

Thermo Top Evo Parking Heater



Installation Documentation Citroen C3

Validity

Manufacturer	Model	Туре	EG-BE No. / ABE
Citroen	C3	A51	e2 * 2007 / 46 * 0003 *

Model year from 2010 up to 2012:

Motorisation	Fuel	Transmission type	Output in kW	Displacement in cm ³	Engine code
1.6 HDI 90 FAP	Diesel	SG	68	1560	9H06
1.6 HDI 90 FAP 99g	Diesel	SG	68	1560	9H06

SG = Manual transmission

Verified equipment variants: Manual air-conditioning / Manual air-conditioningautomatic air-conditioning Front fog lightsManual air-conditioning

From model year 2013:

Motorisation	Fuel	Transmission type	Output in kW	Displacement in cm ³	Engine code
1.0 VTi 68	Petrol	SG	50	999	ZM01
1.2 VTi 82	Petrol	SG	60	1199	HM01
1.6 VTi 120	Petrol	SG	88	1598	5F01

From model year 2014:

Motorisation	Fuel	Transmission type	Output in kW	Displacement in cm ³	Engine code
1.6 eHDI 90	Diesel	SG	68	1560	9H06

SG = Manual transmission

Verified equipment variants: Manual air-conditioning

	Front fog lightsManual air-conditioning Manual air-conditioningLED daytime running lights Start - Stop
Not verified:	Automatic air-conditioning

Left-hand drive vehicle

Total installation time: approx. 10 hours

Citroen C3

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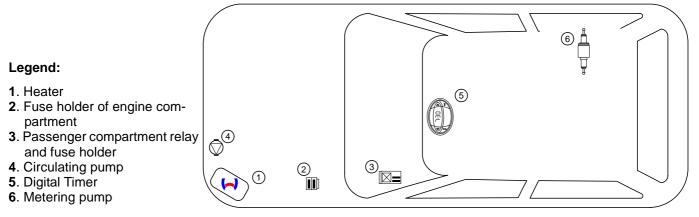
Necessary Components

- Basic delivery scope of Thermo Top Evo based on price list
- Installation kit for Citroen C3 2010 Petrol and Diesel: 1316207D
- To be ordered additionally in case of automatic air-conditioning: Citroen C3 1316209A automatic air-conditioning kit
- 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 ¼ full!
- The installation location of the push button in 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, lead ing to serious injury or death.



To install and repair Webasto heating and cooling systems you need to have completed a special company training course and have the appropriate technical documentation, special tools and special equipment.

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 an IPCU, the corresponding settings must be checked or adjusted before the installation.

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 gas 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 C3

Information on Validity

This installation documentation applies to Citroen C3 diesel vehicles from model year 2010 up to 2012 and 2014 as well as Citroen C3 petrol vehicles from model year 2013 and later - for validity, see page 1 - , 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.

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

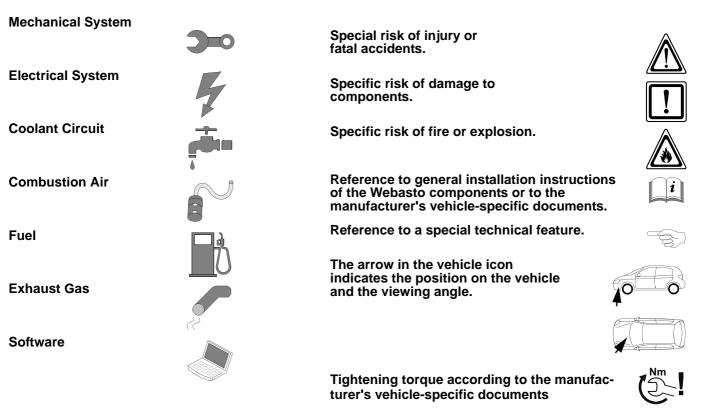
• All dimensions in mm.

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:



Citroen C3

Preliminary Work

Vehicle

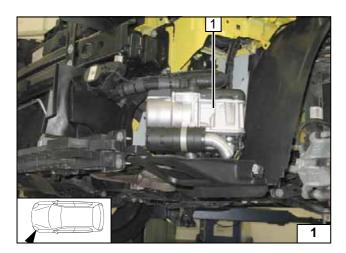
- Open the fuel tank cap.
- Ventilate the fuel tank.
- Close the fuel tank cap again.
- Depressurise the cooling system.
- Disconnect and completely remove the battery with carrier.
- Detach the control unit and put it aside.
- Remove the air filter together with the intake hose (petrol only).
- Remove the charge-air tube (diesel only).
- Detach the wheel well trim on the right and left.
- Remove the bumper trim.
- Remove the right-hand underbody trim.
- Remove the front underride protection.
- Remove the left-hand headlight.
- Remove the instrument panel trim in the footwell on the driver's side.
- Detach the central switching unit (BSI) on the driver's side and lay it aside.
- Remove the instrument panel trim on the left (only with Telestart T100 HTM).
- Remove the radio / A/C control panel according to the manufacturer's instructions (only with automatic A/C).

The following work should only be performed during the corresponding installation sequence:

- Fold the rear bench seat (up to MY 2013)
- Remove the rear bench seat (from MY 2014)
- Open the right-hand tank-fitting service lid.
- Remove the fuel-tank sending unit in accordance with the manufacturer's instructions.

