

Thermo Top Evo 4 Parking Heater



Installation Documentation Citroen C4 / DS4

Validity

Manufacturer	Model	Туре	EG-BE No. / ABE
Citroen	C4 / DS4	NC	e2 * 2007 / 46 * 0040 *
Citroen	DS4	NX	e2 * 2007 / 46 * 0040 *

C4

Motorisation	Fuel	Transmission type	Output in kW	Displacement in cm ³	Engine code
1.6 HDI 110	Diesel	5-/6-gear SG	82	1560	9HR
1.6 eHDI 110	Diesel	EGS6	82	1560	9HR

DS4

Motorisation	Fuel	Transmission type	Output in kW	Displacement in cm ³	Engine code
1.6 HDI 110	Diesel	6-speed SG	82	1560	9HR
1.6 eHDI 110	Diesel	EGS6	82	1560	9HR

SG = Manual transmission EGS6 = Electronically controlled 6-gear transmission

From Model Year 2011 Left-hand drive vehicle

 Verified equipment variants:
 Manual / automatic air-conditioning system

 Front fog lights
 Bi- Xenon / Headlight washer system

 Start-Stop
 Not verified:

Total installation time: approx. 8 hours

Warning:

Only in conjunction with Thermo Top Evo 4, because of special coolant connection **without** engine preheating. Engine preheating can cause starting problems and / or incorrect entries and is not recommended.

Citroen C4 / DS4

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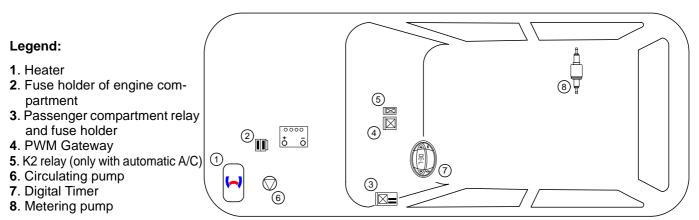
Necessary Components

- Basic delivery scope of Thermo Top Evo 4 based on price list
- Installation kit for Citroen C4 / DS4 2011 Diesel, island connection: 1321631A
- · Heater control in accordance with price list and upon consultation with end customer
- In case of Telestart, indicator lamp in accordance with price list and in consultation with end customer

Installation instructions:

- Arrange for the vehicle to be delivered with the tank only about 1/4 full!
- The installation location of the push button in the case of Telestart or Thermo Call should be confirmed with the end customer.
- Depending on the available space and manufacturer's instructions, we recommend the use of a vehicle battery with more electrical capacity.

Installation Overview



Information on Total Installation Time

The total installation time includes the time needed for mounting and demounting of the vehicle-specific components, the heater specific installation time and all other times required for the system integration and initial start-up of the heater.

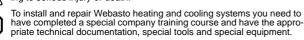
The total installation time may vary for vehicle equipment other than provided.

Information on Operating and Installation Instructions

1 Important notes (not complete)

1.1 Installation and Repair

The improper installation or repairing of Webasto heating and cooling systems can cause fire or the leakage of deadly carbon monoxide, leading to serious injury or death.



Installation and repair may ONLY be carried out by persons trained and certified in a Webasto training course. NEVER try to install or repair Webasto heating or cooling systems if you have not completed a Webasto training course, you do not have the necessary technical skills and you do not have the technical documentation, tools and equipment available to ensure that you can complete the installation and repair work properly.

Only use genuine Webasto parts. See the Webasto air and water heaters accessories catalogue for this purpose.

1.2 Operation

To ensure safe operation, we recommend having the heater checked every two years by an authorised Webasto dealer, especially when used over a long period and/or under extreme environmental conditions.

Do not operate the heater in closed rooms due to the danger of poisoning and suffocation.

Always switch off the heater before refuelling.

The heater may only be used with the prescribed fuel Diesel (DIN EN 590) or petrol (DIN EN 227).

The heater may not be cleaned with a high-pressure cleaner.

1.3 Please note

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

To become familiar with and understand all functions and properties of the heater, the operating instructions must be read carefully and observed at all times.

For proper, safe installation and repair work, the installation instructions with all warnings and safety information must be carefully read and observed at all times. Please always contact a workshop authorised by Webasto for all installation and repair work.

Important

Webasto shall assume no liability for defects, damage and injuries resulting from a failure to observe the installation, repair and operating instructions of the information contained in them.

This liability exclusion particularly applies to improper installations and repairs, installations and repairs by untrained persons or in the case of a failure to use genuine spare parts.

The liability due to culpable disregard to life, limb or health and due to damage or injuries caused by a wilful or reckless breach of duty remain unaffected, as does the obligatory product liability.

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. Insulate loose wire ends and tie back. Connectors on electronic components have to audibly click into place during installation.

Sharp edges should be fitted with rub protection. Spray unfinished body areas, e.g. drilled holes, with anti-corrosion wax (Tectyl 100K, Order No. 111329).

Observe the instructions and guidelines of the respective vehicle manufacturer for demounting and mounting vehicle specific components!

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

When installing a PWM-Gateway, the corresponding settings must be checked or adjusted.

2 Statutory regulations governing installation

Guidelines	Thermo Top Evo
Heating Directive ECE R122	E1 00 0258
EMC Directive ECE R10	E1 04 5627

Note

The regulations of these guidelines are binding in the scope of the Directive 70/156/EEC and/or 2007/46/EC (for new vehicle models from 29/04/2009) and should also be observed in countries in which there are no special regulations.

Important

Failure to follow the installation instructions will result in the invalidation of the type approval for the heater and therefore invalidation of the general **homologation of the vehicle**.

Note

For vehicles with an EU permit, no entry in accordance with $\$ 19 Sub-Section 4 of Annex VIII b to the Road Traffic Act is required.

2.1 Excerpt from the directive 2001/56/EC Appendix VII for the installation of the heater

Beginning of excerpt.

ANNEX VII

REQUIREMENTS FOR COMBUSTION HEATERS AND THEIR INSTALLATION

1. GENERAL REQUIREMENTS

1.7.1. A clearly visible tell-tale in the operator's field of view shall inform when the combustion heater is switched on or off.

VEHICLE INSTALLATION REQUIREMENTS

2.1. Scope

2.

- 2.1.1. Subject to paragraph 2.1.2. combustion heaters shall be installed according to the requirements of this Annex.
- 2.1.2. Vehicles of category O having liquid fuel heaters are deemed to comply with the requirements of this Annex.

2.2. Positioning of heater

- 2.2.1. Body sections and any other components in the vicinity of the heater must be protected from excessive heat and the possibility of fuel or oil contamination.
- 2.2.2. The combustion heater shall not constitute a risk of fire, even in the case of overheating. This requirement shall be deemed to be fulfilled if the installation ensures an adequate distance to all parts and suitable ventilation, by the use of fire resistant materials or by the use of heat shields.
- 2.2.3. In the case of M2 and M3 vehicles, the heater must not be positioned in the passenger compartment. However, an installation in an effectively sealed envelope which also complies with the conditions in paragraph 2.2.2 may be used.
- 2.2.4. The label referred to in paragraph 1.4 or a duplicate, must be positioned so that it can be easily read when the heater is installed in the vehicle.
- 2.2.5. Every reasonable precaution should be taken in positioning the heater to minimise the risk of injury and damage to personal property.

2.3. Fuel supply

- 2.3.1. The fuel filler must not be situated in the passenger compartment and must be provided with an effective cap to prevent fuel spillage
- 2.3.2. In the case of liquid fuel heaters, where a supply separate to that of the vehicle is provided, the type of fuel and its filler point must be clearly labelled
- 2.3.3. A notice, indicating that the heater must be shut down before refuelling, must be affixed to the fuelling point. In addition a suitable instruction must be included in the manufacturer's operating manual.

2.4. Exhaust system

2.4.1. The exhaust outlet must be located so as to prevent emissions from entering the vehicle through ventilators, heated air inlets or opening windows.

2.5. Combustion air inlet

- 2.5.1. The air for the combustion chamber of the heater must not be drawn from the passenger compartment of the vehicle.
- 2.5.2. The air inlet must be so positioned or guarded that blocking by rubbish or luggage is unlikely.

