

Water Heater

Thermo Top Evo Parking Heater



Installation Documentation

Mazda 3

Validity

Manufacturer	Model	Type	EG-BE-Nr. / ABE
Mazda	3	BL	e11 * 2001 / 116 * 0262 * ...

Motorisation	Fuel	Transmission type	Output in kW	Displacement in cm ³	Engine code
1.6 D	Diesel	6-speed SG	85	1560	Y6

SG = Manual transmission

from Model Year 2011 VIN: JMZBLA#Y...

Left-hand drive vehicle

verified equipment variants: Manual / automatic air-conditioning system
 Front fog light
 Bi- Xenon / Headlight washer system
 Euro 5

not verified: Passenger compartment monitoring

Total installation time: about 8 hours

Mazda 3

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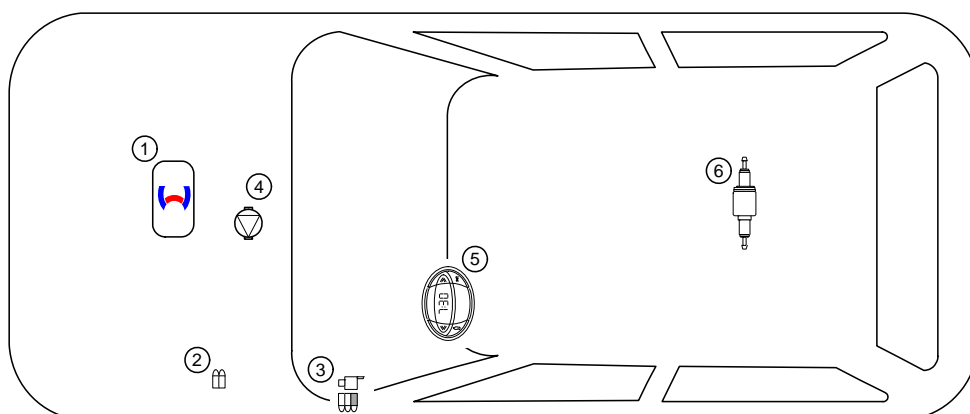
Necessary Components

- Basic delivery scope of *Thermo Top Evo* based on price list
- Installation kit for Mazda 3 2011 1.6 Diesel Euro 5: **1318035B**
Mazda Order-No.: **4100-78-815A**
- Fuel standpipe to be ordered additionally:
Mazda Order-No.: **4100-78-408**
- Heater control in accordance with price list and upon consultation with end customer
- In case of Telestart, indicator lamp in accordance with price list and in consultation with end customer

Installation Overview

Legend:

1. Heater
2. Fuse holder of engine compartment
3. Fuse holder of passenger compartment
4. Circulating pump
5. Digital timer
6. Metering pump



Notes on Total Installation Time

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

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

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.

When installing an IPCU, the corresponding settings must be checked or adjusted before the installation.

2 Statutory regulations governing installation

Guidelines	Thermo Top Evo
Heating Directive ECE R122	E1 00 0258
EMC Directive ECE R10	E1 03 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

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.

2.1 Excerpt from the directive 2001/56/EC Appendix VII 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.

Mazda 3

Notes on Validity

This installation document applies to the Mazda 3 1.6 Diesel Euro 5 vehicles - for validity, see page 1 - from model year 2011 and later, assuming technical modifications to the vehicle do not affect installation, any liability claims excluded. Depending on the vehicle version and equipment, modifications may be necessary during installation with respect to this installation documentation.

Vehicle and engine types, equipment variants and other specifications not listed in this installation documentation have not been tested. However, installation according to this installation documentation may be possible.

Technical Instructions

Special Tools

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

Dimensions

- All dimensions are in mm.

Tightening torque values

- Tightening torque values of 5x13 heater bolts and 5x11 heater stud bolts = 8Nm.
- Tightening torque values of 5x15 retaining plate of water connection piece bolts = 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.

Special features are highlighted using the following symbols:

Mechanical system



Electrical system



Coolant circuit



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



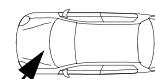
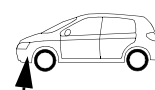
Reference to general installation instructions of the Webasto components or to the manufacturer's vehicle-specific documents



Reference to a special technical feature



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



Mazda 3

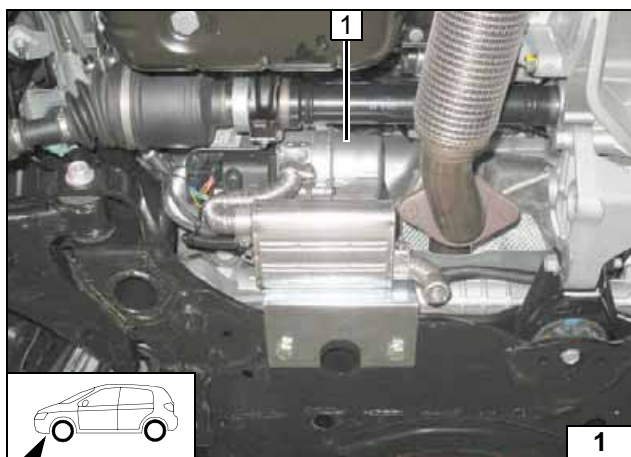
Preliminary Work

Vehicle

- Open the fuel tank cap.
- Ventilate the fuel tank.
- Close the fuel tank cap again.
- Depressurise the cooling system.
- Disconnect the battery and remove it completely along with the carrier.
- Remove the windscreen wiper.
- Remove the coolant reservoir cap on the left.
- Remove the windscreen wiper motor.
- Remove the underride protection of the engine.
- Remove the tank according to the manufacturer's instructions.
- Remove the lower instrument panel trim on the driver's side.
- Remove the A-pillar trim in the footwell on the driver's side.
- Remove the centre outlet vents above the radio (only with automatic air-conditioning).
- Remove the radio (only with automatic air conditioning).
- Remove the air trim of the centre console.

Heater

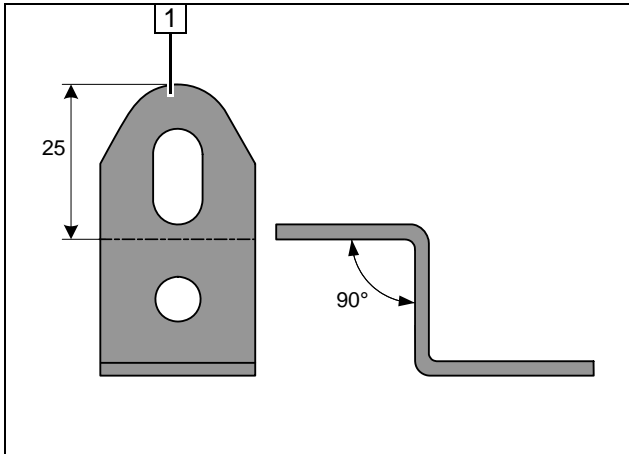
- Remove years that do not apply from the type and duplicate label.
- Attach the duplicate label (type label) in the appropriate place inside the engine compartment.



Heater Installation Location

1 Heater

Installation
location



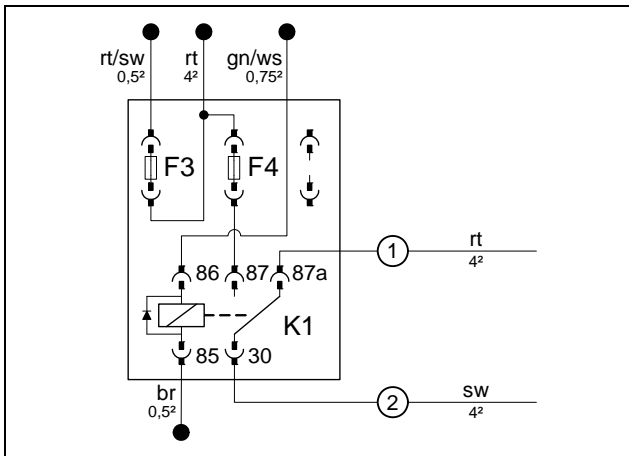
Preparing Electrical System

Wire sections retain their numbering through the entire document.

- 1 Angle bracket



Bending angle bracket

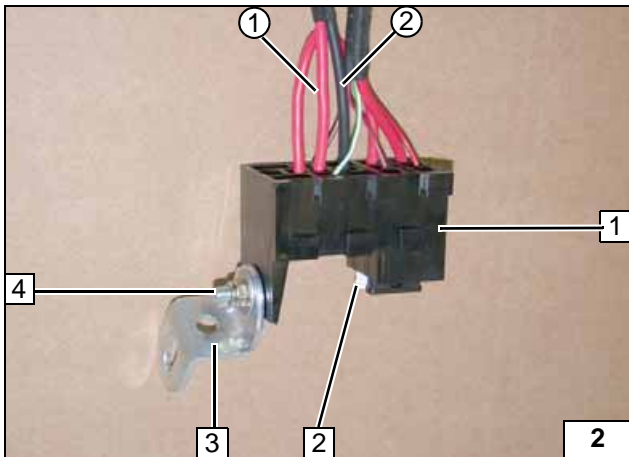


Manual air conditioning

Produce connections as shown in wiring diagram.



Wiring diagram

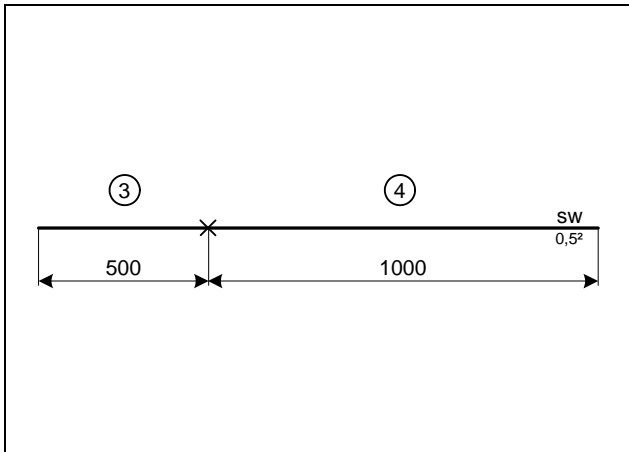


Connect wires according to wiring diagram

- 1 Fuse holder of passenger compartment
- 2 F4 25A fuse
- 3 Angle bracket
- 4 M5x16 bolt, large diameter washer [2x], nut
- ① Red (rt) wire from K1/87a
- ② Black (sw) wire from K1/30



Preparing fuse holder

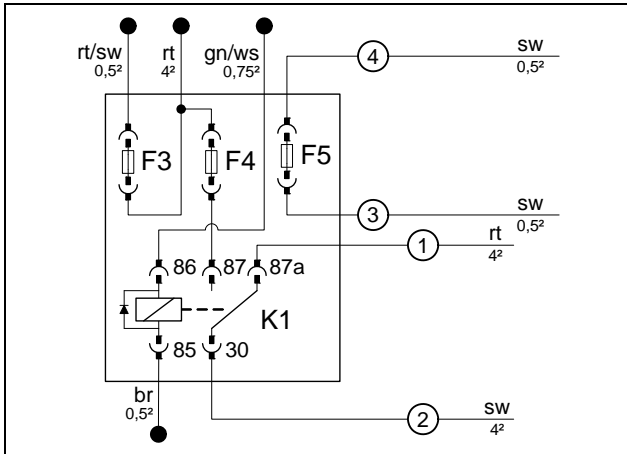
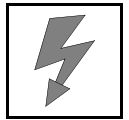


Automatic air conditioning

Pull wire 3 and 4 into protective sleeving.



