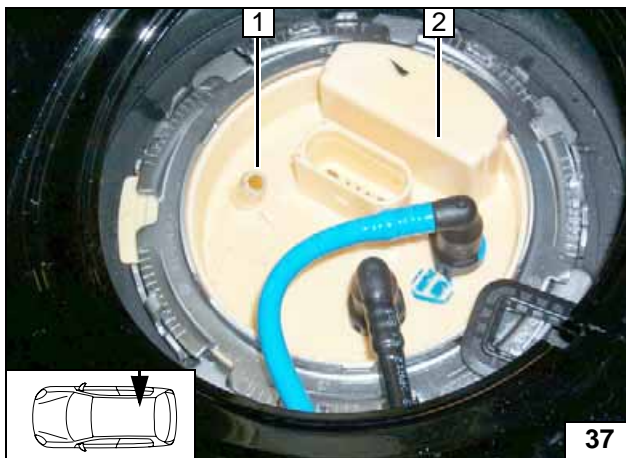


10 mm dia. Caillau clamp **2** in center between beads on end of standpipe.

- 1 Standpipe
- 3 90° molded hose



Premounting fuel standpipe

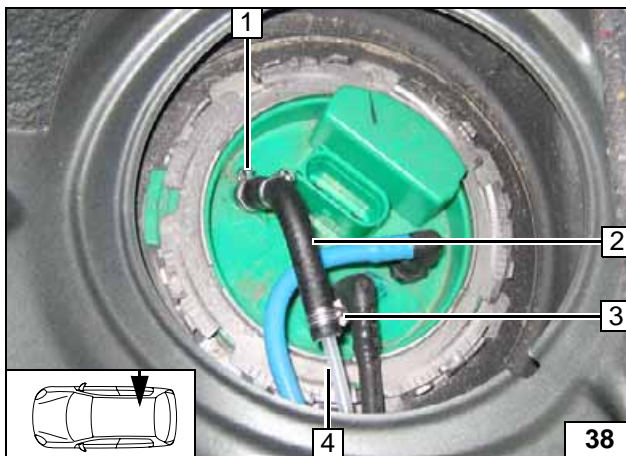


Cut 3 mm off blind plug **1**.

- 2 Fuel-tank sending unit



Cutting off blind plug

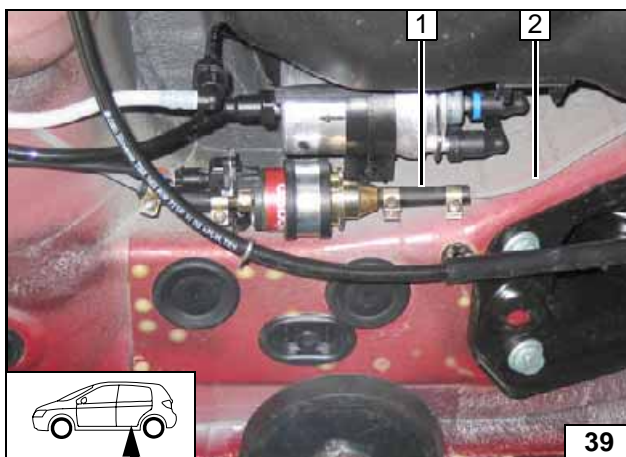


Should the standpipe be slightly curved on delivery, then it must be aligned so that the end points toward the rear right. Otherwise there is a danger of the fuel gauge being impaired.

- 1 13.5 mm dia. Caillau clamp
- 2 Preassembled molded hose with standpipe
- 3 10 mm dia. Caillau clamp
- 4 Fuel line

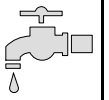


Connection to fuel-tank sending unit



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

Connecting metering pump

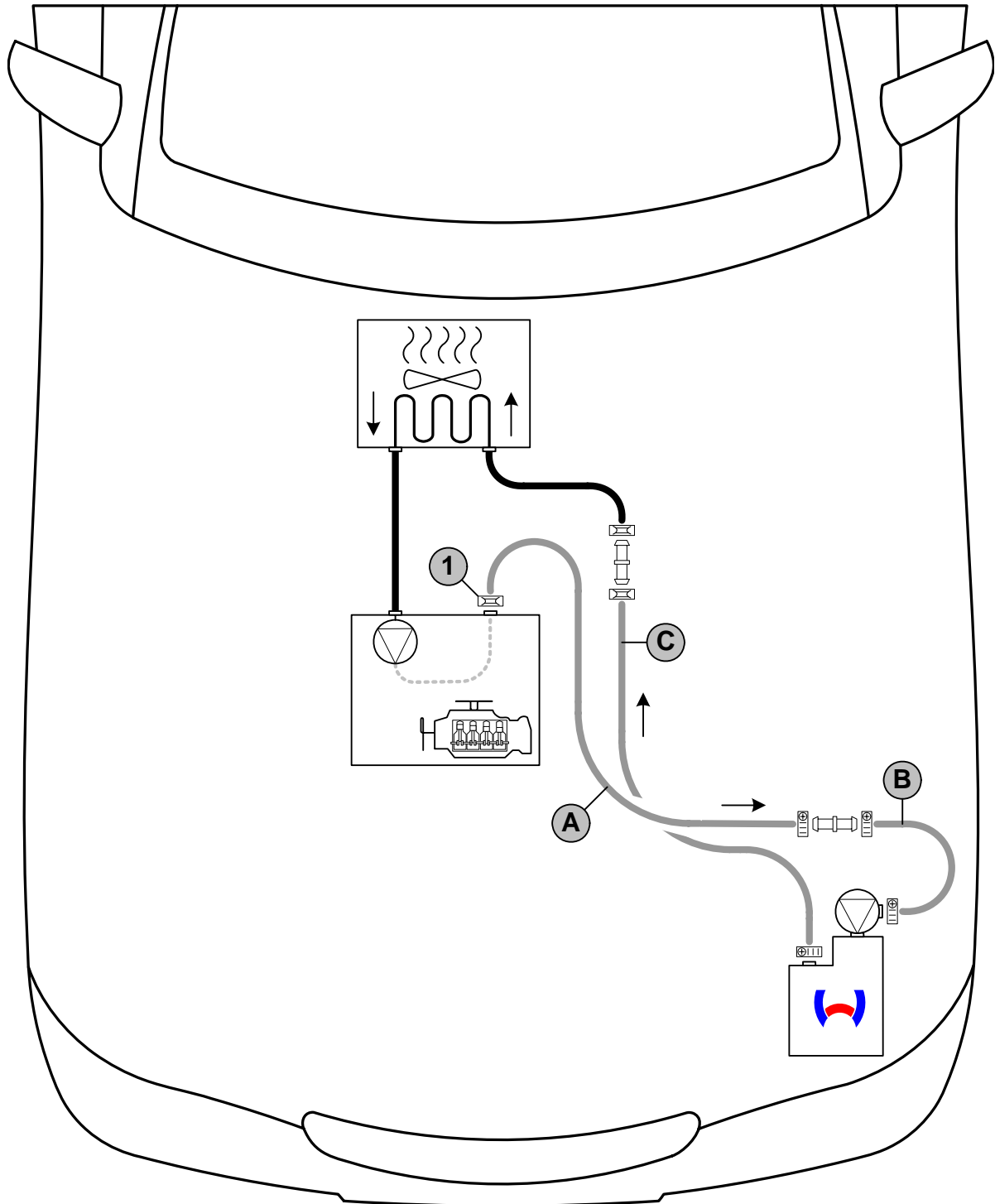


Coolant on 1.4 MPI





WARNING!

