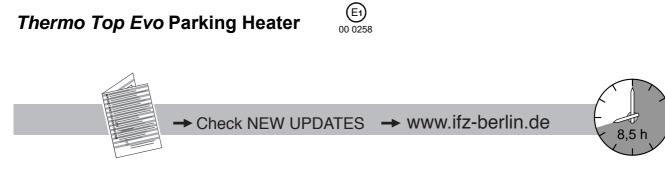
Part nu	mbers: 13437784_eng_zafira / 13437785_eng_zafira / 13437789_eng
D	Einbauanleitung/nur Händlereinbau
GB	Installation instructions/Dealer installation only
F	Consignes de montage / Montage uniquement par le concessionnaire
	Montagehandleiding/Montage alleen door dealers
DK	Montagevejledning/Montage kun hos forhandleren
	Monteringsinstruksjon/Montasje kun hos forhandleren
S	Installationsanvisning / Får endast monteras av återförsäljaren
FIN	Asennusohje/Asennus vain myyntiliikkeen toimesta
	Istruzioni per il montaggio / Installazione solo presso la concessionaria
E	Instrucciones de montaje/Instalación exclusiva por el distribuidor
P	Instruções de montagem / Montagem só no concessionário
GR	Οδηγίες εγκατάστασης/Συναρμολόγηση μόνο από εμπο ρους
CZ	Návod k montáži / Montá pouze prodejcem
PL	Instrukcja montażu / Montaż tylko u dealera
TR	Montaj talimati / Sadece satici tarafında monte edilir
H	Beépítési útmutató / Csak a kereskedő építheti be
HR	Upute o ugradnji/Ugradnja samo od strane trgovca
BUL	Инструкция эа монтаж / Монтажът може да се иэвърши само от търговеца
RO	Instrucțiuni de montaj / Se va monta numai de către dealer
RUS	Инструкция по монтажу и установке/Устанавливать только у дилера
	Montavimo informacija / Montuoja tik prekybininkas
LV	lemontēšanas pamācība/Tikai pārdevēja iebūve
EST	Paigaldusjuhend / Paigaldab ainult müüja
(SLO)	Navodilo za vgradnjo/Vgradnja le od trgovca
SK	Montážny návod / Montá iba obchodníkom
	取り付け説明書 / 販売業者取り付けのみ
ROK	장치 지시사항 / 오직 전문상인이 장치
THA	คู่มือการติดตั้ง / ติดตั้งโดยตัวแทนจำหน่ายเท่านั้น
VR	安装说明书 / 仅供销售商安装用
VR	安裝說明書 / 僅供銷售商安裝用

13 439 377 07/18

Part numbers: 13437784_eng_zafira / 13437785_eng_zafira / 13437789_eng



Wasser Heater



Installation Documentation Opel Zafira

Validity

Manufacturer	Model	Туре	EG-BE-No. / ABE
Opel	Zafira	P-J	e4 * 2007 / 46 * 0204 *
Opel	Zafira	P-J	e4 * 2007 / 46 * 0308 *

Motorisation	Fuel	Imission standard	Transmission type	Output in kW	Displacement in cm ³	Engine code
1.4 P	Petrol	Euro 5 / 6 / 6D temp.	6-speed MT	88	1364	A/B/D14NEL (LUJ)
1.4 P	Petrol	Euro 5 / 6	6-speed MT	103	1364	A/B14NET (LUJ)
1.4 P	Petrol	Euro 5 / 6	6-level AT	103	1364	A/B14NET (LUJ)
1.6 P	Petrol	Euro 5 / 6	6-speed MT	125	1598	A/B16XHT (LVP)
1.6 P	Petrol	Euro 5 / 6	6-level AT	125	1598	A/B16XHT (LVP)
1.6 P	Petrol	Euro 6	6-level AT	125	1598	B16SHL (LWC)
1.6 P	Petrol	Euro 5 / 6	6-speed MT	147	1598	A/B16SHT (LWC)
2.0 D	Diesel	Euro 5	6-speed MT	81	1956	A20DTL (LBQ)
2.0 D	Diesel	Euro 5	6-speed MT	96	1956	A20DT (LBR)
2.0 D	Diesel	Euro 5	6-speed MT	121	1956	A20DTH (LBS)
2.0 D	Diesel	Euro 5	6-level AT	121	1956	A20DTH (LBS)
2.0 D	Diesel	Euro 5	6-speed MT	143	1956	A20DTR (LBY)

MT = Manual transmission

AT = Automatic transmission

From Model Year 2011 Left-hand drive vehicle

Verified equipment variants: Manual air-conditioning (Option Code "C67")

2-zone automatic air-conditioning (Option Code "CJ2") Front fog lightDaytime running lights Daytime running lights LED daytime running lights Adaptive forward lights (Bi-Xenon) Headlight washer system Solar protect windscreen Start-Stop Alarm system with passenger compartment monitoring

Table of Contents

Validity	1	Electrical System	16
Table of Contents	2	Vehicle-Specific Wiring Harness	17
Necessary Components	2	Telestart	22
Installation Overview	2	Fuel	23
Notes on Total Installation Time	2	Coolant Circuit	28
Information on Operating and Installation Instructions	3	1.4 Petrol	29
Notes on Validity	4	1.6 Petrol	30
Technical Instructions	4	Diesel	31
Explanatory Notes on Document	4	Exhaust Gas	32
Preliminary Work	5	Combustion Air	35
Heater Installation Location	5	Final Work	36
Preparing Electrical System	6	Fuel Standpipe Template for 1.4 Petrol and Diesel	38
Preparing Installation Location	9	Fuel Standpipe Template for 1.6 Petrol	39
Preparing Heater	10		
Installing Heater	15		

Necessary Components

- Specific delivery scope of *Thermo Top Evo* petrol or diesel: GM parts No. for petrol: 13 437 784 GM parts No. for diesel: 13 437 785
- Installation kit for Opel Zafira 2011 Petrol and diesel GM parts No.: 13 437 789

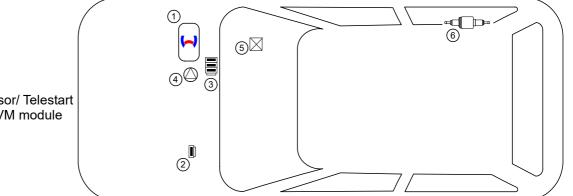
Note:

Heater control, Telestart T100 and push button are included in the installation kit.

Installation Overview

Legend:

- 1. Heater
- **2**. Fuse F1
- 3. Fuses F2-4
- 4. Circulating pump
- 5. Temperature sensor/ Telestart / push button / SVM module
- 6. Metering pump



Notes 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.

Opel Zafira

Information on Operating and Installation Instructions

1 Important information (not complete)

1.1 Installation and repair



The improper installation or repair of Webasto heating and cooling systems can cause fire or the leakage of deadly carbon monoxide, leading 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 228).

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).

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 programmable control module (e.g. 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

The heater is licensed in accordance with paragraph 19, section 3, No. 2b of the StVZO (German Road Traffic Licensing Authority).

2.1 Excerpt from ECE regulation 122 (heating system) paragraph 5 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.

Notes on Validity

This installation documentation applies to the Opel Zafira Petrol and 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 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 Instructions

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 tab connector 0.14 6mm²
- Crimping pliers for cable lug 0.5 10mm²
- Crimping pliers for connector 0.25 6mm²
- Torque wrench for 2.0 10 Nm
- Deep-hole marker
- · Hose clamping pliers
- Metric thread-setter kit
- · Webasto Thermo Test Diagnosis with current software

Dimensions

All dimensions are in mm

Tightening torque values

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

Explanatory Notes on Document

Special features are highlighted using the following symbols:

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

Mechanical system Specific risk of injury or fatal accidents. Specific risk of damage to Electrical system components. Specific risk of fire and explosion **Coolant circuit** Reference to general installation instructions of the Webasto components or to the **Combustion air** manufacturer's vehicle-specific documents. Reference to a special technical feature Fuel The arrow in the vehicle icon indicates the position on the vehicle and the viewing angle. Exhaust gas Software Tightening torque according to the manufacturer's vehicle-specific documents

Ident. No.: 1319152C_EN

Opel Zafira

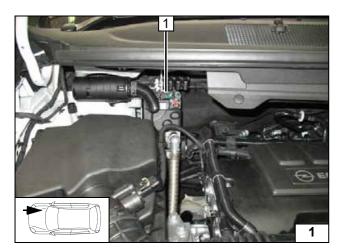
Preliminary Work

Vehicle

- Open the fuel tank cap.
- Ventilate the fuel tank.
- Close the fuel tank cap again.
- Depressurise the cooling system.
- Disconnect the battery.
- Completely remove the air filter.
- Remove the windscreen wiper.
- Remove the coolant reservoir cap.
- Remove the coolant reservoir.
- Remove the windscreen wiper motors (left and right).
- Remove the upper engine cover (not in case of 1.4 petrol).
- Remove the insulation mat of the firewall on the right.
- Remove the right wheel.
- · Loosen the right wheel-well inner panel.
- Remove the fuel-tank (petrol only).
- Remove the footwell trim on the front passenger's side.
- Remove the lower glove compartment.
- Remove the lateral instrument panel trim of the centre console on the driver's and front passenger's side.
- Remove the A-pillar trim on the front passenger's side.

