

Thermo Top Evo 5+ Parking Heater



Installation Documentation Mercedes Benz E-Class / CLS-Class Saloon w212 / Estate car S212 / CLS C218

Validity

Manufacturer	Model	Туре	EG-BE No. / ABE
Daimler AG	E-Class	W212	e1 * 2001 / 116 * 0501 *
Daimler AG	E-Class	S212	e1 * 2001 / 116 * 0501 *
Daimler AG	E-Class	S212K	e1 * 2007 / 46 * 0200 *
Daimler AG	CLS class	C218	e1 * 2007 / 46 * 0485 *

CLS (C218)

Motorisation	Fuel	Transmission type	Output in kW	Displacement in cm ³	Engine code
CLS 250 CDI	Diesel / R4	AG / SG	150	2143	651.924
CLS 350 CDI	Diesel / V6	AG	195	2987	642.854/ .853
CLS 350	Petrol / V6	AG	225	3498	276.952

AG = 7G - Tronic

SG = Manual transmission

Saloon (W212)

Motorisation	Fuel	Transmission type	Output in kW	Displacement in cm ³	Engine code
E 200 CDI	Diesel / R4	AG / SG	100	2143	651.925
E 220 CDI	Diesel / R4	AG / SG	125	2143	651.924
E 250 CDI	Diesel / R4	AG / SG	150	2143	651.924
E 300 CDI	Diesel / V6	AG	170	2987	642.852/.850
E 350 CDI	Diesel / V6	AG	155	2987	642.850
			170		642.856/.850
			185		642.858/ .852
			195		642.858/ .852
E 200 CGI	Petrol / R4	AG / SG	135	1796	271.820/ .977
E 250 CGI	Petrol / R4	AG	150	1796	271.860
E 350	Petrol / V6	AG	200	3498	272.977/276.952
E 350	Petrol / V6	AG	225	3498	276.952
E 350 CGI	Petrol / V6	AG	215	3498	272.983

AG = 7G - Tronic

SG = Manual transmission

Estate Car (S212)

Motorisation	Fuel	Transmission type	Output in kW	Displacement in cm ³	Engine code
E 200 CDI	Diesel / R4	AG / SG	100	2143	651.925
E 220 CDI	Diesel / R4	AG / SG	125	2143	651.924
E 250 CDI	Diesel / R4	AG / SG	150	2143	651.924
E 300 CDI	Diesel / V6	AG	170	2987	642.850
E 350 CDI	Diesel / V6	AG	155 170 185 195	2987	642.850 642.856/ .850 642.858/ .852 642.858/ .852
E 200 CGI	Petrol / R4	AG / SG	135	1796	271.860/.820
E 250 CGI	Petrol / R4	AG	150	1796	271.860
E 250	Petrol / R4	AG	150	2496	272.923
E 300	Petrol / V6	AG	185	3498	276.952
E 350	Petrol / V6	AG	200	3498	272.977/ .980
E 350 CGI	Petrol / V6	AG	215	3498	272.983
E 350	Petrol / V6	AG	225	3498	276.952

AG = 7G - Tronic

SG = Manual transmission

From Model Year 2009 Left-hand drive vehicle

Verified equipment variants:	Automatic air-conditioning Blue Efficiency / Blue Tec / 4 Matic Headlight washer system
Not verified:	AMG Optical package
Exclusion:	E 63 AMG M 274 motorisation
Total installation time:	about 12 hours

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Necessary Components

- Delivery scope of Thermo Top Evo Mercedes Benz E-Class / CLS-Class 2009 Petrol: 1315952C
- Delivery scope of Thermo Top Evo Mercedes Benz E-Class / CLS-Class 2009 Diesel: 1315953C
- · Heater controls 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

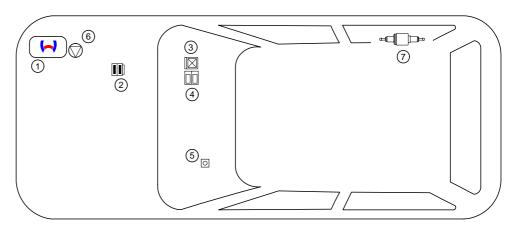
Installation instructions:

- 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

L	.egend	:

- 1. Heater
- 2. Fuse holder of engine compartment
- 3. PWM Gateway
- 4. Relay [2x]
- 5. Push button option
- 6. Circulating pump
- 7. 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.

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 must audibly snap into place during assembly.

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 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 win-

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.

Information on Validity

This installation documentation applies to the Mercedes Benz E-Class W212 / S212 Petrol and diesel vehicles starting with model year 2009 and later, as well as the CLS-Class C218 Petrol and diesel vehicles starting with model year 2011 and later - for validity, see page 1/2 -, 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 self-clamping 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
- Stepped drill bit
- · Webasto Thermo Test diagnosis with current software

Dimensions

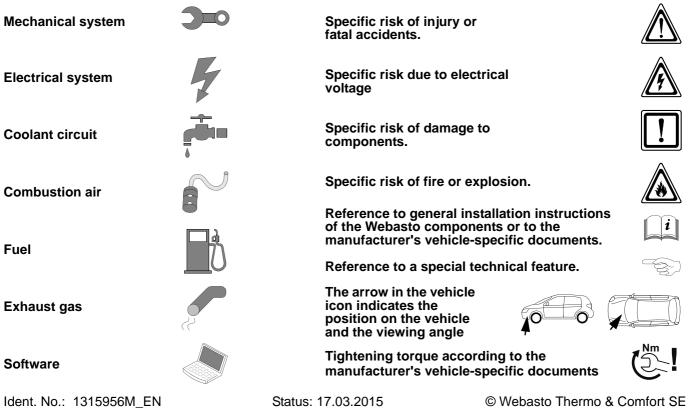
All dimensions are in mm.

Tightening torque values

- Tightening torgue values of 5x13 heater bolts = 8Nm.
- Tightening torque values of 5x15 retaining plate of water connection piece bolt = 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 Special features are highlighted using the following symbols: top right corner of the page in question to provide you with a quick overview of the individual working steps.



Preliminary Work

Vehicle

- Open the fuel tank cap.
- Ventilate the tank.
- Close the fuel tank cap again.
- Depressurise the cooling system.
- Disconnect the battery earth connection.
- Remove the trim of the passenger compartment fan air intake.
- Remove the windscreen wipers.
- Remove the coolant reservoir cap.
- Remove the strut brace on the left.
- Remove the windscreen wiper motor fully.
- Remove the cover of the air intake for the passenger compartment fan in the engine compartment on the right.
- Remove the battery with the carrier fully.
- Remove the battery control unit.
- Remove the engine design cover.
- Remove the intake manifold (right).
- Remove the lower engine cover.
- Remove the lower vehicle trim (right).
- Remove the right-hand front wheel.
- Remove the wheel well trim (right).
- Remove the seat of the rear bench seat.
- Remove the fuel-tank sending unit in accordance with the manufacturer's instructions (right).
- Cover below the instrument panel on the driver's side.
- Remove the door sill panel trim at the front right.
- Remove the lower A-pillar trim at the front right.
- Fold back the front cover in the footwell on the front passenger's side, loosen the cover plate (plastic nuts) and tilt back.
- Remove the front A/C control panel.
- Remove the shift lever cover or storage compartment in case of 7-speed automatic.
- Remove the ashtray or storage compartment with the socket outlet below the A/C control panel.
- Drain off the engine coolant according to 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 inside the engine compartment.