2.6. Heating air inlet

- 2.6.1. The heating air supply may be fresh or recirculated air and must be drawn from a clean area not likely to be contaminated by exhaust fumes emitted either by the propulsion engine, the combustion heater or any other vehicle source.
- 2.6.2. The inlet duct must be protected by mesh or other suitable means.

2.7. Heating air outlet

- 2.7.1. Any ducting used to route the hot air through the vehicle must be so positioned or protected that no injury or damage could be caused if it were to be touched.
- 2.7.2. The air outlet must be so positioned or guarded that blocking by rubbish or luggage is unlikely.

End of excerpt.

In multilingual versions the German language is binding.

Citroen C4 / DS4

Information on Validity

This installation documentation applies to Citroen C4 / DS4 Diesel vehicles - for validity, see page 1 - from model year 2011 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".

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

Technical Information

Special Tools

- · Hose clamp pliers for auto-tightening hose clamps
- · Hose clamp pliers for Clic hose clamps of type W
- Automatic wire stripper 0.2 6mm²
- Crimping pliers for cable lug / tab connector 0.5 6mm²
- Torque wrench for 2.0 10 Nm
- · Hose clamping pliers
- Metric thread-setter kit
- · Webasto Thermo Test Diagnosis with current software

Dimensions

• All dimensions in mm.

Tightening torque values

- Tightening torque values for 5x13 heater bolts and 5x11 heater stud bolts = 8Nm.
- Tightening torque values of 5x15 retaining plate of water connection piece bolts = 7Nm.
- Tighten other bolt connections in accordance with manufacturer's instructions or in accordance with state-of-theart-technology.

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.

Special features are highlighted using the following symbols:

Step5.			
Mechanical system	> -•	Special risk of injury or fatal accidents.	
Electrical System	4	Specific risk of damage to components.	!
Coolant Circuit		Specific risk of fire or explosion.	
Combustion Air		Reference to general installation instructions of the Webasto component or to vehicle specific documents of the manufacturer	i
Fuel		Reference to a special technical feature.	
Exhaust gas		The arrow in the vehicle icon indicates the position on the vehicle and the viewing angle.	000
Software			

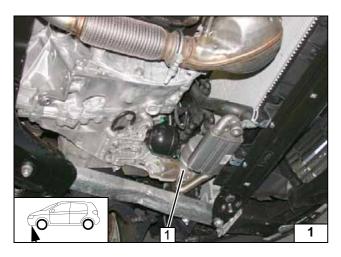
Preliminary Work

Vehicle

- Open the fuel tank cap.
- Ventilate the fuel tank.
- Close the fuel tank cap again.
- Depressurise the cooling system.
- Remove the underride protection.
- Remove the right lower fuel tank cover.
- Detach the left-hand wheel well trim (for battery carrier bolts)
- Completely remove the battery together with the carrier.
- Remove the air filter of the intake hose.
- Remove the bracket of the air filter (original vehicle bolts will be reused).
- Remove the coolant reservoir cap.
- Remove the instrument panel at the centre of the storage compartment.
- Remove the trim of the A/C control panel.
- Remove the A/C control panel in accordance with the manufacturer's instructions.
- Remove the radio with shaft.
- Remove the lower and left instrument panel trim on the driver's side.
- Remove the knee air bag.

Heater

- Remove years that do not apply from the type and duplicate label.
- Attach the duplicate label (type label) in the appropriate place in the engine compartment.

