

Air Heater

Air Top 2000 ST Air Heater



Installation Documentation

Fiat Ducato / Peugeot Boxer / Citroen Jumper

Validity

Fiat

Manufacturer	Model	Type	EG-BE No./ABE
Fiat	Ducato	Multijet	e3 * 2007 / 46 * 0044 * ...
Fiat	Ducato	250	e3 * 2001 / 116 * 0232 * ...
Fiat	Ducato	250	L778
Fiat	Ducato	250 L	L779

Motorisation	Fuel	Transmission type	Output in kW	Displacement in cm ³	Engine code
2.0 D	Diesel	Manual transmission	85	1956	4HV
2.3 D	Diesel	Manual transmission	96	2287	F1AE3481D
2.3 D	Diesel	Manual transmission	109	2287	F1AE3481E

Peugeot

Manufacturer	Model	Type	EG-BE No./ABE
Peugeot	Boxer	100 / 130	e3 * 2007 / 46 * 0045 * ...
Peugeot	Boxer	X2/50	L772
Peugeot	Boxer	X2/50	L773

Motorisation	Fuel	Transmission type	Output in kW	Displacement in cm ³	Engine code
2.2 HDI	Diesel	Manual transmission	74	2198	4HY
2.2 HDI	Diesel	Manual transmission	96	2198	4HH

Citroen

Manufacturer	Model	Type	EG-BE No./ABE
Citroen	Jumper	110 / 130 / 150	e3 * 2007 / 46 * 0046 * ...
Citroen	Jumper	X2/50	L773

Motorisation	Fuel	Transmission type	Output in kW	Displacement in cm ³	Engine code
2.2 HDI	Diesel	Manual transmission	81	2198	4H03/4HG
2.2 HDI	Diesel	Manual transmission	96	2198	4H03/4HH
2.2 HDI	Diesel	Manual transmission	110	2198	4H03/4HJ

from Model Year 2009
Left-hand drive vehicle

Total installation time: approx. 6 hours

Fiat Ducato / Peugeot Boxer / Citroen Jumper

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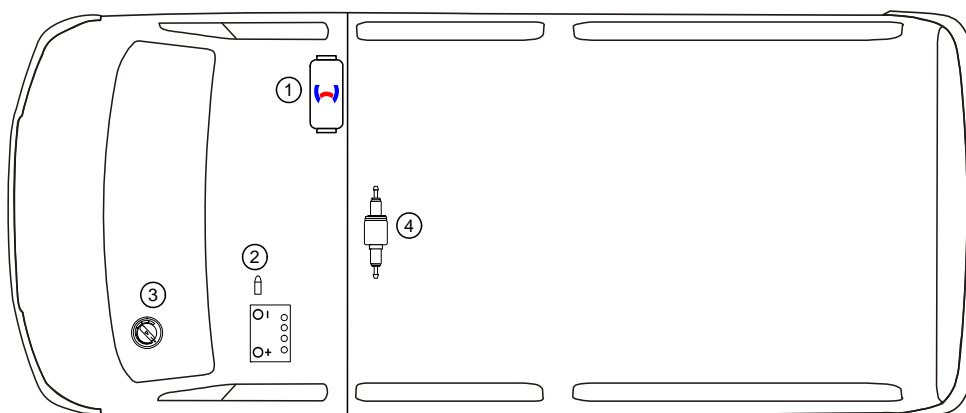
Necessary Components

- Basic delivery scope *Airtop 2000 ST* based on price list
- Installation kit for Fiat Ducato / Peugeot Boxer / Citroen Jumper Diesel: **1315904A**
- Installation kit for Air Top 2000 Standard: **9022050B**
- additionally required heater control, optionally:
 - Rotary selector (setpoint generator): **82819B**
 - 12V combination timer including adapter cable: **9010385A**
 - Mounting plate for combination timer (frame): **474630**
 - Telestart (only in conjunction with combination timer): **see price list**
 - Y-adapter cable of combination timer- Telestart: **1311194A**
 - Bag of external temperature sensor (in case of cargo space temperature regulation): **93205A**
- In case of Telestart, indicator lamp in accordance with price list and in consultation with end customer

Installation Overview

Legend:

1. Heater
2. Fuse holder of passenger compartment
3. Heater control
4. Metering pump



Information on Total Installation Time

The total installation time includes the time needed for mounting and demounting of the vehicle-specific components, the heater specific installation time and all other times required for the system integration and initial start-up of the heater.

The total installation time may vary for vehicle equipment other than provided.

Information on Operating and Installation Instructions

1 Important 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 227).

The heater may not be cleaned with a high-pressure cleaner.

1.3 Please note

ALWAYS follow all Webasto installation and operating instructions and observe all warnings.

To become familiar with and understand all functions and properties of the heater, the operating instructions must be read carefully and observed at all times.

For proper, safe installation and repair work, the installation instructions with all warnings and safety information must be carefully read and observed at all times. Please always contact a workshop authorised by Webasto for all installation and repair work.

IMPORTANT

Webasto shall assume no liability for defects, damage and injuries resulting from a failure to observe the installation, repair and operating instructions of the information contained in them.

This liability exclusion particularly applies to improper installations and repairs, installations and repairs by untrained persons or in the case of a failure to use genuine spare parts.

The liability due to culpable disregard to life, limb or health and due to damage or injuries caused by a wilful or reckless breach of duty remain unaffected, as does the obligatory product liability.

Installation should be carried out according to the general, standard rules of technology. Unless specified otherwise, fasten hoses, lines and wiring harnesses to original vehicle lines and wiring harnesses using cable ties. Insulate loose wire ends and tie back.

Sharp edges should be fitted with rub protection (split-open fuel hose)! Spray unfinished body areas, e.g. drilled holes, with anti-corrosion wax (Tectyl 100K, Order No. 111329).

Observe the instructions and guidelines of the respective vehicle manufacturer for demounting and mounting vehicle specific components!

The initial startup is to be executed with the Webasto Thermo Test Diagnosis.

2 Statutory regulations governing installation

Guidelines	AT 2000 ST
Heating Directive ECE R122	E1 00 0216
Heating Directive 2001/56/EG	E1 00 0022
EMC Directive ECE R10	E1 03 1085

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. For vehicles with an EU permit, no entry in accordance with § 19 Sub-Section 4 of Annex VIII b to the Road Traffic Act is required.

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**.

2.1 Excerpt from the directives 2001/56/EC Appendix VII and ECE R122 part I and Annex 7

Beginning of excerpt.

ANNEX VII

REQUIREMENTS FOR COMBUSTION HEATERS AND THEIR INSTALLATION

1. GENERAL REQUIREMENTS

1.7.1./ 7.1. (Annex 7) A clearly visible tell-tale in the operator's field of view shall inform when the combustion heater is switched on or off.

2. / 5.3. VEHICLE INSTALLATION REQUIREMENTS

2.1. / 5.3.1. (Part I) Scope

2.1.1. / 5.3.1.1 (Part I) Subject to paragraph 2.1.2. combustion heaters shall be installed according to the requirements of this Annex.

2.1.2. / 5.3.1.2 (Part I) Vehicles of category O having liquid fuel heaters are deemed to comply with the requirements of this Annex.

2.2. / 5.3.2. (Part I) Positioning of heater

2.2.1. / 5.3.2.1. (Part I) 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. / 5.3.2.2. (Part I) 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. / 5.3.2.3. (Part I) 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 / Subsection 5.3.2.2. (Part I) may be used.

2.2.4. / 5.3.2.4. (Part I) The label referred to in paragraph 1.4 / Annex 7 Subsection 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. / 5.3.2.5. (Part I) Every reasonable precaution should be taken in positioning the heater to minimise the risk of injury and damage to personal property.

2.3. / 5.3.3. (Part I) Fuel supply

2.3.1. / 5.3.3.1. (Part I) 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. / 5.3.3.2. (Part I) 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. / 5.3.3.3. (Part I) 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. / 5.3.4. (Part I) Exhaust system

2.4.1. / 5.3.4.1. (Part I) 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. / 5.3.5. (Part I) Combustion air inlet

2.5.1. / 5.3.4.1. (Part I) The air for the combustion chamber of the heater must not be drawn from the passenger compartment of the vehicle.

2.5.2. / 5.3.5.2. (Part I) The air inlet must be so positioned or guarded that blocking by rubbish or luggage is unlikely.

2.6. / 5.3.6. (Part I) Heating air inlet

2.6.1. / 5.3.6.1. (Part I) 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. / 5.3.6.2. (Part I) The inlet duct must be protected by mesh or other suitable means.

2.7. / 5.3.7. (Part I) Heating air outlet

2.7.1. / 5.3.7.1. (Part I) 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. / 5.3.7.2. (Part I) 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.

Fiat Ducato / Peugeot Boxer / Citroen Jumper

Information on Validity

This installation documentation applies to Fiat Ducato / Peugeot Boxer / Citroen Jumper Diesel vehicles - for validity, see page 1 - from model year 2009 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

- Torque wrench for 2.0 - 10 Nm
- Webasto flattening tool, Ident No.: 82229A
- Hole circle bit 60mm dia., 55mm dia.
- Automatic wire stripper 0.2 - 6mm²
- Crimping pliers for cable lug / tab connector 0.5 - 6mm²
- Metric thread-setter kit
- Webasto Thermo Test Diagnosis with current software

Dimensions

- All dimensions in mm

Tightening torque values

- Tighten 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.

Special features are highlighted using the following symbols:

Mechanical system



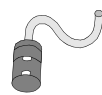
Electrical system



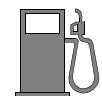
Hot air



Combustion air



Fuel



Exhaust gas



Software



Specific risk of injury or fatal accidents



Specific risk of damage to components



Specific risk of fire and explosion



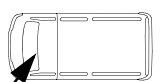
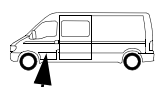
Reference to general installation instructions of the Webasto components or to the manufacturer's vehicle-specific documents.