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

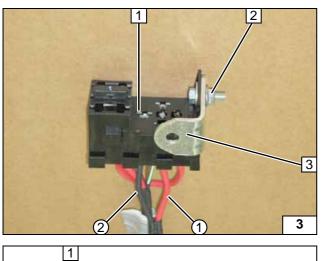
Installation location up to MY 2013

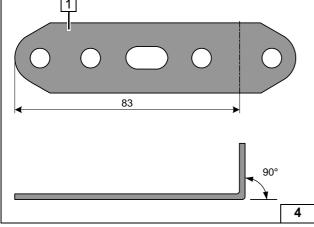
1 Heater

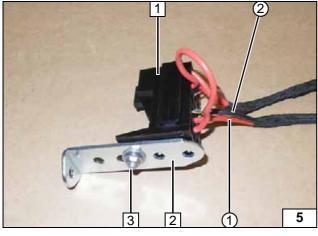
Installation location from MY 2014

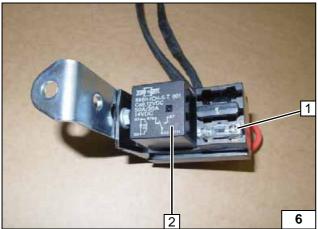








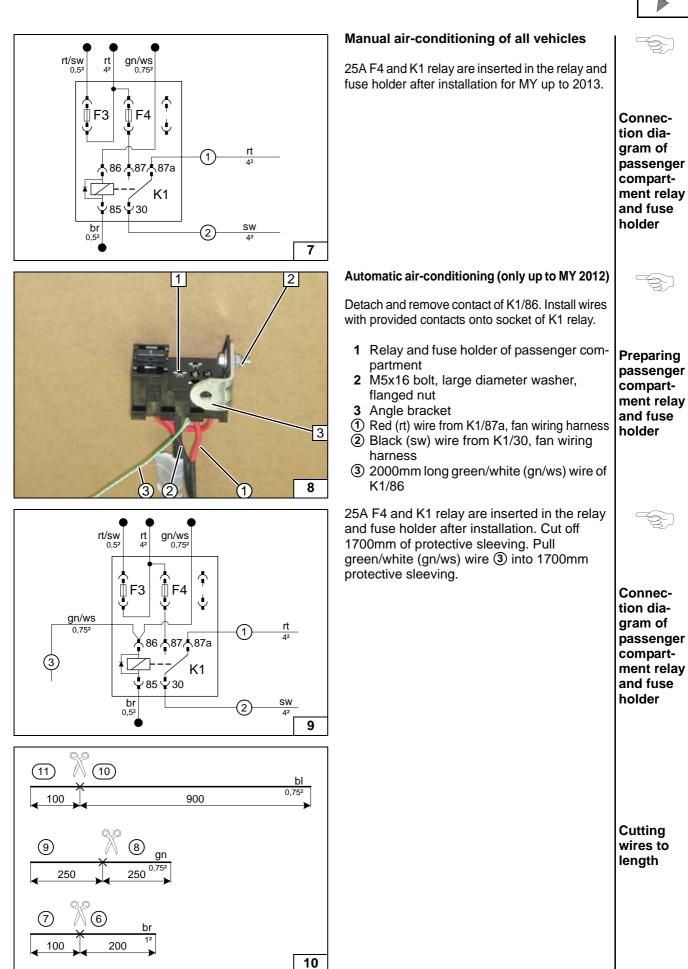




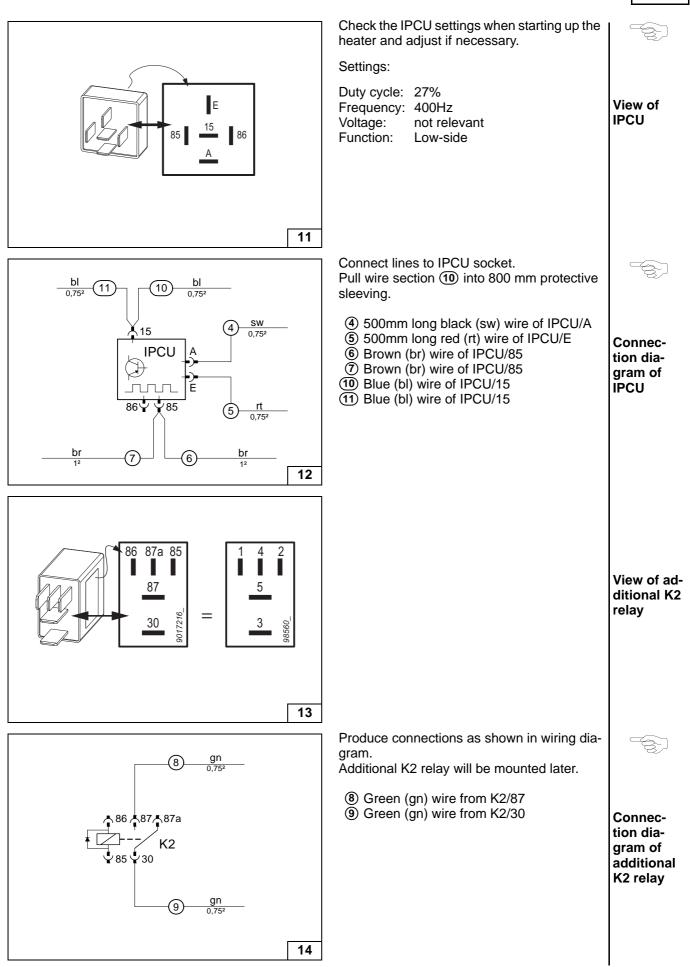
Wire sections retain their numbering throughout the entire document. Manual air-conditioning up to MY 2013 Preparing 1 Relay and fuse holder of passenger compassenger partment compart-2 M5x16 bolt, large diameter washer, ment relay flanged nut and fuse 3 Angle bracket holder 1 Red (rt) wire from K1/87a, fan wiring harness 2 Black (sw) wire from K1/30, fan wiring harness Manual air-conditioning from MY 2014 1 Perforated bracket Preparing perforated bracket 1 Relay and fuse holder of passenger compartment 2 Angle bracket 3 M5x16 bolt, large diameter washer, flanged nut 1 Red (rt) wire from K1/87a, fan wiring har-Preparing ness passenger ② Black (sw) wire from K1/30, fan wiring compartharness ment relay and fuse holder 1 25A fuse F4 2 K1 relay Preparing passenger compartment relay and fuse holder

Preparing Electrical System









Electrical System

Positive and earth wire up to MY 2013

- 1 Positive wire on original vehicle positive support point
- 2 Earth wire on original vehicle earth support point

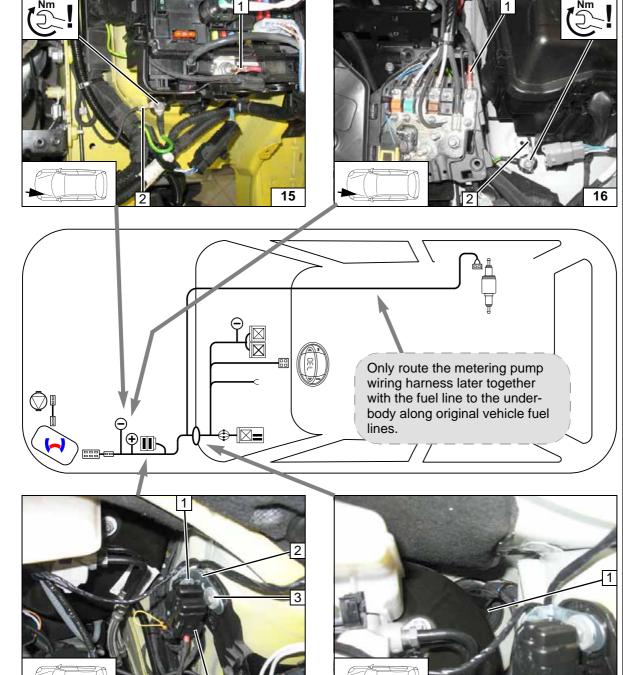
Positive and earth wire from MY 2014

- 1 Positive wire on original vehicle positive support point
- 2 Earth wire on original vehicle earth support point





Wiring harness routing diagram



17

4 F1-2 fuses mounted

2 Angle bracket

Fuse holder of engine compartment

plate of fuse holder, flanged nut

ameter washer, flanged nut

1 M5x16 bolt, large diameter washer, retaining

3 Retaining clip removed, M6x20 bolt, large di-

partment

1 Protective rubber plug

18

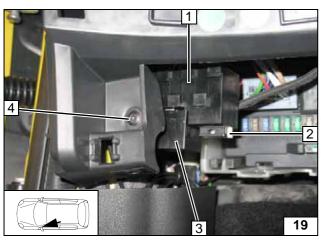
Wiring harness pass through to engine com-

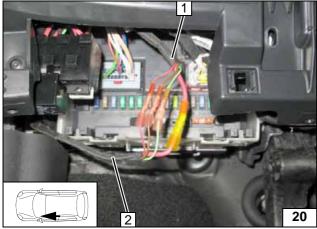


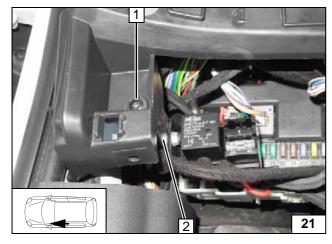
Mounting

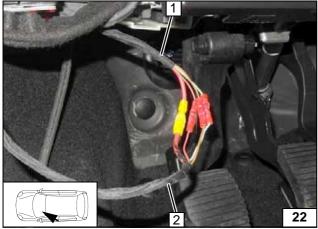
compartment relay and fuse holder

passenger









Up to MY 2013

Install angle bracket on original vehicle bolt 4.

- 1 Relay and fuse holder of passenger compartment
- 2 F4 fuse inserted
- 3 K1 relay mounted

- 1 Wiring harness of passenger compartment relay and fuse holder
- 2 Wiring harness of heater
- Connecting wiring harnesses using same colour wires

From MY 2014

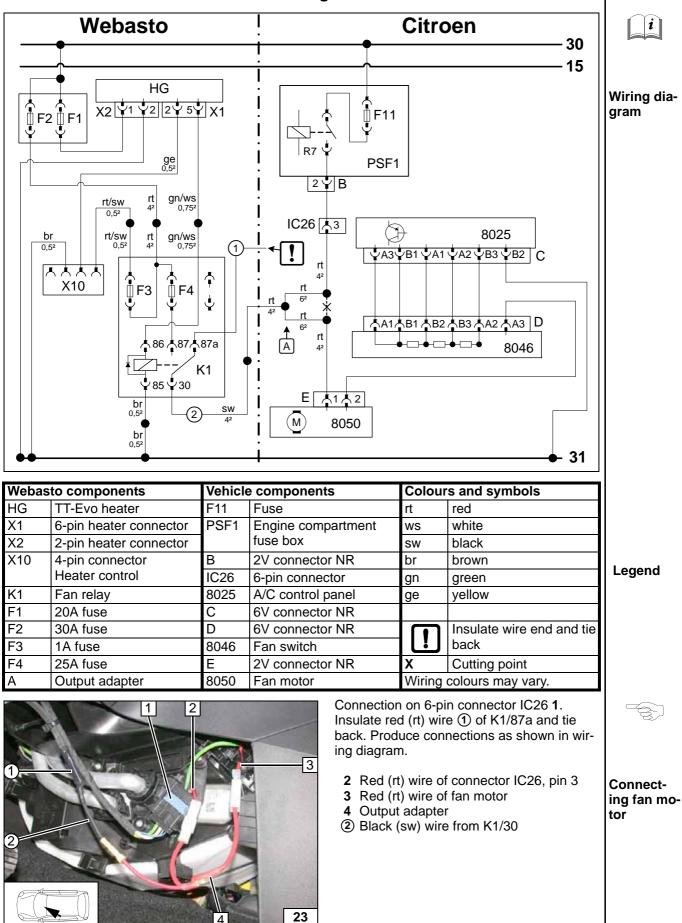
- 1 Original vehicle bolt
- 2 Perforated bracket

- Mounting passenger compartment relay and fuse holder
- 1 Wiring harness of passenger compartment relay and fuse holder
- 2 Wiring harness of heater

Connecting wiring harnesses using same colour wires



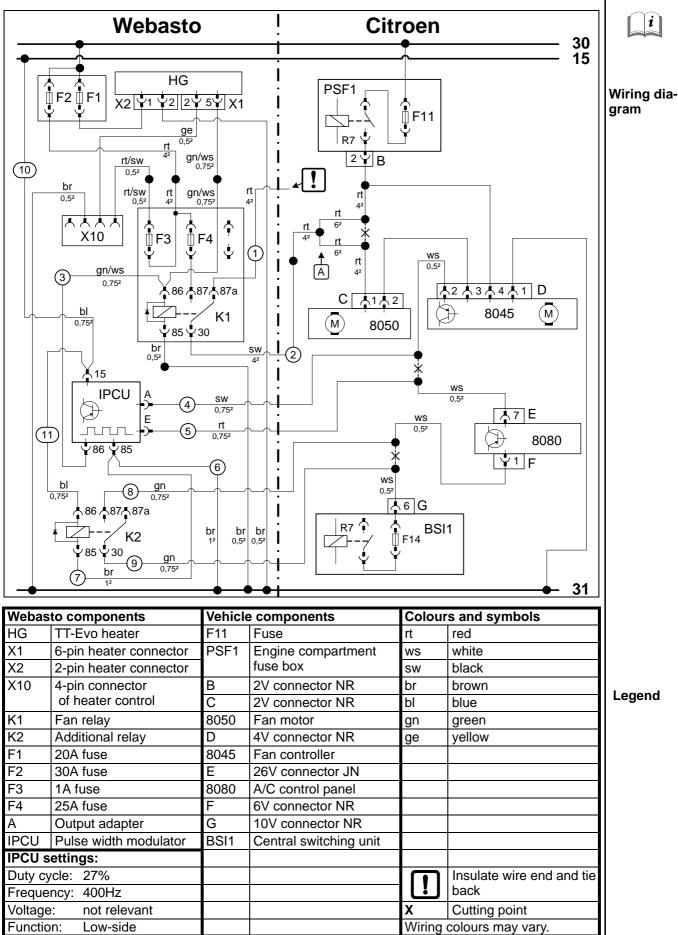
Fan Controller for Manual Air-Conditioning



