Water Heater

Thermo Top Evo Parking Heater

E1
00 0258

Installation Documentation
Honda HRV

Validity

Manufacturer	Model	Type	Model year	EG BE No. / ABE
Honda	HRV	RU8	From model year 2016	e6 * 2007 / 46 * 0158 * ...

Motorisation	Fuel	Emission standard	Transmission type	Output in kW	Displacement in cm³	Engine code
1.6 D	Diesel	Euro 6	6-speed SG	88	1597	N16A3

SG = manual transmission

Left-hand drive vehicle

Verified equipment variants: Single-zone Automatic air-conditioning
Two-zone automatic air-conditioning
Automatic Start-Stop system
Start button

Function note: Allowed heating time: max. 20 minutes!

Total installation time: approx. 9.4 hours

Honda HRV

Table of Contents

Necessary Components

Description	Order No.:
Basic delivery scope of Thermo Top Evo	In accordance with price list
Installation kit Honda HRV 2016 Diesel	1324882A
In case of Telestart, heater control, as well as indicator lamp in consultation with end customer	In accordance with price list
In case of installation of MultiControl CAR - MultiControl installation frame	9030077_

Webasto Individual Option

Description	Order No.:
Webasto Individual Auxiliary Heating additional kit	1320077_
Webasto Individual Quick additional kit	9030826_
Webasto Individual Select additional kit	9030828_

Installation Instructions

Arrange for the vehicle to be delivered with the tank only about ¼ full.
The installation location of the push button in case of Telestart or ThermoCall 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.

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.

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).

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.

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.

2. VEHICLE INSTALLATION REQUIREMENTS

2.1. Scope

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.

Honda HRV

Information on Validity

This installation documentation applies to Honda HRV Diesel vehicles - for validity, see page 1 - from model year 2016 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 Information

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

Dimensions
- All dimensions are in mm.

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

Explanatory Notes on Document

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

Mechanics **Electrics** **Coolant Circuit** **Combustion Air** **Fuel** **Exhaust Gas** **Software**

Special features are highlighted using the following symbols:

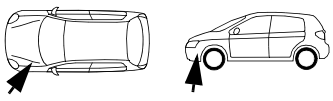
Specific risk of damage to components.

Specific risk due to electrical voltage.

Specific risk of fire or explosion.

Reference to a special technical feature.

The arrow in the vehicle icon indicates the position on the vehicle and the viewing angle.



Reference to the manufacturer's vehicle-specific documents.

Reference to specific installation instructions of Webasto components (demonstrated with the example of the FuelFix).

Reference to general installation instructions of Webasto components.

Tightening torque according to the manufacturer's vehicle-specific documents.

Preliminary Work

Vehicle

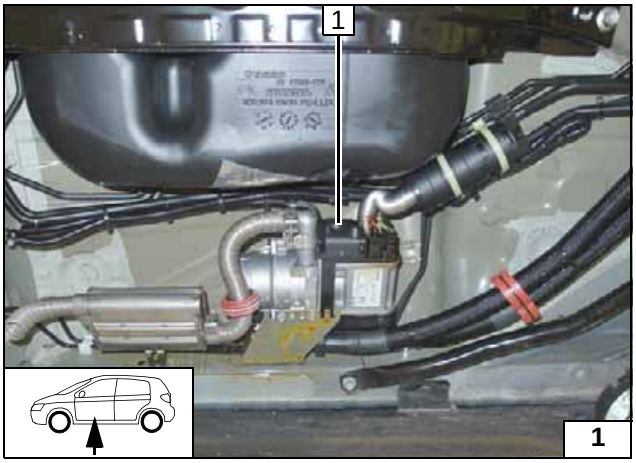
- Open the fuel tank cap.
- Ventilate the fuel tank.
- Close the fuel tank cap again.
- Depressurise the cooling system.
- Remove the engine cover.
- Disconnect and remove the battery completely together with the carrier.
- Remove the air filter completely, together with the intake hose.
- Remove the underride protection.
- Remove the underbody trim.
- Remove the lower footwell trim on the left.
- Remove the lower instrument panel trim on the left.
- Detach the passenger compartment fuse and relay box.

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

- Remove the fuel tank 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) visibly in the appropriate place in the engine compartment.



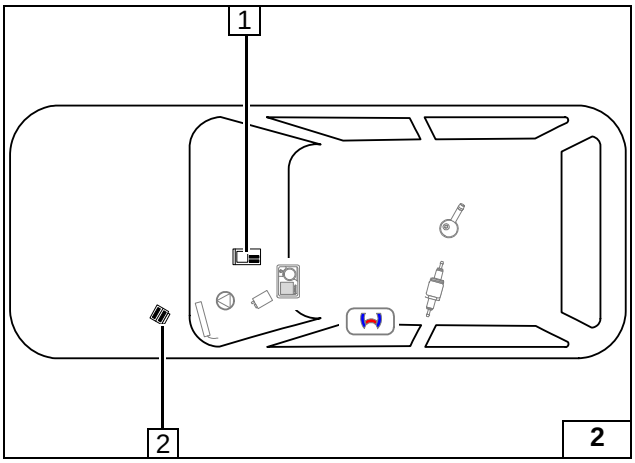
Heater Installation Location

1 Heater

Installation location

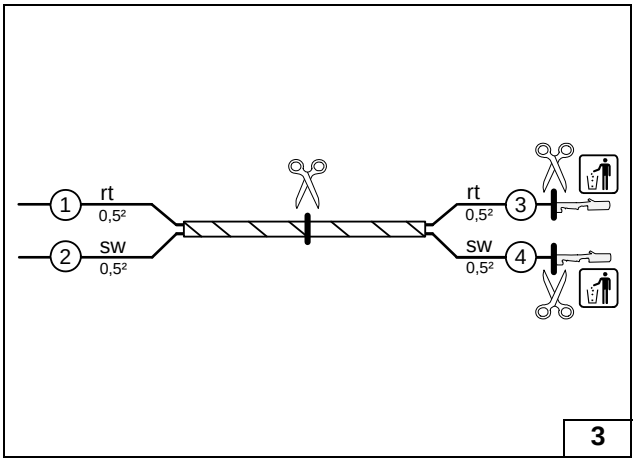
Preparing Electrical System

Installation overview



1 Passenger compartment relay and fuse holder
2 Engine compartment fuse holder

Cutting to length / assigning wires



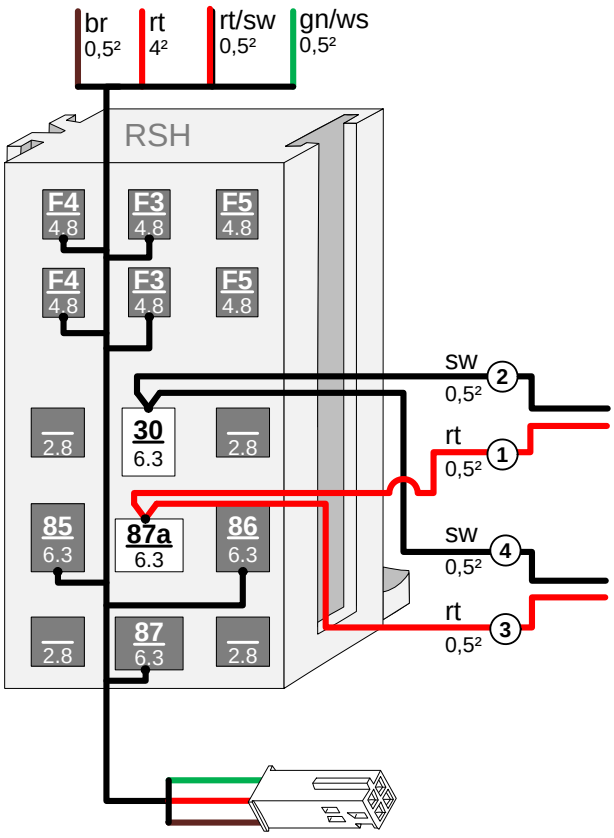
Wire sections retain their numbering in the entire document.

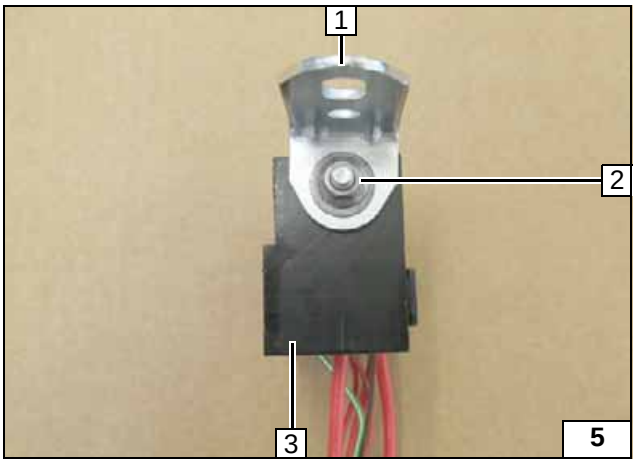
Produce all following electrical connections as shown in the wiring diagram.

Cut the provided wiring harness in half.

① Red (rt) wire of fan wiring harness 1
② Black (sw) wire of fan wiring harness 1
③ Red (rt) wire of fan wiring harness 2
④ Black (sw) wire of fan wiring harness 2

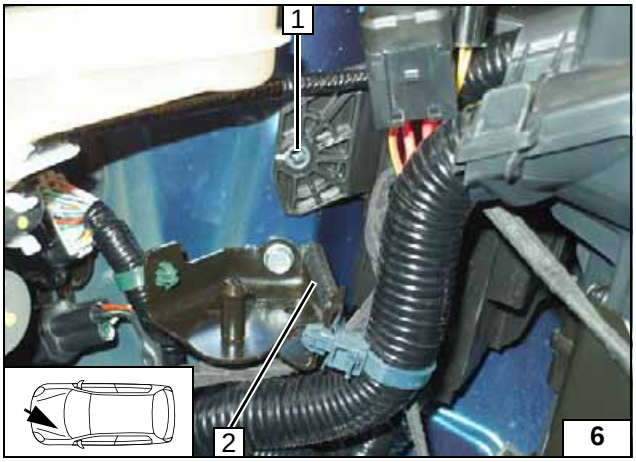
Connecting wires to passenger compartment relay and fuse holder





1 Angle bracket
2 M5x16 bolt, large diameter washer [2x], nut
3 Passenger compartment relay and fuse holder

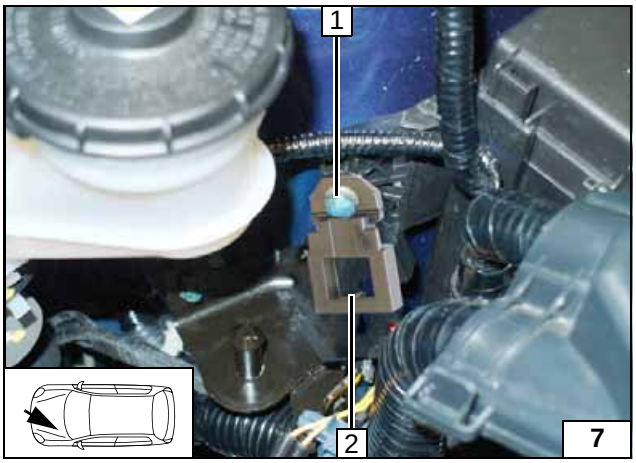
Installing angle bracket



Remove original vehicle bolt at position **1** and discard.

2 50mm long edge protection

Preparing engine compartment for fuse holder



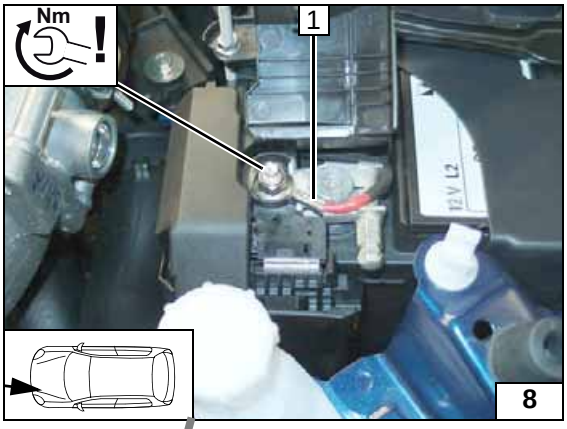
1 M6x20 bolt, washer
2 Fuse holder retaining plate