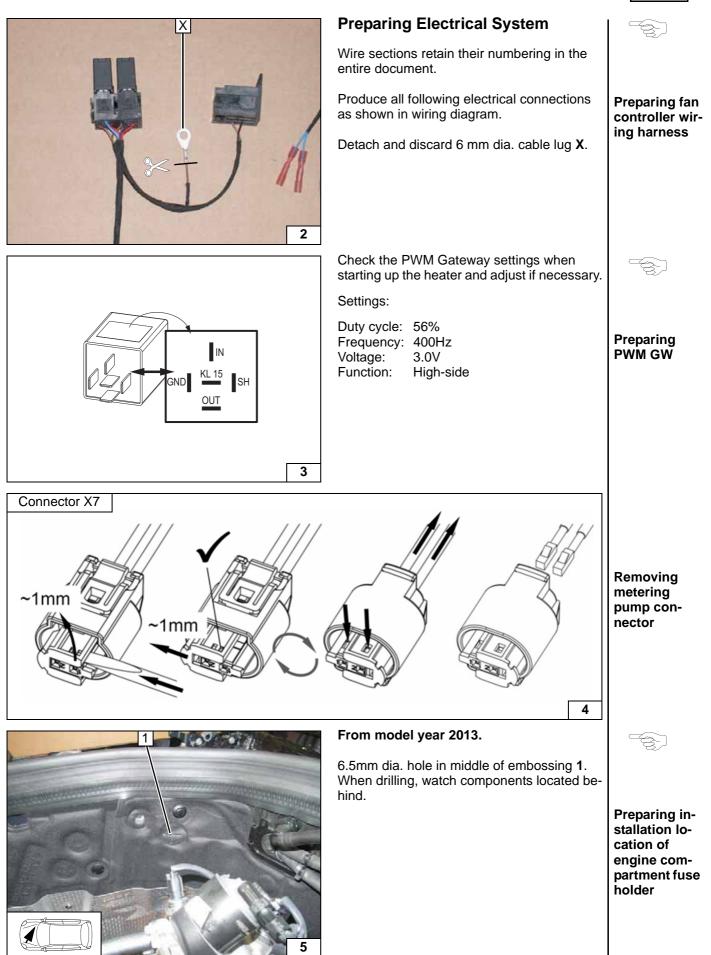


Heater Installation Location

1 Heater

Installation location







Wiring harness routing and pass through

- 1 Protective rubber plug, wiring harnesses of heater and heater control
- 2 Wiring harness to heater in 10mm dia. corrugated tube

Earth wire

- 1 Earth wire, 6 mm dia. cable lug
- 2 Original vehicle earth support point





Wiring har-

diagram

ness routing

6 ─── ۳C **C** Do not route wiring harness of metering pump until later together with fuel line on underbody 0 1 8 9 1 3 2

Fuse holder of engine compartment

Replace F2 with 1 A fuse.

- Remove clip (only up to MY 2012), hole, M6x20 bolt, angle bracket, large diameter washer, flanged nut
- 2 F1+2 fuses mounted
- 3 M5x12 bolt, washer [2x], retaining plate of fuse holder, flanged nut

Positive wire

Manufacturer installs different positive support points. Connect power supply of heater **1** to positive terminal (battery or starter cable of positive support point).



Fan Controller i **Mercedes** Webasto 30 15 Wiring dia-HG gram F X2 \1 \2 2 \5 \X1 € F2 F1 (ro/ge sw/gn)* ws 0.52 rt 42 (ro/ge sw/gn)* (7) rt \$2 \$4 \$1 (5) 0,52 0,75² GE M rt/sw 0,5² A ge 0,5 sw (8) br (4)0,52 0.52 gn/ws ws (6)KI.31 0,752 0.5 $\mathbf{A} \mathbf{A} \mathbf{A}$ ⋏ X10 St 4 🔥 4 🔥 1 (\mathbf{H}) KΒ sw 0,5² OUT SH St 4 $\forall 3 \forall 2$ 586 **_**87 **_**87a PWM rt 0,5² GW LIN-Bus K1 bl 0,5² ′85 **\$**30 bl 'GND 0,52 br rt 0,5² 0,52 rt (1)0,54 Å86Å87∧87a M В M Ŵ (M) K2 85 🖞 30 br 2 0.5 br br (9) • (3) 0,5² 0,52 31 Webasto components Vehicle components Colours and symbols HG TT-Evo heater F fuse rt red X1 GE Fan unit white 6-pin heater connector ws X2 A Socket outlet/lighter black 2-pin heater connector sw F1 20A fuse KΒ A/C control panel bl blue Legend F2 Replace 30A fuse with ST 4 4-pin connector of wiring ge yellow 1A fuse. harness (KB) В Flap positioning module br brown X10 green 4-pin connector of heater gn control red/black rt/sw K1 Fan relay gn/ws green/white PWM Pulse width modulator ro/ge pink/yellow

Additional relay

3.0V

High-side

PWM GW settings: Duty cycle: 56% Frequency: 400Hz

GW

K2

Voltage:

Function:

sw/gn

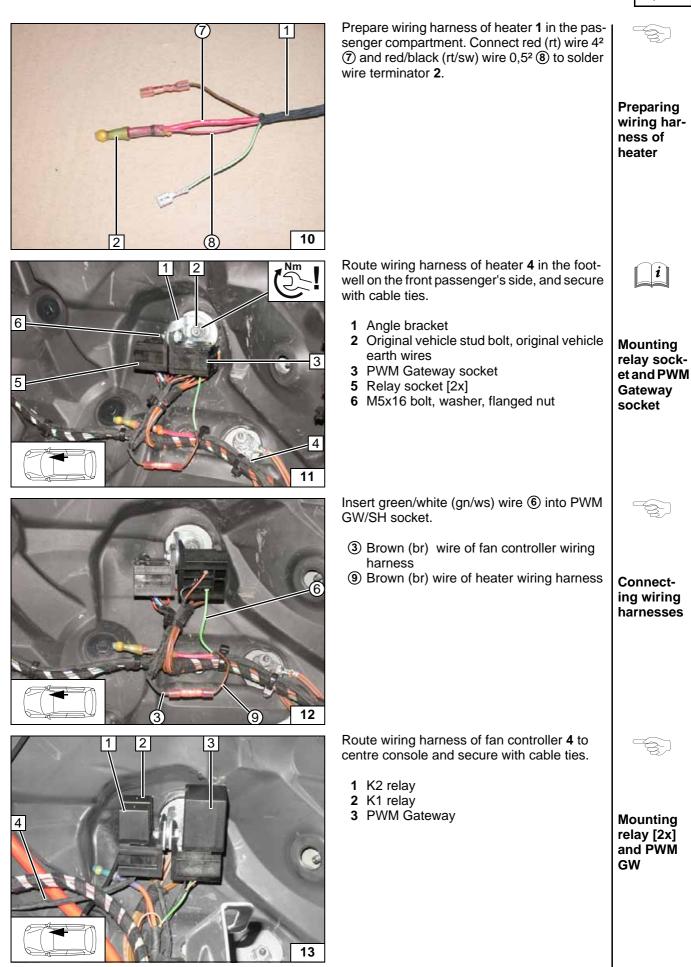
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black/green