Any coolant running off should be collected using an appropriate container. Install hoses so that they are kink-free. Unless specified otherwise, always fasten using cable ties. Position clamps so that no other hose can be damaged! When installing the coolant hose, the heater unit must be filled with coolant.

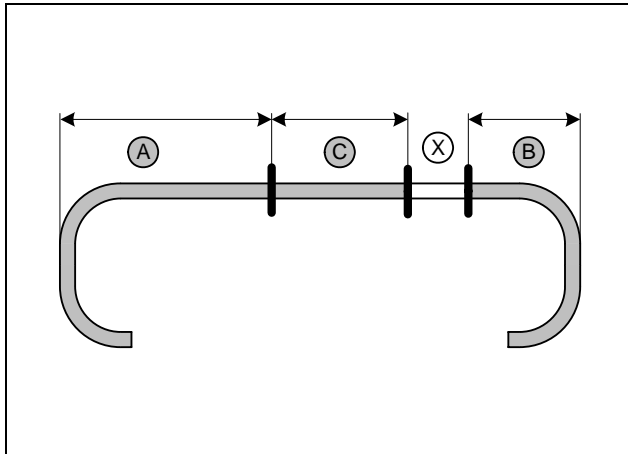
The connection should be "inline" based on the following diagram:



Coolant routing diagram

All spring clips without a specific designation  = 27 mm dia. 1 = Original vehicle spring clip  . All connecting pipes  = 20x20 mm dia. All hose clamps  = 20-27 mm dia.!

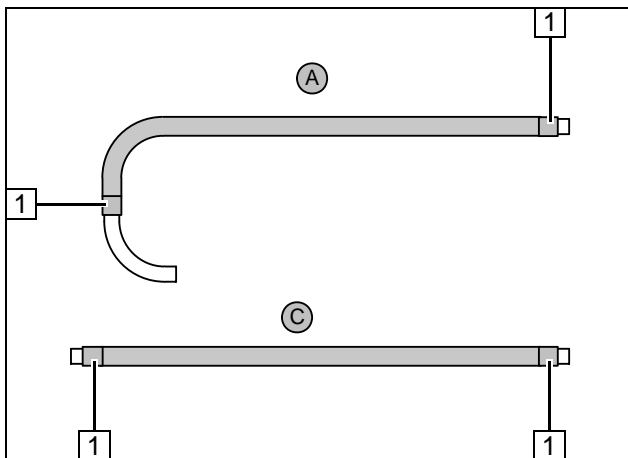




a = 670
b = 120
c = 770

Discard section X

Cutting coolant hoses to length

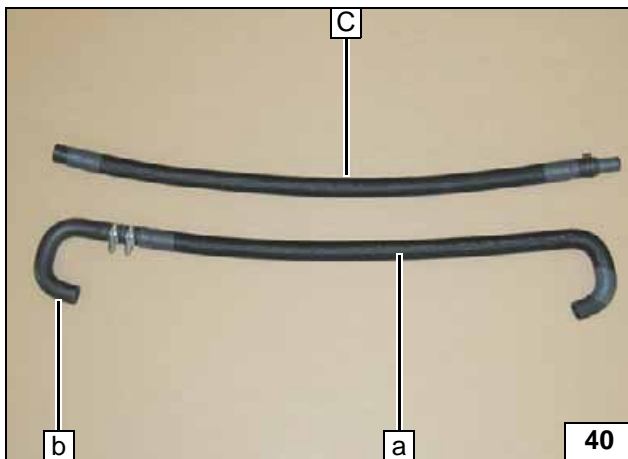


Push braided protection hoses onto hose A and C and cut to length.
Cut heat shrink plastic tubing to length.

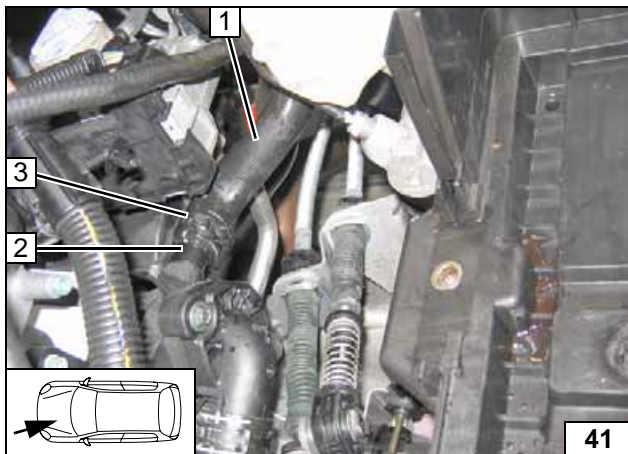


1 25 mm long heat shrink plastic tubing [4x]

Preparing coolant hoses



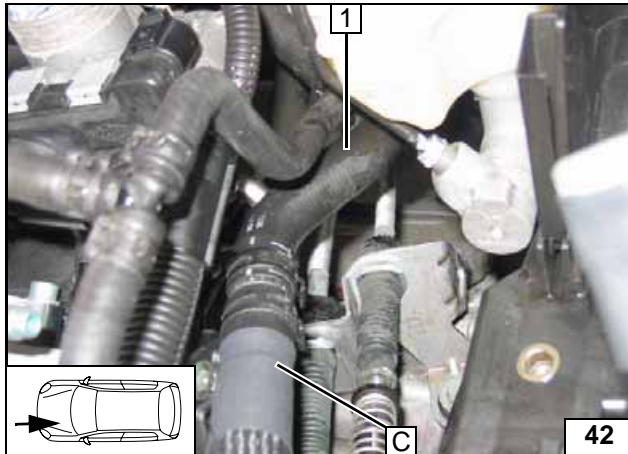
Premounting coolant hoses



Pull off hose on engine outlet/heat exchanger inlet 1 on connection piece of engine outlet 2. Spring clip 3 will be reused.
Install battery carrier.

