INSTALLATION RECOMMENDATION
HYDRONIC II-D 5 S IN THE SSANGYONG TIVOLI (XK)



THIS INSTALLATION RECOMMENDATION APPLIES TO RIGHT-HAND DRIVE VEHICLES FROM MODEL YEAR 2015 WITH THE FOLLOWING MOTORISATION:

1.6 l cubic capacity / 4 cylinder in-line engine e-XDi / 85 kW - 115 hp RHD

The brochure “Important Information for Operating Your Pre-Heater” enclosed with the installation kit provides the customer with information on operating the unit.

Please give the customer this brochure when handing over the vehicle, or place it safely in the vehicle.

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This installation recommendation documents the installation of the Hydronic II heater in a vehicle of model year 2015 with the following equipment:

- **with manual air-conditioning**
- **with automatic air-conditioning**
- **with fog lamps**
- **with manual gearbox**
- **with automatic gearbox**
- **with front-wheel drive (2WD)**
- **with four-wheel drive (4WD)**

PLEASE NOTE!

This installation recommendation is valid for the above mentioned vehicle to the exclusion of all liability claims.
Deviating model years and/or deviating equipment may result in modifications to this installation recommendation.
It is therefore mandatory to check the feasibility of installing the heater in the vehicle before starting work.
All liability claims resulting from modifications to the vehicle are excluded.

Installation time: approx. 6.5 hours

1 INTRODUCTION

SPECIAL TEXT FORMATS, PRESENTATIONS AND PICTURE SYMBOLS

In this installation recommendation, special text formats and picture symbols are used to emphasise different contents. Please refer to the following examples for their meanings and appropriate action.

SPECIAL TEXT FORMATS AND PRESENTATIONS

- This dot (▪) denotes a list, which is started by a heading.
  - If an indented dash (–) follows a “dot”, this list is a sub-section of the black dot.

PICTURE SYMBOLS

DANGER!

This information points out a potential serious or fatal danger. Ignoring this information can result in severe injuries.

➔ This arrow indicates the appropriate precaution to take to avert the danger.

CAUTION!

This information points out a dangerous situation for a person and / or the product. Ignoring this information can result in injuries to people and / or damage to machinery.

➔ This arrow indicates the appropriate precaution to take to avert the danger.

PLEASE NOTE!

These remarks contain recommendations for use and useful tips for the operation, installation and repair of the heater.

SAFETY INSTRUCTIONS FOR INSTALLATION AND REPAIR

DANGER!

Improper installation or repair of Eberspächer heaters can cause a fire or result in toxic exhaust entering the inside of the vehicle.
This can cause serious and even fatal risks.

➔ Only authorised and trained persons may install the heater according to the specifications in the technical documents or repair it using original spare parts.

➔ Installation and repairs by unauthorised and untrained persons, repairs using non-original spare parts and without the technical documents required for installation and repair are dangerous and therefore are not permitted.

➔ Installation according to this installation recommendation may only be carried out in conjunction with the respective unit-related technical description, installation instructions, operating instructions and maintenance instructions.
This document must be carefully read through before / during installation and repair and followed throughout. Particular attention is to be paid to the official regulations, the safety instructions and the general information.

PLEASE NOTE!

- The relevant rules of sound engineering practice and any information provided by the vehicle manufacturer are to be observed during the installation and repair.
- When carrying out electric welding on the vehicle, the positive cable at the battery should be disconnected and earthed to protect the control box.

LIABILITY CLAIM / WARRANTY

Eberspächer does not accept any liability for defects and damage, which are due to installation or repair by unauthorised and untrained persons.
Compliance with the official regulations and the safety instructions is prerequisite for liability claims.
Failure to comply with the official regulations and safety instructions leads to exclusion of any liability of the heater manufacturer.

ACCIDENT PREVENTION

General accident prevention regulations / health and safety regulations and the corresponding workshop, company and operating safety instructions are to be observed.

1 INTRODUCTION

ADDITIONAL INFORMATION ON THE VALIDITY OF THE INSTALLATION RECOMMENDATION

The installation recommendation is valid for the vehicle with the engine and gearbox options listed in the following.

ENGINE AND GEARBOX OPTIONS

Cubic capacity	kW / HP	Gearbox
1,6 l e-XDi	85 / 115	6S / AT

AT = automatic gear
6S = 6-gear manual transmission

PLEASE NOTE!

- The installation recommendation is not valid for left-hand drive vehicles.
- Vehicle models, engine types and feature options not listed in this installation recommendation, have not been tested.
  Installation according to this installation recommendation can still be possible.

INITIAL STARTUP OF THE HEATER OR FUNCTIONAL TEST

- After installation or carrying out a repair on the heater, the coolant circuit and the whole fuel supply system must be carefully vented. Comply with the instructions issued by the vehicle manufacturer.
- Open all heating circuits before the trial run (set the temperature controller to “hot”).
- During the heater trial run, all water and fuel connections must be checked for leaks and secure, tight fit.
- If faults occur while the heater is running, use a diagnostic unit to correct the cause of the fault.

SPECIAL TOOLS REQUIRED

- Necessary torque wrench
- Pliers for spring band clamps
- Anti-corrosion agent
- Blind rivet nut insertion tool
- Crimping tool

PARTS REQUIRED FOR INSTALLATION

QUANTITY	DESIGNATION	ORDER NO.
1	Hydronic II D 5 S	25 2620 05 00 00
1	Vehicle-specific installation kit	24 8000 29 00 70
EasyStart control unit as chosen:		
1	Radio remote control EasyStart Remote+	22 1000 34 17 00

PLEASE NOTE!

The vehicle-specific installation kit contains all parts needed for the installation.

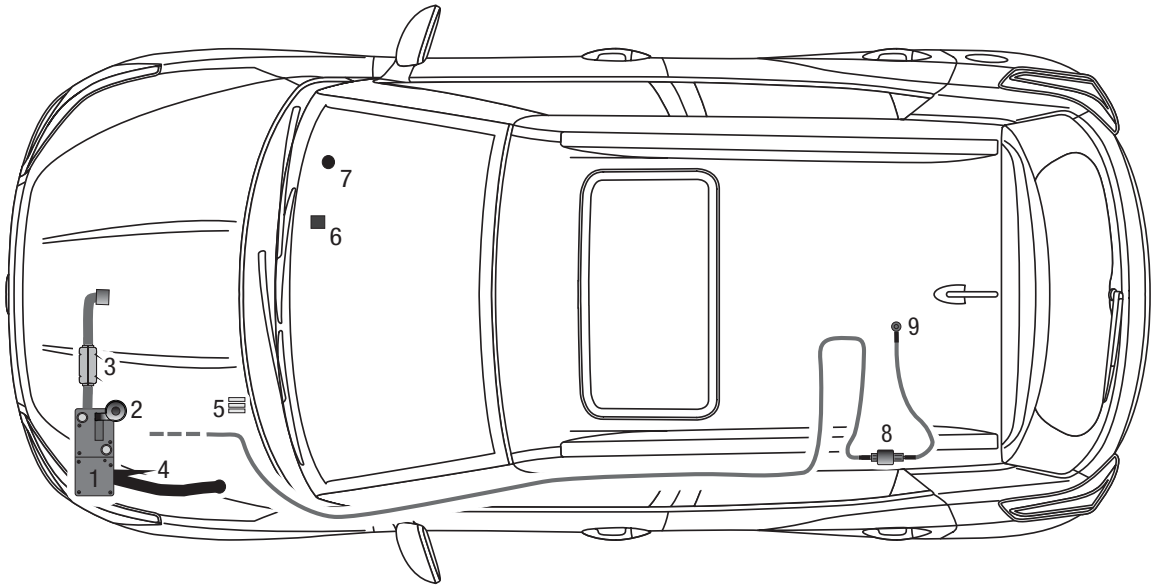
TIGHTENING TORQUES

If no tightening torques are specified, tighten the screw connections according to the following table:

Part name	Tightening torques
Hex screw M6	10 $^{+1}$ Nm
Hex screw M8	20 $^{+2}$ Nm
Hex screw M10	45 $^{+2}$ Nm
Torx screw M6 x 14.5	6 $^{+0.5}$ Nm
Screw M4 x 16	3 $^{+0.5}$ Nm
Screw M5 x 10	5 $^{+0.5}$ Nm
Pipe clip for exhaust pipe	7 $^{+1}$ Nm
Hose clip for water hose	3 $^{+0.5}$ Nm
Hose clip for combustion air pipe	3 $^{+0.5}$ Nm
Hose clip for fuel pipe	1 $^{+0.2}$ Nm

1 INTRODUCTION

INSTALLATION DRAWING



1 Heater
2 Water pump
3 Exhaust pipe with exhaust silencer
4 Combustion air tube
5 Fuse holder
6 EasyStart Remote+ receiver
7 EasyStart Remote+ button
8 Metering pump
9 Tank extractor

2 PREPARATION OF THE VEHICLE

PREPARATORY WORK ON THE VEHICLE

- Disconnect and remove battery
- Remove bottom left-hand instrument panel covering
- Remove rear seat bench
- Remove the front bumper
- Remove intake-air pipe and charge-air pipe
- Remove the lower cowling
- Depressurise the cooling system
- Drain coolant into a clean container

PREMOUNT HEATER AND AFFIX DUPLICATE NAMEPLATE
(see photos 1 to 2)

Remove the duplicate nameplate from the heater.