Heater

• Remove dates that do not apply from the type and duplicate label.



Heater Installation Location

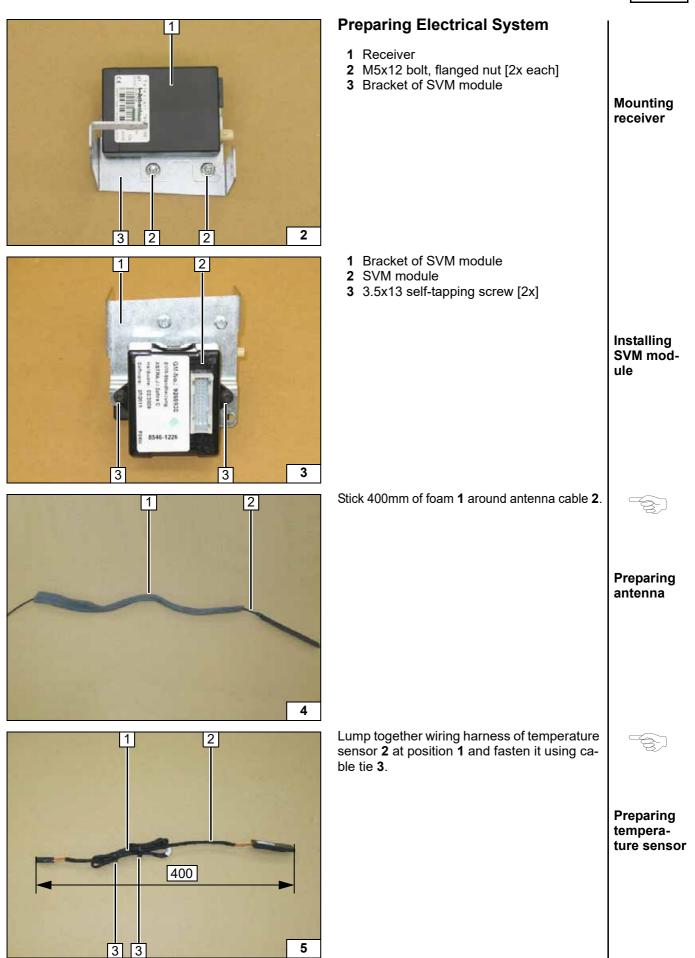
Figure shows petrol vehicle.

1 Heater

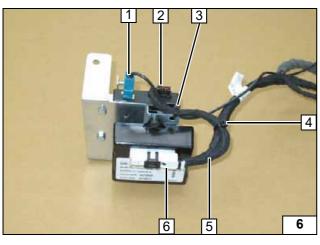


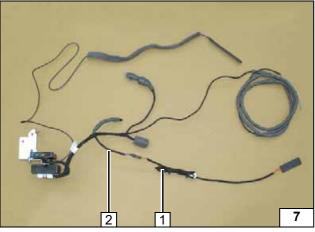
Installation location

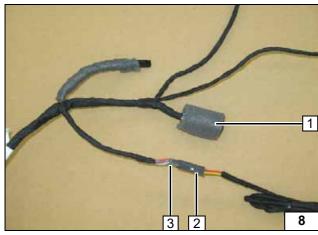


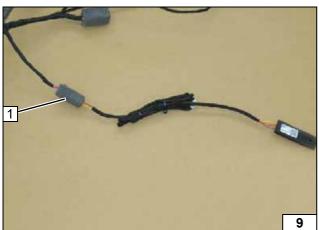












- 1 Connector of antenna
- 2 Connector of receiver
- 3 Cable tie through hole of bracket
- 4 Cable tie
- 5 Wiring harness of passenger compartment
- 6 Connector of SVM module

Connecting passenger compartment wiring harness

Connecting passen-

ger compartment wiring harness

Attach temperature sensor **1** to wiring harness of passenger compartment **2** (see following image).

Stick 40mm of foam **1** around connector of passenger compartment wiring harness with engine compartment wiring harness.

- 2 Connector of temperature sensor
- **3** Connector of passenger compartment wiring harness (assigned 3x)

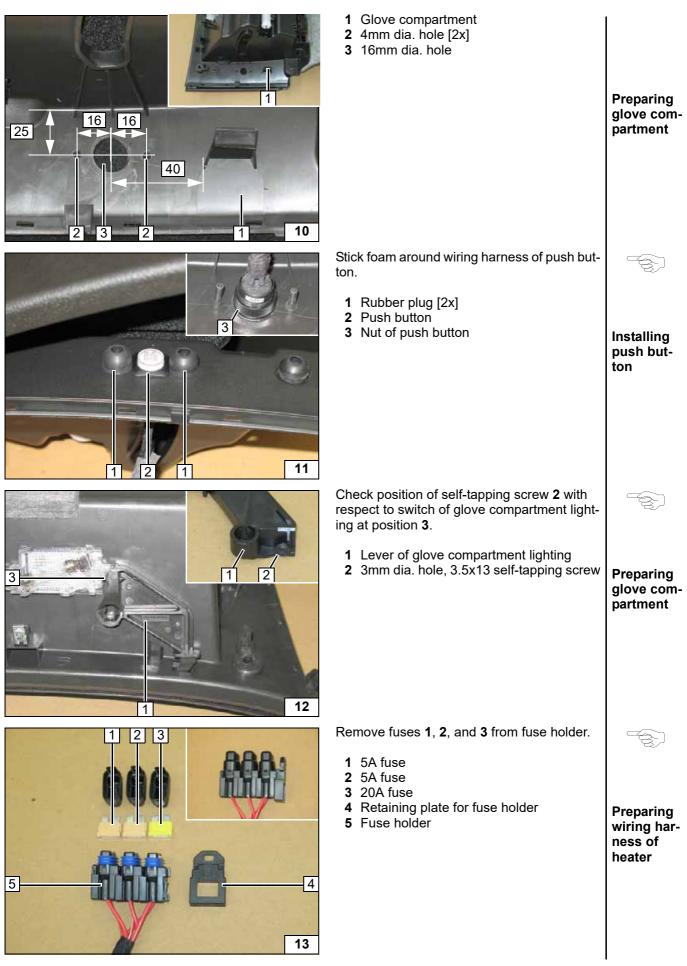
Stick 40mm of foam 1 around connector of

temperature sensor.

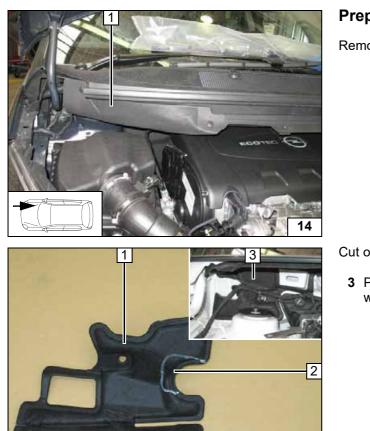
Connecting passenger compartment wiring harness

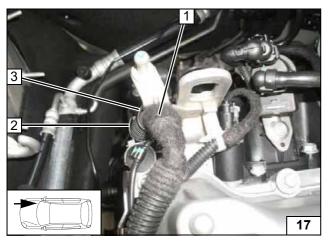
Preparing passenger compartment wiring harness











Preparing Installation Location

Remove insulation mat 1 and discard.

Removing insulation mat

Cut out insulation mat ${\bf 1}$ at position ${\bf 2}$.

3 Position of insulation mat on the right firewall

1.6 petrol

15

Unclip original vehicle wiring harness with bracket **2** in position **1** beneath the lifting lug of the engine and secure it again as shown in the following image.

Twist bracket **2** of original vehicle wiring harness **1** by 180° and clip on again as shown. Secure furthermore tightly to the engine using cable tie **3**.