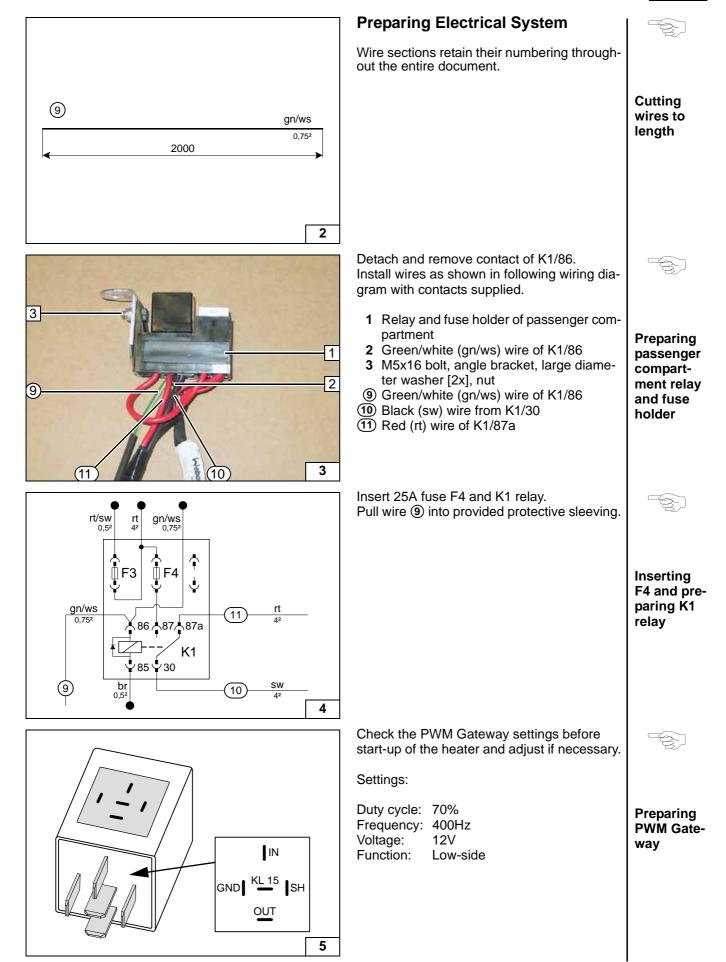


Heater Installation Location

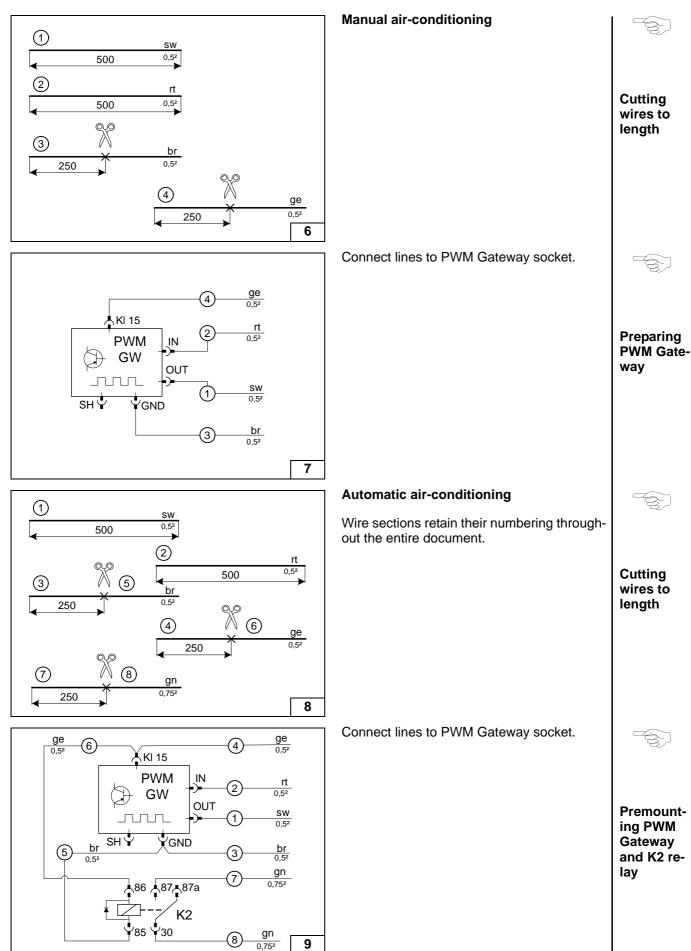
1 Heater

Installation location

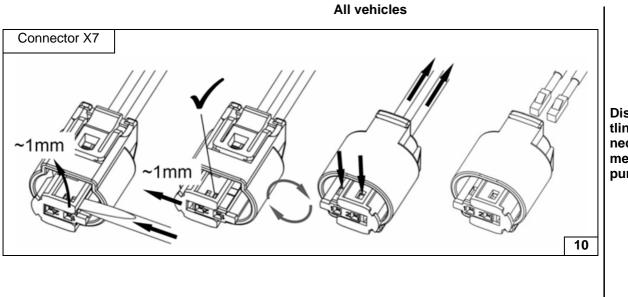












Dismantling connector of metering pump



Electrical System

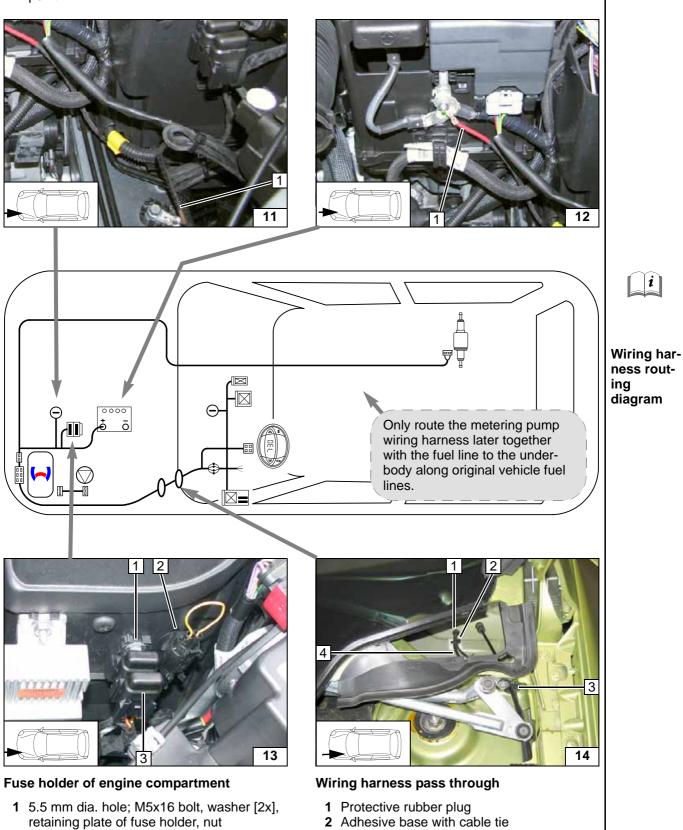
Earth wire

1 Earth wire on original vehicle earth support point

Positive wire

1 Positive wire on positive battery distributor





- 2 6mm dia. hole, retaining clip, diagnosis connector
- 3 F1-2 fuses

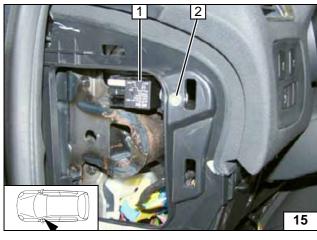
- 3 Protective rubber plug
- 4 Wiring harnesses of heater, heater controls

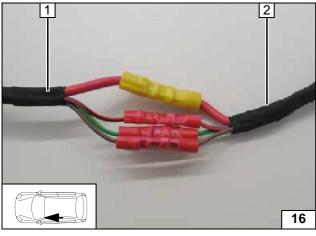


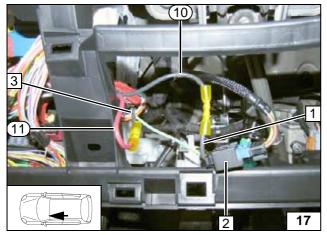
i Webasto Citroen 30 15 HG Wiring dia-X2 \V1 \V2 2\V5 VX1 ∯ F2 ∯ F1 gram 🗍 F21 F10 F2 4 R2 ge 0,5² BSI 1032 **₽**16 1V ND 1 ¥2 1 ws rt 42 gn/ws 0,752 rt/sw ws sw [<u>↓</u>1]OBD 2,5² br 0.5 rt/sw gn/ws 0,75² rt 42 0.54 11 8045 ት 10) X10 I F4 6V ND ¥3¥2¥1 ٦ SW 2,5² 1 |.∱3 (9 Å86 Å87Å87a IC26 br 0,5² br 3₽ K1 sw [,]30 85 42 gn/ws 2V NR 1 2 0.75 ws 8050 ^{(M} 👆 SH 0,5 OUT SW PWM 0.5 GW IN rt 0.5² Г WS 0.5² GNDŸ ¥KL15 2 12V NR 12V BE 1 12 (3) ge (4)7) 84C6 0.5 br 0.5² 31 Webasto components Vehicle components Colours and symbols HG TT-Evo heater 1032 Main power supply red rt Χ1 1V ND Connector 1032 6-pin heater connector sw black Х2 2-pin heater connector BSI Central electrical box for ge yellow passenger compartment Legend X10 4-pin connector OBD **OBD** connector green gn of heater control 8045 Fan controller ws white K1 Fan relay 6V ND 6-pin connector 8045 br brown F1 20A fuse IC26 6-pin plug connection F2 30A fuse 2V NR 2-pin connector 8050 F3 1A fuse 8050 Fan motor F4 25A fuse 12V NR 12-pin connector 84C6 PWM Pulse width modulator 12V BE 12-pin connector 84C6 GW 84C6 A/C control panel Settings of PWM Gateway: Duty cycle: 70% Frequency: 400Hz 12V Voltage: Х Cutting point Function: Low-side Wiring colours may vary.

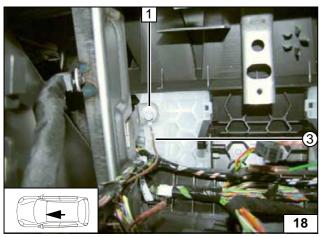
Fan Controller for Manual Air-Conditioning











Countersink 6.5 mm dia. hole at position 2.

- 1 Relay and fuse holder of passenger compartment
- 2 M6x12 countersunk head screw, large diameter washer, flanged nut

Mounting passenger compartment relay and fuse holder

Connect wiring harness of passenger compartment relay and fuse holder **1** to wiring harness of heater **2** according to wiring diagram, in such a way that the wires of the same colour are connected to each other.

> Connecting passenger compartment wiring harnesses

Connection on 6-pin connector **2**. Produce connections as shown in wiring diagram.

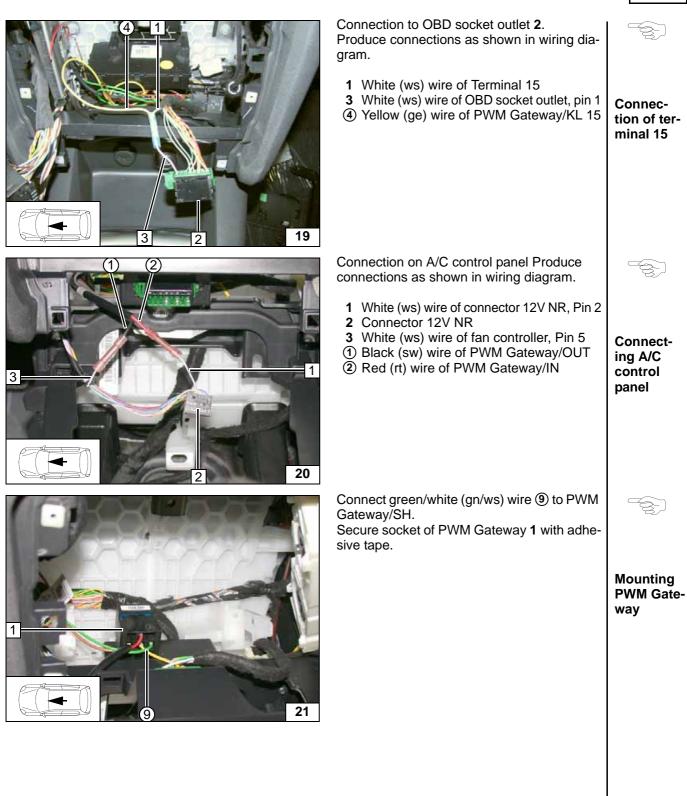
- 1 Black (sw) wire of 6-pin connector
- 3 Black (sw) wire of F10 fuse
- (1) Black (sw) wire from K1/30
- 1 Red (rt) wire of K1/87a