Installing engine compartment fuse holder

Electrical System

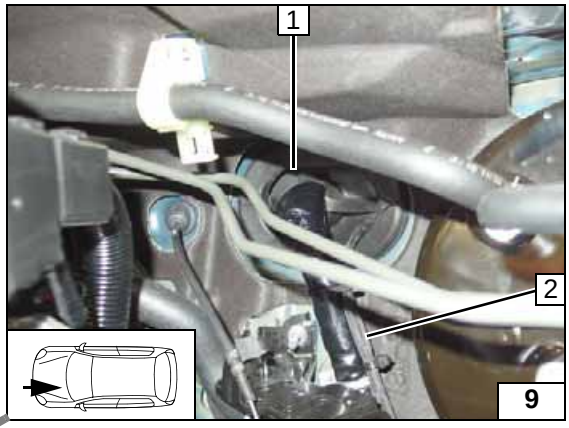
Positive wire

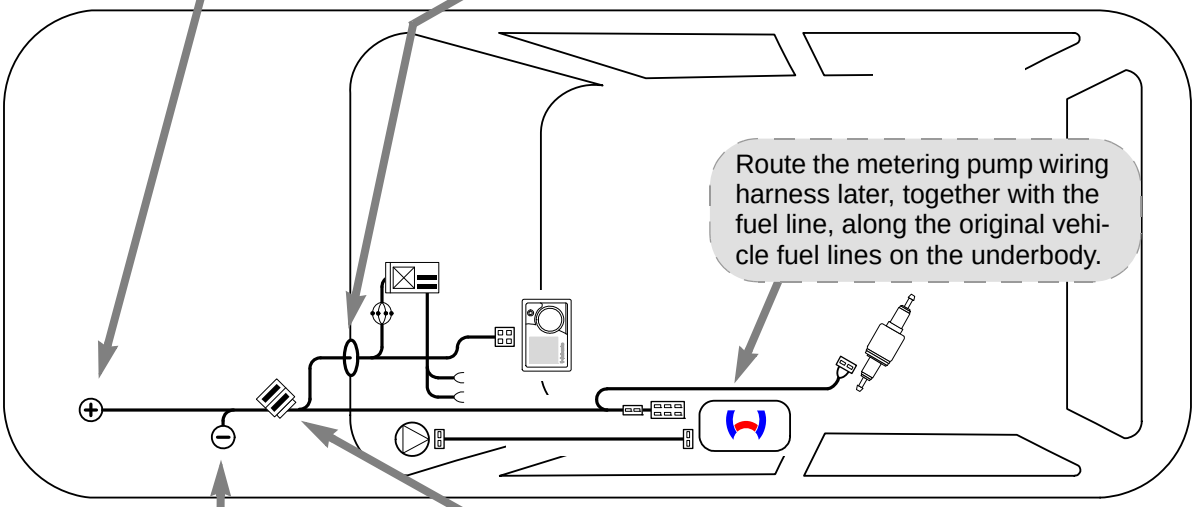
1 Positive wire on positive battery terminal



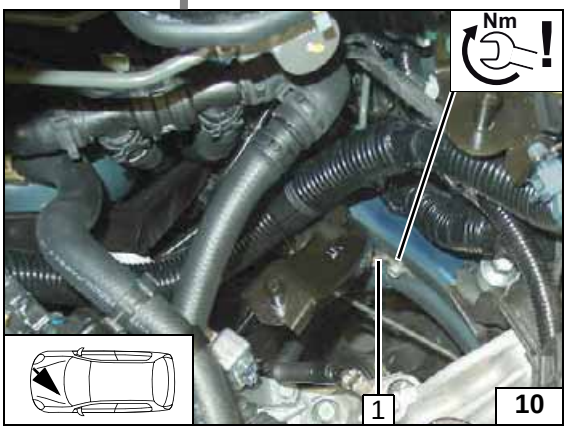
Wiring harness pass through

1 Protective rubber plug
2 Wiring harness of heater, heater control





Wiring harness routing diagram



Earth wire

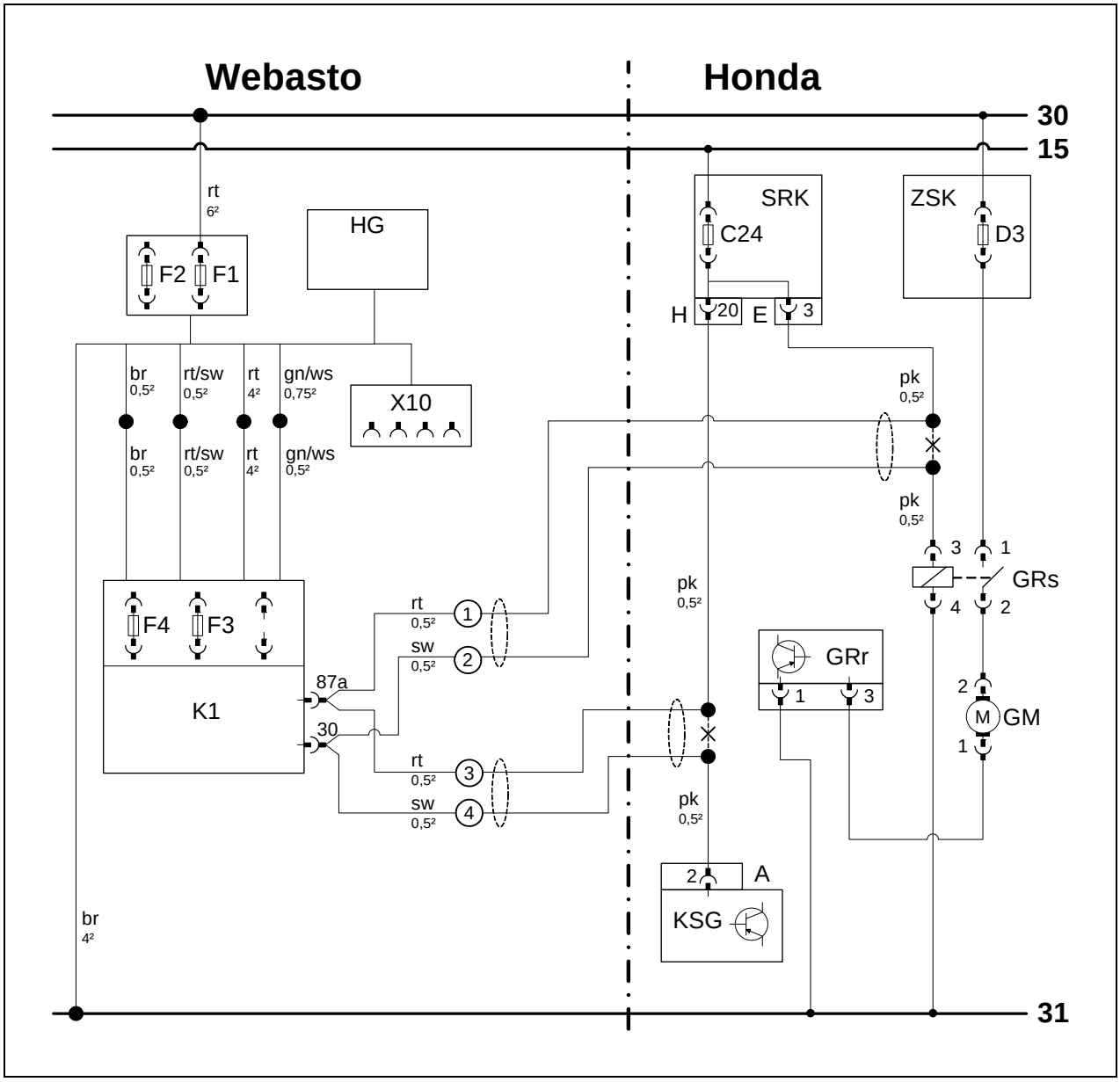
1 Earth wire on original vehicle earth support point

Engine compartment fuse holder

1 Fuses F1-2

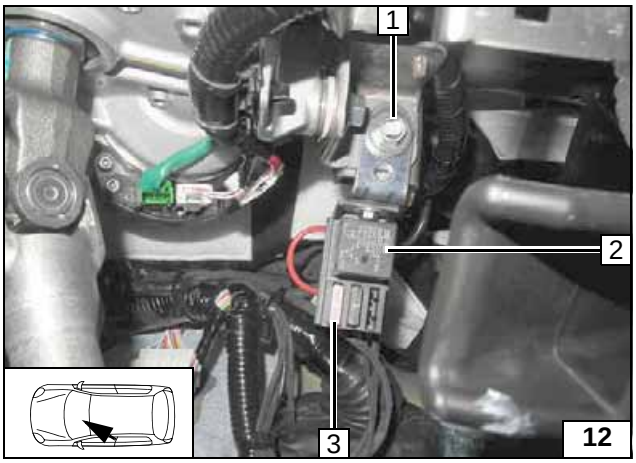
Fan Controller

System wiring diagram



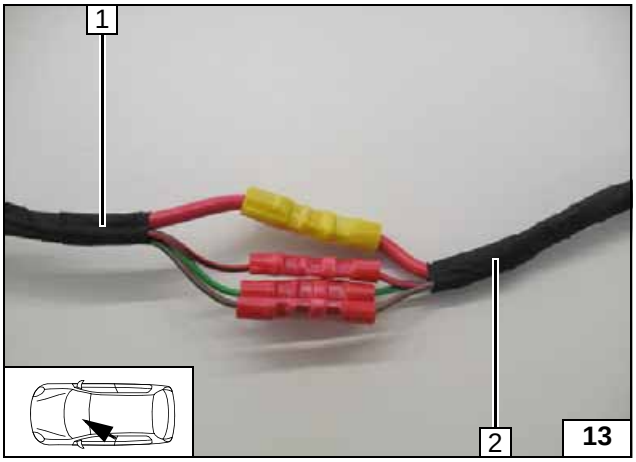
Legend

Webasto components		Vehicle components		Colours and symbols	
HG	TT-Evo heater	ZSK	Passenger compartment additional fuse box	rt	red
F1	20A fuse			sw	black
F2	30A fuse	D3	40A fuse	ws	white
X10	4-pin socket of heater control	SRK	Passenger compartment fuse and relay box	gn	green
				br	brown
F3	1A fuse	C24	7.5A fuse	pk	pink
F4	3A fuse	H	20-pin connector of SRK		
K1	Fan relay	E	12-pin connector of SRK		
		GRs	Fan relay		
		GRr	Fan controller		
		GM	Fan motor		
		KSG	A/C control unit	**X**	Cutting point
		A	Connector of KSG	Wiring colours may vary.	



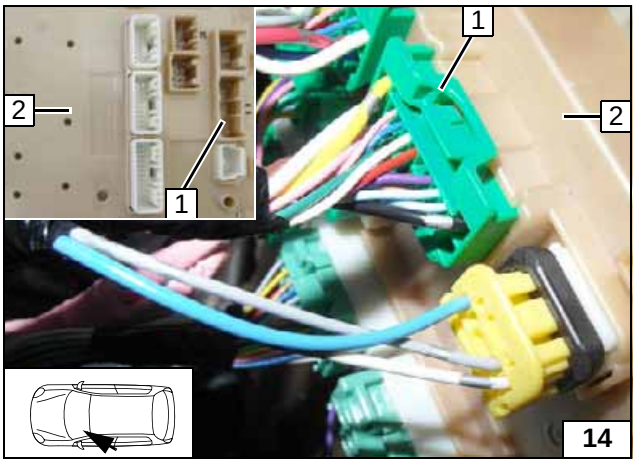
1 Original vehicle bolt
2 Relay K1
3 3A fuse F4

Installing passenger compartment relay and fuse holder



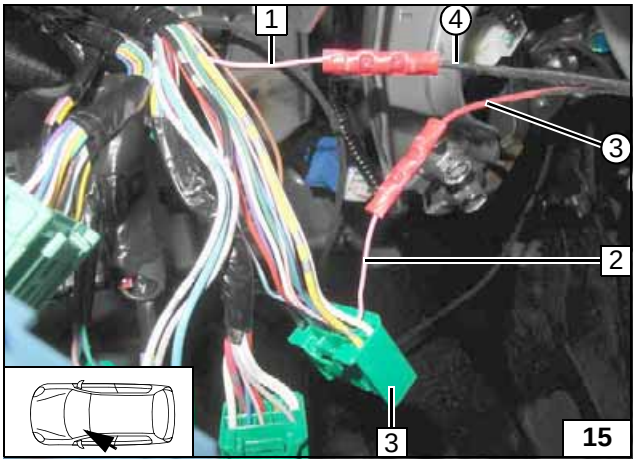
1 Passenger compartment relay and fuse holder wiring harness
2 Heater wiring harness

Connecting same colour wires of wiring harnesses



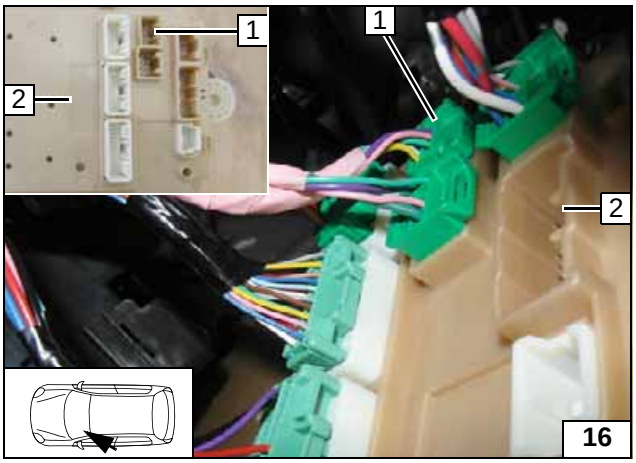
1 20-pin connector H
2 Rear view of passenger compartment fuse and relay box

View of connector H from SRK



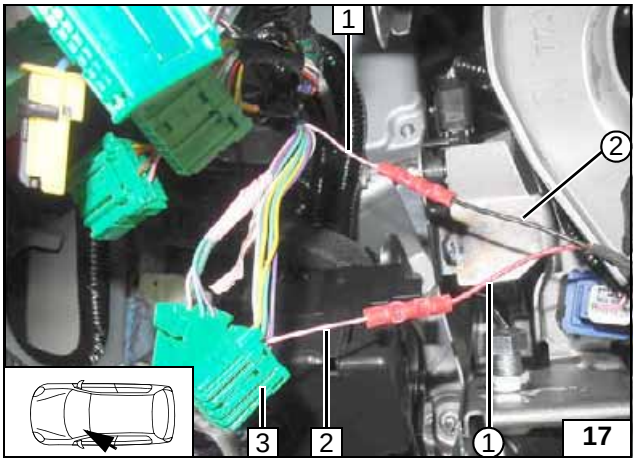
1 Pink (pk) wire of connector A of KSG / pin 2
2 Pink (pk) wire of connector H / pin 20
3 20-pin connector H of SRK
③ Red (rt) wire of K1/87a, fan wiring harness 2
④ Black (sw) wire of K1/30, fan wiring harness 2