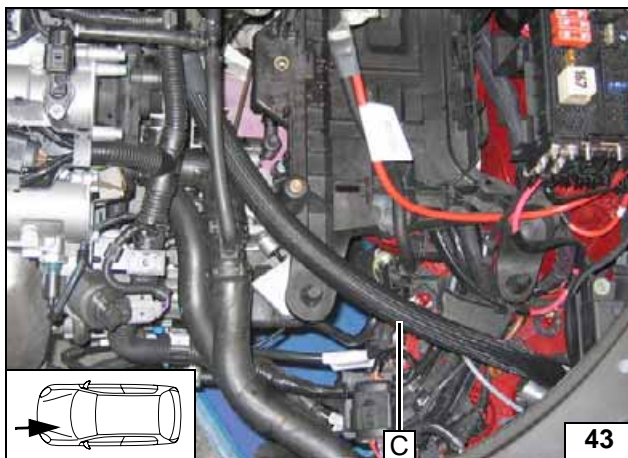


Cutting point

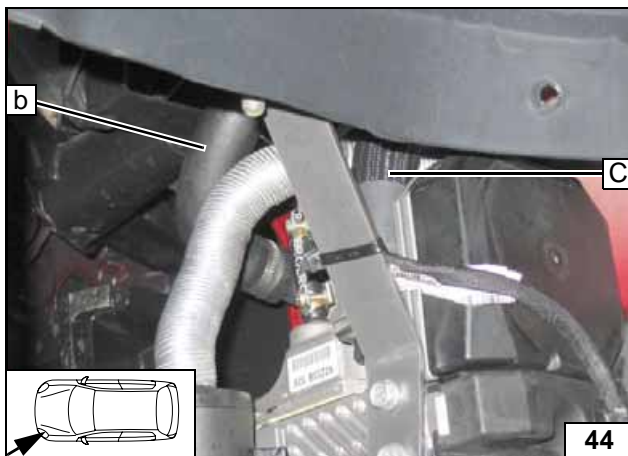


1 Hose on heat exchanger inlet

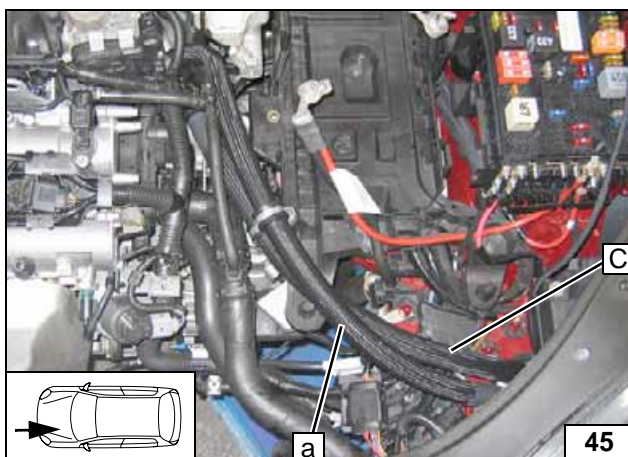
Connect-
ing heat
exchanger
inlet



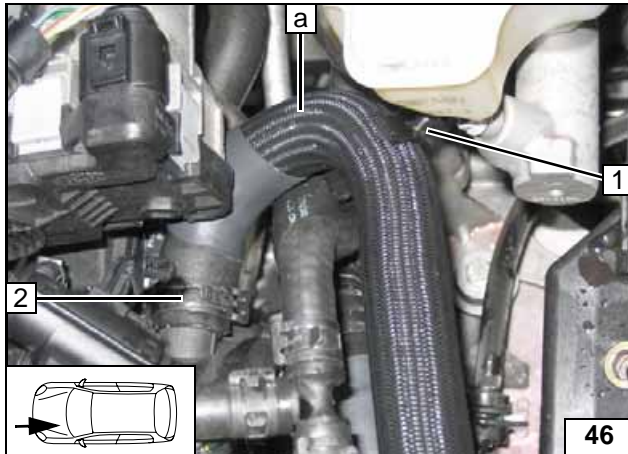
Routing in
engine
compart-
ment



Connect-
ing heater
unit

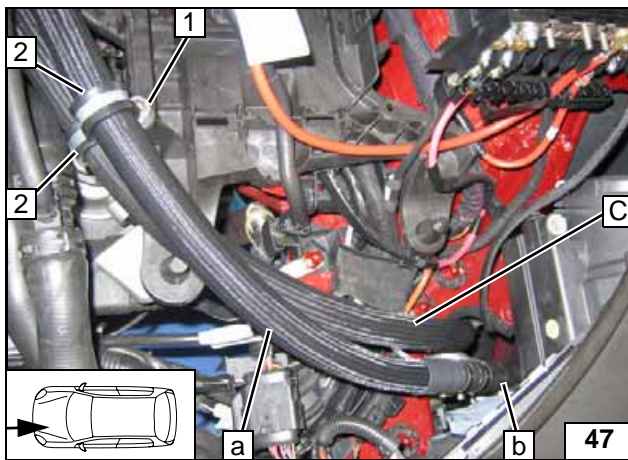


Routing in
engine
compart-
ment



- 1 27x6 double clip on hose **A** and brake line from brake master cylinder
- 2 Original vehicle spring clip

**Connect-
ing engine
outlet**



Ensure sufficient distance to neighboring components.

- 1 M6x20 screw, spring lockwasher on existing thread
- 2 29 mm dia. rubber-coated p-clamp [2x]



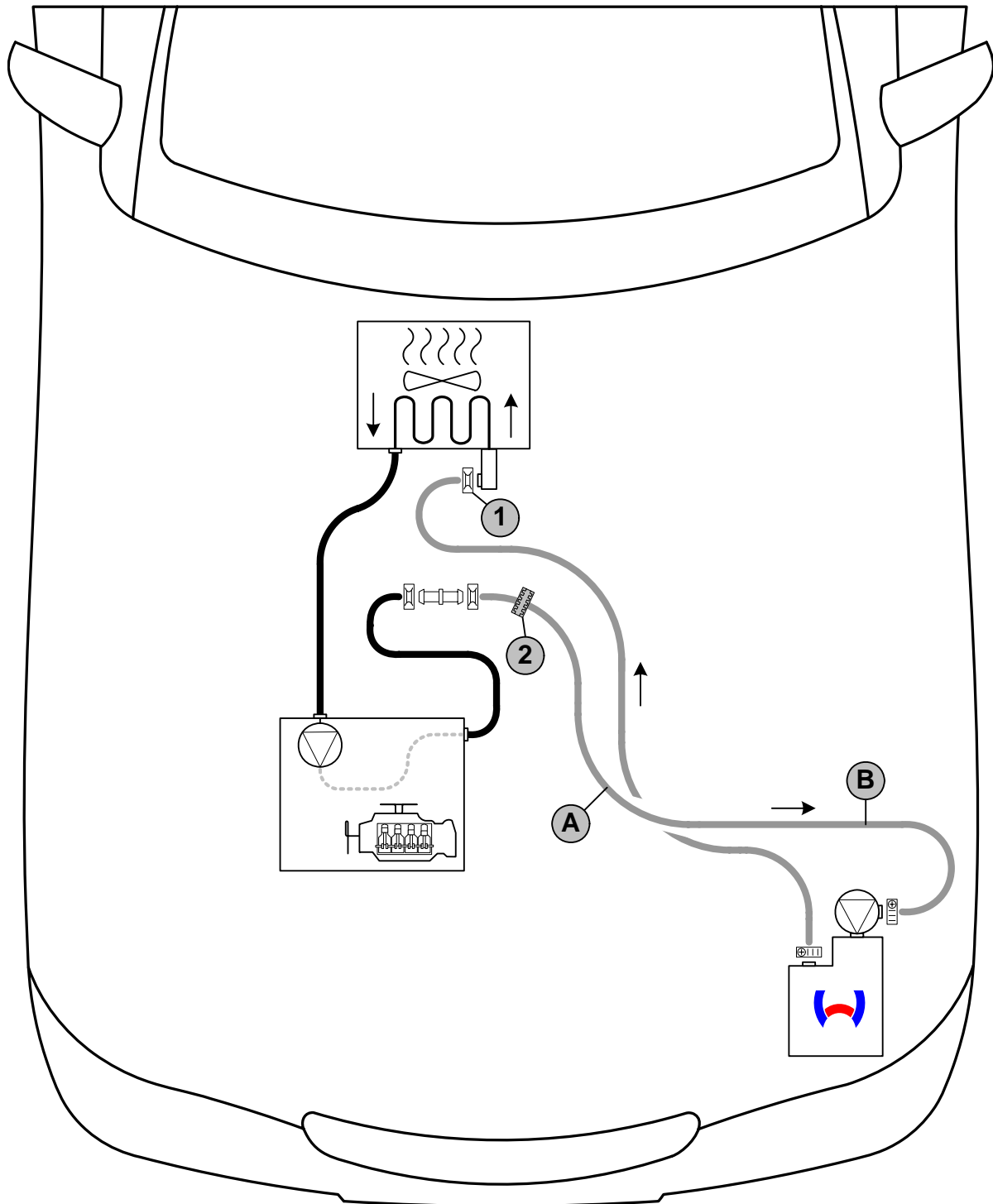
**Fastening
hoses**








Coolant on 1.6 FSI

WARNING!