Cutting insulation mat to size

Repositioning original vehicle wiring harness



Repositioning original vehicle wiring harness



Hole in fire-

i

Installing

nection

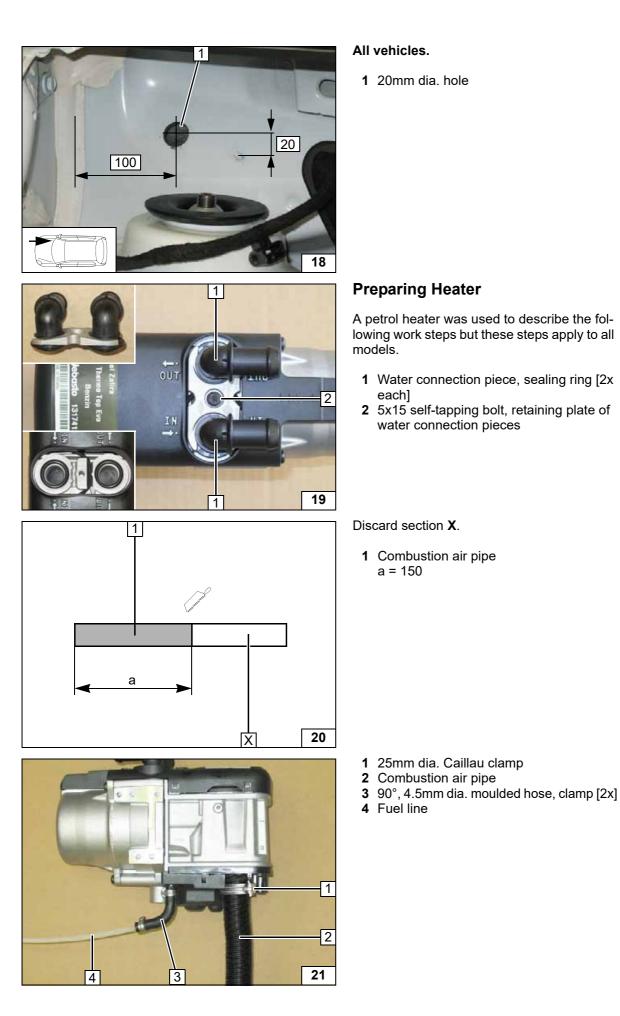
pieces

Cutting combustion air pipe to length

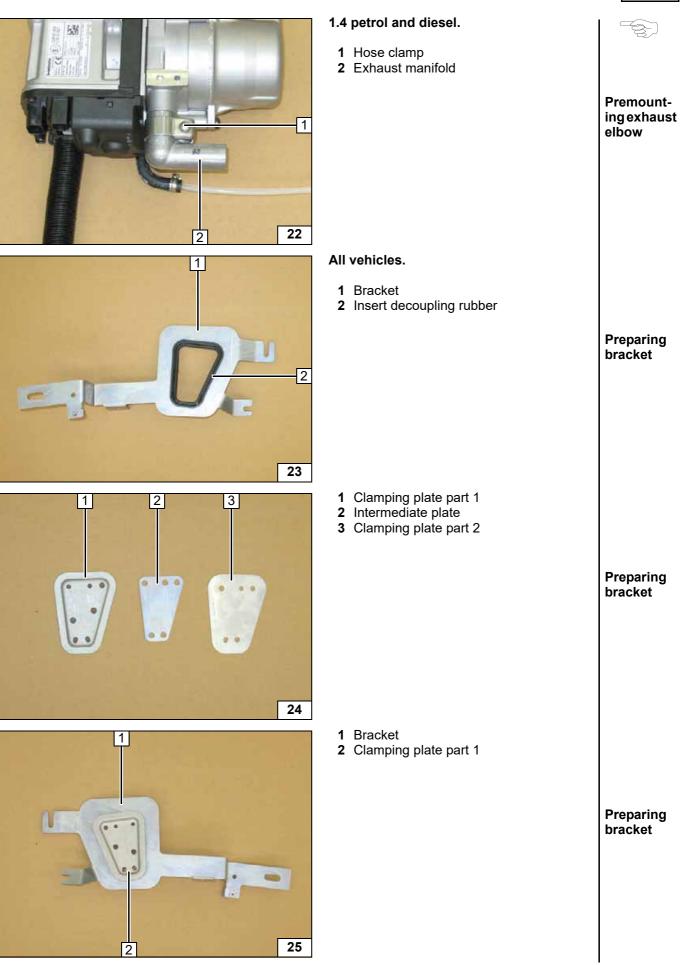
Premounting heater

water con-

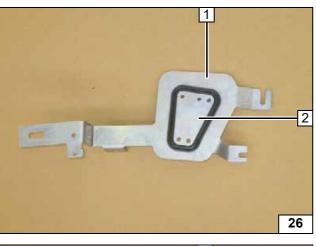
wall

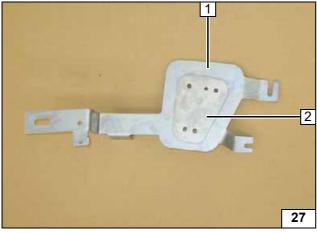


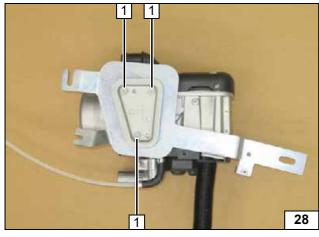


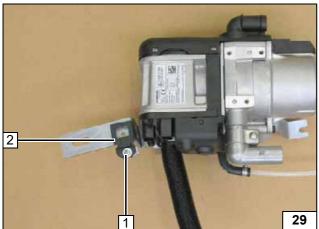






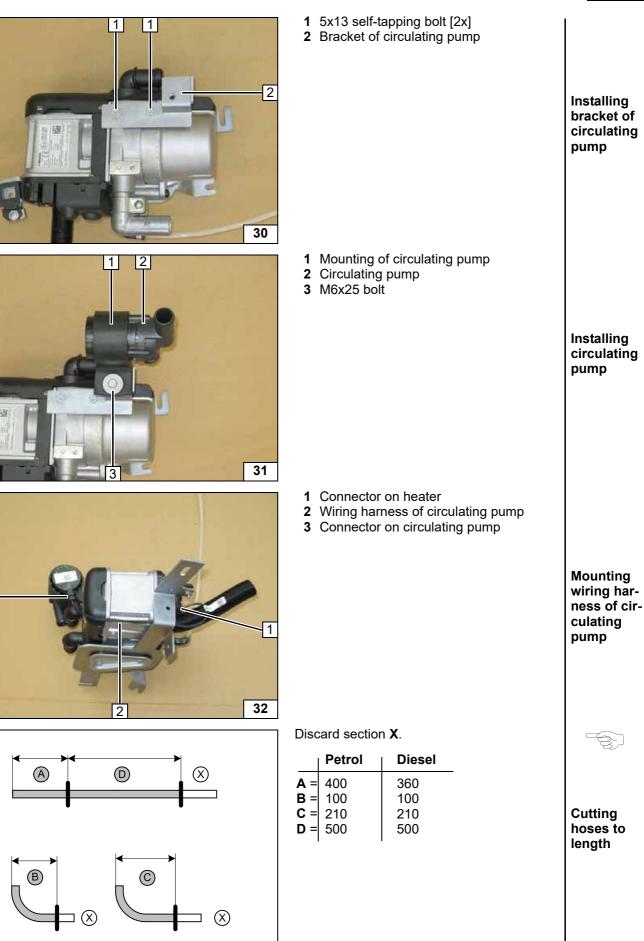




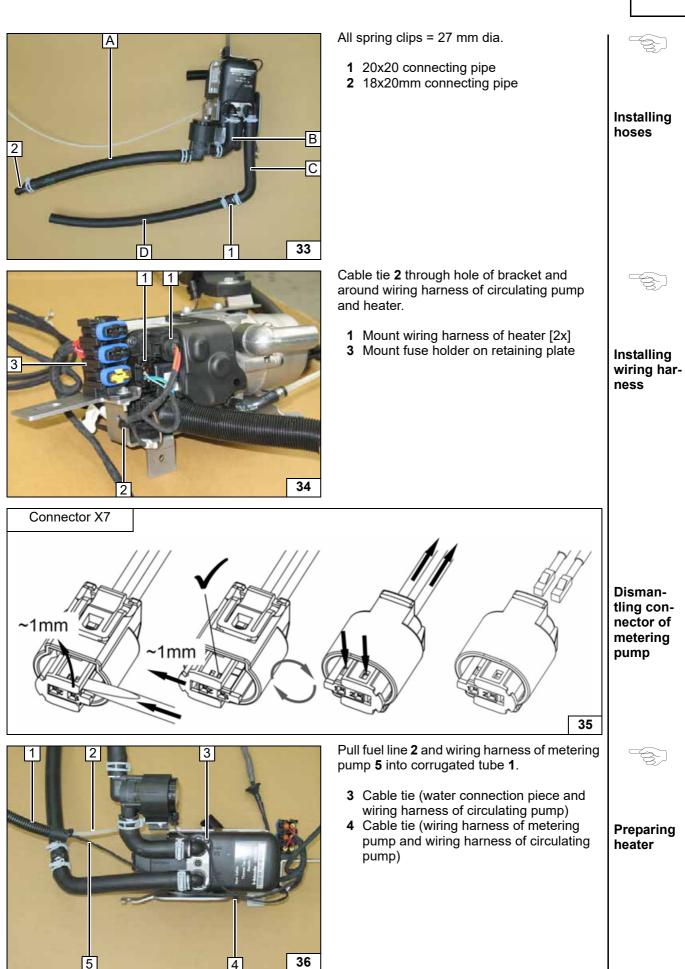


1 2	Bracket Intermediate plate	
		Preparing bracket
	Bracket Clamping plate part 2	Preparing
		bracket
1	5x13 self-tapping bolt [3x]	
		Mounting bracket
1 2	M4x12 bolt, large diameter washer, nut Retaining plate for fuse holder	
		Installing retaining plate of fuse holder