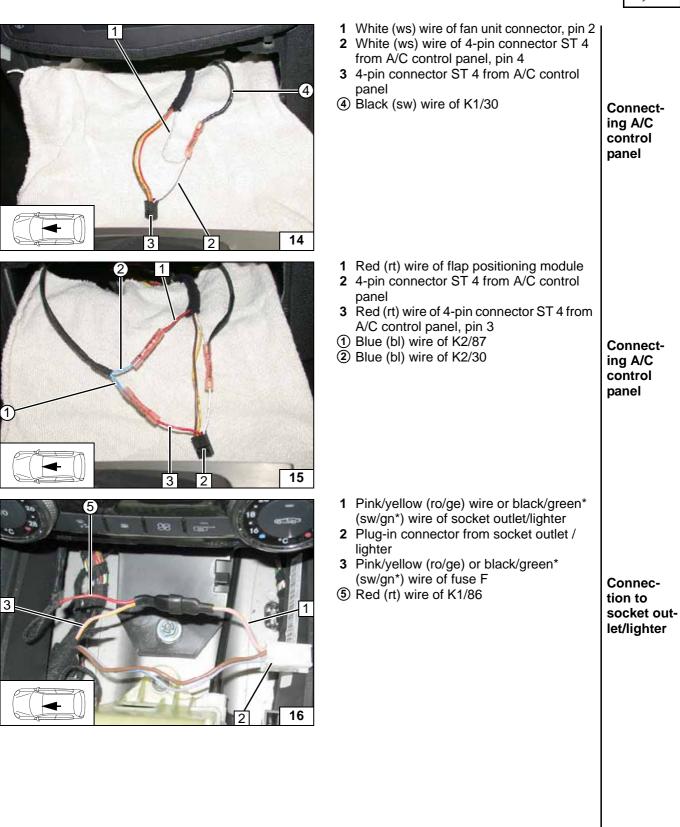
Cutting point Wiring colours may vary

depending on the equipment





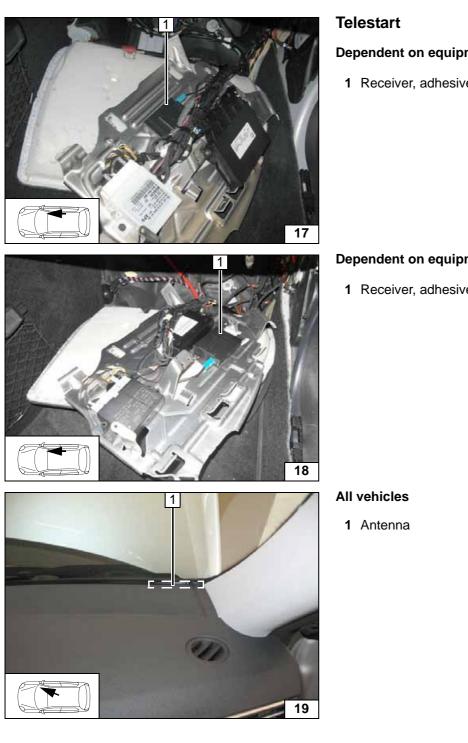






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Installing receiver



Dependent on equipment, version 1

1 Receiver, adhesive tape

Dependent on equipment, version 2

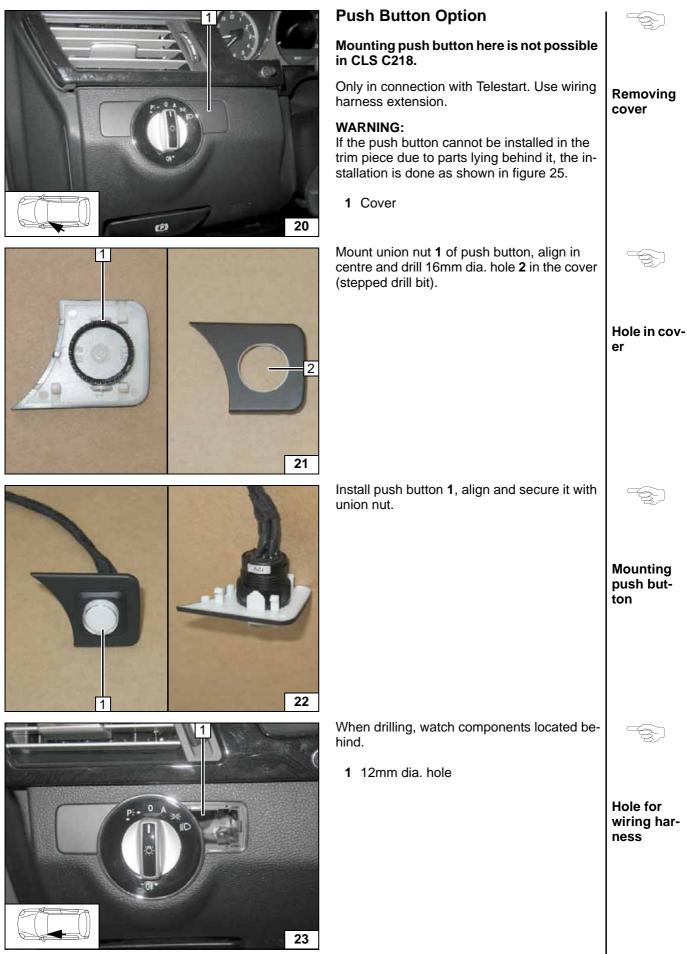