Use a 16 - 25 mm Ø hose clip to connect the combustion air pipe to the heater and shape as shown in the photo.

Connect the 4 x 1.25 mm Ø fuel pipe with 3.5 x 3 x 50 mm Ø fuel hose and one 9 mm Ø hose clip to the fuel connection of the heater.



Fig. 1
① Heater
② Connect 4 x 1.25 mm Ø fuel pipe
③ Connect combustion air pipe

Affix the duplicate nameplate to the top of the left front inner wing as shown.

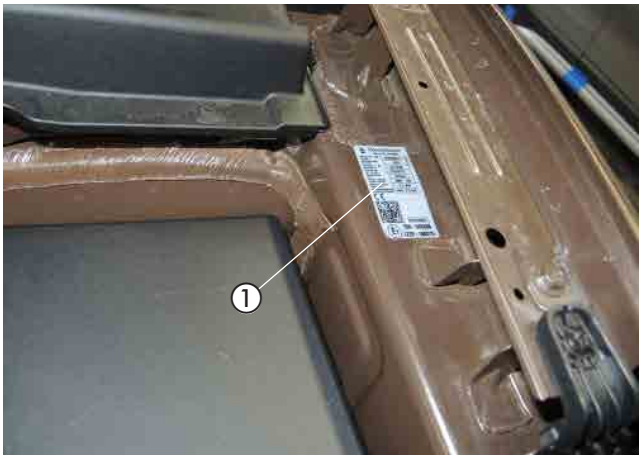


Fig. 2
① Fit duplicate nameplate

3 PRELIMINARY ASSEMBLY

MAKE HEATER HOLDER READY
(see photo 3)

Keep the heater holder ready for installation later on.

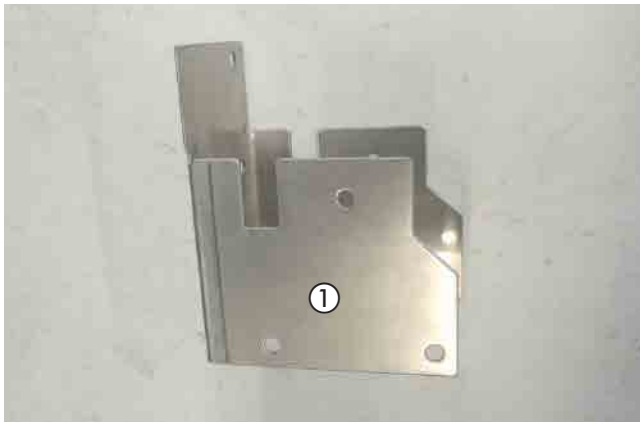


Fig. 3
① Heater holder

PREPARE EXHAUST SYSTEM
(see photo 4)

Shape the exhaust pipe as shown.

Shape the exhaust pipe end as shown.

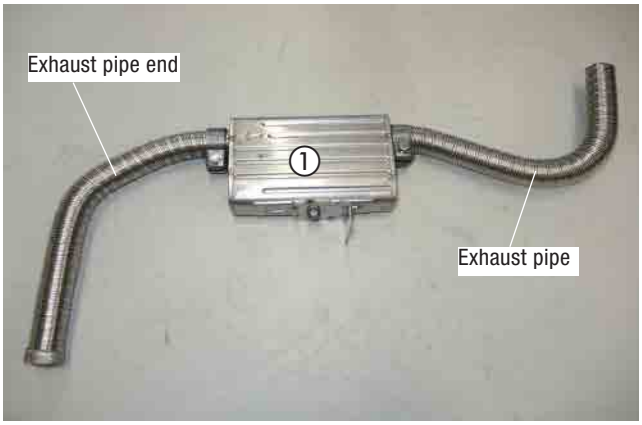


Fig. 4
① Exhaust silencer

Prepare fuel tank extractor
(see photo 5)

Prepare the 4 x 1 mm Ø fuel pipe and the tank extractor as shown.

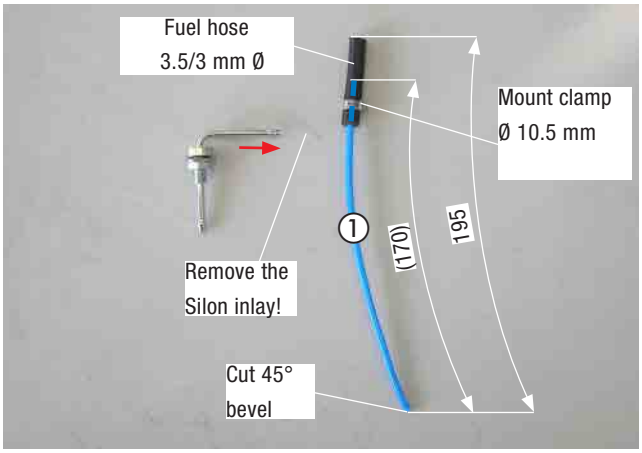


Fig. 5
① Prepare fuel tank extractor

3 PRELIMINARY ASSEMBLY

PREPARE METERING PUMP
(see photo 6)

Insert the metering pump in the rubber holder as shown in the photo. Use an M6 x 25 screw, a B6 body washer and an M6 nut to fasten the holder (22 9000 50 2603) firmly to the rubber holder of the metering pump as shown.

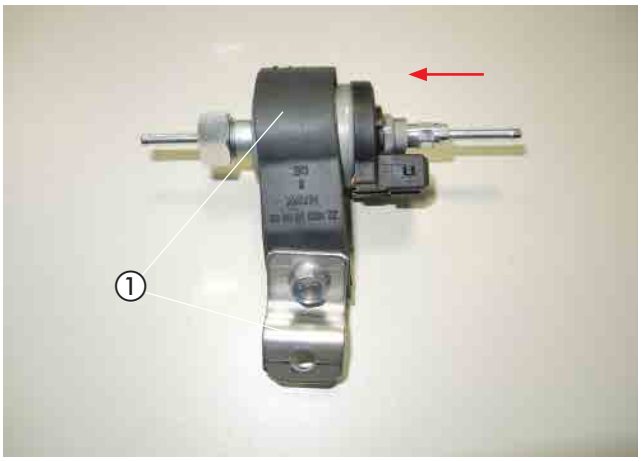


Fig. 6
① Mount holder to rubber holder

PREMOUNT THE STATIONARY PART OF THE EASYSTART REMOTE+ RADIO REMOTE CONTROL
(see photo 7)

Fasten the stationary part of the EasyStart Remote+ radio remote control to the holder (22 9000 50 65 04) using two M4 x 10 screws, as shown.



Fig. 7
① Mount the stationary part of the EasyStart Remote+ radio remote control

PREMOUNT TEMPERATURE SENSOR FOR AUXILIARY HEATING MODE
(see photo 8)

Prepare the 5°C temperature sensor as shown.

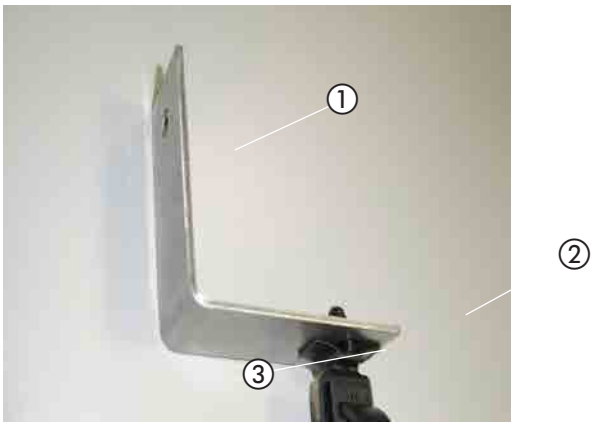


Fig. 8
① Temperature sensor holder
② Temperature sensor plastic holder
③ Temperature sensor 5 °C

3 PRELIMINARY ASSEMBLY

MAKE WATER HOSES READY.
(see photo 9)

PLEASE NOTE!

