

K Installation documentation

for Thermo Top Evo water heater

Jeep Compass

Left-hand drive vehicle

Manufacturer	Model	Type	Model year	EG-BE-No. / ABE
Jeep	Compass	MX	from 2017	e11* 2007/46* 4037*...

Motorisation	Fuel	Emission standard	Transmission type	Output[kW]	Displacement[cm ³]	Engine code
1.4P	Petrol	Euro 6	SG	103	1368	T247088
1.4P	Petrol	Euro 6	AG	125	1368	T663549
1.6D	Diesel	Euro 6	SG	88	1598	T690240
2.0D	Diesel	Euro 6	AG	103	1998	T655509

Validity	Equipment variants	Model
		Compass
Verified equipment variants	Manual air-conditioning	x
	Automatic air-conditioning	x
	Halogen main headlights	x
	Xenon main headlights	x
	Halogen front fog lights	x
	Start button	x
Unverified equipment variants	Headlight washer system	x
	Alarm system	x
	LED front fog lights	x

Total installation time	Note
9.5 hours	

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1 List of abbreviations

AG	Automatic transmission
CCL	CCL GW
DP	Fuel pump
EFIX	Exhaust end fastener
FF	FuelFix (tank extracting device)
HG	Heater
SG	Manual transmission
SH2	Engine compartment fuse holder for F1/F2
UP	Coolant pump

2 Installation notes

2.1 Information on Validity

This installation documentation applies to vehicles listed on 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.

2.2 Components used

Designation	Order number
Basic delivery scope of Thermo Top Evo in accordance with price list	In accordance with price list
Installation kit (including cold start kit) Jeep Compass 2017 petrol and diesel	1326108A
Additional 'Webasto Comfort' A/C control kit for Jeep	1325260_
In case of Telestart, control element, as well as indicator lamp in consultation with end customer	In accordance with price list

2.3 Information on Total Installation Time

The total installation time includes the time needed for mounting and demounting 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.

2.4 Installation recommendations

Arrange for the vehicle to be delivered with the tank only about $\frac{1}{4}$ full.

For the MultiControl CAR option, the recommended installation locations for the Telestart or ThermoCall push button should be confirmed with the end customer.

Depending on the space required and the vehicle manufacturer's instructions, we recommend the use of a vehicle battery with a higher electrical capacity.

3 About this document

3.1 Purpose of the document

This installation documentation is part of the product and contains information for the correct vehicle specific installation of the:

Thermo Top Evo heater

3.2 Warranty and liability

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 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.

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 start-up 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.

3.2.1 Statutory regulations governing installation

The Thermo Top Evo heater has been type-tested and approved in accordance with ECE-R 10 (EMC) and ECE-R 122 (heater). 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.

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

3.3 Safety

Qualifications of installation personnel

The installation personnel must have the following qualifications:

- Successful completion of Webasto training
- Corresponding qualification for working on technical systems

Regulations and legal requirements

The regulations from the heater's general installation and operating instructions must be observed.

3.3.1 Safety information on installation

Danger posed by live parts

- ▶ Prior to installation, disconnect the vehicle from the voltage supply.
- ▶ Make sure the electrical system is earthed correctly.
- ▶ Always comply with legal requirements.
- ▶ Observe data on type label.

Danger of fire and leaking toxic gases due to improper installation

- ▶ Vehicle parts in the vicinity of the heater must be protected against excessive heating by the following measures:
 - ⇒ Maintain minimum safety distances.
 - ⇒ Ensure adequate ventilation.
 - ⇒ Use fire-resistant materials or heat shields.

Danger due to sharp edges

- Lacerations
- Short circuit due to electrical wire damage
- ▶ Fit protectors on sharp edges.

3.4 Using this document

Before installing and operating the heater, read this installation documentation, the installation instructions of the heater, the operating instructions and supplementary sheets provided.

3.4.1 Explanatory Notes on the Document

There is an identification mark near the respective work step to allow you to quickly allocate the other applicable documents to the Webasto components to be installed:

Generally valid Webasto documentation	
Vehicle-specific installation documentation	
Webasto Comfort A/C control	
Webasto Standard A/C control	
Tank extracting device (e.g. FuelFix)	
Exhaust end fastener (EFIX)	
Combustion air intake silencer	
Spacer bracket (ASH)	

3.4.2 Use of symbols



DANGER

Type and source of the risk

Consequences: Failure to follow the instructions can result in death

► Actions to protect yourself against risks.



WARNING

Type and source of the risk

Consequences: Failure to follow the instructions can lead to serious or even fatal injuries

► Actions to protect yourself against risks.



CAUTION

Type and source of the risk

Consequences: Failure to follow the instructions can lead to minor injuries

► Actions to protect yourself against risks.



Type and source of the risk

Consequences: Failure to follow the instructions can lead to material damage

► Actions to protect yourself against risks.



Reference to the vehicle manufacturer's specific documents.



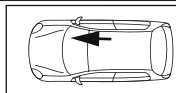
a note on a special technical feature

3.4.3 Work step identification marks

The ongoing work step is indicated on the outside top corner of the page:

Mechanical system	Electrical System	High-voltage	Coolant
Combustion air	Fuel	Exhaust gas	Software

3.4.4 Orientation aid



The arrow indicates the position on the vehicle and the viewing angle

3.4.5 Use of highlighting

Highlight	Explanation
►	Necessary action
⇒	Result of an action
1 / 12 / a1 / A	Position numbers for the image descriptions
1 / 12	Position numbers for the image descriptions for electrical wires and wiring harnesses and coolant hose sections

4 Technical information

Dimension specifications

- All dimensions specified in mm

Tightening torque specifications

- Tightening torque values of 5x13 heater bolts and 5x11 heater stud bolts = 8Nm
- Tightening torque values of 5x15 retaining plate of water connection piece bolts = 7Nm
- 5x12 bolt tightening torque of 2-part heater bracket = 6Nm
- Tighten other bolt connections in accordance with manufacturer's instructions or in accordance with state-of-the-art-technology

Specified temperature for fabric heat shrink tubing

- Shrink temperature max. 230°C

Necessary 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 - 6 mm²
- Crimping pliers for cable lugs 0.5 – 10 mm²
- Torque wrench for 2.0 - 10 Nm
- Hose clamping pliers
- Deep-hole marker
- Metric thread-setter kit
- Webasto Thermo Test Diagnosis with current software

5 Preparing measures

5.1 Vehicle preparation



Further information can be found in the vehicle manufacturer's technical documentation.

- ▶ Open the fuel tank cap
- ▶ Ventilate the fuel tank
- ▶ Close the fuel tank cap again
- ▶ Depressurise the cooling system
- ▶ Drain off the coolant
- ▶ Disconnect the battery and remove it with the carrier
- ▶ Remove the windscreen wipers
- ▶ Remove the coolant reservoir cap
- ▶ Remove the left front wheel
- ▶ Remove the left wheel-well inner panel
- ▶ Detach the front part of the right wheel-well inner panel
- ▶ Remove the bumper trim
- ▶ Remove the A-pillar trim on the left
- ▶ Remove the lower instrument panel trim on the left
- ▶ Remove the rear bench seat
- ▶ Open the tank fitting service lid on the left

5.2 Heater preparation



Observe the general installation instructions of the 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.

6 Installation overview

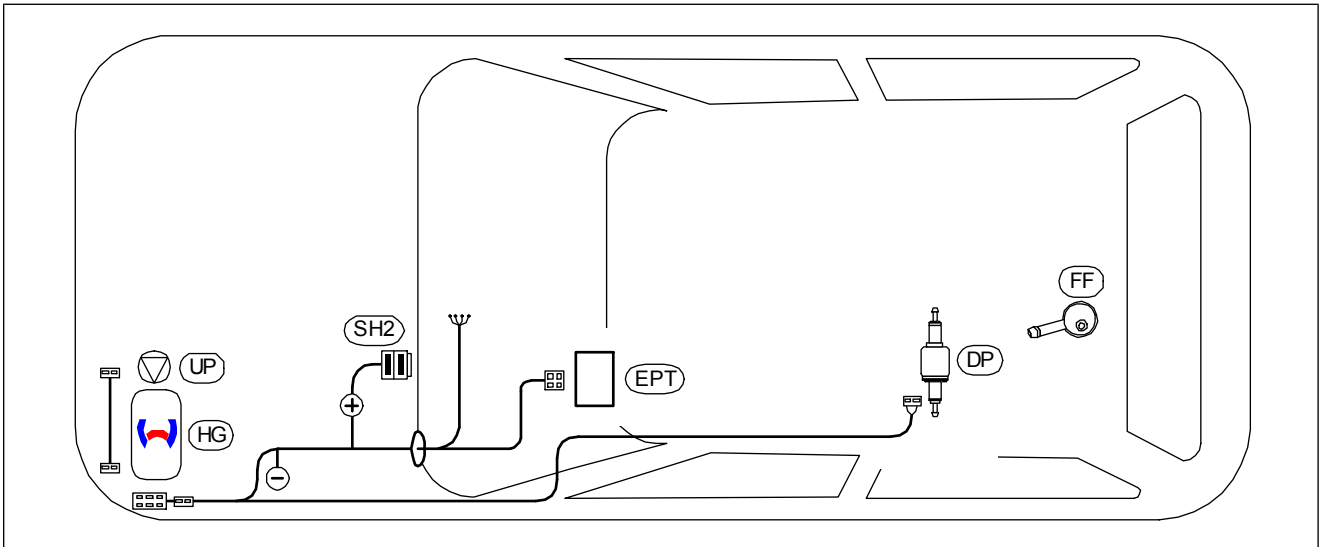
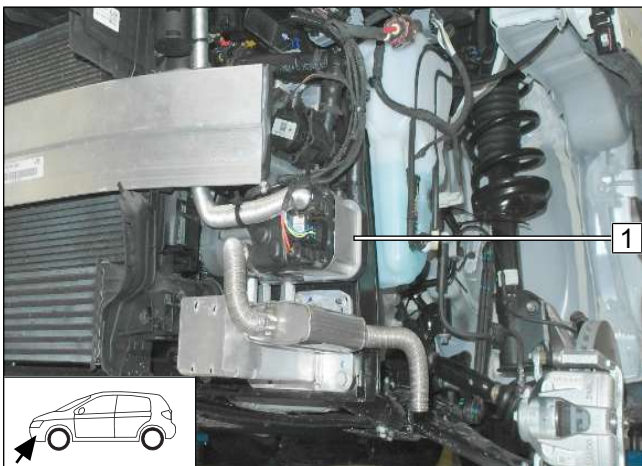


Fig. 1

Legend to installation overview

Abbreviation	Component
DP	Fuel pump
FF	FuelFix
HG	Heater
EPT	Telestart receiver
SH2	Engine compartment fuse holder for F1/F2
UP	Coolant pump

Heater installation location



1 Heater

Fig. 2



7 Electrical system of engine compartment

Mounting SH2

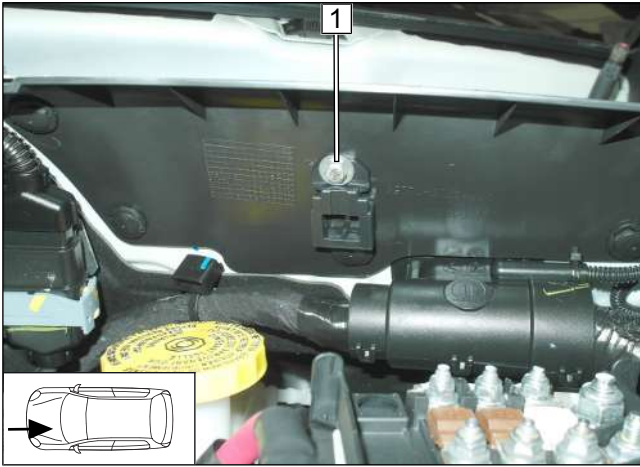


Fig. 3

► Drill 5.5mm dia. hole in the plastic trim at position **1**.

- 1** M5x16 bolt, large diameter washer, retaining plate of SH2, plastic trim, large diameter washer, nut

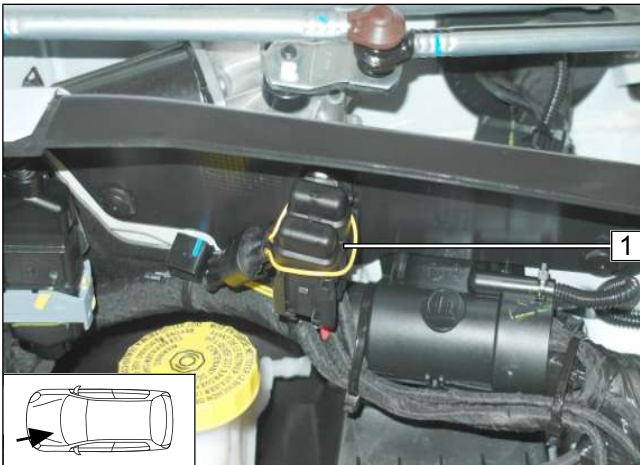


Fig. 4

- 1** SH2 with fuse F3 and F4

Mounting earth wire

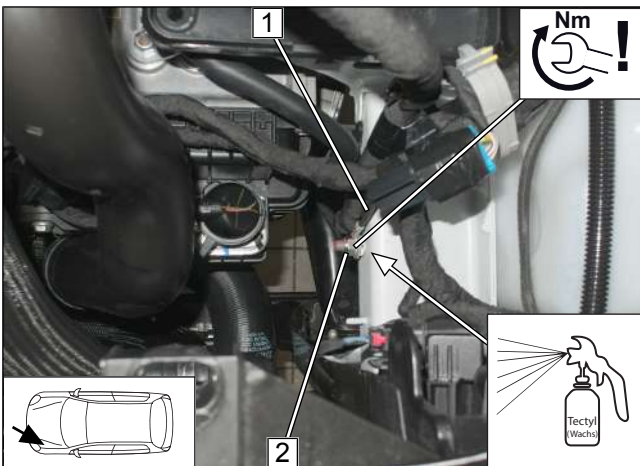


Fig. 5



DANGER

Fire hazard due to insufficient tightening torque

► Observe tightening torque

- 1** Earth wire
- 2** Original vehicle earth support point



Mounting positive wire

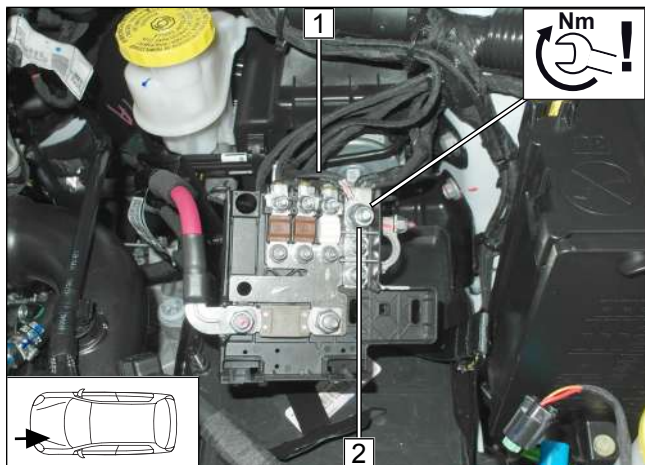


Fig. 6



DANGER

Fire hazard due to insufficient tightening torque

► Observe tightening torque

- 1 Positive wire
- 2 Original vehicle positive support point

Passenger compartment wiring harness pass through

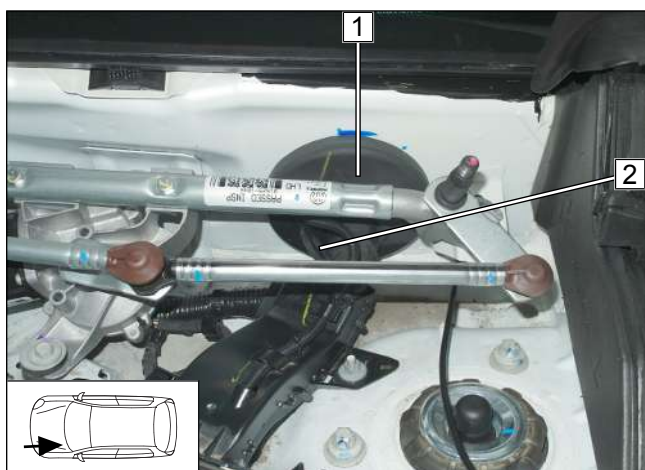


Fig. 7

- 1 Protective rubber plug
- 2 Passenger compartment and control element wiring harnesses