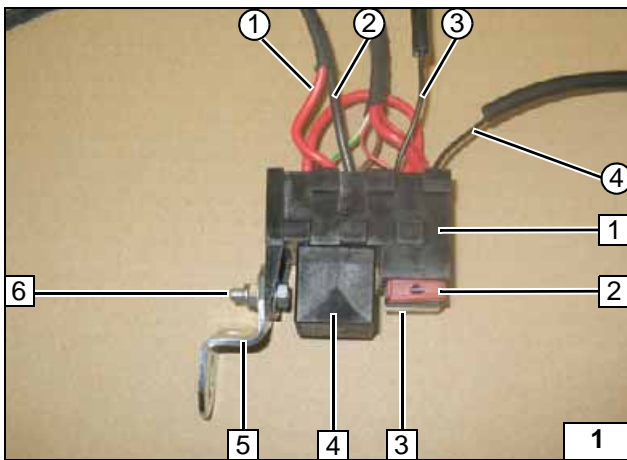
Cutting wires to length



Produce connections as shown in wiring diagram.



Wiring diagram

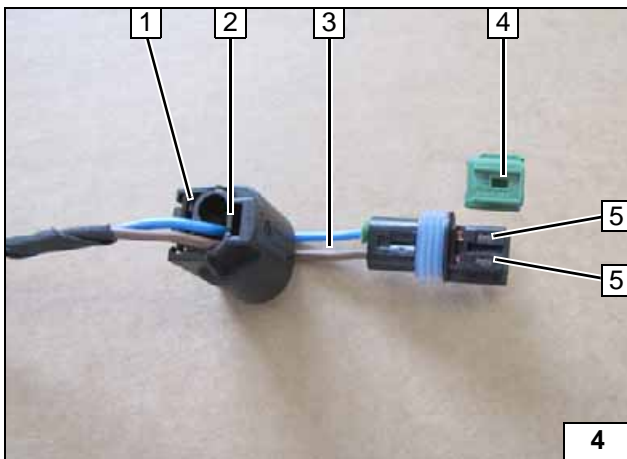


Connect wires according to wiring diagram.



- 1 Fuse holder of passenger compartment
 - 2 F5 10A fuse
 - 3 F4 25A fuse
 - 4 K1 relay
 - 5 Angle bracket
 - 6 M5x16 bolt, large diameter washer [2x], nut
- ① Red (rt) wire from K1/87a
 - ② Black (sw) wire from K1/30
 - ③ Black (sw) wire of F5 fuse
 - ④ Black (sw) wire of F5 fuse

Preparing fuse holder



Complete connector of metering pump again after routing. Pin assignment is not relevant.



- 1 Connector housing
- 2 Lock
- 3 Blue/brown (bl / br) wires
- 4 Coding
- 5 Timer lock

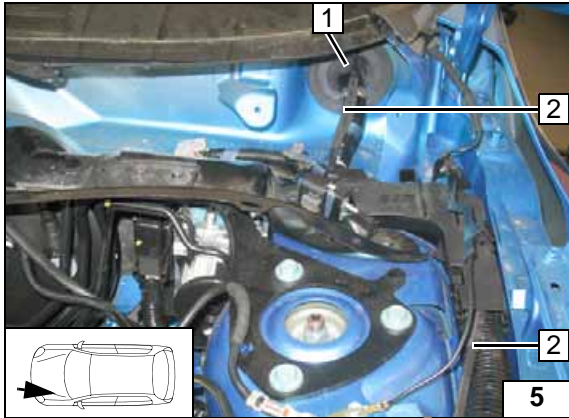
Removing connector



Electrical System

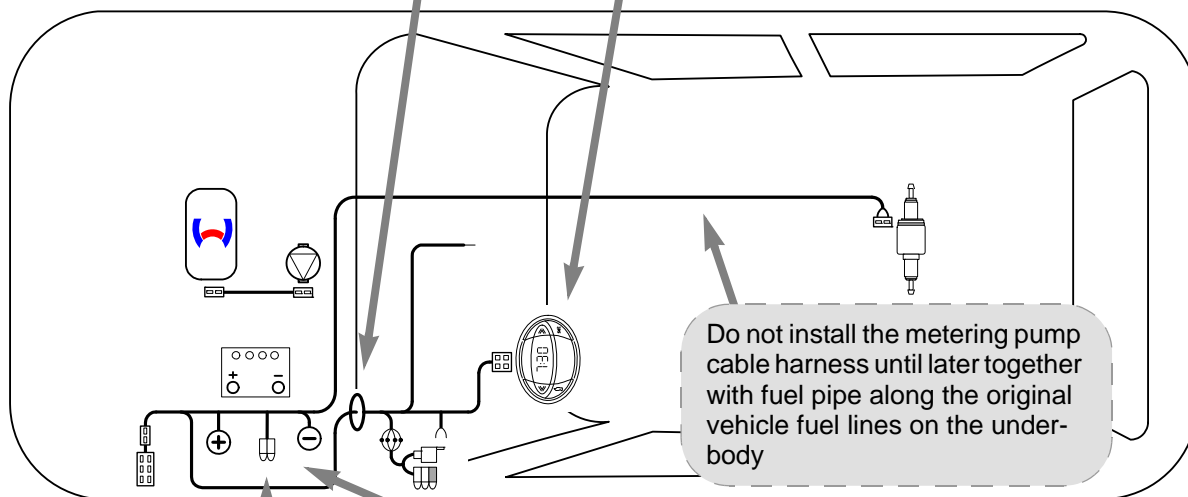
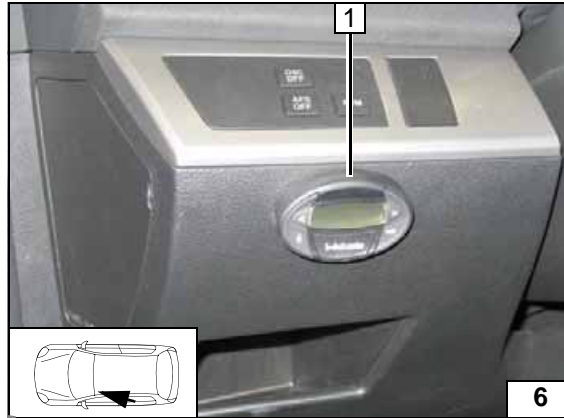
Wiring harness pass through

- 1 Protective rubber plug
- 2 Wiring harnesses of heater and controls

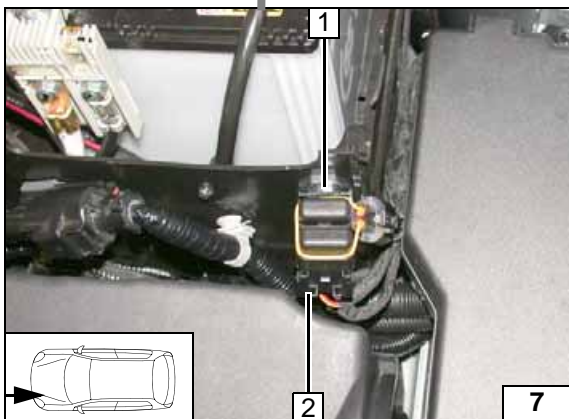


Digital timer

- 1 Digital timer

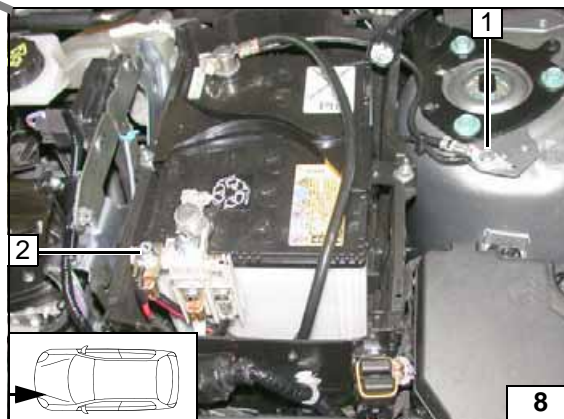


Wiring harness routing diagram



Fuse holder in engine compartment

- 1 5.5 mm dia. hole, M5x16 bolt, washer [2x], retaining plate of fuse holder, nut
- 2 Fuse holder