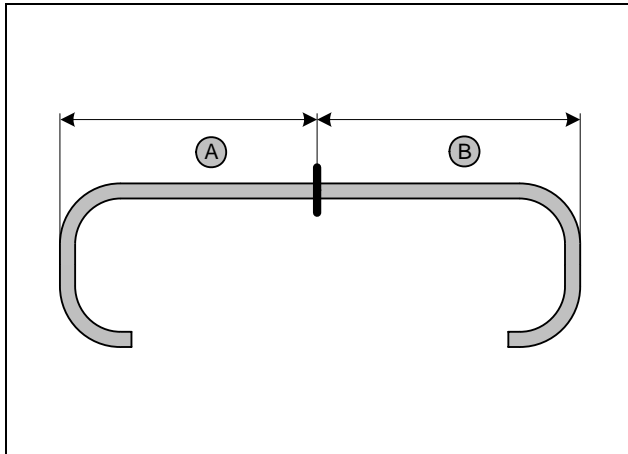
Any coolant running off should be collected using an appropriate container. Install hoses so that they are kink-free. Unless specified otherwise, always fasten using cable ties. Position clamps so that no other hose can be damaged! When installing the coolant hose, the heater unit must be filled with coolant. The connection should be "inline" based on the following diagram:



Coolant routing diagram

All spring clips without a specific designation  = 27 mm dia. 1 = Original vehicle spring clip  . All hose clamps  = 20-27 mm dia.! Connecting pipe  = 20x20 mm dia. 2 = Black (sw) rubber isolator  .

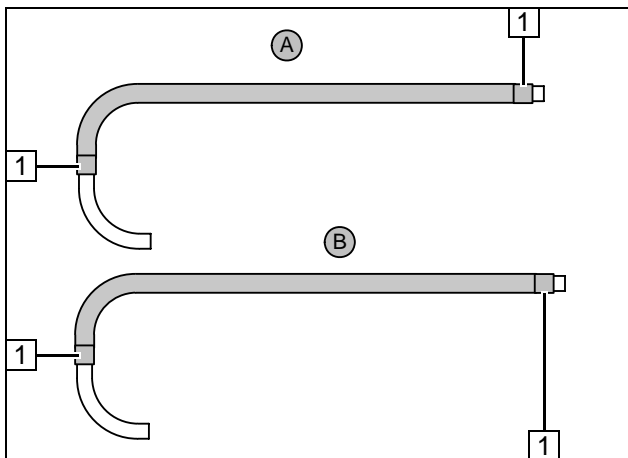




a = 1000
b = 1050

Discard section X

Cutting coolant hoses to length

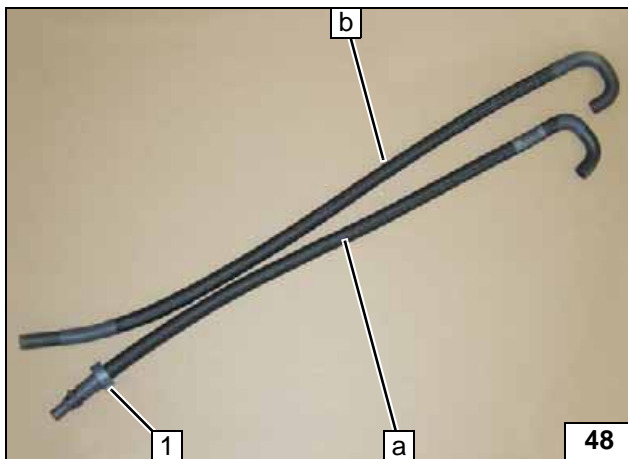


Push braided protection hoses onto hose A and B and cut to length.
Cut heat shrink plastic tubing to length.



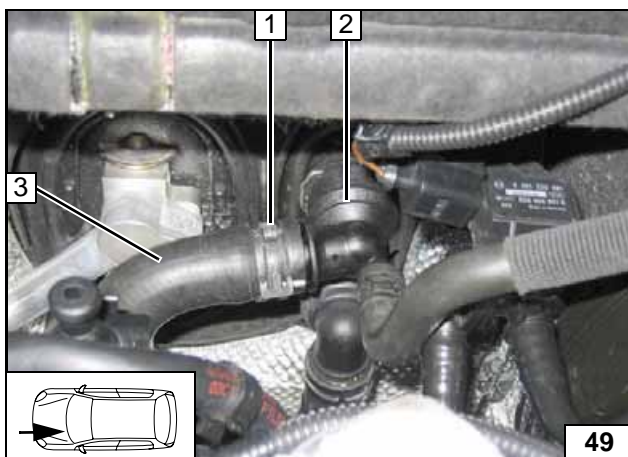
1 25 mm long heat shrink plastic tubing [4x]

Preparing coolant hoses



1 Black (sw) rubber isolator

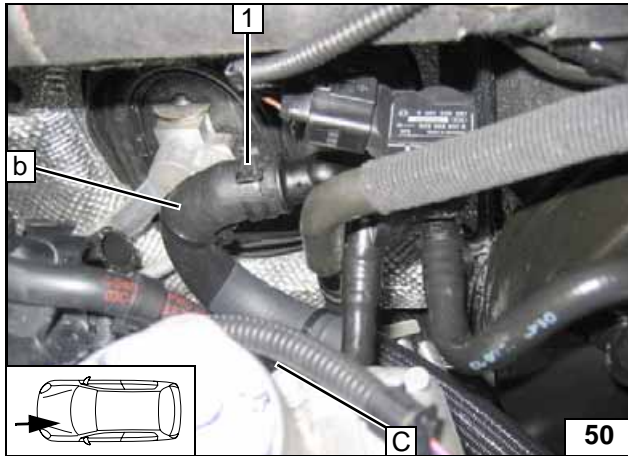
Premounting coolant hoses



Pull off hose on engine outlet/heat exchanger inlet 3 on connection piece of heat exchanger inlet 2. Spring clip 1 will be reused.
Install battery carrier.