1 Receiver, adhesive tape



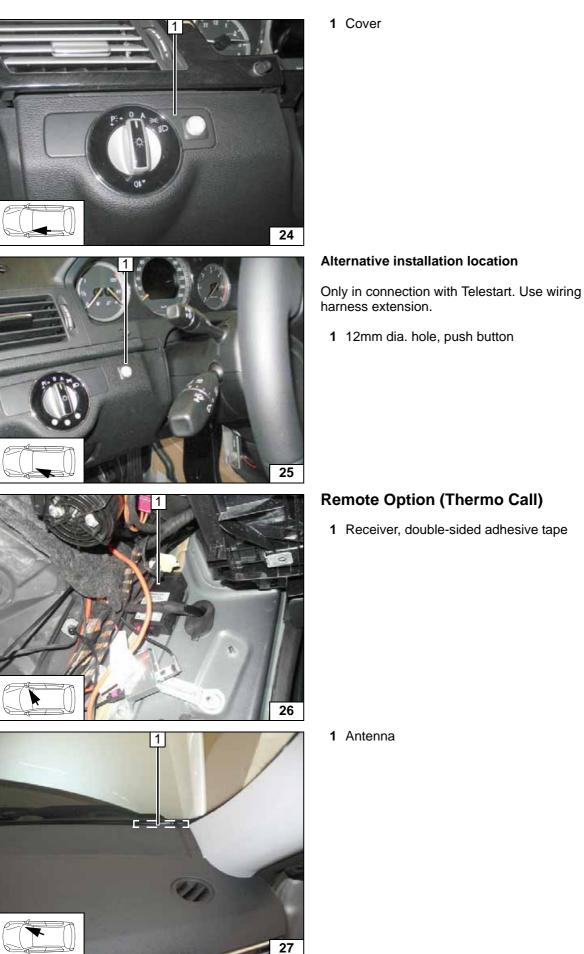
Installing receiver

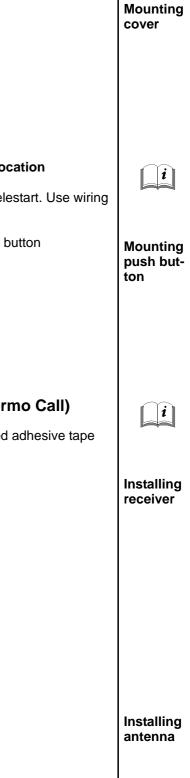
Installing antenna



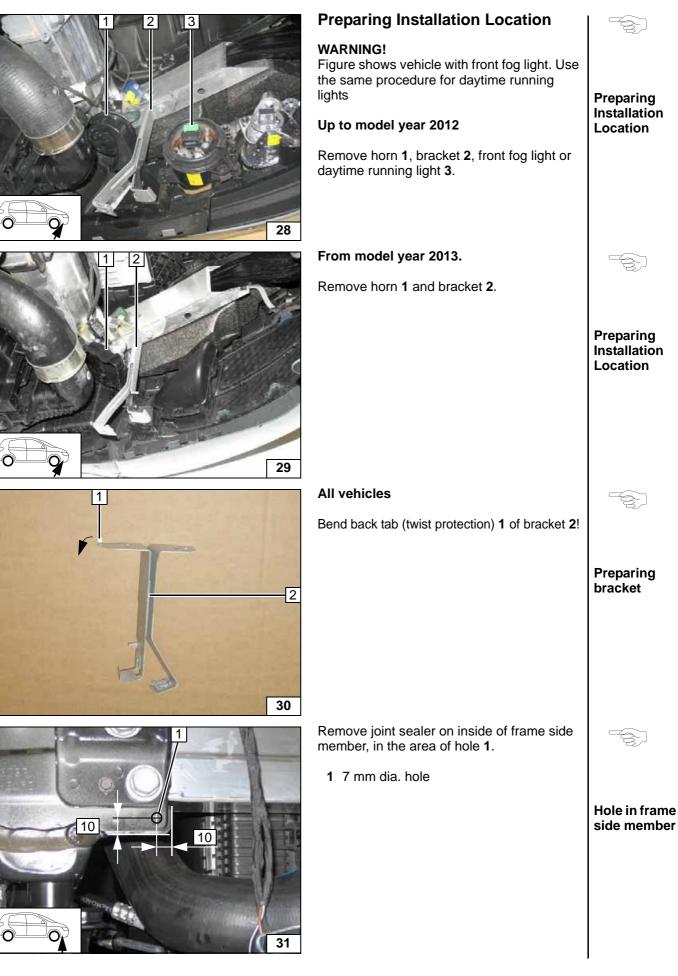




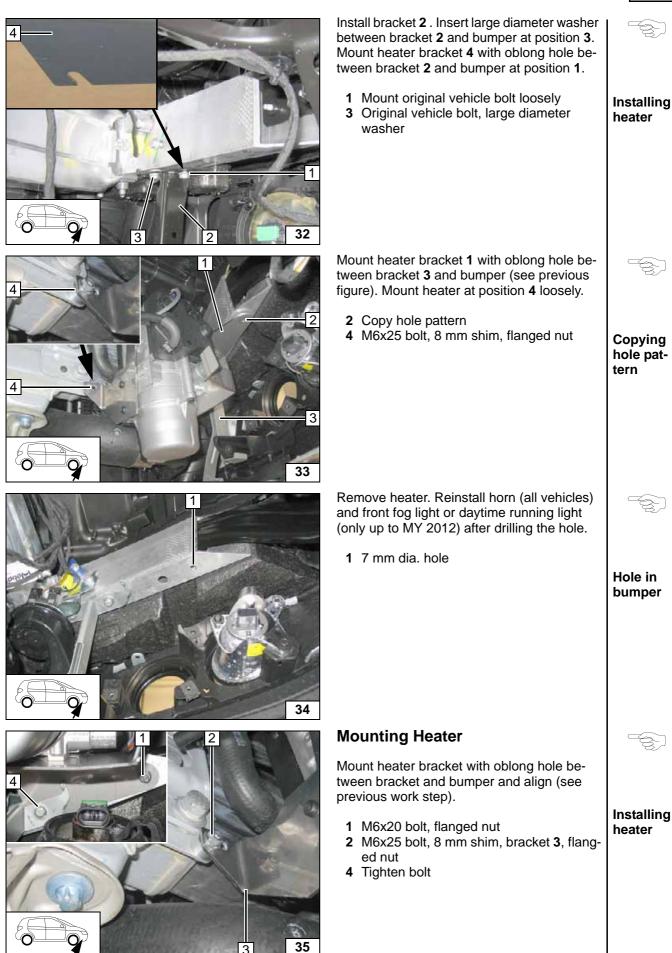








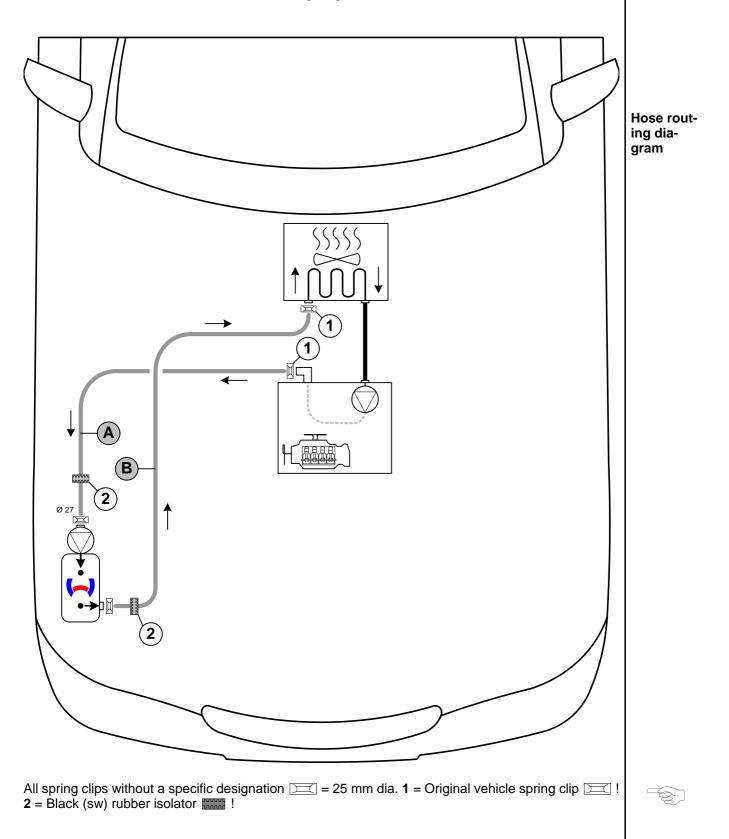




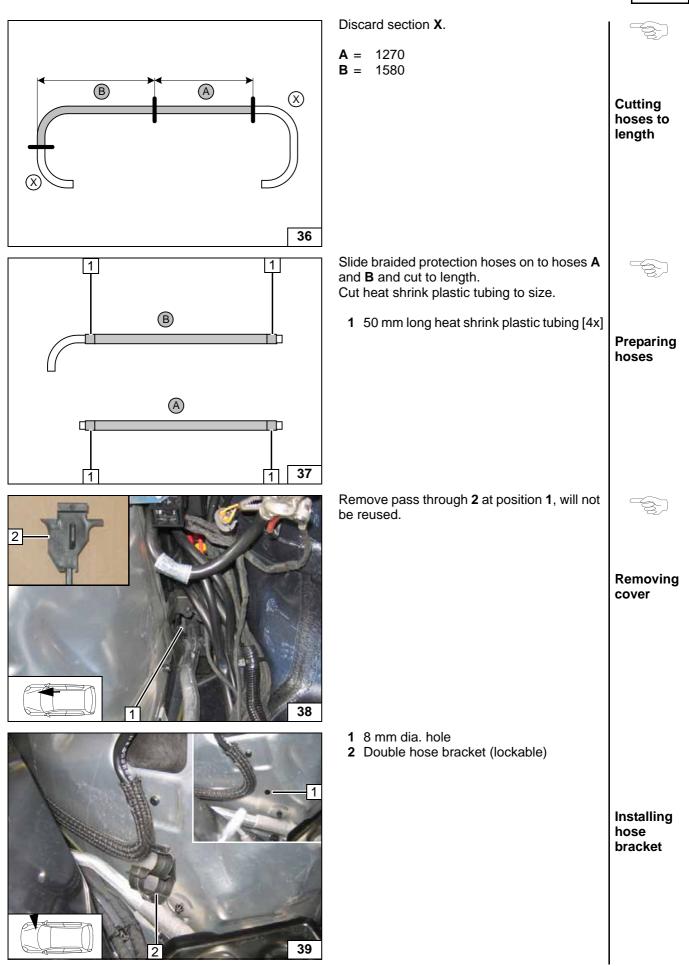
Coolant Circuit

WARNING!