Original vehicle bolt
 Brown (br) wire of PWM Gateway/GND

Connection of connector

PWM Gateway earth connection







i Webasto Citroen 30 15 HG Wiring dia-ĴF2 ĴF1 $X2|\Psi^1|\Psi^2|2\Psi^5\Psi|X1$ **∏** F21 gram Þ F2 R2 ge 0.5² 1032 BSI **\$**16 ws 1V ND 1 Ψ2 gn/ws rt 42 ws rt/sw [<u>↓</u>1]OBD 0.5 br 8045 rt/sw _{0,5²} 0.5 gn/ws 0,75² rt 42 _3 6V ND ¥3¥2¥1¥5 * * * ና IC26 X10 🗍 F3 🗓 F4 |3₩ I sw 2.5 I rt (9 -(11 2V NR 1 2 42 . 86 **↓**87 **↓**87a $\frac{br}{0,5^2} \bullet \frac{br}{0,5^2}$ 1 8050 (M) ro 0,5² 10 K1 1 SW 2.5² gn/ws [,] 85 Ӌ 30 SW 0,75² 🙏 SH sw QUT PWM gn 0.5² ro 0,52 (1)0.5 GW IN H rt (2)0.54 ge 0,52 ¥KL15 GND' gn 0,75 gn 0.5² (8)ge 0.5 6) (3) **≜86 ≜8787**a 40V BE 6V NR 4 1 K2 br 0,5² 7) 8080 ′30 85 br gn 0.75 -(5) 0.54 31 Webasto components Vehicle components Colours and symbols HG TT-Evo heater 1032 Main power supply rt red X1 6-pin heater connector 1V ND Connector 1032 sw black Х2 BSI Central electrical box for 2-pin heater connector ge yellow passenger compartment Legend X10 OBD 4-pin connector OBD connector green gn of heater control 8045 Fan controller pink ro K1 Fan relay 6V ND 6-pin connector 8045 ws white F1 20A fuse IC26 6-pin plug connection br brown F2 2V NR 30A fuse 2-pin connector 8050 F3 1A fuse 8050 Fan motor 6-pin connector 8080 F4 25A fuse 6V NR K2 40V BE 40-pin connector 8080 Additional relay PWM Pulse width modulator 8080 A/C control unit GW Settings of PWM Gateway: Duty cycle: 70% Frequency: 400Hz Voltage: 12V Х Cutting point Wiring colours may vary Function: Low-side

Fan Controller for Automatic Air-Conditioning



Mounting passenger compartment relay and fuse holder

Connecting passenger compartment wiring

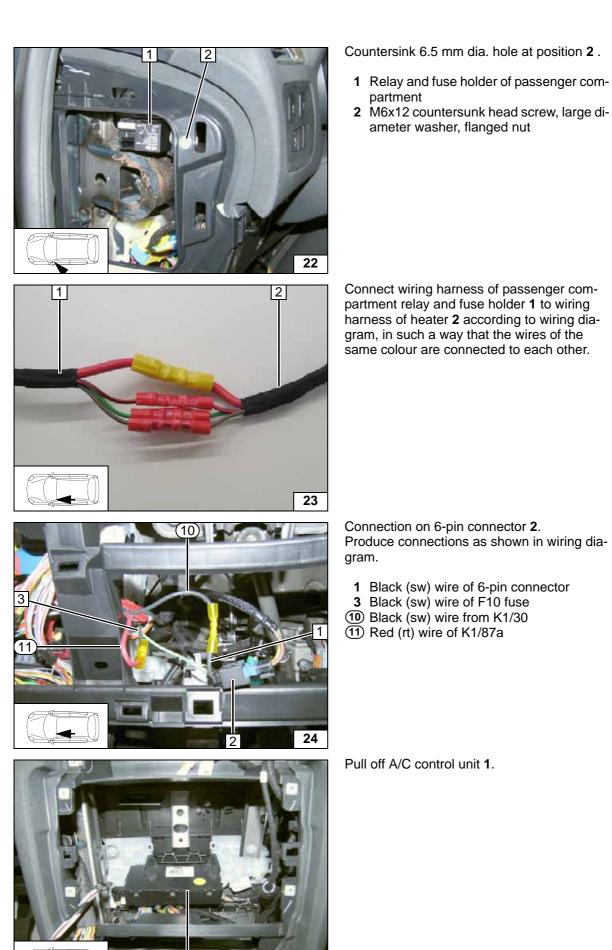
harnesses

Connec-

nector

tion of con-

Detaching A/C control unit



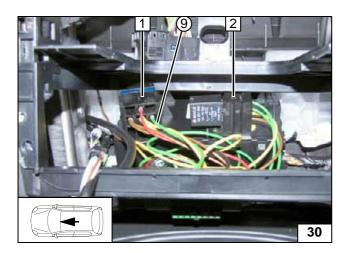
25



	7
 Original vehicle bolt Brown (br) wire of PWM Gateway/GND 	PWM Gate- way earth connection
Connection to OBD socket outlet 2. Produce connections as shown in wiring dia- gram. 1 White (ws) wire of Terminal 15 3 White (ws) wire of OBD socket outlet, pin 1 ④ Yellow (ge) wire of PWM Gateway/KL 15	Connec- tion of ter- minal 15
Connecting to A/C control unit. Detach brown (br) connector half 3 (20-pin, pin 1-20) from connector 40V BE 2 of A/C control unit. Produce connections as shown in wiring dia- gram. 1 Pink (ro) wire of fan controller, Pin 5 4 Pink (ro) wire of brown (br) connector, pin 4 (1) Black (sw) wire of PWM Gateway/OUT (2) Red (rt) wire of PWM Gateway/IN	Connect- ing A/C control unit
Connection to 6-pin connector 6V NR 1 from A/C control unit. Produce connections as shown in wiring dia- gram. 2 Green (gn) wire of 6-pin connector, pin 1 3 Green (gn) wire of Can+ (7) Green (gn) wire from K2/30 (8) Green (gn) wire from K2/87	Connect- ing A/C control unit

(1)



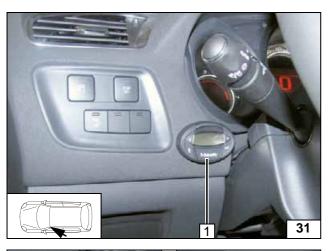


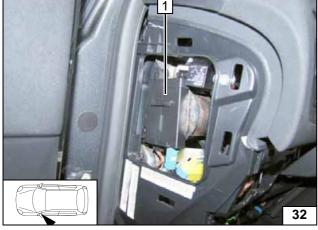
Install radio duct. Mount A/C control unit. Connect green/white (gn/ws) wire (9) to PWM Gateway/SH. Fasten PWM Gateway socket **1** and K2 relay socket **2** with adhesive tape on A/C control

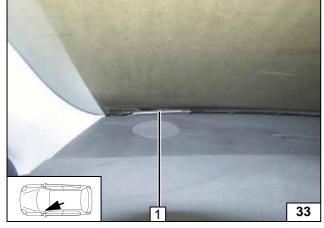
unit.

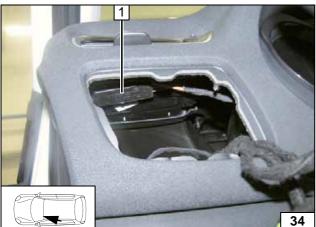


Mounting PWM Gateway and K2 relay









Digital Timer

1 Digital timer



i



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Installing receiver

er

Remote Option (Telestart)

Fasten receiver 1 with adhesive tape.

1 Antenna

Installing antenna

Temperature sensor T100 HTM

Fasten temperature sensor 1 with adhesive tape.

> Installing temperature sensor

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Remote Option (Thermo Call TC3)

Fasten receiver 1 with adhesive tape.