8 Mechanical system

8.1 Preparing installation location

Drilling holes for mounting heater

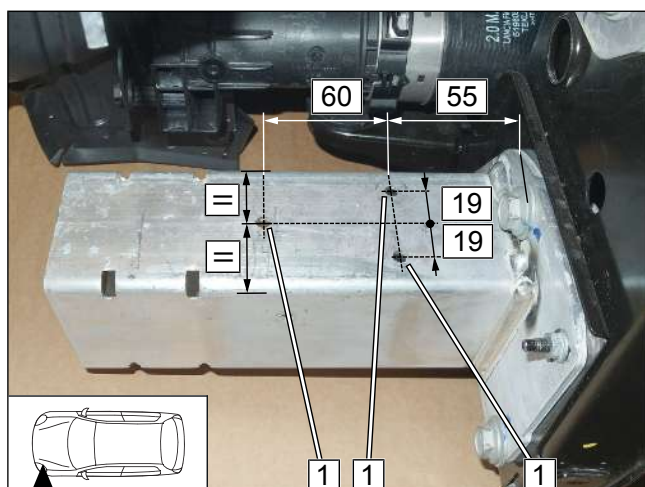


Fig. 8

1 6.5mm dia. hole

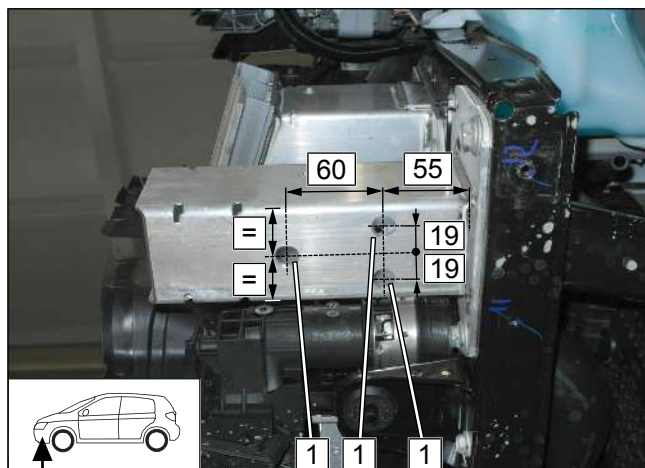


Fig. 9

1 14mm dia. hole

Drilling hole for mounting exhaust silencer

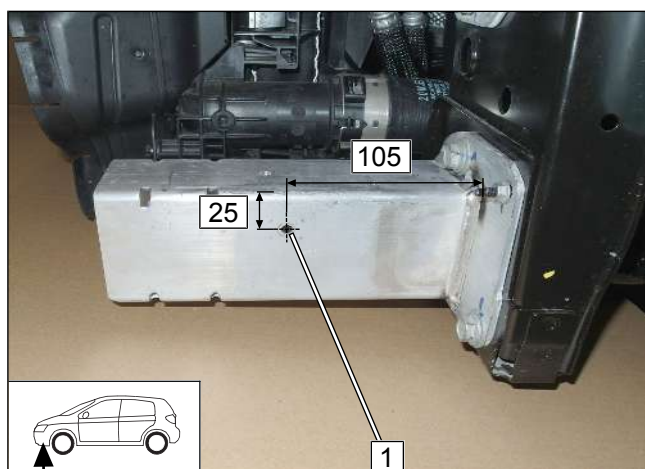


Fig. 10

1 7mm dia. hole



Drilling hole for mounting coolant pump

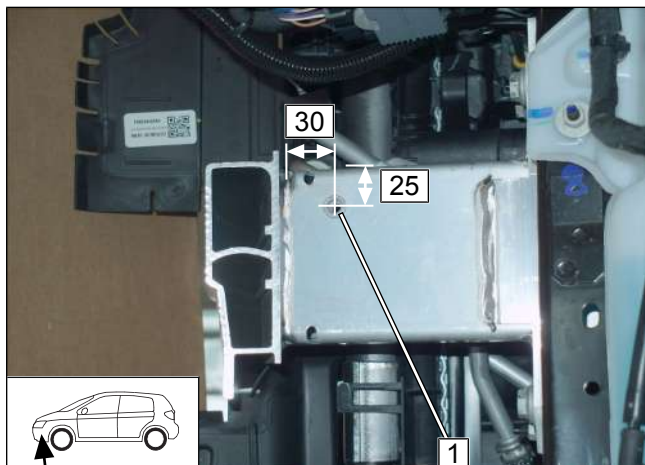


Fig. 11

- 1 Insert rivet nut into 9mm dia. hole

Gluing foam

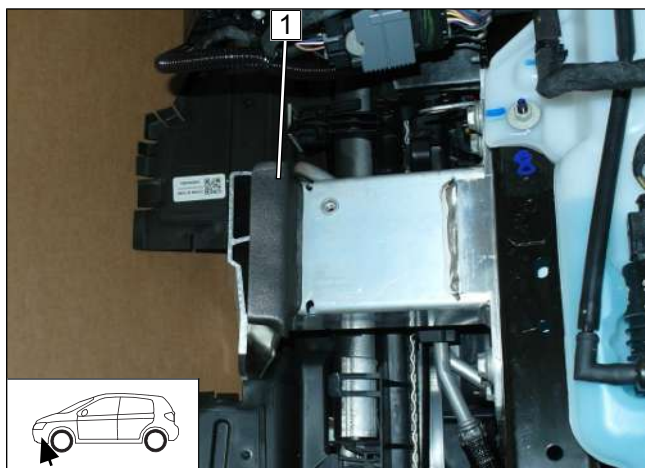


Fig. 12

- Glue self-adhesive foam 1 as shown.

Mounting angle bracket

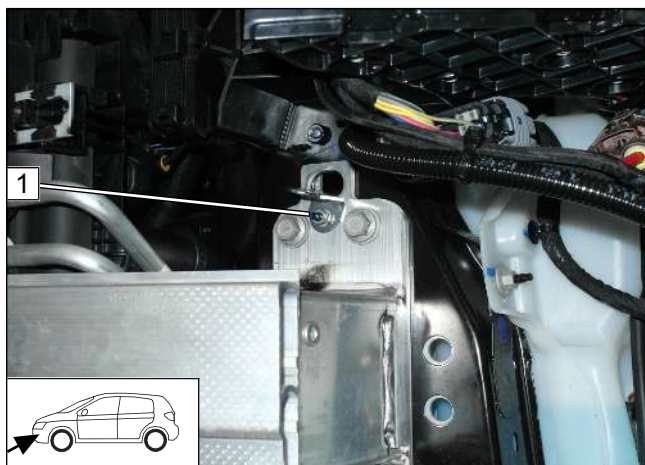


Fig. 13

- 1 Original vehicle stud bolt, angle bracket, original vehicle nut



8.2 Premounting heater

Mounting water connection piece

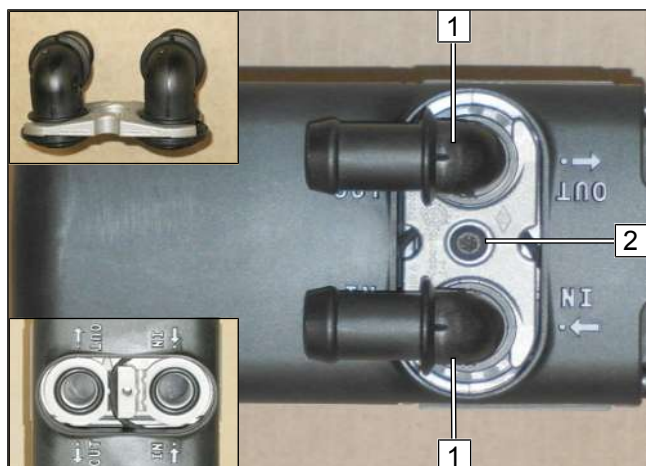


Fig. 14



Observe the general installation instructions of the heater.

- 1 Water connection piece, seal
- 2 5x15 self-tapping bolt, water connection piece retaining plate

Mounting stud bolt

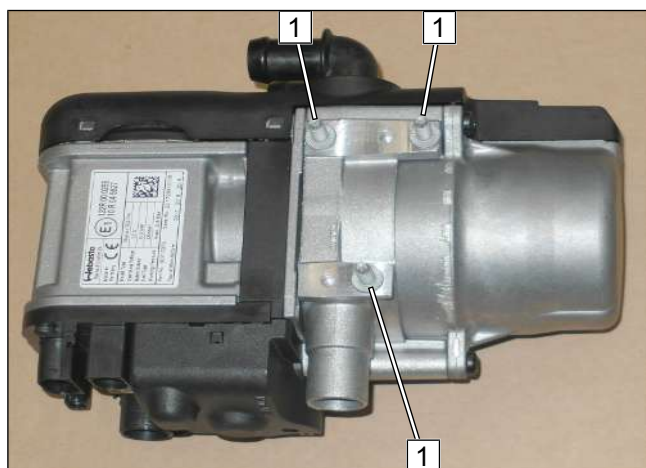


Fig. 15

- 1 Self-tapping M5/6 x15.5 stud bolt

Mounting spacer nuts

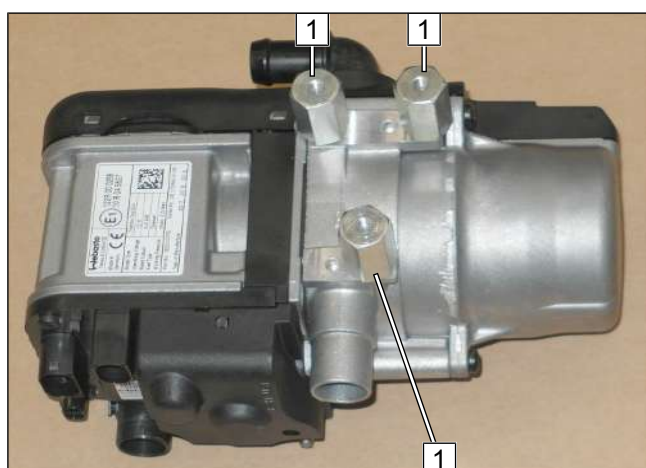


Fig. 16

- 1 M6x30 spacer nut



Mounting fuel hose

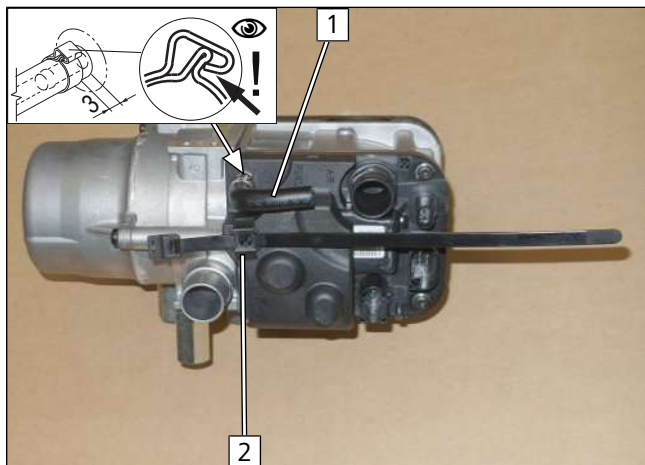


Fig. 17

- 1 90° moulded hose, 10mm dia. clamp
- 2 Clip-type cable tie, existing hole

Cutting combustion air pipe to length

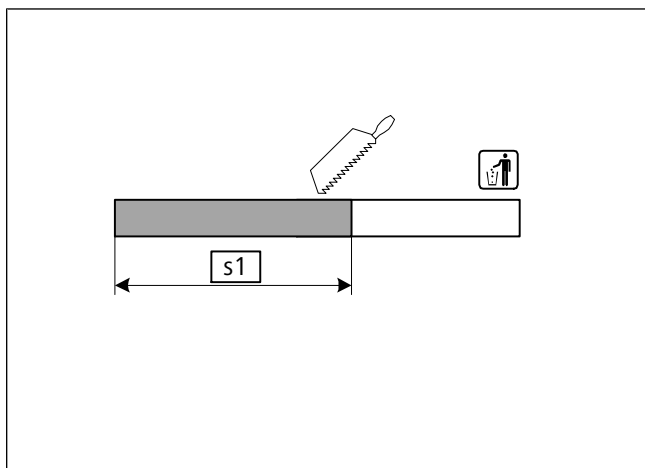


Fig. 18

- s1 630

Installing combustion air pipe

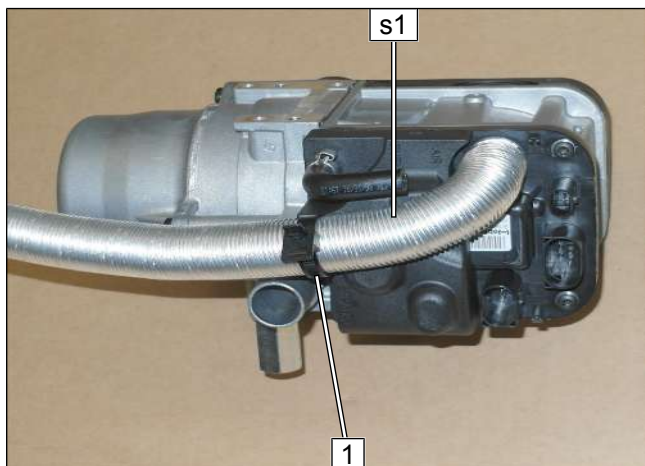


Fig. 19

- 1 Tighten clip-type cable tie



Cutting hoses to length

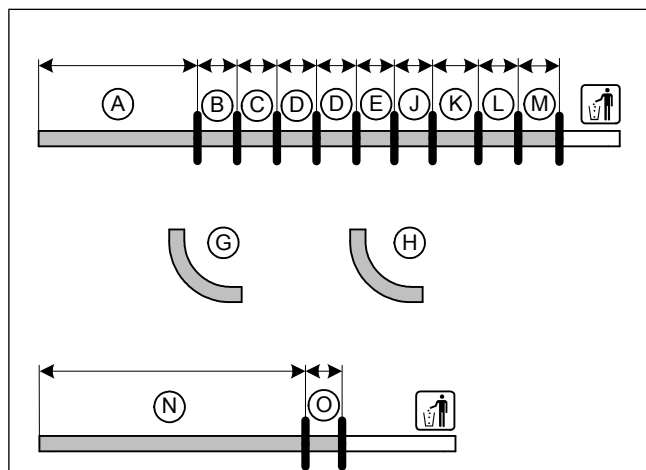


Fig. 20

	Petrol	Diesel
A	580	670
B	90	90
C	60	60
D	190	190
E	200	200
F	60	60
G	90°, 18mm dia.	90°, 18mm dia.
H	90°, 18mm dia.	90°, 18mm dia.
J	60	60
K	170	170
L	60	60
M	80	80
N	640	730
O	-	50

Preparing hoses

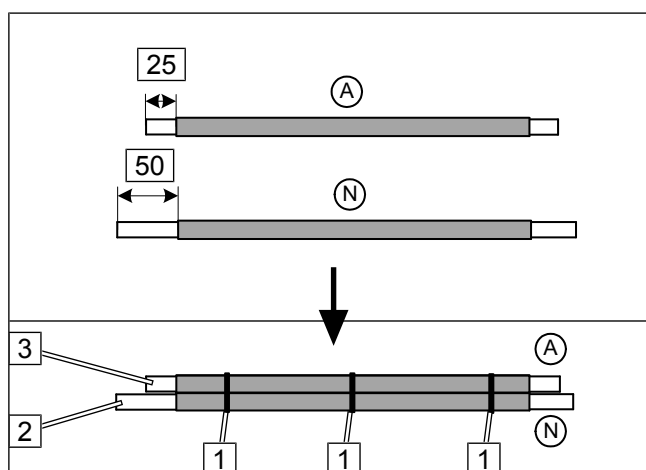


Fig. 21

- ▶ Slide on fabric heat shrink tubing as shown, cut to length and shrink.
- ▶ Fix cable hose **A** and **N** with cable tie **1**.
 - 2** Hose **N** on heat exchanger side
 - 3** Hose **A** on the engine side