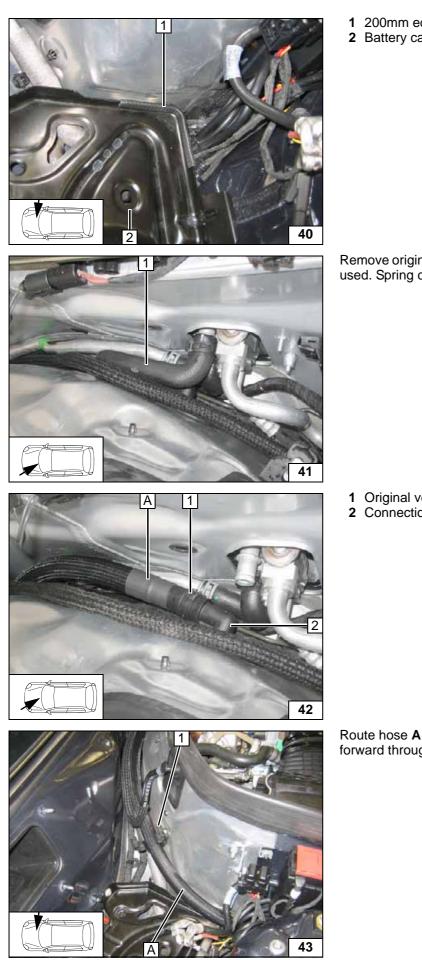
Any coolant running off should be collected using an appropriate container. Install hoses so that they are kink-free. Unless specified otherwise, always fasten using cable ties. Position clamps so that no other hose can be damaged. When installing the hoses, the heater must be filled with coolant. The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





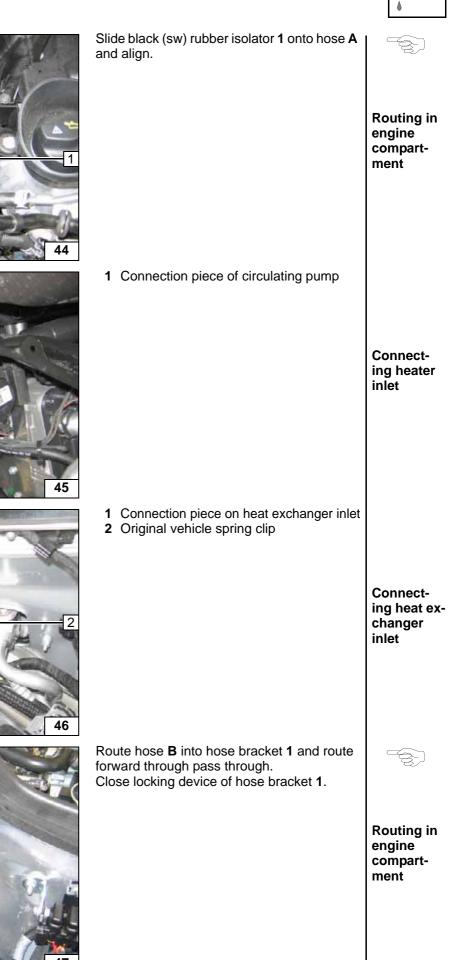


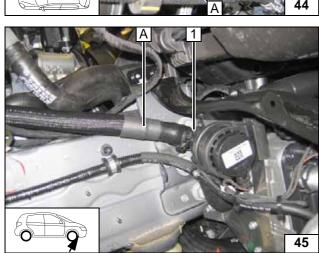


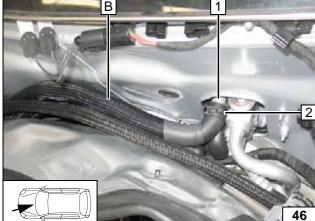


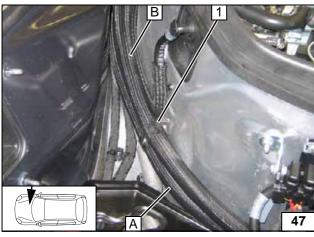
	٩
 200mm edge protection Battery carrier 	
	Installing edge pro- tection
Remove original vehicle hose 1 , will not be re- used. Spring clips will be reused.	(for
	Cutting point
1 Original vahiala anzing alin	
 Original vehicle spring clip Connection piece on engine outlet 	
	Connec- tion of en- gine outlet
Route hose A into hose bracket 1 and route forward through pass through.	
	Routing in engine compart- ment













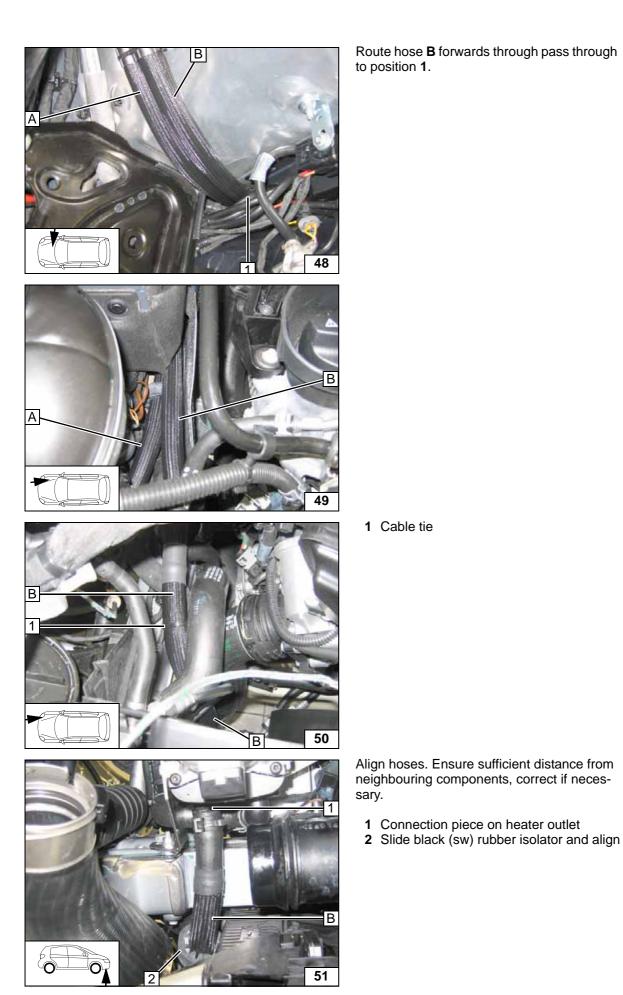
Routing in engine compartment

Routing in engine compartment

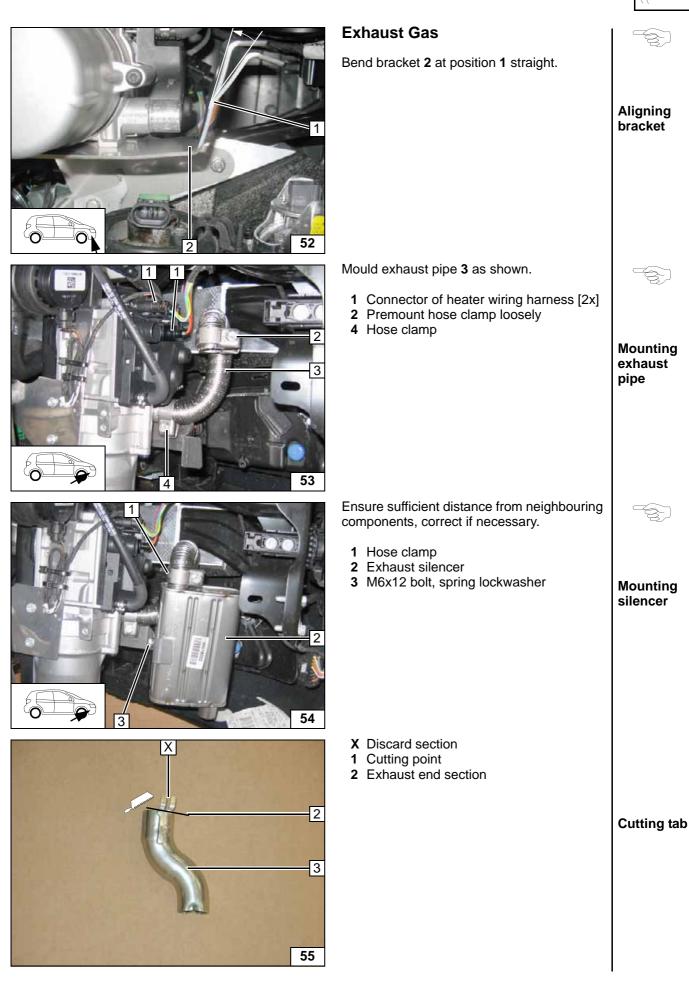
Routing in engine

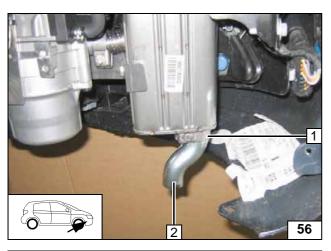
compartment

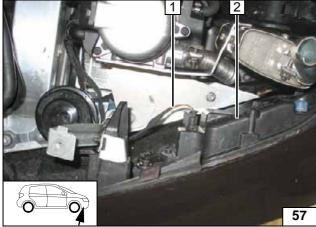
Connecting heater outlet

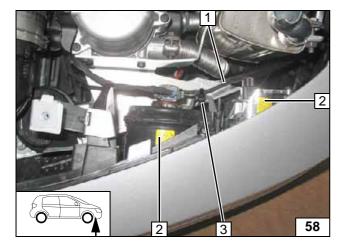












- 1 Hose clamp
- 2 Exhaust end section



Mounting exhaust end section

Up to model year 2012

Version with LED daytime running light

Secure wiring harness ${\bf 1}$ of LED TFL ${\bf 2}$ with cable ties.