Connecting KSG



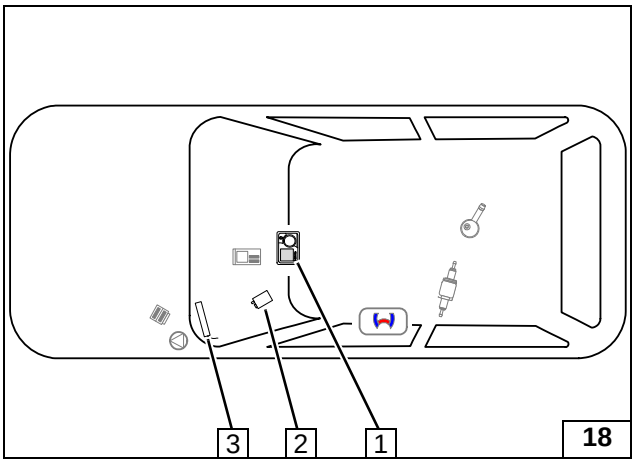
1 12-pin connector E
2 Rear view of passenger compartment fuse and relay box

View of connector E from SRK



1 Pink (pk) wire of fan relay / pin 3
2 Pink (pk) wire of connector E / pin 3
3 12-pin connector E of SRK
① Red (rt) wire of K1/87a, fan wiring harness 1
② Black (sw) wire of K1/30, fan wiring harness 1

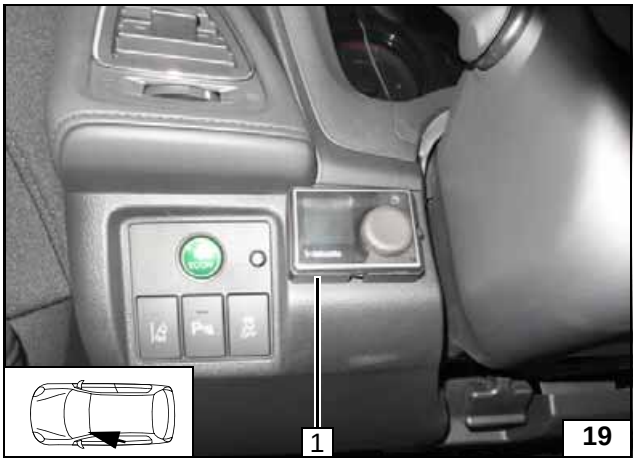
Connecting fan relay



Heater Control Installation

1 MultiControl CAR
2 Telestart receiver
3 Telestart / ThermoCall aerial

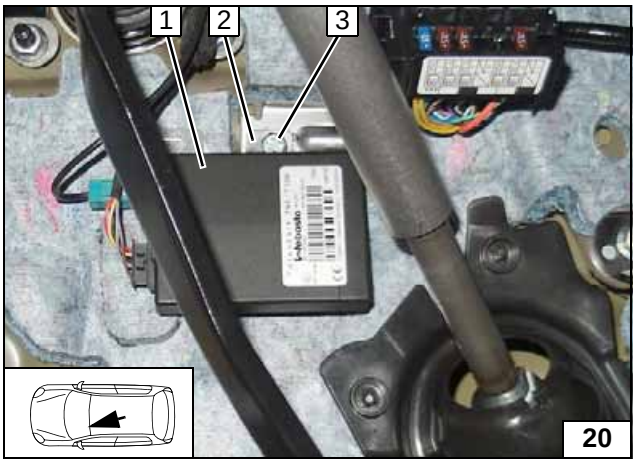
Installation overview



MultiControl CAR Option

1 Installation frame

Installing MultiControl CAR

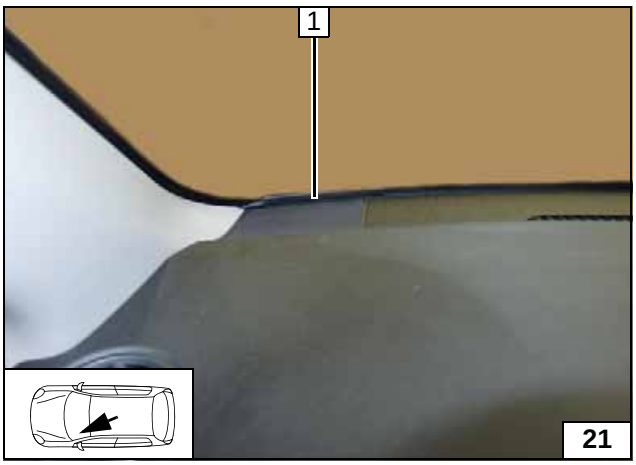


Remote Option (Telestart)

Drill out Telestart bracket **2** at position **3** to 6.5mm.

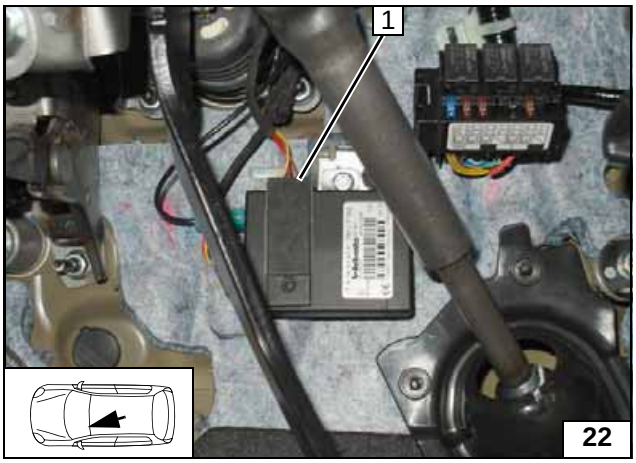
1 Receiver
3 Original vehicle bolt

Installing receiver



1 Aerial

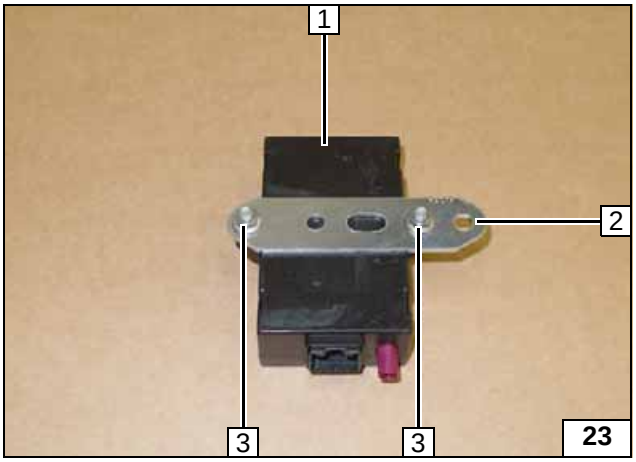
Installing aerial



Temperature sensor T100 HTM

Fasten temperature sensor **1** with double-sided adhesive tape.

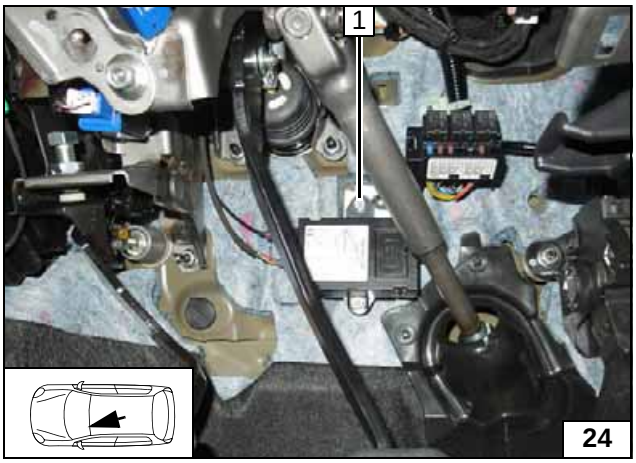
Installing temperature sensor



ThermoCall Option

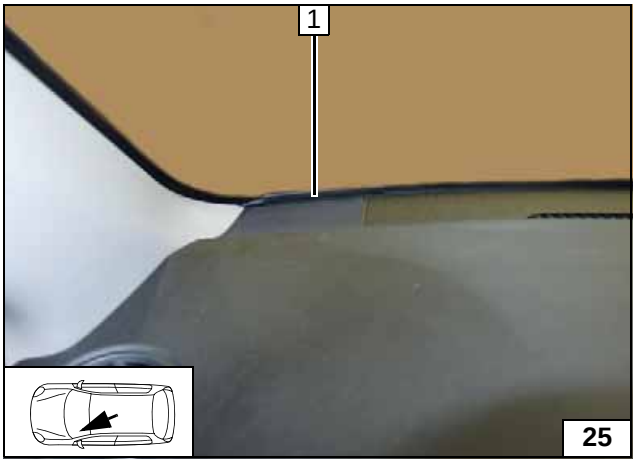
1 Receiver
2 Perforated bracket
3 M5x13 bolt, flanged nut [2x each]

Premounting receiver



1 Original vehicle bolt

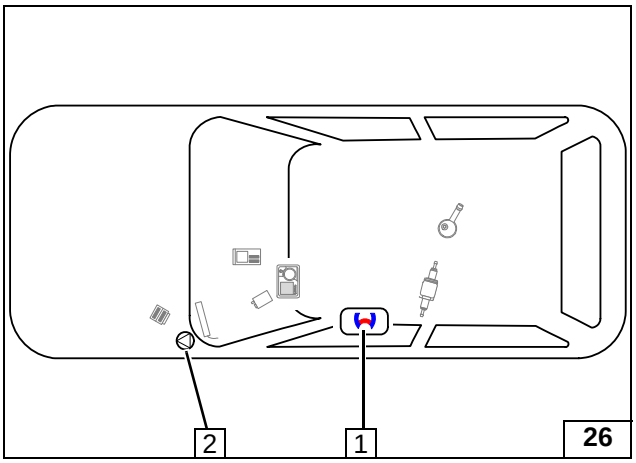
Installing receiver



1 Aerial (optional)

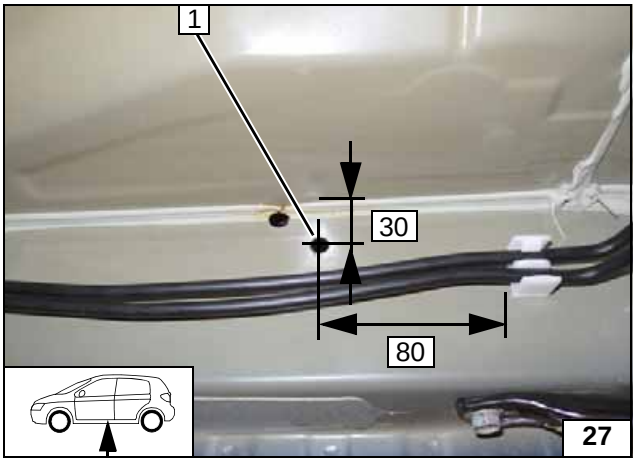
Installing aerial

Preparing Installation Location



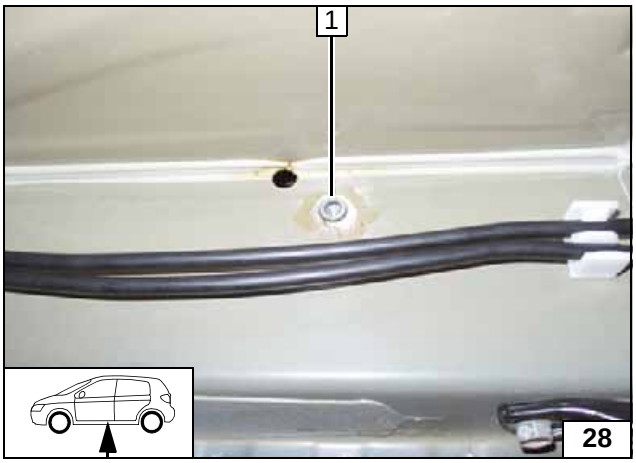
1 Heater
2 Circulating pump

Installation overview



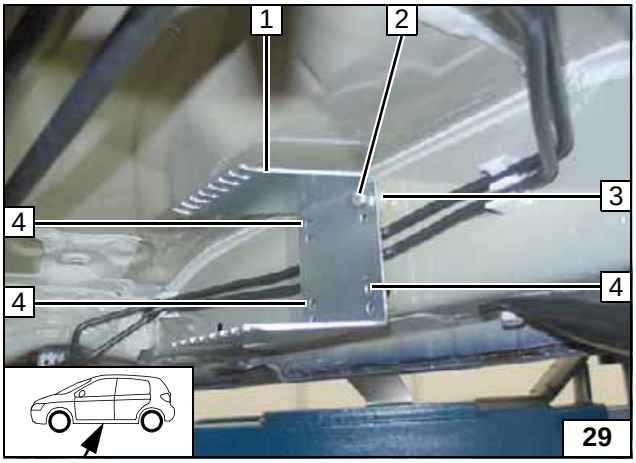
1 Hole pattern, 9mm dia. hole

Copying hole pattern



1 Rivet nut

Installing rivet nut

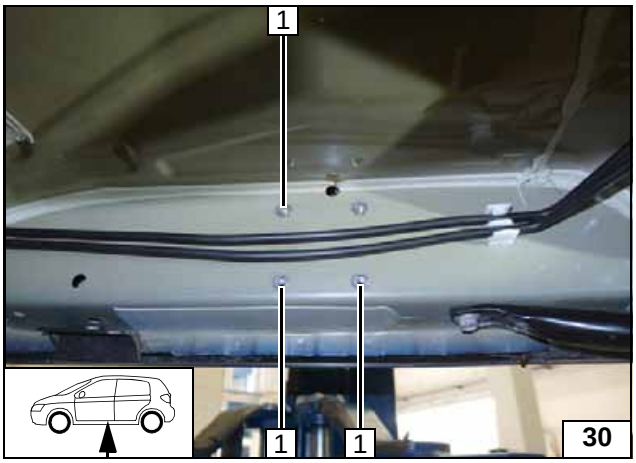


Align bracket **1** as shown.