Premounting coolant pump

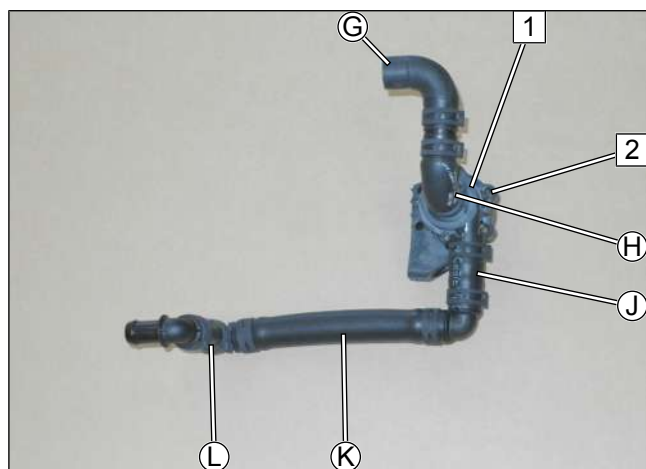


Fig. 22

- ▶ All spring clips, 25mm dia.
- ▶ All connecting pipes, 18x18 mm dia.
 - 1** Coolant pump
 - 2** Coolant pump mount



Premouting hoses

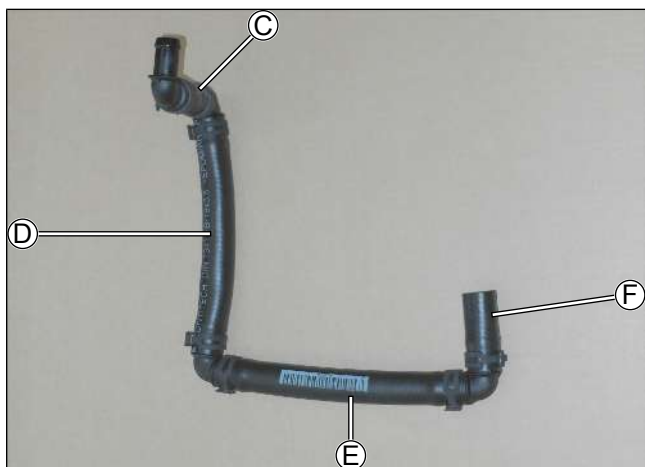


Fig. 23

- ▶ All spring clips, 25mm dia.
- ▶ All connecting pipes, 18x18 mm dia.

Mounting hoses

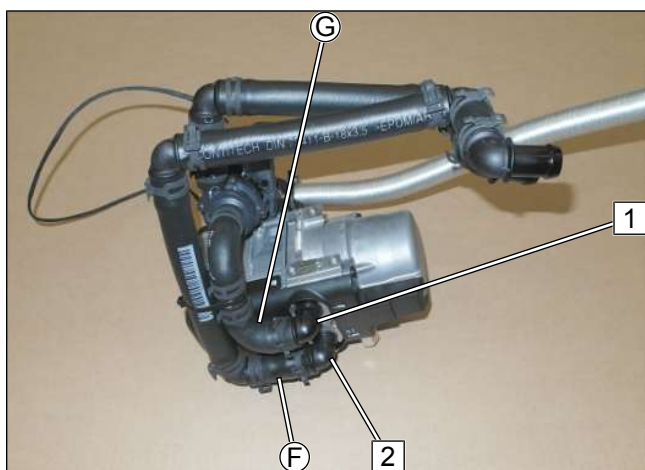


Fig. 24

- ▶ All spring clips, 25mm dia.
- ▶ **1** Heater outlet
- ▶ **2** Heater inlet

8.3 Mounting heater

Mounting heater

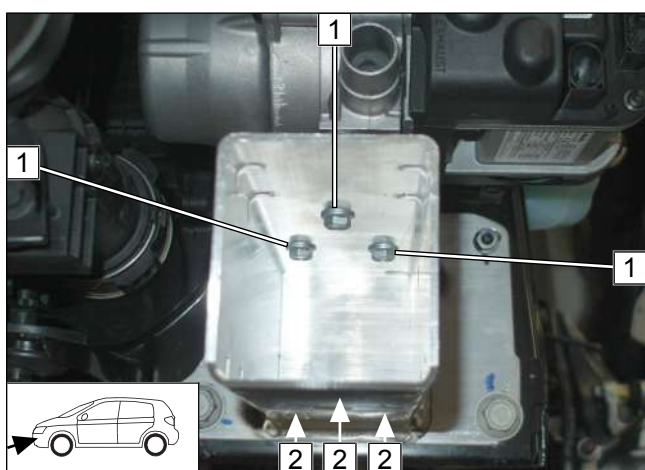


Fig. 25

- ▶ Pass M6x16 bolt with serrated flange **1** through 14mm dia. hole **2**.



Installing wiring harness

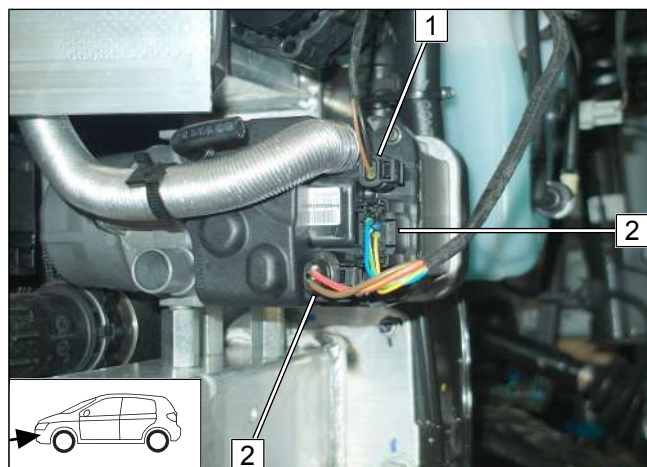


Fig. 26

- 1 Coolant pump wiring harness connector
- 2 Heater wiring harness connector

Mounting coolant pump

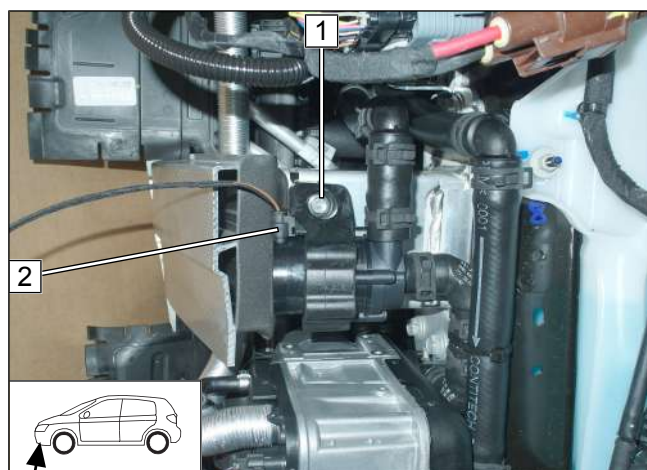


Fig. 27

- 1 M6x25 bolt, coolant pump mount, on pre-mounted rivet nut
- 2 Coolant pump wiring harness connector

Fastening hoses

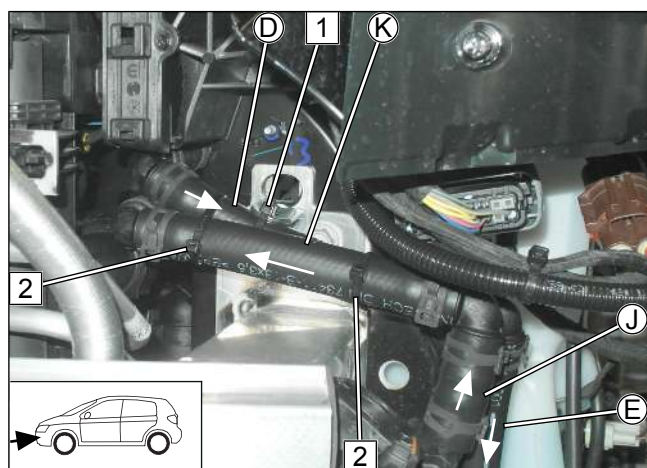


Fig. 28

- 1 Cable tie through angle bracket
- 2 Cable tie around hoses **D** and **K**



9 Coolant for petrol vehicles

9.1 Hose routing diagram

'Inline' coolant circuit

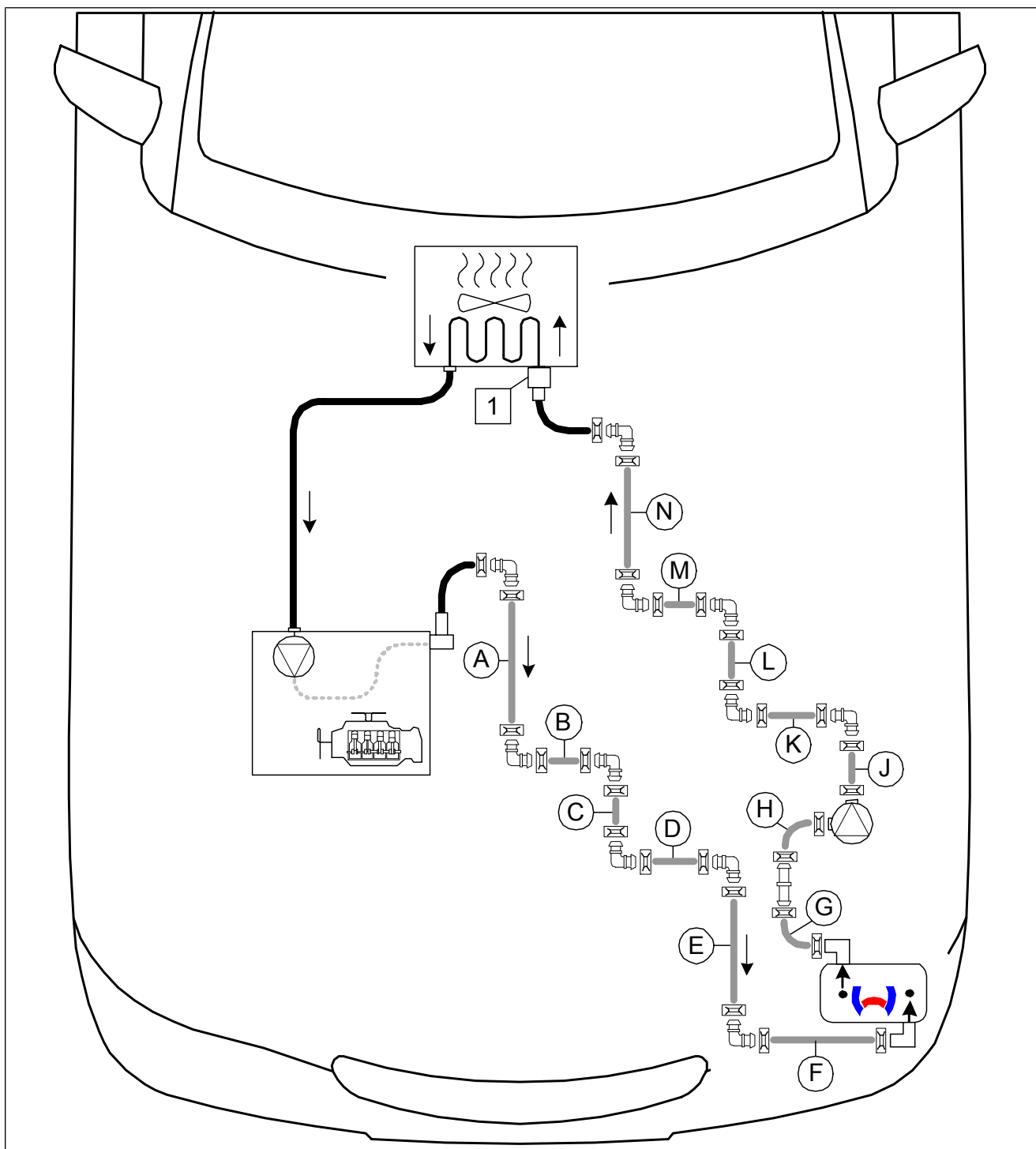




Fig. 29

- ▶ All spring clips without a specific designation  = 25mm dia.
- ▶ All connecting pipes without a specific designation  or  = 18x18mm dia.



9.2 Coolant circuit installation

Removing hose

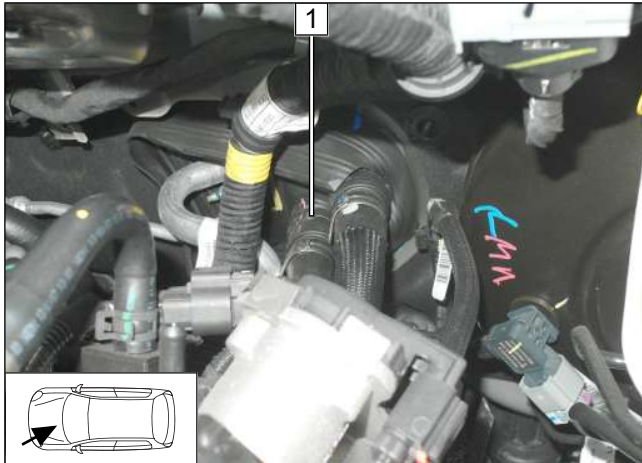


Fig. 30

- 1 Remove engine outlet hose from heat exchanger inlet

Cutting point

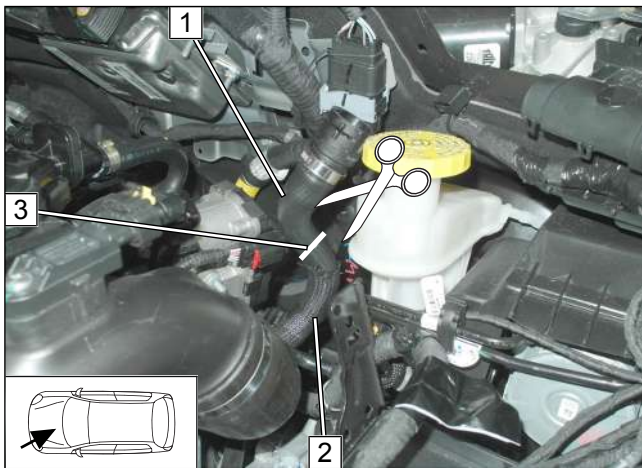


Fig. 31

- 1 Heat exchanger inlet hose section
- 2 Engine outlet hose section
- 3 Cutting point

Premounting heat exchanger inlet hose section

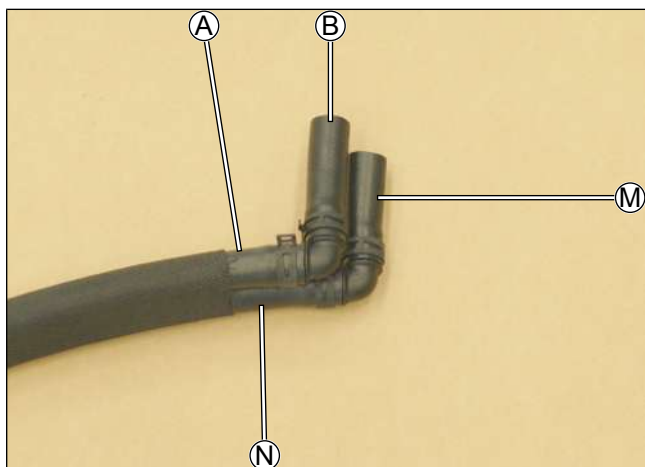


Fig. 32

- 1 Heat exchanger inlet hose section



Premounting hoses **B** and **M**



► Hoses **A** and **N** on the heater side.

