



Installation documentation

for Thermo Top Evo water heater

Peugeot 3008 / 5008

Left-hand drive vehicle

Manufacturer	Model	- 71	Model year	EG-BE-No. / ABE
Peugeot	3008 / 5008	М	2017	E2*2007/46*0534*

Motorisation	Fuel	Emission standard		[kW]	Displace- ment [cm³]	Engine code
1.5 HDi	Diesel	Euro 6d Temp	AG	96	1499	YH01

Validity	Equipment variants	Mo	del
		3008	5008
Verified	2 zone automatic air-conditioning	Х	Х
equipment variants	Halogen main headlights	х	Х
	LED main headlights	Х	Х
	LED daytime running lights	Х	Х
	Halogen front fog lights	Х	Х
	LED front fog lights	Х	Х
	Automatic Start-Stop system	Х	Х
	Start button	Х	Х
	Alarm system		Х
Unverified equipment variants	Manual air-conditioning	х	Х
	Alarm system	х	

Total installation time	Note
10.5 hours	

Contents

1	List of abbreviations	3	15	Electrical system of passenger compartment	42
2	Installation notes	4	15.1	Passenger compartment dismantling in-	
2.1	Information on Validity	4		structions	42
2.2	Components used	4	15.2	Installing cold start system	45
2.3	Information on Total Installation Time	4	15.3	Preparing electrical system	45
2.4	Installation recommendations	4	15.4	Wiring diagram	50
3	About this document	5	15.5	Fan controller	52
3.1	Purpose of the document	5	16	Electrical system of control elements	57
3.2	Warranty and liability	5	16.1	MultiControl CAR option	57
3.3	Safety	5	16.2	Telestart option	57
3.4	Using this document	6	16.3	ThermoCall option	58
4	Technical Information	7	17	Final work	59
5	Preparing measures	8	18	Fuelfix template	61
5.1	Vehicle preparation	8	19	Operating instructions	63
5.2	Heater preparation	8	19.1	A/C control panel settings	63
6	Installation overview	9	19.2	Installation location of fuses	63
7	Electrical system of engine compart- ment	10			
7.1	Passenger compartment wiring harness pass through	11			
8	Mechanical system	13			
8.1	Installation location preparation	13			
8.2	Premounting heater	18			
8.3	Heater mounting	20			
9	Fuel	21			
9.1	Routing fuel line	21			
9.2	Installing FuelFix	25			
9.3	Fuel pump connection	29			
10	Combustion air	30			
11	Exhaust part 1	31			
12	Coolant	32			
12.1	Hose routing diagram	32			
12.2	Coolant circuit installation	33			
13	Exhaust part 2	39			
14	Final work for exhaust system	41			

1 List of abbreviations

ASH Spacer bracket

DP Fuel pump

EFIX Exhaust end fastener

FF FuelFix (tank extracting device)

HG Heater

K2 Additional relay

MCC MultiControl (control element)

PWM Pulse width modulator

RSH Relay and fuse holder of passenger compartment

SH2 Engine compartment fuse holder for F1/F2

UP Coolant pump

2 Installation notes

2.1 Information on Validity

This installation documentation applies to vehicles listed on page 1, assuming technical modifications to the vehicle do not affect installation, any liability claims excluded. Depending on the vehicle version and equipment, modifications may be necessary during installation with respect to this installation documentation. Vehicle and engine types, equipment variants and other specifications not listed in this installation documentation have not been tested.

2.2 Components used

Designation	Order number
Basic delivery scope of Thermo Top Evo	In accordance with price list
Set (contains installation kit and cold start kit) for Peugeot 3008 / 5008 1.5 diesel 2017	1327080A
In case of control element, as well as Telestart indicator lamp, in consultation with end customer	In accordance with price list

2.3 Information on Total Installation Time

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

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

2.4 Installation recommendations

Arrange for the vehicle to be delivered with the tank only about 1/4 full.

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

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

3 About this document

3.1 Purpose of the document

This installation documentation is part of the product and contains all the information required to ensure professional vehicle specific installation of the:

Thermo Top Evo heater

3.2 Warranty and liability

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

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

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

Installation should be carried out according to the general, standard rules of technology. Unless specified otherwise, fasten hoses, lines and wiring harnesses to original vehicle lines and wiring harnesses using cable ties. Insulate loose wire ends and tie back. Connectors on electronic components must audibly snap into place during assembly.

Spray unfinished body areas, e.g. drilled holes, with anti-corrosion wax (Tectyl 100K).

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

The initial start-up is to be executed with the Webasto Thermo Test Diagnosis

When installing a programmable control module (e.g. a PWM Gateway), the corresponding settings must be checked or adjusted.

3.2.1 Statutory regulations governing installation

The Thermo Top Evo heater has been type-tested and approved in accordance with ECE-R 10 (EMC) and ECE-R 122 (heater). The regulations of these guidelines are binding in the scope of the Directive 70/156/EEC and/or 2007/46/EC (for new vehicle models from 29/04/2009) and should also be observed in countries in which there are no special regulations.

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

3.3 Safety

Qualifications of installation personnel

The installation personnel must have the following qualifications:

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

Regulations and legal requirements

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

3.3.1 Safety information on installation

Danger posed by live parts

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

Danger of fire and leaking toxic gases due to improper installation

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

Danger due to sharp edges

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

3.4 Using this document

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

Explanatory Notes on the 3.4.1 **Document:**

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

components to be instance.	
Generally valid Webasto documentation	
Vehicle-specific installation documentation	K
Vehicle-specific installation documentation of the cold start kit	M
Webasto Comfort A/C control	H
Webasto Standard A/C control	G
Tank extracting device (e.g. FuelFix)	E
Exhaust end fastener (EFIX)	
Combustion air intake silencer	
Spacer bracket (ASH)	S

Type and source of the risk

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

Actions to protect yourself against risks.



Reference to the vehicle manufacturer's specific docu-



a note on a special technical feature

Work step identification marks 3.4.3

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

Mechanical system	Electrical sys- tem	High-voltage	Coolant
*	-+		
Combustion air	Fuel	Exhaust	Software
m£		₩	

3.4.2 Use of symbols



DANGER

Type and source of the risk

Consequences: Failure to follow the instructions can result in death

Actions to protect yourself against risks.



WARNING

Type and source of the risk

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

Actions to protect yourself against risks.



CAUTION

Type and source of the risk

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

Actions to protect yourself against risks.

3.4.4 **Orientation aid**







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

3.4.5 Use of highlighting

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

1327079B_EN 02/05/2019 Peugeot 3008 / 5008 6

4 Technical Information

Dimension specifications

- All dimensions specified in mm
- Perforated brackets and mounting angles are shown to scale
- Observe data regarding scale on the templates

Tightening torque specifications

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

Specified temperature for fabric heat shrink tubing

- Shrink temperature max. 230°C

Necessary special tools

- Hose clamp pliers for auto-tightening hose clamps
- Hose clamp pliers for Clic hose clamps of type W
- Hose clamping pliers
- Hose cutter
- Automatic wire stripper 0.2 6 mm²
- Crimping pliers for cable lugs 0.5 10 mm²
- Crimping pliers for male connector 0.14 6 mm²
- Crimping pliers for connector 0.25 6 mm²
- Torque wrench for 2.0 10 Nm
- Deep-hole marker
- Metric thread-setter kit
- Webasto Thermo Test Diagnosis with current software

5 Preparing measures

5.1 Vehicle preparation



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

Vehicle area	Components to be removed	Other applicable documents
General	▶ Open the fuel tank cap	K
	► Ventilate the fuel tank	
	► Close the fuel tank cap again	
	▶ Depressurise the cooling system	
Engine	▶ Battery and battery carrier	KM
compart- ment	► Engine control unit	
and	► Engine compartment fuse and relay box cover	
body	► Air filter box	
	► Front wheel on the driver's side	
	▶ Detach the wheel well trim in the front on the driver's side	
	► Engine underride protection	
	► Underride protection at the back on the front passenger's side	
	► Horn	
Passenger compart-	► Instrument panel part as per the dismantling instructions for the electrical system in the passenger compartment	KM
ment	▶ Detach the rear seat and fold it up	
	▶ In case of a 7-seater, the rear middle seat	
	► Tank fitting service lid	

5.2 Heater preparation

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

6 Installation overview

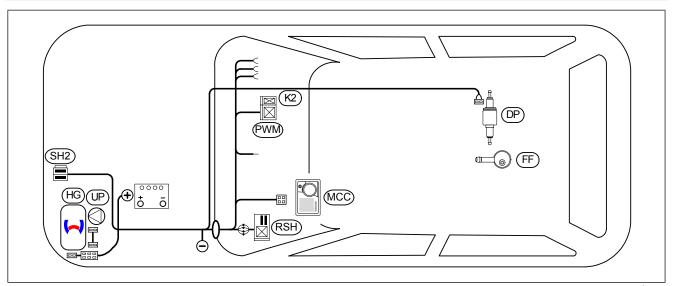
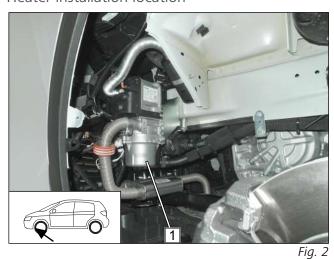