2 M6x30 bolt
3 10mm spacer
4 Hole pattern [3x]

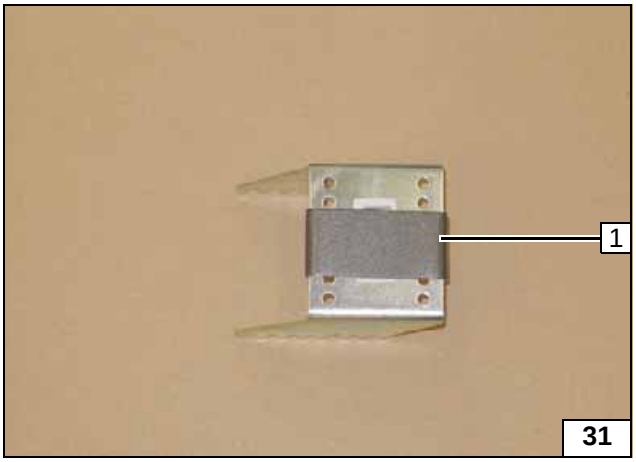
Copying hole pattern

Dismantle bracket.



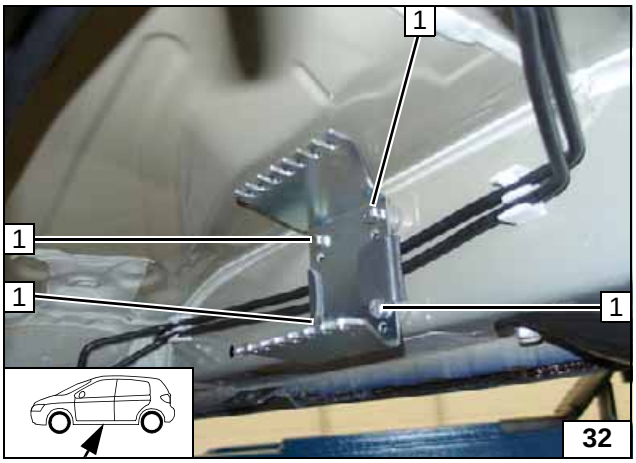
1 9mm dia. hole; rivet nut [3x each]

Installing rivet nut



1 Self-adhesive foam

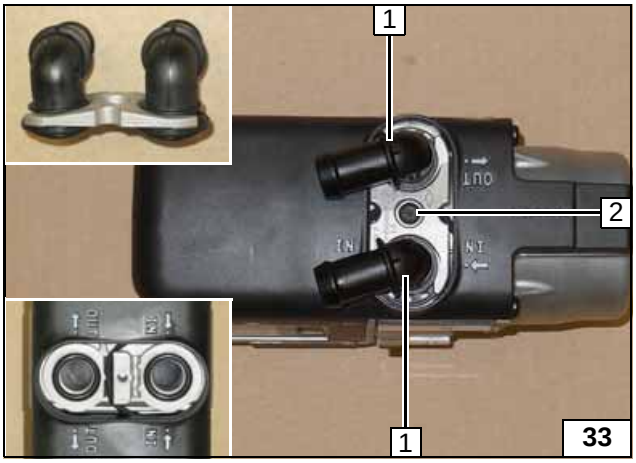
Preparing bracket



Install at position **1** each time a 10mm spacer between the vehicle and the heater bracket [4x]!

1 M6x30 bolt, spring lockwasher [4x each]

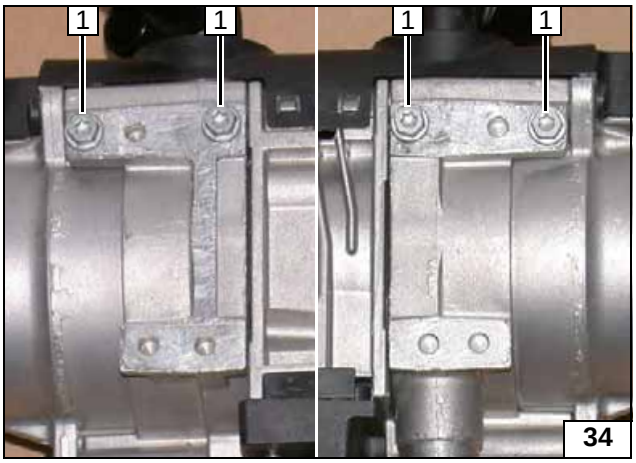
Installing bracket



Preparing Heater

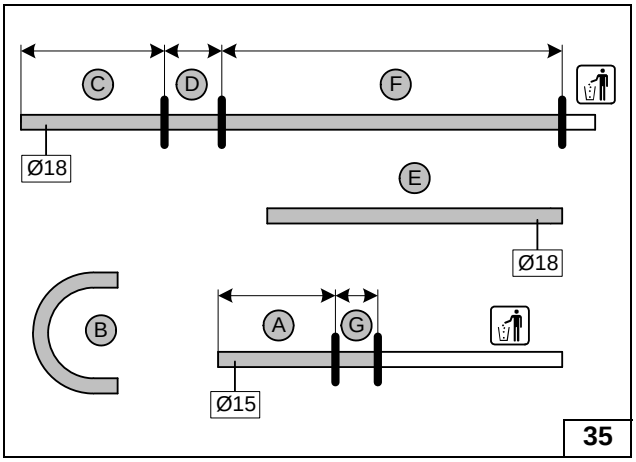
1 Water connection piece, sealing ring [2x each]
2 5x15 self-tapping bolt, retaining plate of water connection piece

Installing water connection piece



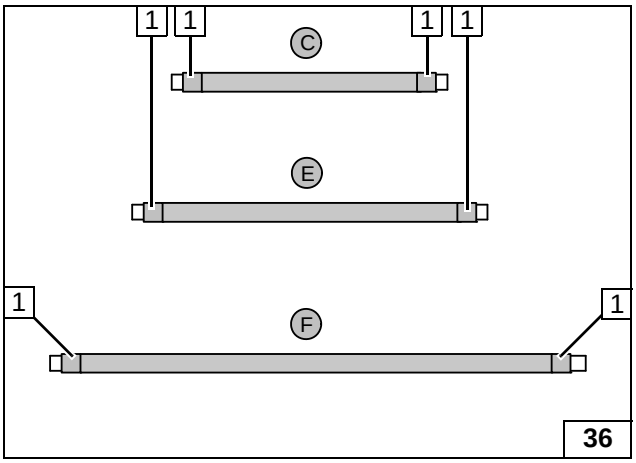
Screw 5x13 self-tapping bolts **1** [4x] into existing holes by a maximum of 3 thread turns.

Premounting bolts loosely



A = 240
B =180°, 18mm dia.
C = 530
D = 110
E = 800
F = 1300
G = 60

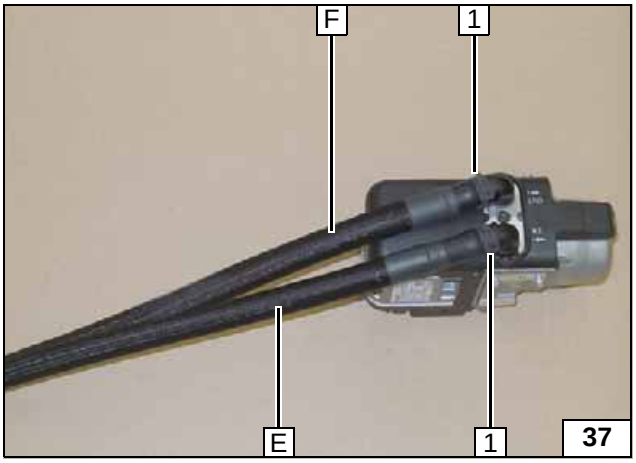
Cutting hoses to length



Push braided protection hoses onto hoses **C, E** and **F** and cut to length. Cut heat shrink plastic tubing to size.

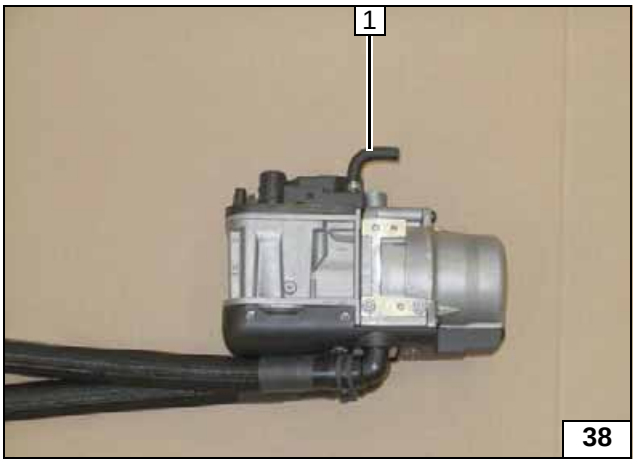
1 50 mm long heat shrink plastic tubing [6x]

Preparing hoses



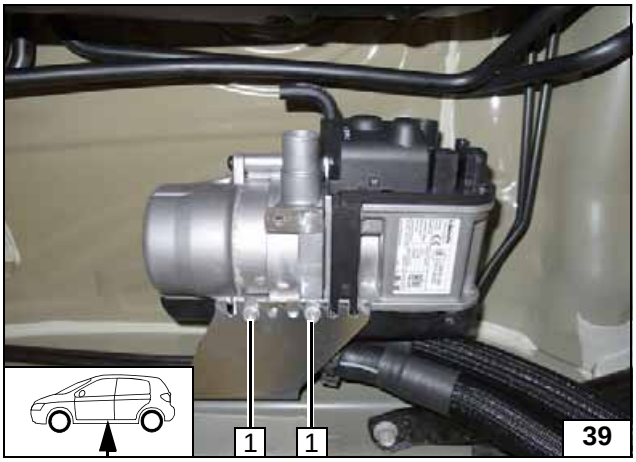
1 25 mm dia. spring clip [2x]

Premounting hoses



1 90° moulded hose, 10 mm dia. clamp

Premounting moulded hose



Installing Heater

1 5x13 self-tapping bolt [4x]
(2 covered by heater!)

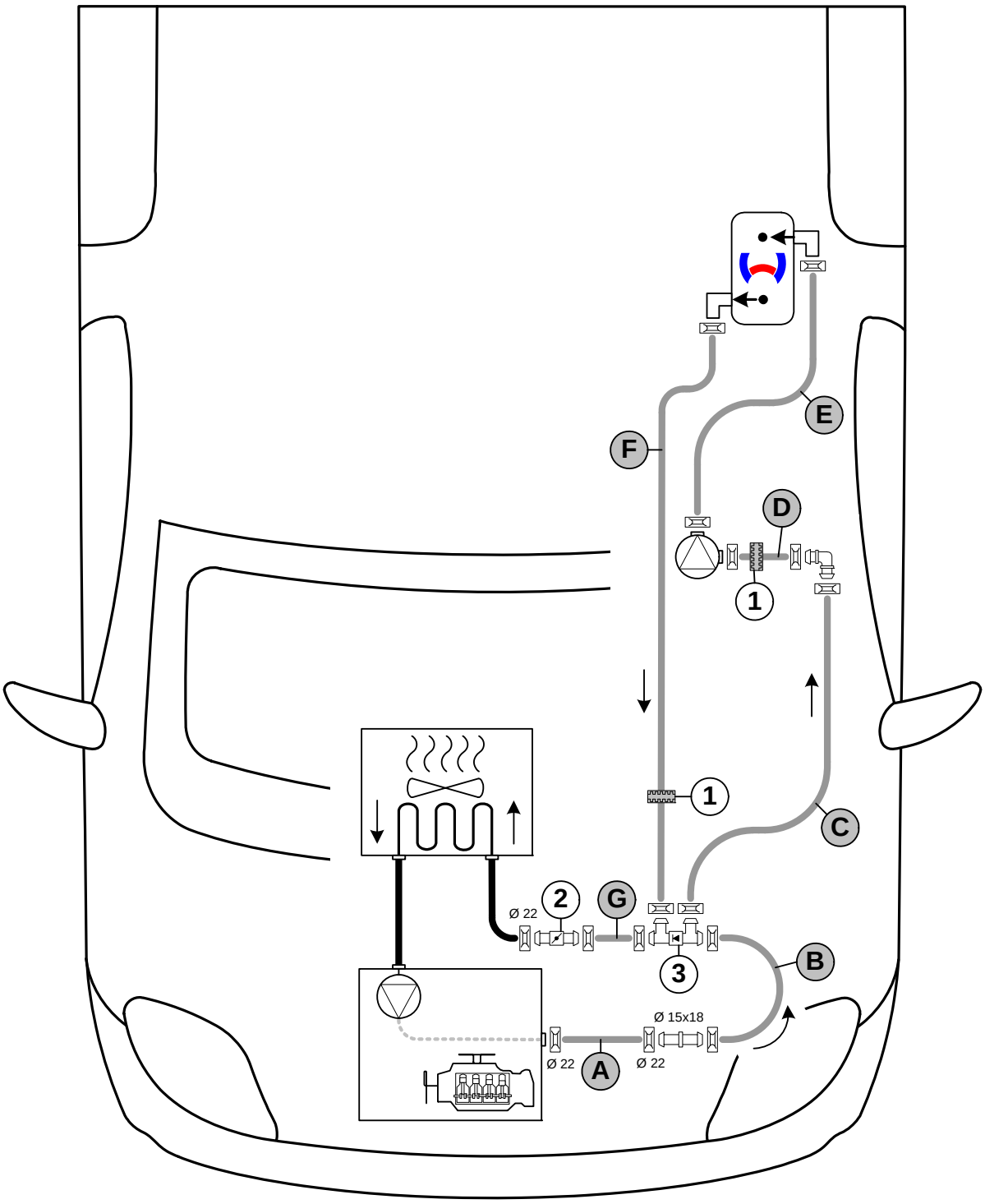
Installing heater

Coolant Circuit

Any coolant running off should be collected in an appropriate container. Route hoses kink-free. Unless specified otherwise, always fasten using cable ties. Position clamps so that other hoses cannot be damaged. The heater must be filled with coolant when installing the hoses.