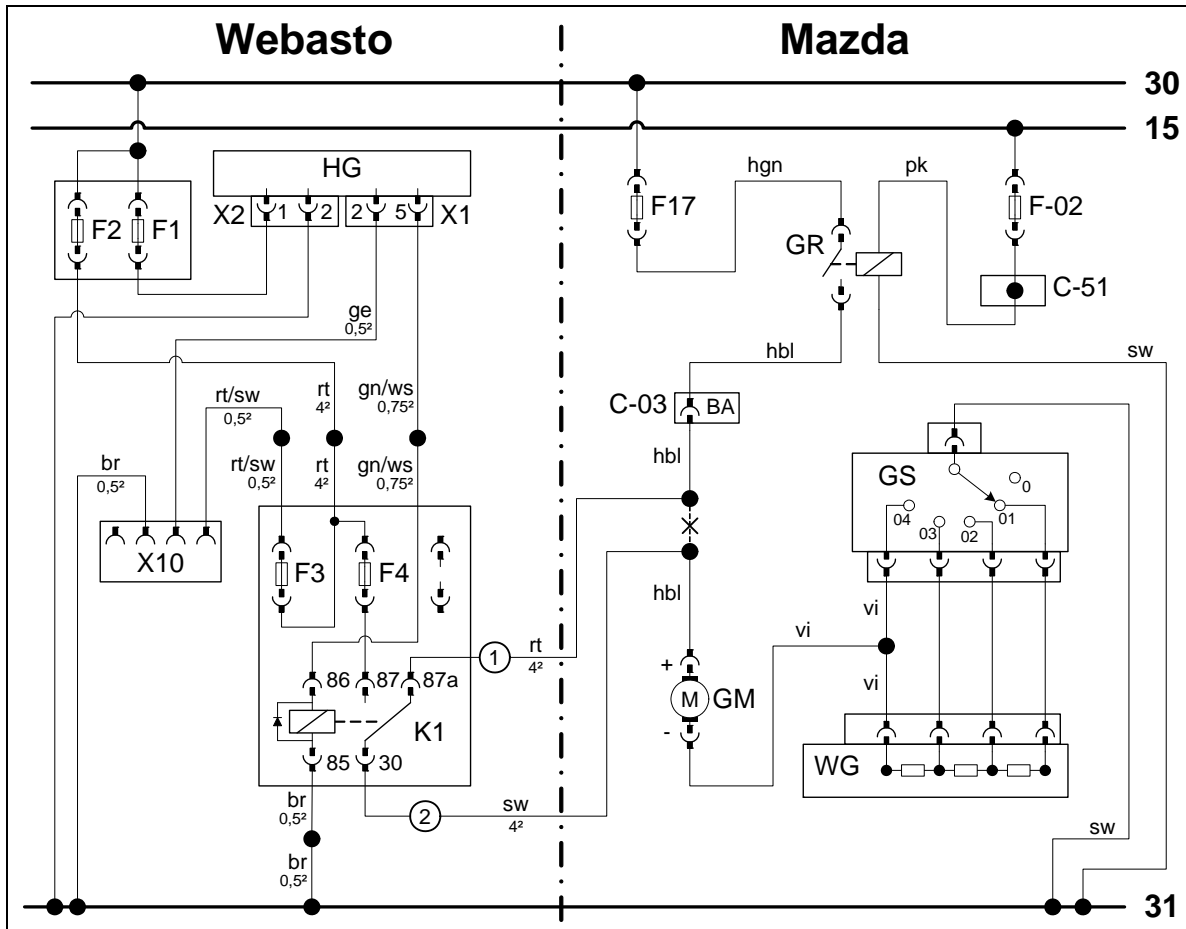


Positive and earth wire

- 1 Original vehicle earth support point
- 2 Original vehicle positive support point



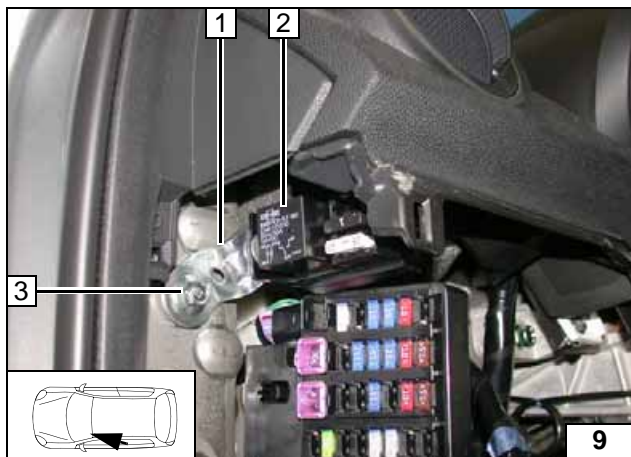
Fan Control for Manual Air-Conditioning



Wiring diagram

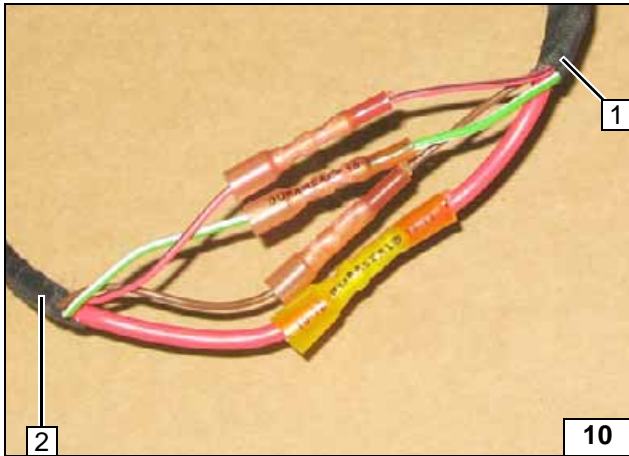
Webasto components		Vehicle components		Colours and symbols	
HG	Heater TT-Evo	F17	40A fuse	rt	red
X1	6-pin heater connector	F-02	10A fuse	sw	black
X2	2-pin heater connector	GR	Fan relay	pk	pink
X10	4-pin connector Heater control	C-51	Distributor	hgn	light green
K1	Fan relay	C-03	A-pillar connector	vi	violet
F1	20A fuse	GS	Fan switch	hbl	light blue
F2	30A fuse	GM	Fan motor		
F3	1A fuse	WG	Resistor group		
F4	25A fuse			X	Cutting point
				Wiring colours may vary.	

Legend



- 1 Premounted fuse holder
- 2 K1 relay
- 3 Original vehicle bolt

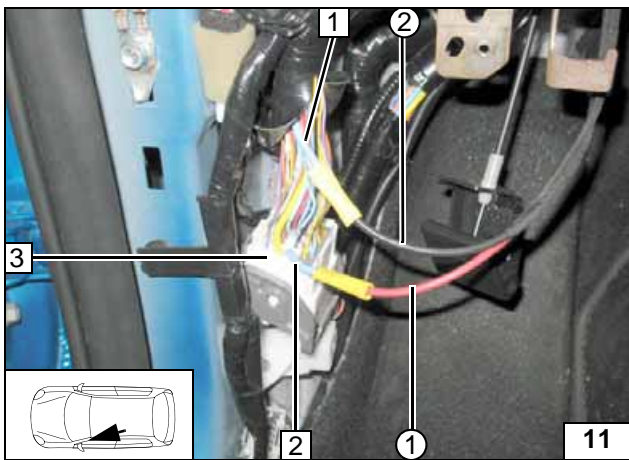
Mounting fuse holder of passenger compartment



Connect same colour wires of wiring harness of passenger compartment fuse holder **1** to wiring harness of heater **2** according to wiring diagram.



**Connect-
ing wiring
harnesses**



Connection on connector C-03 **3** A-pillar. Produce connections as shown in wiring diagram.

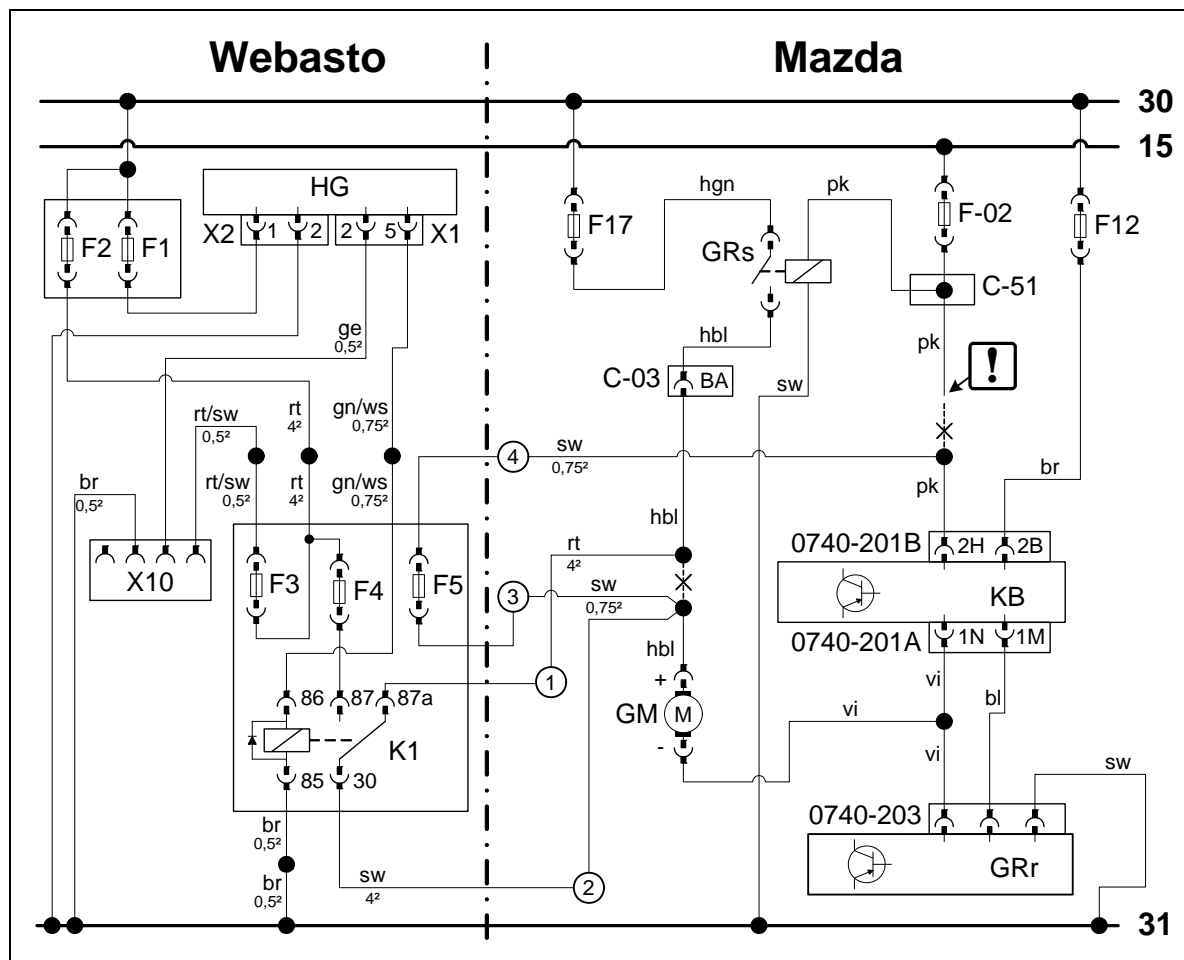


- 1** Light blue (hbl) wire of fan motor
- 2** Light blue (hbl) wire of connector C-03
- ① Red (rt) wire from K1/87a
- ② Black (sw) wire from K1/30