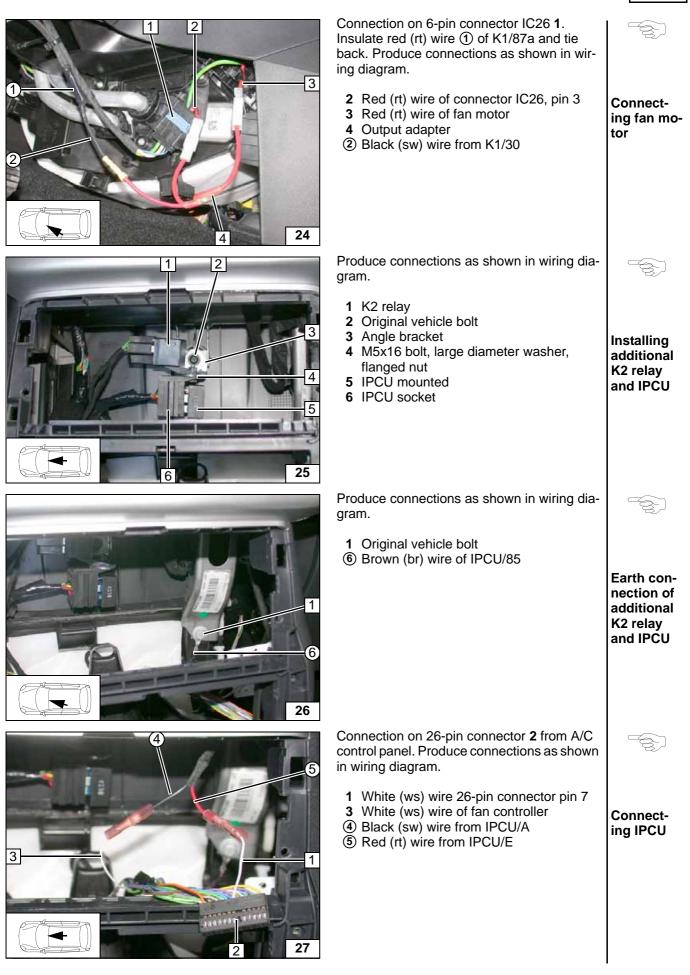
Citroen C3



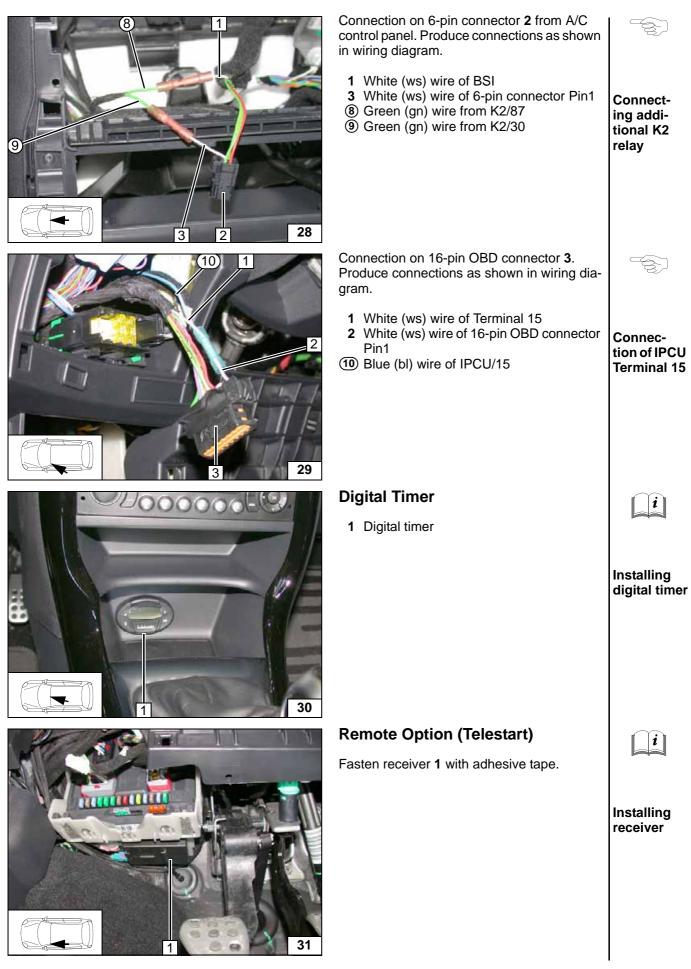
Fan Controller for Automatic A/C (up to MY 2012)



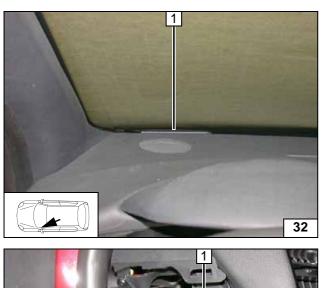




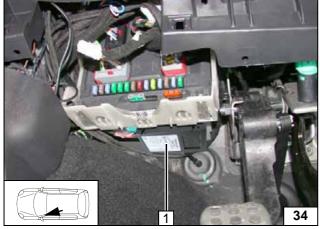


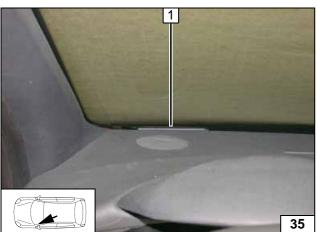












1 Antenna



Installing antenna

Temperature sensor T100 HTM

Fasten temperature sensor 1 behind instrument panel trim at left with adhesive tape.



Installing temperature sensor

Remote Option (Thermo Call TC3)

Fasten receiver 1 with adhesive tape.

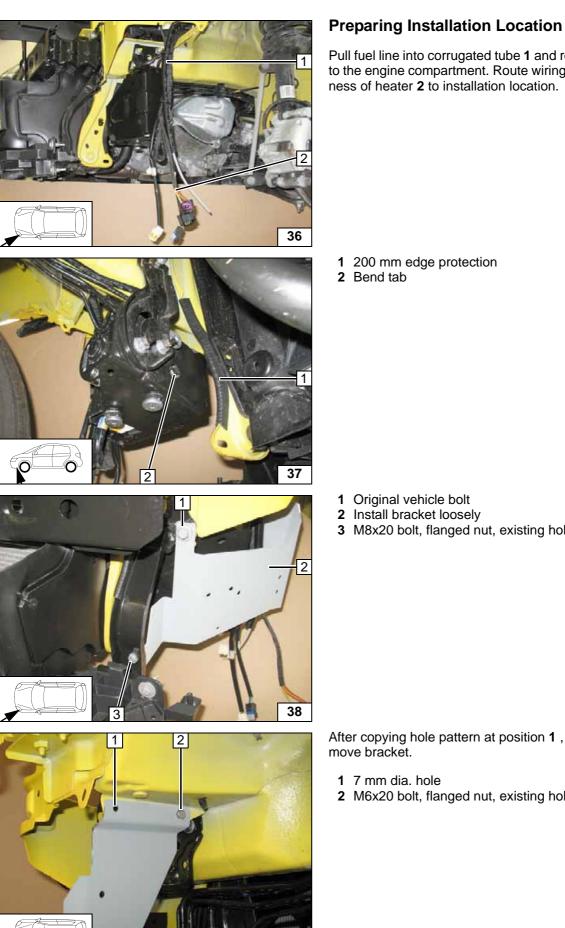
Installing receiver

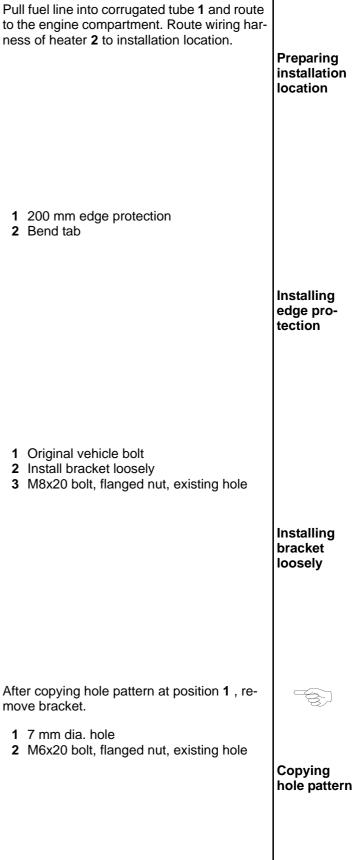
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1 Antenna

Installing antenna







39



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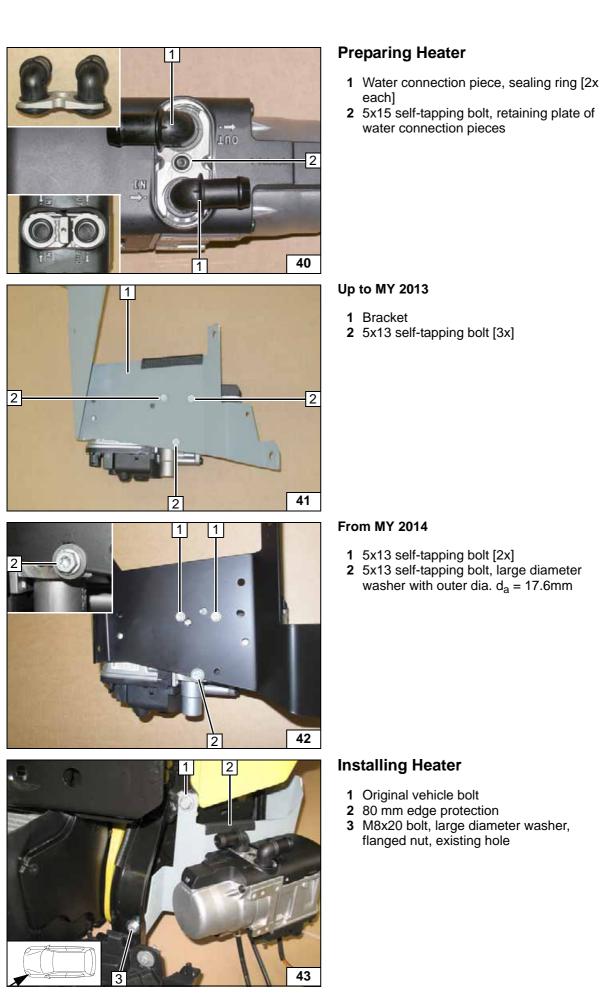
Installing water con-