Installing Heater

-	
Insert between bracket and body at positon 1 one large diameter washer each.	
1 Large diameter washer, flanged nut [2x each]	Mounting heater
1 M6x16 bolt, large diameter washer, original vehicle threaded hole	Mounting heater

Electrical System

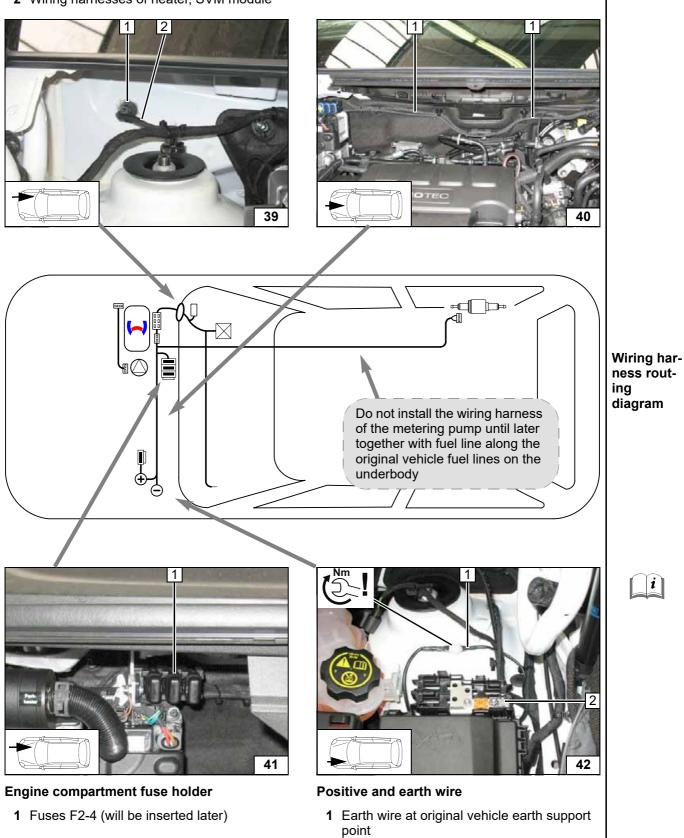
Wiring harness pass through

- **1** Protective rubber plug
- 2 Wiring harnesses of heater, SVM module

Wiring harness routing

1 Fasten wiring harness of heater to original vehicle wiring harness with cable tie

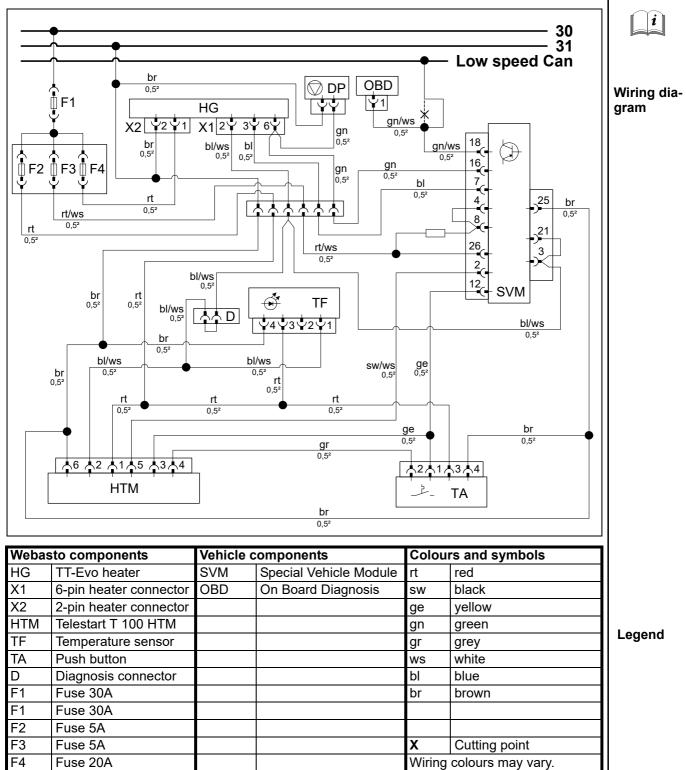




2 Positive wire on positive support point



Vehicle-Specific Wiring Harness

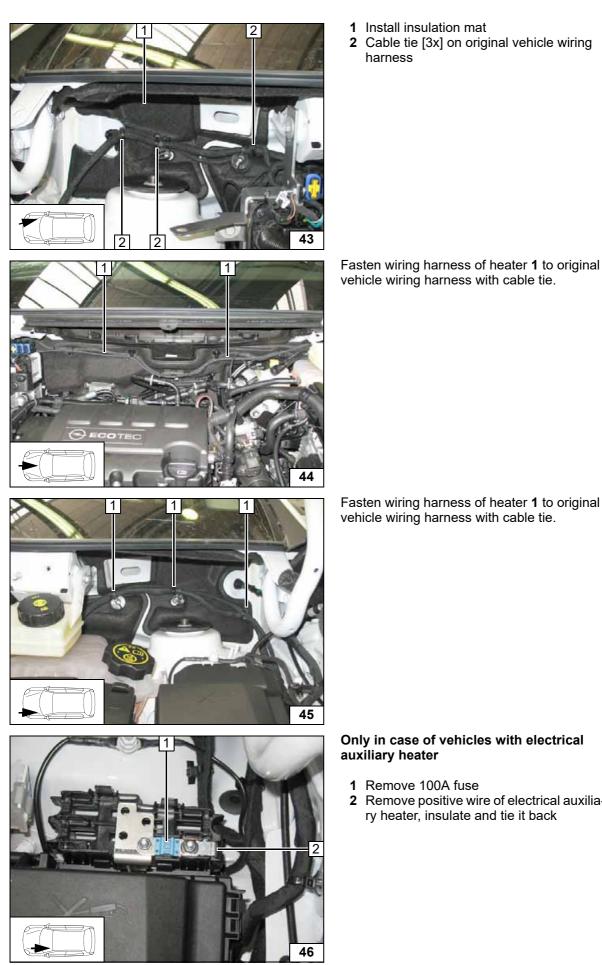




i

Wiring harness rout-

ing





Wiring harness routing

Fasten wiring harness of heater 1 to original vehicle wiring harness with cable tie.