The connection should be modelled on an ‘inline’ circuit and based on the following diagram:

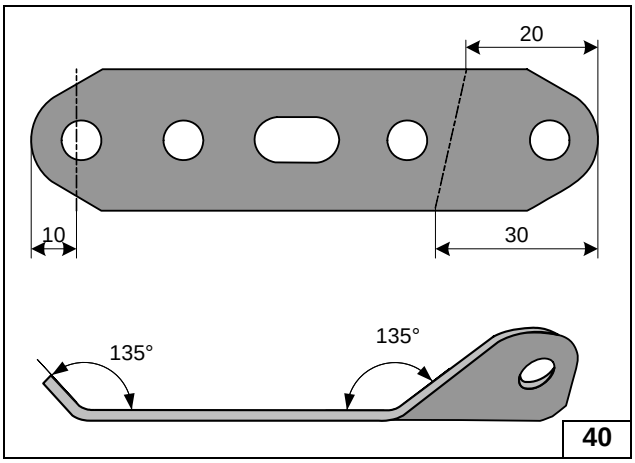
Hose routing diagram



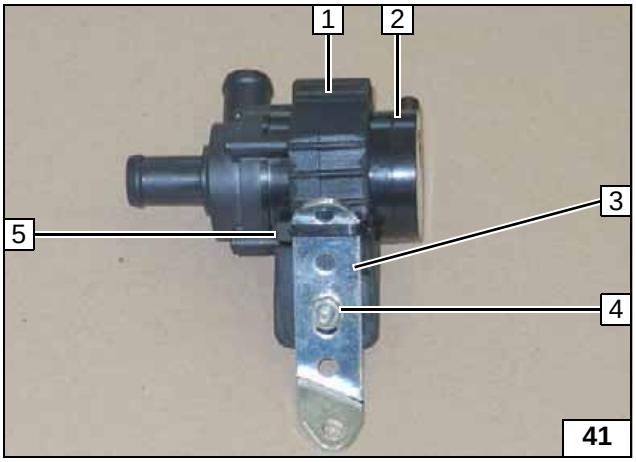
All spring clips without a specific designation = 25mm dia. Connecting pipe = 18x18mm dia.

1 = Black (sw) rubber isolator **2** = Original vehicle shut-off valve. **3** = Check valve .

Preparing perforated bracket

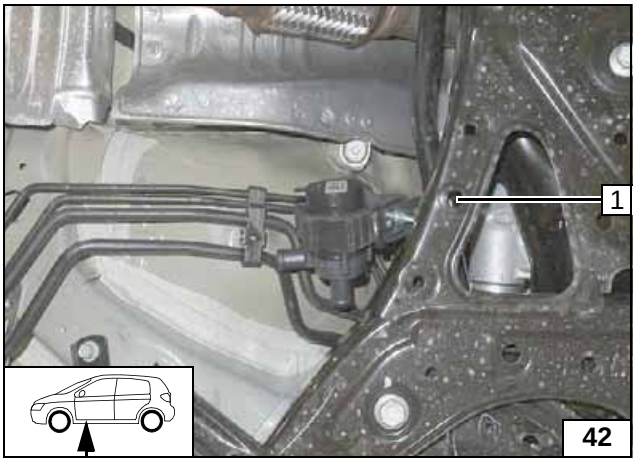


Premounting circulating pump



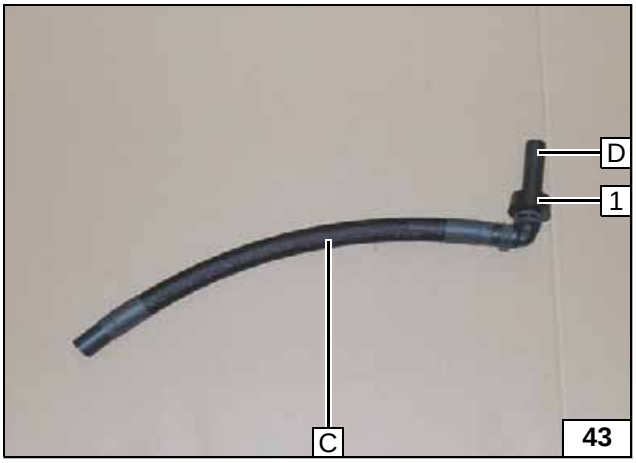
1 Circulating pump mount
2 Circulating pump
3 Perforated bracket
4 M6x25 bolt, flanged nut
5 Cable tie

Installing circulating pump

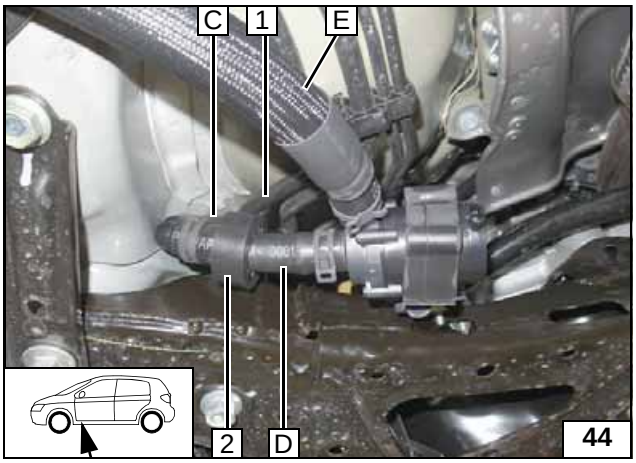


1 M6x20 bolt, original vehicle hole, flanged nut

Premounting hose C and D



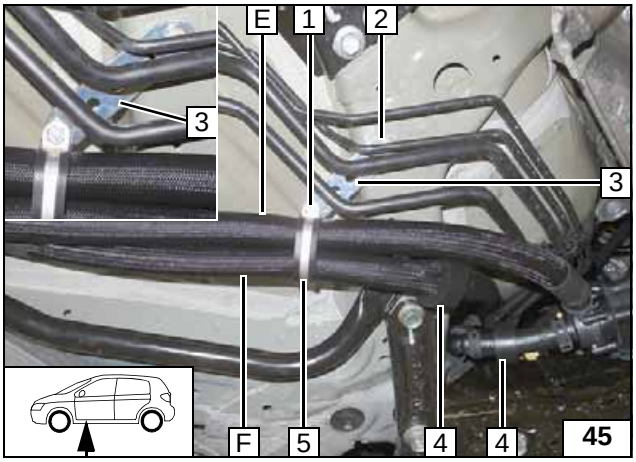
1 Black (sw) rubber isolator



Route hose **C** between original vehicle fuel lines **1** and body in the engine compartment.

2 Position black (sw) rubber isolator

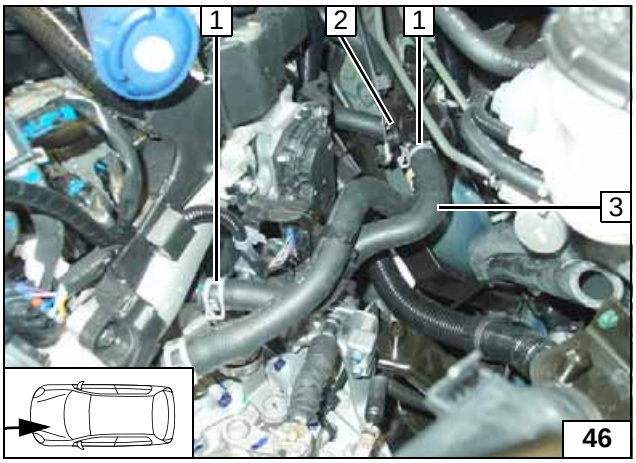
Connecting circulating pump



Route hose **F** along hose **C**in the engine compartment.

1 M6x20 bolt, flanged nut
2 M6x20 bolt, spring lockwasher, original vehicle thread
3 Perforated bracket
4 Black (sw) rubber isolator [2x]
5 38 mm dia. rubber-coated p-clamp

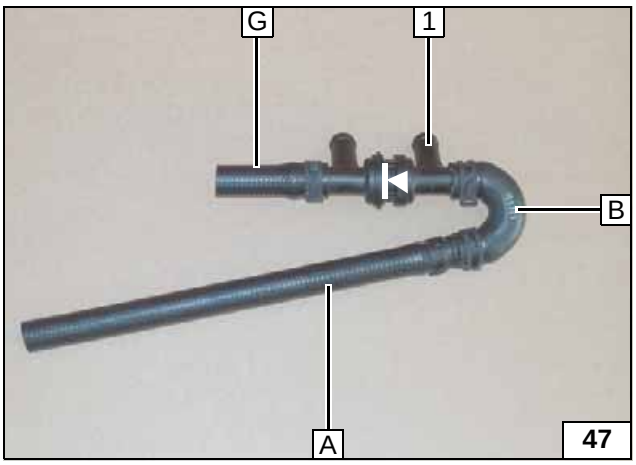
Routing on underbody



Dismantle engine outlet / heat exchanger inlet hose **3** and spring clip **1** [2x] and discard.

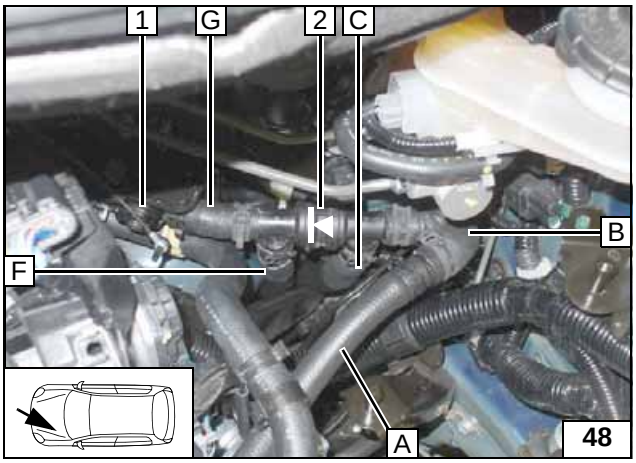
2 Original vehicle shut-off valve

Cutting point



1 Check valve

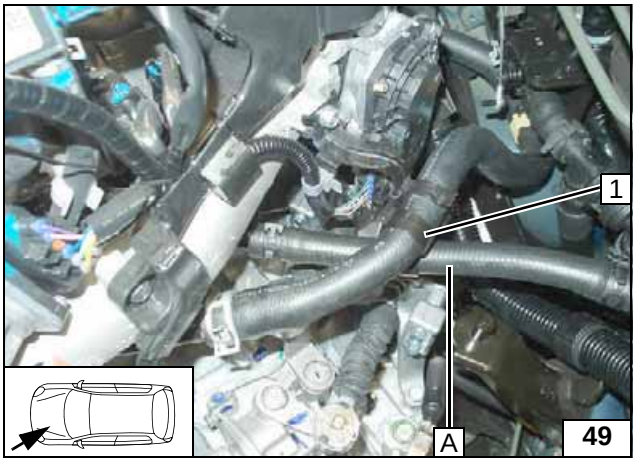
Premounting hoses A, B and G



Align hoses. Ensure sufficient distance from neighbouring components, correct if necessary.