The water hoses are connected “inline” to the water circuit , refer to the Technical Description, in the chapter on “Installation” and here the section on “Connection to the Cooling Water Circuit”.

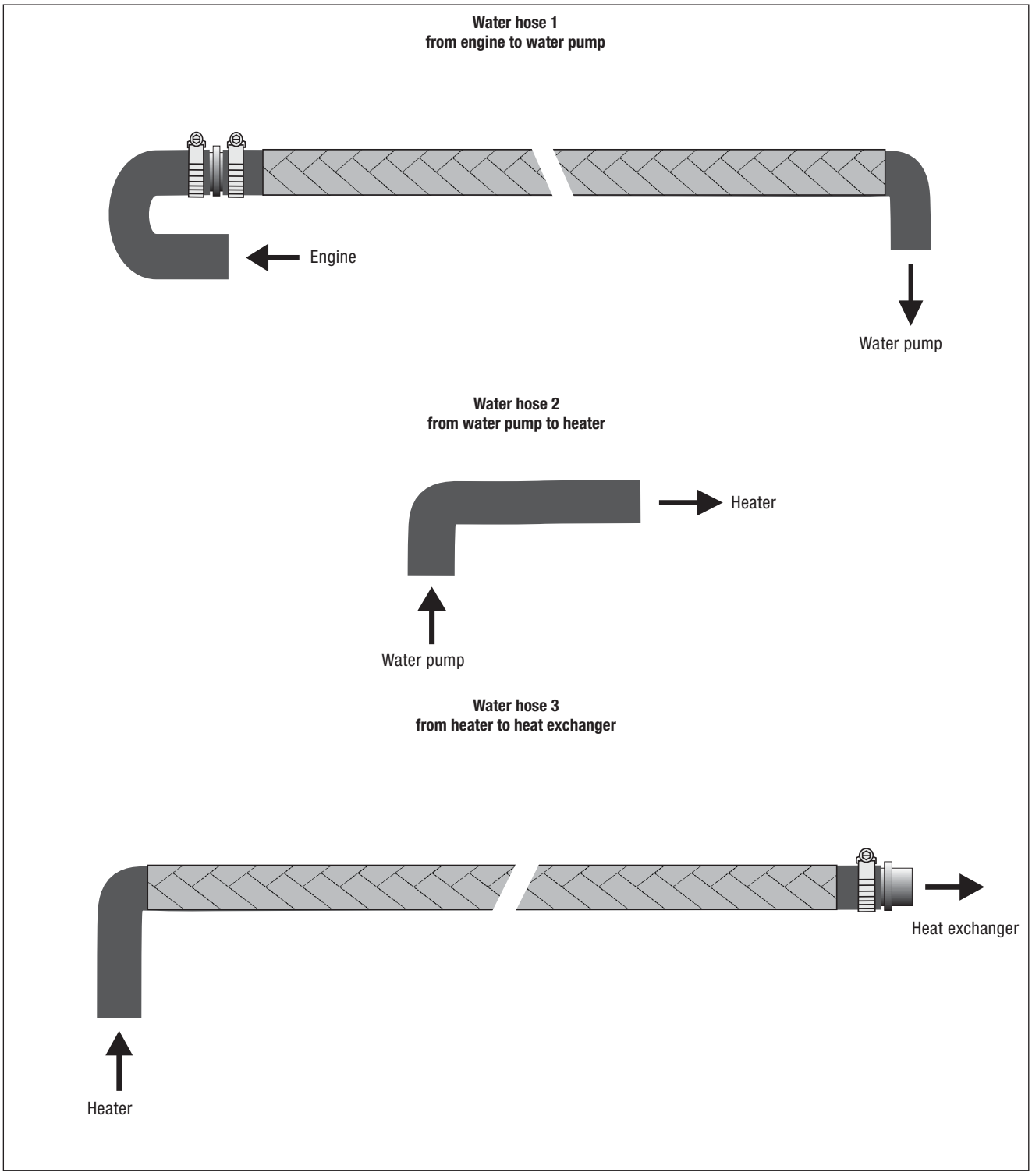


Fig. 9

3 PRELIMINARY ASSEMBLY

MOUNT EXHAUST GROMMET AND ALUMINIUM FOIL
(see photos 10 and 11)

Drill an 38 mm Ø hole on the left side of the cowling with the dimensions shown.

Fit the exhaust grommet in the drilled hole.

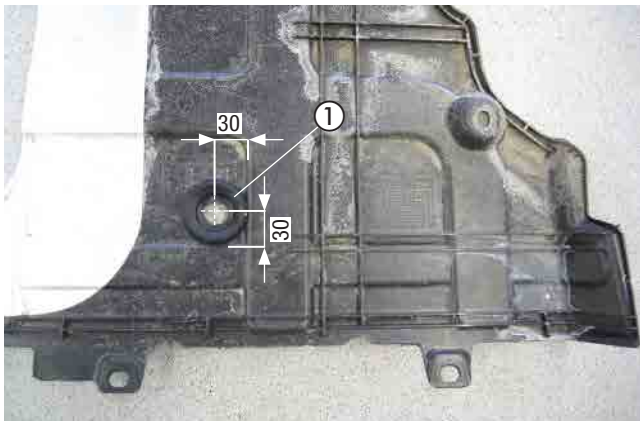


Fig. 10
① MOUNT EXHAUST GROMMET

Adhere the aluminium foil to the inside of the left wheel arch liner as shown.



Fig. 11
① Affix aluminium foil

PREPARE LEFT COWLING
(see photo 12)

Prepare the left cowling as shown.

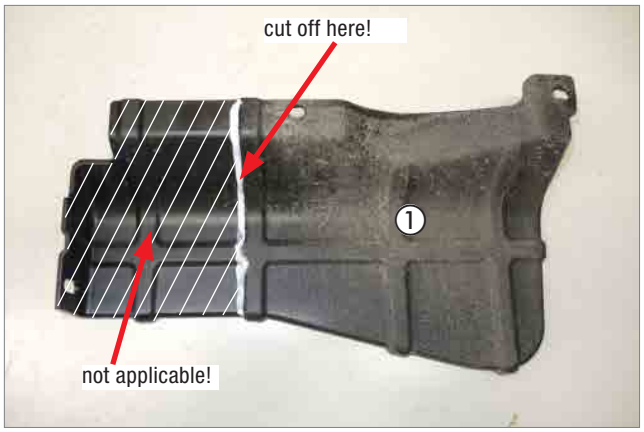


Fig. 12
① Prepare left cowling

4 INSTALLATION

PREPARE THE INSTALLATION POSITION
(see photos 13 and 14)

The installation position for the heater holder is in the left corner of the engine compartment, on the outside at the left chassis beam.
Remove the two earth cables.
Insert an M6 blind rivet nut into the existing 10 mm Ø hole.

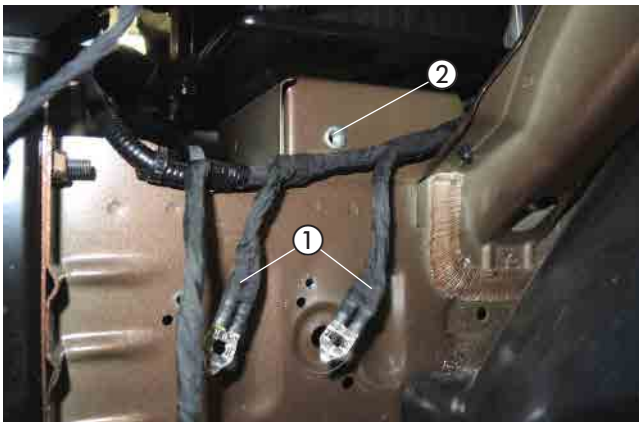


Fig. 13
① 2 x remove earth cable
② Insert M6 blind rivet nut

⚠ CAUTION!
Before inserting the M6 blind rivet nut in the 10 mm Ø hole, remove the paint from the edge of the hole!

Fasten the two removed earth cables with an M6 x 16 screw in the inserted M6 blind rivet nut as shown.
The two M6 threaded holes and the existing M6 stud bolt (if a buzzer is present, it should be removed. It will be fitted again elsewhere) act as the three fastening points for the heater holder.