Fig. 33

Mounting hoses **B** and **M**

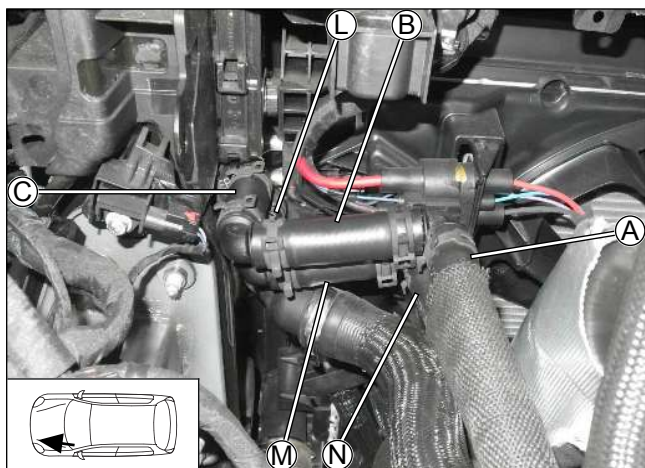


Fig. 34

Routing hoses **A** and **N**



1 Hoses **A** and **N** in fabric-reinforced hose

Fig. 35



Heat exchanger inlet hose section connection

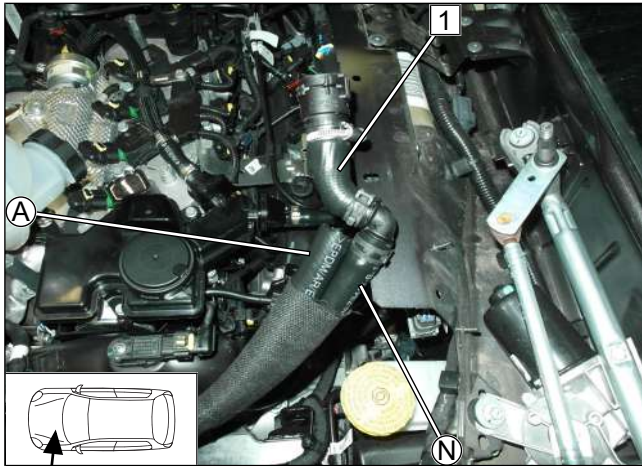


Fig. 36

- 1 Heat exchanger inlet hose section

Premounting engine outlet hose section

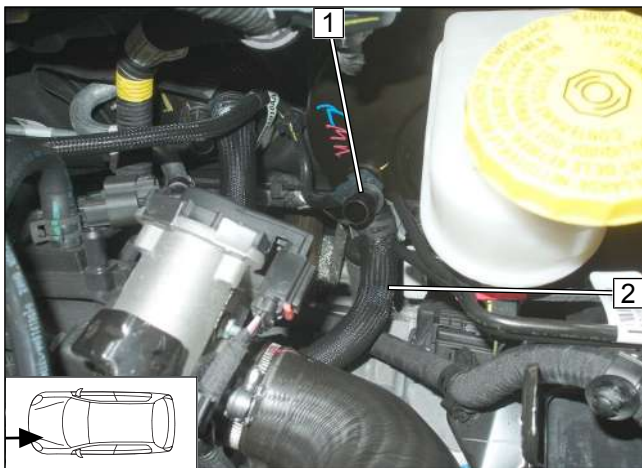


Fig. 37

- 1 90° connecting pipe
- 2 Engine outlet hose section

Connecting engine outlet and heat exchanger inlet

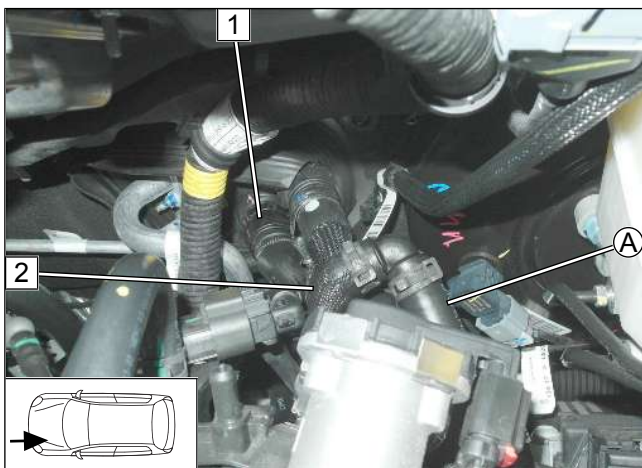


Fig. 38

- 1 Heat exchanger inlet hose section
- 2 Engine outlet hose section



Fastening hoses



Fig. 39

- 1 Cable tie around original vehicle hose and hoses **A** and **N** in fabric-reinforced hose
- 2 Hoses **A** and **N** in fabric-reinforced hose

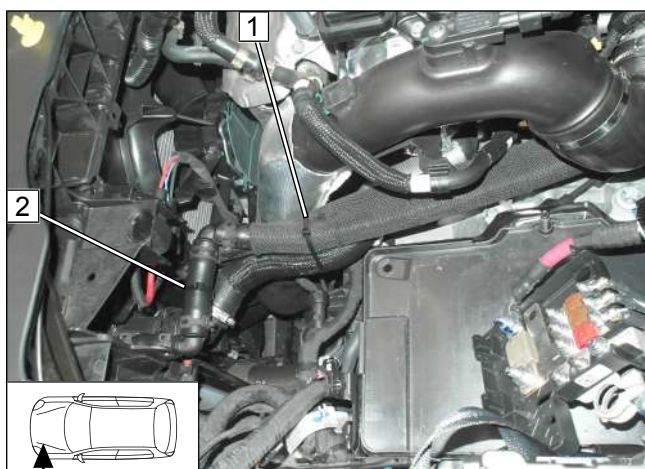


Fig. 40

- 1 Cable tie around original vehicle hose and hoses **A** and **N** in fabric-reinforced hose
- 2 Cable tie around hose **B** and hose **M**



10 Coolant for diesel vehicles

10.1 Hose routing diagram

'Inline' coolant circuit

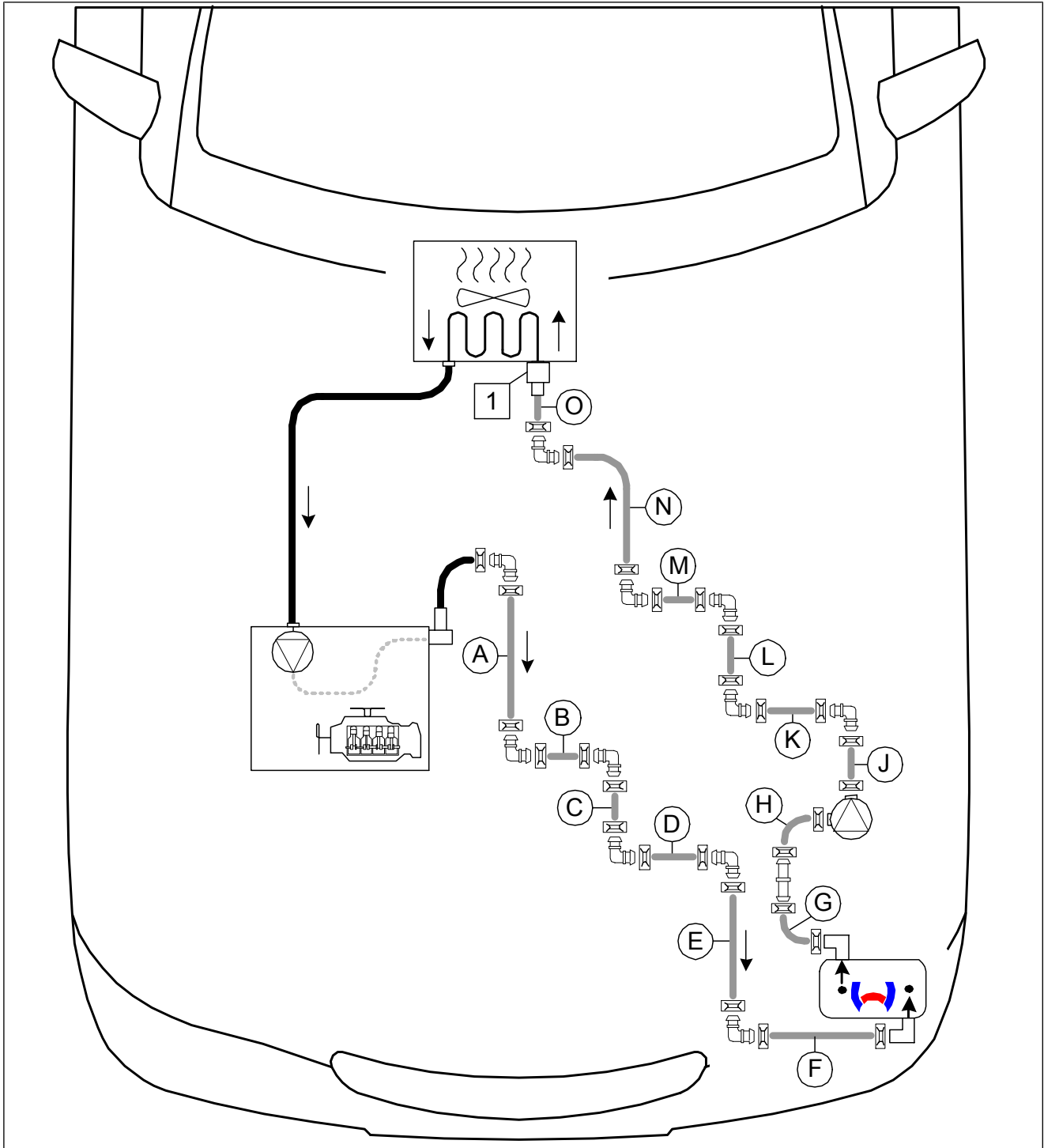





Fig. 41

- ▶ All spring clips without a specific designation  = 25mm dia.
- ▶ All connecting pipes without a specific designation  or  = 18x18mm dia.
- 1** original vehicle coupling piece



10.2 Coolant circuit installation

Cutting point



Fig. 42

- 1 Discard clamp
- 2 Remove engine outlet hose from heat exchanger inlet coupling piece

Premounting hoses **B** and **M**

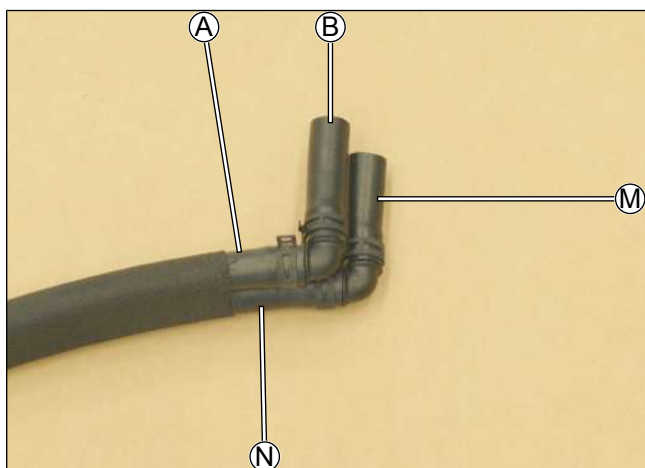


Fig. 43

► Hoses **A** and **N** on the heater side.

Mounting hoses **B** and **M**

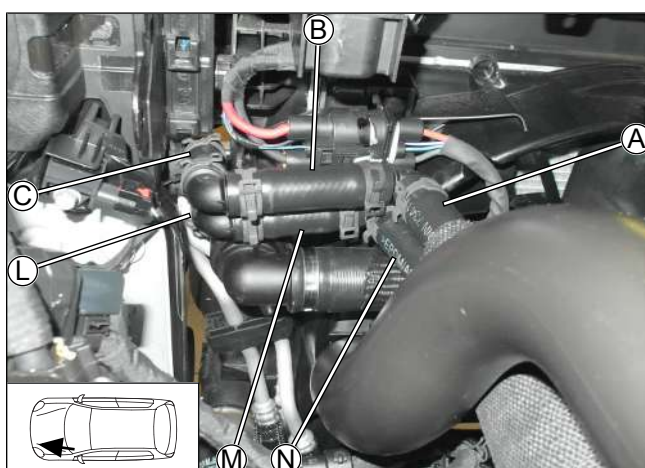


Fig. 44



Routing hoses **A** and **N**

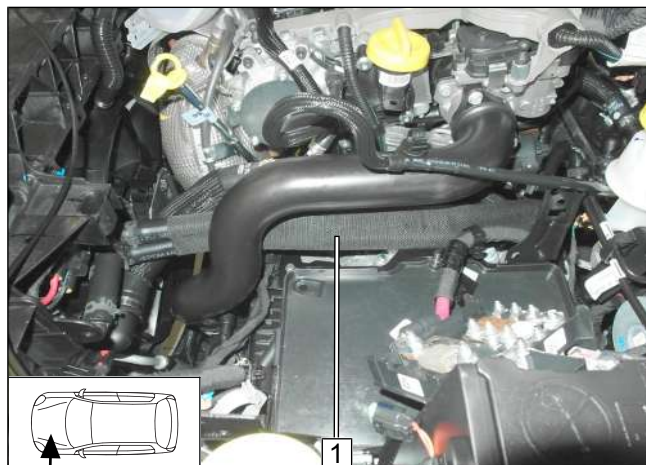


Fig. 45

- 1 Hoses **A** and **N** in fabric-reinforced hose

Connecting engine outlet and heat exchanger inlet

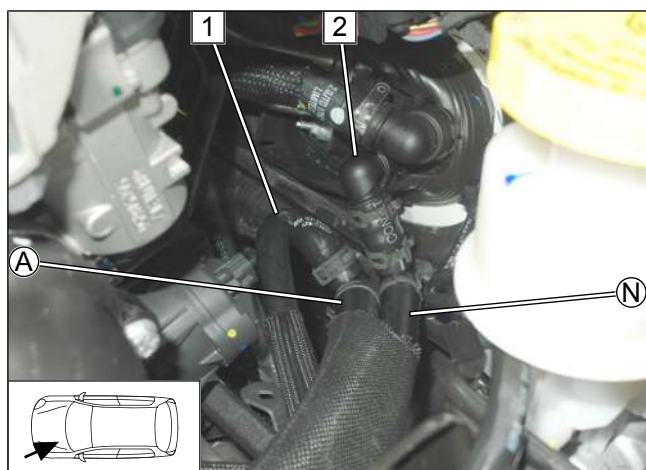


Fig. 46

- 1 Engine outlet hose section
- 2 Heat exchanger inlet coupling piece

Fastening hoses

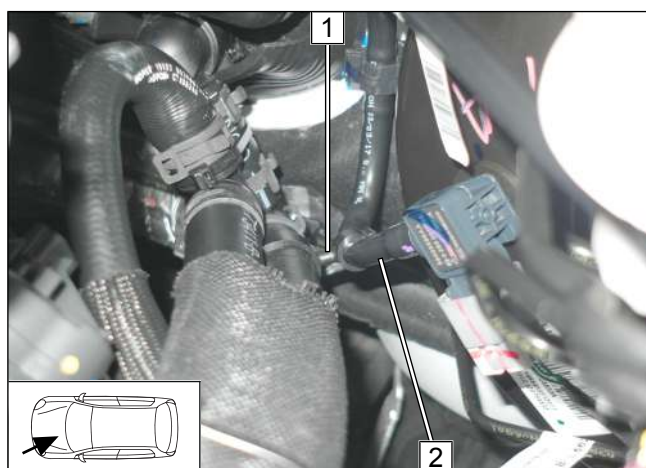
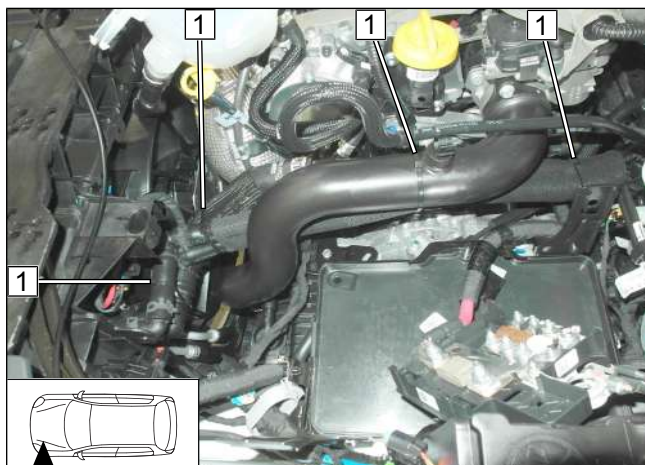


Fig. 47

- 1 Hose bracket around original vehicle vacuum line and hose **N**
- 2 Vacuum line



► Fasten hoses using cable ties **1** as shown.