nection pieces

Premounting heater

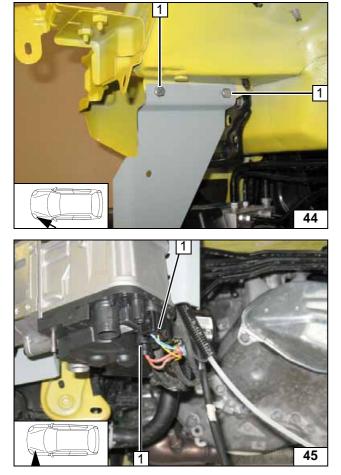
Premounting heater

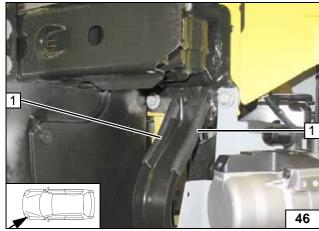
Mounting heater



© Webasto Thermo & Comfort SE 17







1 M6x20 bolt, flanged nut [2x each]

Mounting heater

1 Wiring harness of heater [2x]

Installing wiring harness

1 90mm edge protection [2x]

Installing edge protection

Fuel

CAUTION!

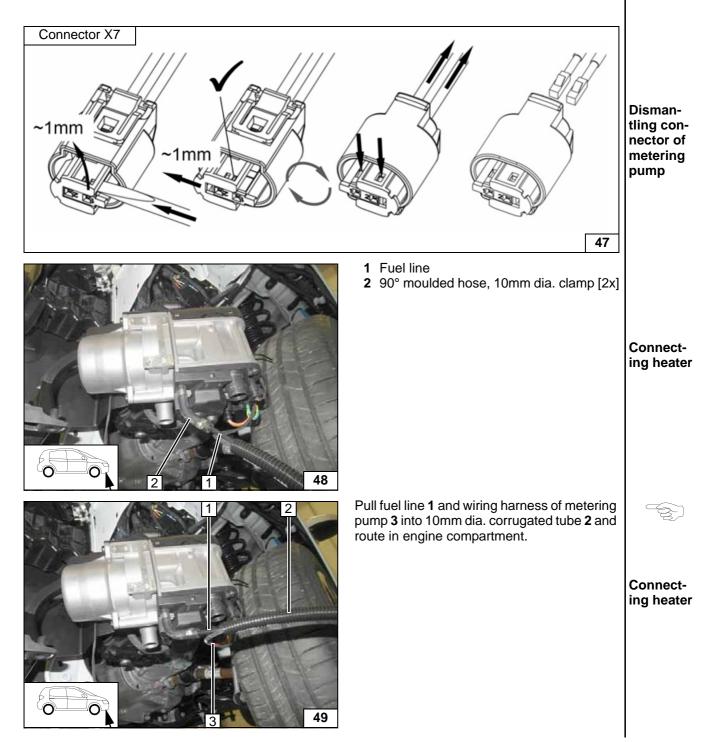
Open the vehicle's fuel tank cap, ventilate the tank and then re-close the tank lock.

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. Provide rub protection for fuel line and wiring harness in areas where there are sharp edges.

WARNING!