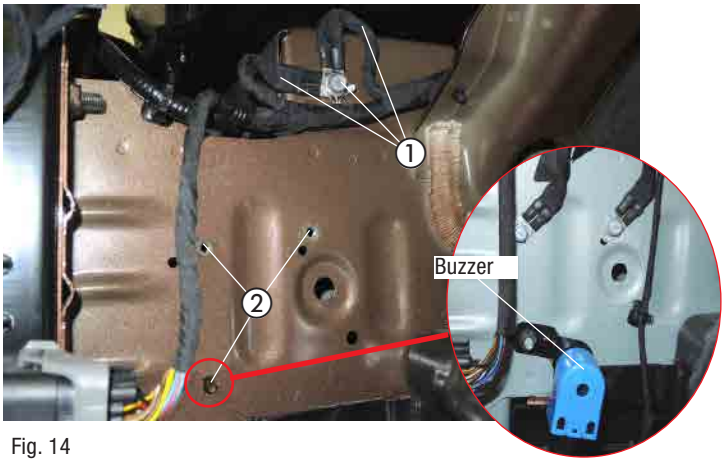


Fig. 14
① 2 x mount earth cable
② 3 x fixing point for the heater holder

MOUNT HEATER HOLDER
(see photos 15 and 16)

Mount the three Z-brackets (22 9000 50 2603) with two M6 x 16 screws each in the existing M6 threaded holes and with an M6 nut to the existing M6 screw, align as shown and screw tight.

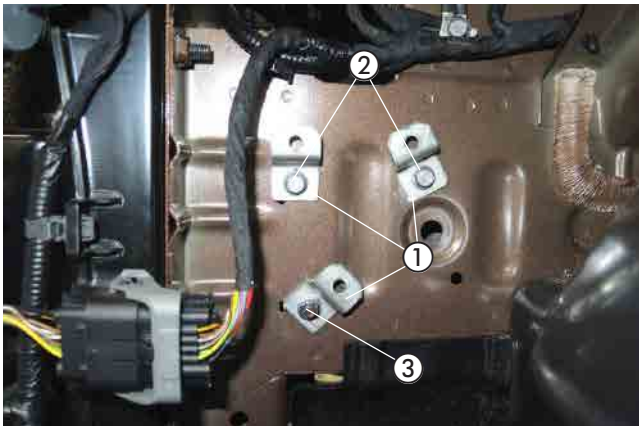


Fig. 15
① Z-bracket
② 2 x M6 x 16 screws
③ Nut M6

4 INSTALLATION

Mount the heater holder with three M6 x 12 screws and three M6 nuts to the mounted Z-bracket as shown.

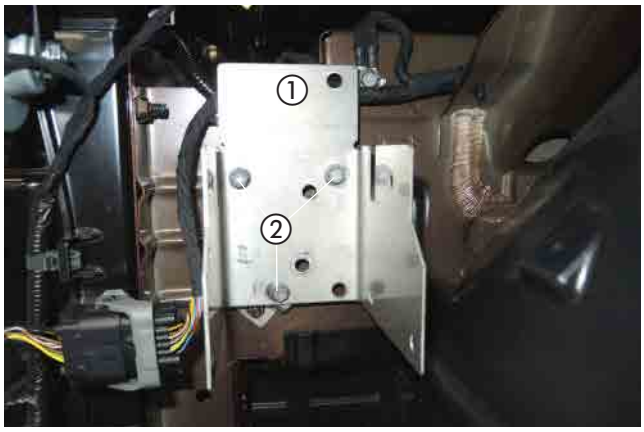


Fig. 16
① Heater holder
② 3 x screw M6 x 12 and 3 x nut M6

MOUNT THE HEATER AND LAY THE COMBUSTION AIR PIPE
(see photos 17 and 18)

Insert the premounted heater in the unit holder and fasten with six M6 x 12 screws with microencapsulation in the corresponding threaded holes of the heater.
If a buzzer is present, mount it to the heater jacket as shown together with the upper M6 x 12 screw with micro-encapsulation.

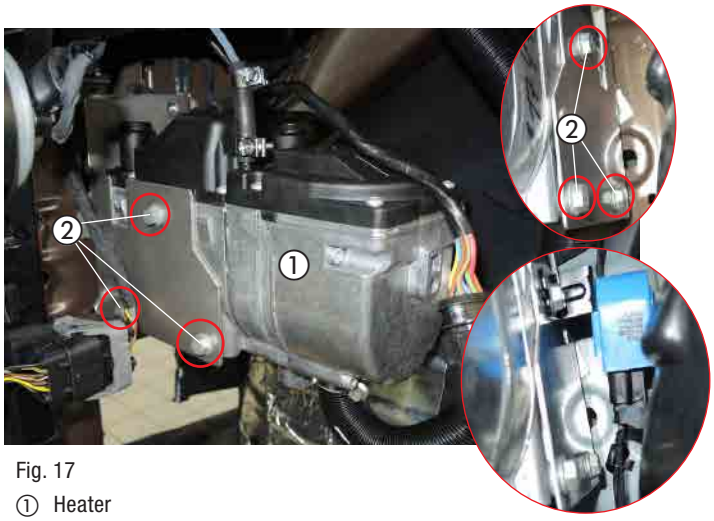


Fig. 17
① Heater
② 6 x M6 x 12 screws with micro-encapsulation

Lay the combustion air pipe upwards into the protected area behind the left-hand headlight.

Use cable ties to fix the combustion air pipe in suitable places.

CAUTION!
Lay the combustion air pipe so that only clean, dry combustion air can be drawn in through the heater.



Fig. 18
① Lay combustion air pipe

4 INSTALLATION

INSTALL EXHAUST SILENCER AND CONNECT
(see photos 19 to 21)

At the inside of the lower, left engine support, drill two 9.5 mm Ø holes with the dimensions as shown and insert an M6 blind rivet nut in each case.

⚠ CAUTION!
Deburr all finished holes and treat with anti-corrosion agent.

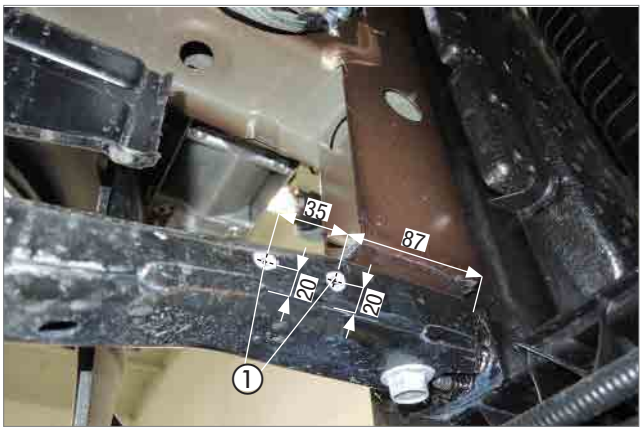


Fig. 19
① Drill 2 x holes and insert 2 x M6 blind rivet nut

Mount the premounted exhaust silencer in the two fitted M6 blind rivet nuts using two M6 x 16 screws as shown.

Lay the exhaust pipe to the heater.

The arrow on the exhaust silencer marks the direction of flow of the exhaust gas and points to the right.



Fig. 20
① Exhaust silencer
② 2 x M6 x 16 screw

Screw the exhaust pipe to the exhaust outlet connection of the heater using a clip as shown.

⚠ CAUTION!
When laying the exhaust pipes, ensure they are at a sufficient distance from adjacent body components.

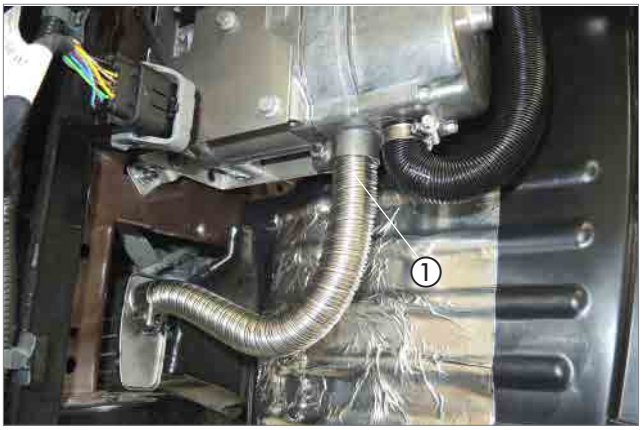


Fig. 21
① Connect the exhaust pipe

4 INSTALLATION

INSTALL WATER PUMP HOLDER AND WATER PUMP
(see photos 22 and 23)

Mount the water pump holder with an M6 x 12 screw and an M6 nut to the heater holder in the free upper 8 mm Ø hole as shown.