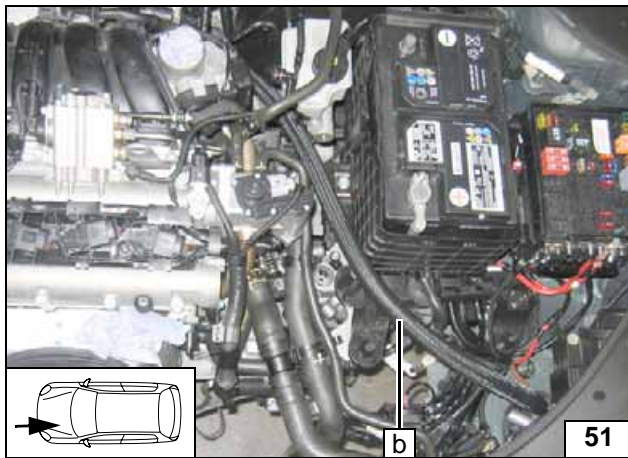


Cutting point

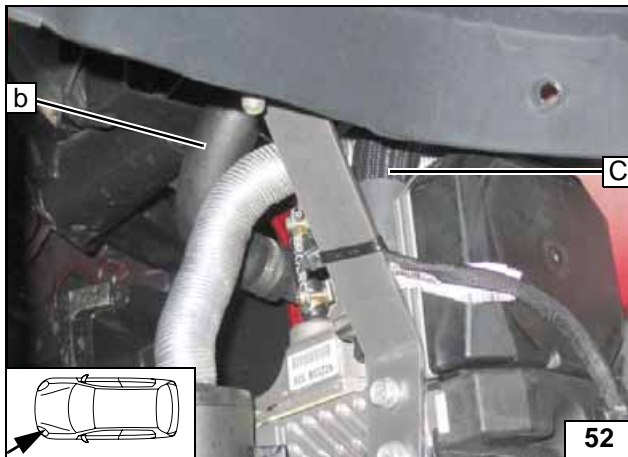


1 Original vehicle spring clip

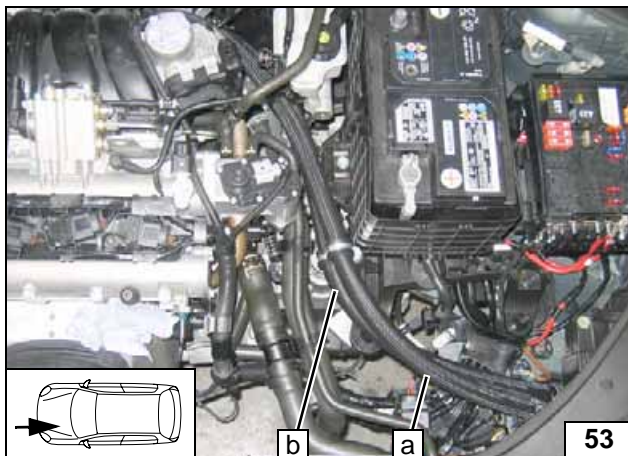
Connect-
ing heat
exchanger
inlet



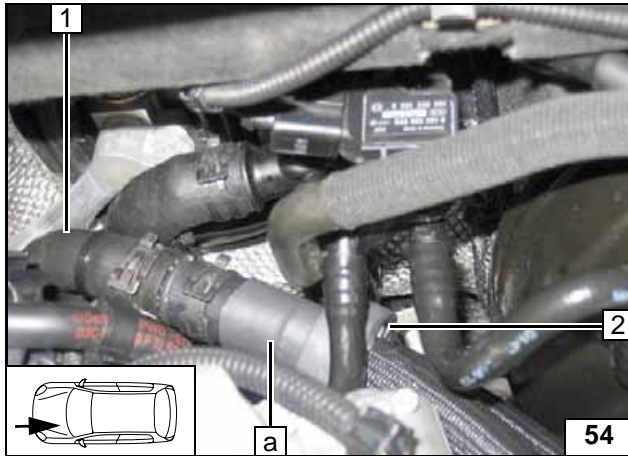
Routing in
engine
compart-
ment



Connect-
ing heater
unit

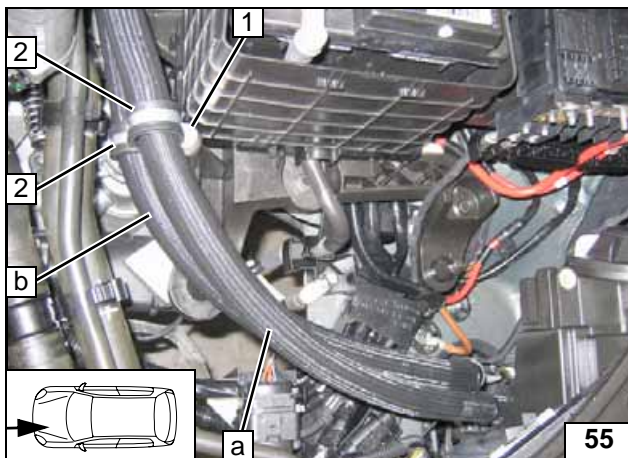


Routing in
engine
compart-
ment



- 1 Hose of engine outlet
- 2 Align rubber isolator

Connect-
ing engine
outlet

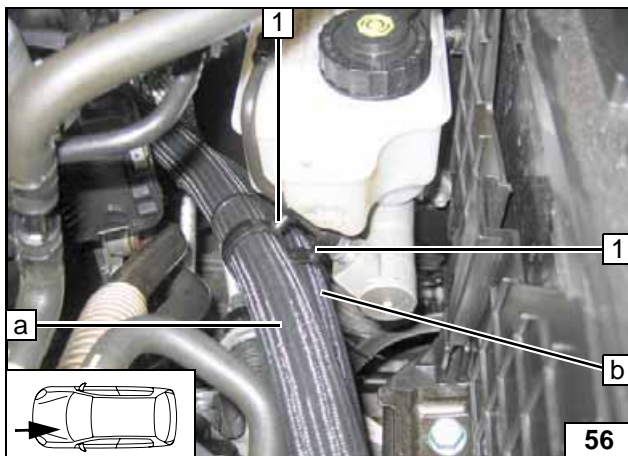


Ensure sufficient distance to neighboring components.

- 1 M6x20 screw, spring lockwasher on existing thread
- 2 29 mm dia. rubber-coated p-clamp [2x]



Fastening
hoses



- 1 27x6 mm double clip [2x] (on hose A and brake line from brake master cylinder)