Reference to a special technical feature



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



Fiat Ducato / Peugeot Boxer / Citroen Jumper

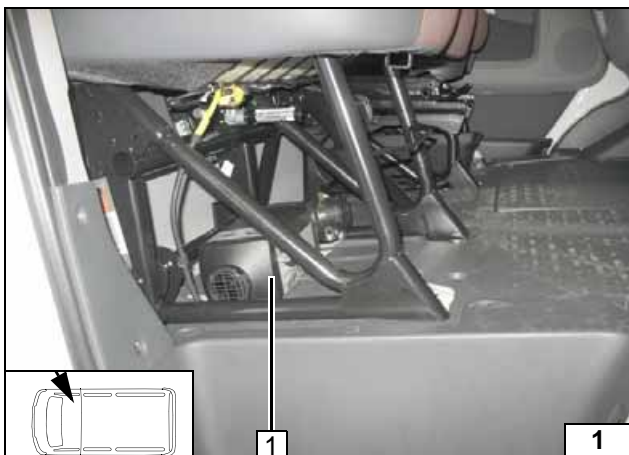
Preliminary Work

Vehicle

- Open the fuel tank cap and vent the fuel tank.
- Close the fuel tank cap again.
- Disconnect the battery "earth" or "ground" connection.
- Depressurise the cooling system.
- Copy the factory number from the original type label to the duplicate type label.
- Remove years that do not apply from the duplicate label.
- Attach the duplicate label (type label) in the appropriate place.
- Remove the driver and front passenger seats.
- Remove the left and right side trim of the front passenger seat (if existing).
- Remove the radio and A/C control panel in accordance with manufacturer's instructions.
- Remove the instrument panel trim on the driver's side (only with Telestart).

Heater

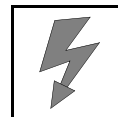
- Remove years that do not apply from the type and duplicate label.
- Attach the duplicate label (type label) in the appropriate place in the engine compartment.



Heater Installation Location

1 Heater

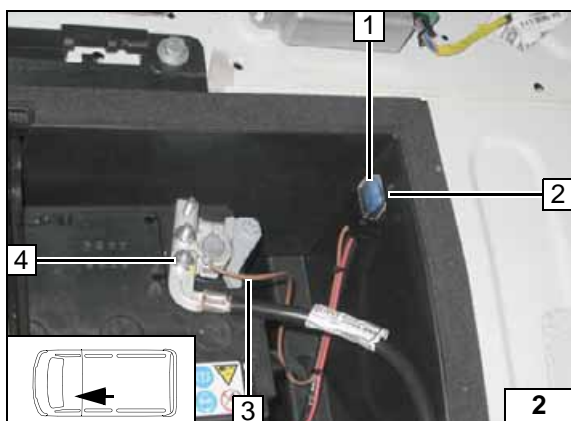
Installation
location



Electrical System

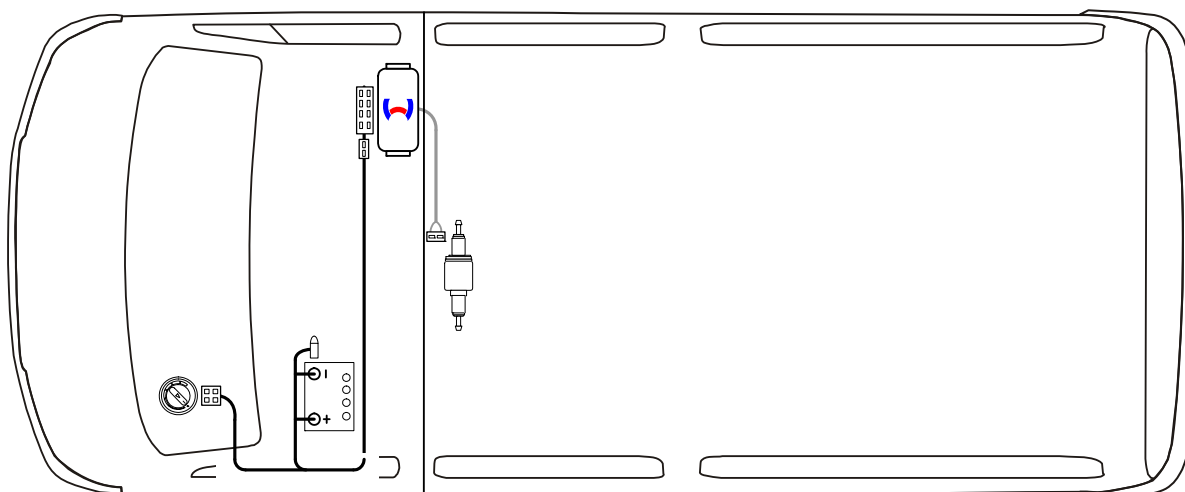
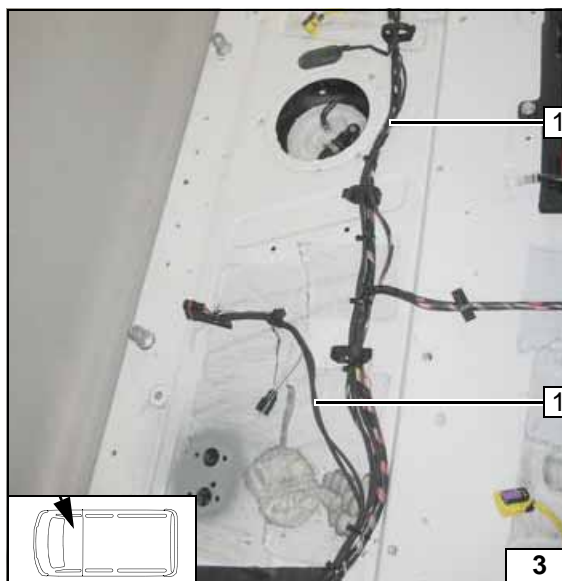
Fuse holder, earth wire

- 1 Fuse holder
- 2 4 mm dia. hole; 5.5x9x5 self-tapping screw; retaining plate of fuse holder
- 3 Earth wire
- 4 Negative terminal of battery

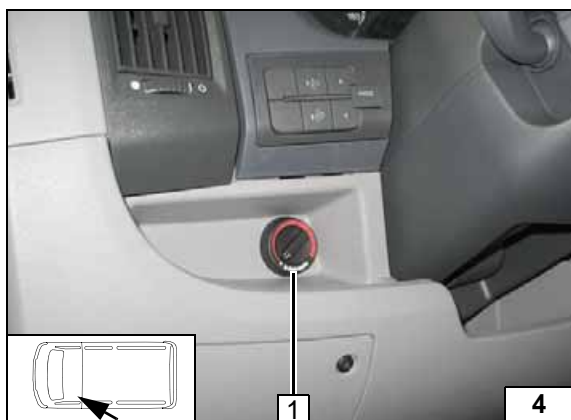


Wiring harness routing

- 1 Wiring harness of heater

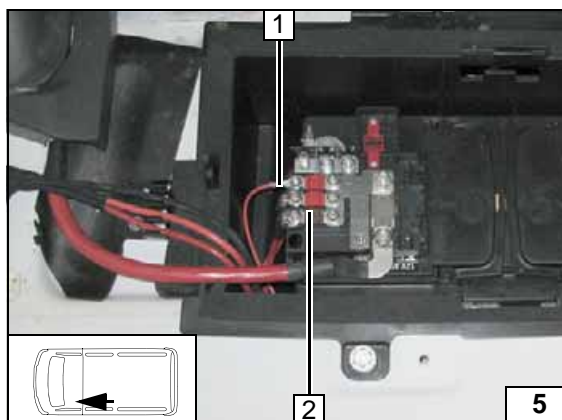


Wiring harness routing diagram



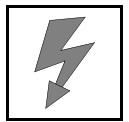
Heater control

- 1 12mm dia. hole; thermostat



Positive wire

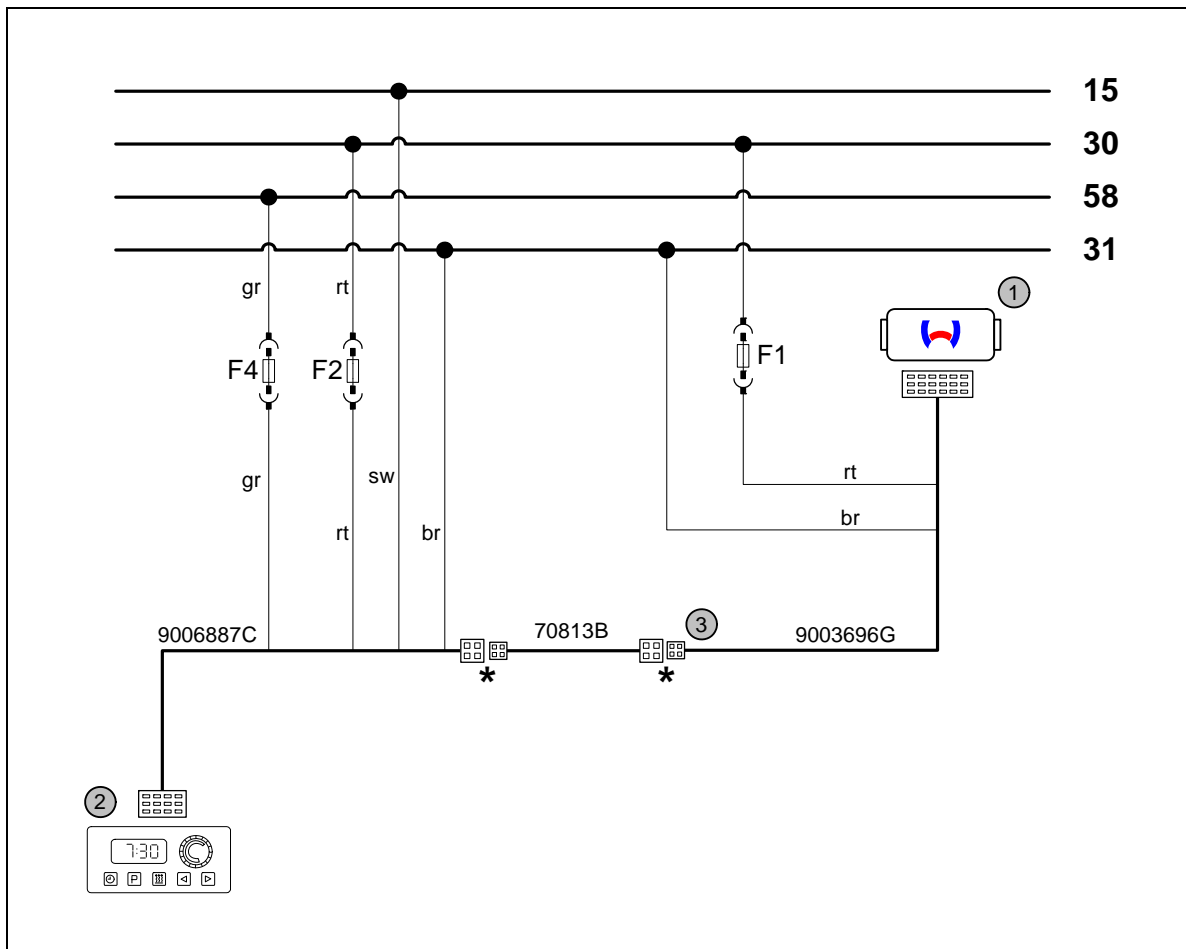
- 1 Positive wire
- 2 Positive distributor of battery



Combination Timer Connection Diagram

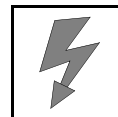


Diagram



Components		Colours and symbols	
1	HG AT 2000ST	rt	red
2	Combination timer	sw	black
3	Connector of heater control	gr	grey
F1	15A fuse	br	brown
F2	5A fuse (not included in 9006887C)	hbl	light blue
F4	5A fuse (not included in 9006887C)	bl	blue
		ge	yellow
		ws	white
		vi	violet
		*	Alternatingly connect white (ws) to violet (vi), blue (bl) to black (sw), red (rt) to brown (br) and black (sw) to red (rt).
		Wiring colours may vary.	