Fig. 1

Legend to installation overview

Abbreviation	Component
DP	Fuel pump
FF	FuelFix
HG	Heater
K2	Additional relay
MCC	MultiControl CAR
PWM	PWM Gateway
RSH	Relay and fuse holder of passenger compartment
SH2	Fuse holder of engine compartment
UP	Coolant pump

Heater installation location

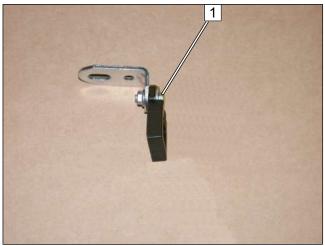


1 Heater



7 Electrical system of engine compartment

Premounting retaining plate of SH2



1 M5x16 bolt, large diameter washer, retaining plate of SH2, angle bracket, large diameter washer, nut

Fig. 3

Mounting SH2

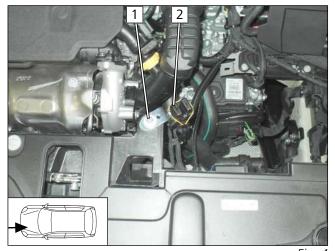


Fig. 4

- 1 M6x20 bolt, large diameter washer, premounted angle bracket, original vehicle hole, flanged nut
- 2 Premounted SH2

Routing wiring harnesses

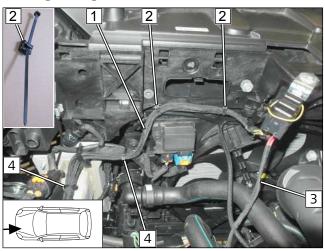
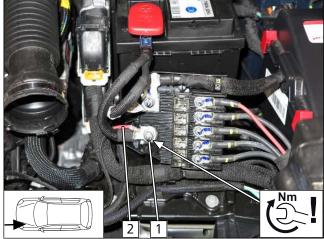


Fig. 5

- 1 Earth wire and wiring harnesses of heater, passenger compartment and control element
- **2** Edge clip cable tie
- **3** Positive wire
- 4 Cable tie



Mounting positive wire



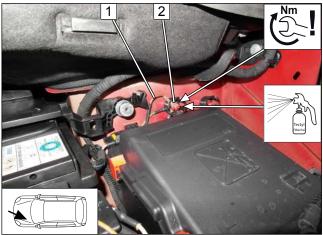
DANGER

Fire hazard due to insufficient tightening torque

- ► Observe tightening torque
- 1 Original vehicle positive point
- **2** Positive wire

Fig. 6

Mounting earth wire





DANGER

Fire hazard due to insufficient tightening torque

- ► Observe tightening torque
- **1** Earth wire
- **2** Original vehicle earth point

Fig. 7

7.1 Passenger compartment wiring harness pass through

Removing insulation

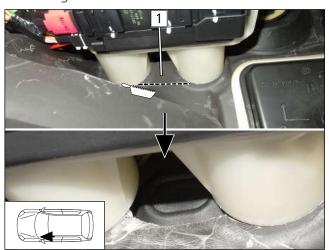
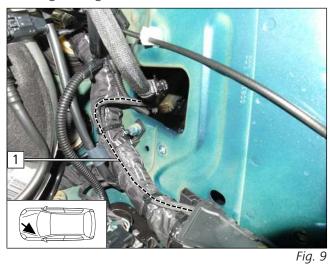


Fig. 8

► Cut the insulation 1 at the marking and fold it up.



Routing wiring harness



► Route the heater and control element wiring harness
1 in the engine compartment and fasten with cable tie.



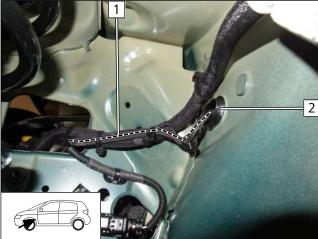


Fig. 10

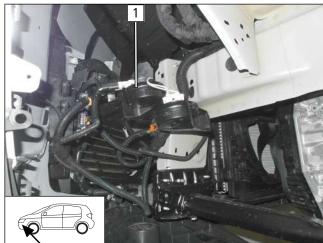
▶ Route heater and control element wiring harness 1 in the wheel-well inner panel through protective rubber plug 2 into the passenger compartment.



8 Mechanical system

8.1 Installation location preparation

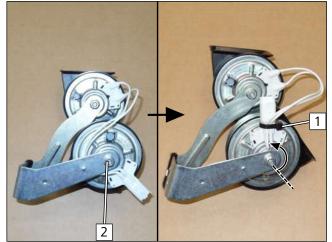
Removing horn



▶ Remove horns 1 with bracket. Original vehicle nut will be reused.

Fig. 11

Turning horns



- ▶ Unscrew the horn at position 2 and turn it and screw it back on as shown.
- ▶ Secure the line using cable tie 1.

Fig. 12

Installing horns

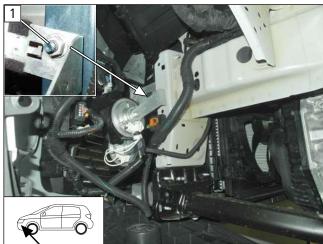
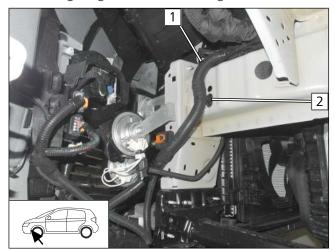


Fig. 13

1 Original vehicle stud bolt, horns bracket, original vehicle flanged nut



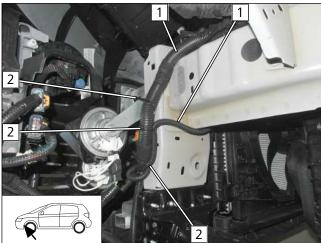
Loosening original vehicle wiring harness



▶ Detach original vehicle wiring harness 1 at pos. 2. Discard clip.

Fig. 14

Fastening original vehicle wiring harness



► Fix original vehicle wiring harness 1 using cable tie 2.

Fig. 15

Preparing bracket

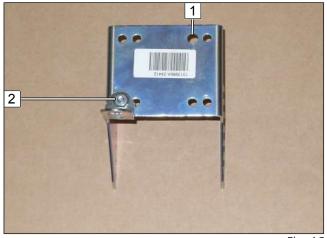
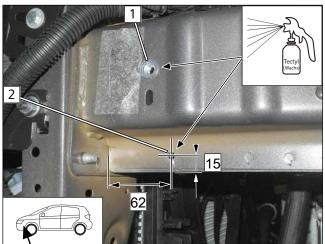


Fig. 16

- 1 Drill hole to Ø8.5
- 2 M6x16 bolt, bracket, angle bracket, flanged nut



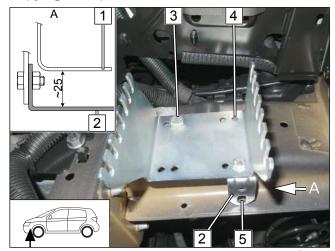
Inserting rivet nut



- 1 Drill out hole to Ø12.5, M8 rivet nut
- 2 Ø7 hole for coolant pump

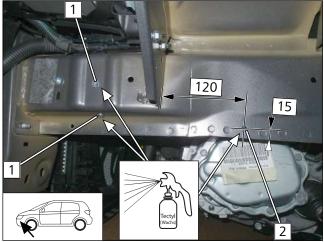
Fig. 17

Copying hole pattern



- ▶ Align bracket as show in the figure.
 - 1 Vehicle carrier
 - 2 Angle bracket premounted
 - **3** M8x25 bolt
 - 4 Copy hole pattern
 - **5** Copy hole pattern