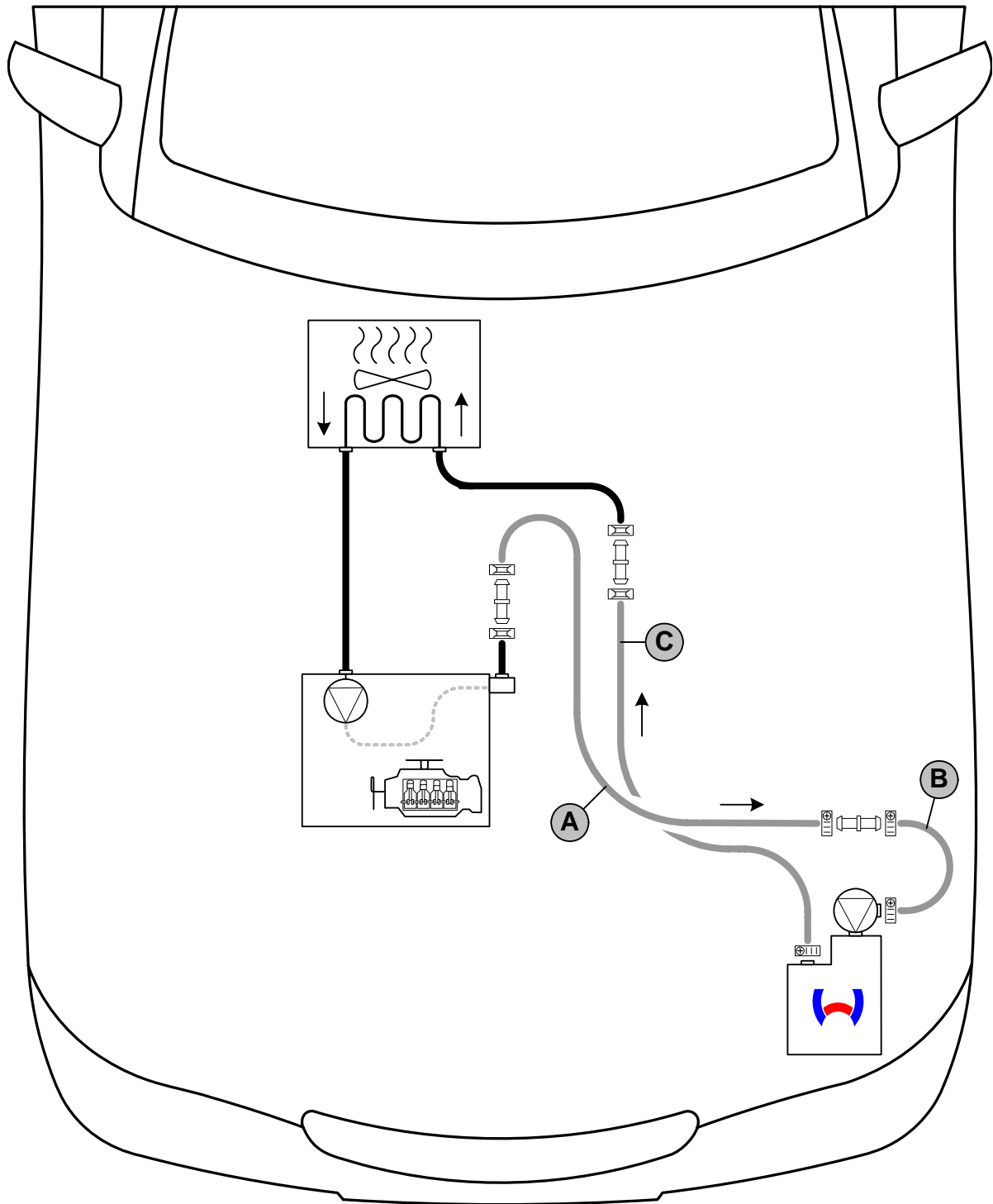
Connect-
ing engine
outlet






Coolant on 1.8 TFSI

WARNING!

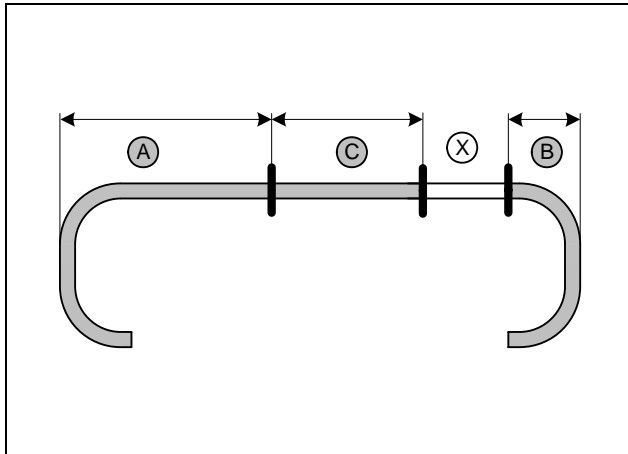
Any coolant running off should be collected using an appropriate container. Install hoses so that they are kink-free. Unless specified otherwise, always fasten using cable ties. Position clamps so that no other hose can be damaged! When installing the coolant hose, the heater unit must be filled with coolant. The connection should be "inline" based on the following diagram:



Coolant routing diagram

All spring clips without a specific designation  = 27 mm dia. All connecting pipes  = 20x20 mm dia. All hose clamps without a specific designation  = 20-27 mm dia.

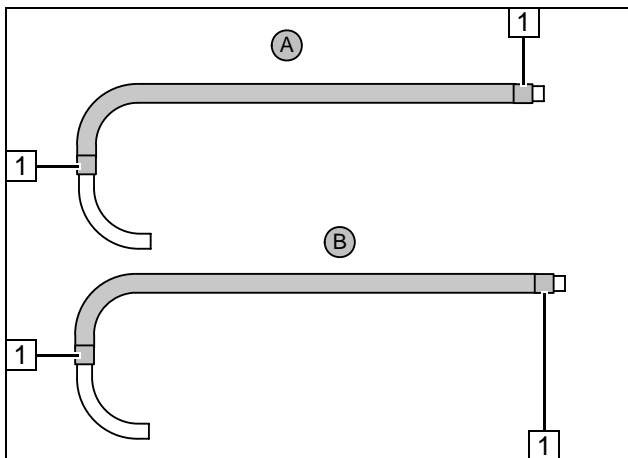




a = 700
b = 70
c = 710

Discard section X

Cutting coolant hoses to length

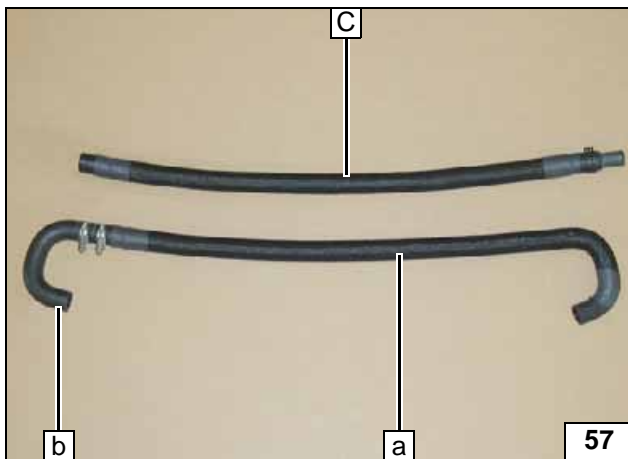


Push braided protection hoses onto hose **A** and **B** and cut to length.
Cut heat shrink plastic tubing to length.



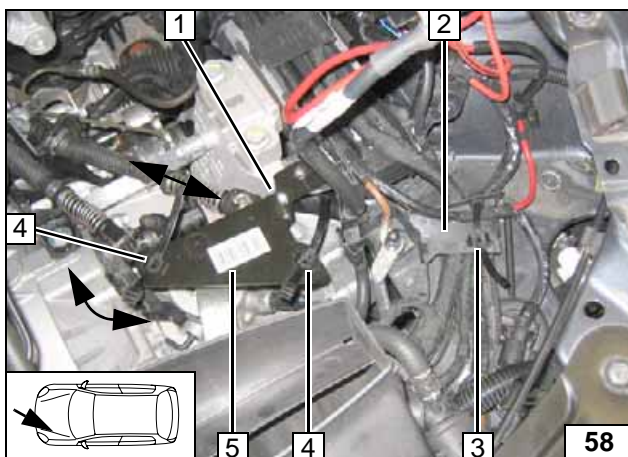
1 25 mm long heat shrink plastic tubing [4x]

Preparing coolant hoses



1 Black (sw) rubber isolator

Premounting coolant hoses

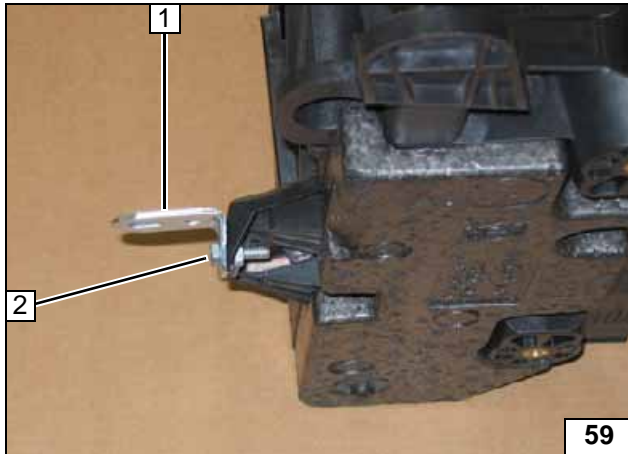


Drill 6 mm dia. hole in cover of cable duct **2** at position **3**. Watch lines located behind duct when drilling!