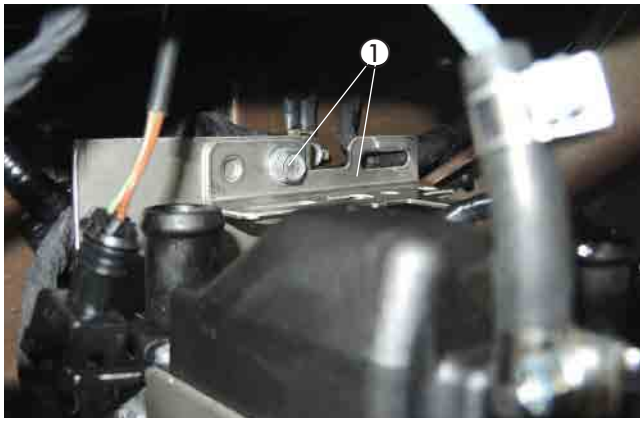


Fig. 22
① Mount water pump holder

Insert the water pump in premounted water pump holder as shown.

The water pump intake connection points upwards and the discharge connection points forwards.



Fig. 23
① Install water pump

MOUNT WATER HOSE 2
(see photo 24)

Connect water hose 2 (water pump to heater) to the water outlet connection of the water pump and to the water inlet connection of the heater.



Fig. 24
① Mount water hose 2

4 INSTALLATION

CUT WATER FLOW HOSE
(see photo 25)

After loosening the clip, pull the water flow hose (lower hose at heat exchanger) from the engine water connection socket and leave in the installation position.



Fig. 25
① Water flow hose

CONNECT AND LAY WATER HOSES
(see photos 26 to 29)

Connect water hose 1 (engine to water pump) at the intake connection of the water pump.

Connect water hose 3 (heater to heat exchanger) at the water outlet connection of the heater.



Fig. 26
① Connect water hose 1
② Connect water hose 3

Lay water hose 1 and 3 to the right in the engine compartment, along the vehicle's water hose and on next to the battery holder to the cutting point as shown, and secure with cable ties to the vehicle's water hose and charge-air hose.

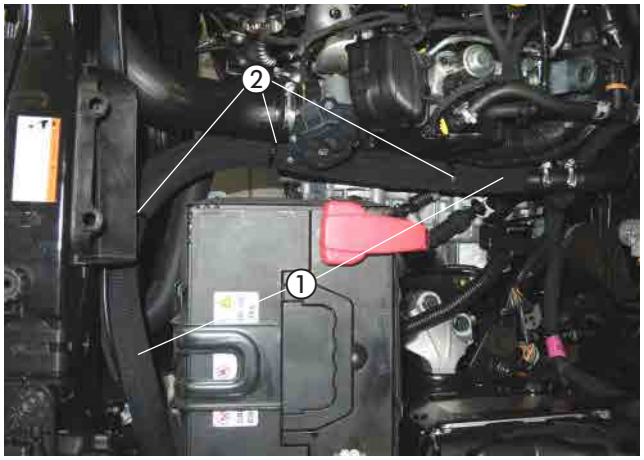


Fig. 27
① Route water hoses 1 and 3
② Cable ties

4 INSTALLATION

Connect water hose 1 with the 180° water hose elbow at the engine's water connection socket.

Connect water hose 3 at the water flow hose to the heat exchanger.

CAUTION!
Secure all hose connections with 20 - 32 mm Ø hose clips.
Protect the water hoses against chafing and use cable ties to connect them together secure them in suitable positions.
Pre-fill the water hoses during installation.
After the water hoses have been installed, vent the cooling water system according to the manufacturer's instructions!

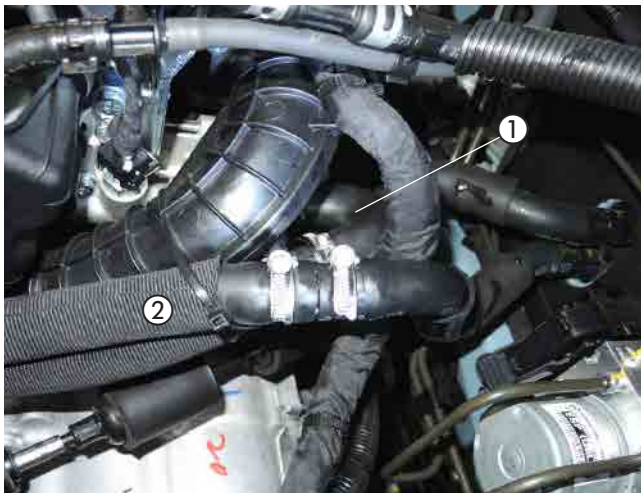
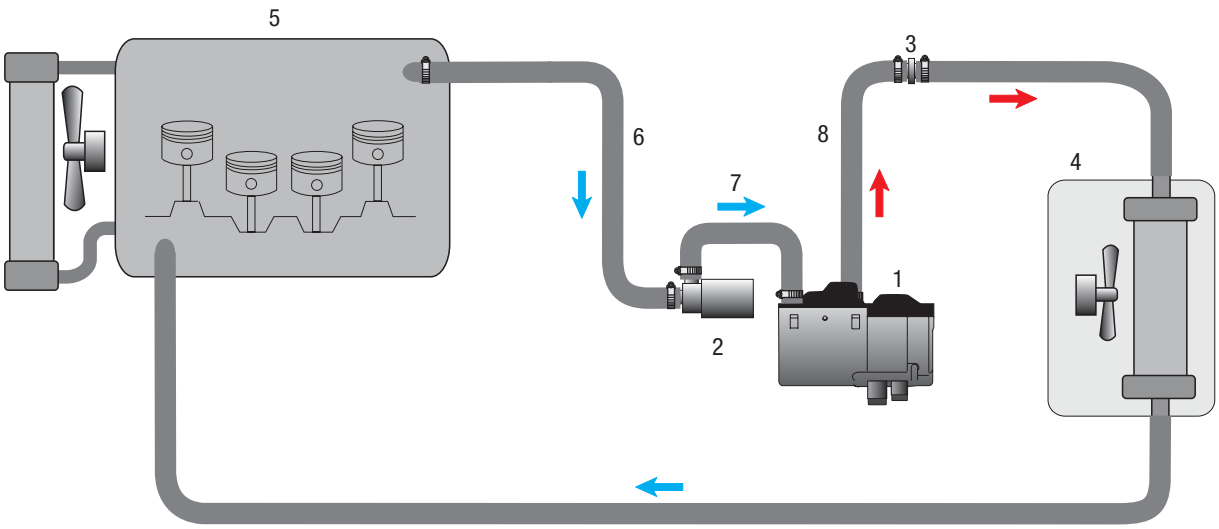


Fig. 28
① Connect water hose 1
② Connect water hose 3



1 - Heater Hydronic II
2 - Water pump
3 - Connector 20 mm Ø
4 - Vehicle heat exchanger
5 - Engine
6- Water hose 1
7- Water hose 2
8- Water hose 3
- Hose clip, 20 – 32 mm Ø

Fig. 29

4 INSTALLATION

MAKE TANK CONNECTION
(see photos 30 to 32)

Loosen the electric connection and the fuel line from the tank fitting. Remove the tank fitting from the tank opening by undoing the locking ring.
Drill an 8 mm Ø hole in the top part of the tank fitting in the pre-marked place as shown.

CAUTION!
When drilling, ensure that no dirt gets into the tank or supply lines.

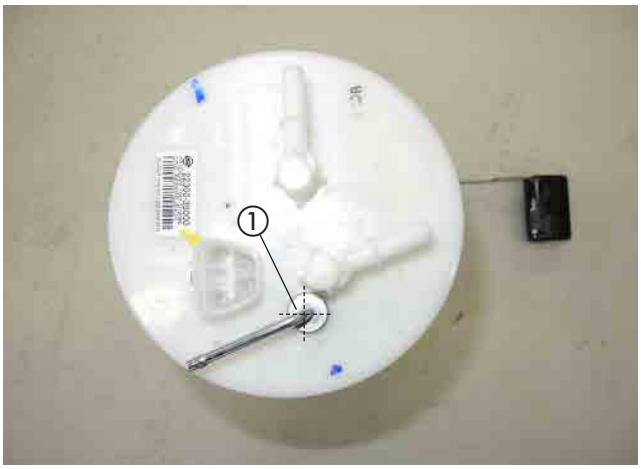


Fig. 30
① Drill an 8 mm Ø hole in the top part of the tank fitting

Introduce the tank extractor through the hole, align as shown and screw firmly with the M8 nut and a B8 body washer from below.