Fig. 48



11 Fuel



DANGER

Risk of fire and explosion due to leaking fuel and escaping fuel vapours.

The Incorrect installation of the fuel extractor can cause damage and fire.

- ▶ Avoid electrostatic discharges and open fire.
- ▶ When working on the fuel system, ensure sufficient ventilation and bleeding.
- ▶ Open the fuel tank cap of the vehicle.
- ▶ Ventilate the fuel tank
- ▶ Re-close the tank lock.
- ▶ Catch any fuel running off with an appropriate container.



Danger of damage to components

- ▶ Install fuel line and fuel pump wiring harness so that they are protected against stone impact.
- ▶ Provide rub protection for fuel line and wiring harness in areas where there are sharp edges.

11.1 Connecting and routing fuel line

Dismantling fuel pump connector

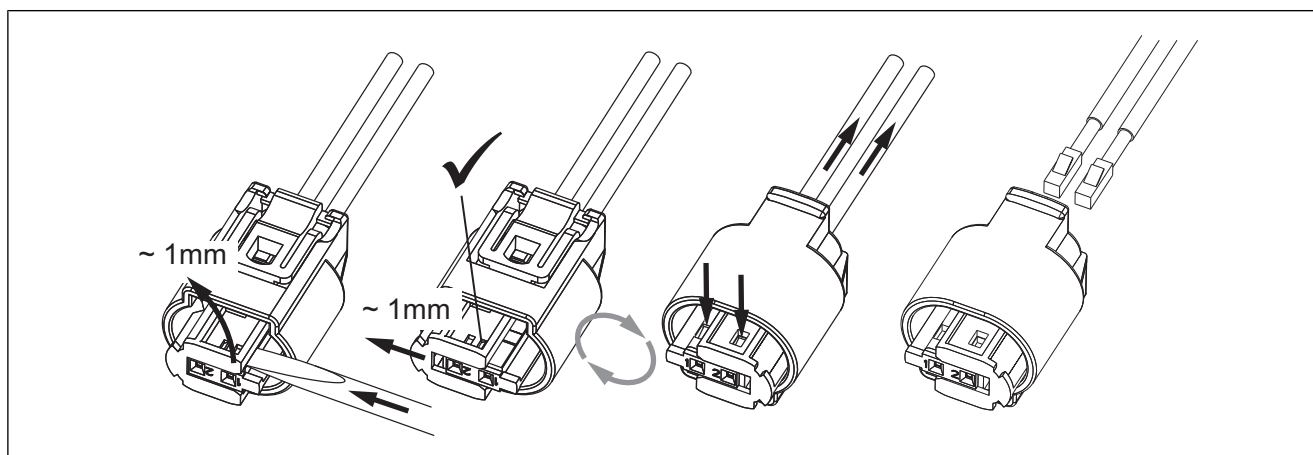
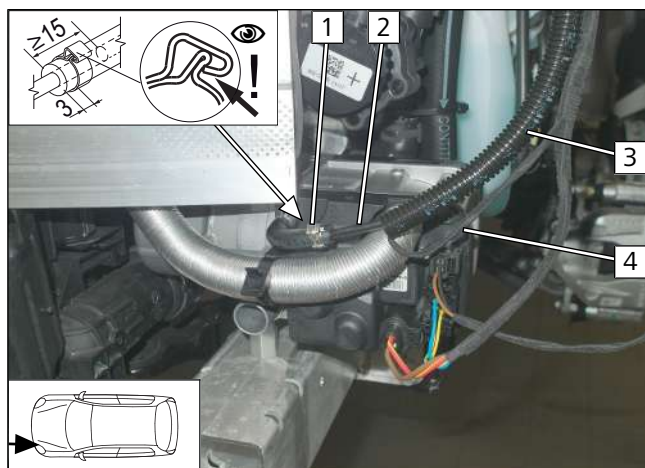


Fig. 49

Connecting heater



- 1 10mm dia. clamp
- 2 Fuel line in corrugated tube
- 3 Corrugated tube
- 4 Fuel pump wiring harness in corrugated tube

Fig. 50



Routing fuel line

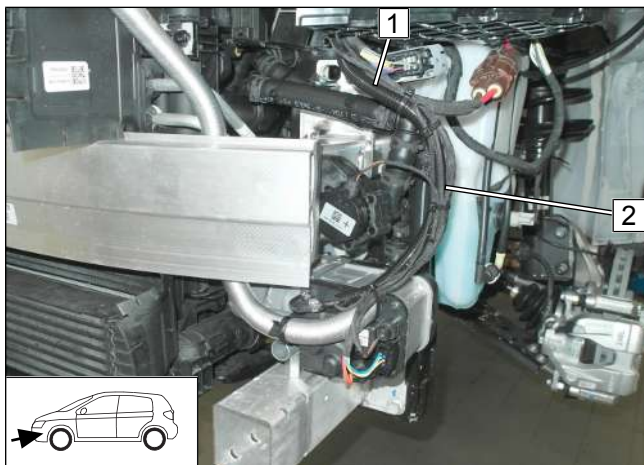


Fig. 51

- 1 Corrugated tube with fuel pump wiring harness and fuel line
- 2 Fasten corrugated tube, heater and coolant pump wiring harnesses with cable tie

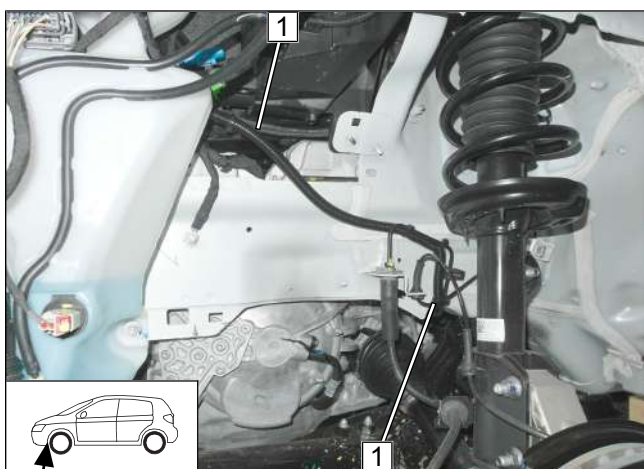


Fig. 52

- 1 Fasten corrugated tube with fuel pump wiring harness and fuel line with cable tie

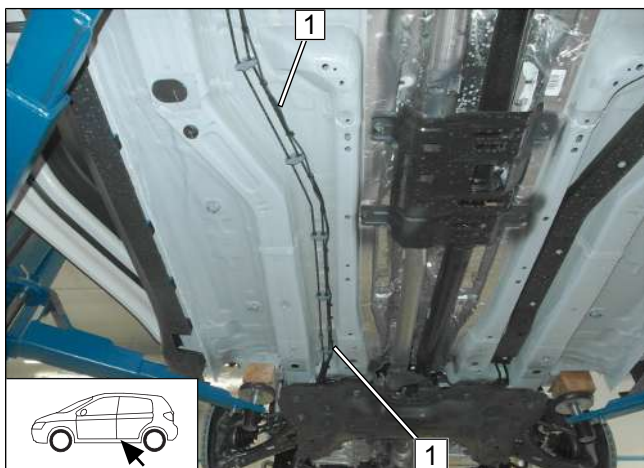


Fig. 53

- 1 Fasten fuel pump wiring harness and fuel line to original vehicle brake line with cable tie



11.2 Mounting fuel pump

Preparing fuel pump installation location

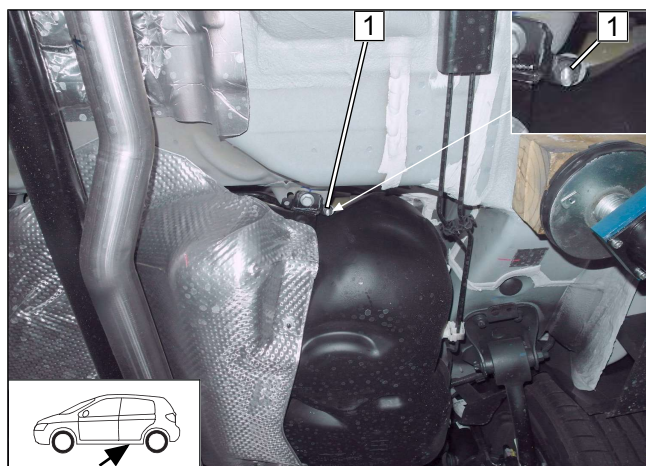


Fig. 54

- 1 M6x16 bolt, large diameter washer, original vehicle hole, lock washer

Bending perforated bracket

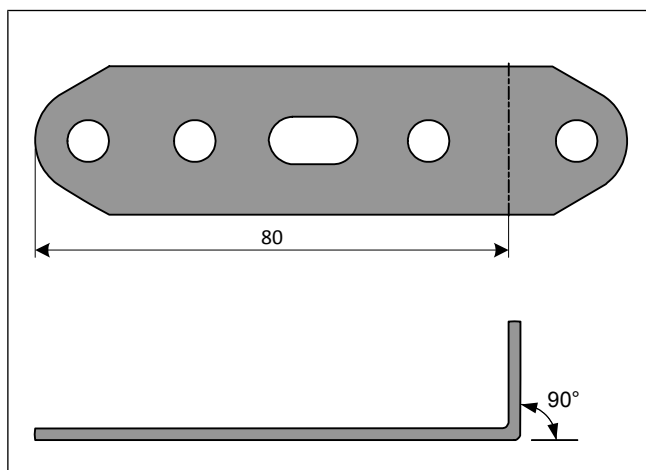


Fig. 55

Mounting perforated bracket

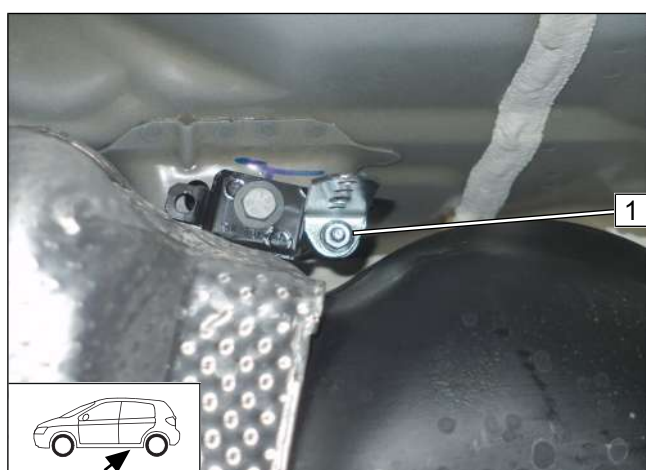
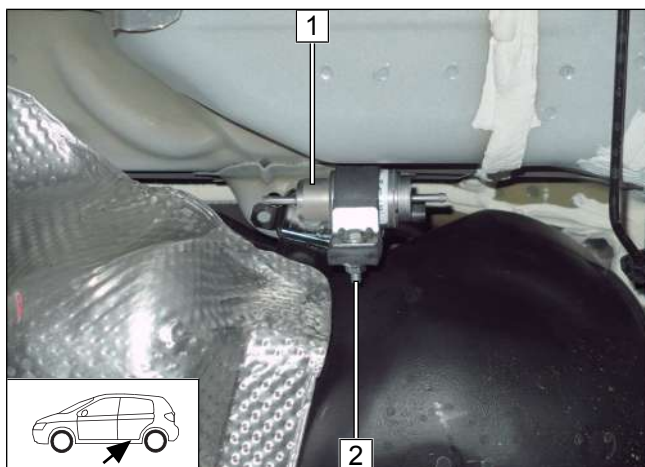


Fig. 56

- 1 Perforated bracket, flanged nut



Mounting fuel pump



- 1 Fuel pump
- 2 M6x25 bolt, support angle bracket, fuel pump mount, perforated bracket, flanged nut

Fig. 57

Mounting fuel pump connector

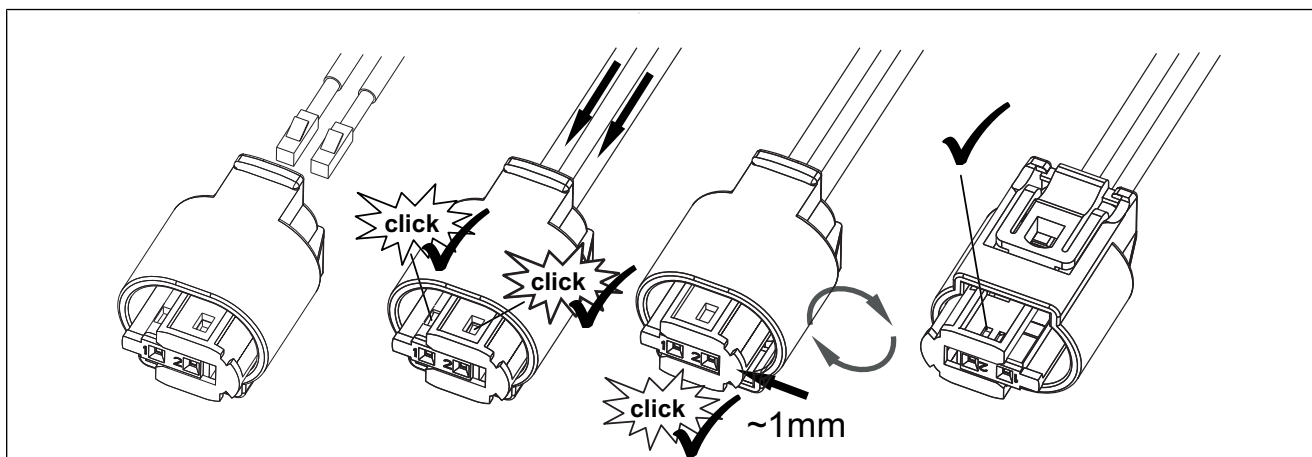
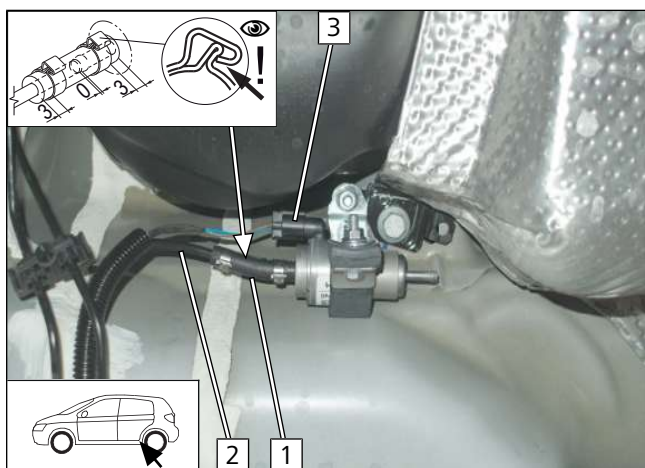


Fig. 58

Connecting fuel line



- 1 Hose section, 10mm dia. clamp [2x]
- 2 Heater fuel line
- 3 Fuel pump wiring harness, connector X7 mounted

Fig. 59



Removing rear seat



Fig. 60



Further information can be found in the vehicle manufacturer's technical documentation.