Version with front fog light and cornering light

Secure wiring harness **1** of front fog light and cornering light **2** with cable tie **3**.



Securing wiring harness

Securing wiring harness

Fuel

CAUTION!

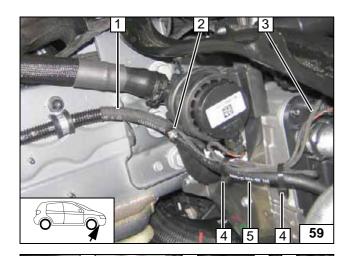
Open the vehicle's fuel tank cap, ventilate the tank and then re-close the tank lock.

Catch any fuel running off in an appropriate container.

Route 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!

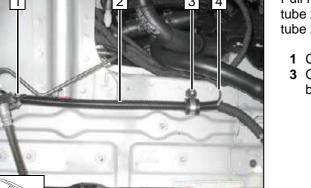
The fuel line and wiring harness are routed to the metering pump as shown in the wiring harness routing diagram.



Cut 10mm dia. corrugated tube to length by 950 mm.

Push 8x12 mm dia. hose section **1** as rub protection onto the fuel line. Pull fuel line into 10 mm dia. corrugated tube. Secure moulded hose **5** and wiring harness of circulating pump **3** with cable ties **4** [2x].

2 Fuel line, 10mm dia. clamp



Pull fuel line **4** into 10 mm dia. corrugated tube **2**. Route 10 mm diameter corrugated tube **2** in wheel well.

- 1 Cable tie
- 3 Original vehicle stud bolt, 15mm dia. rubber-coated p-clamp, plastic nut lines

Degrease adhesive surface for adhesive base **1**.

- 1 Adhesive base, cable tie
- 2 10 mm dia. corrugated tube

Routing lines







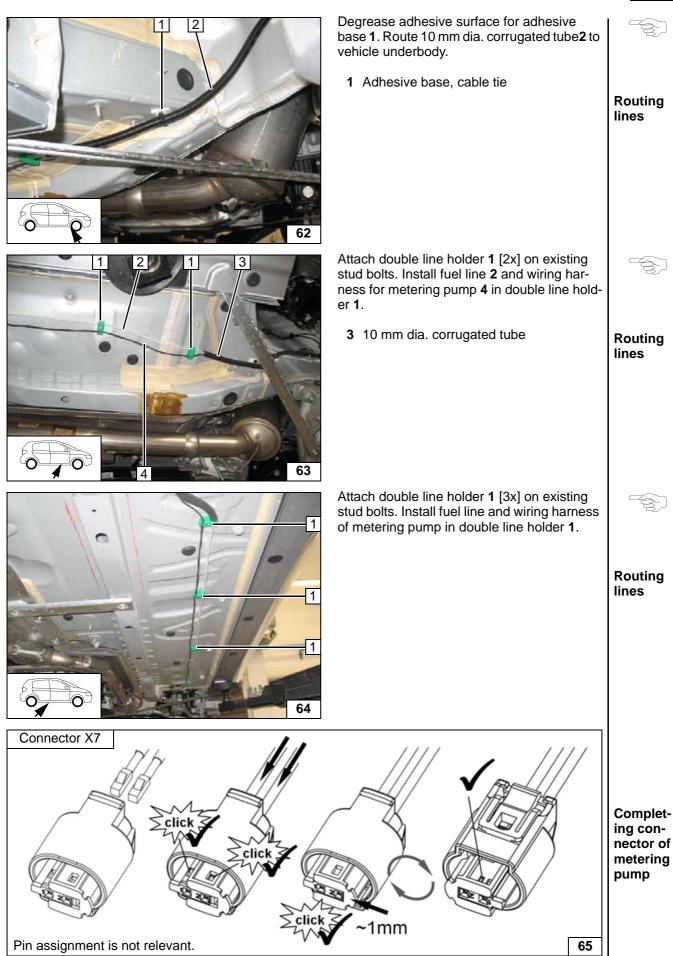


Connection of heater

61

60







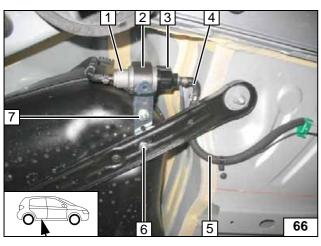
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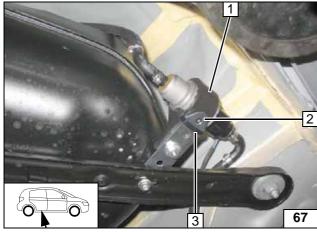
Mounting /

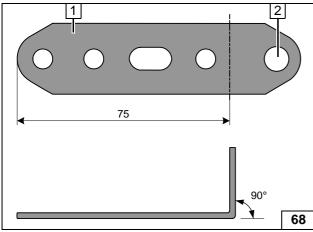
connecting

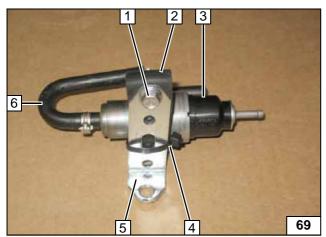
metering

pump









60L Fuel Tank Metering Pump

- 1 Metering pump
- 2 Metering pump support
- 3 Wiring harness of metering pump, connector X7 mounted
- 4 90° moulded hose, 10 mm dia. clamp [2x], heater fuel line
- 5 6x11 fabric protective hose on heater fuel line
- 6 Original vehicle hole, M6x12 bolt, flanged nut
- 7 Perforated bracket, M6x25 bolt, support angle bracket, flanged nut

Install cable ties 3 through mounting of metering pump 1 and around perforated bracket 2.



Installing metering pump

Preparing

perforated

Premount-

ing metering pump

bracket

80L Fuel Tank and BR 218 Metering Pump

Up to model year 2012.

Angle down perforated bracket 1 and drill hole at position 2 to 8.5mm dia.

- 1 M6x25 bolt, support angle bracket, flanged nut
- 2 Metering pump support
- 3 Metering pump
- 4 Cable tie
- 5 Perforated bracket
- 6 180° moulded hose, 10 mm dia. clamp