Then connect the prepared 4 x 1 mm Ø fuel pipe with 3.5 x 3 mm Ø fuel hose, length 50 mm and 10.5 mm Ø hose clip to the riser.
Position the 4 x 1 mm Ø fuel pipe as shown.

CAUTION!
The tank fitting should not be removed for longer than 10 minutes because of the expansion of the fuel tank seal!

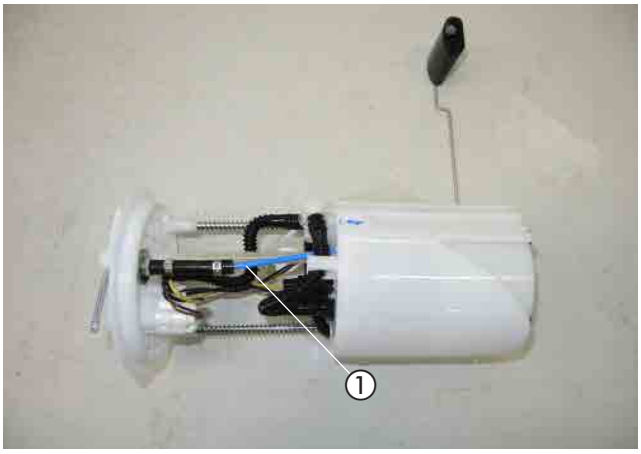


Fig. 31
① Mount tank extractor

Insert the tank fitting back into the tank and fasten with the locking ring; ensure the seal fits properly.

At the intake connection of the tank extractor, connect the 4 x 1 mm Ø fuel pipe with a 3.5 x 3 mm Ø fuel hose, 50 mm long.

Route the 4 x 1 mm Ø fuel pipe to the installation position of the metering pump and secure using cable ties.

Connect the electrical connection and the fuel lines to the upper part of the tank fitting.

PLEASE NOTE!
Secure all connection points with 9 mm Ø clips.



Fig. 32
① Connect tank extractor

4 INSTALLATION

INSTALL AND CONNECT THE METERING PUMP
(see photos 33 and 34)

Lay the 4 x 1.25 mm Ø fuel pipe from the heater together with the metering pump cable along the vehicle's fuel lines on the left-hand underside of the vehicle up to the metering pump.
Fix the 4 x 1.25 mm Ø fuel pipe with cable ties.

Screw the prepared metering pump with holder on the left in front of the tank with an M6 nut to the existing M6 stud bolt on the vehicle underbody as shown.
Ensure it is installed with at least a 15° rising gradient on the pressure side.
The discharge connection of the metering pump points to the front and the intake connection therefore points to the rear.
Connect the fuel pipe Ø 4 x 1.25 with fuel hose Ø 3.5 x 3 mm, length 50 mm, to the discharge connection of the metering pump.
Connect the 4 x 1 mm Ø fuel pipe from the tank extractor to the metering pump with the 3.5 x 3 mm Ø fuel hose, 50 mm long, at the intake connection of the metering pump.

Connect the connector to the metering pump.

⚠ CAUTION!
Secure all hose connections with 9 mm Ø hose clips.
When laying fuel lines, always ensure they are at an adequate distance from hot vehicle and heater parts.



Fig. 33
① Lay fuel pipe and metering pump cable

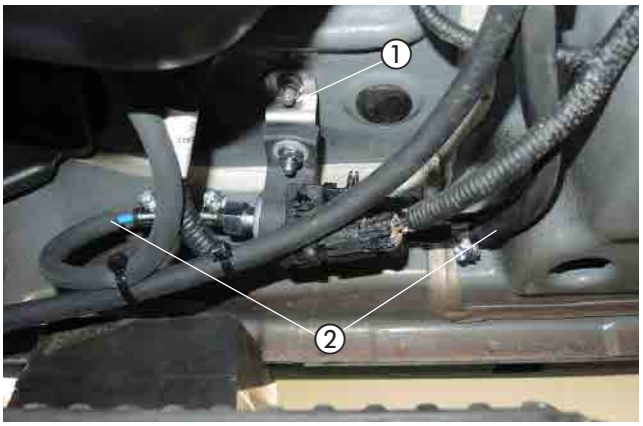


Fig. 34
① Mount the metering pump
② Connect metering pump

4 INSTALLATION

MAIN CABLE HARNESS
(see photo 35)

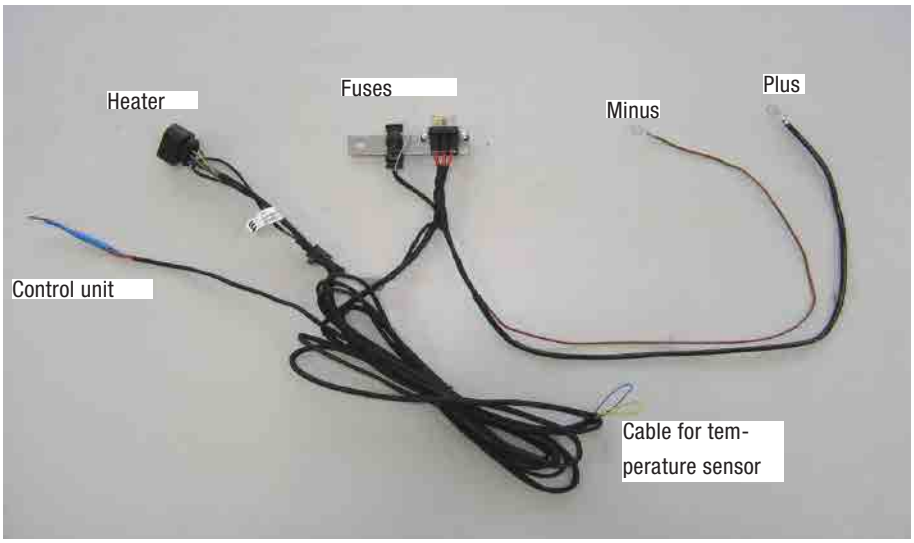


Fig. 35

MOUNT TEMPERATURE SENSOR
(see photo 36)

Mount the prepared temperature sensor with holder using an M6 x 12 screw and an M6 nut, in the existing 7 mm Ø hole on the left of the front crossbeam as shown.
To this end, unclip the vehicle's cable loom and fasten to the holder with a cable tie.

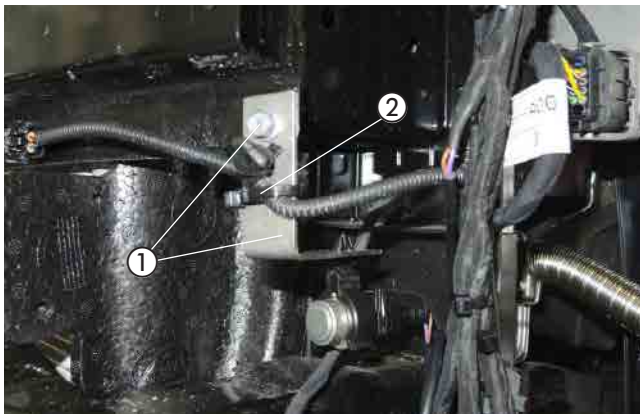


Fig. 36
① Mount temperature sensor
② Fasten vehicle's cable loom

FASTEN TEMPERATURE SENSOR CABLE LOOM
(see photo 37)

Cut through the loops in the cable harness, 0.5 mm² bl cable and 0.5 mm² ge cable.
Combine the two 0.5 mm² bl and 0.5 mm² ge cable ends coming from heater connector B1 in one of the two rt butt-type connectors of the temperature sensor cable loom and connect accordingly.
Connect the second 0.5 mm² bl cable end to the second butt-type connector rt from the temperature sensor cable loom.
Tie back and insulate the second 0.5 mm² ge cable end.
At the end of the cable loom, disconnect the pin from the 0.5 mm² ge cable, and tie back and insulate the cable.



Fig. 37
① Fasten temperature sensor cable loom

4 INSTALLATION

MOUNT FUSE BLOCK HOLDER
(see photo 38)

Mount the prepared holder for the fuse block to the left MacPherson strut tower at the vehicle's M6 stud bolt using an M6 nut as shown.