**Connect-
ing fan mo-
tor**



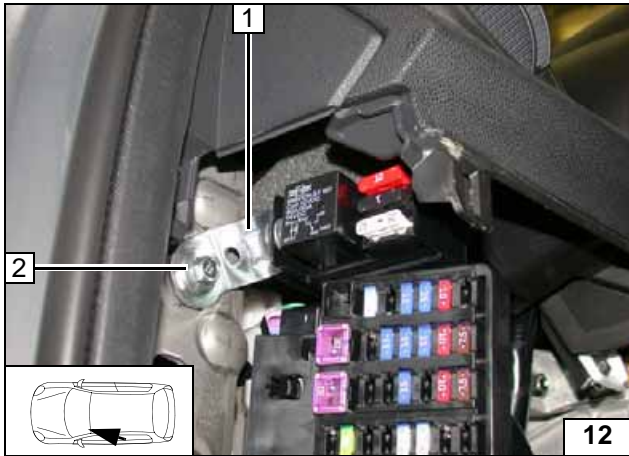
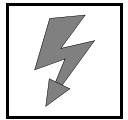
Automatic Air-Conditioning Fan Control



Wiring diagram

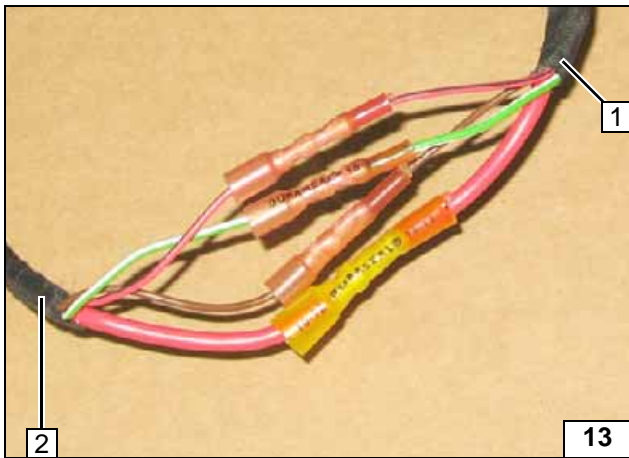
Webasto components		Vehicle components		Colours and symbols	
HG	Heater TT-Evo	F17	40A fuse	rt	red
X1	6-pin heater connector	F-02	10A fuse	sw	black
X2	2-pin heater connector	F12	15A fuse	pk	pink
X10	4-pin connector Heater control	GRs	Fan relay	hgn	light green
K1	Fan relay	C-51	Distributor	vi	violet
F1	20A fuse	C-03	A-pillar connector	hbl	light blue
F2	30A fuse	0740-201B	Connector KB	br	brown
F3	1A fuse	KB	A/C control panel	bl	blue
F4	25A fuse	0740-201A	Connector KB	gn	green
F5	10A fuse	GM	Fan motor	ge	yellow
		0740-203	Connector GRr		
		GRr	Fan controller		Insulate wire end and tie back
				X	Cutting point
					Wiring colours may vary.

Legend



- 1 Premounted fuse holder
- 2 Original vehicle bolt

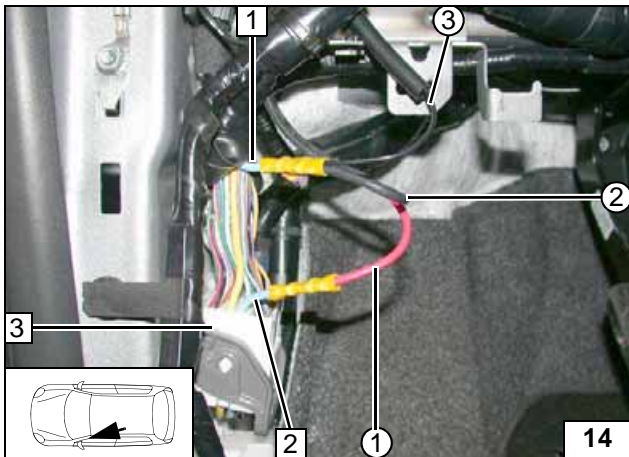
Mounting fuse holder of passenger compartment



Connect same colour wires of wiring harness of passenger compartment fuse holder 1 to wiring harness of heater 2 according to wiring diagram.



Connecting wiring harnesses

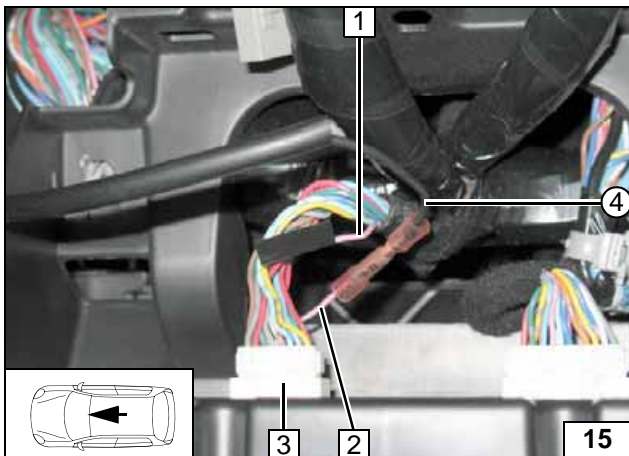


Connection on connector C-03 3 A-pillar. Produce connections as shown in wiring diagram.

- 1 Light blue (hbl) wire of fan motor
- 2 Light blue (hbl) wire of connector C-03
- ① Red (rt) wire from K1/87a
- ② Black (sw) wire from K1/30
- ③ Black (sw) wire of F5 fuse



Connecting fan motor

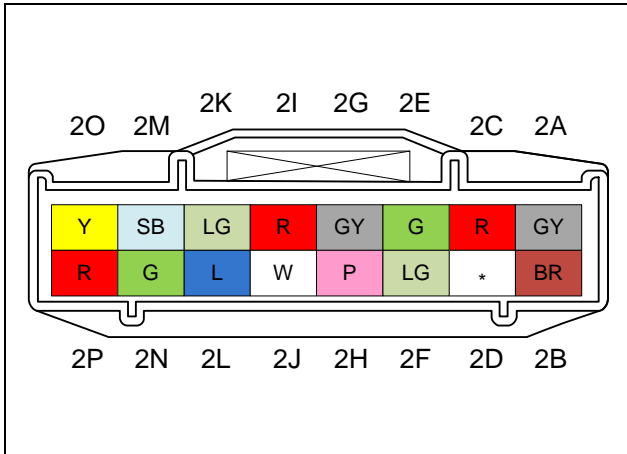


Connection on 16-pin connector 0740-201B 3 from A/C control panel. Insulate pink (pk) wire 1 from fuse F02 and tie back. Produce connections as shown in wiring diagram.

- 2 Pink (pk) wire of 16-pin connector, Pin 2H
- ④ Black (sw) wire of F4 fuse



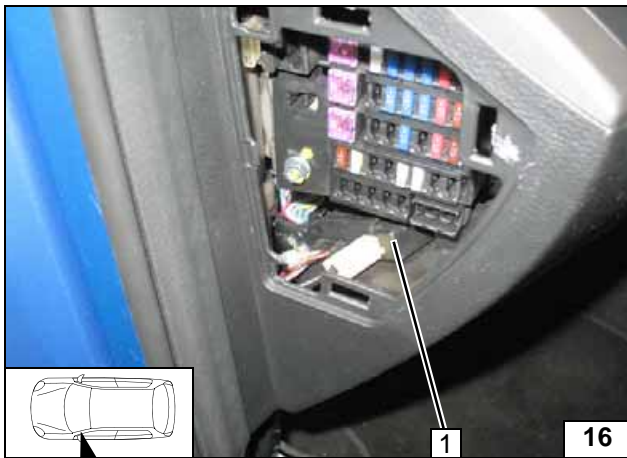
Connecting A/C control panel



Connector 0740-201B on wire side



View of connector 0740-201B

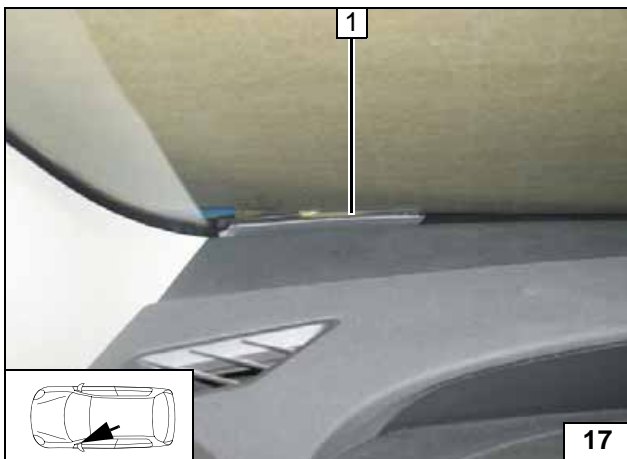


Remote Option (Telestart)

Fasten receiver 1 with adhesive tape.

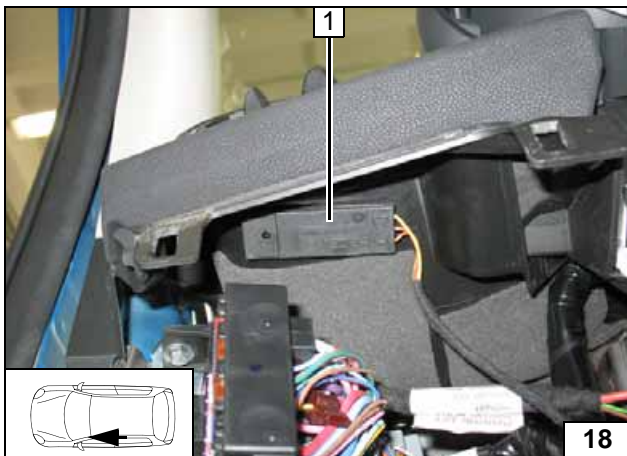


Mounting receiver



1 Antenna

Mounting antenna

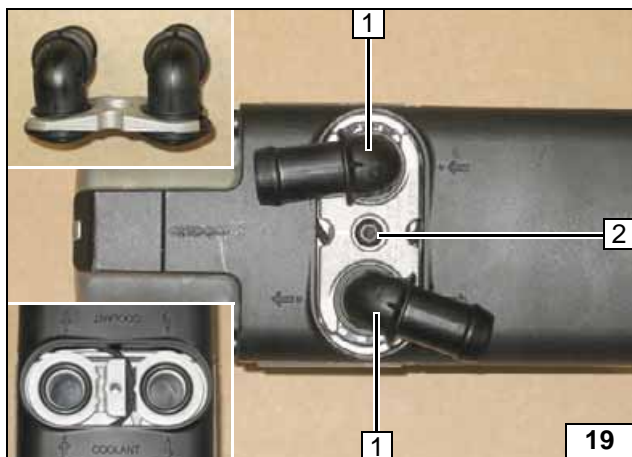


Temperature sensor HTM100

Fasten temperature sensor 1 with adhesive tape.