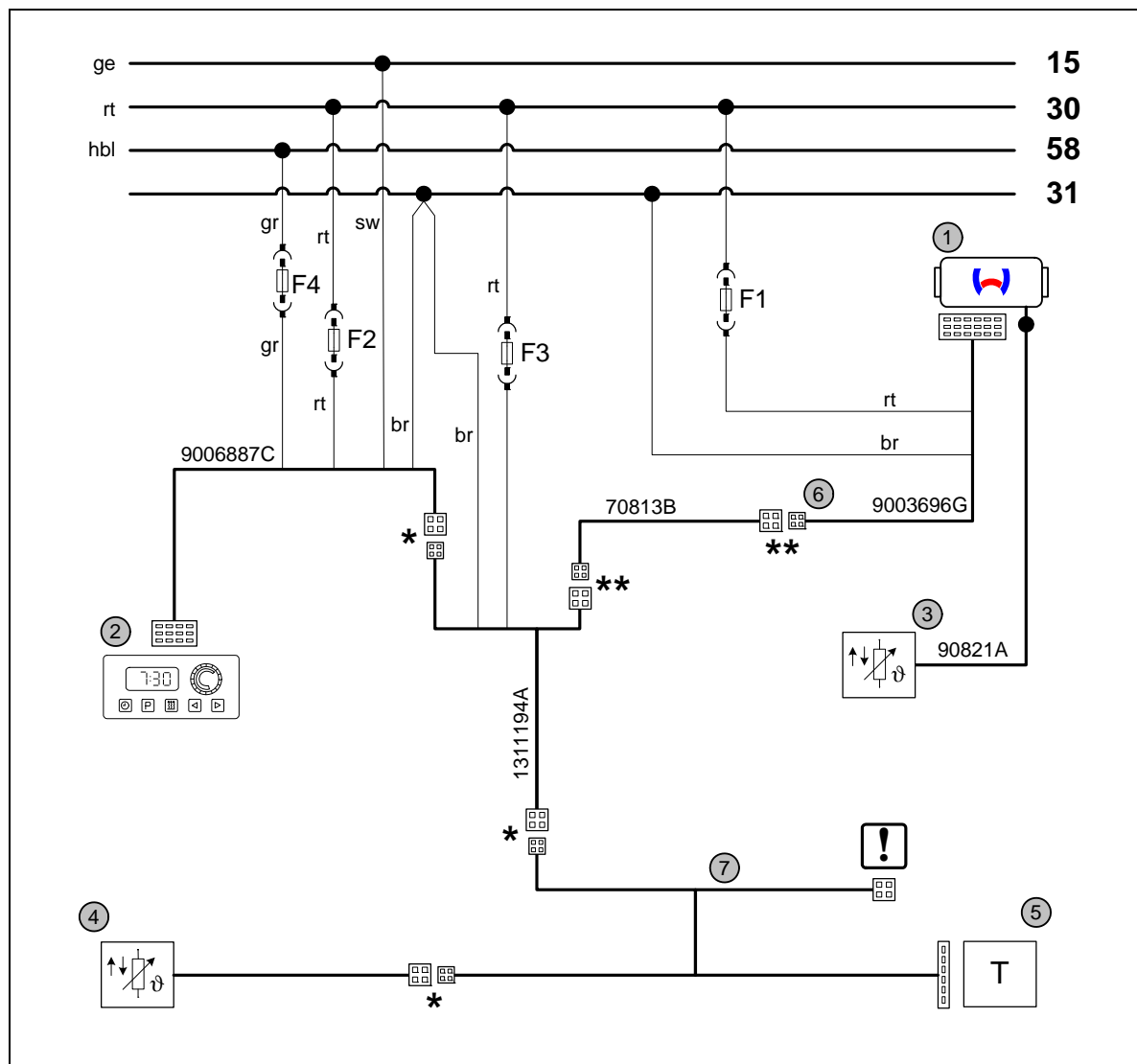
Legend



Connection Diagram of Combination Timer and Telestart

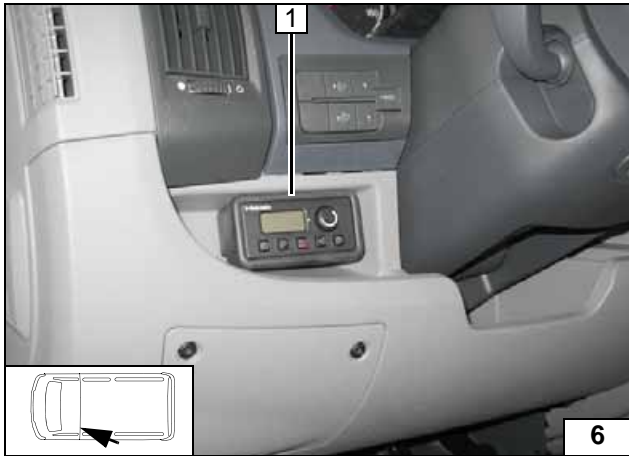


Diagram



Components		Colours and symbols	
1	AT 2000 ST Heater	rt	red
2	Combination timer	sw	black
3	Temperature sensor of heater (HG)	gr	grey
4	Temperature sensor of Telestart (only for T100 HTM)	br	brown
5	Receiver of Telestart	hbl	light blue
		ge	yellow
6	Connector of heater control		
7	Wiring harness of Telestart		
F1	15A fuse	X	Connectors [2x] remain free
F2	5A fuse (not included in 9006887C)	*	Connect the connectors using the same colours.
F3	Max. 5A fuse (not included in 1311194A)	**	Alternatingly connect white (ws) to violet (vi), blue (bl) to black (sw), red (rt) to brown (br) and black (sw) to red (rt).
		!	Insulate wire end and tie back.
Wiring colours may vary.			

Legend



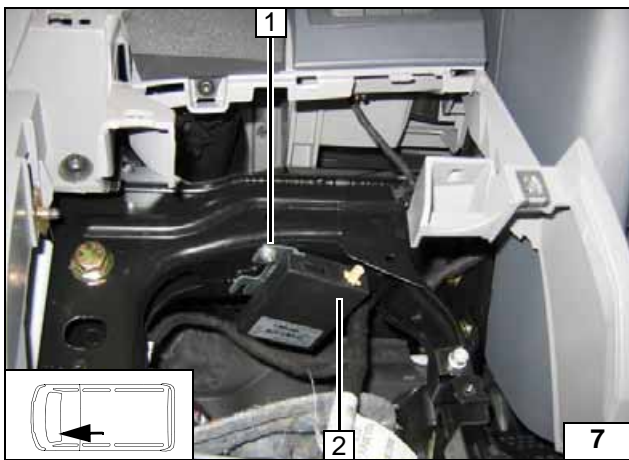
Remote Option of Combination Timer

Use installation frame as template.

- 1 Combination timer



Installing combination timer

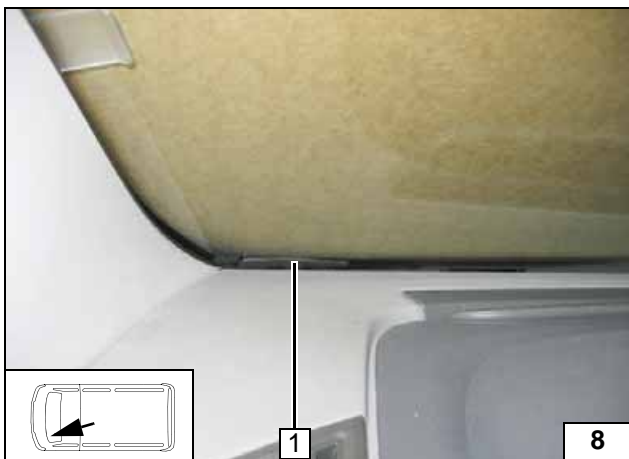


Remote Option (Telestart)

- 1 M5x15 bolt, large diameter washer, original vehicle hole, bracket, flanged nut
- 2 Telestart receiver



Installing Telestart

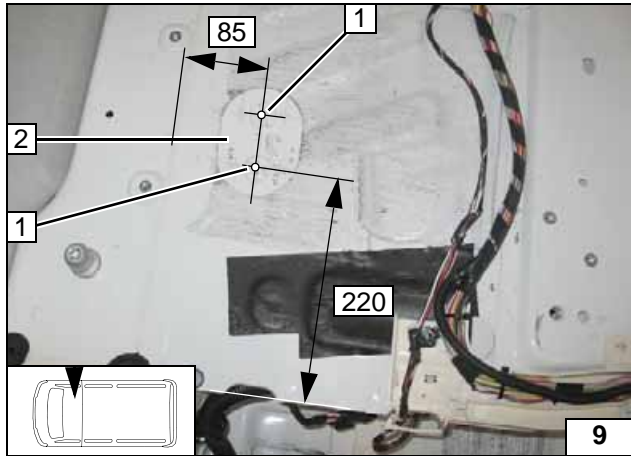


Antenna

- 1 Antenna



Installing antenna

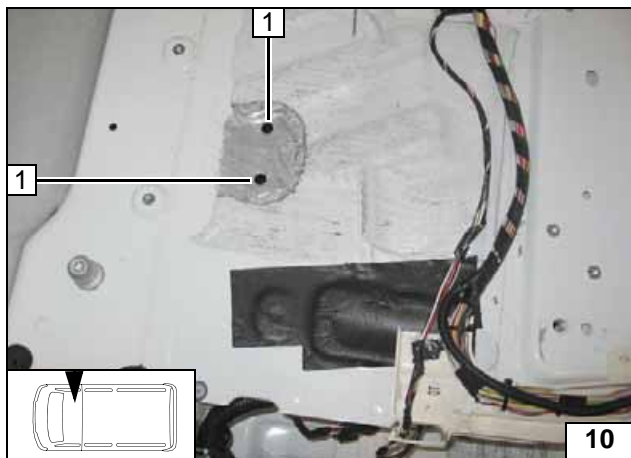


Preparing Installation Location

Remove protective layer. Cut out, mount and align template **2**. Copy contour of template **2** and hole pattern to Position **1** [2x].