Connect the 10 pin connector of the main cable harness with the 10 pin flat connector housing of the heater's cable loom.

Connect the 2-pin connector housing from the cable loom to the temperature sensor.

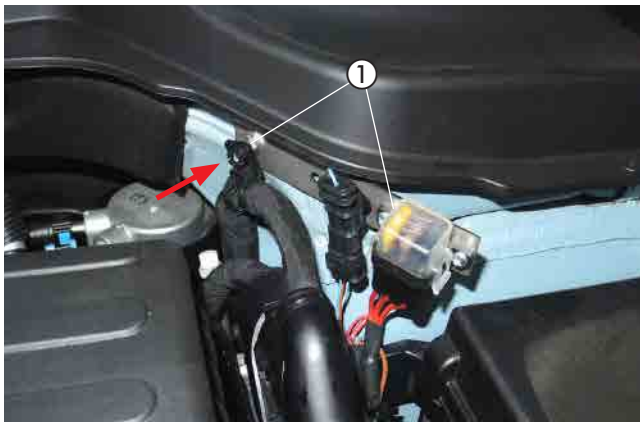


Fig. 38
① Mount holder with fuse block

CABLE LAYING
(see photo 39)

Route the control unit cable loom through the vehicle's cable grommet on the left side of the engine partition and into the interior of the vehicle on the passenger's side.

CAUTION!
When laying the cable looms, ensure they are at an adequate distance from hot vehicle and heater parts.
Use cable ties to fix the cable looms in suitable places.

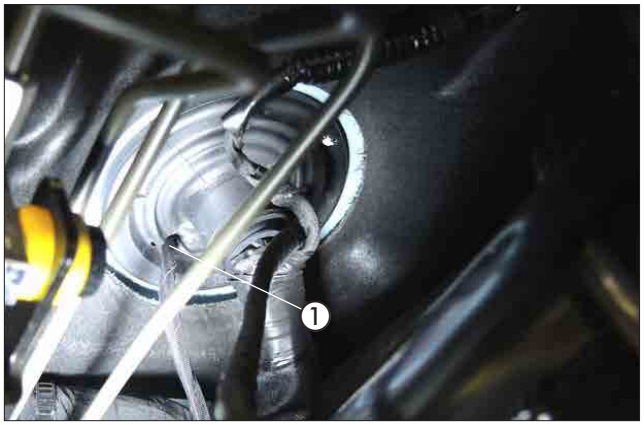


Fig. 39
① Vehicle's cable grommet

FAN CONTROL
(see photos 40 to 44)

Route the control unit cable loom to the central fuse box in the driver's footwell.
At the 16-pin ws MAIN-E connector on the back of the central fuse box, disconnect the 0.5 mm² ws cable, pin 1.
Integrate the 1 mm² rt and 1 mm² sw/rt cables from the diode cable loom using two rt butt-type connectors, according to the circuit diagram.

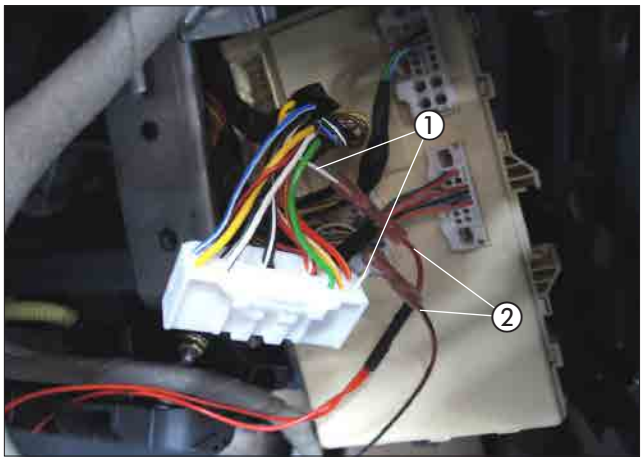


Fig. 40
① Disconnect 0.5 mm² ws cable
② Integrate 1 mm² rt and 1 mm² sw/rt cable from diode cable loom

4 INSTALLATION

At the 18-pin ws ENGINE-B connector on the front of the central fuse box, disconnect the 0.5 mm² rt cable, pin 8.
Integrate the 1 mm² rt and 1 mm² sw/rt cables from the diode cable loom using two rt butt-type connectors, according to the circuit diagram.

Insulate the 0.5 mm² ge cable of the control unit cable loom and tie it back.

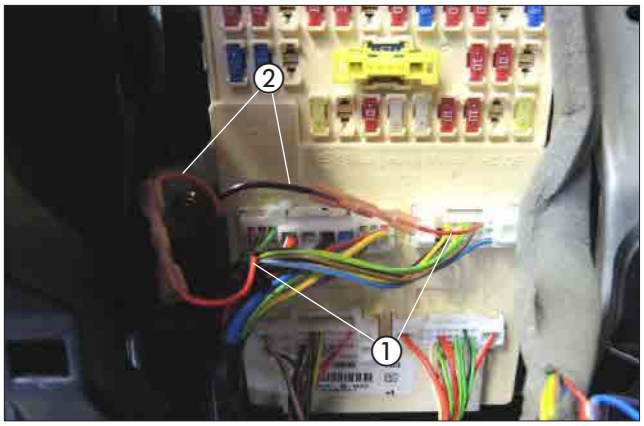


Fig. 41
① Disconnect 0.5 mm² rt cable
② Integrate 1 mm² rt and 1 mm² sw/rt cable from diode cable loom

At the 20-pin ws connector of the headlamp levelling, disconnect the 0.5 mm² rt/sw cable (pin 3).
Lengthen the 0.5 mm² bl cable from the control unit cable loom with an rt butt-type connector and the 0.5 mm² bl cable from the installation kit and integrate as shown in the circuit diagram, using an rt butt-type connector.

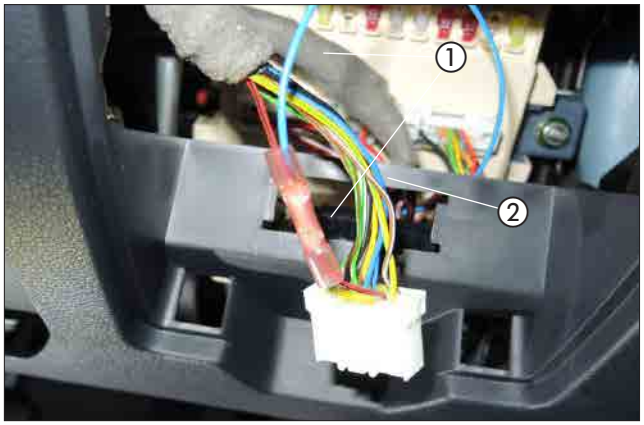


Fig. 42
① Disconnect 0.5 mm² rt/sw cable (pin 3)
② Lengthen and integrate 0.5 mm² bl cable from control unit cable loom

At the central fuse box, connect the 1 mm² sw/rt cable from the diode cable loom with the 0.5 mm² sw/rt cable from the control unit cable loom with an rt butt-type connector as shown in the circuit diagram.

PLEASE NOTE!
The cable colours may vary!

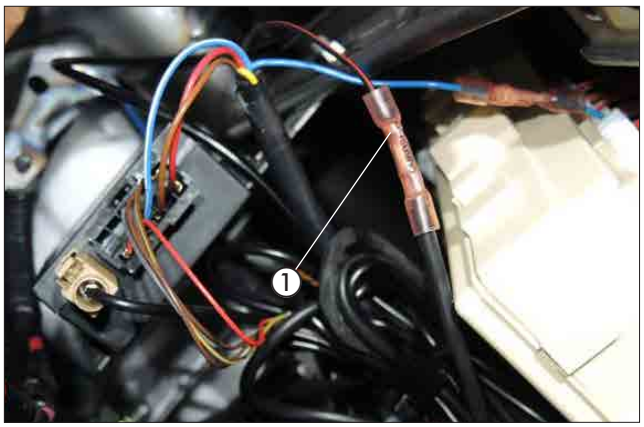


Fig. 43
① Connect 1 mm² sw/rt cable from diode cable loom with 0.5 mm² sw/rt cable from the control unit cable loom