- 1** M6x12 bolt, flanged nut on existing hole
- 3** 6 mm dia. hole, clip-type cable tie
- 4** Clip-type cable tie [2x] in hole of bracket
- 5** Bracket

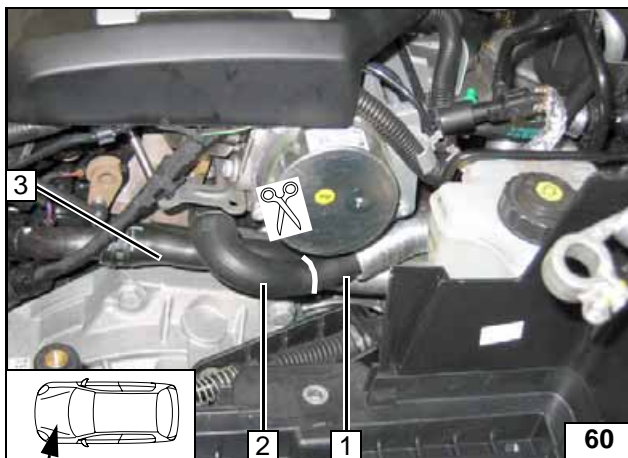


Installing bracket and clip-type cable tie



- 1 Angle bracket
- 2 Mount M6x20 bolt, flanged nut in existing hole

Prepare battery carrier

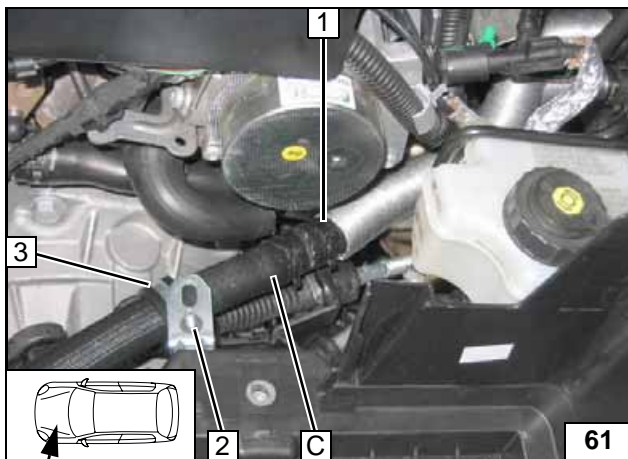


Cut off hose on engine outlet/heat exchanger inlet at marking.
Install battery carrier.



- 1 Hose section of heat exchanger inlet
- 2 Engine outlet hose section

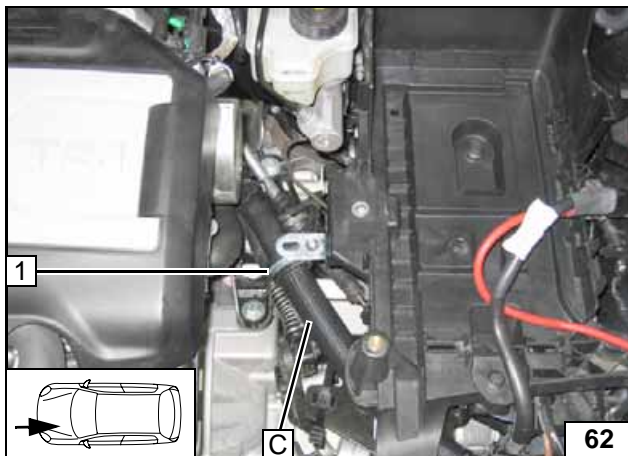
Cutting point



- 1 Hose on heat exchanger inlet
- 2 M6x20 bolt, pin lock
- 3 29 mm dia. rubber-coated p-clamp



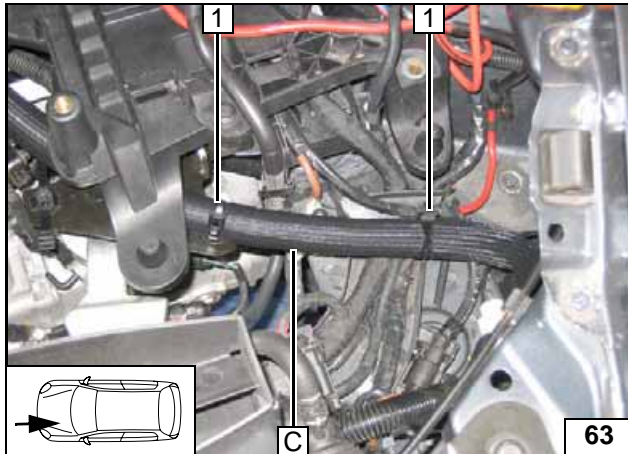
Connecting heat exchanger inlet



Route hose **C** through rubber-coated p-clamp **1**.



Routing in engine compartment



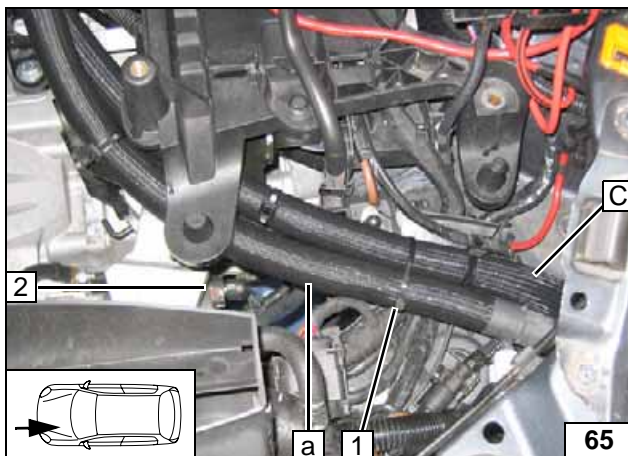
Fasten hose **C** on clip-type cable tie **1** [2x]!!



Routing in engine compartment



Connecting heater unit

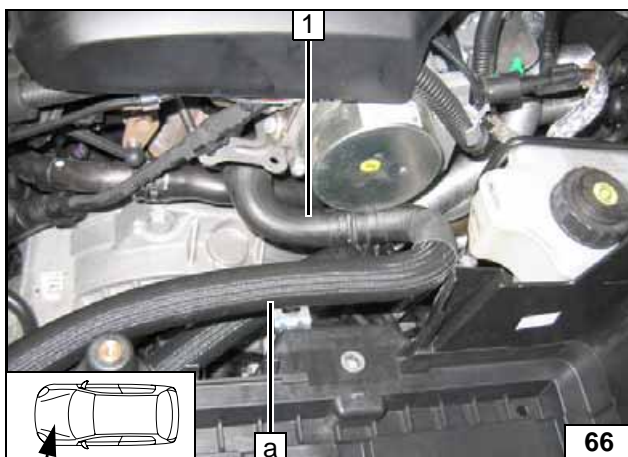


Route hose **A** along hose **C**.

1 Cable tie

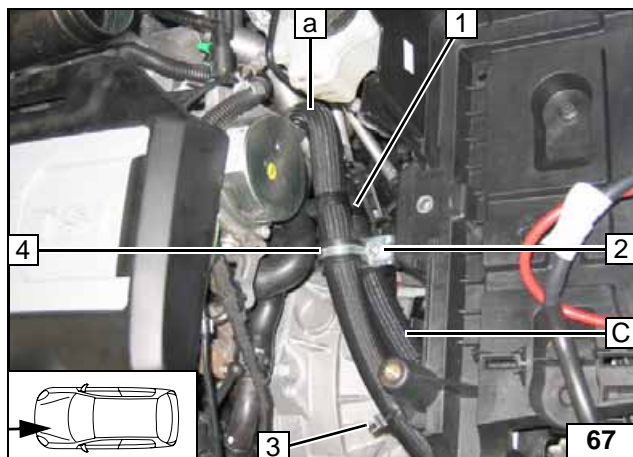
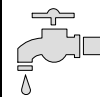


Routing in engine compartment



1 Hose of engine outlet

Connecting engine outlet

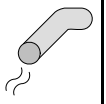


Fasten hose **A** on clip-type cable tie **3**!!
Ensure sufficient distance to neighboring components.