Drilling holes, inserting rivet nuts



- 1 Ø9 hole, M6 rivet nut
- **2** Ø7 hole

Fig. 19



Preparing perforated bracket

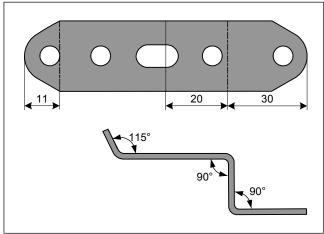


Fig. 20

Premounting exhaust silencer

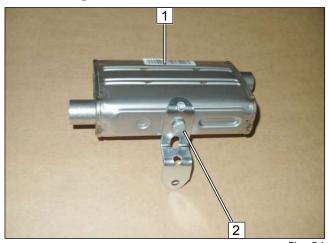


Fig. 21

- 1 Exhaust silencer
- 2 M6x16 bolt, spring lockwasher, perforated bracket

Mounting exhaust silencer

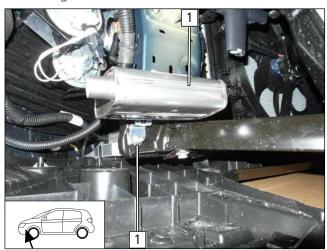


Fig. 22

- 1 Exhaust silencer
- 2 Original vehicle bolt, flanged nut



Mounting coolant pump

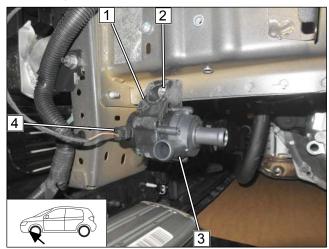
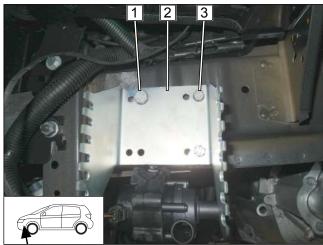


Fig. 23

- 1 Coolant pump mount
- 2 M6x25 bolt, flanged nut
- 3 Coolant pump
- **4** Coolant pump wiring harness connector

Mounting bracket



Fia 24

- 1 M8x25 bolt, spring lockwasher, 5 spacer premounted loosely
- **2** Bracket
- **3** M6x25 bolt, spring lockwasher, 5 spacer premounted loosely

Mounting bracket

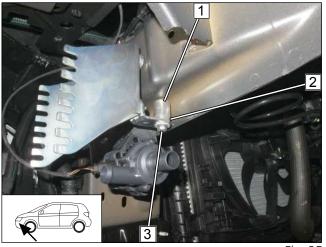


Fig. 25

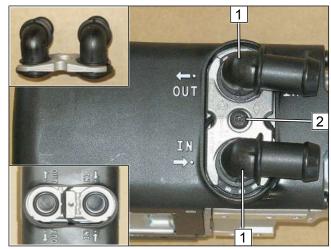


- ► Align bracket and tighten all screw connections.
- 1 20 spacer
- 2 5 spacer
- 3 M6x40 bolt, spring lockwasher, large diameter washer



8.2 Premounting heater

Mounting water connection piece

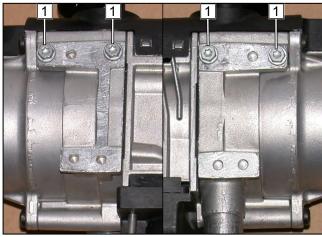


Observe the general installation instructions of the heater.

- 1 Water connection piece, sealing ring
- **2** 5x15 self-tapping bolt, water connection piece retaining plate

Fig. 26

Premounting bolts



► Screw 5x13 self-tapping bolt 1 in available holes by a max. of 3 thread turns.

Fig. 27

Cutting hoses to length

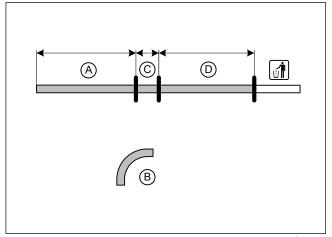
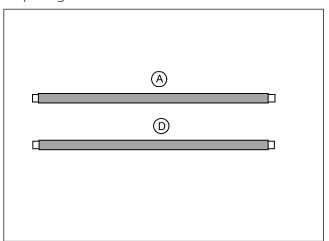


Fig. 28

- **A** 830
- **B** 90°, Ø18
- **(C)** 70
- **D** 910



Preparing hoses



▶ Slide fabric heat shrink tubing onto hoses **(A)** and **(D)**, cut to length and shrink.

Fig. 29

Premounting hoses

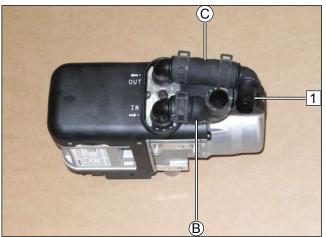


Fig. 30

Mounting combustion air and fuel line

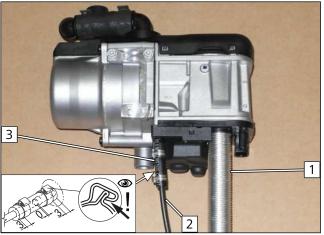


Fig. 31

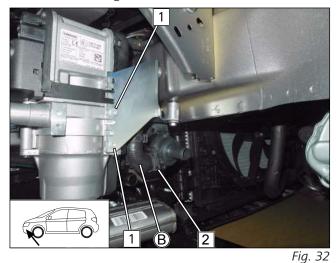
- ► All spring clips, Ø25
 - 1 Ø18x18 / 90° connecting pipe

- 1 Combustion air pipe
- **2** Fuel line
- **3** Hose section, Ø10 clamp [2x]



8.3 Heater mounting

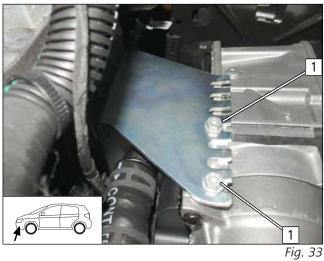
Heater mounting





Observe the general installation instructions of the heater.

- ► Tighten 5x13 self-tapping bolt 1.
- ► Slide hose **B** onto the coolant pump output and fasten with Ø25 spring clip **2**.



32

► Tighten 5x13 self-tapping bolt 1.

Mounting wiring harnesses

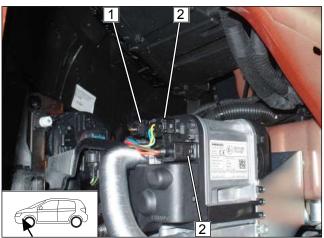


Fig. 34

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



9 Fuel



DANGER

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

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

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



Danger of damage to components

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

Dismantling fuel pump connector X7

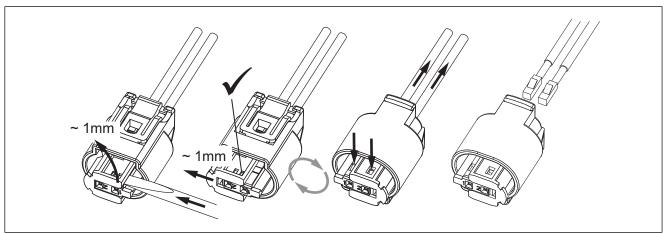


Fig. 35

9.1 Routing fuel line

Connection to heater

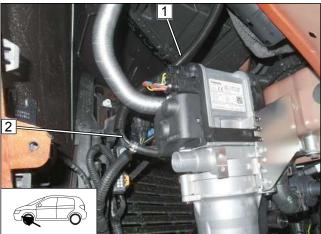


Fig. 36

▶ Draw fuel line and fuel pump wiring harness 2 into Ø10 corrugated tube 1 and route into the engine compartment.



Routing in engine compartment

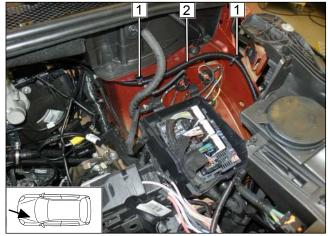


Fig. 37

- **1** Edge clip cable tie
- **2** Fuel line and fuel pump wiring harness in corrugated tube

Routing in engine compartment

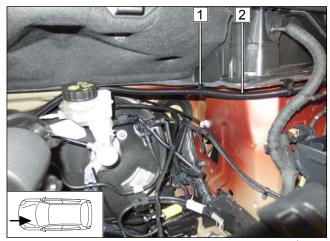


Fig. 38

- **1** Edge clip cable tie
- **2** Fuel line and fuel pump wiring harness in corrugated tube

Routing in engine compartment

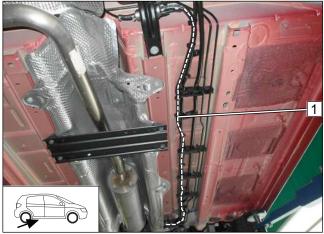


Fig. 39

▶ Route fuel line and wiring harness of DP in corrugated tube 1 behind the insulation mat to the right side of the vehicle and further to the underbody.



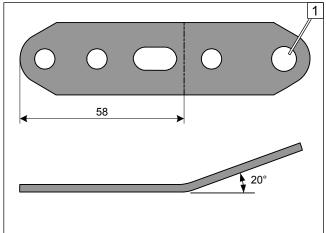
Routing on underbody



▶ Route fuel line and fuel pump wiring harness 1 on underbody along original vehicle fuel line to DP installation location.