> Wiring harness routing

Only in case of vehicles with electrical

2 Remove positive wire of electrical auxiliary heater, insulate and tie it back

Connection of positive support point



Connection of pos-

Preparing installation

location of SVM mod-

Installing SVM mod-

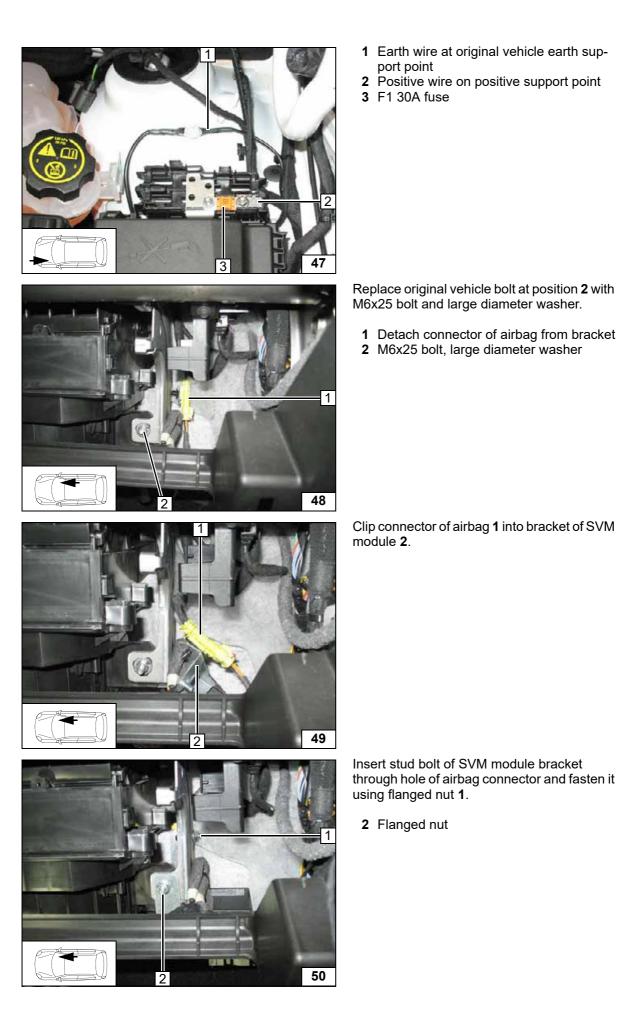
Installing SVM mod-

ule

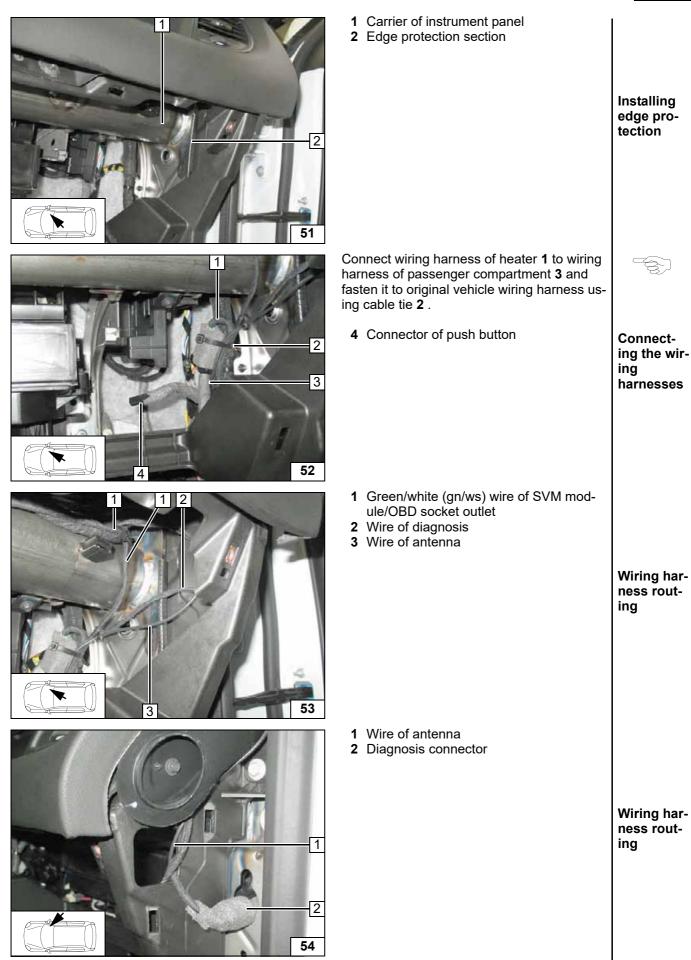
ule

ule

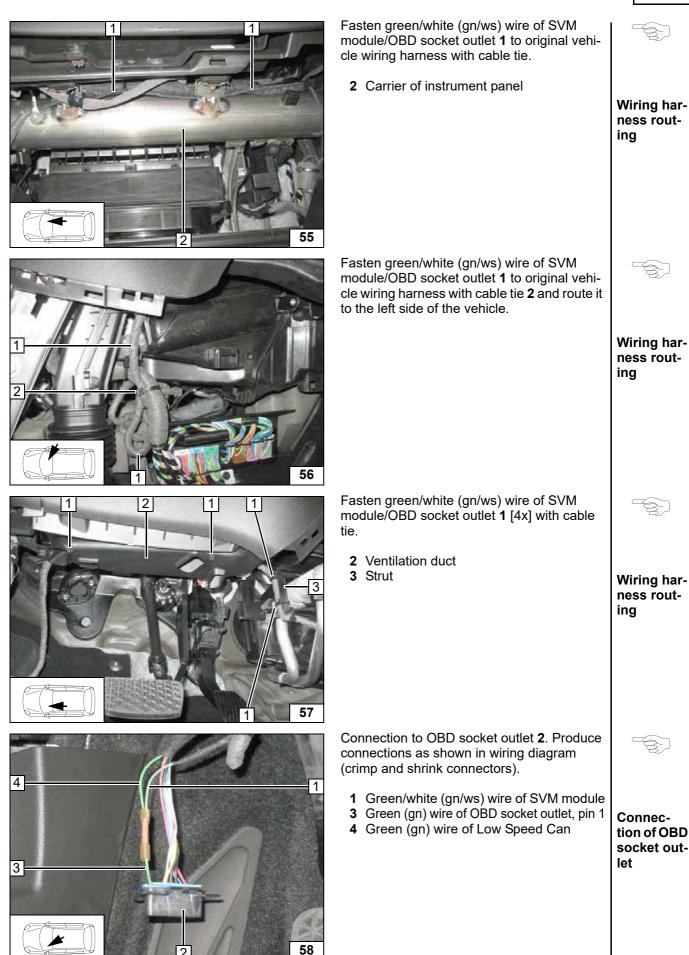
itive support point



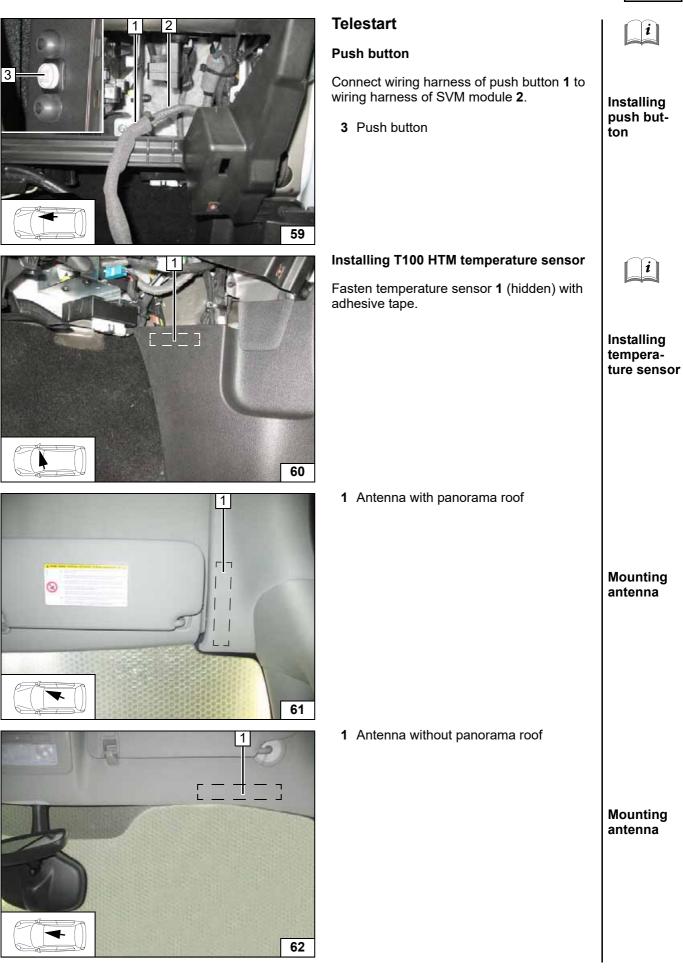












Part numbers: 13437784_eng_zafira / 13437785_eng_zafira / 13437789_eng

Opel Zafira

Fuel

CAUTION!

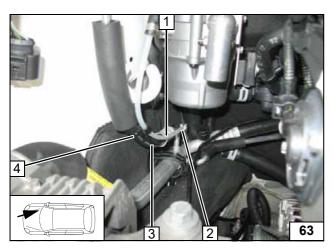
Open the vehicle's fuel tank cap, ventilate the tank and then re-close the tank lock.

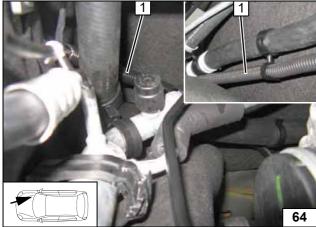
Catch any fuel running off with an appropriate container.

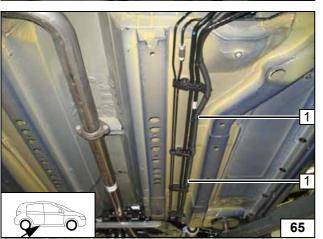
Install fuel line and metering pump wiring harness so that they are protected against stone impact. Unless specified otherwise, always fasten using cable ties. Provide rub protection for fuel line and wiring harness in areas where there are sharp edges.

WARNING!

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







- Fuel line 1
- 5x8mm hose bracket 2
- 3 A/C line
- 4 5x14.5mm hose bracket

- 1 Fuel line, wiring harness of metering
- pump in corrugated tube

Routing lines

Fasten fuel line and wiring harness of metering pump in corrugated tube **1** to the original vehicle fuel lines with cable tie.