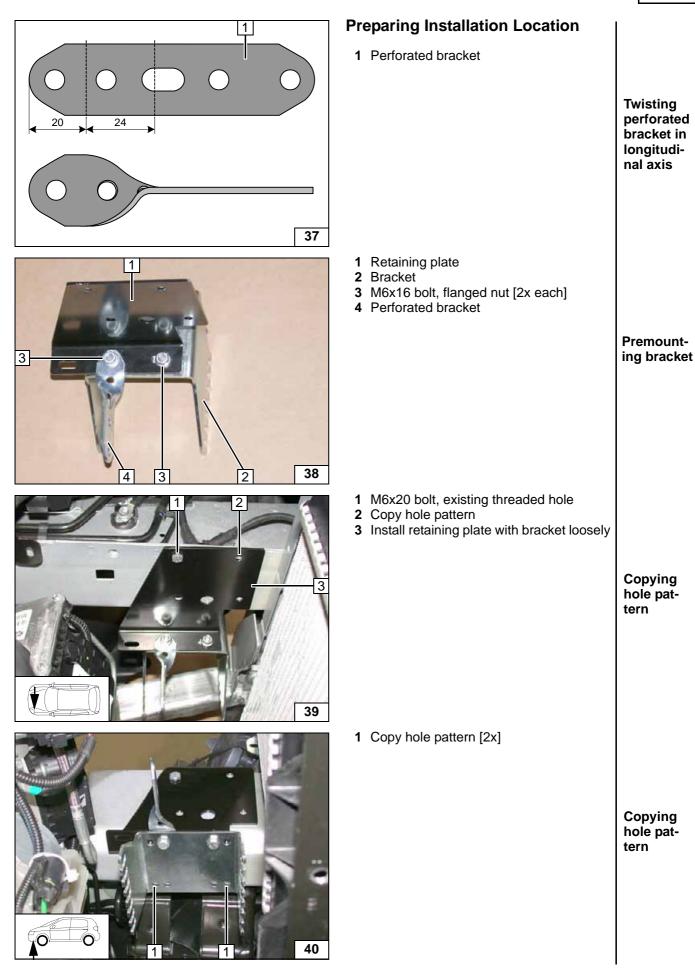


Installing receiver

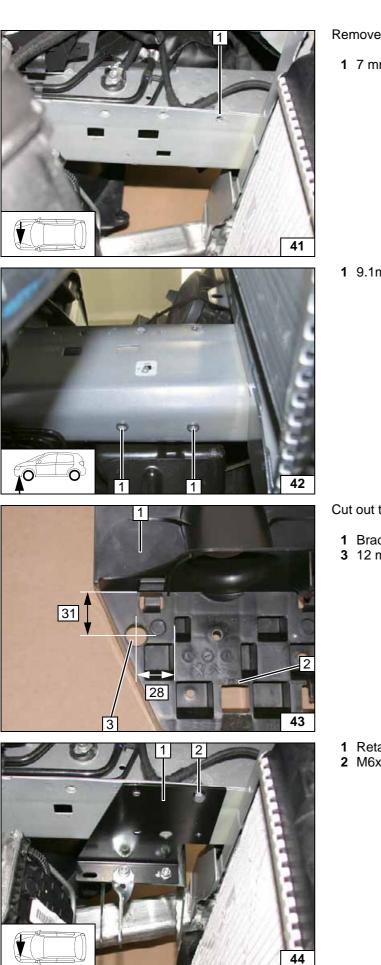
1 Antenna

Installing antenna









Remove retaining plate with bracket.

1 7 mm dia. hole

1 9.1mm dia. hole; rivet nut [2x each]

Cut out tab at position 2.

- 1 Bracket of air-intake pipe
- 3 12 mm dia. hole

- Retaining plate with bracket
 M6x20 bolt, flanged nut



Hole in frame side member

Installing rivet nut

Preparing bracket of air intake

pipe

Installing bracket



Installing bracket of air-intake pipe

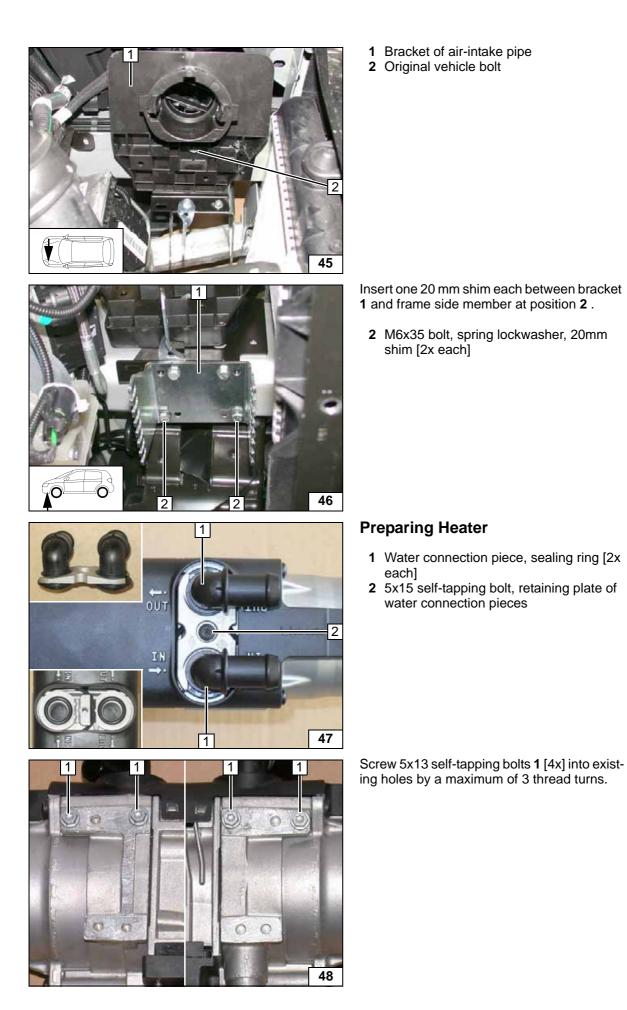
Installing bracket

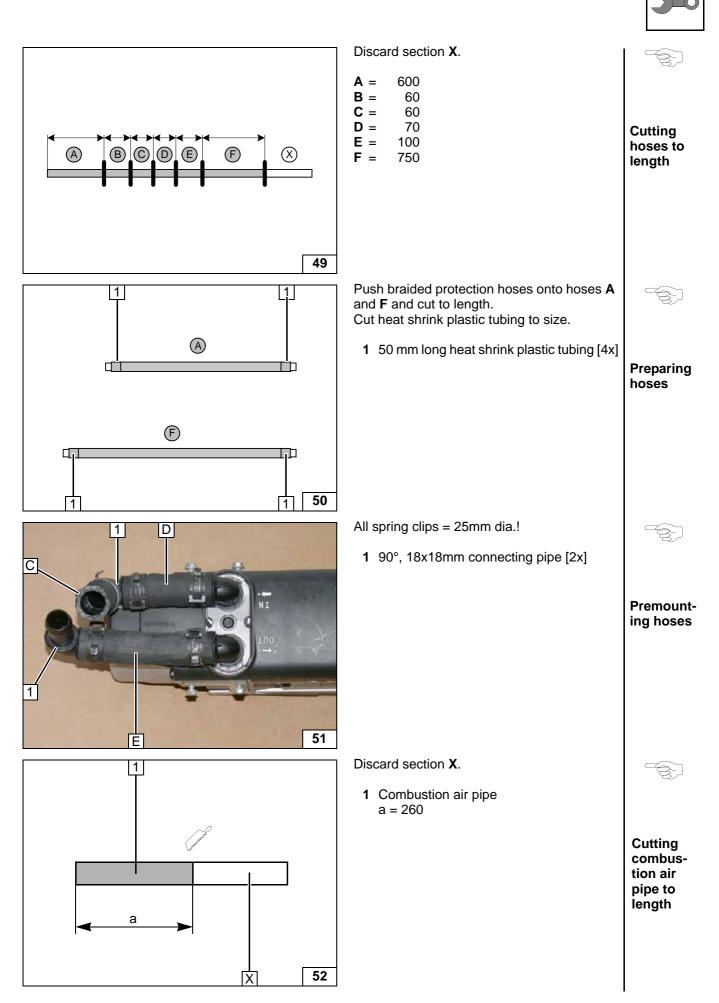
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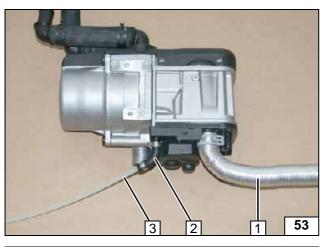
Installing water con-