- 1 Spacer bracket
- 2 Flanged nut on M6x20 bolt
- 4 29 mm dia. rubber-coated p-clamp



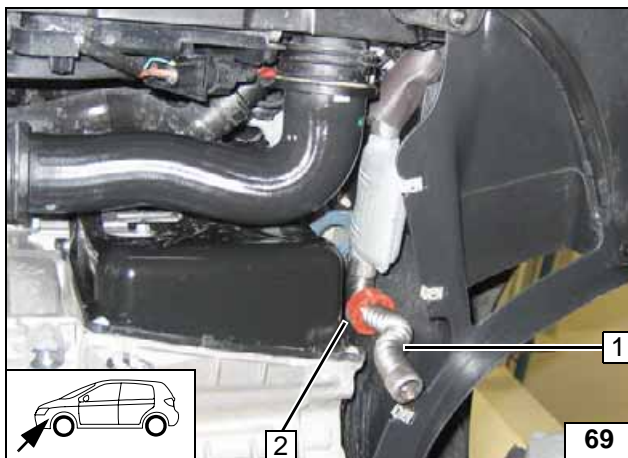
Fastening hoses



Exhaust gas

1 Exhaust end section

Aligning exhaust end section

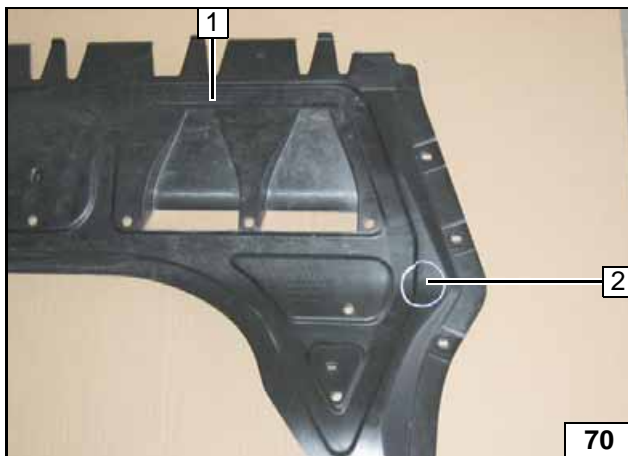


Align exhaust end section 1 and rubber isolator 2.

Ensure sufficient spacing of exhaust end section to transmission and to wheel well trim. (Picture shows vehicle with direct shift transmission)

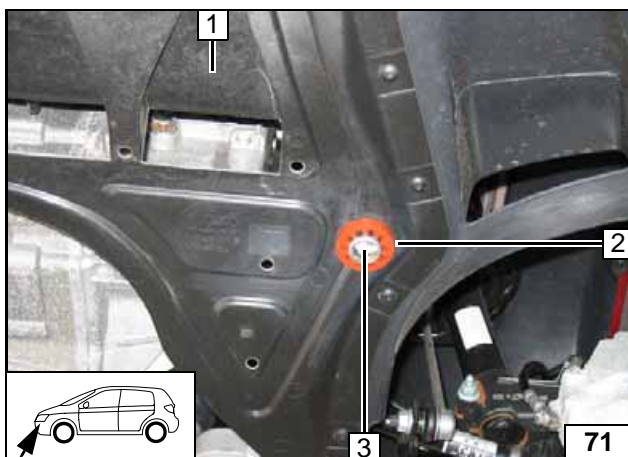


Installing wheel well trim



1 Underide protection
2 42 mm dia. hole

Cutting out underide protection



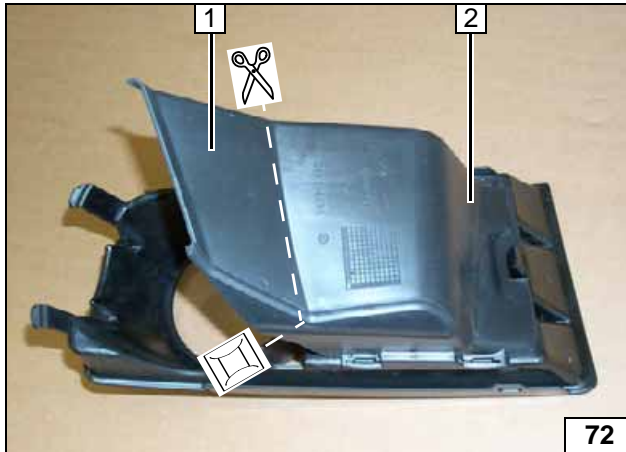
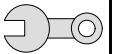
Insert red (rt) rubber isolator 2 in 42 mm dia. hole.

Align exhaust end section 3 flush on red rubber isolator 2.

1 Underide protection



Mounting rubber isolator



Front fog light trim piece

- 1 Discard section
- 2 Front fog light trim piece (depending on equipment)

Cutting front fog light trim piece to size

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 the 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.
- Make settings on A/C control panel according to the "Operating Instructions for End Customer".
- 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.



Adapting sensitivity of passenger compartment monitoring

WARNING!

This can only be carried out at an authorized workshop! Observe the applicable repair manual of the respective vehicle.

- Connect the VAG 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.



Webasto
Feel the drive

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

Operating Instructions for 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

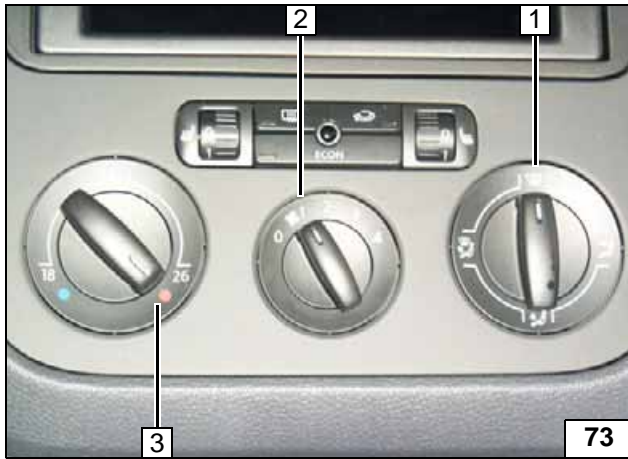
Example:

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

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

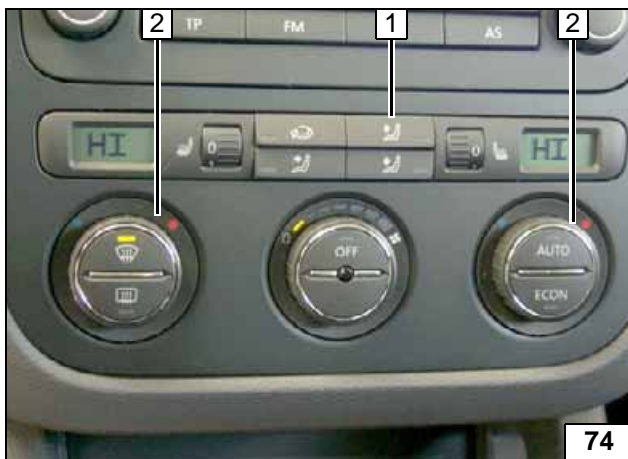


Before parking the vehicle, make the following settings:



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

Climatic



- 1 Air outlet faces upward
- 2 Set temperature on both sides to "HI".

Climatronic