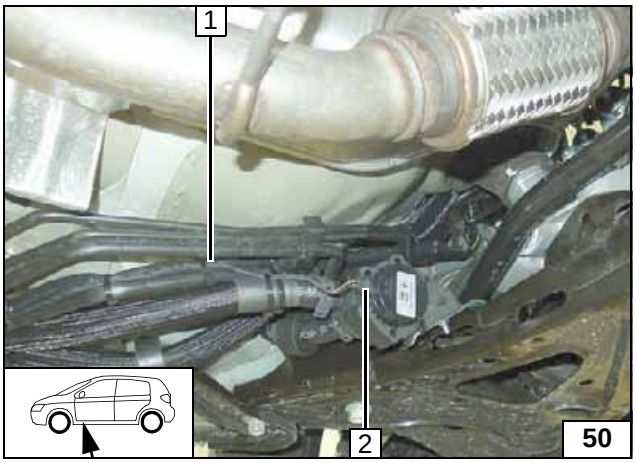
1 Original vehicle shut-off valve
2 Check valve

Connecting heat exchanger inlet



1 Hose bracket

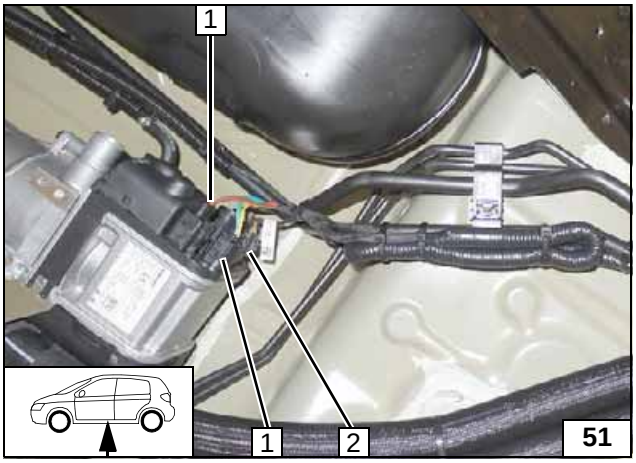
Connecting engine outlet



Heater wiring harness **1** and circulating pump wiring harness to the heater.

2 Circulating pump wiring harness connector

Installing wiring harness



1 Heater wiring harness connector [2x]
2 Circulating pump wiring harness connector

Installing wiring harness

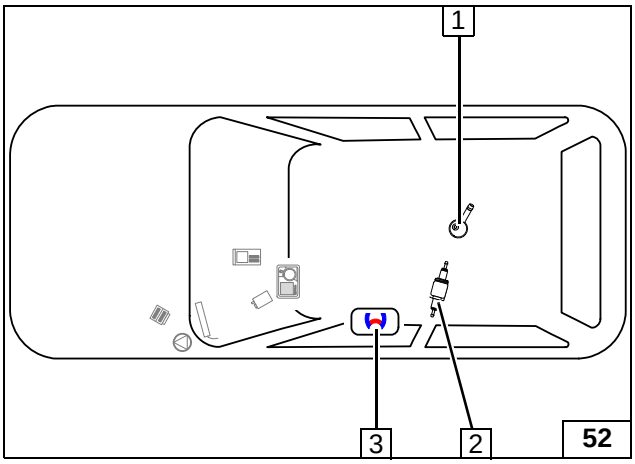
Fuel

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.

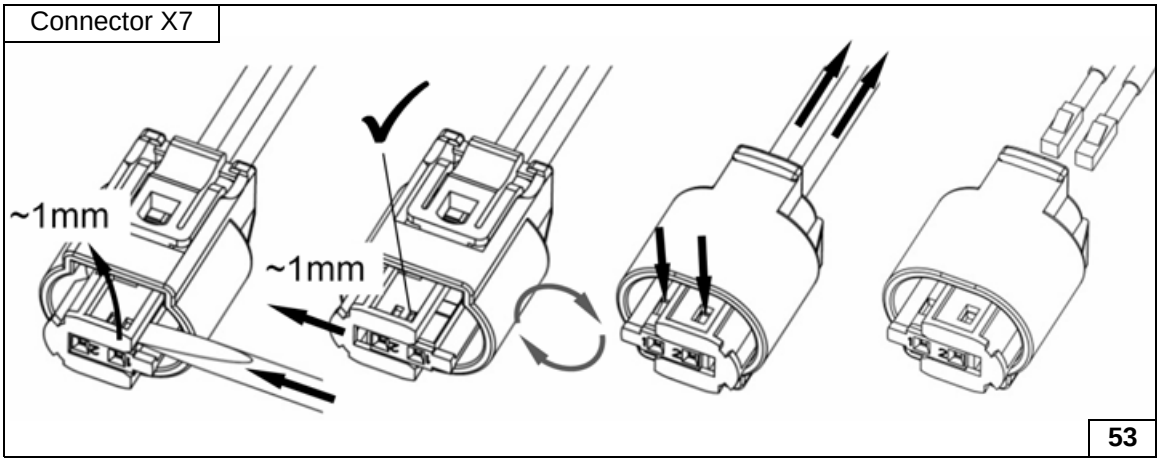
The fuel line and wiring harness are routed to the metering pump as shown in the wiring harness routing diagram.



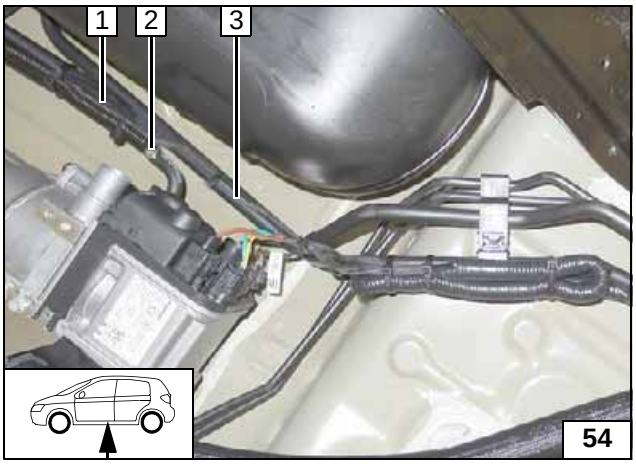
1 FuelFix
2 Metering pump
3 Heater

Installation overview

Connector X7



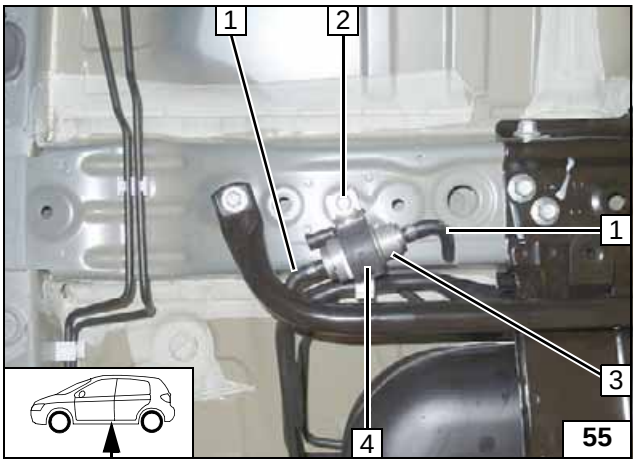
Dismantling metering pump connector



1 Corrugated tube with fuel line and metering pump wiring harness
2 10mm dia. clamp
3 Metering pump wiring harness

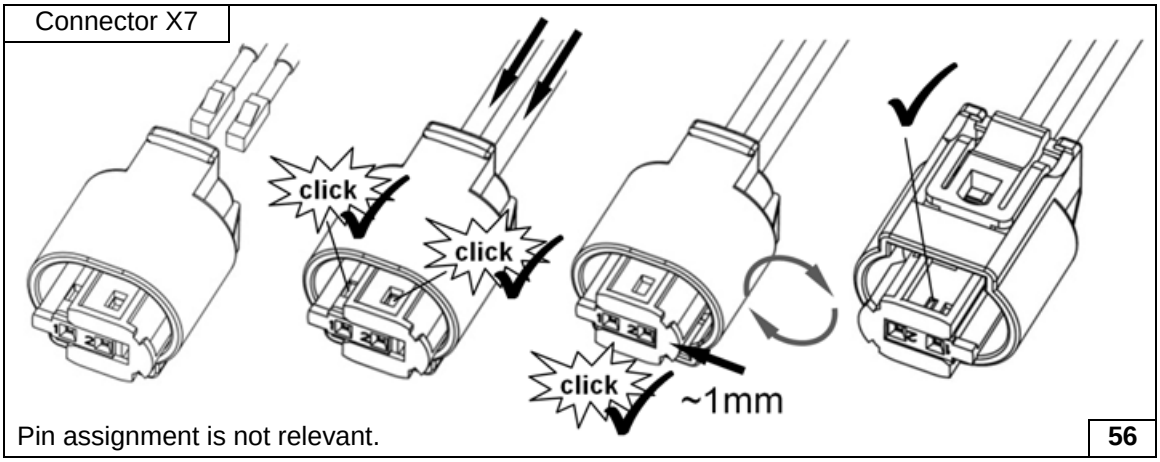
Connecting heater

Installing metering pump

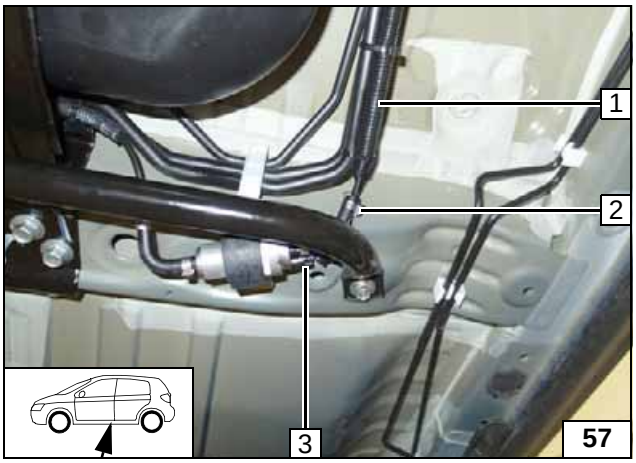


1 90° moulded hose, 10mm dia. clamp [2x each]
2 M6x25 bolt, support angle bracket, original vehicle thread
3 Metering pump
4 Metering pump mount

Completing metering pump connector

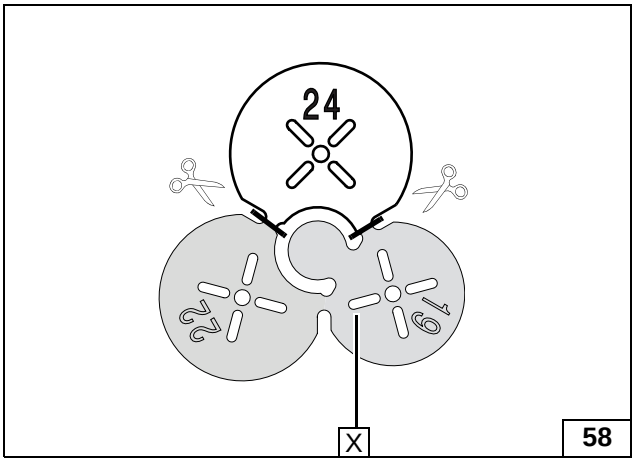


Connecting metering pump



1 Corrugated tube with fuel line and metering pump wiring harness
2 10mm dia. clamp
3 Metering pump wiring harness, connector X7 mounted

Preparing drilling template



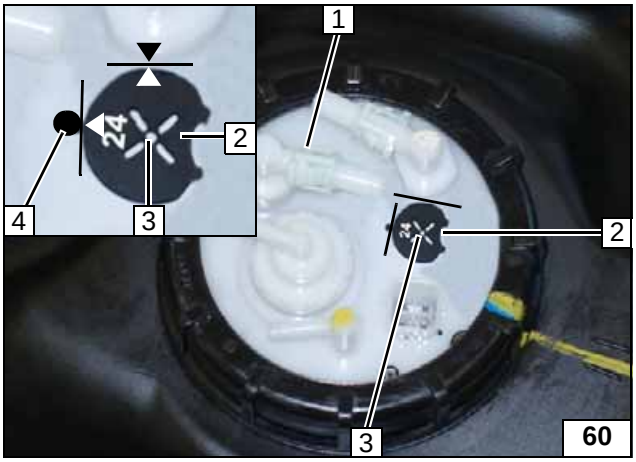
Installing FuelFix

X =

Remove fuel tank according to manufacturer's instructions.

X =

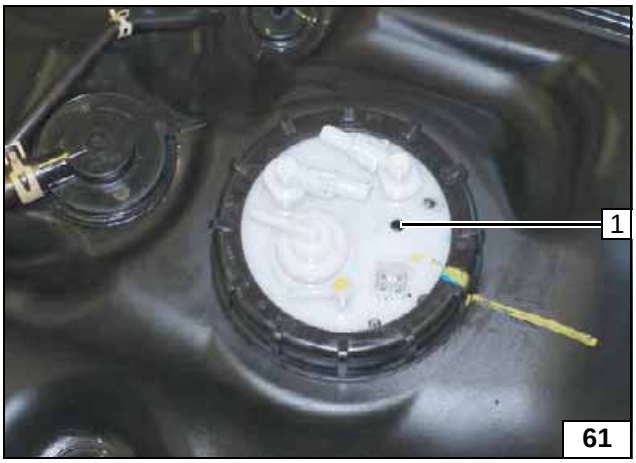
Removing label



Work steps F1 and F2.

1 Fuel tank sending unit
2 Position 24mm dia. template as shown
3 Hole pattern
4 Plastic pin

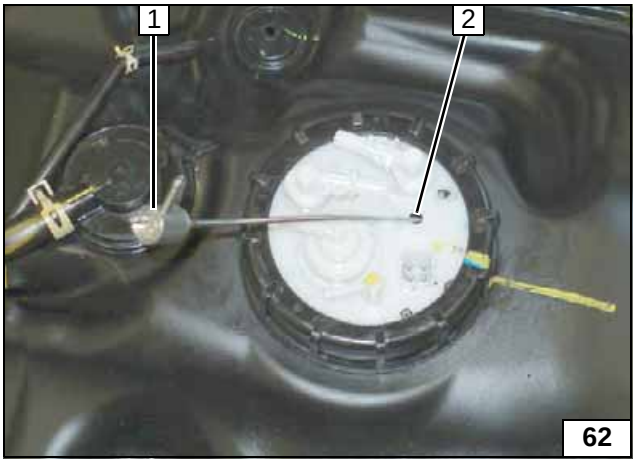
Copying hole pattern



Work step F3.