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

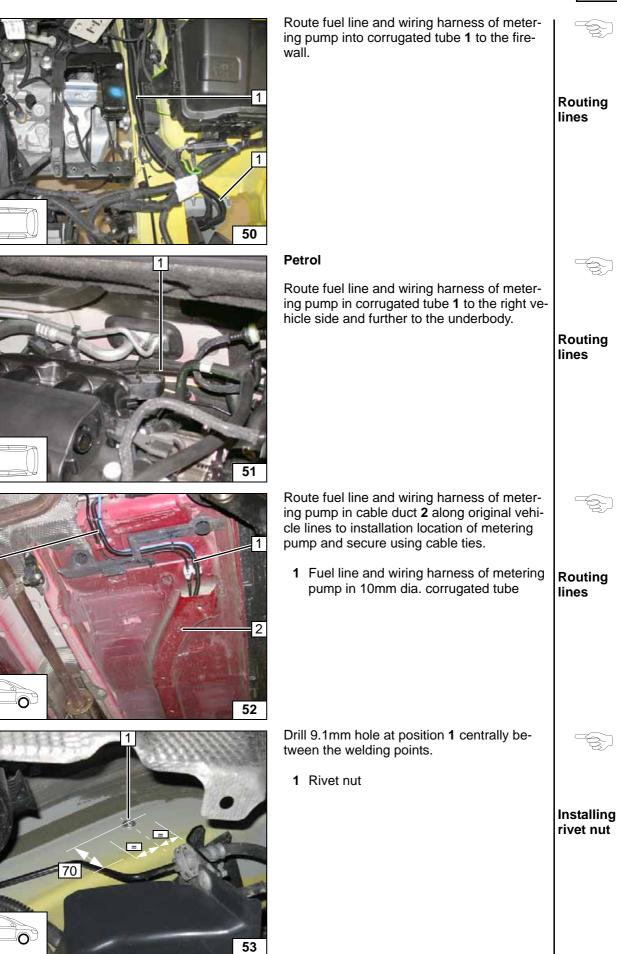






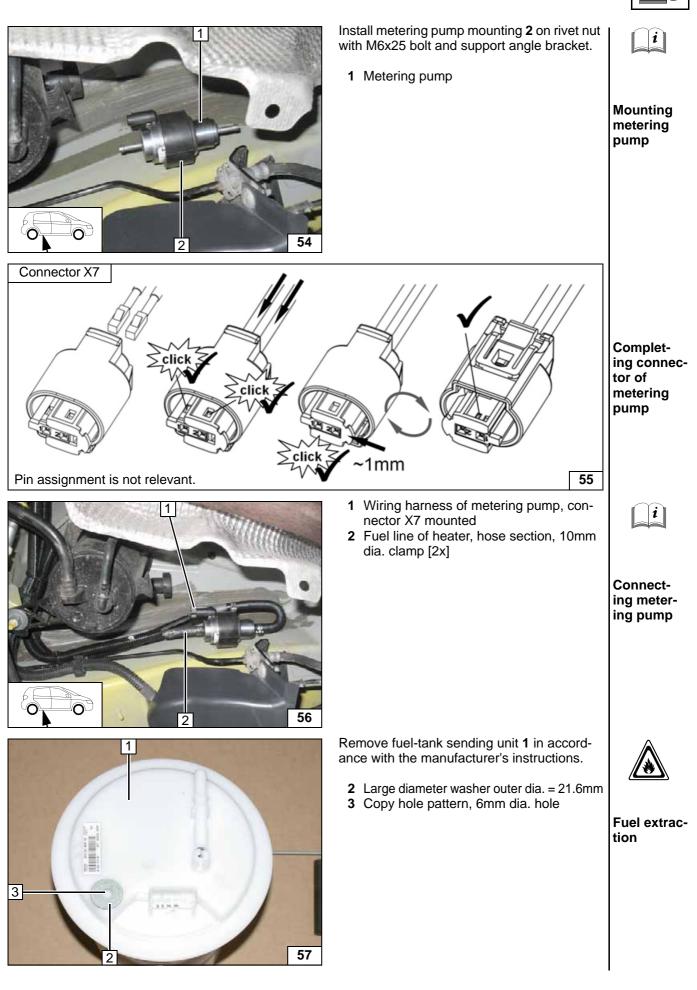




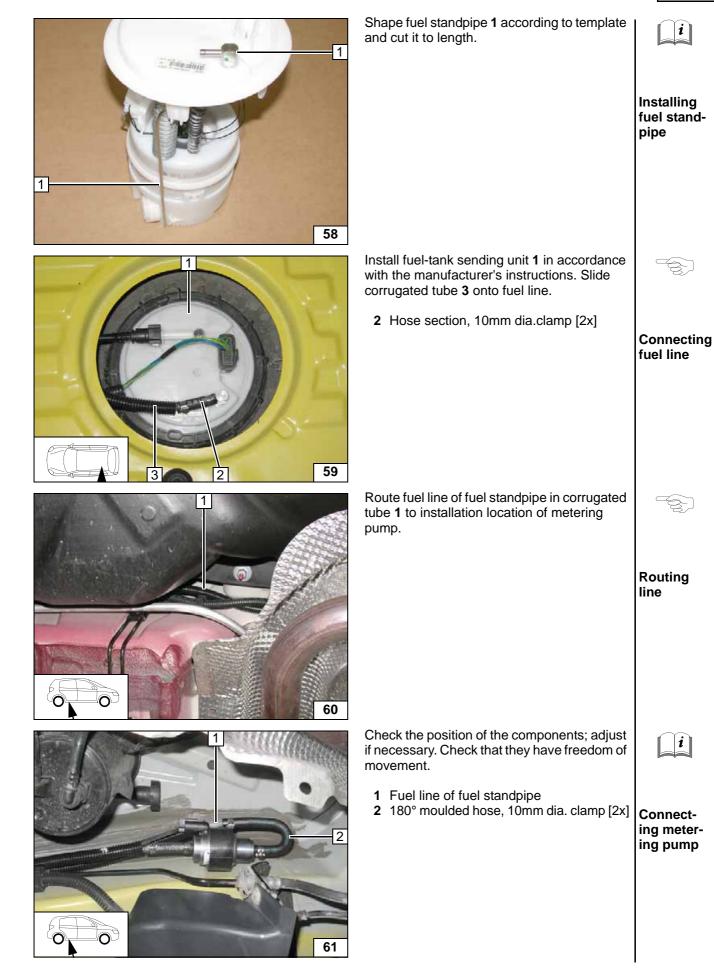


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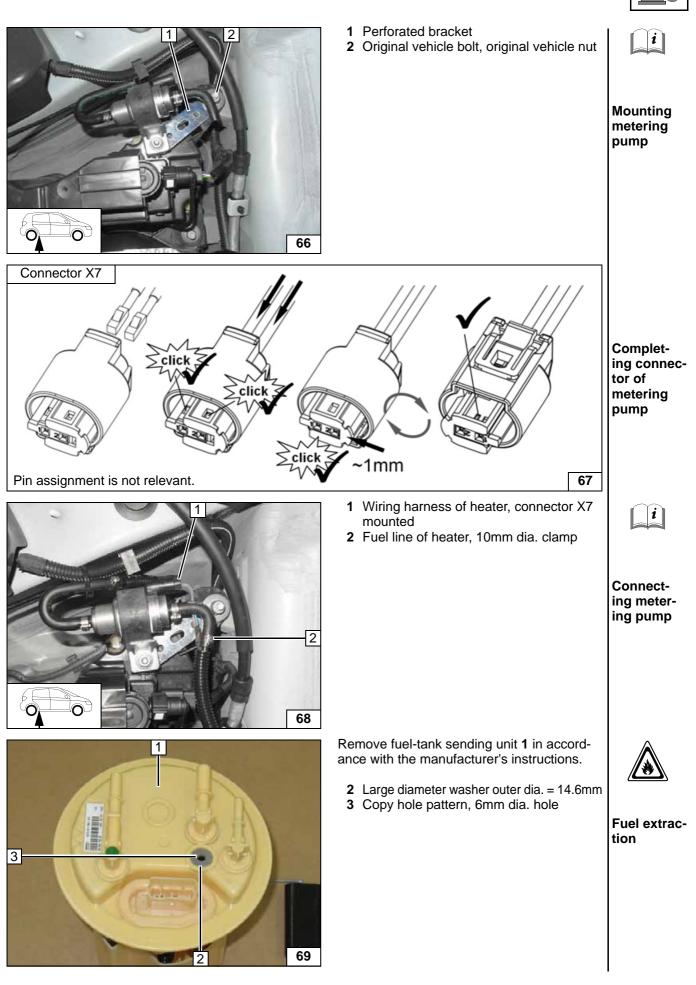






50	Diesel	
	Route fuel line and wiring harness of meter- ing pump behind the insulation mat to the right vehicle side.	
	1 Fuel line and wiring harness of metering pump in corrugated tube	Routing lines
1	Route fuel line and wiring harness of meter- ing pump 1 in original vehicle line duct 3 to the underbody.	
2	2 Cable tie	Routing
		lines
	Route fuel line and wiring harness of meter- ing pump in cable duct 2 along original vehi- cle lines to installation location of metering pump and secure using cable ties.	
	1 Fuel line and wiring harness of metering pump in 10mm dia. corrugated tube	Routing lines
	 Mounting of metering pump Metering pump 90° moulded hose, 10mm dia. clamp 	
3	4 Perforated bracket5 M6x25 bolt, support angle bracket, flanged nut	Durant
	6 180° moulded hose, 10mm dia. clamp	Premount- ing meter- ing pump



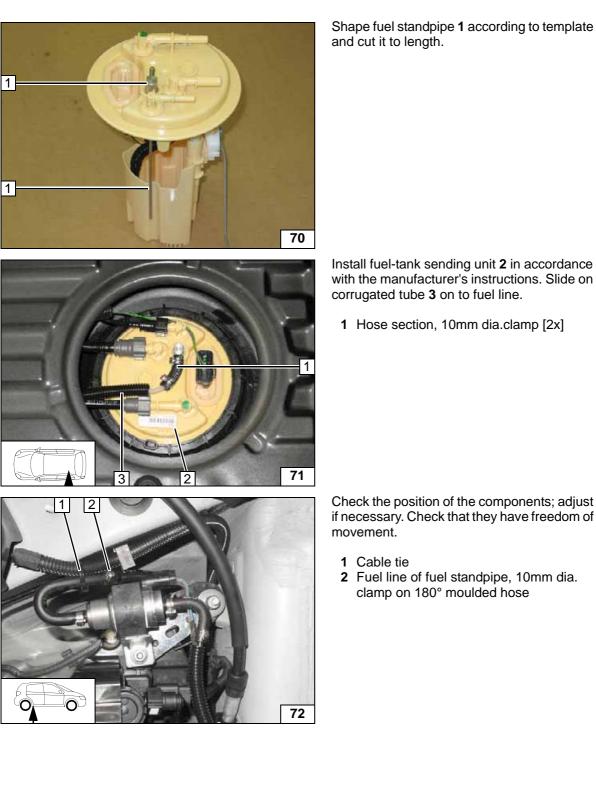




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Installing fuel stand-

pipe



Install fuel-tank sending unit ${\bf 2}$ in accordance with the manufacturer's instructions. Slide on corrugated tube **3** on to fuel line.

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

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

2 Fuel line of fuel standpipe, 10mm dia. clamp on 180° moulded hose



Connecting fuel line

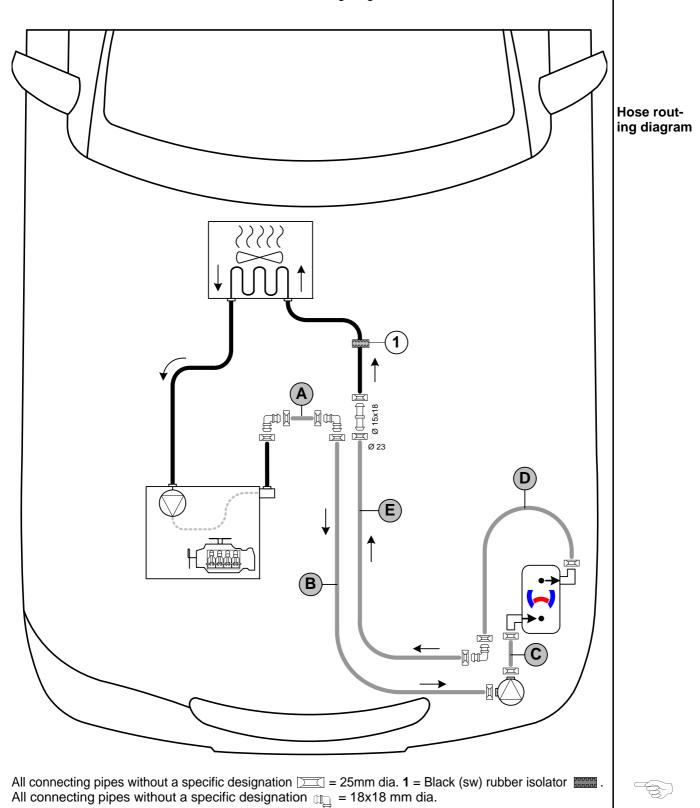
Connecting metering pump



Coolant Circuit Petrol

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 "inline" based on the following diagram:

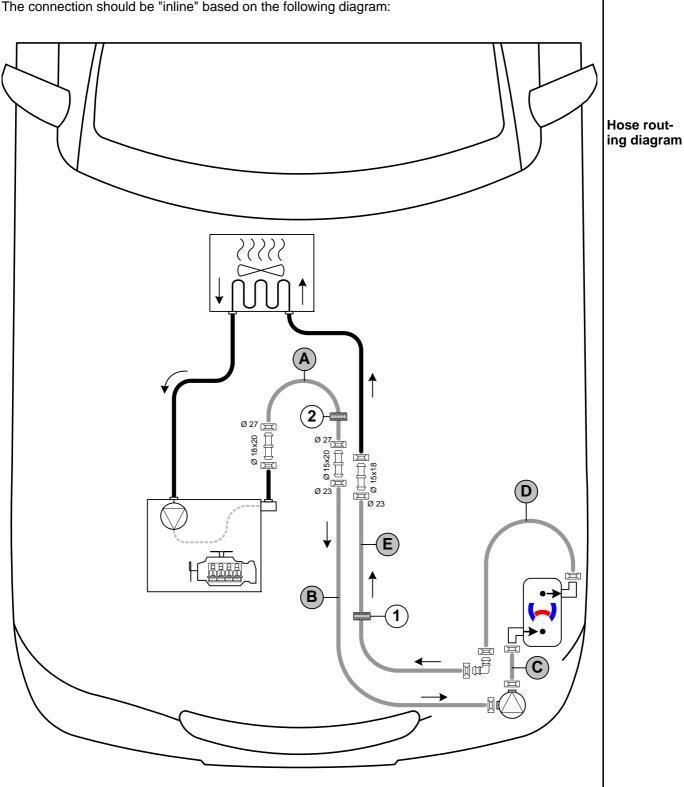




WARNING!

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 "inline" based on the following diagram:

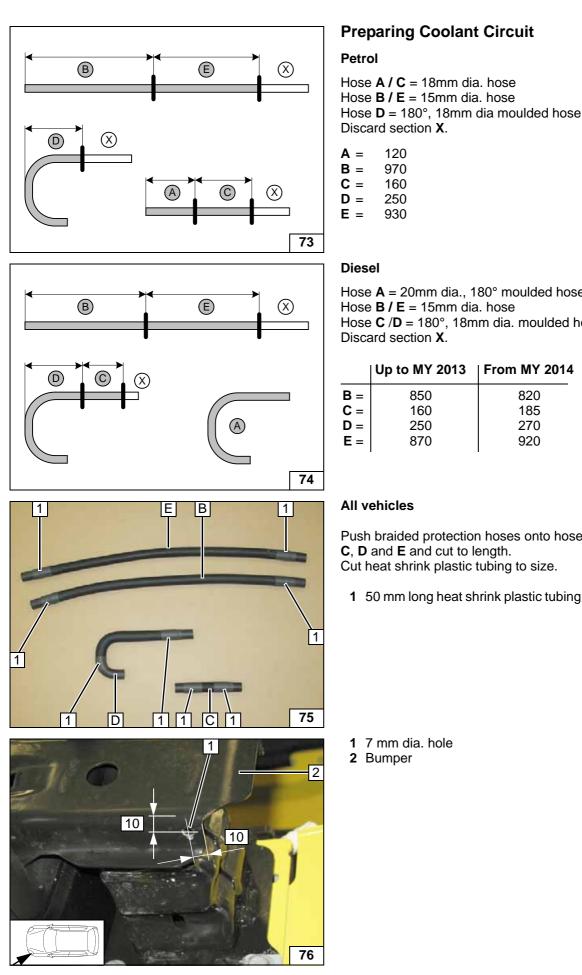




All connecting pipes without a specific designation $\square = 25$ mm dia. **1** = Black (sw) rubber isolator $\square = 18x18$ mm dia. **2** = Black (sw) rubber isolator $\square = 18x18$ mm dia.