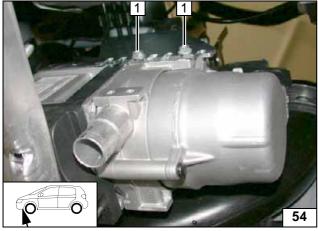
Premounting bolts loosely

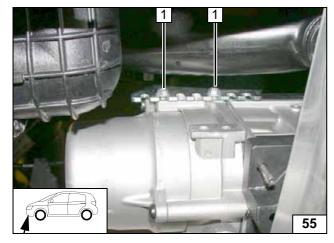
nection pieces











- Combustion air pipe
 90° moulded hose, 10mm dia. clamp [2x]
 Fuel line



Premounting heater

Installing Heater

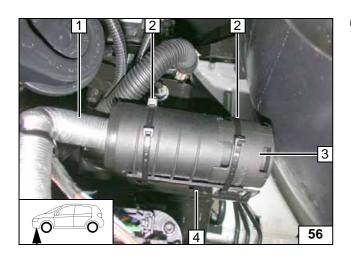
1 Tighten 5x13 self-tapping bolt [2x]

Installing heater

1 Tighten 5x13 self-tapping bolt [2x]

Installing heater





Combustion Air

- Combustion air pipe
 Cable tie [2x each]
 Silencer

- 4 Bracket



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Mounting silencer

Fuel

CAUTION!

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

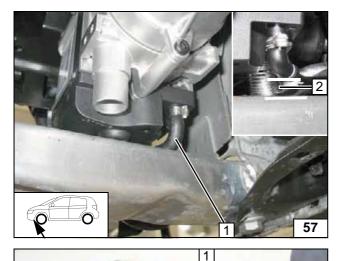
Catch any fuel running off in an appropriate container.

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!

1

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



Ensure freedom of movement between carrier and 90° moulded hose **1** at position **2** [min. 10mm], adjust if necessary.

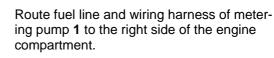




Checking freedom of movement of fuel hose

Route fuel line and wiring harness of meter-
ing pump into 2100mm, 10mm dia. corrugat-
ed tube 2 to the right vehicle side.

1 5mm dia. hole, cable tie [3x each]



Routing lines

Routing lines

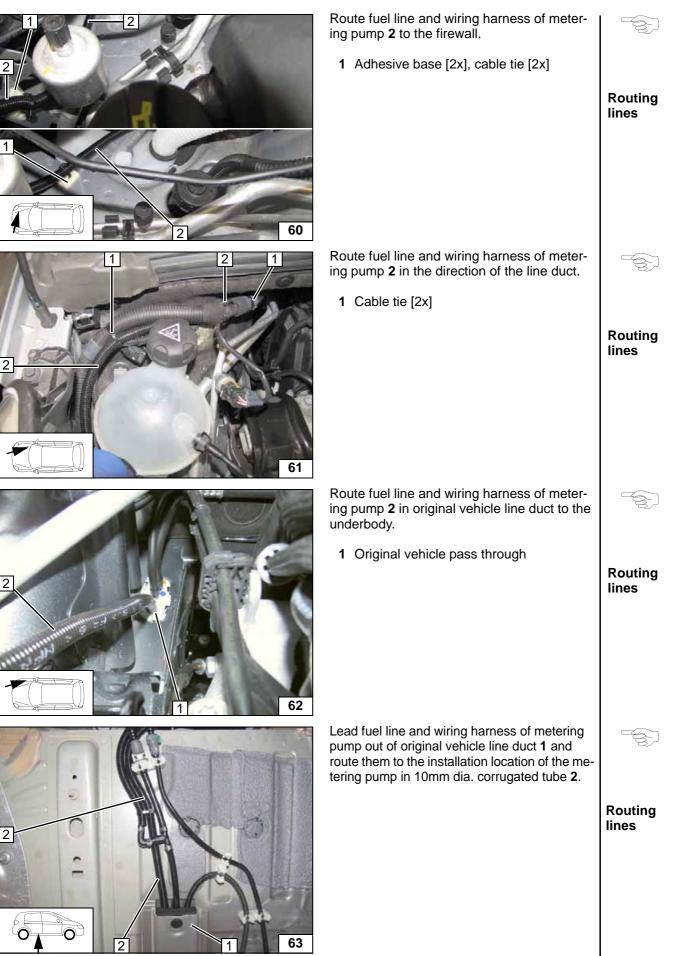


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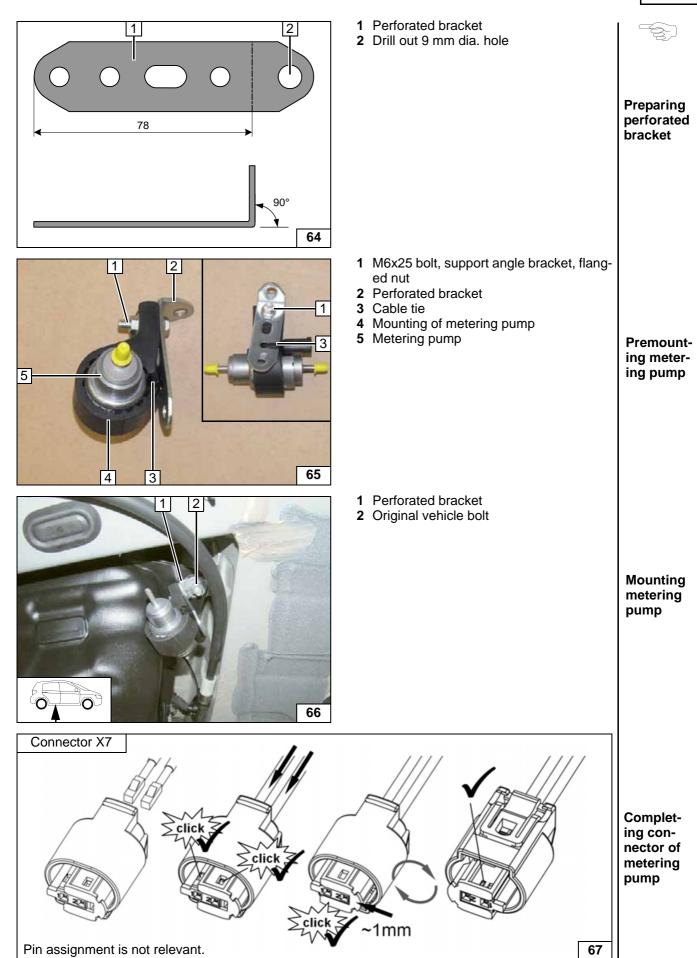
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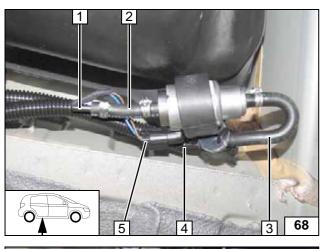












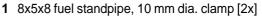
Route fuel line 4 to the fuel standpipe in 10mm dia. corrugated tube.

- **1** Fuel line of heater
- 2 Hose section, 10mm dia.clamp [2x]3 180° moulded hose, 10mm dia. clamp [2x]
- 5 Wiring harness of metering pump, connector mounted



Connecting metering pump

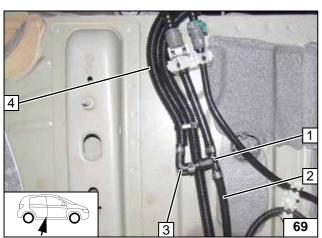
Cut off fuel supply line 2 at position 1 . Check the position of the components; adjust if necessary. Check that they have freedom of movement.