Fig. 40

Bending perforated bracket at an angle



1 Enlarge hole to Ø8.5

Fig. 41

Premounting fuel pump

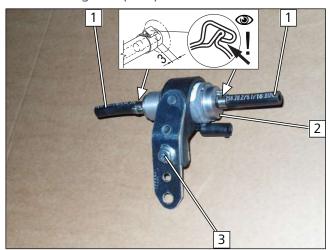


Fig. 42

- 1 Hose section, Ø10 clamp
- **2** Fuel pump
- 3 M6x25 bolt, perforated bracket, fuel pump mount, support angle bracket, flanged nut



Mounting fuel pump

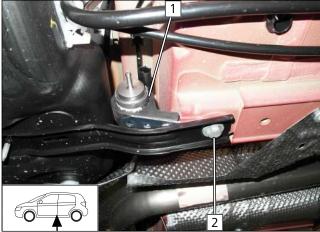


Fig. 43

1 DP premounted 2 Original vehicle bolt

Assembling fuel pump connector X7

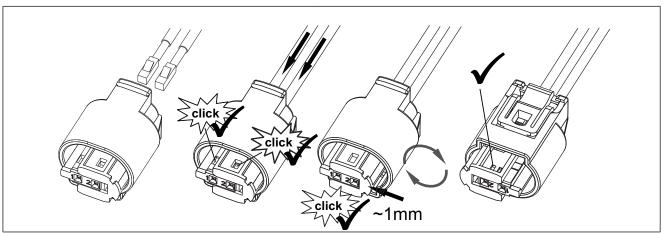


Fig. 44

Fuel pump connection

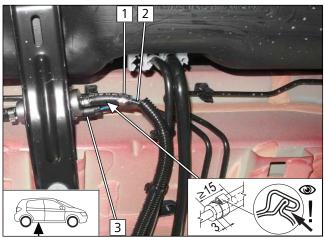


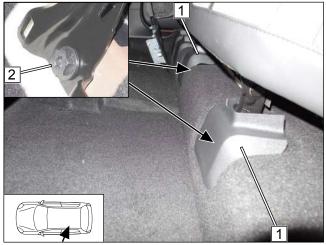
Fig. 45

- 1 Ø10 clamp
- 2 HG fuel line
- 3 Fuel pump wiring harness, X7 connector moun-

1327079B_EN 02/05/2019 Peugeot 3008 / 5008 24



Loosening rear seat



- Cap
 Rem
- **2** Remove [2x] original vehicle bolts

Fig. 46

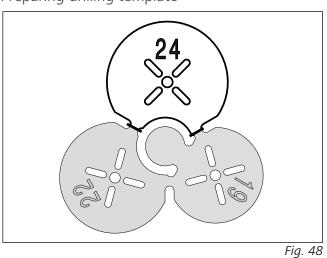
Uncovering service lid



- 1 Fold up rear seat
- 2 Open insulation mat

9.2 Installing FuelFix

Preparing drilling template



▶ Bend Ø19 and Ø22 up by 90°.



Copy hole pattern

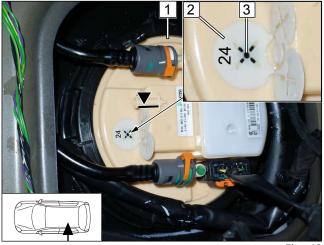


Fig. 49

8

The installation of the FuelFix is shown on a tank fitting with part number **98 093 589 80**, but the instructions apply also to tank fittings with part number **98 093 588 80**.



Observe the installation instructions of the tank extracting device.

- ► Work steps F1, F2
 - 1 Tank fitting
 - **2** Position Ø24 drilling template as shown
 - **3** Hole pattern

Hole for FuelFix

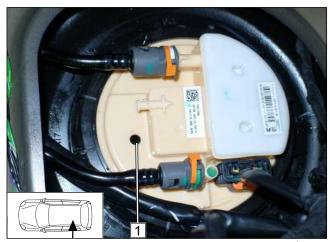


Fig. 50

DANGER

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

- ► Work step F3
 - 1 Hole made with provided drill

Inserting FuelFix

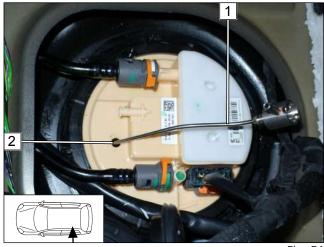


Fig. 51

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



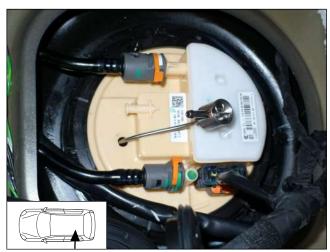


Fig. 52



Fig. 53



Fig. 54



Aligning FuelFix

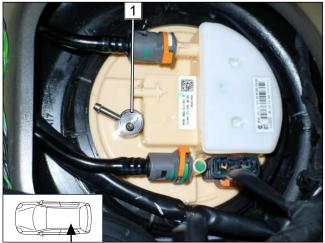


Fig. 55

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

Connecting fuel line

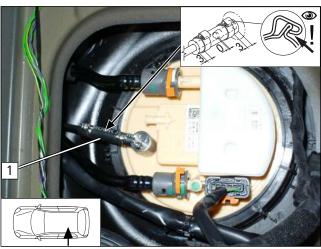


Fig. 56

► Work step F6

1 Hose section, Ø10 clamp [2x]

Mounting FuelFix

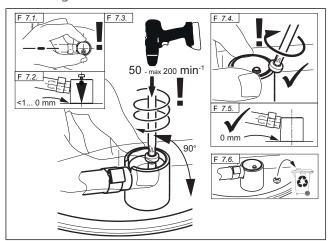


Fig. 57

DANGER

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

► Work step F7

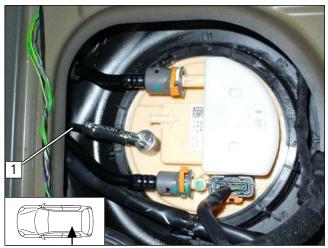


Checking firm seating of FuelFix



► Work step F8

Securing fuel line



▶ Attach fuel line 1 using a cable tie in a suitable location for tension relief.

Fig. 59

9.3 Fuel pump connection

Connecting fuel line of FuelFix

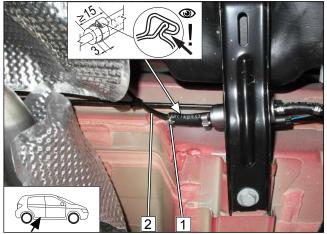


Fig. 60



Danger of damage to components Attach corrugated tube to original vehicle lines using cable ties.

- 1 Ø10 clamp
- **2** Fuel line of FuelFix



10 Combustion air

Detaching original vehicle connector



Fig. 61

Fastening original vehicle connector

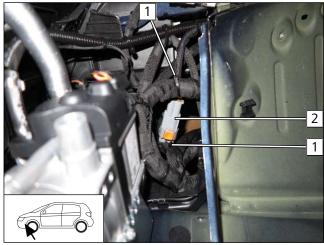


Fig. 62

- 1 Cable tie
- **2** Original vehicle connector

1 Original vehicle connector2 Discard retaining clip

Mounting combustion air intake silencer



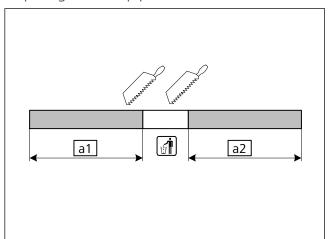
Fia 63

- Observe the installation instructions of the combustion air intake silencer.
- 1 Ø51 clamp, M5x16 bolt, original vehicle hole, nut
- 2 Silencer



11 Exhaust part 1

Preparing exhaust pipe



a1 300a2 260

Fig. 64

Mounting exhaust pipe and ASH

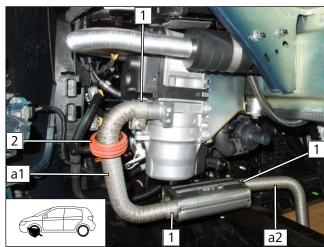


Fig. 65

- 1 Hose clamp
- **2** ASH



12 Coolant

12.1 Hose routing diagram

'Inline' coolant circuit

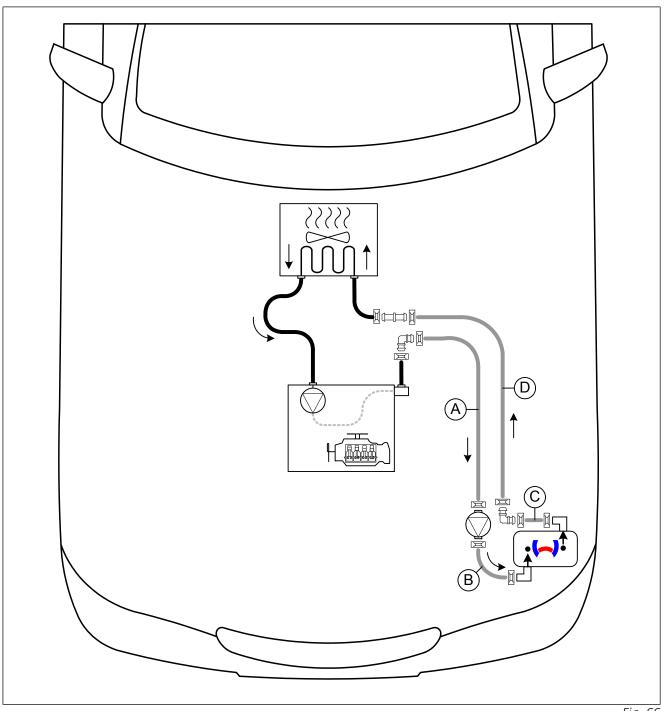


Fig. 66

All spring clips = Ø25

All connecting pipe $\Box\Box$ or $\stackrel{\Box}{=}$ = Ø18x18



12.2 Coolant circuit installation

Preparing perforated bracket 1

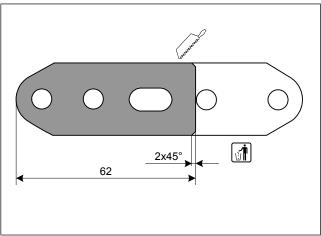
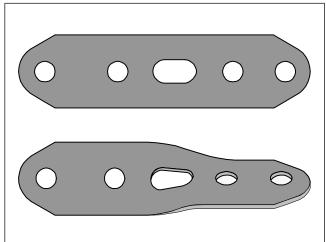


Fig. 67

Preparing perforated bracket 2



► Twist perforated bracket 45°.