Mounting temperature sensor

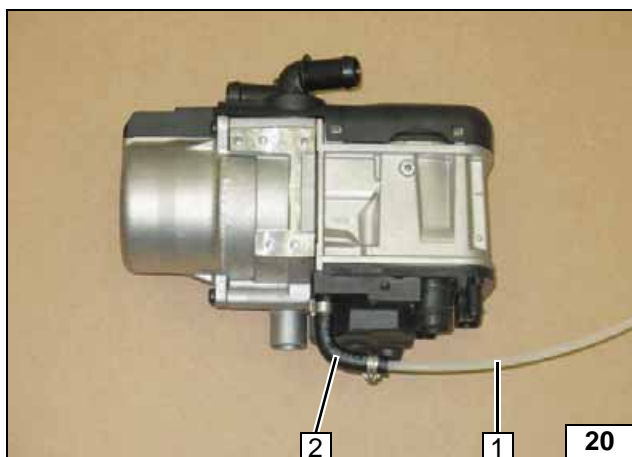


Preparing Heater

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

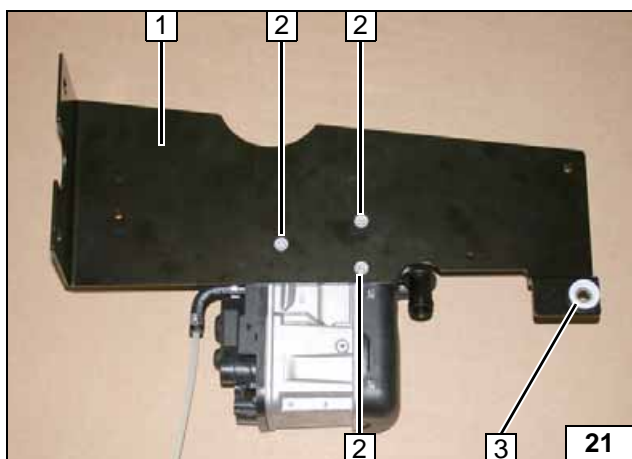


Mounting water connection piece



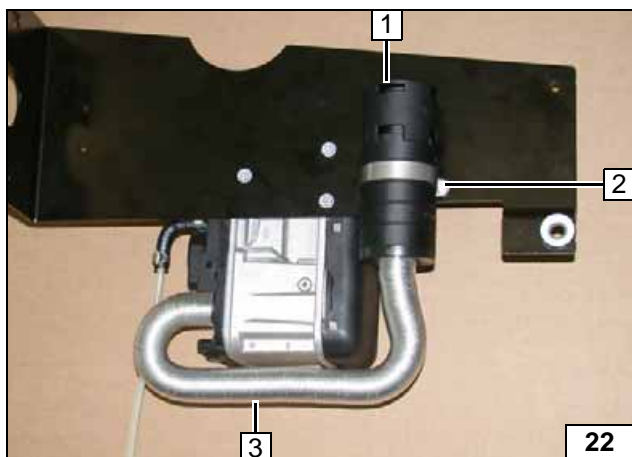
- 1 Fuel line
- 2 90° moulded hose, 10 mm dia. clamp [2x]

Premounting fuel line



- 1 Bracket
- 2 5x13 self-tapping bolt [3x]
- 3 Rubber buffer, sleeve installation

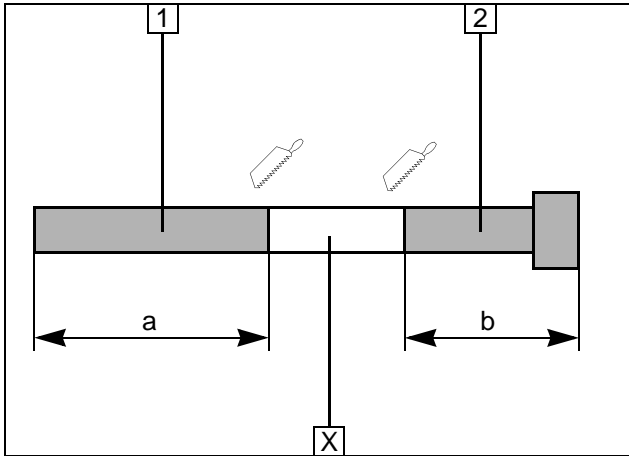
Mounting bracket



- 1 Silencer
- 2 M5x16 bolt, 51 mm dia. clamp, flanged nut
- 3 Combustion air pipe



Mounting combustion air pipe

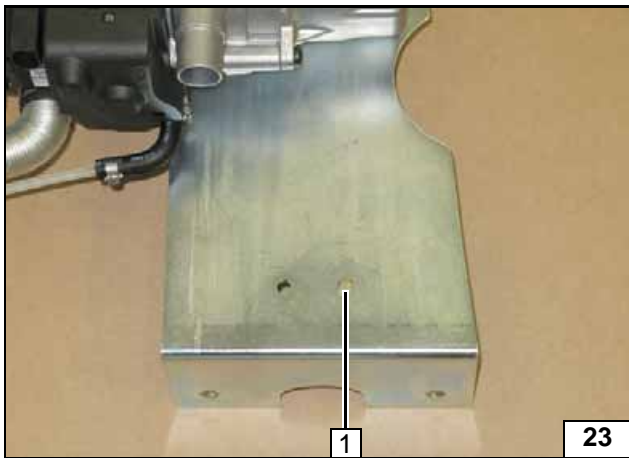


Discard section X.

- 1 Exhaust pipe
a = 200
- 2 Exhaust end section
b = 80

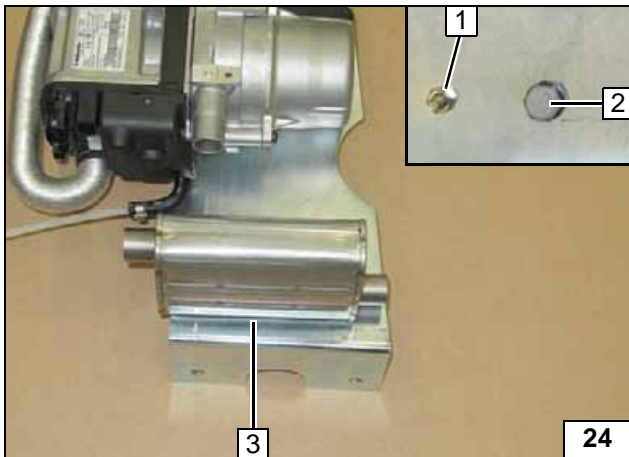


Preparing exhaust pipe



- 1 M4x12 bolt, nut from rear

Mounting twist protection

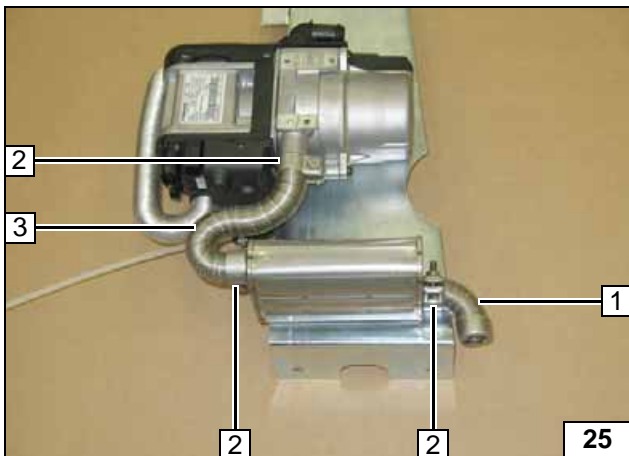


Position housing recess of silencer 3 over bolt head 1 (twist protection).

- 2 M6x16 bolt, spring lockwasher

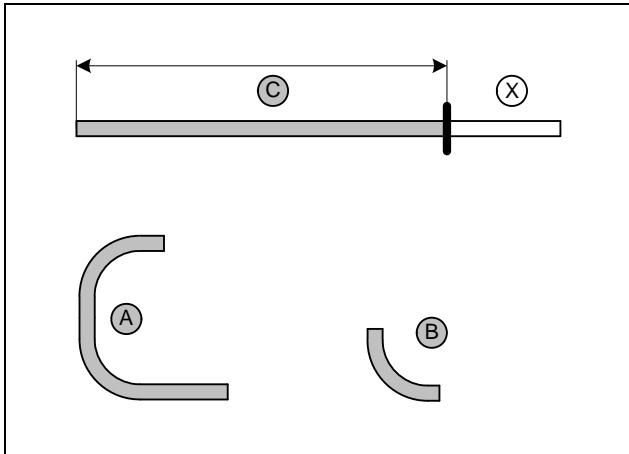
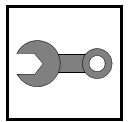


Mounting silencer



- 1 Exhaust end section
- 2 Hose clamp [3x]
- 3 Exhaust pipe

Mounting exhaust pipe

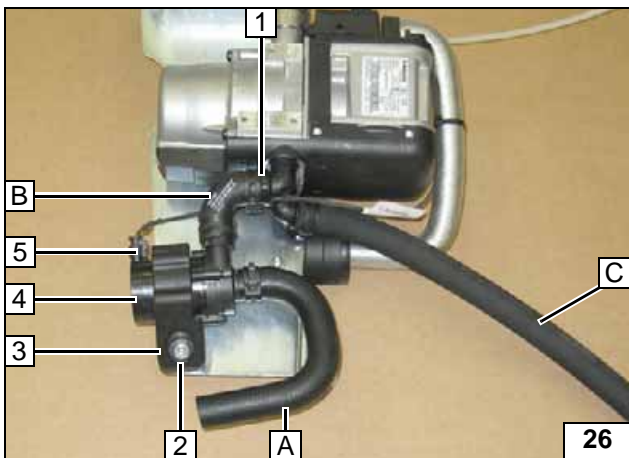


Discard section X.