Ident. No.: 1316544F_EN

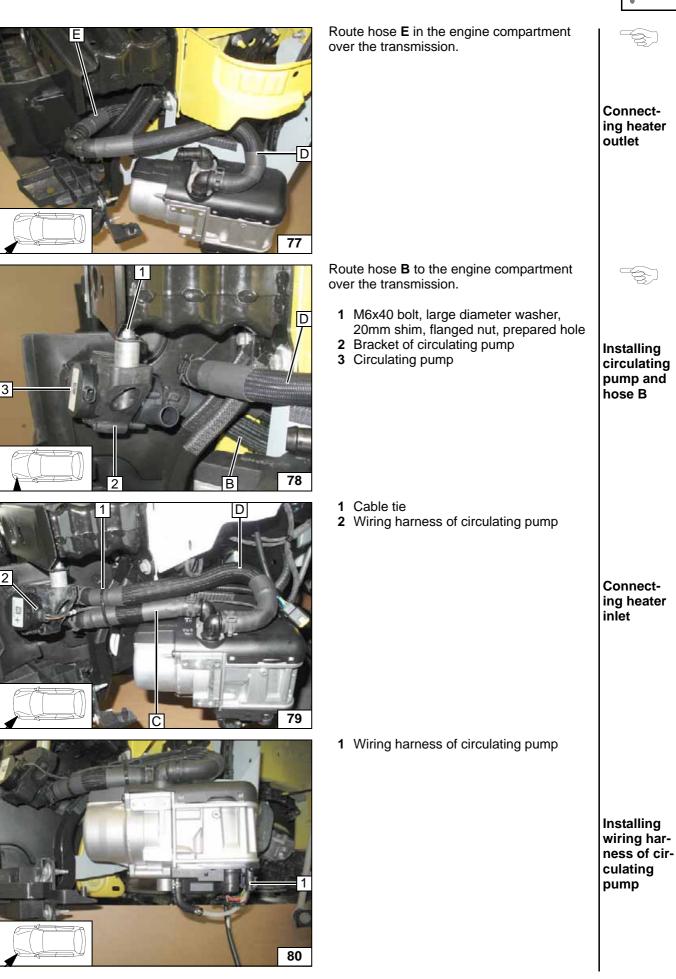




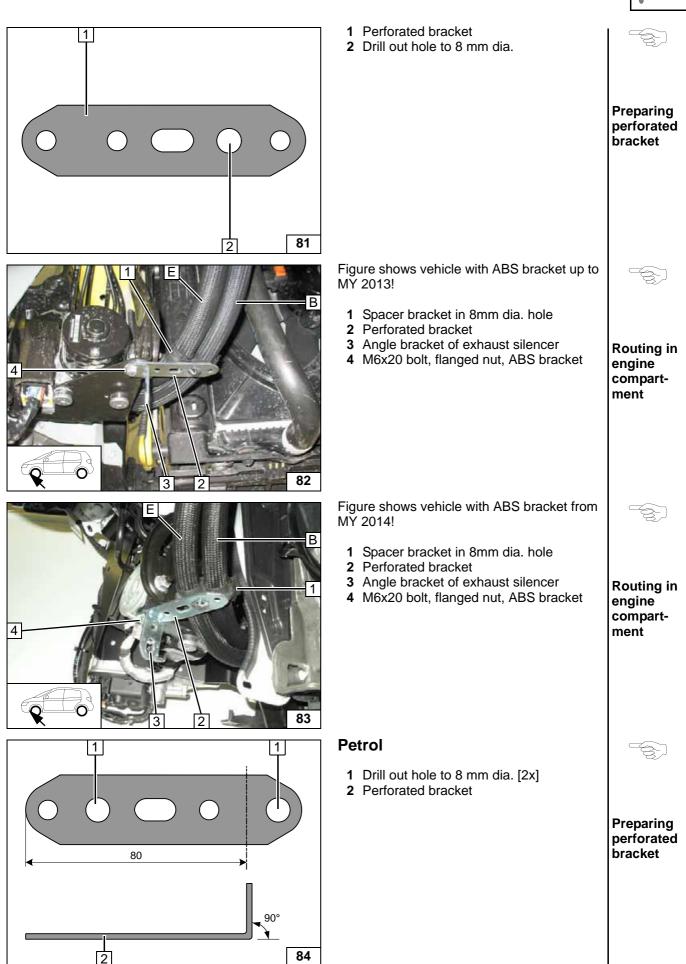
Cutting hoses to length Hose A = 20mm dia., 180° moulded hose Hose $C/D = 180^{\circ}$, 18mm dia. moulded hose Cutting hoses to From MY 2014 length 820 185 270 920 Push braided protection hoses onto hose B, Cut heat shrink plastic tubing to size. Preparing 1 50 mm long heat shrink plastic tubing [8x] hoses

> Hole in bumper









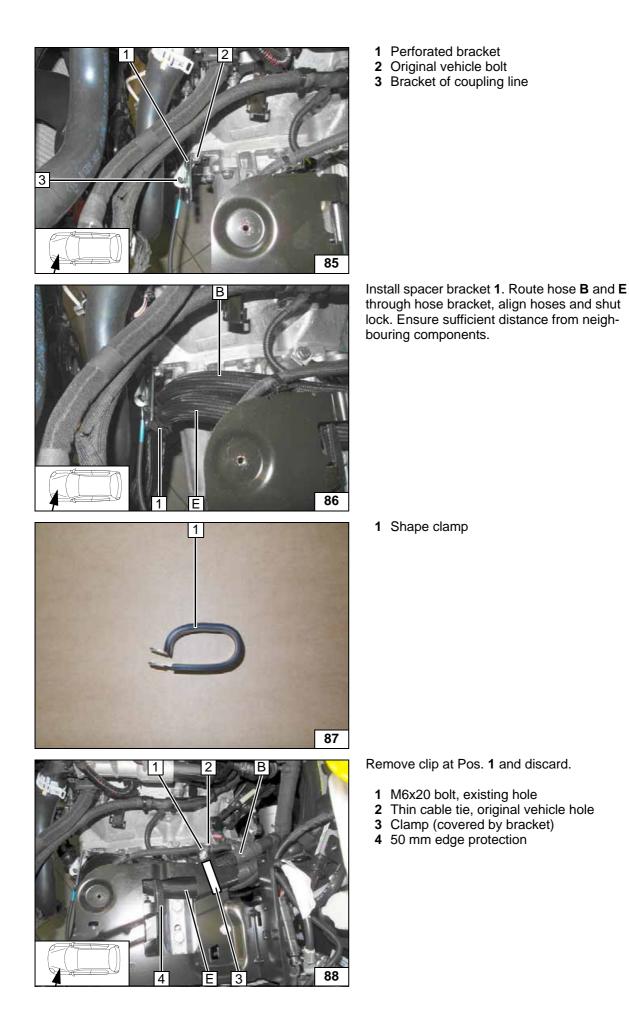


Installing perforated bracket

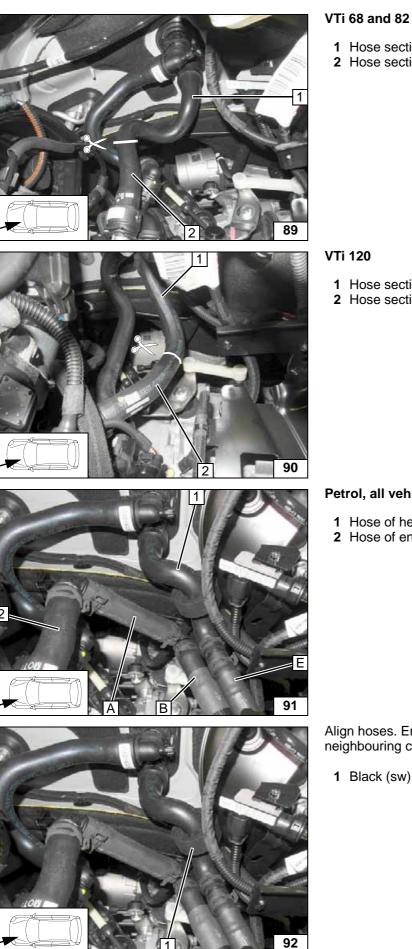
Routing in engine compartment

Preparing clamp

Routing in engine compartment







- 1 Hose section of heat exchanger inlet
- 2 Hose section of engine outlet

Cutting point

Cutting point

- 1 Hose section of heat exchanger inlet
- 2 Hose section of engine outlet

Petrol, all vehicles

- 1 Hose of heat exchanger inlet
- 2 Hose of engine outlet

Connect-ing engine outlet / heat exchanger inlet

Align hoses. Ensure sufficient distance from neighbouring components.