Fig. 68

Premounting perforated bracket 2

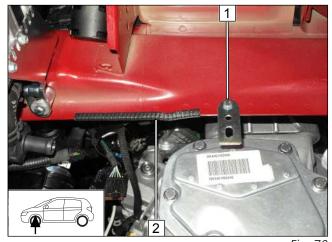


Fig. 69

1 M6x20 bolt, perforated bracket 2, Ø38 rubbercoated p-clamp, lock washer



Mounting perforated bracket 1

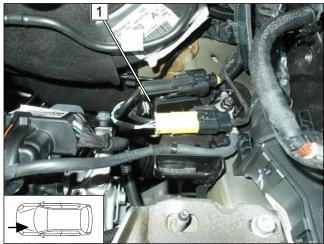


1 M6x16 bolt, perforated bracket, flanged nut

2 200 long edge protection

Fig. 70

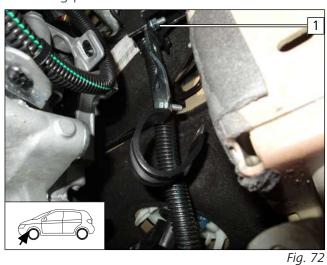
Loosening original vehicle wiring harness



▶ Disconnect original vehicle wiring harness 1. It will be connected later in a suitable location with cable ties.

Fig. 71

Mounting perforated bracket 2



1 M6x20 bolt, premounted perforated bracket 2, original vehicle hole, flanged nut

1327079B_EN 02/05/2019 Peugeot 3008 / 5008 34



Fastening original vehicle wiring harness

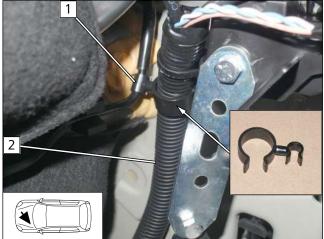
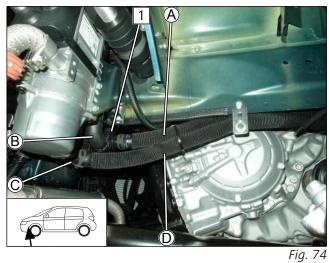


Fig. 73

- 1 4x24 hose bracket
- **2** Original vehicle wiring harness

Connecting heater



► Connect hose **(A)** to coolant pump **(1)**. Connect hose **(C)** and **(D)**.

Routing to the engine compartment

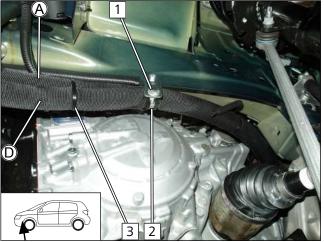
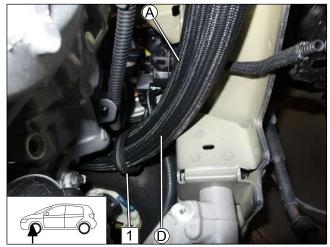


Fig. 75

- 1 M6x16 bolt, large diameter washer, flanged nut
- 2 Ø38 rubber-coated p-clamp
- **3** Cable tie

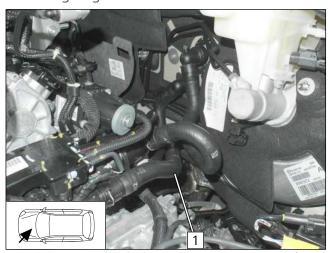




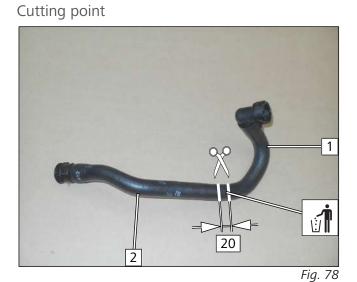
▶ Route hoses (A) and (D) through Ø38 rubber-coated p-clamp (1), close the pipe clamp and fasten with flanged nut.

Fig. 76

Removing original vehicle hose



1 Engine outlet / heat exchanger inlet hose



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



Premounting hose sections

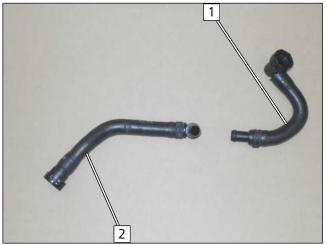


Fig. 79

Connecting heat exchanger inlet

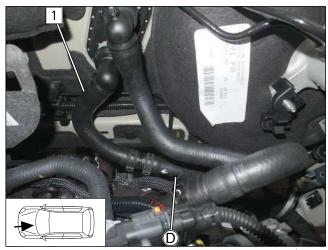


Fig. 80

Connecting engine outlet

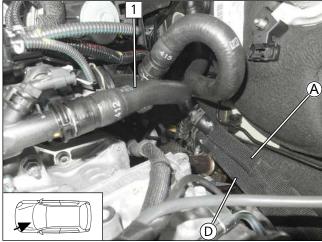


Fig. 81

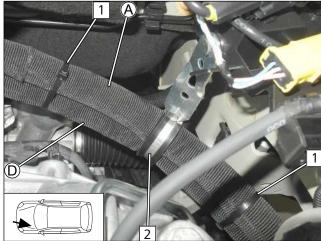
- 1 Heat exchanger inlet hose section
- **2** Engine outlet hose section

1 Heat exchanger inlet hose section

1 Engine outlet hose section



Fastening hoses (A) and (D)

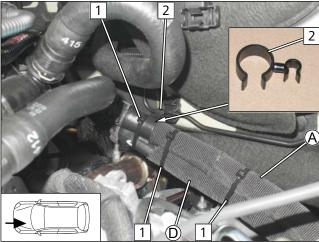


!

Danger of damage to components

- ► Ensure sufficient distance from neighbouring components, correct if necessary.
- ► Close rubber-coated p-clamp 2 and fix with flanged nut.
 - 1 Cable tie





Fia. 83



Danger of damage to components

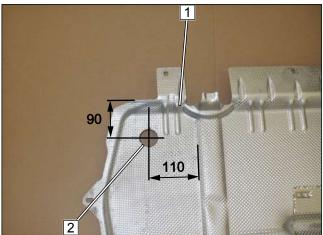
- ► Ensure sufficient distance from neighbouring components, correct if necessary.
- 1 Cable tie
- **2** 4x24 hose bracket on hose **(A)** and original vehicle brake line



39

13 Exhaust part 2

Drilling hole





E

Observe the EFIX installation instructions.

- ► Work step E1
 - 1 Underride protection
 - 2 Hole

Copying hole pattern, drilling hole

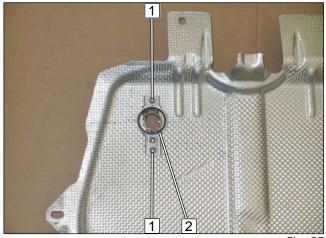


Fig. 85

► Work steps E3, E4

- 1 Hole pattern, hole
- **2** EFIX

Mounting EFIX



Fig. 86

► Work step E5

1 5x13 self-tapping screw



Mounting exhaust pipe **a2** in EFIX

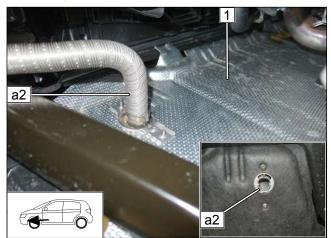


Fig. 87

- ► Work steps E6-8
- ► Mount underride protection 1.



14 Final work for exhaust system

Sticking on heat protection film



► Cut the heat protection film 2 in half and stick on wheel-well inner panel 1 as shown.