> Routing lines

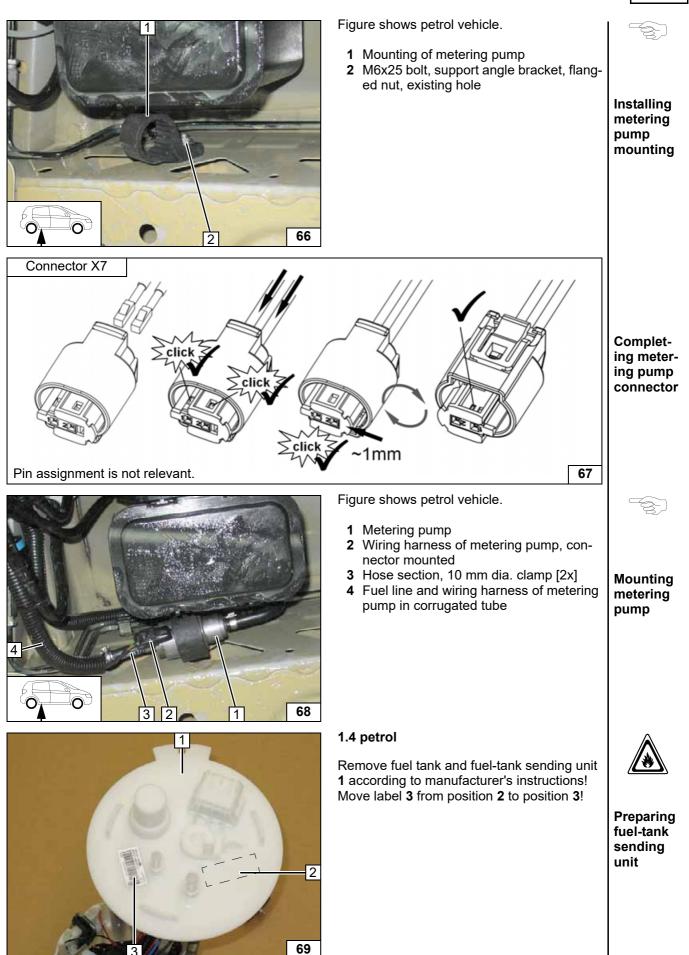




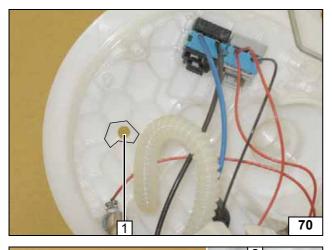


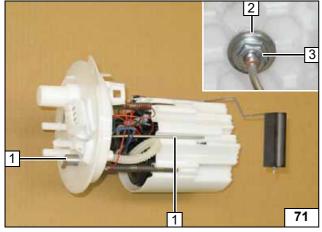
Routing lines



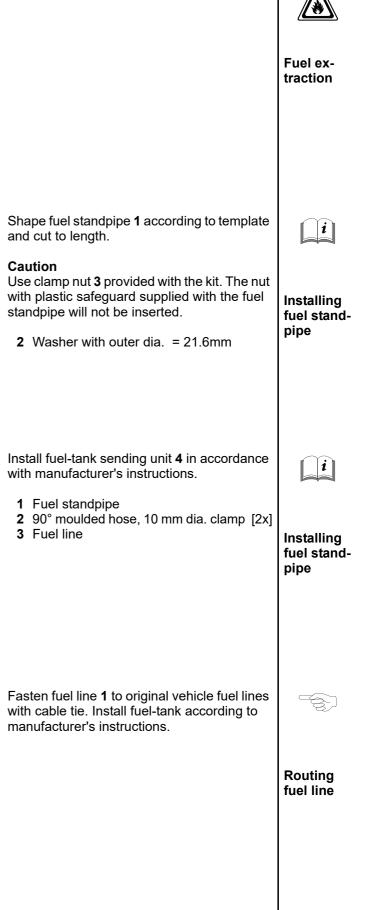


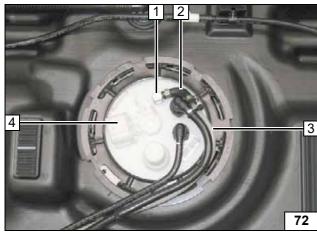






1 Copy hole pattern, 6 mm dia. hole









	1.6 petrol Remove fuel tank and fuel-tank sending unit 1 in accordance with manufacturer's instructions. Mark hole pattern 3 and locate it as shown on the right controlly in position 2 , adjust if non	
	the right centrally in position 2, adjust if necessary.3 6 mm dia. hole	Preparing fuel-tank sending unit
20		unit
	Shape fuel standpipe 1 according to template and cut to length.	i
	Caution Use clamp nut 3 provided with the kit. The nut with plastic safeguard supplied with the fuel standpipe will not be inserted.	Installing fuel stand- pipe
	2 Washer with outer dia. = 21.6mm	bibe.
	Install fuel-tank sending unit 1 in accordance with manufacturer's instructions. Fasten fuel line 3 to original vehicle fuel lines with cable tie. Install fuel-tank according to manufacturer's instructions.	
	 2 90° moulded hose, 10 mm dia. clamp [2x] 4 Fuel standpipe 	Routing fuel line
	All petrol vehicles. Check the position of the components; adjust	i
	if necessary. Check that they have freedom of movement.	Connect-
	 1 Fuel line 2 180° moulded hose, 10 mm dia. clamp [2x] 	ing meter- ing pump



Diesel Separate fuel return [2x]. Discard section sleeve [2x] into both
 1 Discard hose set a 120mm, 90°, 9.8 section b 40mm, 9.5mm, a tion
 Moulded hose s 15.5mm clamp 10x5x10mm fue Moulded hose s 15.5mm clamp Original vehicle 12x15mm hose Fuel line Hose section, 10
Check the position of if necessary. Check to movement. 1 Fuel line 2 180° moulded ho

n line **1** at the markings n. Insert 8mm dia. support h wire ends.



Fuel extraction

- ection [2x]
- .5mm dia. moulded hose
- dia. moulded hose sec-

Cutting moulded hose to length

i

Installing

fuel standpipe

- section **b**, support sleeve, [2x]
- el standpipe
- section **a**, support sleeve, [2x]
- wiring harness bracket
- 0 mm dia. clamp [2x]

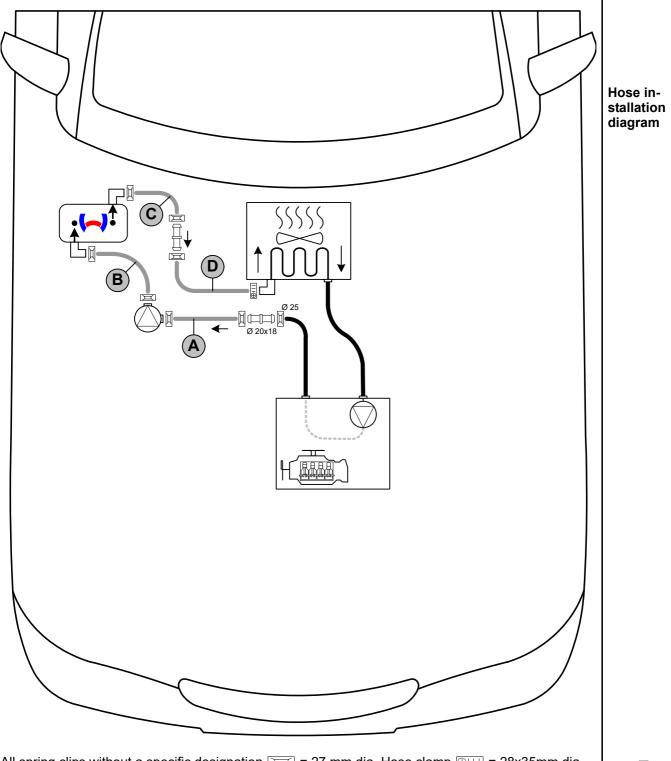
of the components; adjust that they have freedom of

ose, 10 mm dia. clamp [2x] **Connect**ing metering pump

Coolant Circuit

WARNING!

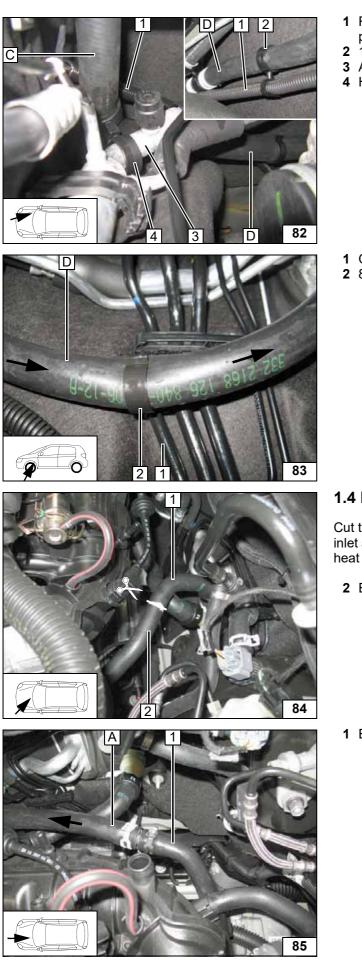
Any coolant running off should be collected using an appropriate container. Route coolant hoses kinkfree. Unless specified otherwise, always fasten using cable ties. Position clamps so that no other hose can be damaged. The heater must be filled with coolant when installing the hoses. The connection should be "inline" based on the following diagram:



All spring clips without a specific designation $\square = 27 \text{ mm}$ dia. Hose clamp 111 = 28x35 mm dia. Undesignated connecting pipe 112 = 20x20 mm dia. All hose brackets not designated in the following section = lockable twice 25-27.