Copying hole pattern

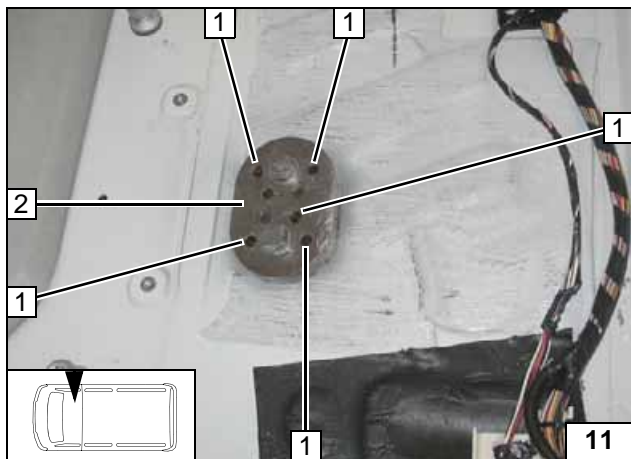


Remove template.

- 1 12 mm dia. hole [2x]



Holes in underbody

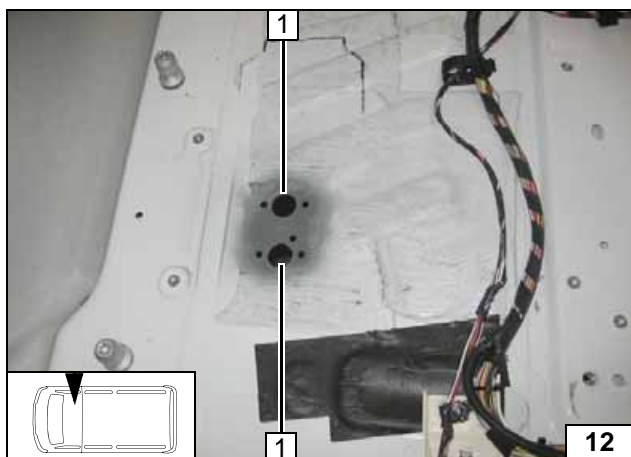


Install flattening tool **2** and flatten underbody (use flattening tool of Webasto).

- 1 7 mm dia. hole [5x]



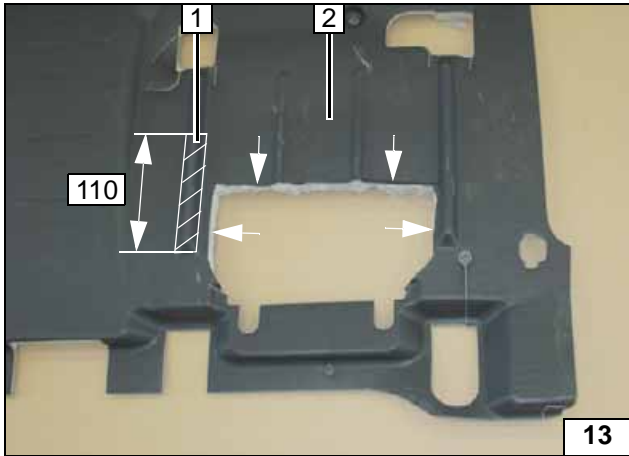
Flattening underbody



Dismantle flattening tool. Expand the holes at Position **1** [2x] to 26mm dia. Provide all holes with corrosion protection.

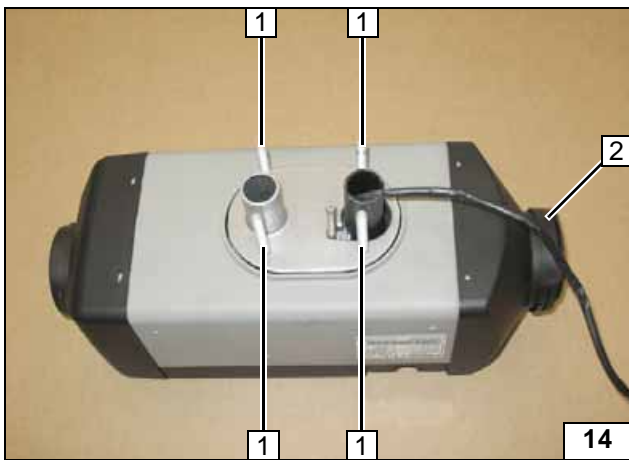


Holes in underbody



Cut out floor trim on front passenger side **2** at the markings. Cut out elevation at Position **1**. Reinstall floor trim and double seat bench.

Cutting out floor covering

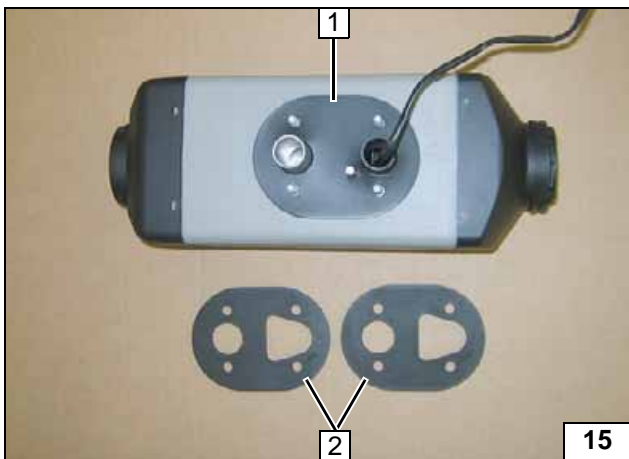


Preparing Heater

Replace bolt at Position **1** [4x] with M6 stud bolt.

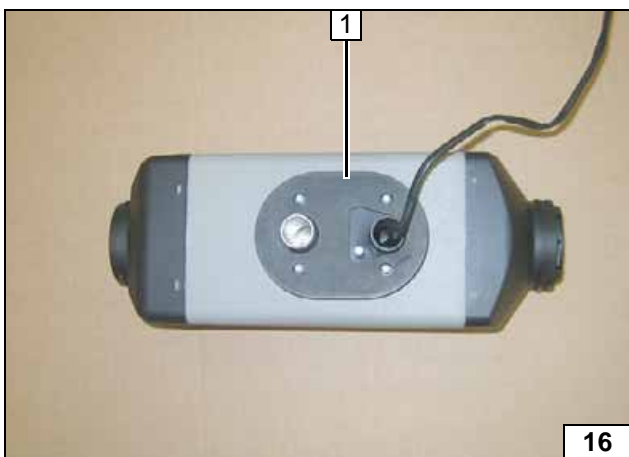
2 Mount cover grille

Premounting heater



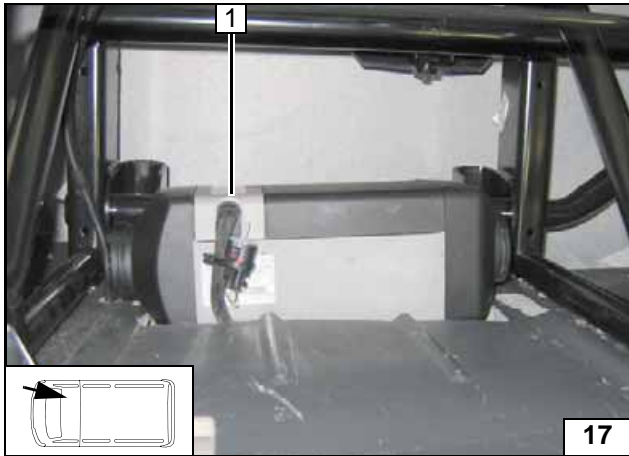
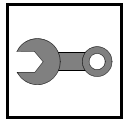
1 Rubber gasket
2 Spacer plate [2x]

Premounting heater



1 Install spacer plate [2x]

Mounting spacer plates

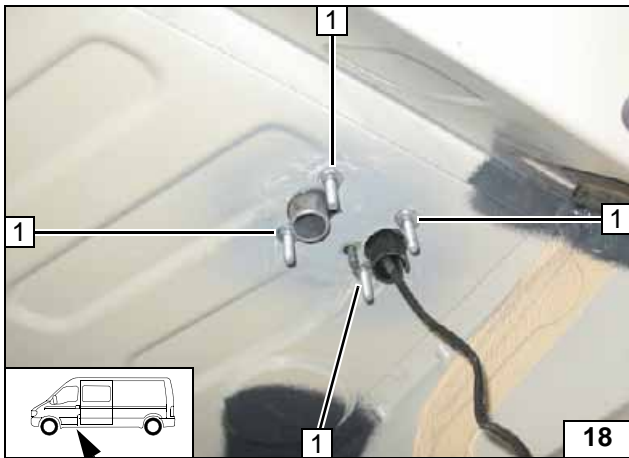


Installing Heater

Insert heater. Mount wiring harness 1 on heater, shut the cover again. Secure connector with cable tie.

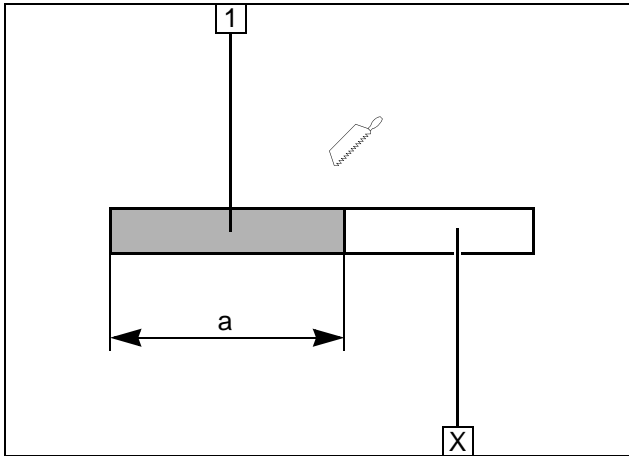
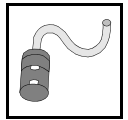


Installing heater



1 Spring lock washer, nut [4x each]

Installing heater

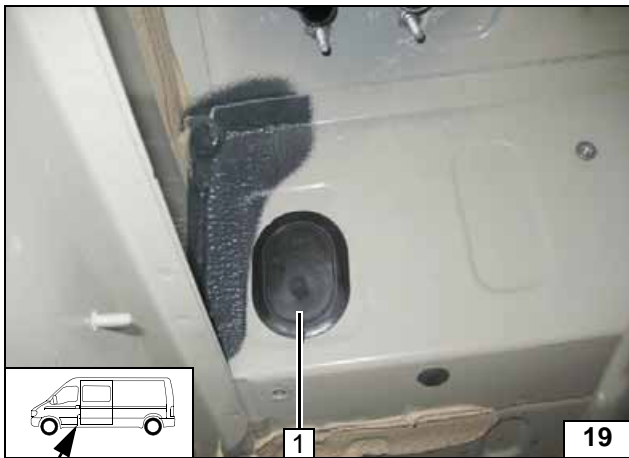


Combustion Air

Discard section X.