- A = 180° Moulded hose
- B = 90° Moulded hose
- C = 450



Preparing hoses



All spring clips = 25 mm dia.

- 1 Cable tie, wiring harness of circulating pump
- 2 M6x25 bolt, flanged nut
- 3 Intake of circulating pump
- 4 Circulating pump
- 5 Wiring harness of circulating pump

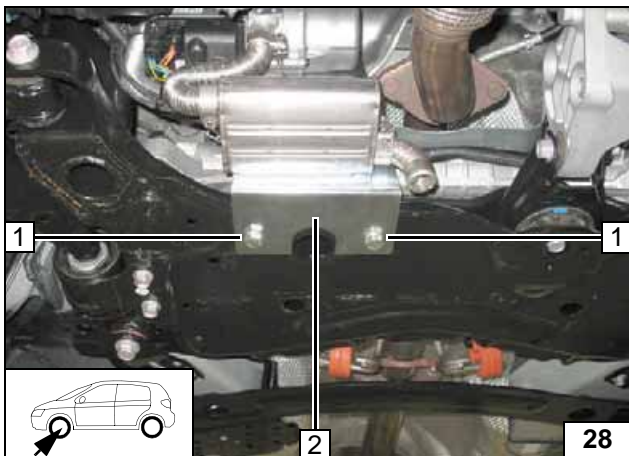


Mounting circulating pump and hoses



- 1 Wiring harness of circulating pump
- 2 Cable tie

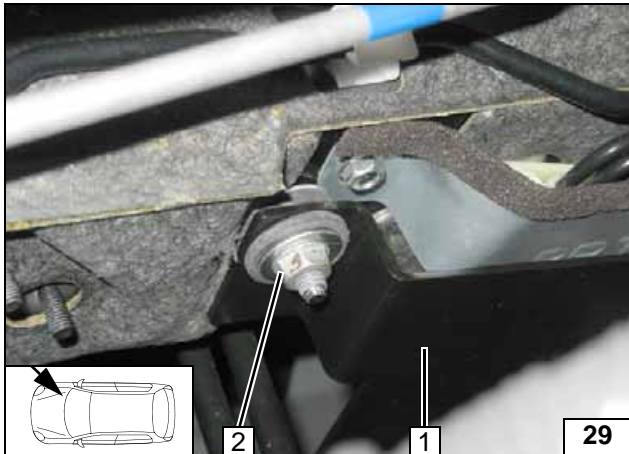
Mounting circulating pump



Installing Heater

- 1 Loosely mount M10x25 bolt, spring lock-washer, washer, existing threaded hole [2x each]
- 2 Bracket

Loosely mounting heater



- 1 Bracket
- 2 Large diameter washer, M8 flanged nut, original vehicle stud bolt

Mounting heater



Align heater. Ensure sufficient distance from neighbouring components. Ensure minimum distance of 5 mm > from steering components and > 15mm from transmission, cardan shaft and engine components.
Tighten M10x25 bolts.



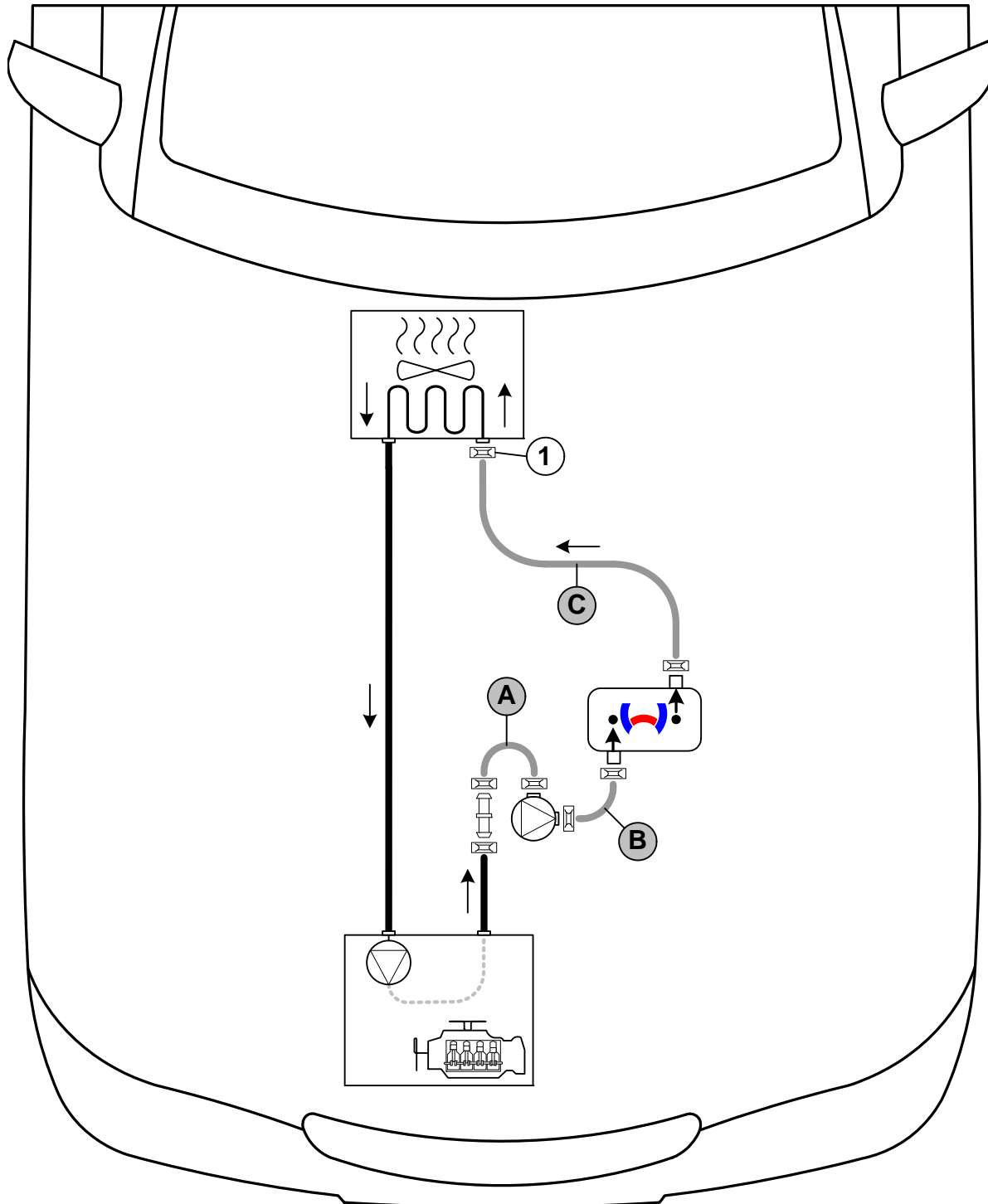
Aligning heater






Coolant Circuit

WARNING!

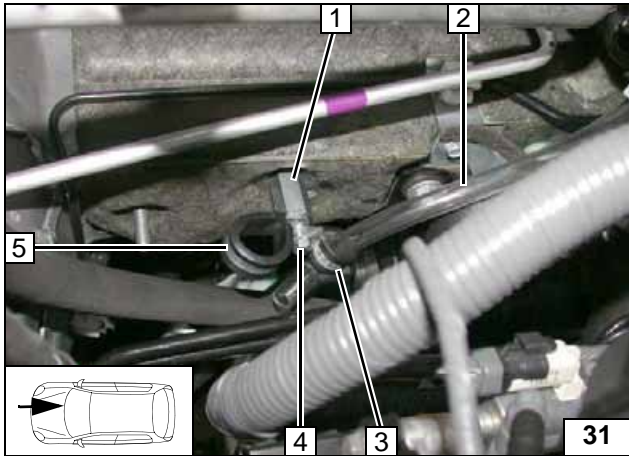
Any coolant running off should be collected using an appropriate container. Route hoses kink-free. Unless specified otherwise, always fasten using cable ties. Position clamps so that other hoses cannot be damaged. The heater must be filled with coolant when installing the hoses. The connection should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



Hose routing diagram

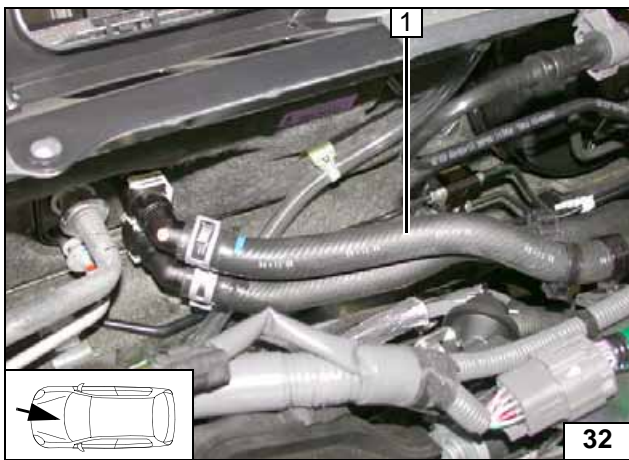
All spring clips without a specific designation  = 25 mm dia. **1** = Original vehicle spring clip . Connecting pipe  = 18x18mm dia.





- 1 M6x30 spacer nut
- 2 Hose on coolant reservoir drain
- 3 15 mm dia. rubber-coated p-clamp
- 4 Loosely install M6x20 bolt, spring lock-washer
- 5 25 mm dia. rubber-coated p-clamp

Preliminary work



Remove hose on engine outlet 1 from heat exchanger inlet. Spring clip will be reused.



Cutting point

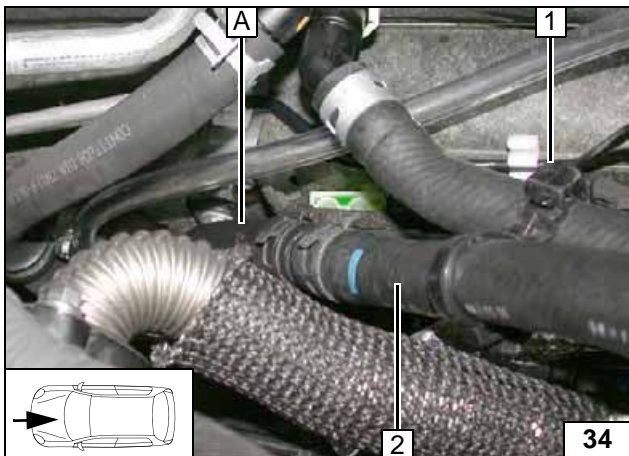


Ensure sufficient distance from neighbouring components.