1 Black (sw) rubber isolator

Aligning rubber isolator



[1] T	Diesel	
	 Drill out hole to 8 mm dia. Turn perforated bracket by 15° 	Preparing perforated
93		bracket
	 Perforated bracket in 8mm dia. hole Hose bracket Original vehicle bolt, bracket of coupling line 	Installing perforated bracket
	Route hose B and E through spacer bracket 1 , align hoses and shut lock. Ensure sufficient distance from neighbouring components.	Routing in engine compart- ment
	Slide 100mm edge protection 1 onto the transmission edge.	Installing edge pro- tection



Cutting point

Connecting engine outlet

Connecting heat exchanger inlet

Aligning rubber isolator

	Up to MY 2013
	 Hose section of heat exchanger inlet Hose section of engine outlet
	1 Hose of engine outlet
1 E 2	Push black (sw) rubber isolator 3 onto hose E .
	 Cable tie Hose of heat exchanger inlet
	Align black (sw) rubber isolator 1 to battery box 2 . Align hoses. Ensure sufficient distance to neighbouring components; correct if nec- essary.

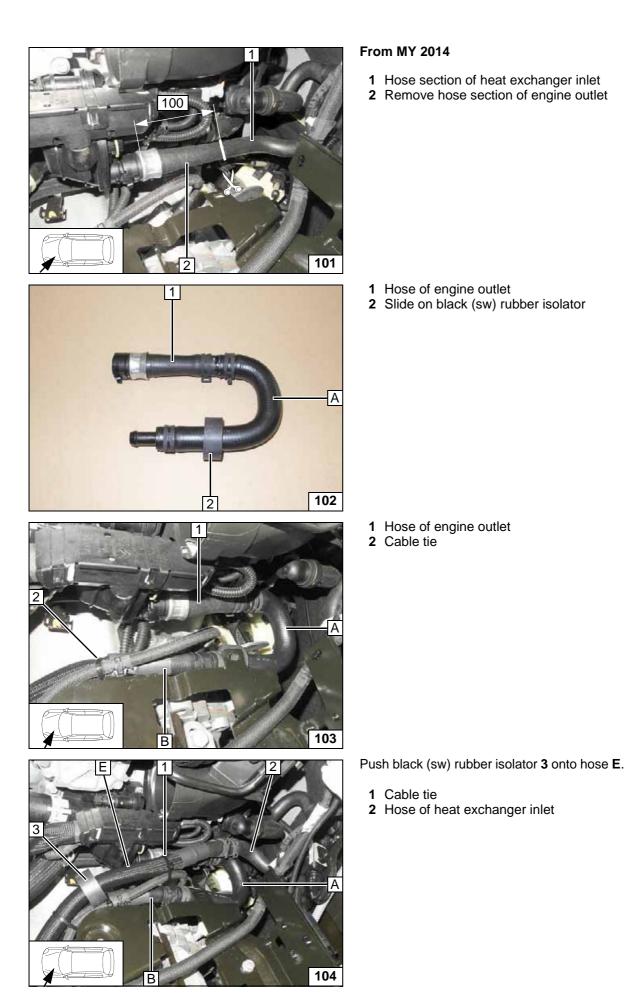


Cutting point

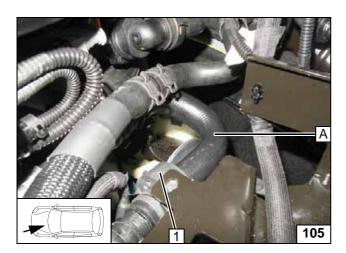
Premounting hose A

Connecting engine outlet

Connecting heat exchanger inlet







Align hoses. Ensure sufficient distance to neighbouring components; correct if necessary.

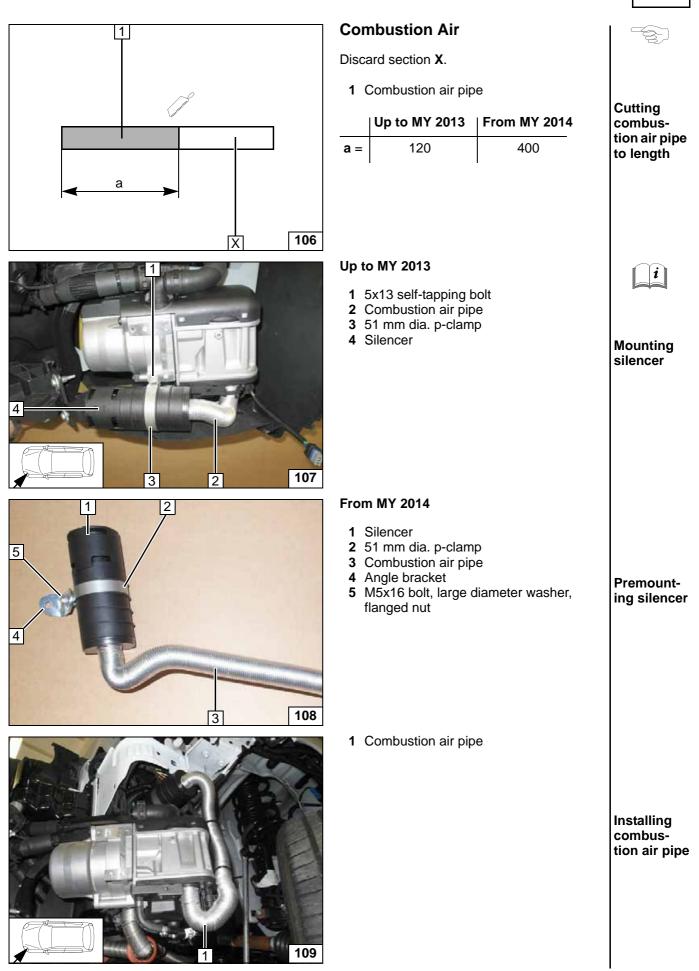
1 Align black (sw) rubber isolator



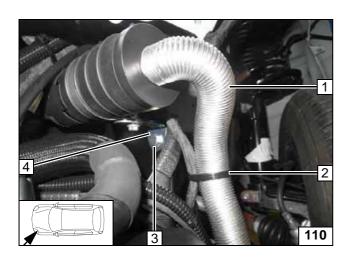
Aligning rubber isolator

Citroen C3





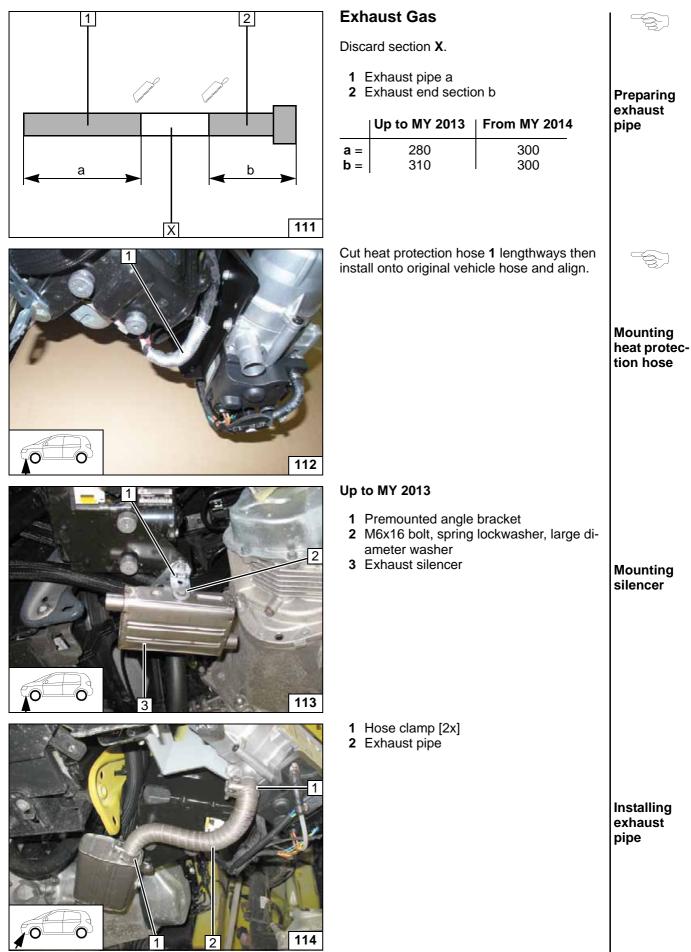




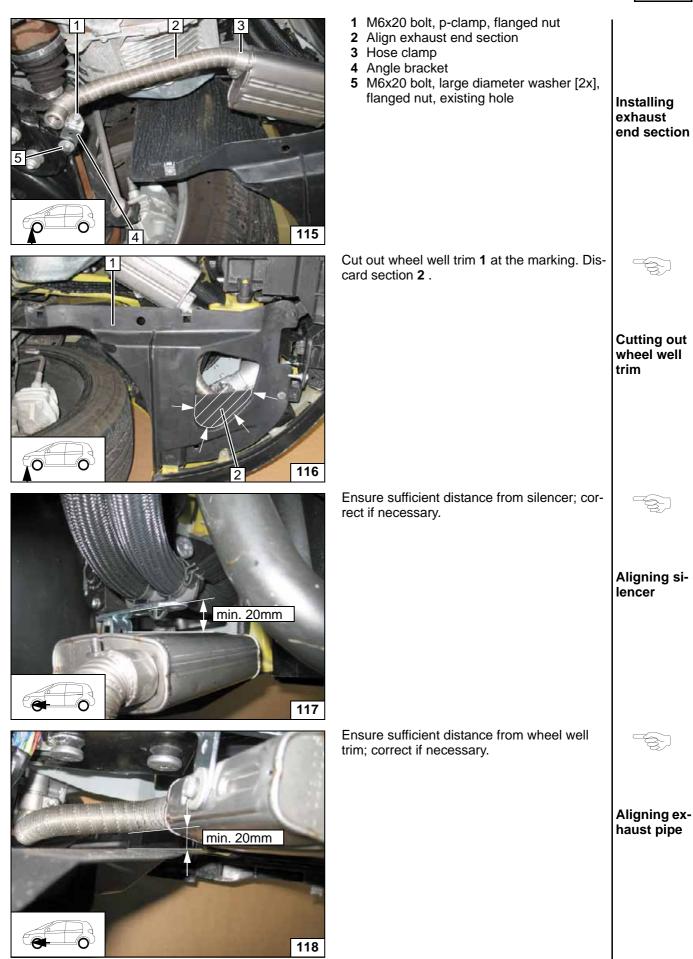
- Combustion air pipe
 Cable tie
 M6x20 bolt, flanged nut, existing hole
 Angle bracket