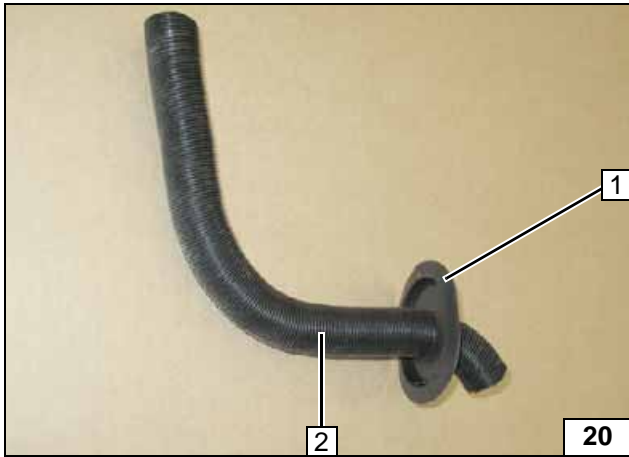
- 1 Combustion air pipe
a = 320

Cutting combustion air pipe to length



- 1 Protective rubber grommet

Removing rubber grommet

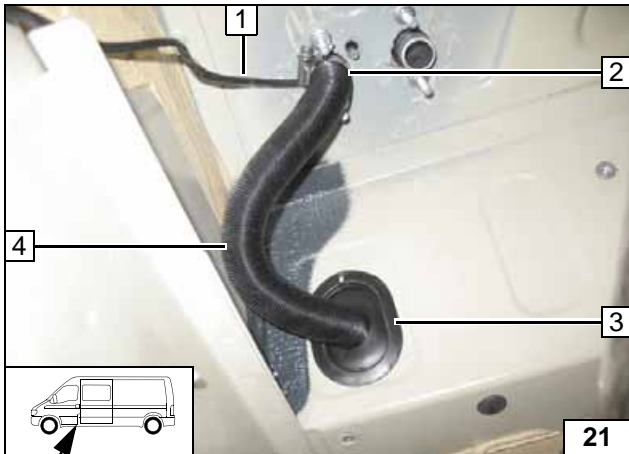


Punch 26mm dia. hole at centre of protective rubber grommet 1.

- 2 Insert combustion air pipe



Preparing combustion air pipe

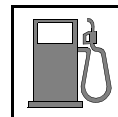


While inserting rubber grommet 3, please ensure that the combustion air inlet opening is not blocked. Guide wiring harness of metering pump 1 through the slit in the combustion air connection piece.

- 2 27 mm dia. clamp
- 4 Combustion air pipe



Installing combustion air pipe



Fuel

CAUTION!

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

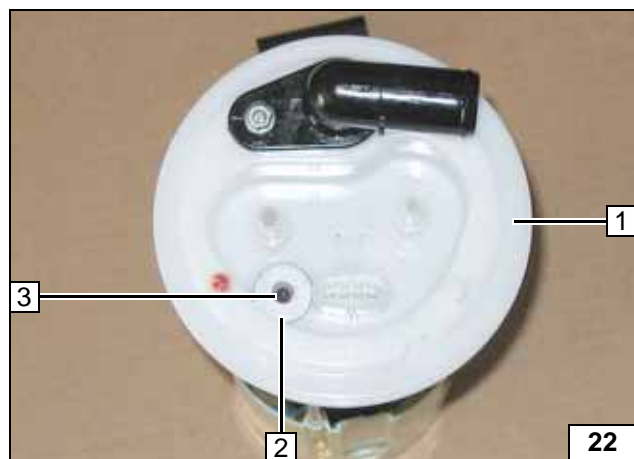
Catch any fuel running off in an appropriate container.

Install fuel line and metering pump wiring harness so that they are protected against stone impact. Unless specified otherwise, always fasten using cable ties.

Mount the fuel line and wiring harness with rub protection on sharp edges.

WARNING!

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



Remove fuel-tank sending unit **1** in accordance with manufacturer's instructions.

- 2** Large diameter washer
- 3** Copy hole pattern, 6 mm dia. hole

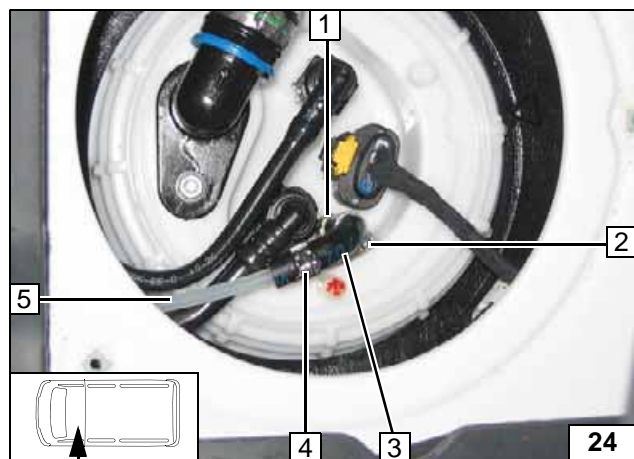
Fuel extraction



Shape fuel standpipe **1** according to template, cut to length and install.



Installing fuel standpipe

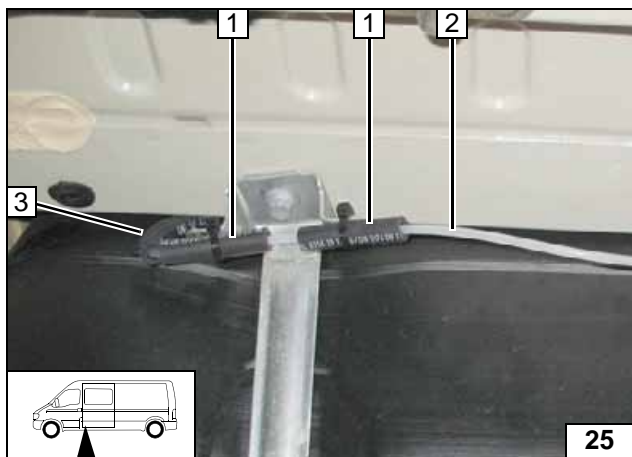
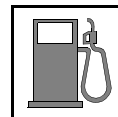


Install fuel-tank sending unit according to manufacturer's instructions.

- 1** Fuel standpipe
- 2** 9 mm dia. Caillau clamp
- 3** 90° moulded hose, 3.5 mm dia. x 4.5 mm
- 4** 10 mm dia. Caillau clamp
- 5** Fuel line



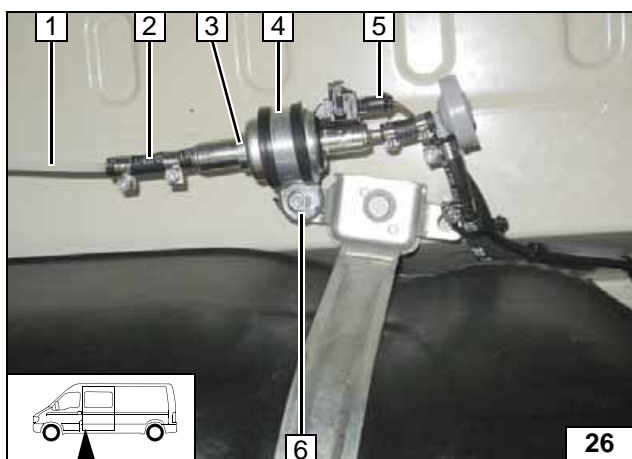
Connecting fuel line



Slide fabric protective hose 3 as rub protection onto fuel line 2. Slide fuel hose 1 [2x] as rub protection onto fuel line 2 and fasten with cable tie to existing holes.

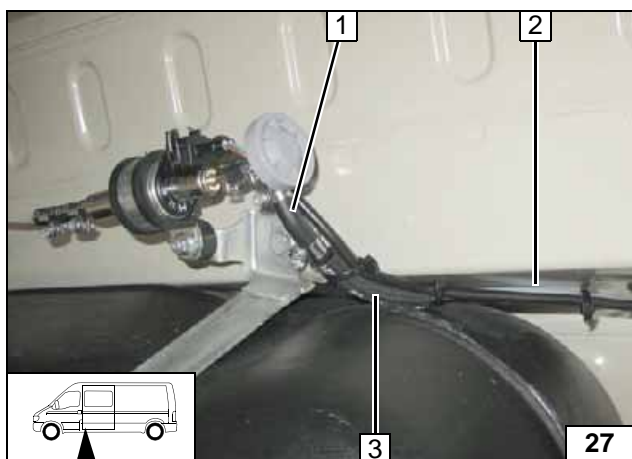


Routing wire



- 1 Fuel line of fuel standpipe
- 2 Hose section, 10 mm dia. clamp [2x]
- 3 Metering pump
- 4 Rubber-coated pipe clamp
- 5 Wiring harness of metering pump, connector mounted
- 6 Silent block, flanged nut [2x], existing hole

Mounting metering pump

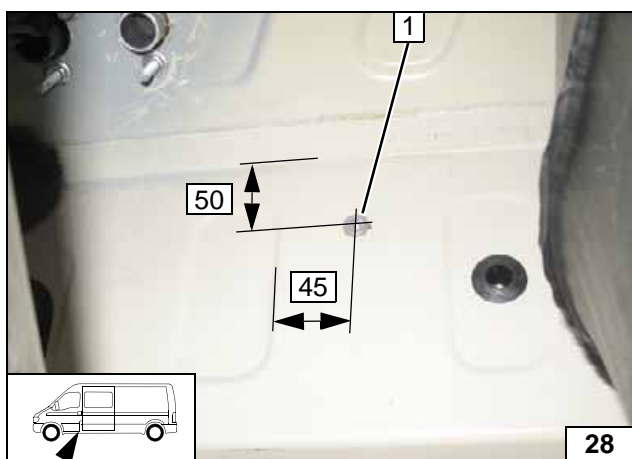


Slide fabric protective hose 3 as rub protection onto fuel line of heater 2.