- **3** 90° moulded hose, fuel line, 10mm dia. clamp [2x]
- 4 Fuel line in corrugated tube



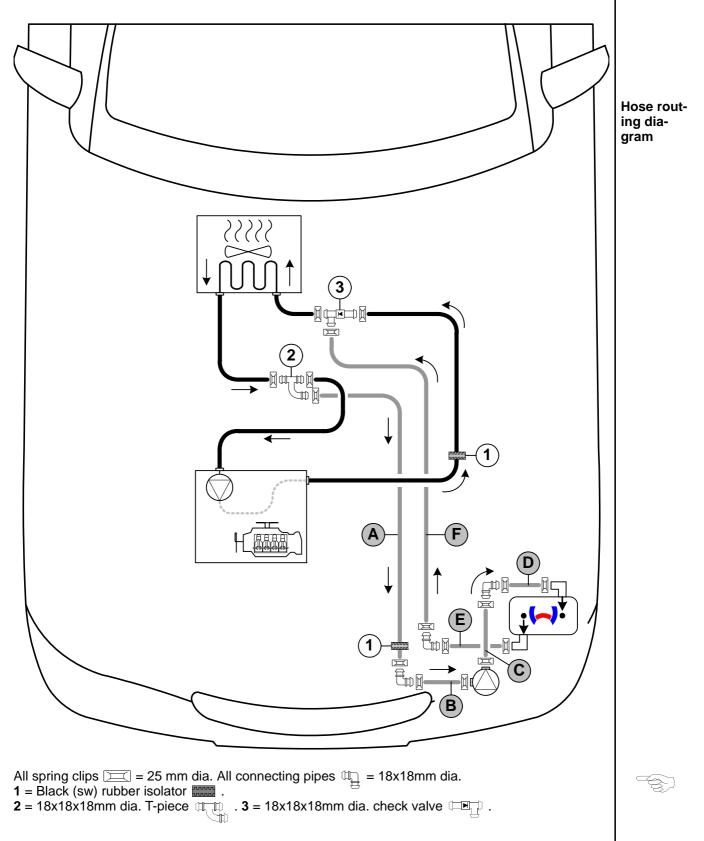
Fuel extraction



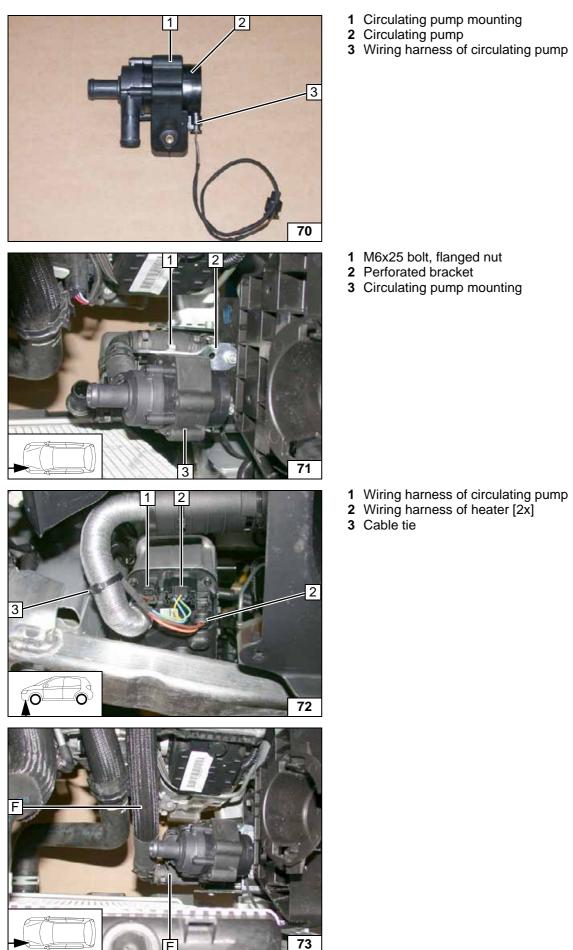
Coolant Circuit

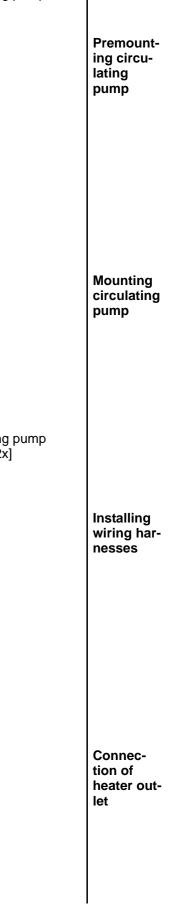
WARNING!

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



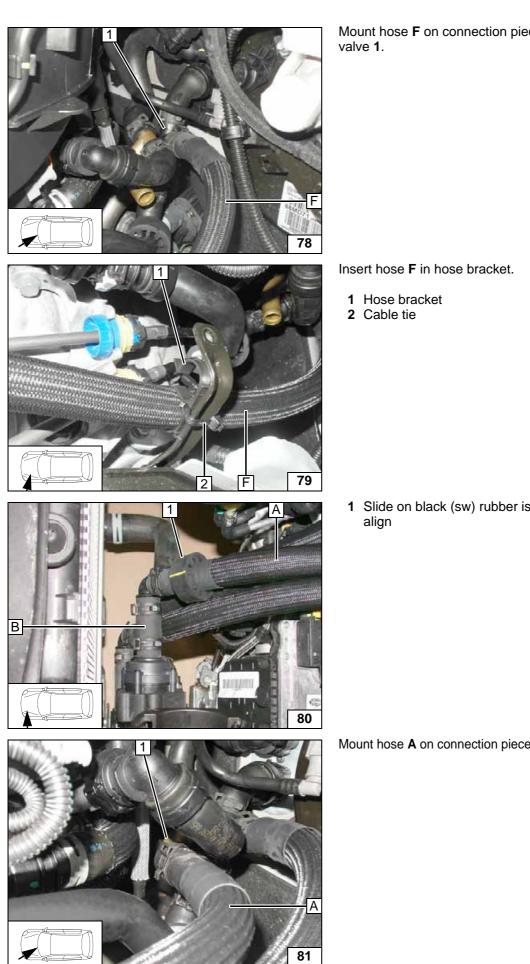








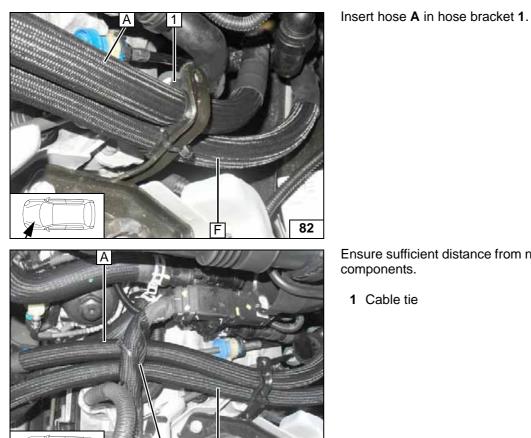
		Routing in engine compart- ment
	Cut off hose on engine outlet / heat exchang- er inlet and hose on engine inlet / heat ex- changer outlet at the markings.	
	 Hose section of heat exchanger outlet Hose section of heat exchanger inlet Hose section of engine outlet Hose section of engine inlet 	Cutting point
	Slide on black (sw) rubber isolator 3 and align with gearshift cable.	
ALDAL	 Hose section of heat exchanger inlet Check valve 	
	4 Hose section of engine outlet	Mounting check valve
	Align 90° connection piece 4 as shown.	
	 Hose section of heat exchanger outlet T-piece Hose section of engine inlet 	
	- -	Mounting T-piece





	•
Nount hose F on connection piece of check valve 1 .	
	Mounting hose F
nsert hose F in hose bracket. 1 Hose bracket	
2 Cable tie	Desisting a in
	Routing in engine compart- ment
1 Slide on black (sw) rubber isolator and align	
	Connect- ing circu- lating pump
Nount hose A on connection piece of T-piece 1 .	
	Installing hose A