- 1 Heat exchanger inlet
- 2 25 mm dia. rubber-coated p-clamp



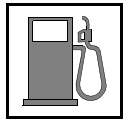
Connecting heat exchanger inlet



- 1 Hose bracket
- 2 Hose of engine outlet

Connecting engine outlet

Mazda 3



Fuel

CAUTION!

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

Catch any fuel running off with an appropriate container.

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



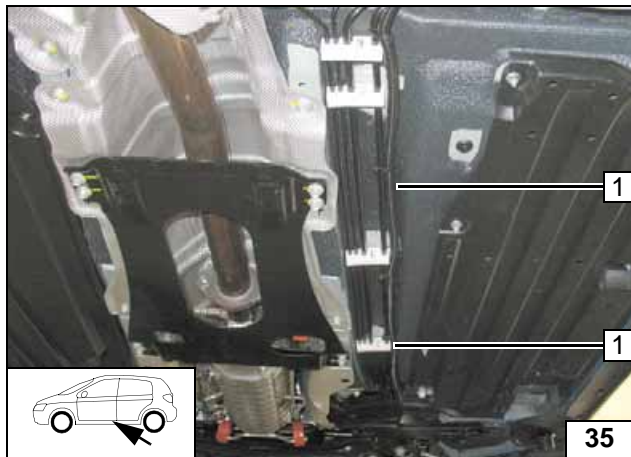
Routing lines



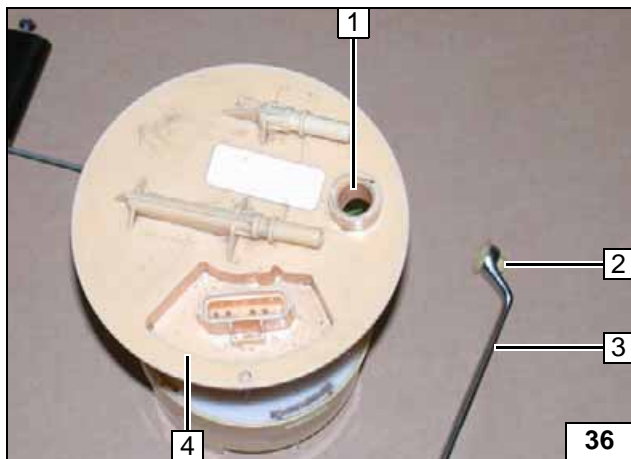
Fuel extraction



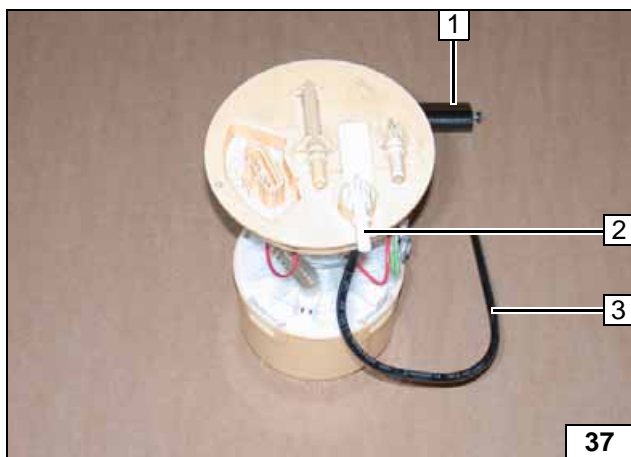
Installing fuel stand-pipe



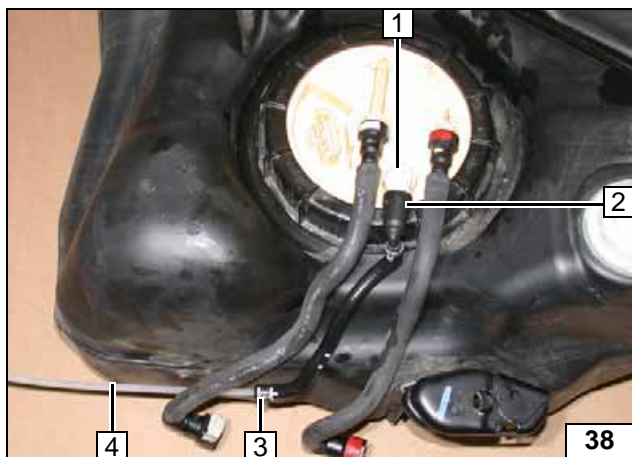
Route fuel line from heater in corrugated tube along frame side member to firewall. Route fuel line from heater and wiring harness of metering pump in corrugated tube 1 along original vehicle fuel lines to underbody and further to installation location of metering pump.



Remove fuel-tank sending unit 4 according to manufacturer's instructions. Break out connecting piece 2 at predetermined rupture joint 1 with suitable tool 3 according to manufacturer's specification.



Install fuel standpipe 2 (Mazda Order No.: 4100-78-408). Align removal hose 3 up to fuel tank floor. Pay attention to the freedom of movement of the fuel gauge 1.

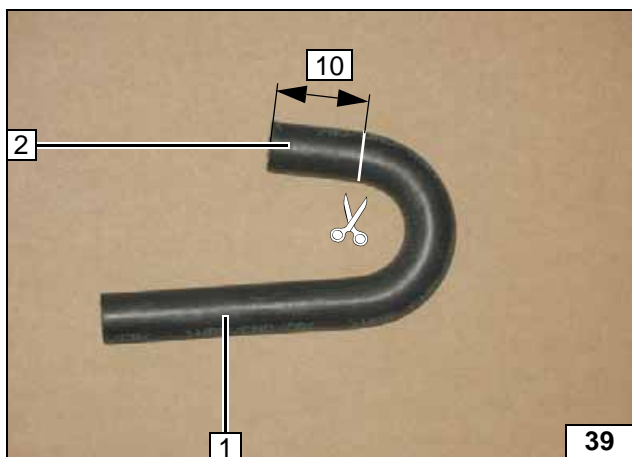


Install fuel-tank sending unit according to manufacturer's instructions. Mount coupling 2 on fuel standpipe 1. Install fuel tank.



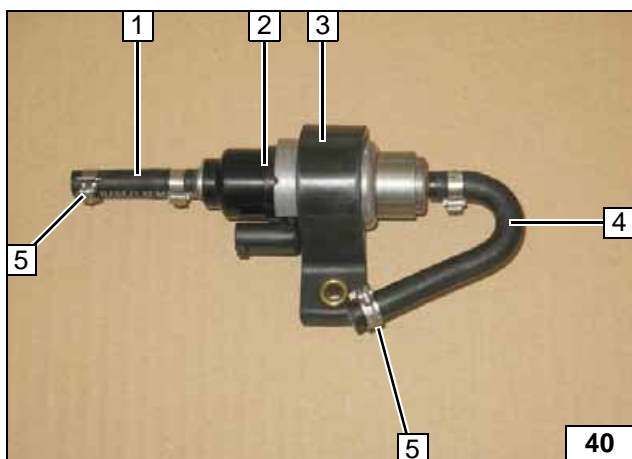
- 3 10 mm dia. clamp
- 4 Fuel line

**Connect-
ing fuel line**



- 1 180° Moulded hose
- 2 Discard section

**Cutting
moulded
hose to
length**

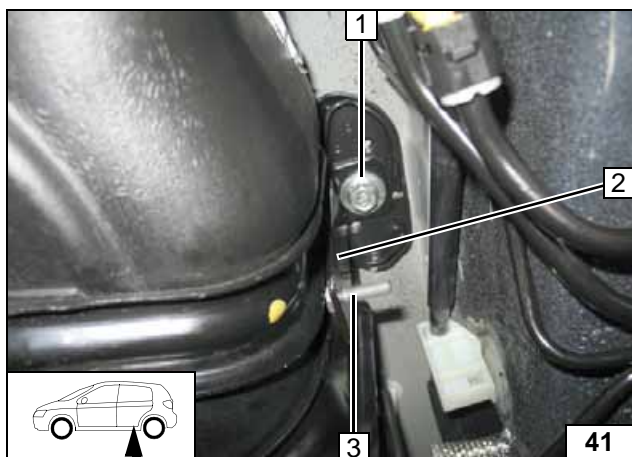


Slide on 10mm dia. clamp [2x] at position 5.



- 1 Hose section, 10 mm dia. clamp [2x]
- 2 Metering pump
- 3 Intake of metering pump
- 4 180° moulded hose, 10 mm dia. clamp [2x]

**Mounting
metering
pump**

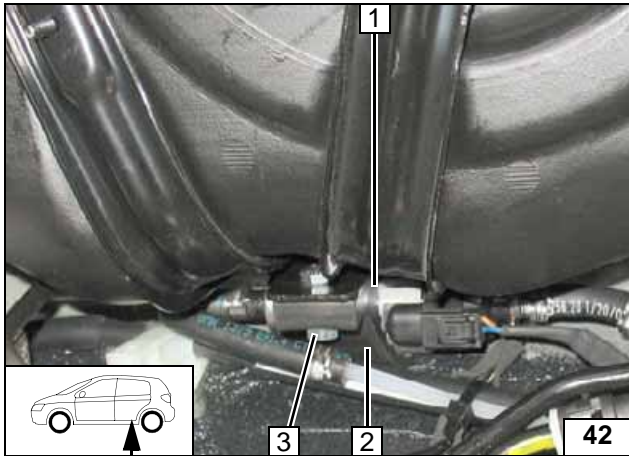


Insert M6x25 bolt 3 into existing hole of metering pump bracket 2.