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Mounting

metering

Shortening moulded hose

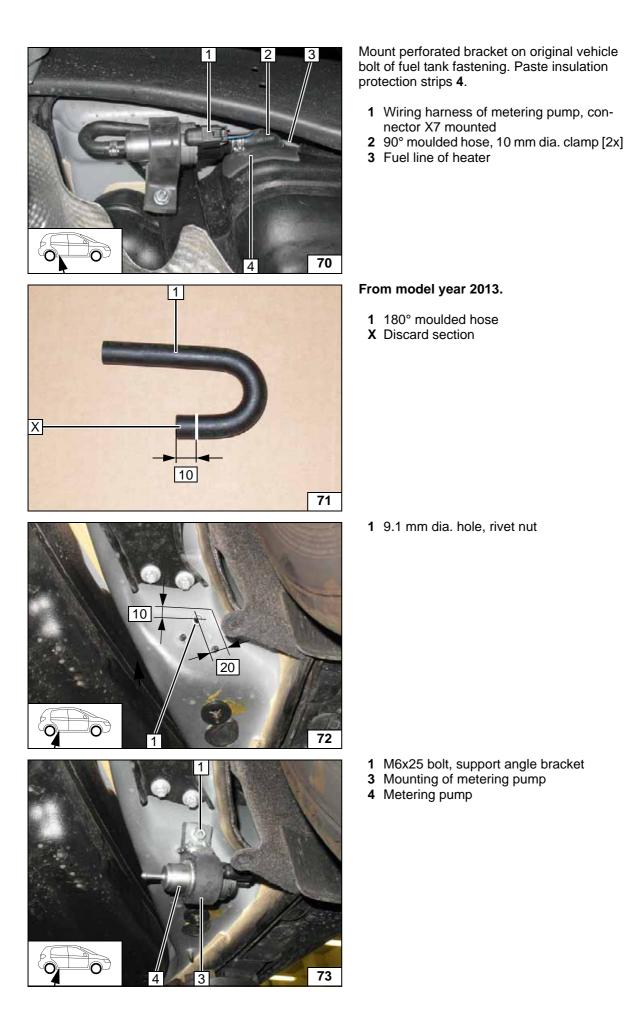
Installing

rivet nut

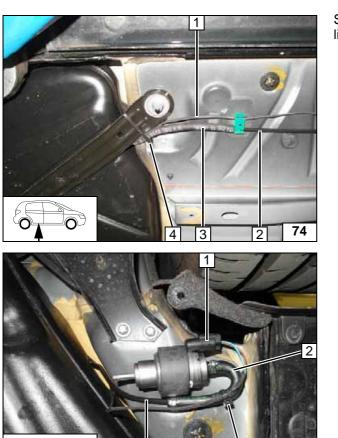
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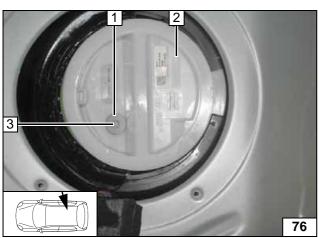
Mounting metering pump

pump



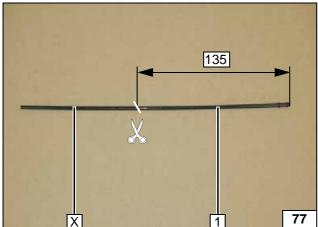






4

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Slide 6x11 fabric protective hose3 onto fuel line of heater 2. 1 Metering pump wiring harness 4 Cable tie Routing lines 1 Wiring harness of metering pump, coni nector X7 mounted 2 Moulded hose 180°, 10 mm dia. clamp[2x] 3 Cable tie 4 Fuel line of heater Connection of metering pump 75 **Diesel Fuel Standpipe** Remove fuel-tank sending unit 2 in accordance with manufacturer's instructions. When drilling, make sure drilling chips do not get into the fuel tank or fuel-tank sending unit. 1 Large diameter washer with outer dia. $d_a = 21.6 \text{ mm}$ 3 Copy hole pattern, 6 mm dia. hole Cut standpipe 1 at an angle. X Discard section size

Fuel extraction

Cutting standpipe to 끮

1

78

79

2

fuel standpipe.

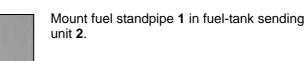
3 Standpipe

1 8 mm dia. clamp

4 10 mm dia. clamp

1







Observe tightening torque of **5** Nm of flanged nut **1** from fuel standpipe.

Fit 3.5 mm dia. end of hose section 2 onto

2 Hose section3.5x4.5 mm dia.



Installing fuel standpipe



Mounting standpipe

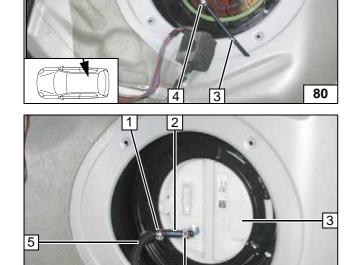
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Mounting

fuel line

Mount fuel-tank sending unit **3** in accordance with manufacturer's instructions. Fit 3.5 mm dia. end of hose section **2** onto fuel standpipe.

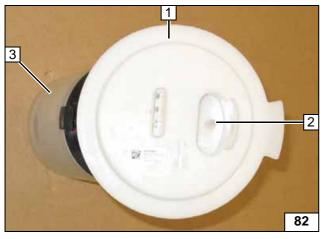
- **1** 10 mm dia. clamp, fuel line
- 2 Hose section3.5x4.5 mm dia.
- 4 8 mm dia. clamp
- 5 6x11 fabric protective hose on fuel line

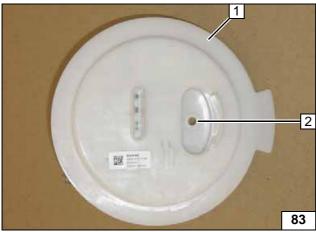


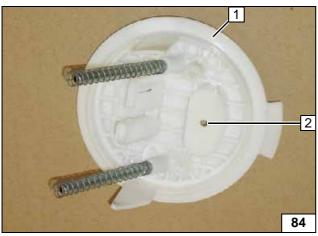
Ident. No.: 1315956M_EN

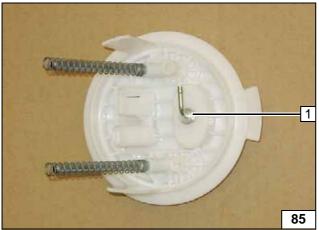
81











Petrol Fuel Standpipe

Up to model year 2012

Remove the fuel-tank sending unit in accordance with the manufacturer's instructions. Remove upper section 1 from lower section 3 in accordance with manufacturer's instructions. Cut off original vehicle connection piece 2 flush (see next figure).

Ensure an even surface in area 2.

1 Upper section of fuel-tank sending unit, outside



Fuel ex-

traction

Preparing fuel-tank sending unit

- 1 Upper section of fuel-tank sending unit, inside
- 2 6 mm dia. hole (in the middle of the area where the connection piece was removed)



Preparing fuel-tank sending unit

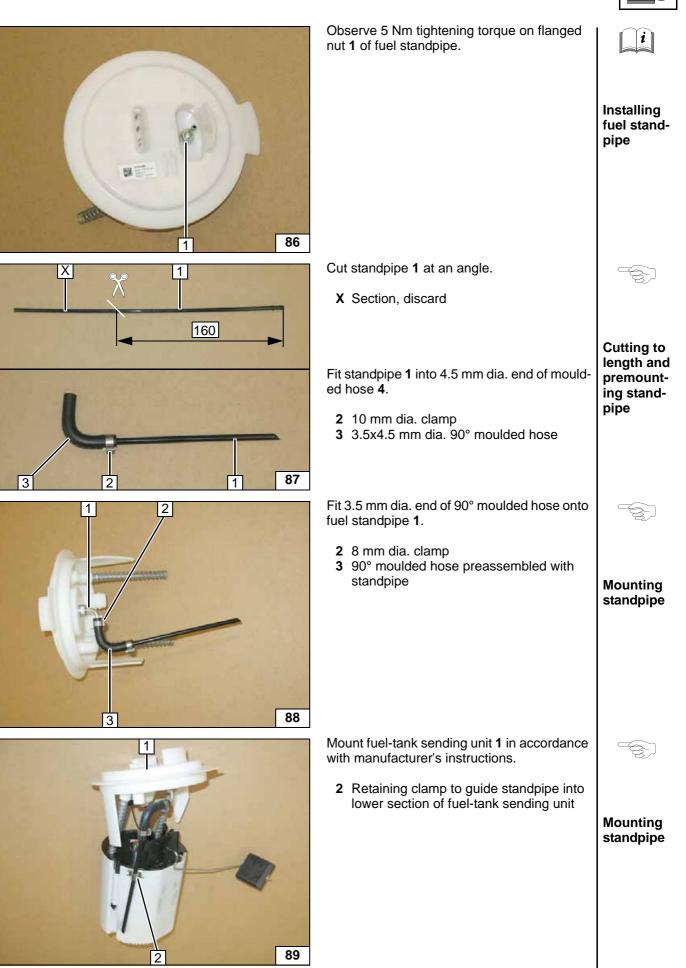
1 Fuel standpipe



Installing fuel standpipe







1





Mount fuel-tank sending unit **1** in accordance

with manufacturer's instructions. Mount 3.5 mm dia. end of moulded hose 4 onto fuel

3 3.5x4.5 mm dia. 90° moulded hose

6 6x11 fabric protective hose on fuel line

standpipe 2.