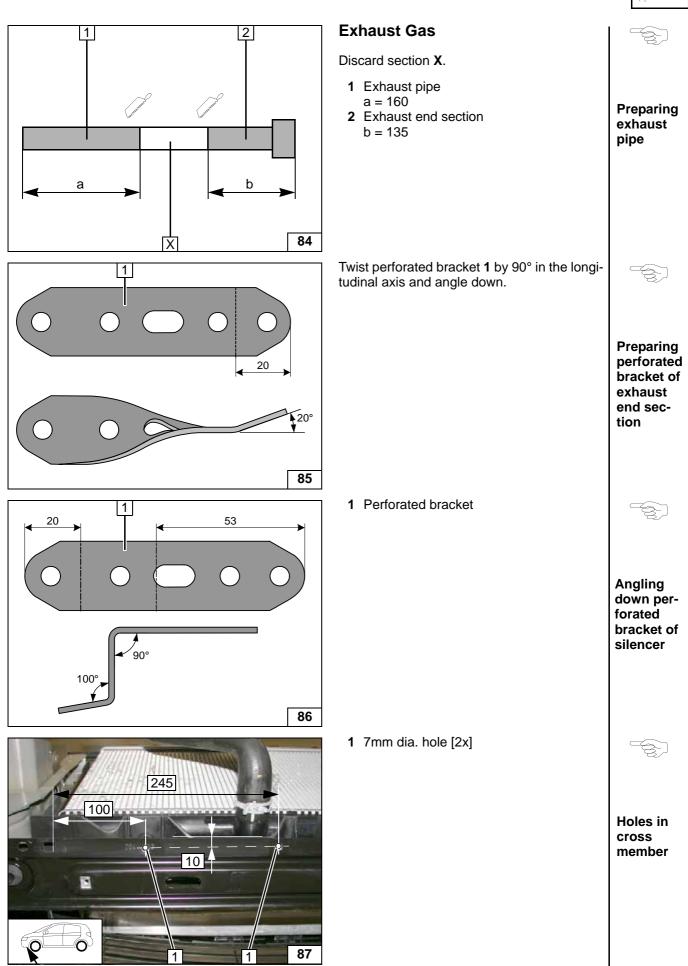


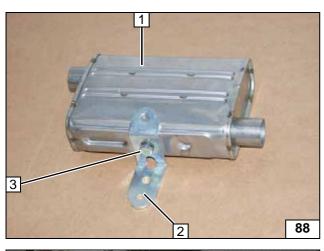


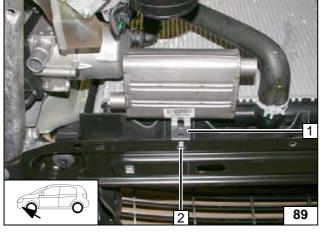
Routing in engine compart-ment Ensure sufficient distance from neighbouring components. 1 Cable tie Aligning hoses

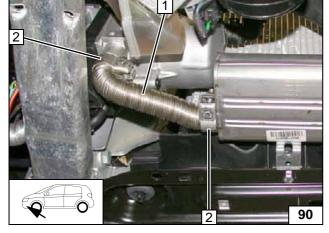
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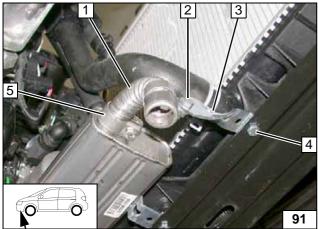




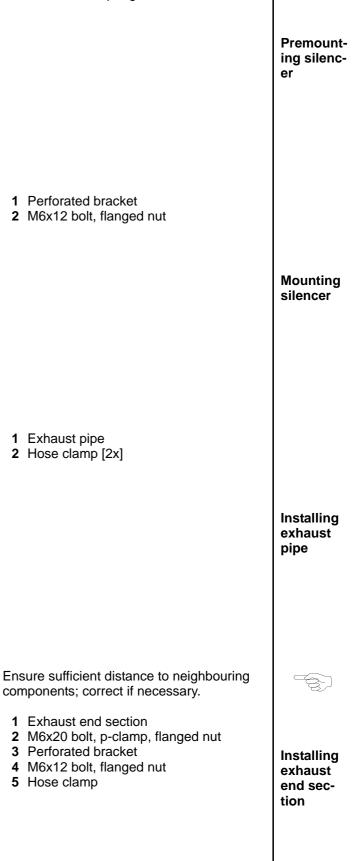








- 1 Silencer
- 2 Perforated bracket
- 3 M6x16 bolt, spring lockwasher



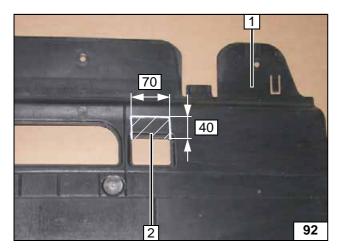
Final Work

WARNING!

Mount removed parts in reverse order. Check all hoses, clamps and all electrical connections for firm seating. Insulate all loose wires 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.
- Adjust digital timer, teach telestart transmitter.
- No settings needed on the A/C control panel
- Place the "Switch off parking heater before refuelling" caution label in the area of the filler neck.
- For initial startup and function check, please see installation instructions.



 When installing underride protection 1, ensure sufficient distance from silencer, adjust if necessary. Align exhaust end section 2 centrally in the recess of underride protection 1.

1 Underride protection

2 Discard section

Aligning exhaust end section

Webasto Thermo & Comfort SE Postfach 1410 82199 Gilching Germany Internet: www.webasto.com Technical Extranet: http://dealers.webasto.com







Cutting out underride protection



Operating Instructions for Manual Air-Conditioning

Please remove page and add to the vehicle operating instructions.

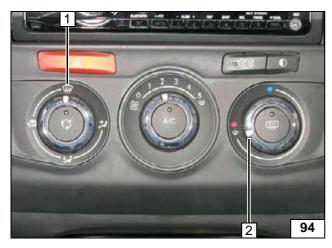
Note:

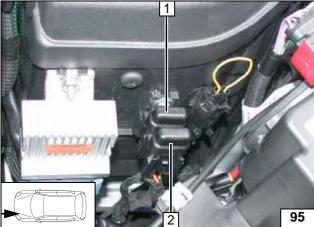
We recommend matching the heating time to the driving time. Heating time = driving time **Example:** For a driving time of approx. 20 min. (in one direction), we recommend not exceeding a switch-on time of 20 min.

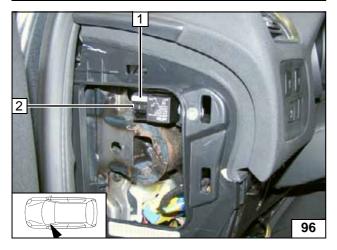
Passenger compartment monitoring, if installed, must be deactivated in addition to the vehicle settings for the heating operation.

For instructions on deactivation, please refer to the operating instructions of the vehicle.

Before parking the vehicle, make the following settings:







1 Air outlet onto windscreen2 Set temperature to "max."

1 30A main fuse F2

2 20A heater fuse F1

- 1 25A fan fuse F4
- 2 1A fuse of heater control F3



A/C control panel

Fuses of engine compartment

Fuses of passenger compartment



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Operating Instructions Automatic Air-Conditioning

Please remove page and add to the vehicle operating instructions.

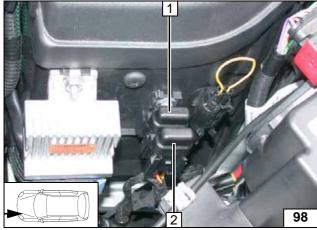
Note: We recommend matching the heating time to the driving time. Heating time = driving time Example: For a driving time of approx. 20 min. (in one direction), we recommend not exceeding a switch-on time of 20 min.

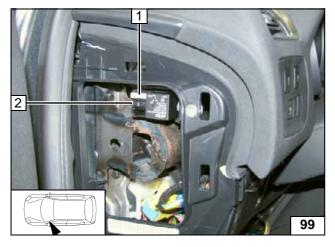
Passenger compartment monitoring, if installed, must be deactivated in addition to the vehicle settings for the heating operation.

For instructions on deactivation, please refer to the operating instructions of the vehicle.

Before parking the vehicle, make the following settings:







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

A/C control panel

- 1 30A main fuse F2
- 2 20A heater fuse F1

Fuses of engine compartment

- 1 25A fan fuse F4
- 2 1A fuse of heater control F3
- Fuses of passenger compartment