Fig. 88

Checking distance

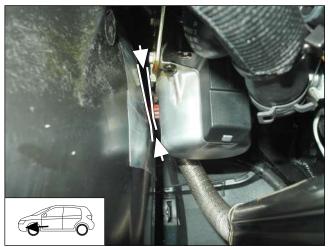


Fig. 89

► Mount wheel-well inner panel.



Danger of damage to components

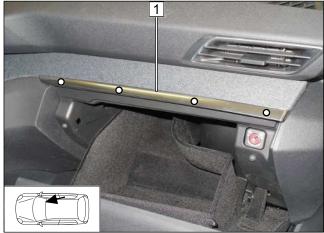
► Ensure sufficient distance from neighbouring components, correct if necessary.



Electrical system of passenger compartment 15

15.1 **Passenger compartment dismantling instructions**

Removing trim strip

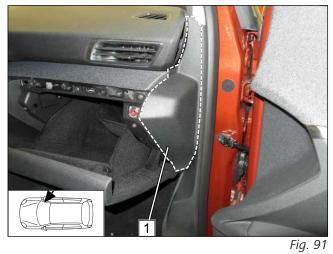


- 1 Trim strip (attached with clips)
- Attachment points

Fig. 90

Removing side trim

Removing footwell trim



1 Side trim on the right

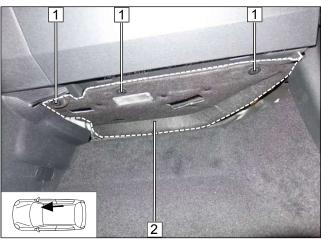


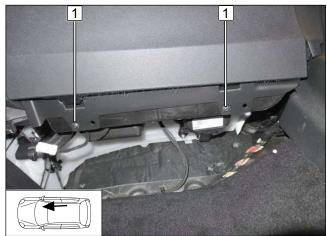
Fig. 92

- 1 Original vehicle plug
- **2** Right footwell trim

1327079B_EN 02/05/2019 Peugeot 3008 / 5008 42

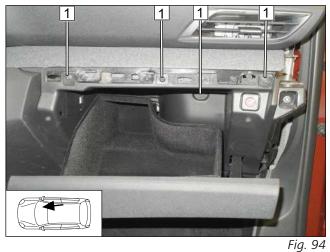


Removing glove box

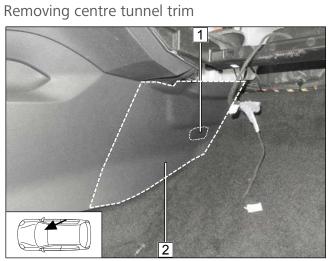


1 Loosen original vehicle bolts

Fig. 93



▶ Loosen original vehicle bolt **1** and remove glove box.



- ▶ Remove cap **1** and original vehicle bolt.
 - **2** Centre tunnel trim on the right

Fig. 95



Removing trim

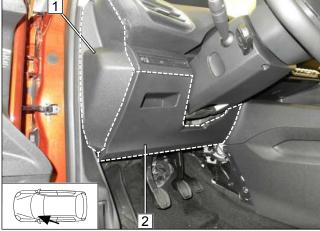


Fig. 96

2 Instrument panel trim

1 Side trim on the left

Removing footwell trim

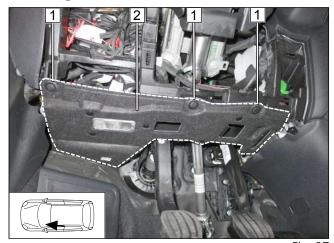


Fig. 97

- 1 Original vehicle plug
- **2** Left footwell trim

Removing centre tunnel trim

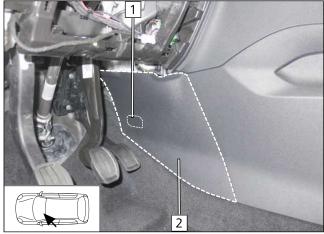


Fig. 98

- ▶ Remove cap **1** and original vehicle bolt.
 - **2** Centre tunnel trim on the left

1327079B_EN 02/05/2019 Peugeot 3008 / 5008 44



15.2 Installing cold start system



Integrate the cold start system as per the separate installation documentation 'Cold start for PSA petrol / diesel'.

15.3 Preparing electrical system

Assigning, preparing wires

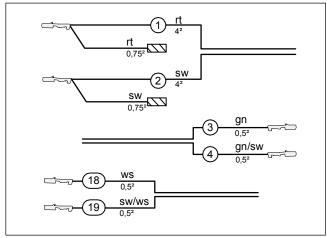


Fig. 99

(8)

Wire sections retain their numbering in the entire document.

- 1 Red (rt) wire of fan wiring harness
- 2 Black (sw) wire of fan wiring harness
- 3 Green (gn) wire from wiring harness of PWM control
- Green/black (gn/sw) wire from wiring harness of PWM control
- **18** White (ws) wire of isolating relay wiring harness
- **19** Black/white (sw/ws) wire of isolating relay wiring harness

Assigning wires

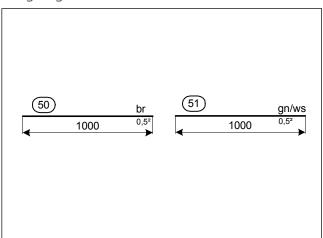
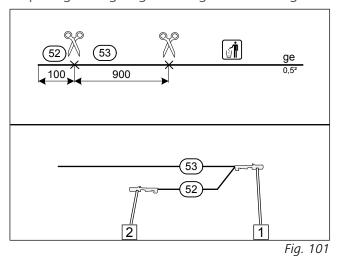


Fig. 100



Preparing / assigning / cutting wires to length



- 1 4.8 blade receptacle
- **2** 6.3 blade receptacle

Connecting wires in RSH

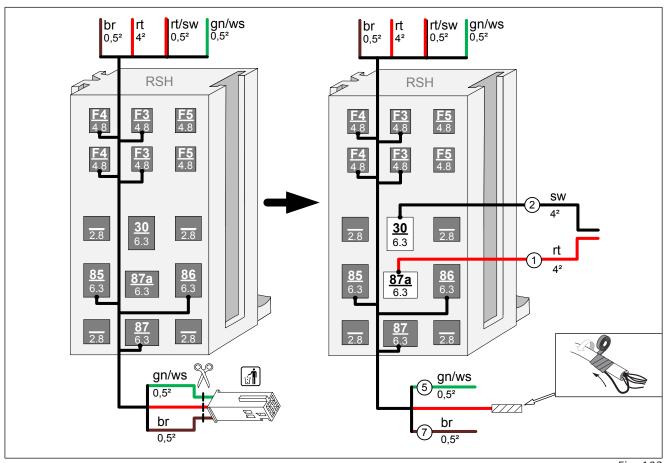
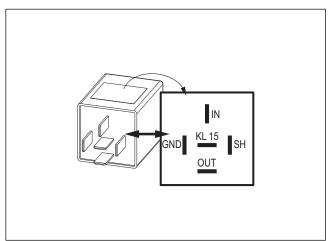


Fig. 102



View of PWM GW



► Check PWM GW settings when starting up the heater and adjust if necessary.

Parameters	Setting
Duty cycle	70%
Frequency	400Hz
Voltage	not relevant
Function	Low side

Fig. 103

Connecting / assigning wires to PWM GW socket

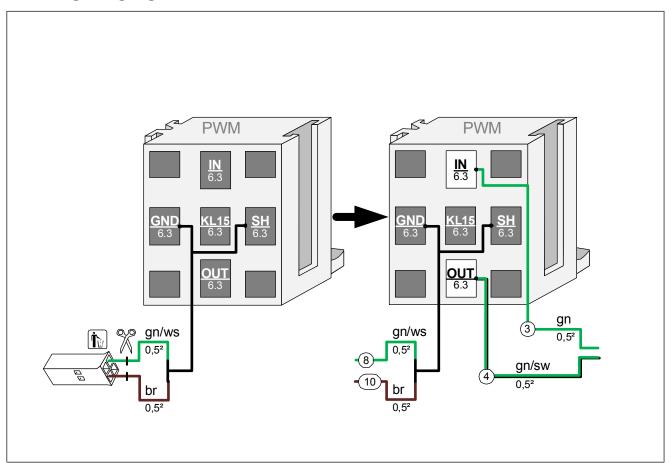


Fig. 104



Connecting wires to K2 relay socket

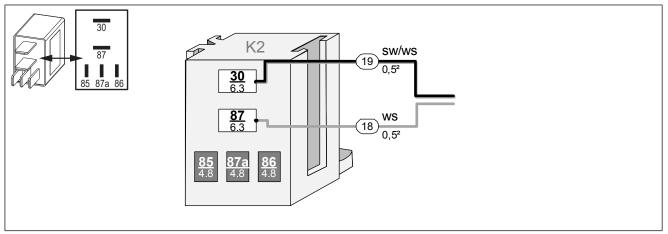


Fig. 105

Assembling K2 relay socket and PWM GW, connecting wires

▶ Draw wires **50**, **51** and **53** into provided protective sleeving.