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

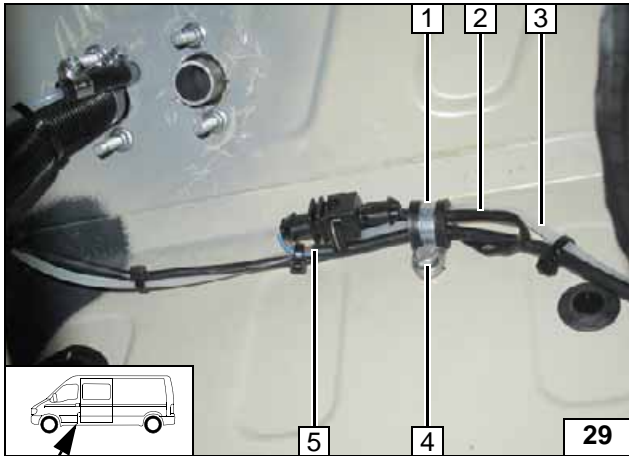
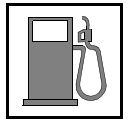


Connecting metering pump



- 1 9.1 mm dia. hole; rivet nut

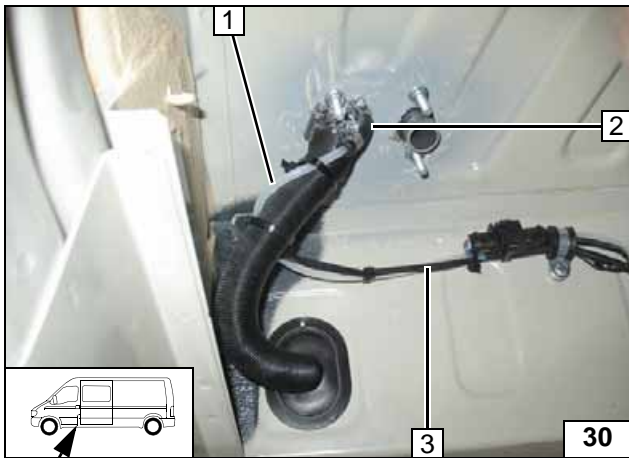
Installing rivet nut



Cut wiring harness of metering pump **5** to length, install connector and connect to wiring harness of heater **2**.

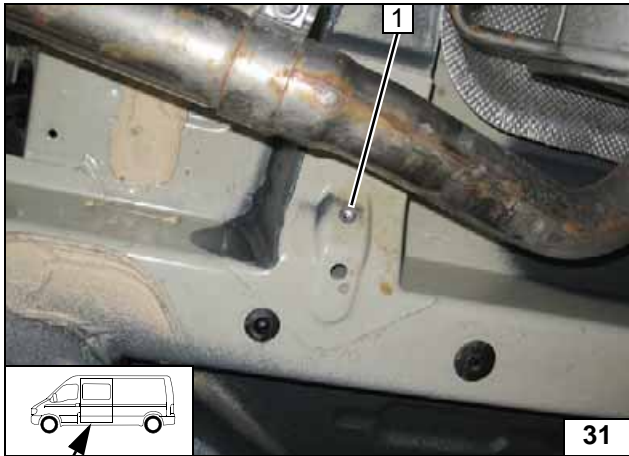
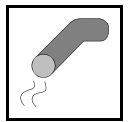
- 1** 15 mm dia. rubber-coated p-clamp
- 3** Fuel line
- 4** M6x20 bolt

Installing lines



- 1** Fuel line
- 2** Hose section, 10 mm dia. clamp [2x]
- 3** Metering pump wiring harness

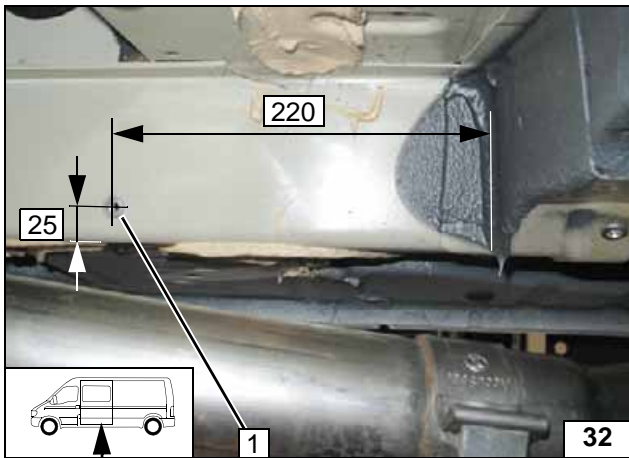
**Connect-
ing heater**



Exhaust Gas

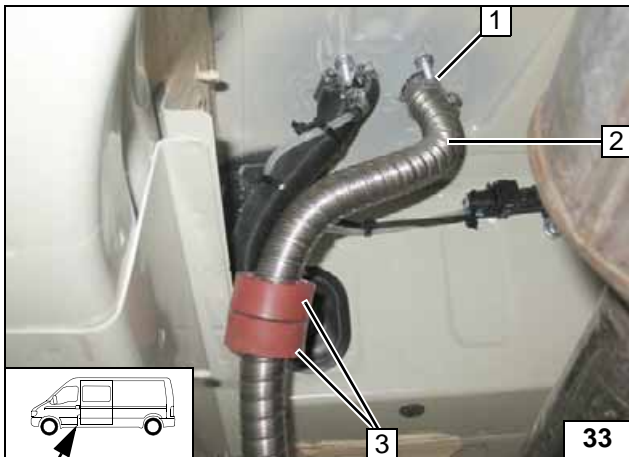
- 1 Drill out existing hole to 9.1 mm dia. and mount rivet nut

Installing rivet nut



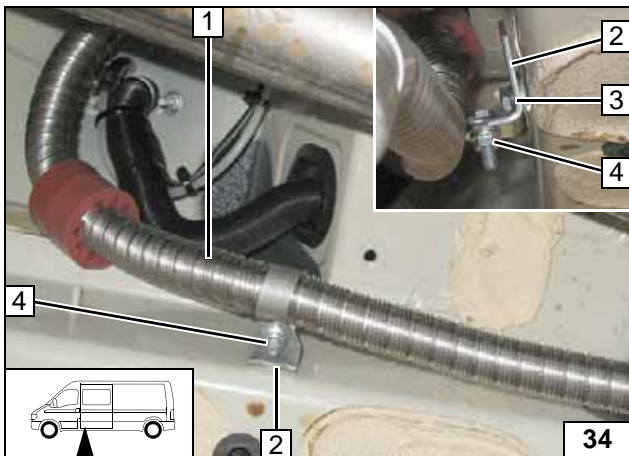
- 1 9.1 mm dia. hole; rivet nut

Installing rivet nut



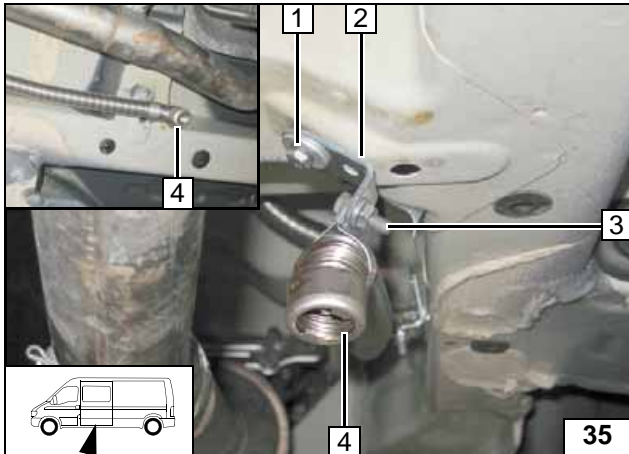
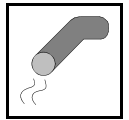
- 1 Hose clamp
- 2 Exhaust pipe
- 3 Slide on black (sw) rubber isolator [2x]

Installing exhaust pipe



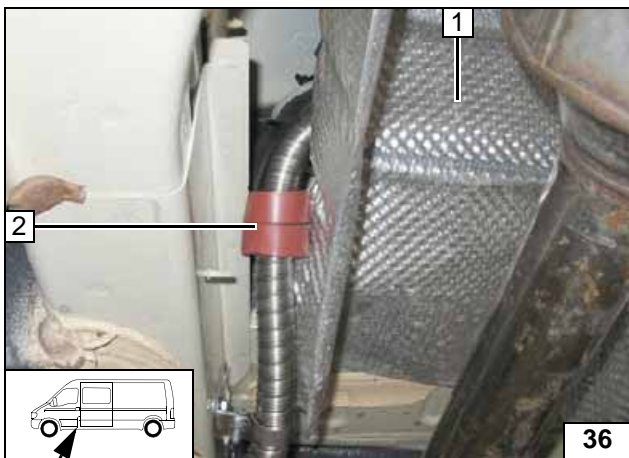
- 1 Exhaust pipe
- 2 Angle bracket
- 3 M6x20 bolt, spring lockwasher
- 4 M6x20 bolt, p-clamp, flanged nut

Installing exhaust pipe



- 1 M6x20 bolt, spring lockwasher, large diameter washer
- 2 Angle bracket
- 3 M6x20 bolt, p-clamp, flanged nut
- 4 Align exhaust pipe

Installing exhaust pipe

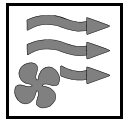


Ensure sufficient distance from adjacent components; correct if necessary.

- 1 Heat shield plate
- 2 Position red (rt) rubber isolator [2x]