5 Fuel line

3

4

2 8 mm dia. clamp

4 10 mm dia. clamp

Mounting line



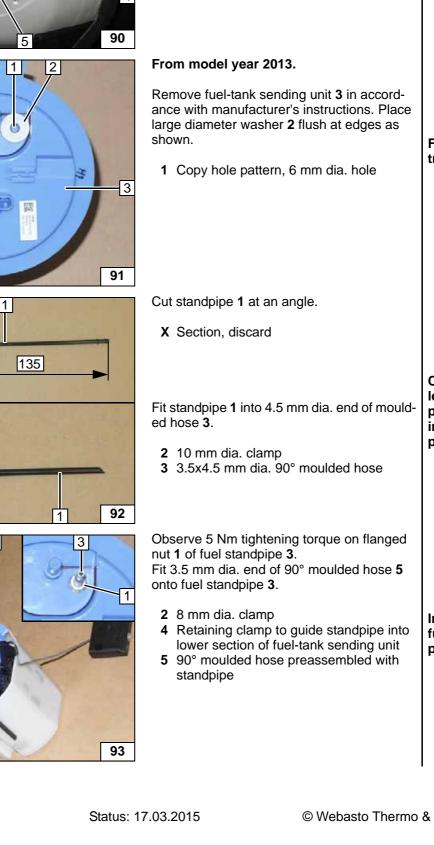
Fuel extraction

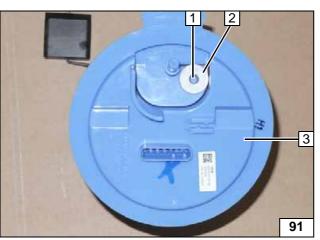


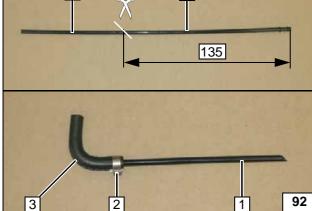
Cutting to length and premounting standpipe



Installing fuel standpipe

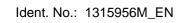






2

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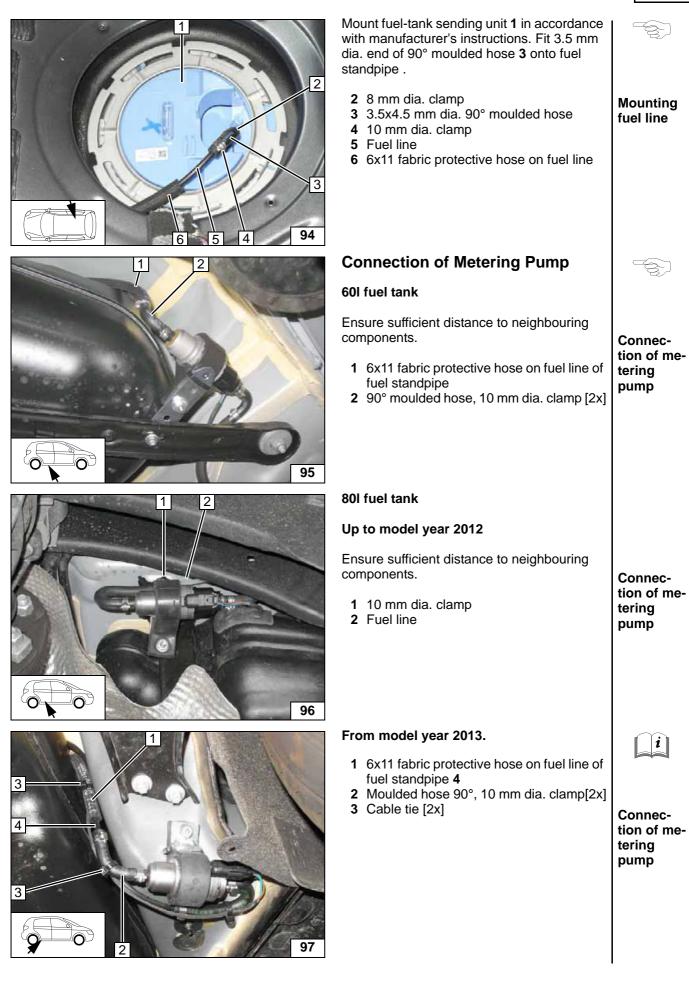


4

3

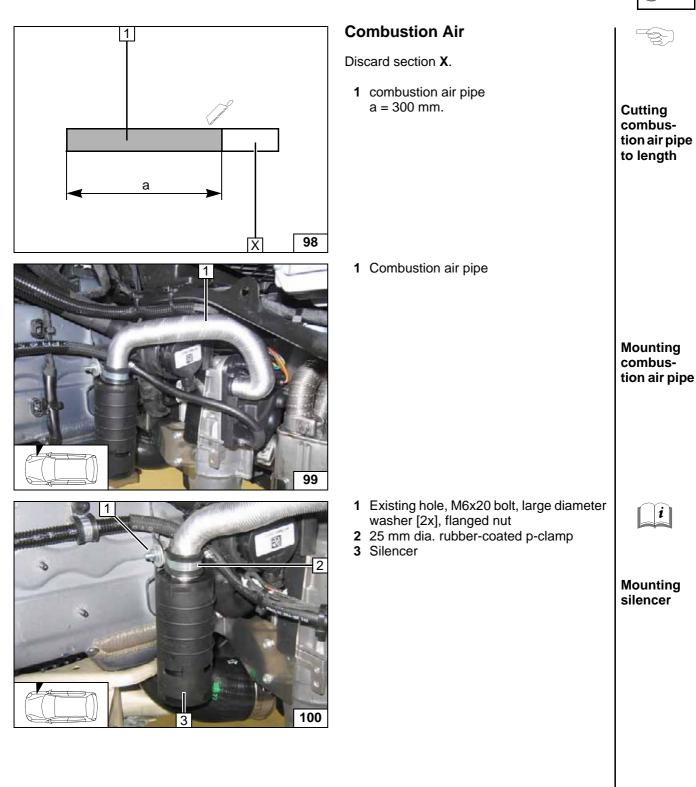
5







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WARNING!

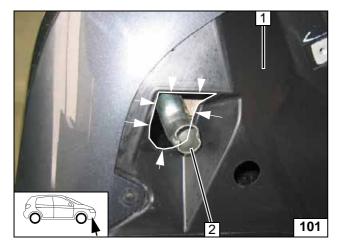
Reassemble the disassembled components in reverse order. Check all hoses, clamps and all electrical connections for firm seating. Secure all loose wires using cable ties.

Only use manufacturer-approved coolant. Spray the heater components with anti-corrosion wax (Tectyl 100K, Order No. 111329).

- Connect battery
- Fill and bleed the coolant circuit according to the vehicle manufacturer's instructions.
- Teach Telestart according to "Installation documentation T91 / T100 HTM", adjust digital timer if necessary
- Activate push button according to "Installation documentation T91 / T100 HTM" (adjustment of switch input)
- Define settings of A/C control panel according to the "TT-Evo Operating and Maintenance Instructions"
- Place caution label "Switch off parking heater before refuelling" in the area of the filler neck.
- For initial start-up and function check, see installation instructions

WARNING:

After conducting an operating test of the parking heater, carry out an "input short test" with the "Diagnosis assistance system" of the manufacturer on the vehicle. Reprogram the positioning motors in the KLA air conditioner.



Cut out wheel well trim 1 at the marking. Exhaust end section 2 must be placed in the middle of the recess and it must be aligned flush with wheel well trim 1, if necessary, correct exhaust end section 2.





Aligning exhaust end section

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



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