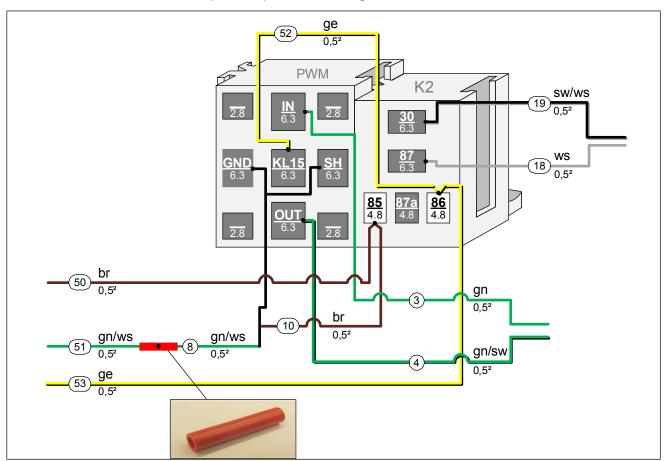


Fig. 106



Premounting K2 relay and PWM GW

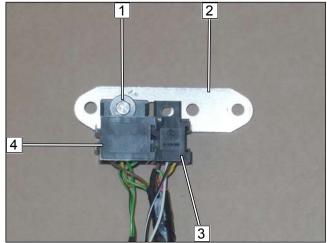


Fig. 107

- 1 M5x16 bolt, large diameter washer [2x], nut
- **2** Perforated bracket
- **3** Relay K2 socket
- 4 PWM GW socket

Mounting PWM GW

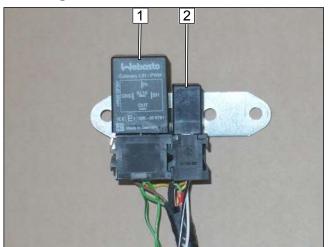


Fig. 108

- 1 PWM GW
- 2 Relay K2



15.4 Wiring diagram

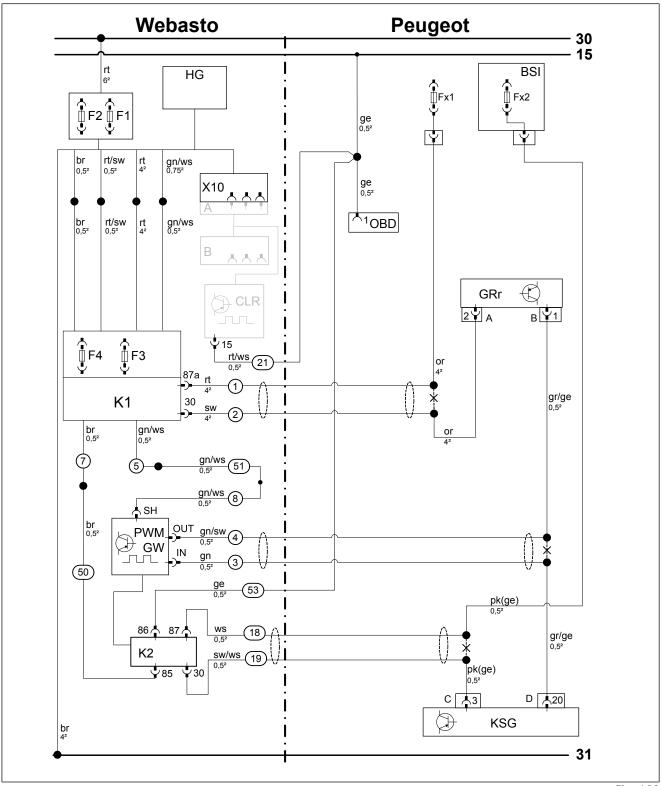


Fig. 109



Legend to wiring diagram



The vehicle connector and component designations are freely chosen by Webasto. Cable colours may vary.

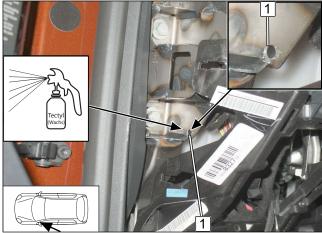
Vehicle components		Symbols	
Abbreviation	Component	Abbreviation	Designation
BSI	Passenger compartment central electrical box	×	Cutting point
Fx1	Fuse		
Fx2	Fuse		
GRr	Fan controller		
А	2-pin GRr connector		
В	2-pin GRr connector		
OBD	OBD socket outlet		
KSG	Air-conditioning control unit		
С	6-pin KSG connector		
D	40-pin KSG connector		

Webasto components			Cable colours	
Abbreviation	Component	Abbreviation	Colour	
А	Male plug for CLR module wiring harness	bg	beige	
В	Female plug for CLR module wiring harness	bl	blue	
С	Male plug for adapter wiring harness	br	brown	
D	Female plug for adapter wiring harness	dbl	dark blue	
E	Male plug for Plug&Play wiring harness	dgn	dark green	
F	Female plug for Plug&Play wiring harness	ge	yellow	
CCL GW	CAN CAN LIN Gateway	gn	green	
CL GW	CAN LIN Gateway	gr	grey	
CLR	Cold start module	hbl	light blue	
D1	Diode	hgn	light green	
D2	Diode group	or	orange	
F0	Additional fuse for power supply	pk	pink	
F1	Heater main fuse	rt	red	
F2	Passenger compartment fan controller main fuse	sw	black	
F3	Control element fuse	vi	violet	
F4	Fan controller fuse	ws	white	
F5	Additional fuse			
HG	Heater TT-Evo			
K1	Relay K1			
K2	Relay K2			
K3	Relay K3			
LIN GW	LIN Gateway			
PWM GW	Pulse width modulator gateway			
RSH	Relay and fuse holder of passenger compartment			
RTD	Temperature sensor			
X10	Female plug for control element			
Υ	Power adapter			



15.5 Fan controller

RSH hole



1 Ø5.5 hole

Fig. 110

Assembling RSH and CLR module sockets

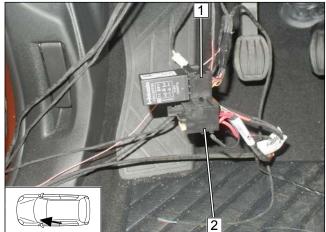


Fig. 111

Mounting RSH

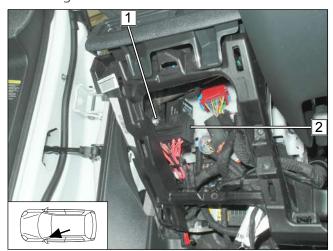


Fig. 112

- 1 CLR module socket
- **2** RSH socket

- 1 M5x16 bolt, large diameter washer, drilled hole, large diameter washer, nut
- 2 RSH



Mounting relay K1 and fuse F4

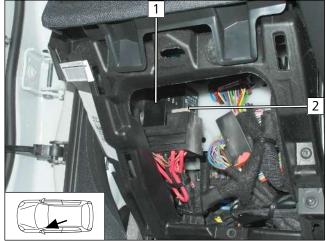


Fig. 113

Connecting same colour wires of wiring harnesses

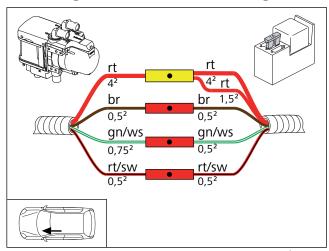


Fig. 114

Mounting K2 and PWM module

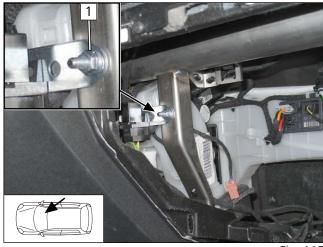


Fig. 115

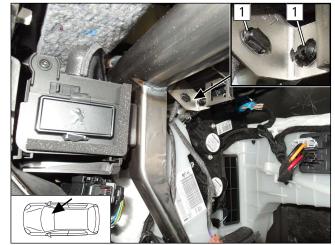
1 Relay K1

2 Fuse F4: 25A

Version 1

1 M6x20 bolt, original vehicle hole, perforated bracket, flanged nut





Version 2

▶ Loosen original vehicle clip-type cable tie 1.



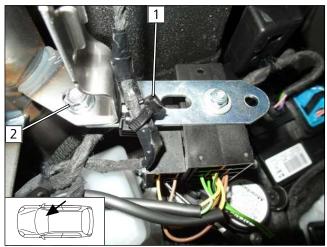


Fig. 117

- 2 M6x20 bolt, large diameter washer, perforated bracket, original vehicle hole, flanged nut
- ► Fasten original vehicle wiring harness with edge clip cable tie 1.