Installing heat shield plate



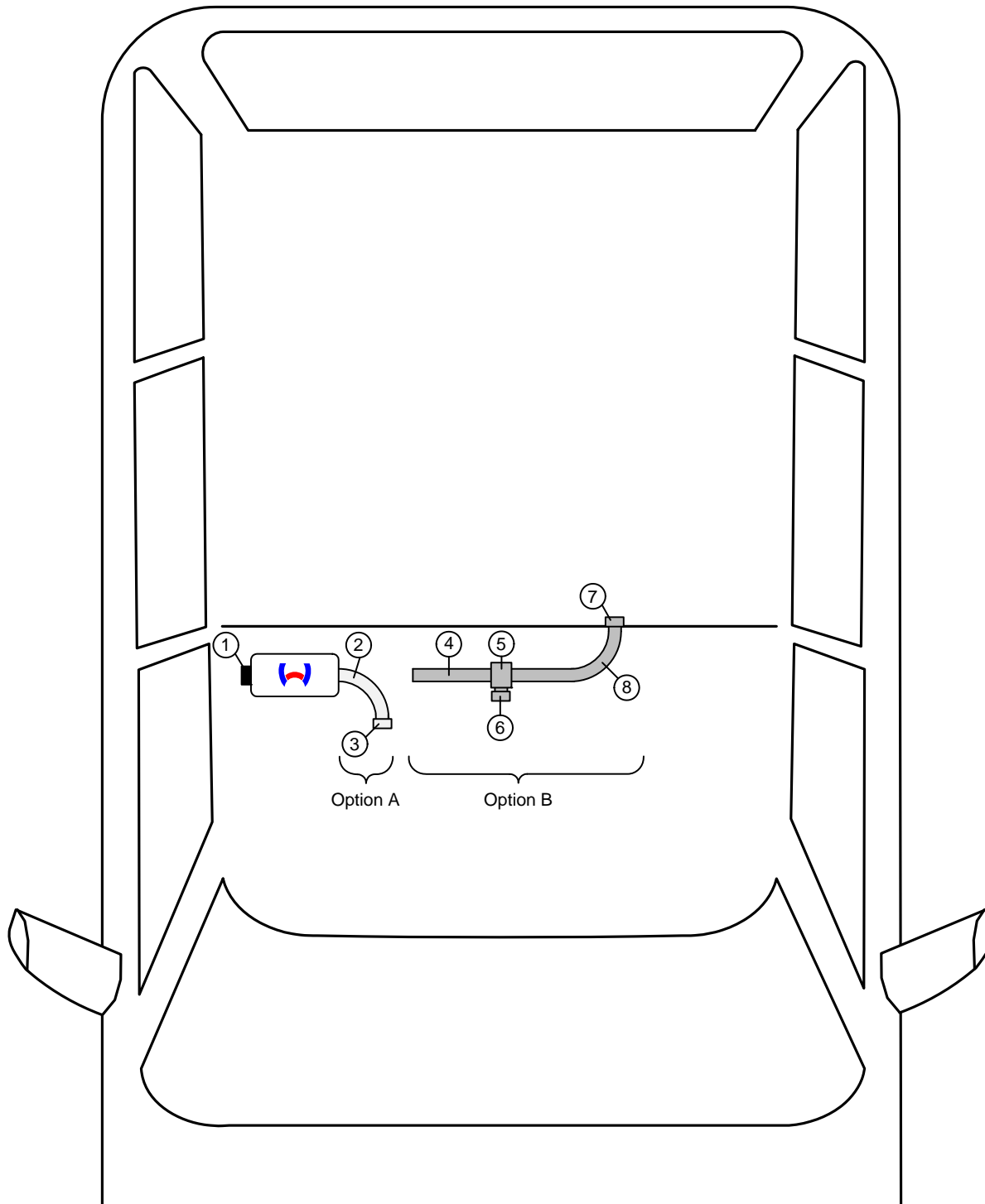
Hot Air

Route flexible tubes so that they are kink-free.

The following diagram shows the hot air distribution for heating the passenger compartment and cargo space.

WARNING!

In case of vehicles without front passenger seat trim, attach the air intake grille directly onto the heater. Hose **A**, pass through and cover grille are omitted in this case.

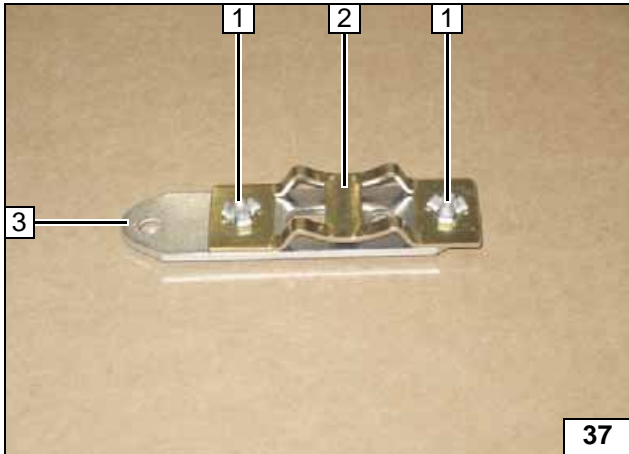
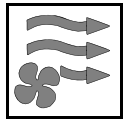


Flexible tube routing diagram

- 1 = Cover grille of hot air inlet
- 2 = Hot air elbow
- 3 = Cover grille
- 4 = 60mm dia, 130mm long corrugated tube

- 5 = Air distribution flap
- 6 = Cover grille
- 7 = Air outlet
- 8 = 55mm dia, 480mm long corrugated tube

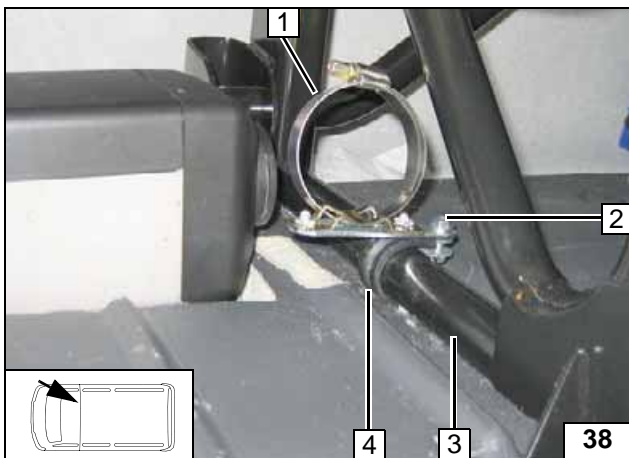




Option A: Heating of driver's cab

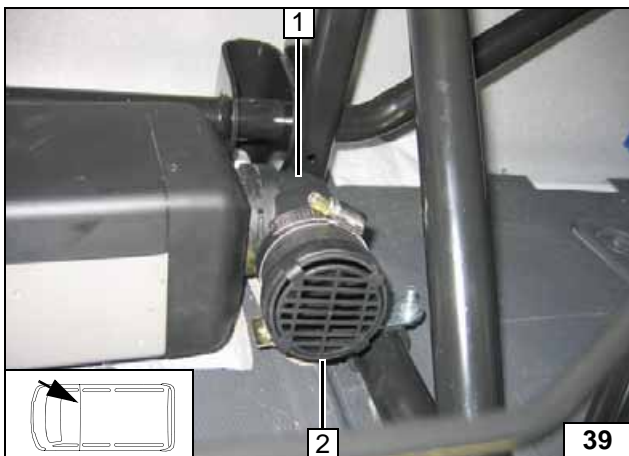
- 1 4.8x15 blind rivet [2x]
- 2 Console
- 3 Perforated bracket

Premounting perforated bracket



- 1 Install 60-80mm dia clamp loosely
- 2 M6x20 bolt, flanged nut mounted loosely
- 3 Tubular frame of seat
- 4 29 mm dia. rubber-coated p-clamp

Premounting perforated bracket

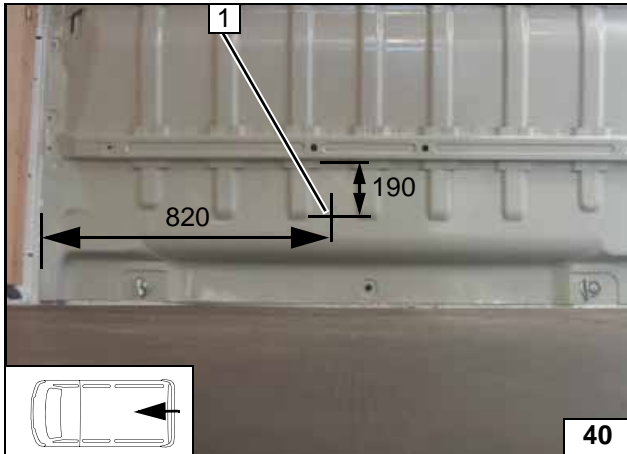
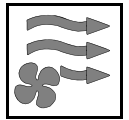


Insert hot air elbow 1 through clamp and fasten on heater. Tighten all screw connections.

- 2 Cover grille



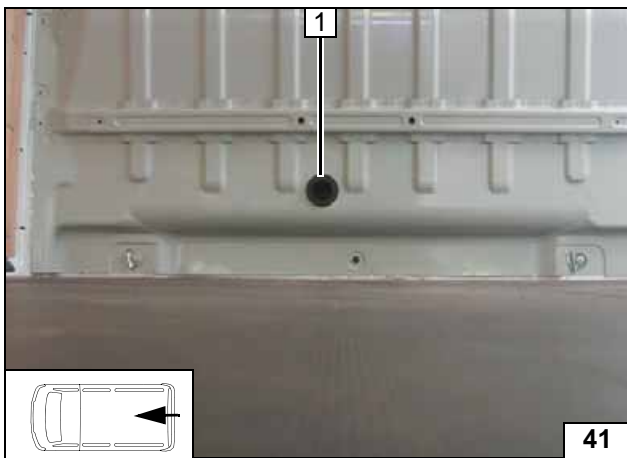
Fastening hot air elbow



Option B: Heating of driver's cab and cargo space

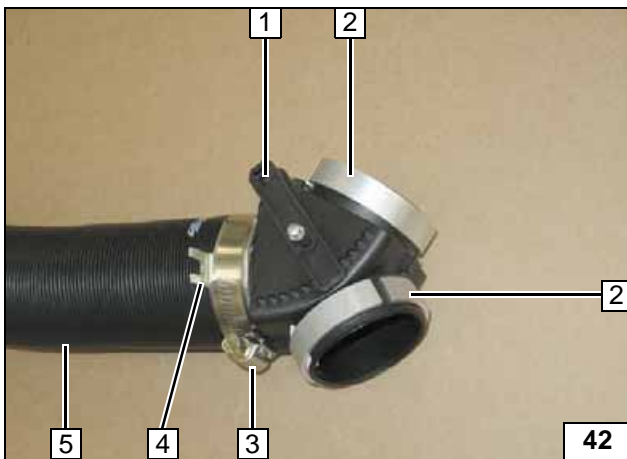
- 1 60 mm dia. hole

Hole for cargo space



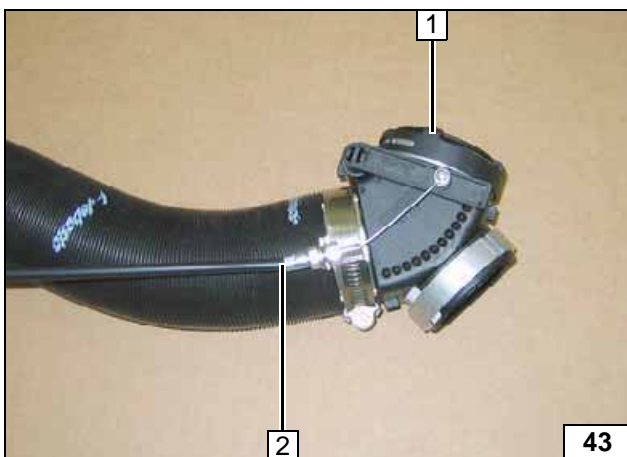
- 1 Install air outlet with attached self-tapping screw