- 1 Remove original vehicle bolts



11.3 FuelFix installation for petrol vehicles

Drilling template

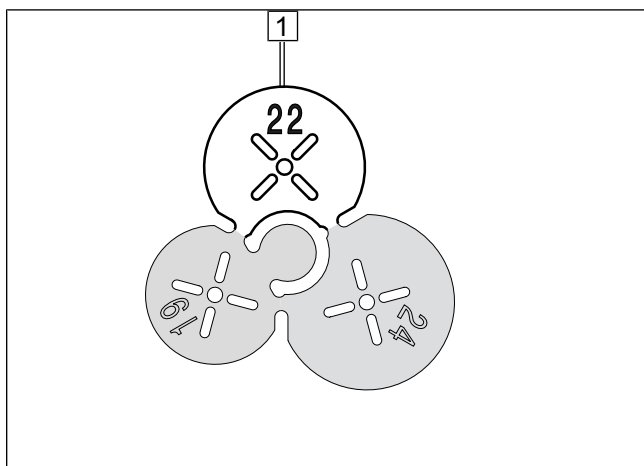


Fig. 61

- 1 22mm dia. drilling template

Copying hole pattern

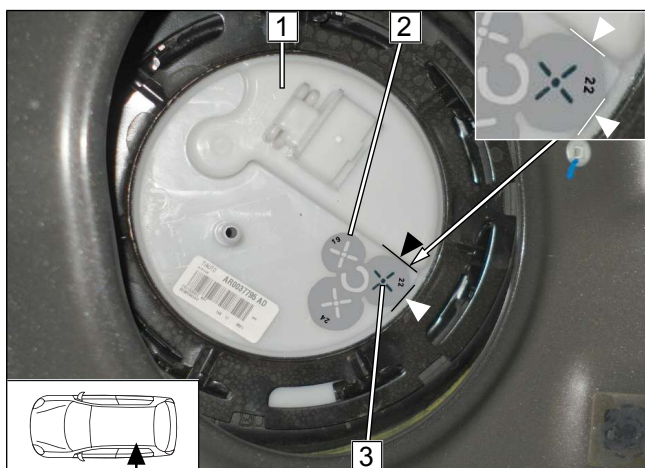


Fig. 62



Observe the installation instructions of the tank extracting device.

► Work steps F1, F2

- 1 Tank fitting
- 2 Position 22mm dia. drilling template as shown
- 3 Hole pattern

Hole for FuelFix

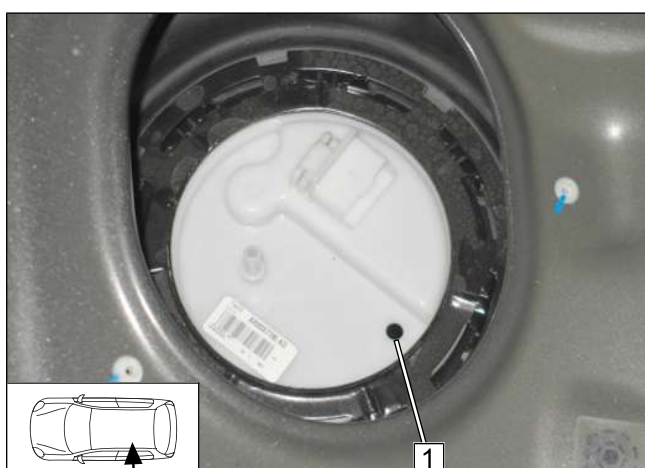


Fig. 63



DANGER

Risk of fire and explosion due to leaking fuel and escaping fuel vapours

► Work step F3

- 1 Hole made with provided drill



Inserting FuelFix

- ▶ Work steps F4, F5
- ▶ Bend FuelFix **1** as shown in template and cut to length. Insert in hole **2**.

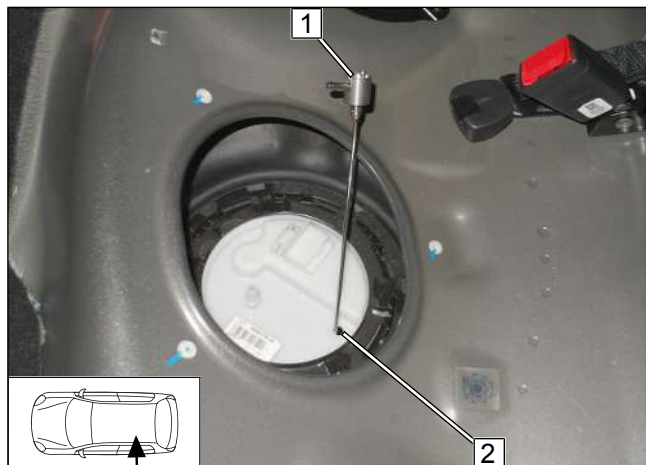


Fig. 64

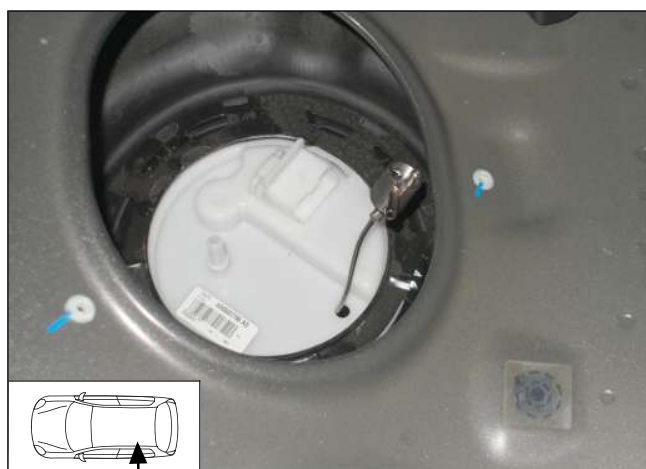


Fig. 65

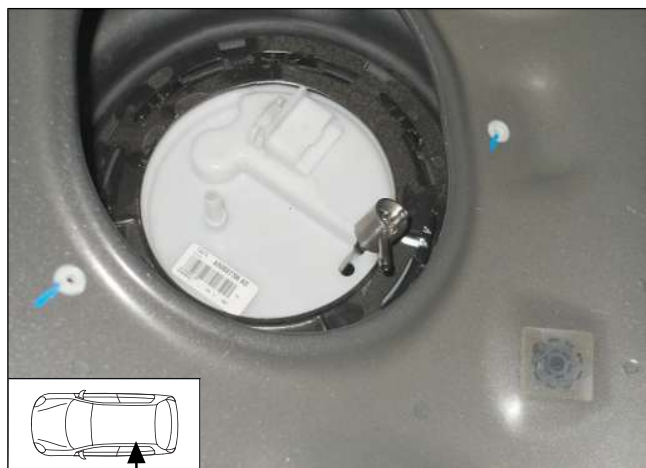


Fig. 66



Aligning FuelFix

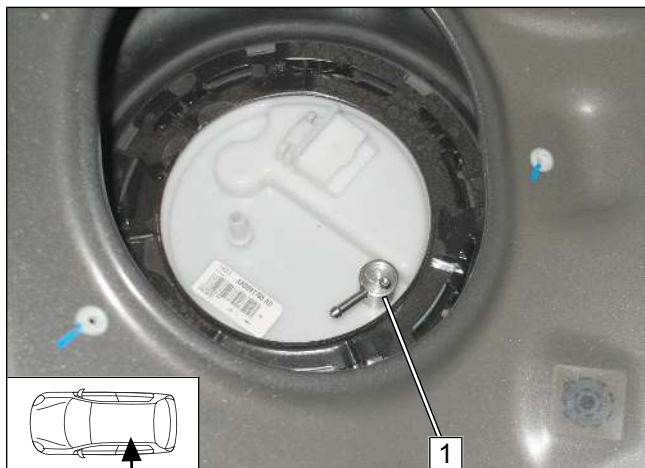


Fig. 67

- ▶ Work steps F5.3, F5.4
- ▶ Align FuelFix **1** as shown.

Connecting fuel line

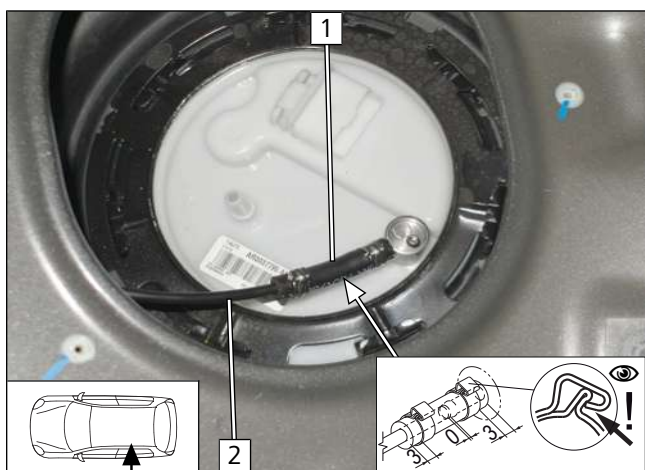


Fig. 68

- ▶ Work step F6
- 1** Hose section, 10mm dia. clamp [2x]
- 2** Fuel line FuelFix

Mounting FuelFix

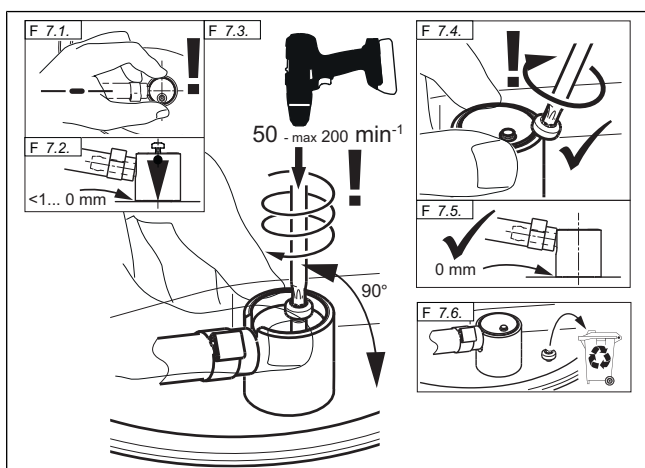


Fig. 69



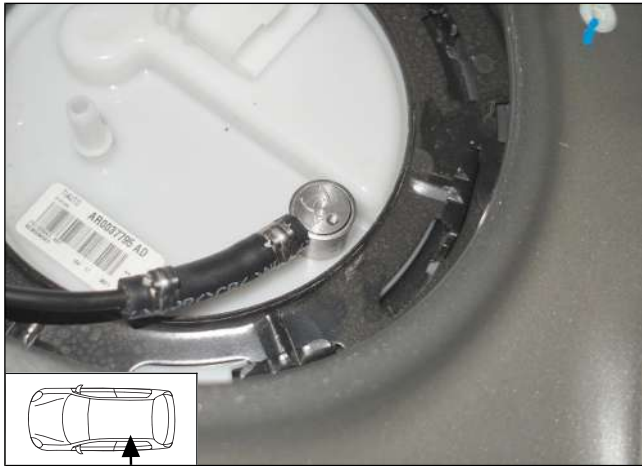
DANGER

Risk of fire and explosion due to leaking fuel and escaping fuel vapours

- ▶ Work step F7



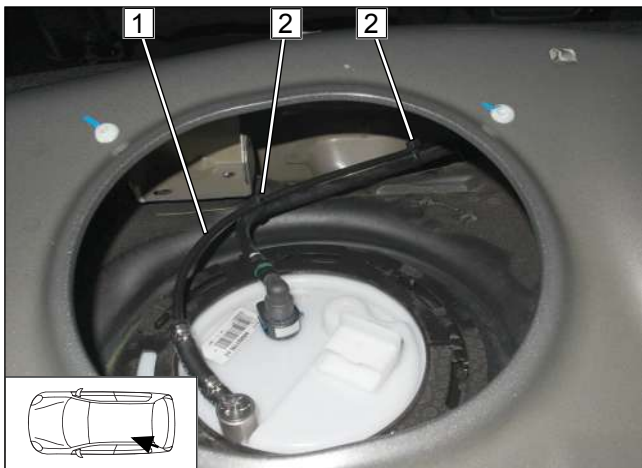
Checking firm seating of FuelFix



► Work step F8

Fig. 70

Securing fuel line



- 1** Fuel line FuelFix
- 2** Cable tie for tension relief

Fig. 71



11.4 FuelFix installation for diesel vehicles

Preparing drilling template

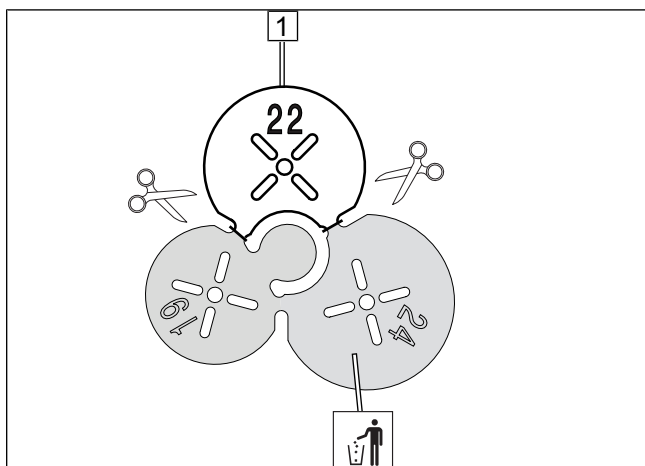


Fig. 72

- 1 22mm dia. drilling template

Copying hole pattern

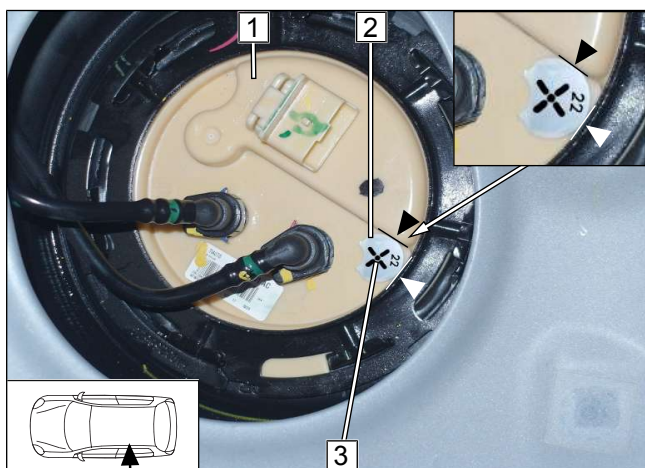


Fig. 73



Observe the installation instructions of the tank extracting device.

► Work steps F1, F2

- 1 Tank fitting
- 2 Position 22mm dia. drilling template as shown
- 3 Hole pattern

Hole for FuelFix

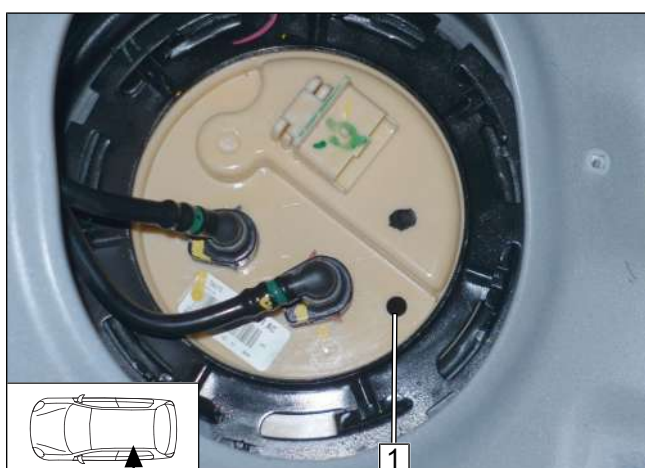


Fig. 74



DANGER

Risk of fire and explosion due to leaking fuel and escaping fuel vapours

► Work step F3

- 1 Hole made with provided drill



Inserting FuelFix

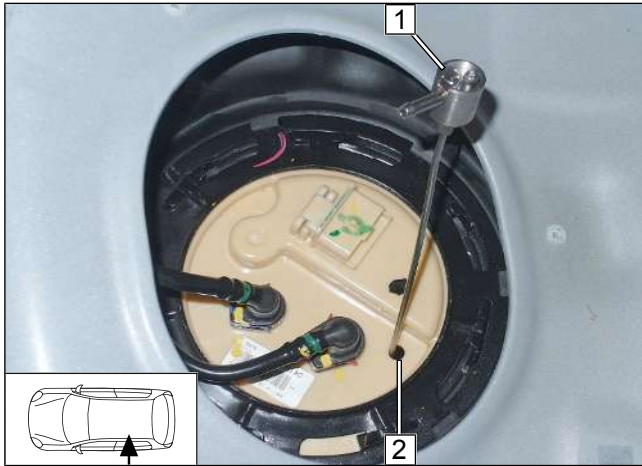


Fig. 75

- ▶ Work steps F4, F5
- ▶ Bend FuelFix **1** as shown in template and cut to length. Insert in hole **2**.