1 Hole made with provided drill

Hole for FuelFix



Work steps F4 and F5.

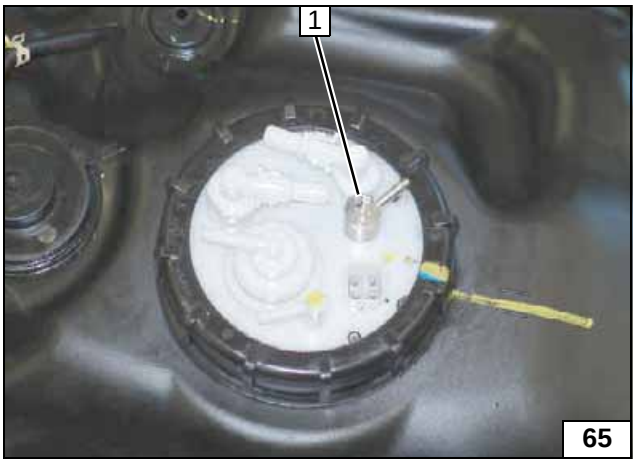
Bend FuelFix **1** according to template and cut to length.
Insert into hole **2**.

Inserting FuelFix

Work step F5.

Inserting FuelFix

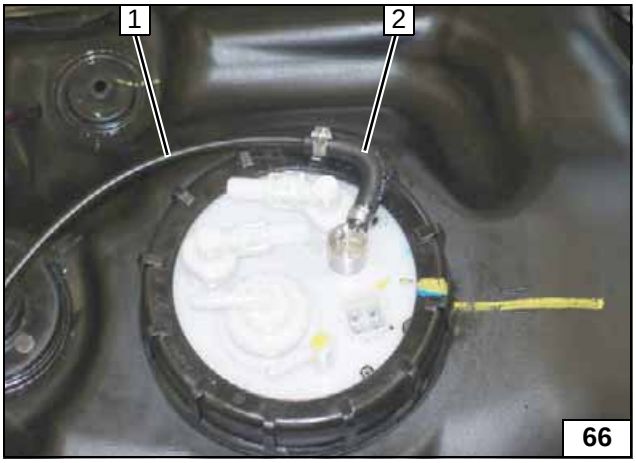
Inserting FuelFix



Work steps F5.3 and F5.4.

Align FuelFix **1** as shown.

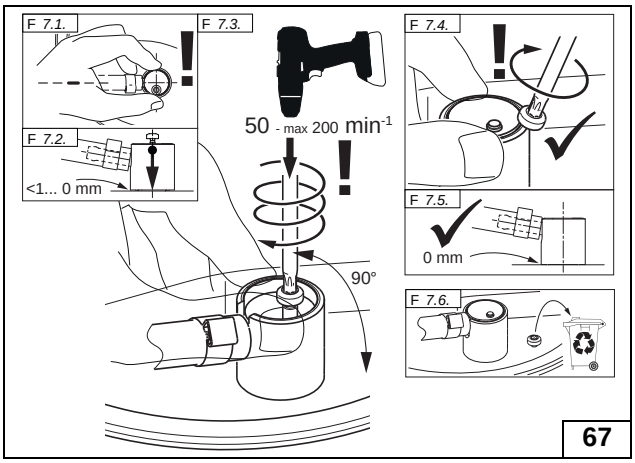
Aligning FuelFix



Work step F6.

1 Fuel line
2 90° moulded hose, 10 mm dia. clamp [2x]

Connecting fuel line

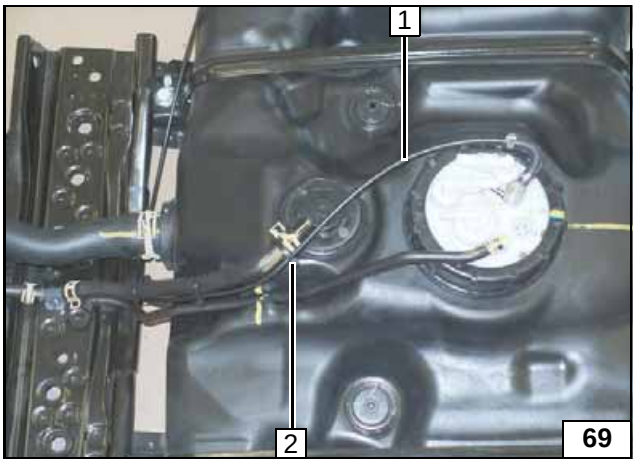


Work step F7.

Installing FuelFix

Work step F8.

Ensuring firm seating of FuelFix



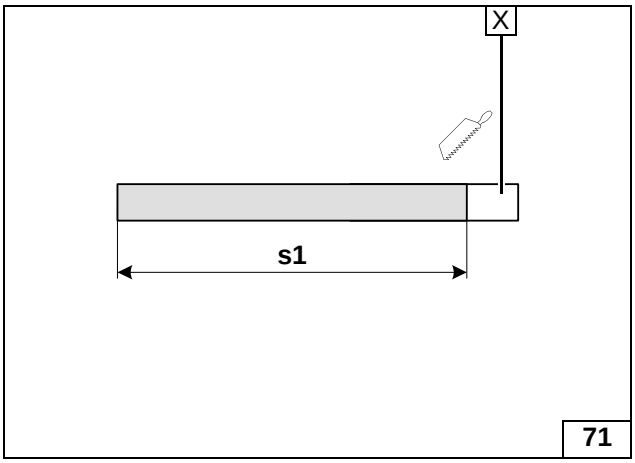
1 Fuel line of FuelFix
2 Cable tie as tension relief

Securing fuel line

Install tank according to manufacturer's instructions.

1 Corrugated tube
2 10mm dia. clamp
3 Fuel line of FuelFix

Connecting metering pump

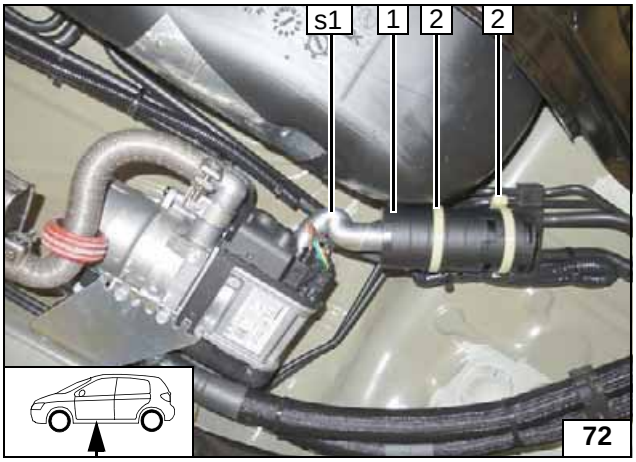


Combustion Air

s1 = 160

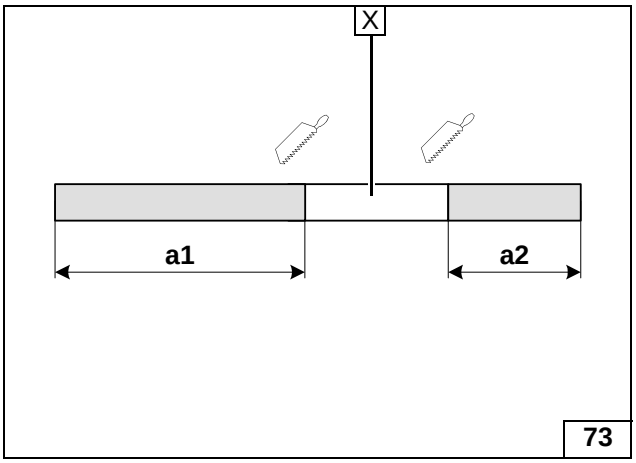
X =

Cutting combustion air pipe to length



1 Silencer
2 Cable tie [2x]

Installing silencer

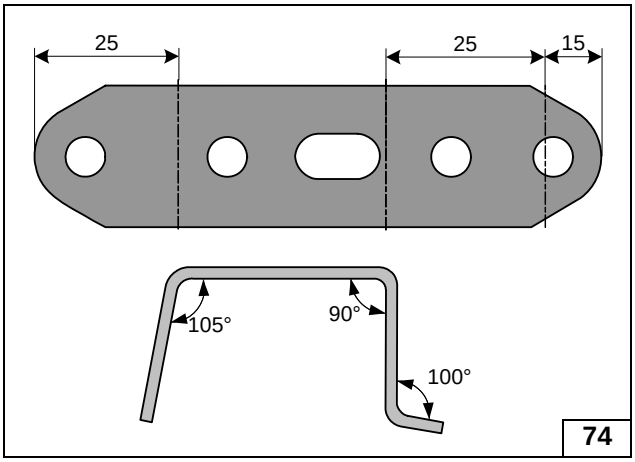


Exhaust Gas

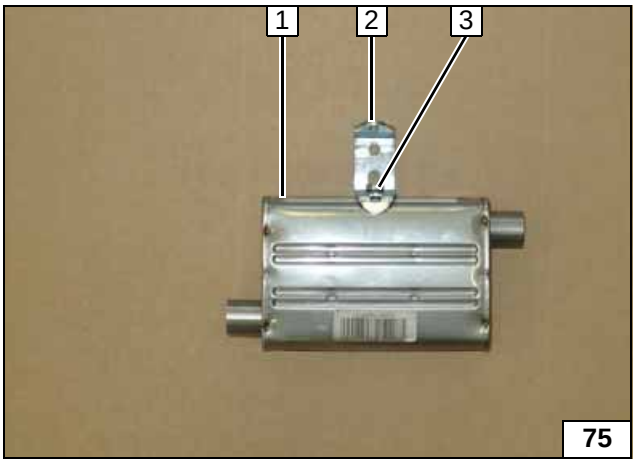
a1 = 255
a2 = 120

X =

Preparing exhaust pipe

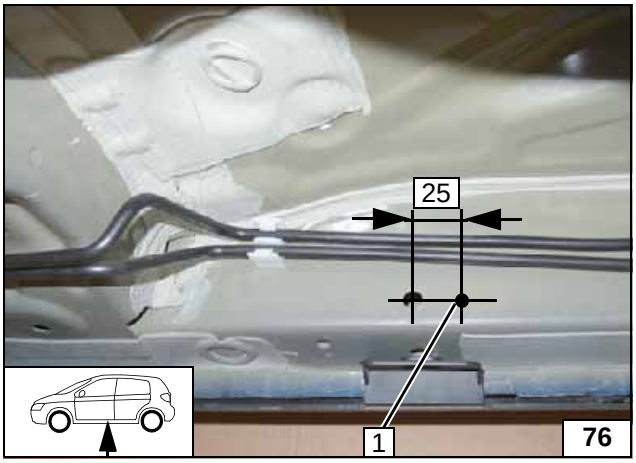


Preparing perforated bracket



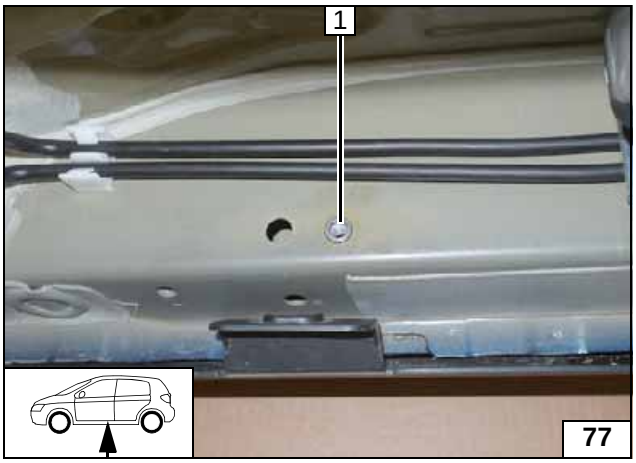
1 Silencer
2 Perforated bracket
3 M6x16 bolt, spring lockwasher