Installing air outlet



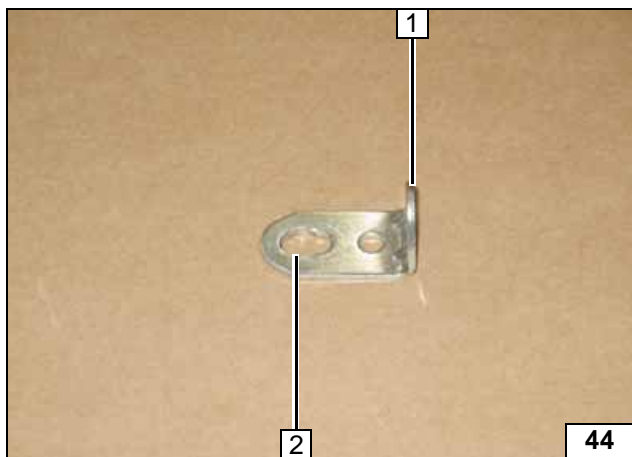
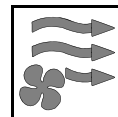
- 1 55x55x55 distribution flap
- 2 Spacer ring [2x]
- 3 60-80mm mm dia. clamp
- 4 Bar for Bowden cable
- 5 55mm dia, 480mm long corrugated tube

Premounting air distribution flap



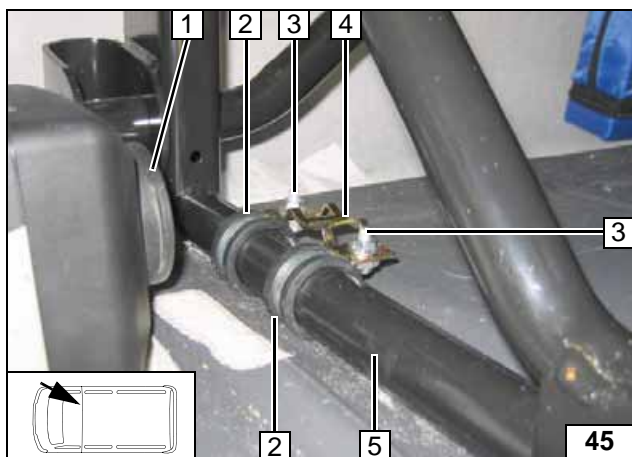
- 1 Cover grille
- 2 Bowden cable

Premounting air distribution flap



- 1 Angle bracket
- 2 Drill hole to 11mm dia

Drilling an-
gle bracket

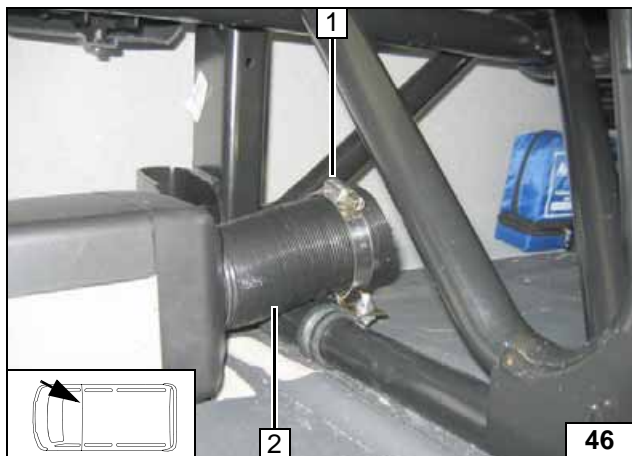


Before tightening, align console 4 to heater outlet 1



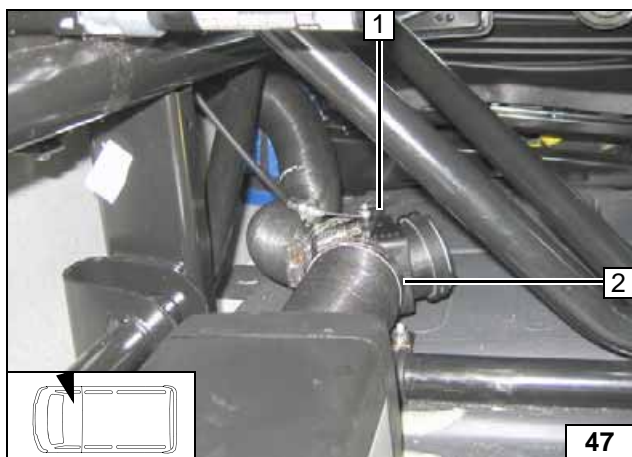
- 2 29 mm dia. rubber-coated p-clamp [2x]
- 3 M6x20 bolt, flanged nut [2x each]
- 5 Tubular frame of seat

Premount-
ing console



- 1 60-80mm dia. clamp loosely mounted on console
- 2 60mm dia, 130mm long corrugated tube

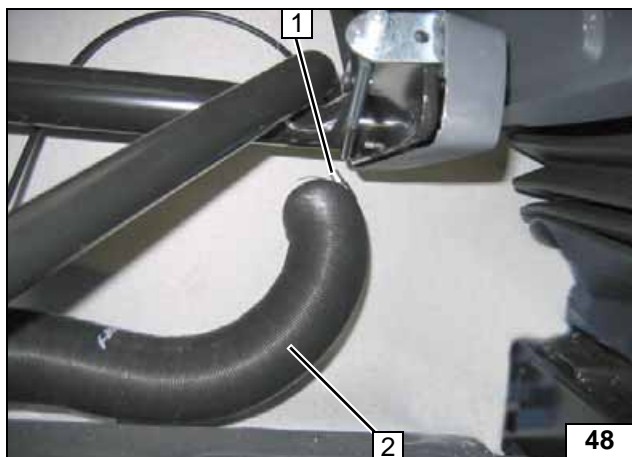
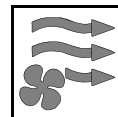
Installing
corrugated
tube



Insert air distribution flap 1 in corrugated tube and tighten clamp 2.



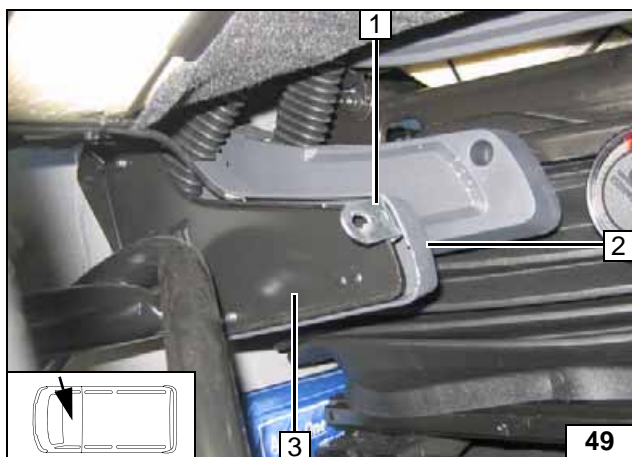
Installing
air distribu-
tion flap



Mount corrugated tube 2 on air outlet and fasten with 60-80mm clamp 1.



Connect-
ing air out-
let of cargo
space



Remove original vehicle bolt in order to fasten trim 2. Position angle bracket 1 between front passenger seat frame 3 and trim, fasten using M5x12 cap screw.

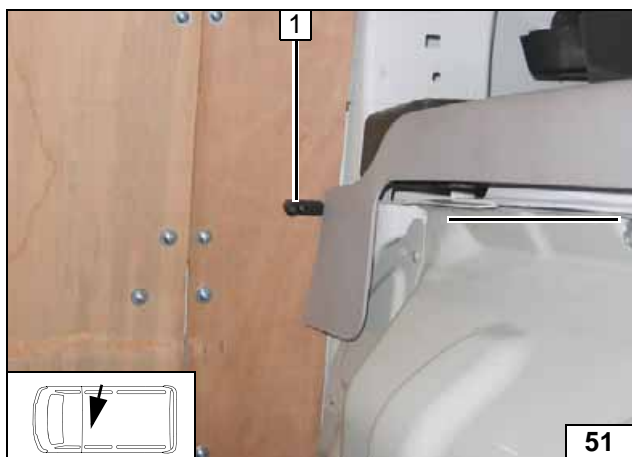


Installing
angle
bracket



1 Bowden cable

Fastening
Bowden
cable



Install temperature sensor 1, route wire to installation location of heater control and connect.



Installing
tempera-
ture sensor



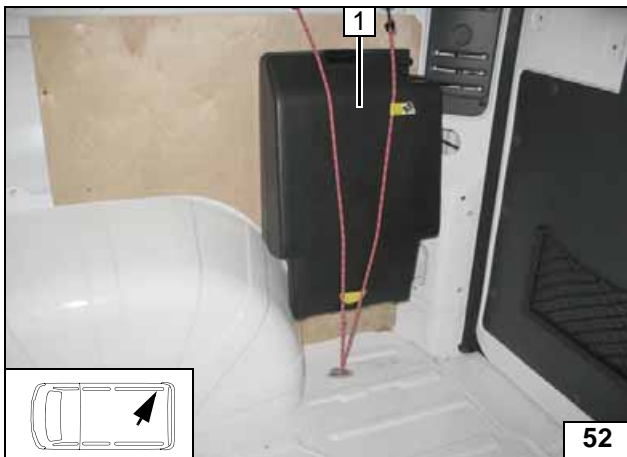
Final Work

WARNING!

Mount removed parts in reverse order.
 Check all clamps and all electrical connections for firm seating.
 Secure all loose cables using cable ties.
 Spray the heater components with anti-corrosion wax (Tectyl 100K, Order No. 111329).



- Connect the battery.
- Adjust the heater control.
- Check the proper function of the parking heater, see the operating instructions/installation instructions.
- Place the "Switch off parking heater before refuelling" signboard in the area of the filler neck.
- Place the "Risk of fire and injury" signboard on the right B pillar.

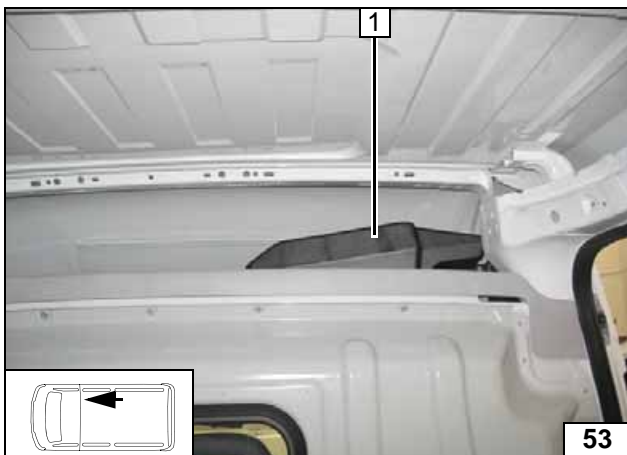


The installation location depends on the equipment, and must be coordinated with the end customer!

Variant 1

Copy hole pattern for bracket of toolkit 1 and fasten with original vehicle bolts and nuts. Tighten additionally with tension belt.

Installing toolkit



Variant 2

Fasten toolkit 1 with tension belt on storage.



Installing toolkit

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



Template for Fuel Standpipe

Watch length!