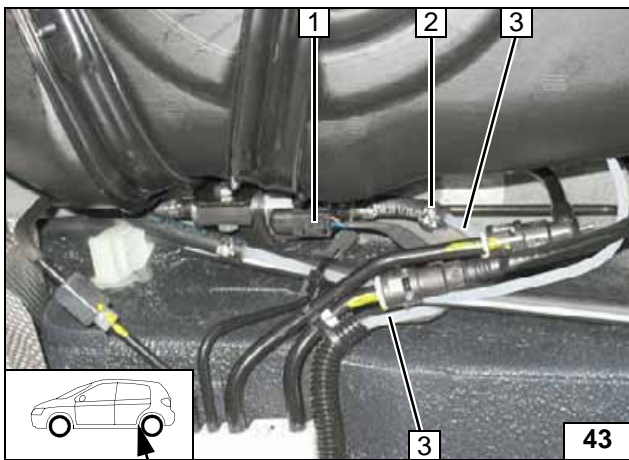
- 1 Original vehicle bolt

**Mounting
metering
pump
bracket**



- 1 Metering pump
- 2 Intake of metering pump
- 3 M6x25 bolt, flanged nut

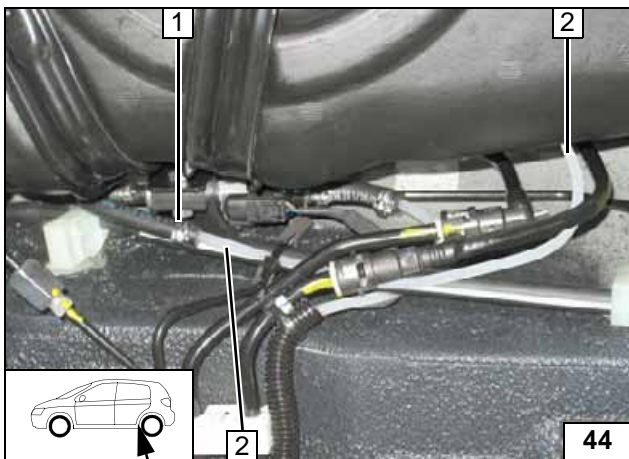
**Mounting
metering
pump**



- 1 Wiring harness of metering pump, connector mounted
- 2 10 mm dia. clamp
- 3 Fuel line of heater



**Connect-
ing meter-
ing pump**



- 1 10 mm dia. clamp
- 2 Fuel line of fuel standpipe



**Connect-
ing meter-
ing pump**



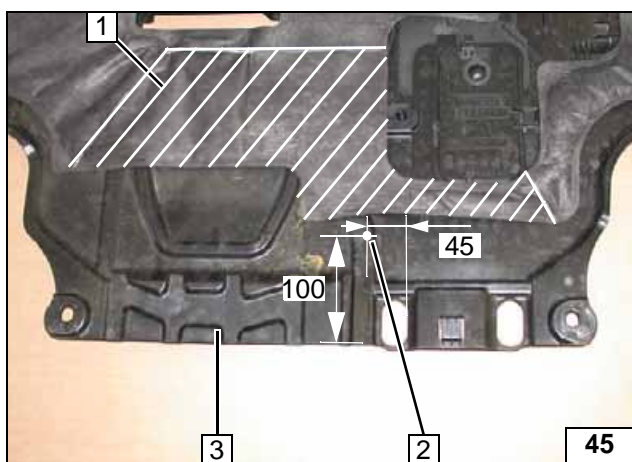
Final Work

WARNING!

Mount removed parts in reverse order. Check all hoses, clamps and all electrical connections for firm seating. Insulate and tie back all loose wires. Only use manufacturer-approved coolant. Spray heater components with anti-corrosion wax (Tectyl 100K, Order No. 111329).



- Connect the battery.
- Fill and bleed the coolant circuit according to the vehicle manufacturer's specifications.
- Adjust digital timer, teach Telestart remote option.
- Make settings on A/C control panel according to the "Operating Instructions for End Customer".
- Place the signboard "Switch off parking heater before re-fuelling" in the area of the filler neck.
- For initial startup and function test, see installation instructions.



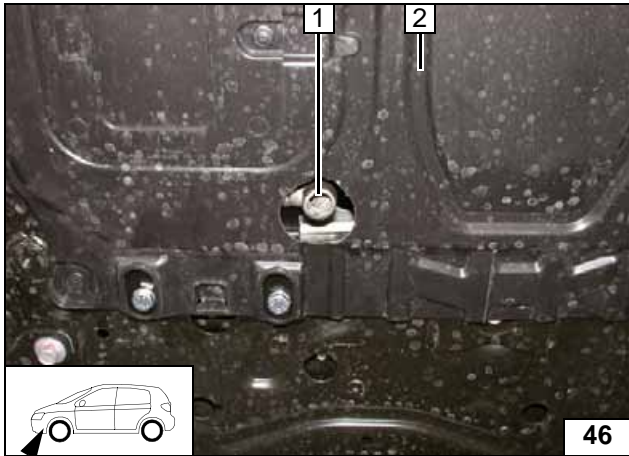
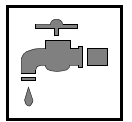
Cut out and discard insulation strip in area 1.

- 2 60 mm dia. hole
- 3 Underride protection



**Cutting out
underride
protection**

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



Align exhaust end section **1** flush to underside protection **2**.



**Aligning
exhaust
end section**



Operating Instructions for Manual Air Conditioning

Please remove page in case of manual air-conditioning and add it to the vehicle operating instructions.

Note:

We recommend matching the heating time to the driving time.
 Heating time = driving time

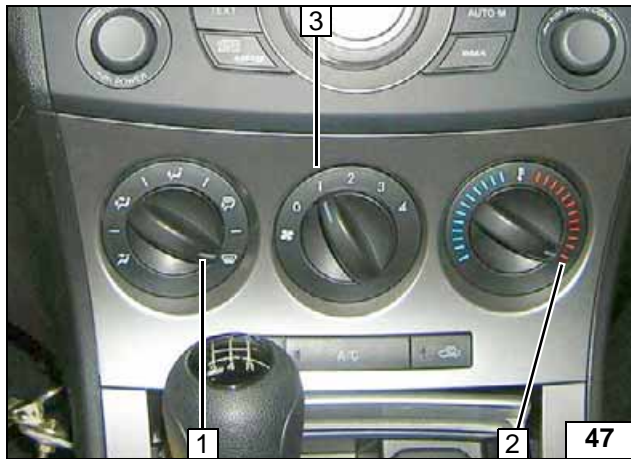
Example:

For a driving time of approx. 20 min. (in one direction), we recommend not exceeding a switch-on time of 20 min.

Passenger compartment monitoring, if installed, must be deactivated in addition to the vehicle settings for the heating operation.

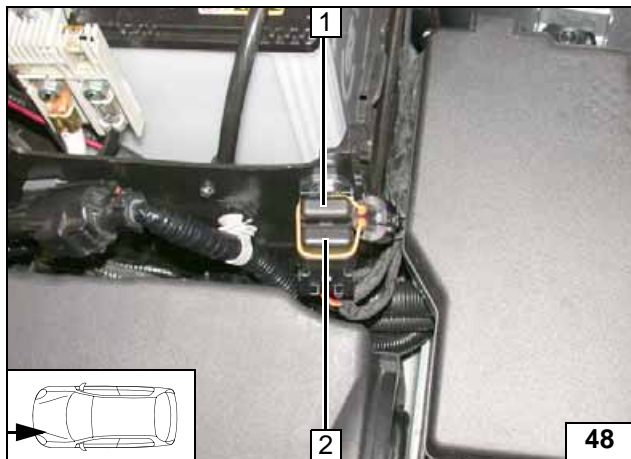
For information on deactivation, please see the vehicle owner's manual.

Before parking the vehicle, make the following settings:



- 1 Air outlet to windscreen
- 2 Set temperature to "max."
- 3 Set fan to level "1" or max. "2"

A/C control panel



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

Fuses of engine compartment



- 1 1A fuse F3 of heater control
- 2 25A fan fuse F4

Fuses of passenger compartment

Mazda 3

Automatic Air Conditioning

Please remove page in case of automatic air-conditioning and add it to the vehicle operating instructions.

Note:

We recommend matching the heating time to the driving time.

Heating time = driving time

Example:

For a driving time of approx. 20 min. (in one direction), we recommend not exceeding a switch-on time of 20 min.

Passenger compartment monitoring, if installed, must be deactivated in addition to the vehicle settings for the heating operation.

For information on deactivation, please see the vehicle owner's manual.

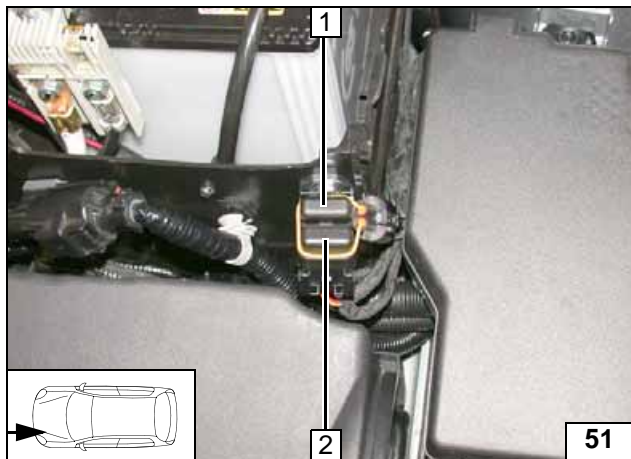
Before parking the vehicle, make the following settings:



- 1 Air outlet to windscreen
- 2 Set temperature on both sides to "29°C"
- 3 Set fan to level "1" or max. "2"

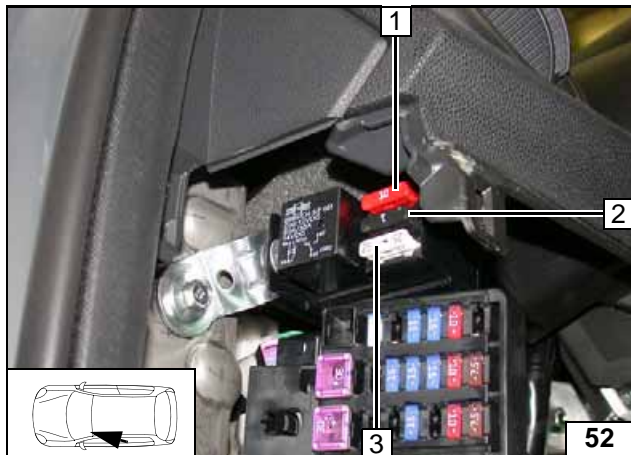


A/C control panel



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

Fuses of engine compartment



- 1 10A additional fuse F5
- 2 1A fuse F3 of heater control
- 3 25A fan fuse F4

Fuses of passenger compartment