Mounting silencer









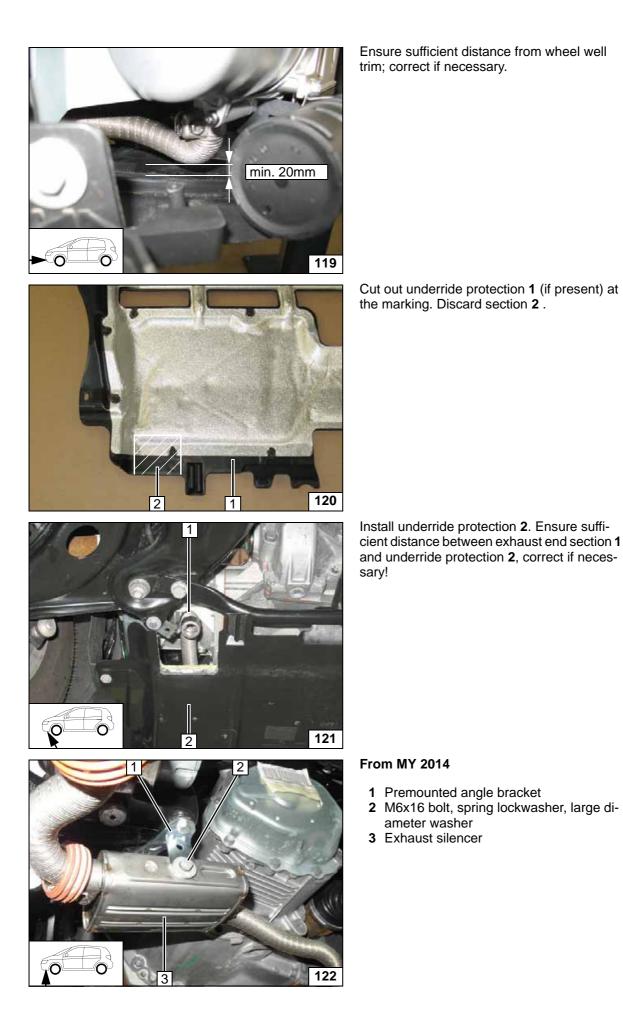


Aligning exhaust pipe

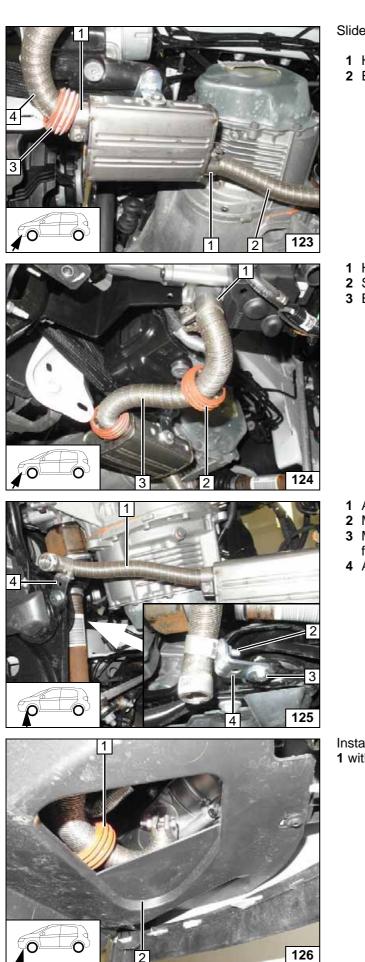
Cutting out underride protection

Mounting underride protection

Mounting silencer



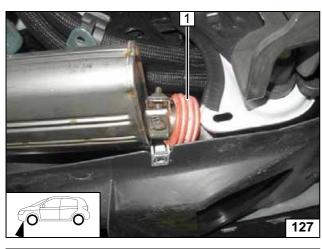


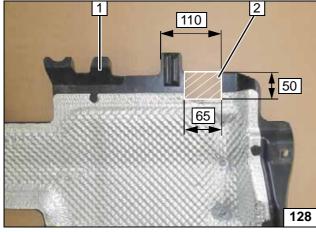


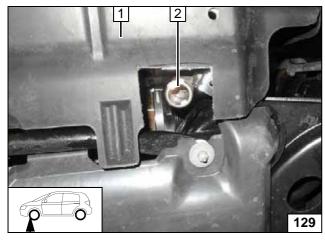
Slide spacer bracket 3 onto exhaust pipe 4 !	
 Hose clamp [2x] Exhaust end section 	
	Installing exhaust pipe and exhaust end section
 Hose clamp Slide on spacer bracket Exhaust pipe 	
	Installing exhaust pipe
 Align exhaust end section M6x20 bolt, p-clamp, flanged nut M6x20 bolt, large diameter washer [2x], flanged nut, existing hole Angle bracket 	Installing exhaust end section
Install wheel well trim 2 . Align spacer bracket 1 with wheel well trim 2 .	
	Aligning ex- haust pipe



Aligning exhaust pipe







Align spacer bracket 1 as shown.

Cut out underride protection ${\bf 1}$ at the marking. Discard section ${\bf 2}$.

Install underride protection **1**. Align exhaust end section **2** with the centre of the cut-out and flush with underride protection **1**. Ensure sufficient distance to neighbouring components; correct if necessary.

S.

Cutting out underride

protection

Aligning exhaust pipe

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







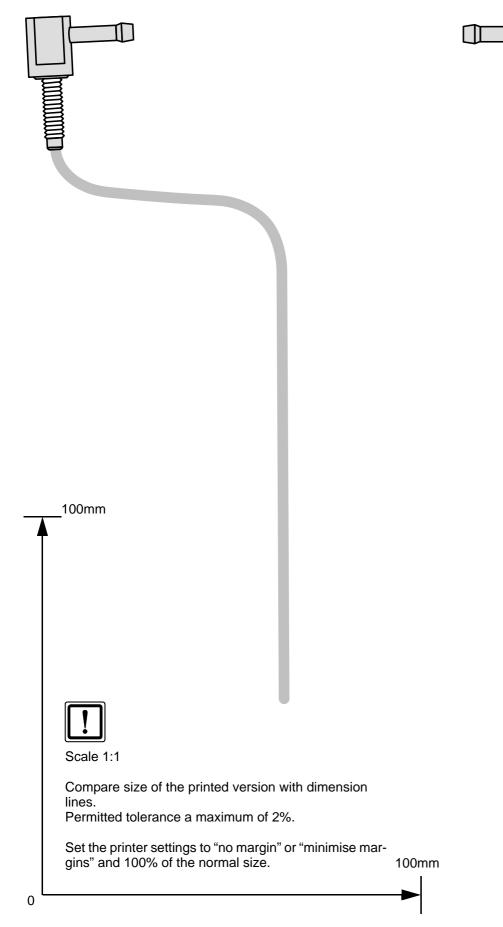
Webasto Thermo & Comfort SE Postfach 1410 82199 Gilching Germany Internet: www.webasto.com Technical Extranet: http://dealers.webasto.com



Diesel

Templates for Fuel Standpipe







Operating Instructions for Man. A/C up to 2013 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: i 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 windscreen 3 2 Set temperature to "max." 3 Set fan to level "1", or possibly "2" A/C control panel 130 1 2 1 30A passenger compartment main fuse F2 2 20A heater fuse F1 Fuses of engine compartment 13 **1** 1A fuse of heater control F3 2 25A fan fuse F4 Fuses of passenger compartment 2 132



Operating Instructions for Man. A/C from 2014

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: i 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 windscreen 3 2 Set temperature to "max." 3 Set fan to level "1", or possibly "2" A/C control panel 133 1 30A passenger compartment main fuse F2 2 20A heater fuse F1 Fuses of engine compartment **1** 1A fuse of heater control F3 2 25A fan fuse F4 Fuses of passenger compartment 135 2



Operating Instructions for Automatic A/C up to 2012

Please remove page and add to the vehicle operating instructions.

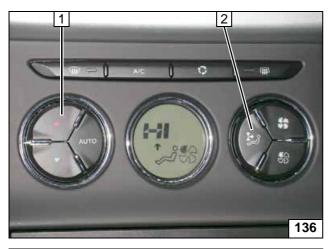
Note:

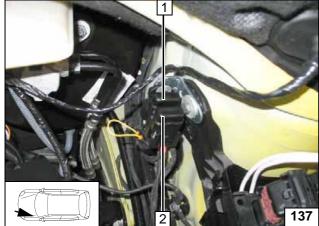
We recommend matching the heating time to the driving time. Heating time = driving time **Example:** For a driving time of approx. 20 min. (in one direction), we recommend not exceeding a switch-on of 20 min.

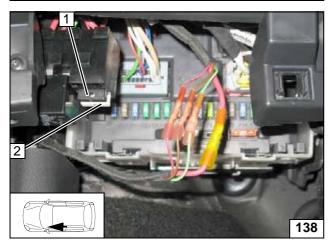
Passenger compartment monitoring, if installed, must be deactivated in addition to the vehicle settings for the heating operation.

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

Before parking the vehicle, make the following settings:







iructions.	
ime.	
recommend not exceeding a switch-on time	i
eactivated in addition to the vehicle settings ting instructions of the vehicle.	
 Set temperature to "HI" Air outlet faces upward 	
	A/C control panel
 30A passenger compartment main fuse F2 20A heater fuse F1 	Fuses of en- gine compart- ment
 1 1A fuse of heater control F3 2 25A fan fuse F4 	Fuses of pas- senger com- partment