Premounting silencer



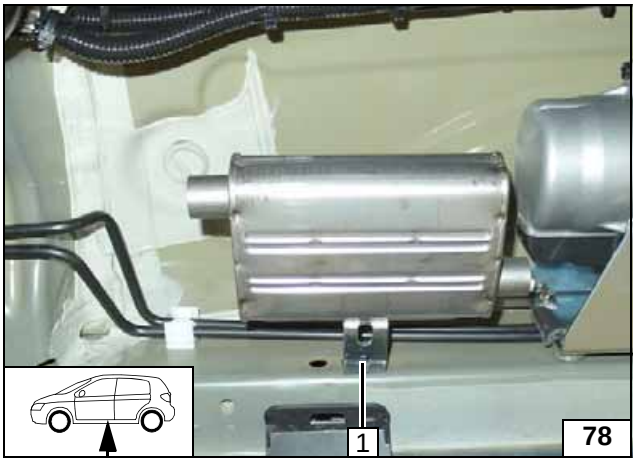
1 Hole pattern

Copying hole pattern



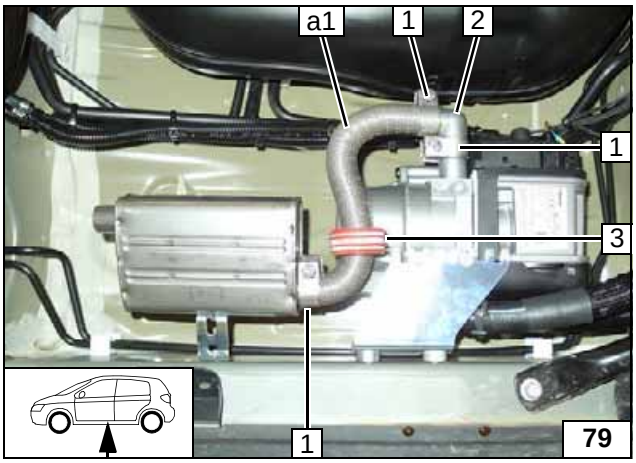
1 9mm dia. hole, rivet nut

Installing rivet nut



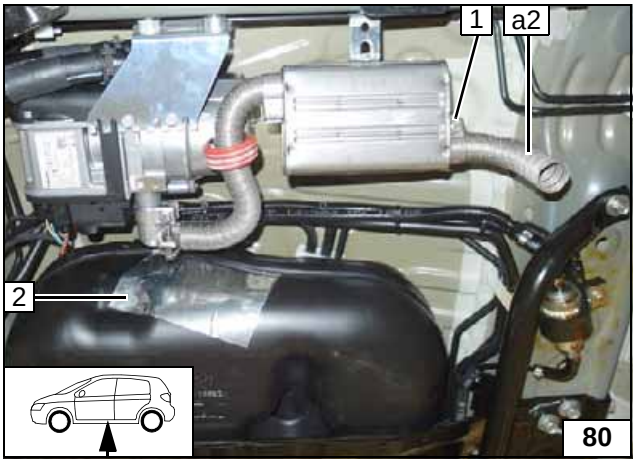
1 M6x20 bolt, spring lockwasher

Installing silencer



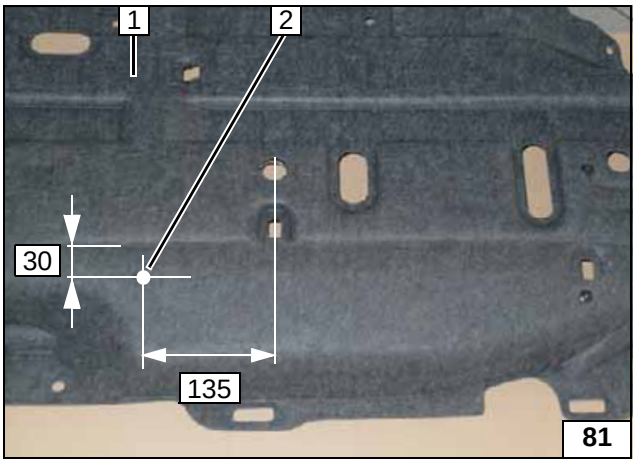
1 Hose clamp [3x]
2 Exhaust elbow
3 Spacer bracket

Installing exhaust pipe a1



1 Hose clamp
2 Self-adhesive heat protection film

Installing exhaust pipe a2

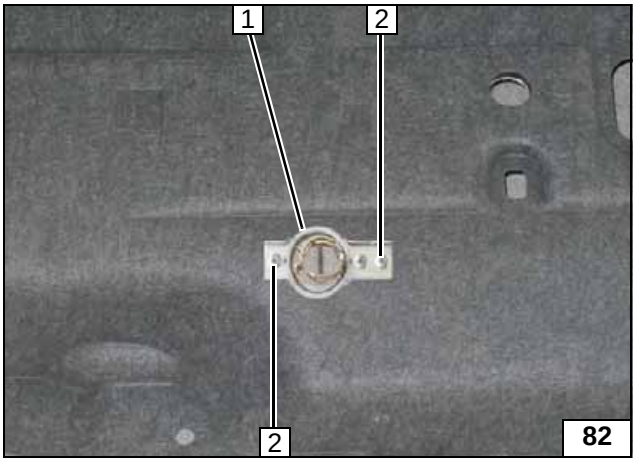


Exhaust End Fastener Installation

Work step E1.

1 Underride protection
2 Hole

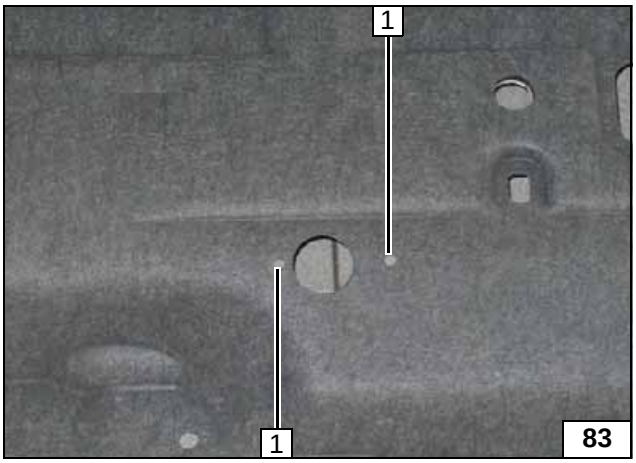
Hole in underride protection



Work step E3.

1 Exhaust end fastener
2 Hole pattern [2x]

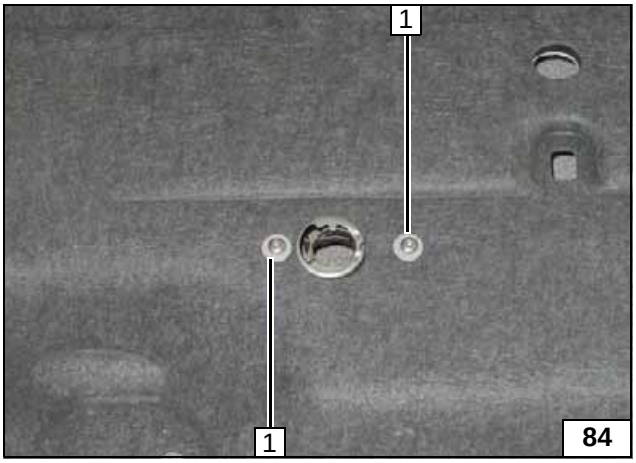
Copying hole pattern



Work step E4.

1 Hole [2x]

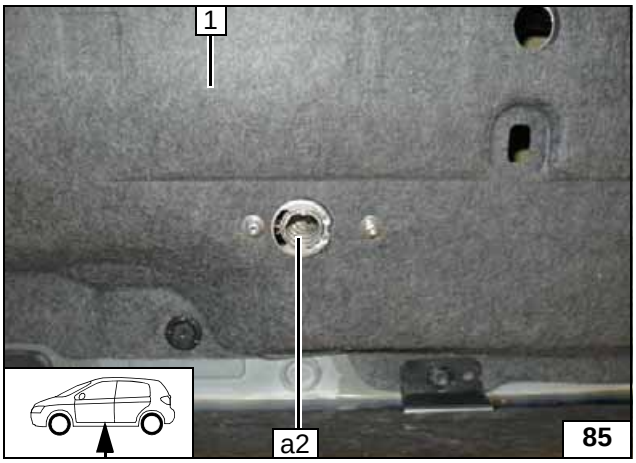
Holes in underride protection



Work step E5.

1 5x13 self-tapping screw, large diameter washer [2x each]

Installing exhaust end fastener



Install underride protection **1**.

Work steps E6 - E8.

Installing exhaust pipe a2

Final Work

Reassemble the components in reverse order. Check all hoses, clamps and all electrical connections for firm seating. Insulate and tie back loose lines.
Only use manufacturer-approved coolant. Spray the heater components with anti-corrosion wax (Tectyl 100K).

- **Connect the battery.**
- **Fill and bleed the coolant circuit according to the vehicle manufacturer's instructions.**
- **Program MultiControl CAR, teach Telestart transmitter.**
- **For initial startup and function check, please see installation instructions.**
- **Make setting on the A/C control panel according to the 'operating instructions'.**
- **Place the 'Switch off parking heater before refuelling' caution label near the filler neck.**

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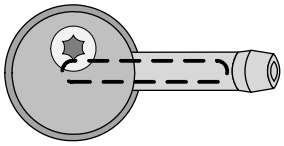
82199 Gilching
Germany
Internet: www.webasto.com
Technical Extranet:
http://dealers.webasto.com

FuelFix Template

Top view



100mm

Scale 1:1

Compare size of printout with dimension lines.
Allowed tolerance a maximum of 2%.

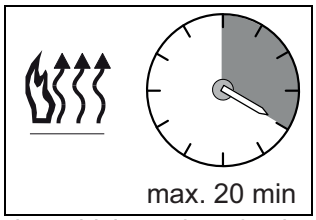
Set the printer settings to ‘no margin’ or ‘minimise margins’ and 100% of the normal size.

100mm

0

Operating Instructions

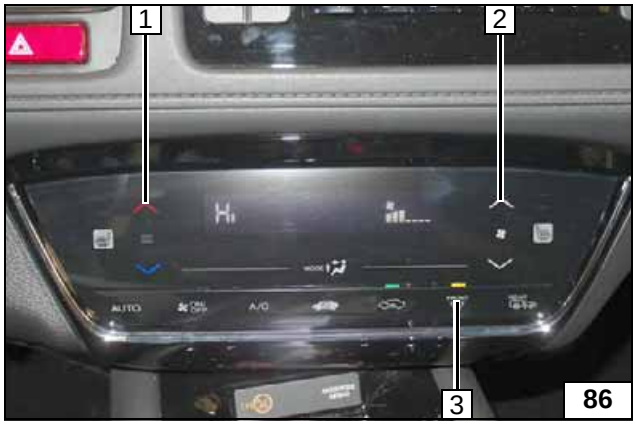
Please remove page and add to the vehicle operating instructions.



Warning:
The maximum allowed heating time is 20 minutes!

Passenger compartment monitoring, if installed, must be deactivated in addition to the vehicle settings for the heating operation.
For instructions on deactivation, please refer to the operating instructions of the vehicle.

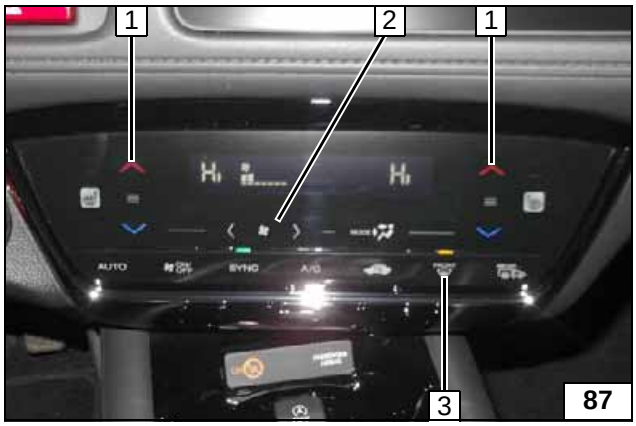
Before parking the vehicle, make the following settings:



Single-zone automatic air-conditioning

1 Set temperature to ‘HI’
2 Set fan to level ‘2’, or max. ‘3’
3 Air outlet to windscreen

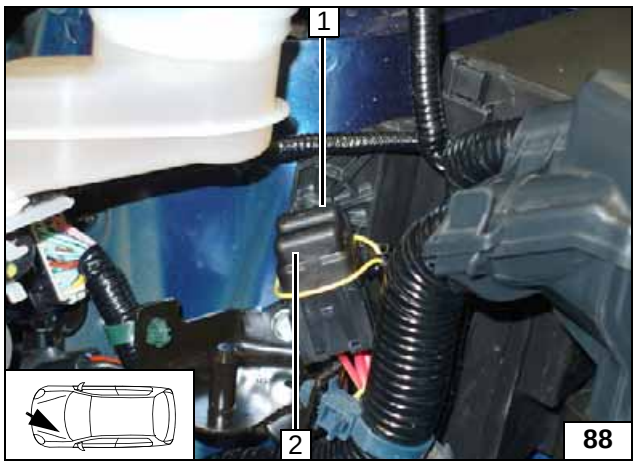
A/C control panel



Two-zone automatic air-conditioning

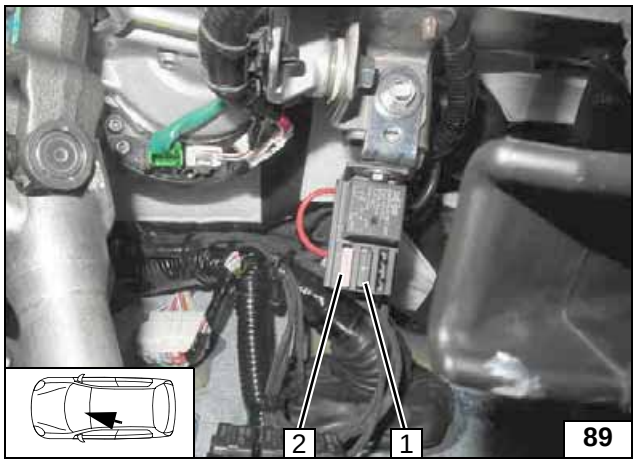
1 Set temperature to ‘HI’ [2x]
2 Set fan to level ‘2’, or max. ‘3’
3 Air outlet to windscreen

A/C control panel



1 30A passenger compartment main fuse F2
2 20A heater fuse F1

Engine compartment fuses



1 1A heater control fuse F3
2 3A fan fuse F4

Passenger compartment fuses