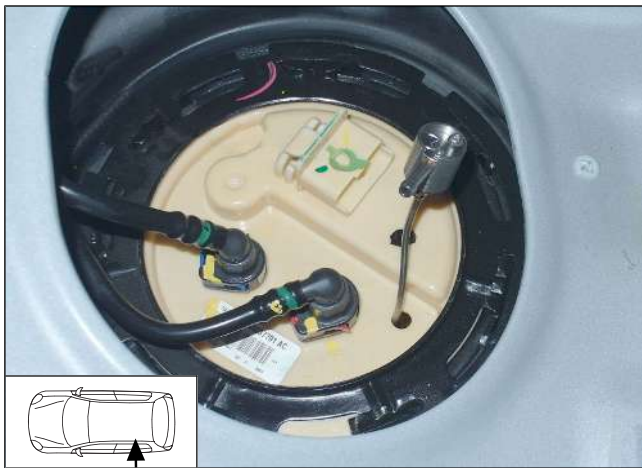


Fig. 76



Fig. 77



Aligning FuelFix

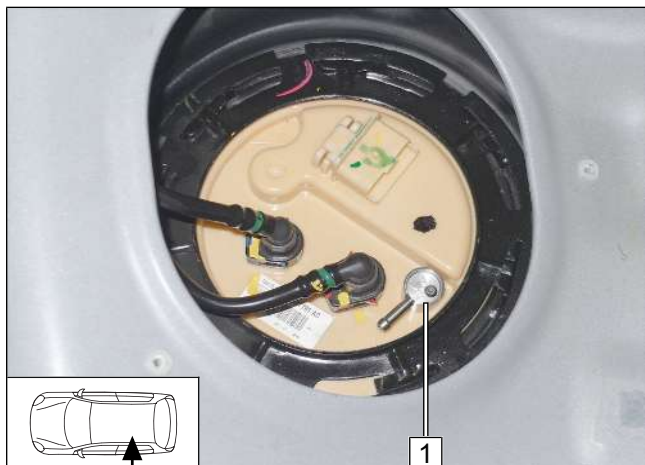


Fig. 78

- ▶ Work steps F5.3, F5.4
- ▶ Align FuelFix **1** as shown.

Connecting fuel line

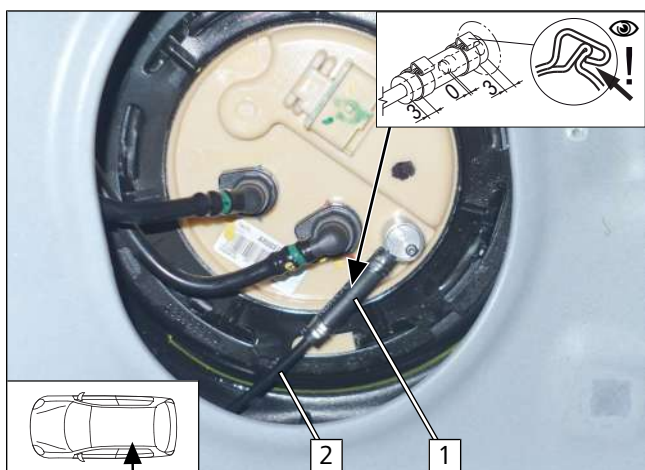


Fig. 79

- ▶ Work step F6
- 1** Hose section, 10mm dia. clamp [2x]
- 2** Fuel line FuelFix

Mounting FuelFix

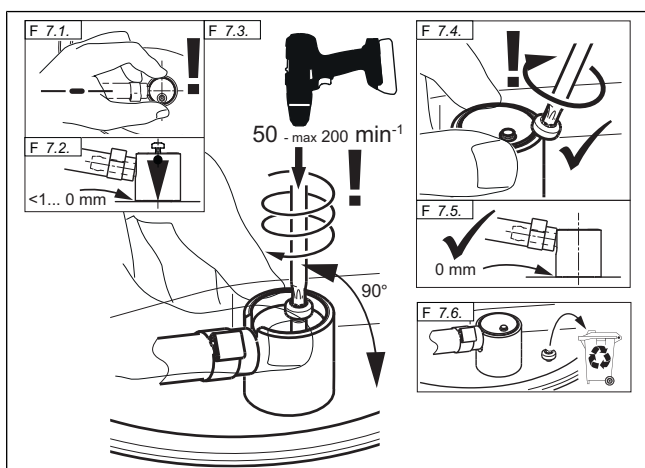


Fig. 80



DANGER

Risk of fire and explosion due to leaking fuel and escaping fuel vapours

- ▶ Work step F7



Checking firm seating of FuelFix

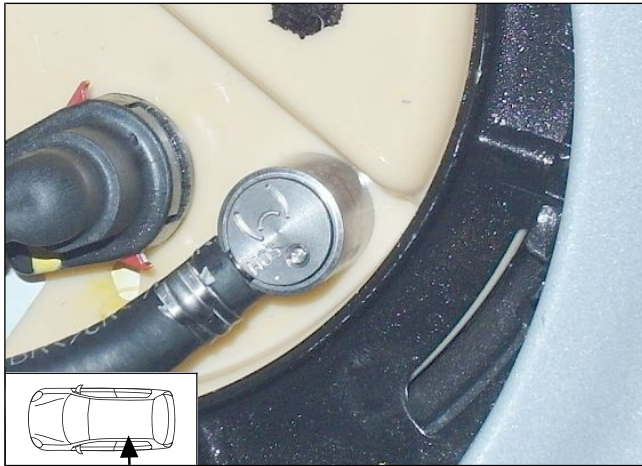


Fig. 81

► Work step F8

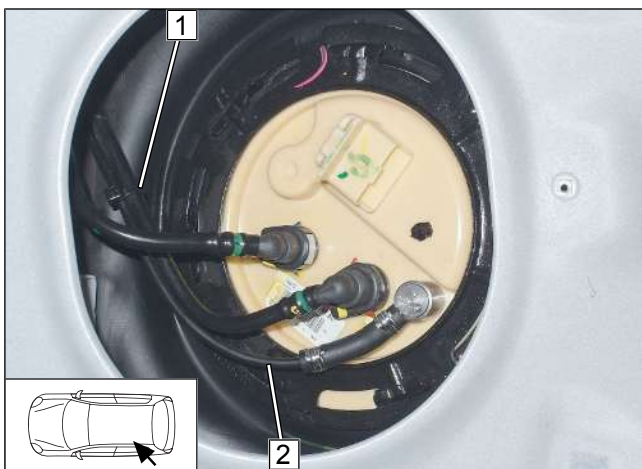


Fig. 82

- 1 Cable tie for tension relief
- 2 Fuel line FuelFix

11.5 Connecting fuel pump

All vehicles

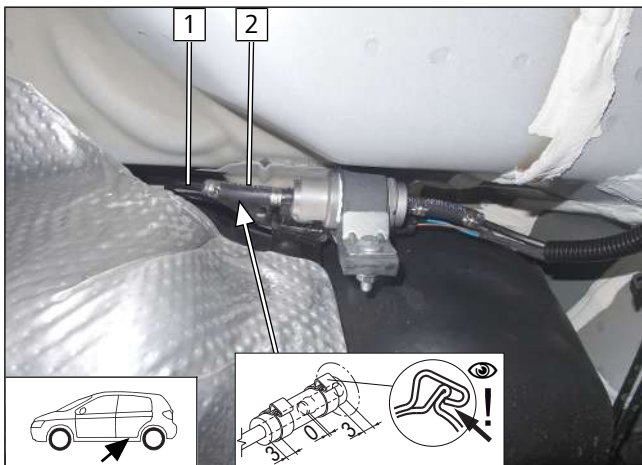


Fig. 83

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



12 Combustion air

Premounting combustion air silencer

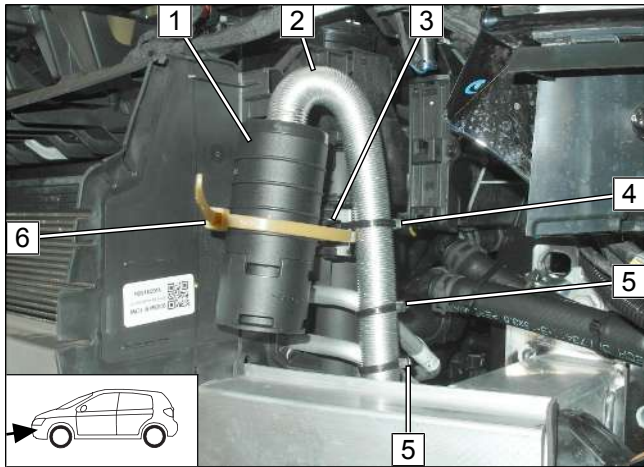


Fig. 84

- 1 Combustion air silencer
- 2 Combustion air pipe
- 3 Original vehicle bracket with hole
- 4 Mount cable tie around **s1** and through original vehicle hole loosely
- 5 Cable tie
- 6 Mount cable tie around combustion air silencer and through original vehicle bracket with hole loosely

Fastening combustion air silencer

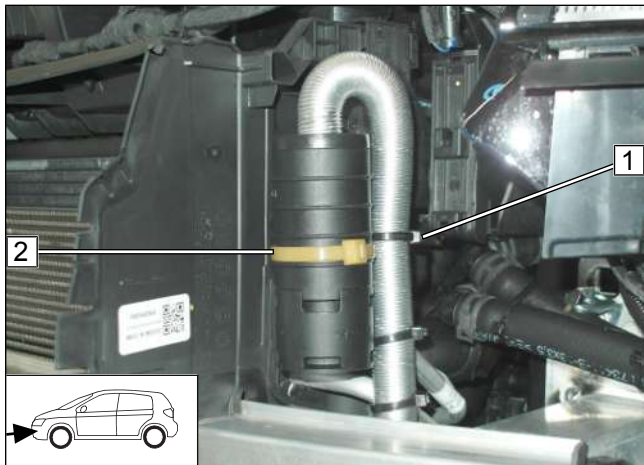


Fig. 85

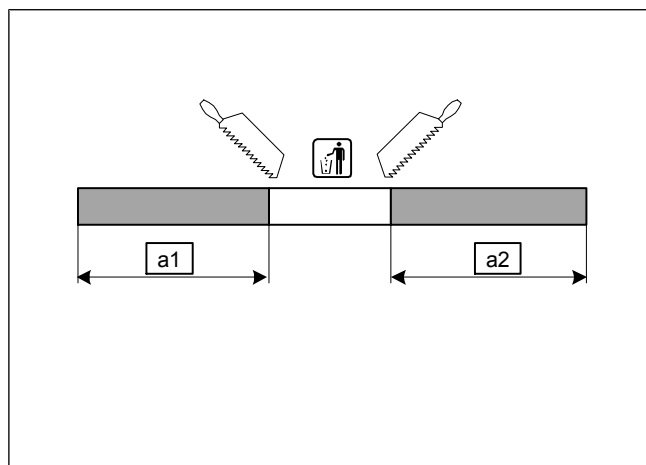


Observe the installation instructions of the combustion air intake silencer.

- Tighten cable ties **1** and **2**.



13 Exhaust

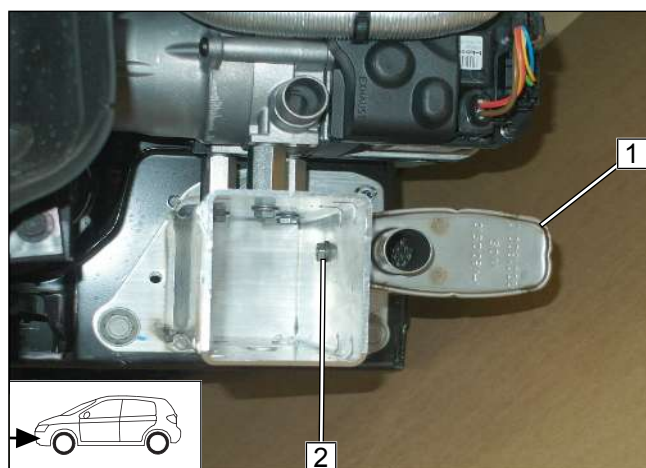


a1 170

a2 190

Fig. 86

Mounting exhaust silencer

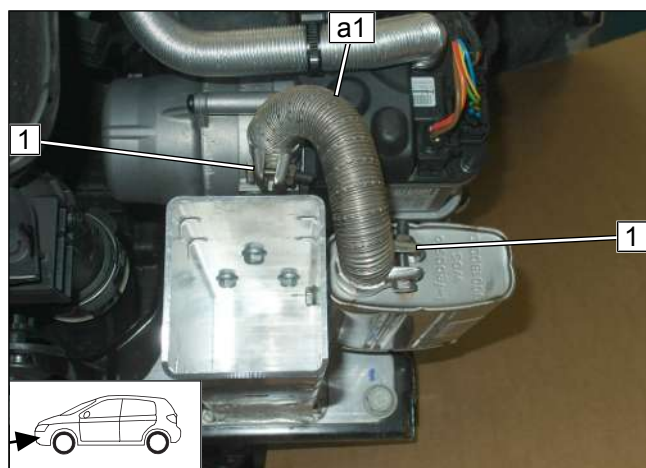


1 Exhaust silencer

2 M6x16 bolt, spring lockwasher

Fig. 87

Installing exhaust pipe **a1**



1 Hose clamp

Fig. 88



Mounting exhaust pipe **a2**

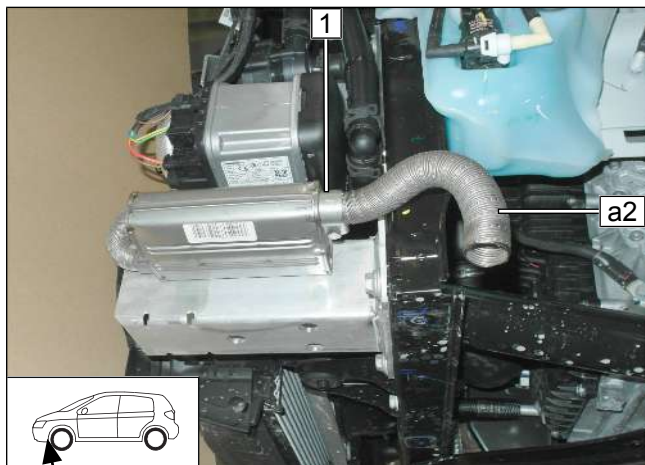


Fig. 89

1 Hose clamp

Remove bumper trim piece



Fig. 90

1 Bumper trim piece

Cutting out bumper trim piece

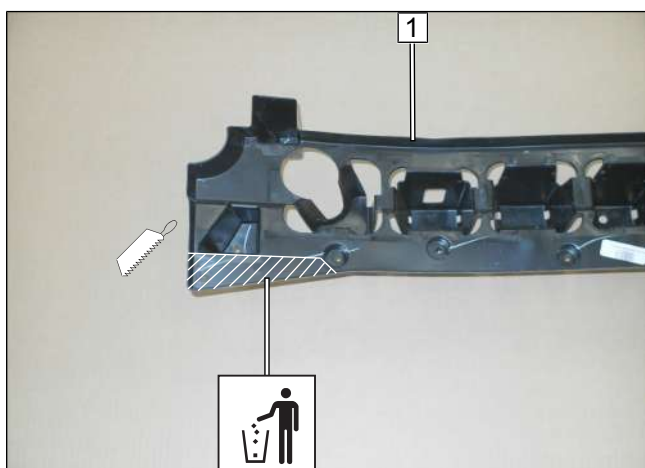


Fig. 91

► Cut out trim piece **1** as shown.