Connecting line to RSH wiring harness



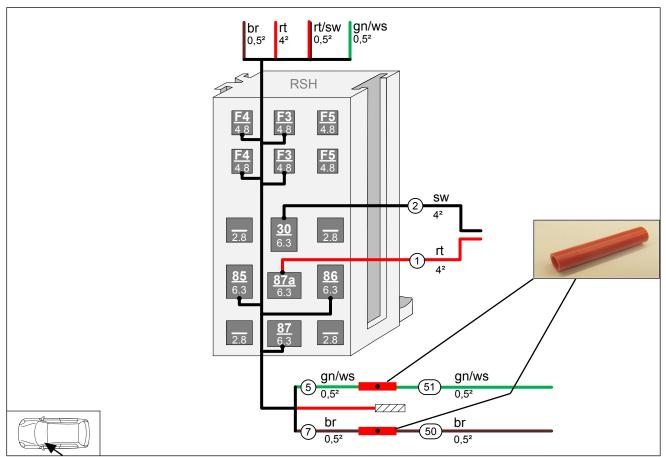


Fig. 118

Connecting fan controller

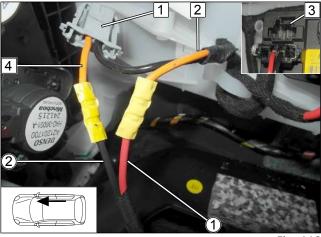


Fig. 119

- 1 2-pin connector A of fan controller
- 2 Orange (or) wire from Fx1 fuse
- 3 Slot A
- 4 Orange (or) wire from connector A/pin 2
- 1 Red (rt) wire of fan wiring harness
- 2 Black (sw) wire of fan wiring harness



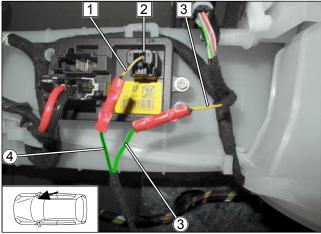


Fig. 120

- 1 Grey/yellow (gr/ge) wire from connector B/pin 1
- **2** 2-pin connector B of fan controller
- **3** Grey/yellow (gr/ge) wire from connector D/pin 20
- 3 Green (gn) wire from wiring harness of PWM control
- Green/black (gn/sw) wire from wiring harness of PWM control

Connection to air-conditioning control unit

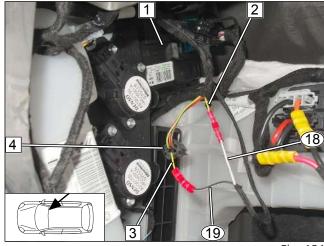


Fig. 121

- **1** Air-conditioning control unit
- 2 Pink (pk/ge) wire from Fx2 fuse
- 3 Pink (pk/ge) wire from C connector/pin 3
- 4 6-pin C connector of air-conditioning control unit
- **18** White (ws) wire of isolating relay wiring harness
- **19** Black/white (sw/ws) wire of isolating relay wiring harness

Connection to OBD socket outlet

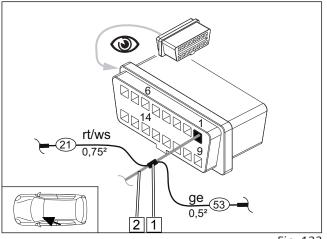


Fig. 122

- ▶ Remove OBD socket outlet from bracket.
 - 1 Crimp and shrink butt connector
 - 2 Yellow (ge) wire from OBD/pin 1
 - 21) Red/white (rt/ws) wire from CLR module/ 15
 - 53 Yellow (ge) wire from K2 relay/86



16 Electrical system of control elements

16.1 MultiControl CAR option

Mounting MultiControl CAR





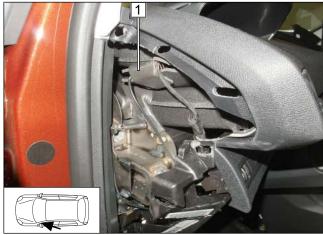
Observe the MultiControl CAR installation documentation.

1 Installation frame

Fig. 123

16.2 Telestart option

Mounting receiver





Observe the Telestart installation documentation.

▶ Fasten the receiver using suitable means 1 as shown.

Fig. 124

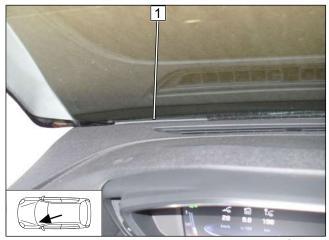
Mounting temperature sensor, only in case of T100 HTM



► Fasten the temperature sensor at position 1 using a cable tie.



Mounting aerial



1 Aerial

Fig. 126

16.3 ThermoCall option

Mounting receiver

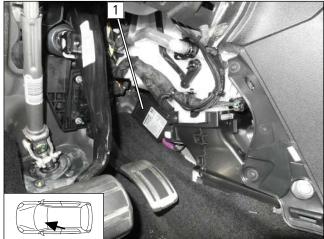


Fig. 127

Mounting aerial (optional)

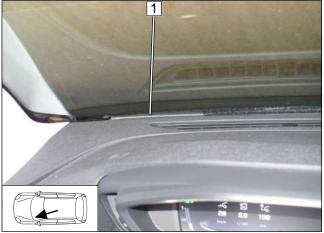


Fig. 128

Observe the ThermoCall installation documentation.

► Fasten receiver 1 using double-sided adhesive tape.

1 Aerial



Final work 17



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



▶ Mount removed parts in reverse order.



- ▶ Check all hoses, clamps and all electrical connections for firm seating.
- ► Insulate and tie back loose lines
- ▶ Spray heater and electrical components with anti-corrosion wax (Tectyl 100K).
- ► Connect the battery.





Only use manufacturer-approved coolant.

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

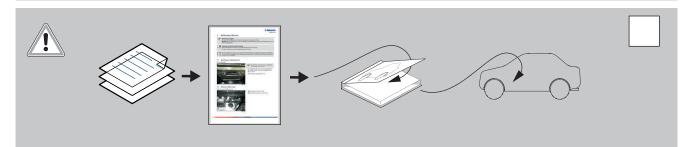




Further information can be found in the general installation and operating instructions of the Webasto components.



- ▶ Program MultiControl CAR, teach Telestart transmitter
- ▶ See general heater installation instructions for notes on initial start-up and function check
- ▶ Make settings on A/C control panel according to the 'Operating Instructions'
- ▶ Affix 'Switch off parking heater before refuelling' caution label in area of filler point



These are the original instructions. The German language is binding.

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

Webasto Thermo & Comfort SE Postfach 1410 82199 Gilching Germany

Company address: Friedrichshafener Str. 9 82205 Gilching Germany

Technical Extranet: https://dealers.webasto.com

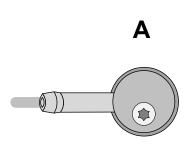


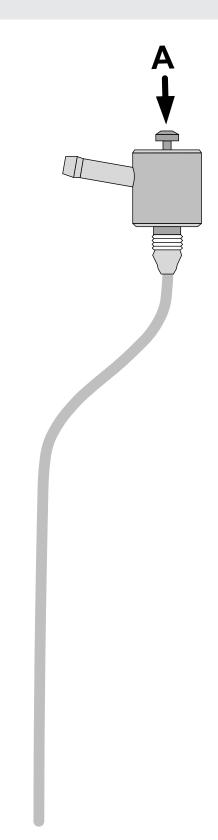
WWW.WEBASTO.COM

60 Peugeot 3008 / 5008



18 Fuelfix template





100mm

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

Peugeot 3008 / 5008 02/05/2019 1327079B_EN 61

100mm

62 Peugeot 3008 / 5008



19 Operating instructions



Information regarding the heating time:

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.



Vehicles with passenger compartment monitoring:

Further information can be found in the vehicle operating instructions.

▶ Deactivate passenger compartment monitoring for the heating operation



Note for parking heater function

Your vehicle is equipped with a passenger compartment and engine preheating unit.

19.1 A/C control panel settings

Automatic A/C control panel





Before parking the vehicle, make the following settings:

- ▶ The fan speed must not be preset.
 - 1 Temperature on both sides to 'Hi'
 - 2 Air outlet to 'upwards'



19.2 Installation location of fuses

Fuses in engine compartment

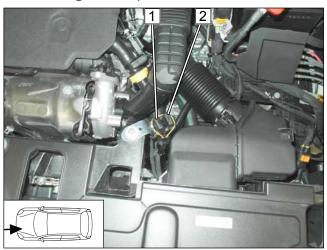


Fig. 130

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

Fuses in passenger compartment

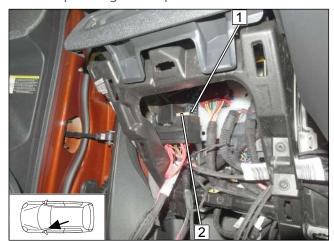


Fig. 131

- 1 F3 1A control element fuse
- **2** F4 25A fan controller fuse