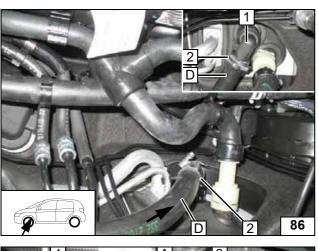


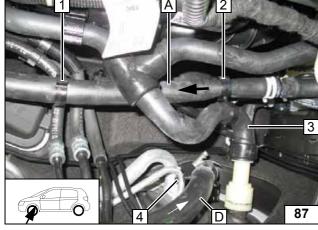


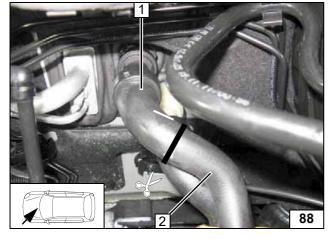


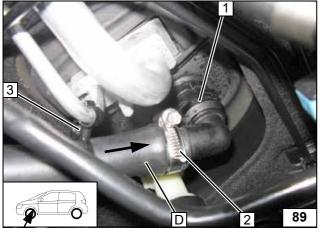
 Fuel line, wiring harness of metering pump in corrugated tube 14x27mm hose bracket A/C line Hose bracket 	Routing lines
 Original vehicle fuel line 8x27mm hose bracket 	Routing
 1.4 Petrol Cut the engine outlet hose / heat exchanger nlet at the marking. Remove hose section of heat exchanger inlet 1 and discard. 2 Engine outlet hose section 	Cutting point
1 Engine outlet hose section	Connect- ing engine outlet



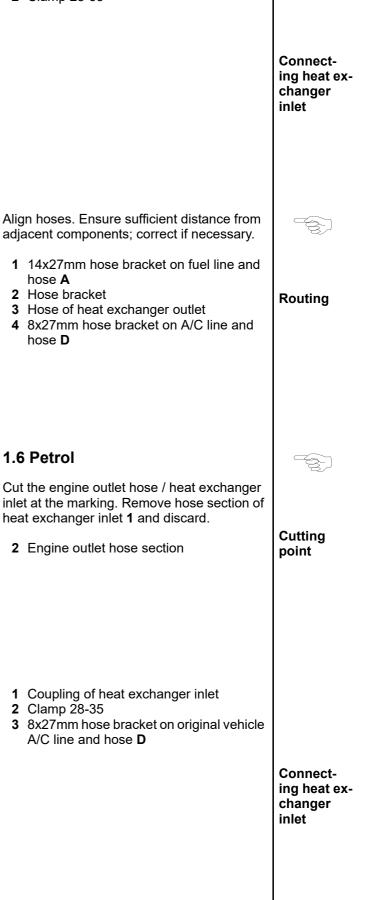




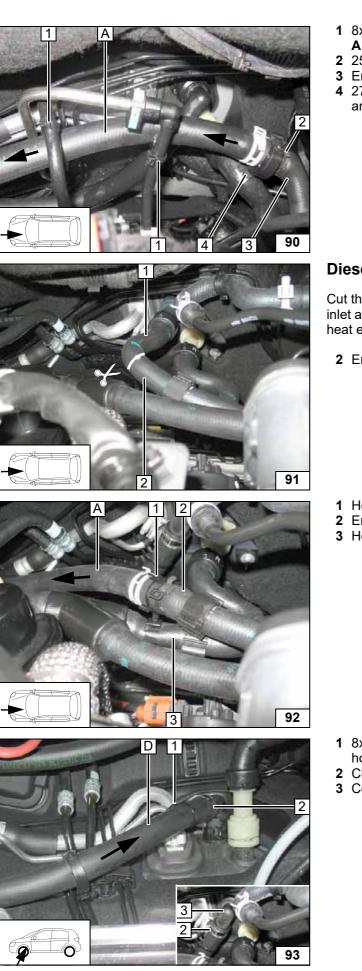




Coupling of heat exchanger inlet
 Clamp 28-35







1	8x27mm hose bracket [2x] between hose
	A and original vehicle fuel line

- 2 25 mm dia. spring clip3 Engine outlet hose section
- 4 27x27mm hose bracket between hose A and heat exchanger outlet hose

Connecting engine outlet

Cutting point

Diesel

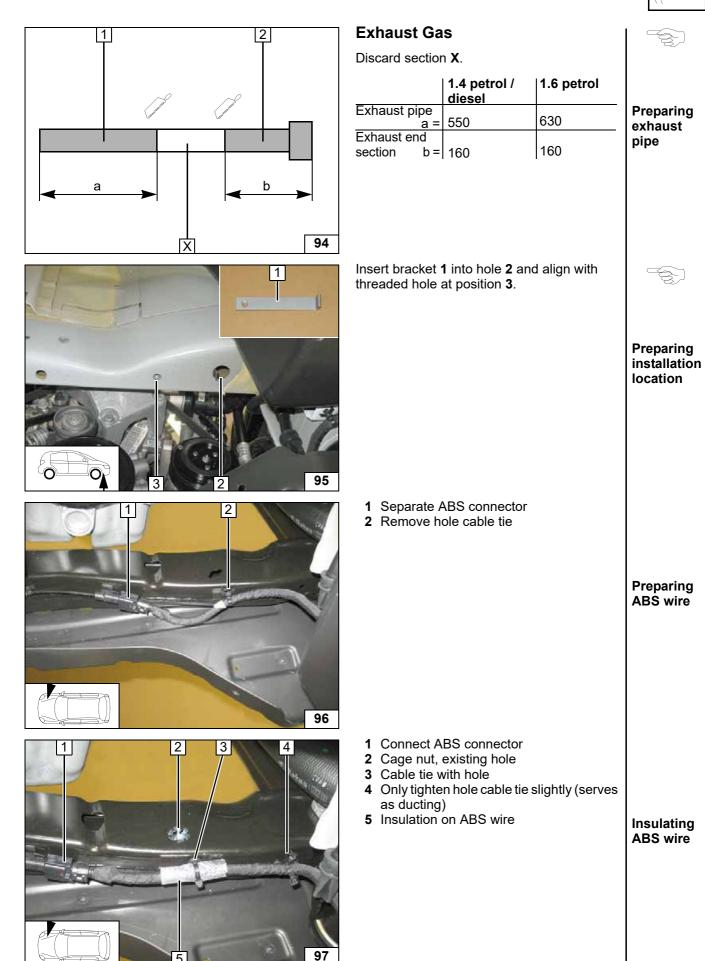
Cut the engine outlet hose / heat exchanger inlet at the marking. Remove hose section of heat exchanger inlet 1 and discard.

2 Engine outlet hose section

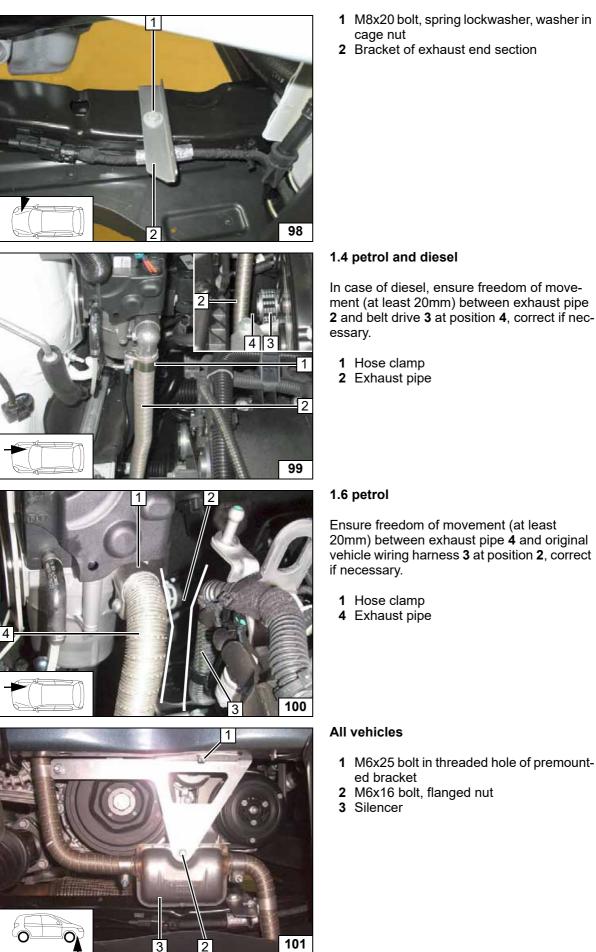
- **1** Hose bracket
- 2 Engine outlet hose section
- **3** Hose of heat exchanger outlet
- Connecting engine outlet
- 1 8x27mm hose bracket on A/C line and hose D
- 2 Clamp 28-35
- 3 Coupling of heat exchanger inlet