Mounting bumper trim piece

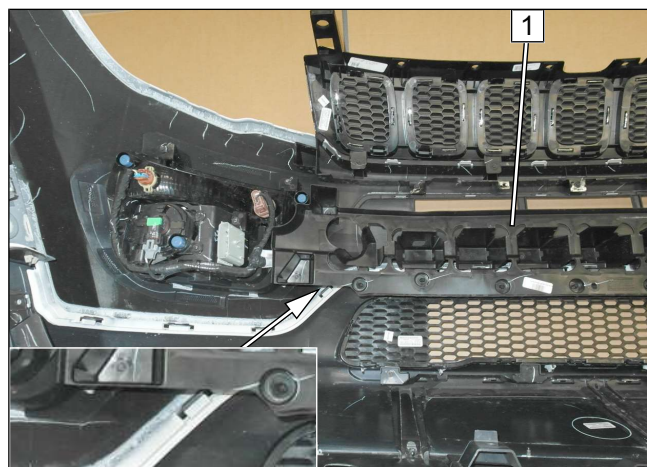


Fig. 92

► Mount trim piece **1**.

Sticking on heat protection

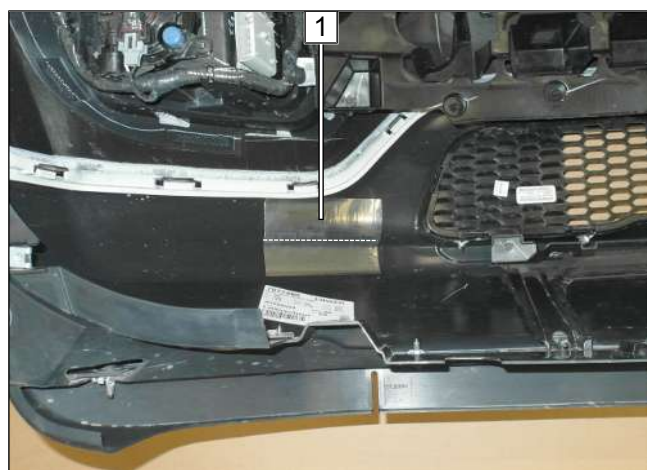


Fig. 93

► Cut heat protection **1** in half and glue as shown.

Copying hole pattern

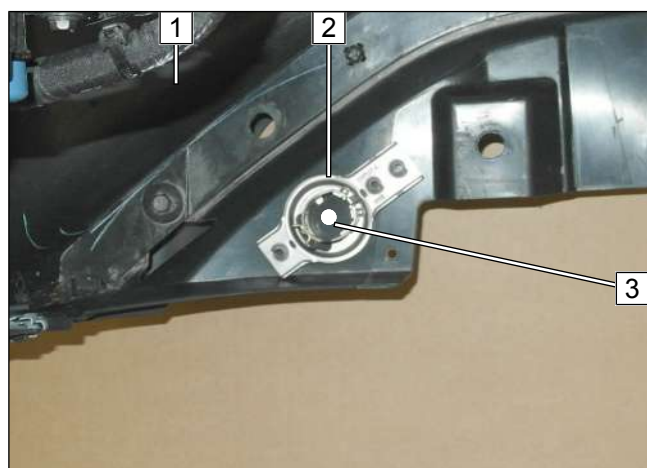


Fig. 94



Observe the EFIX installation instructions.

► Work steps E1.1, E1.2

- 1** Bumper
- 2** Exhaust end fastener
- 3** Copy hole pattern, hole



Copying hole pattern

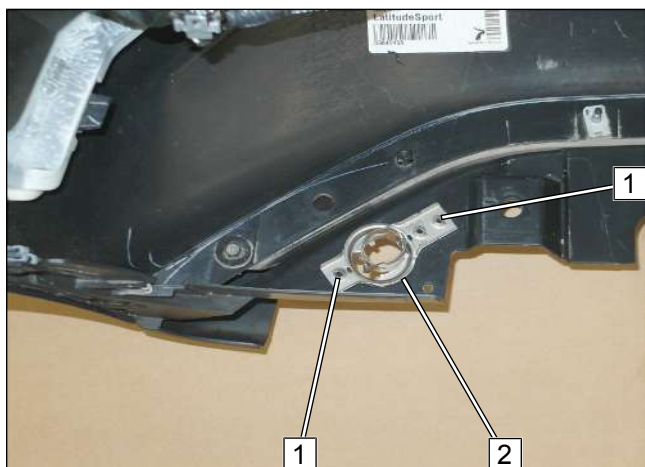


Fig. 95

► Work step E3

- 1 Hole pattern
- 2 EFIX

Drilling holes in underride protection



Fig. 96

► Work step E4

- 1 Hole

Mounting EFIX

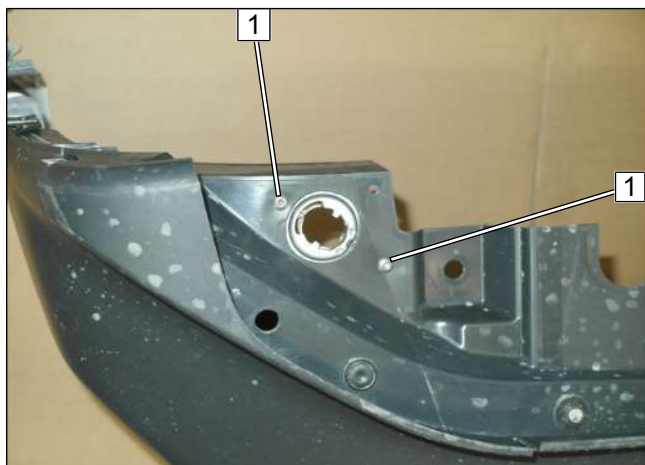


Fig. 97

► Work step E5

- 1 5x13 self-tapping screw



Mounting exhaust pipe a2

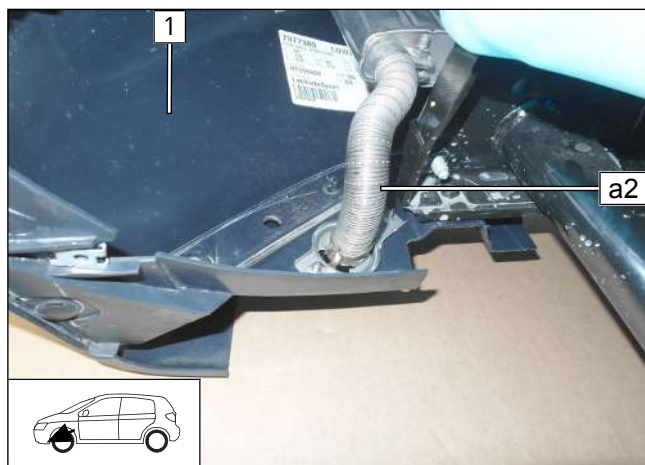


Fig. 98

- ▶ Work steps E6-E8
- ▶ Mount bumper **1**.

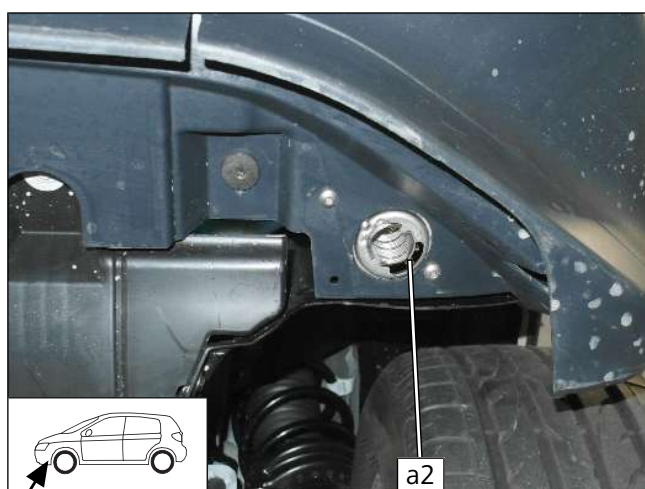


Fig. 99

- ▶ Work steps E6-E8

Checking distance

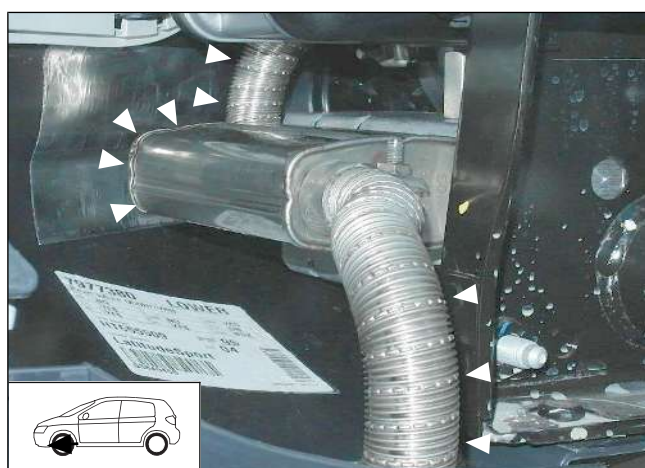


Fig. 100



Danger of damage to components

- ▶ Ensure sufficient distance from neighbouring components, correct if necessary.



14 Electrical system of passenger compartment

14.1 Mounting cold start system



Integrate the cold start system as per the separate installation documentation
'Cold start for Jeep Compass'.

14.2 Air-conditioning control

Integrate the air-conditioning control as per the separate installation documentation:



'Webasto Comfort' installation documentation for Jeep Compass air-conditioning control



15 Electrical system of control elements

15.1 Telestart option

Mounting receiver

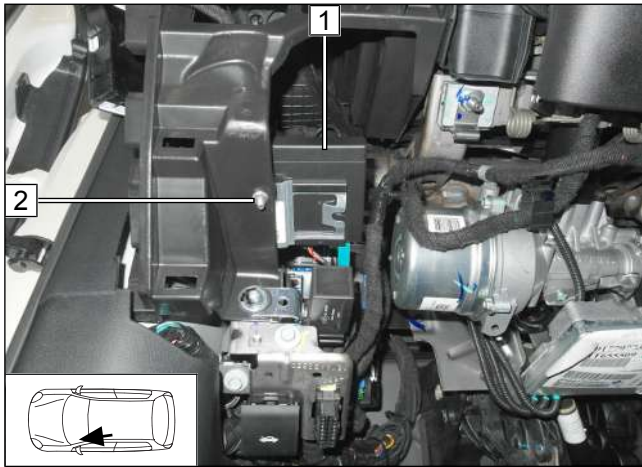


Fig. 101



Observe the Telestart installation documentation.

► Drill 5.5mm dia. hole at position **2** as shown.

1 Receiver

2 M5x16 bolt, receiver bracket, hole, flanged nut

Mounting temperature sensor T100 HTM

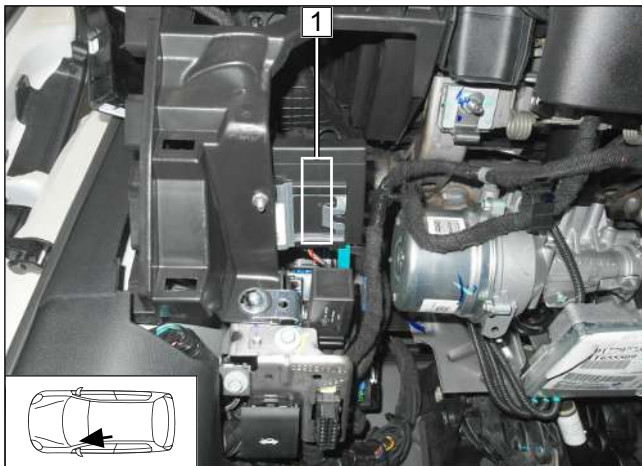


Fig. 102

► Fasten temperature sensor **1** (covered) using double-sided adhesive tape.

Mounting aerial

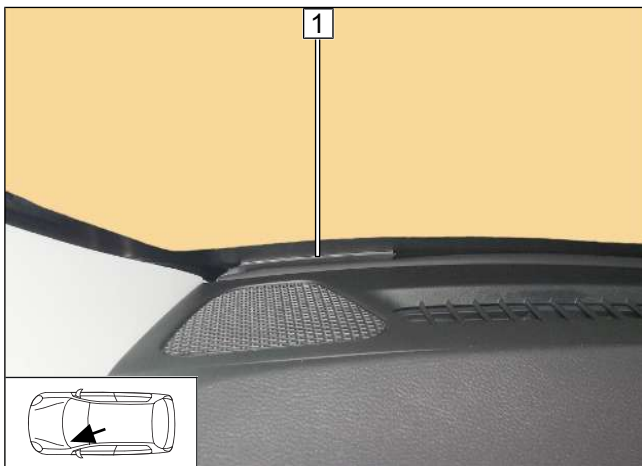


Fig. 103

1 Aerial



15.2 ThermoCall option

Mounting receiver

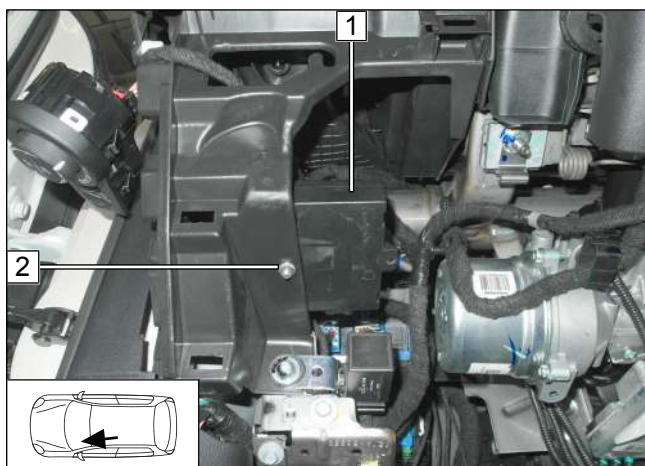


Fig. 104



Observe the ThermoCall installation documentation.

► Drill 5.5mm dia. hole at position **2** as shown.

- 1** Receiver
- 2** M5x16 bolt, receiver bracket, hole, flanged nut

Mounting aerial (optional)

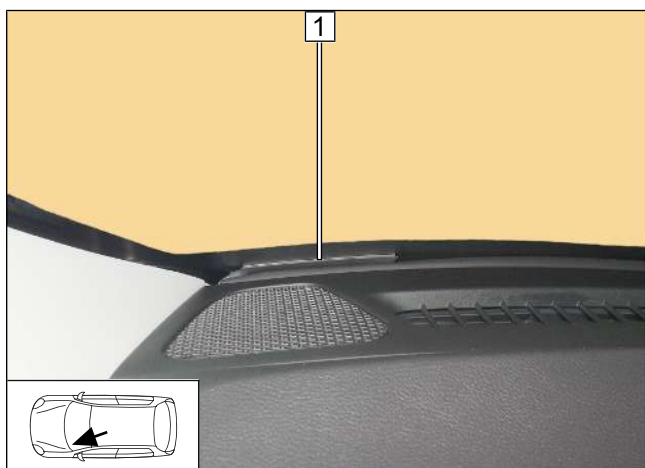


Fig. 105

- 1** Aerial



16 Final work



Further information can be found in the vehicle manufacturer's technical documentation.

- ▶ Mount removed parts in reverse order.



▶ Check all hoses, clamps and all electrical connections for firm seating.

▶ Insulate and tie back loose lines

▶ Spray heater and electrical components with anti-corrosion wax (Tectyl 100K).

▶ Connect the battery.



Only use manufacturer-approved coolant.

- ▶ Fill and bleed the coolant circuit according to the vehicle manufacturer's specifications.



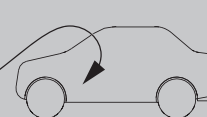
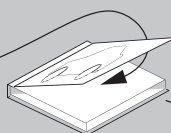
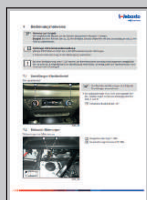
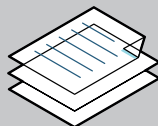
Further information can be found in the general installation and operating instructions of the Webasto components.

▶ Teach Telestart transmitter

▶ Initial start-up and function check

▶ Make settings on the A/C control panel according to the 'operating instructions'

▶ Affix 'Switch off parking heater before refuelling' caution label in area of filler point



These are the original instructions. The German language is binding.
You can request your language if it is missing. The telephone number of each country can be found in the Webasto service centre leaflet or the website of the respective Webasto representative of your country.

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17 Petrol and diesel FuelFix template



100mm

0 100mm

Scale 1:1
Compare size of printout with dimension lines.
Maximum permitted tolerance 2%.
Set the printer settings to no 'margin' or 'minimise margins' and 100% of the normal size.