Connecting heat exchanger inlet













Mounting exhaust pipe



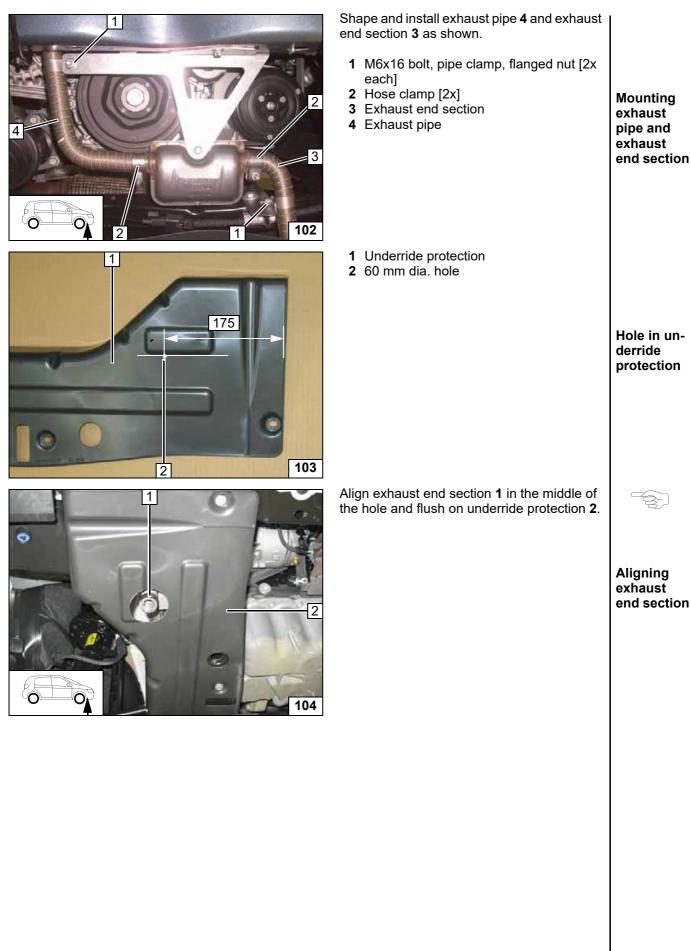
exhaust pipe

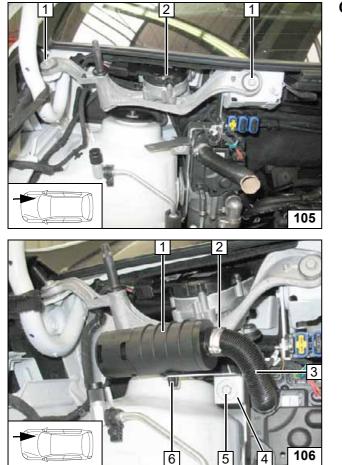
Mounting

1 M6x25 bolt in threaded hole of premount-

Installing silencer







Combustion Air

- 1 Original vehicle bolt [2x]2 Windscreen wiper motor

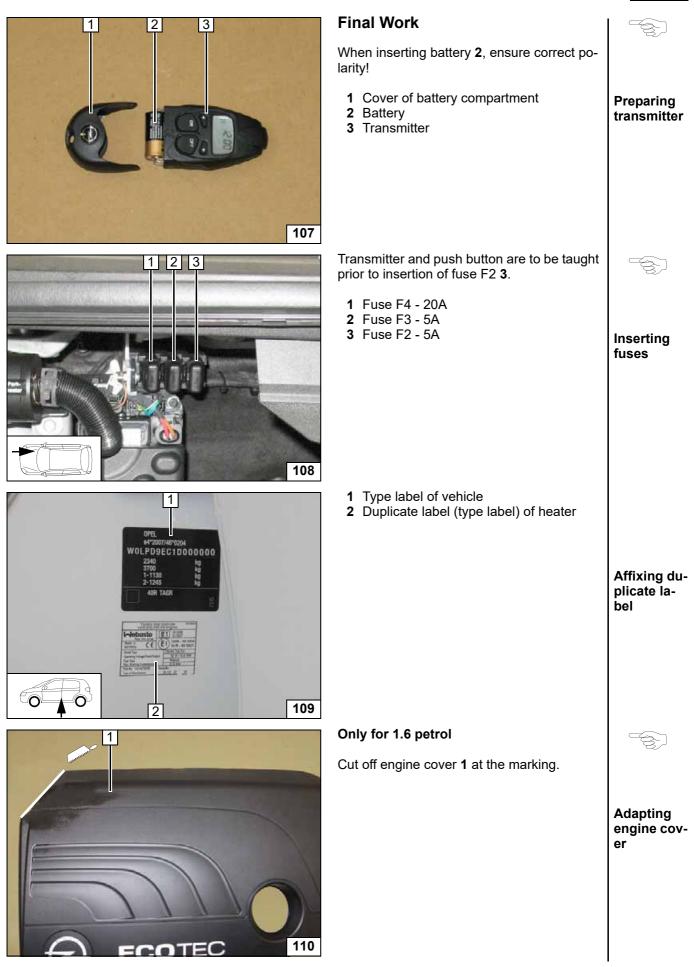
Installing windscreen wiper motor

- 1 Silencer
- 2 25mm dia. Caillau clamp
- 3 Combustion air pipe
- 4 Bracket of combustion air
- 5 M6x20 bolt, spring lockwasher, large diameter washer, flanged nut
- 6 Retaining clip of silencer in hole

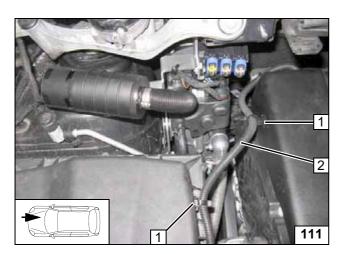


Installing silencer









All vehicles

6mm dia. hole at position **1** [2x]. When drilling, watch components located behind. Ensure sufficient distance (min. 20mm) to the exhaust pipe.

- 1 Hole cable tie [2x]
- 2 Wiring harness of air-mass sensor



WARNING!

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

Only use manufacturer-approved coolant. Spray heater components with anti-corrosion wax (Tectyl 100K).

- Connect the battery.
- Fill and bleed the coolant circuit according to the vehicle manufacturer's instructions.
- 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 start-up and function check, see installation instructions

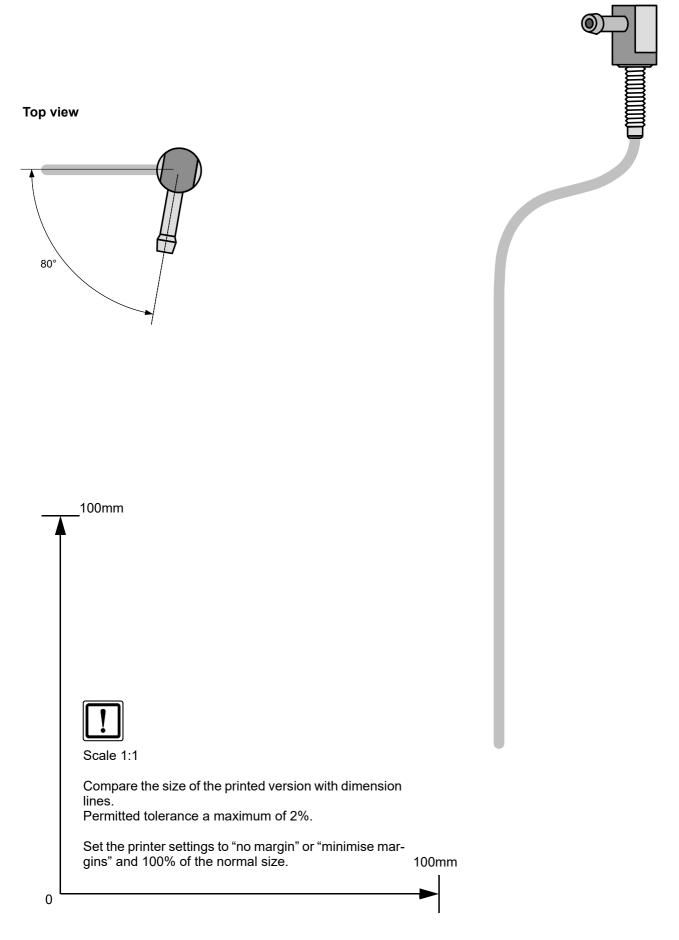




Opel Zafira



Fuel Standpipe Template for 1.4 Petrol and Diesel



Opel Zafira



Fuel Standpipe Template for 1.6 Petrol