4 INSTALLATION

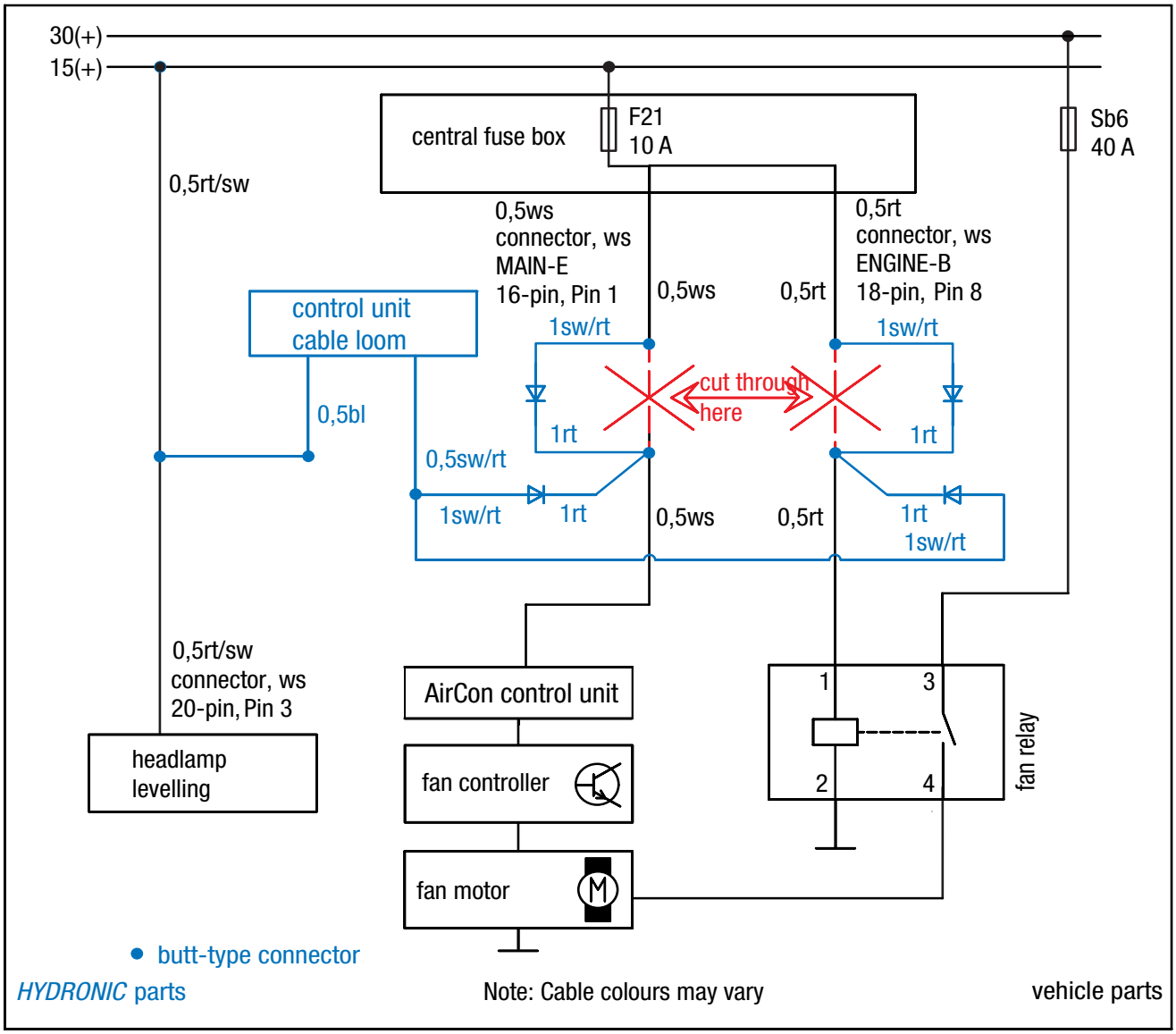


Fig. 44

4 INSTALLATION

POWER SUPPLY
(see photos 45 and 46)

Route the 4 mm² rt positive cable to the positive terminal of the battery and connect with the A6 cable lug as shown.



Fig. 45
① Connect positive cable 4 mm² rt

Route the 2.5 mm² br earth cable to the negative terminal of the battery and connect with the A6 cable lug as shown.

⚠ CAUTION!
When laying the cable looms, ensure they are at an adequate distance from hot vehicle and heater parts.
Use cable ties to fix the cable looms in suitable places.

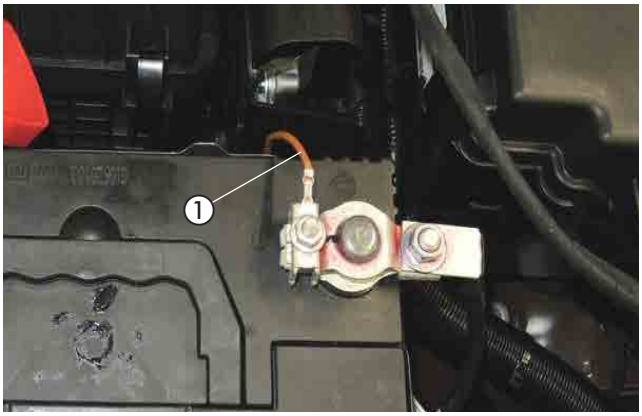


Fig. 46
① Connect 2.5 mm² br earth cable

4 INSTALLATION

INSTALL EASYSTART REMOTE+ RADIO REMOTE CONTROL
(see photos 47 to 49)

The EasyStart Remote+ radio remote control is installed according to the Technical Description for the EasyStart Remote + radio remote control; see the “Installation Instructions” section.

Mount the button of the EasyStart Remote+ radio remote control to the instrument panel cover on the right next to the steering wheel as shown.

To do this, drill a 10 mm Ø hole for the button of the EasyStart Remote+ radio remote control and insert the button in the hole.



Fig. 47
① Mount the EasyStart Remote+ button

Attach the temperature sensor of the EasyStart Remote+ to the lower panelling on the A-pillar on the driver's side as shown.

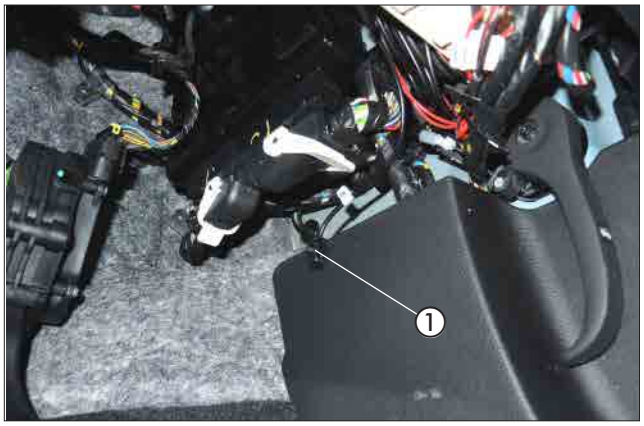


Fig. 48
① Mount temperature sensor

Mount the stationary part of the EasyStart Remote+ radio remote control with the holder to the existing 7 mm Ø hole to the right-hand supporting strut of the instrument panel on the left next to the central fuse box, using an M6 x 12 screw and a M6 nut as shown.

Connect the antenna cable of the EasyStart Remote+ radio remote control to the stationary part, take it to the left and lay it in the rubber door seal on the driver's side.

Lay the cables from the installed button and temperature sensor together with the “Control unit” cable loom to the installation site of the stationary part and connect here.

⚠ CAUTION!
Use cable ties to fix any excessive length of antenna cable underneath the instrument panel.

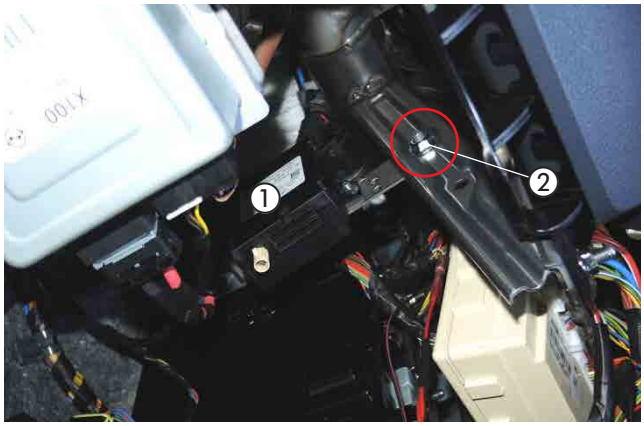


Fig. 49
① Stationary part of the EasyStart Remote+
② Fixing point of the EasyStart Remote+ stationary part

5 AFTER INSTALLATION

ADHERE THE “REFUELLING” STICKER
(see photo 50)

Adhere the "Refuel" label inside the fuel tank flap as shown.

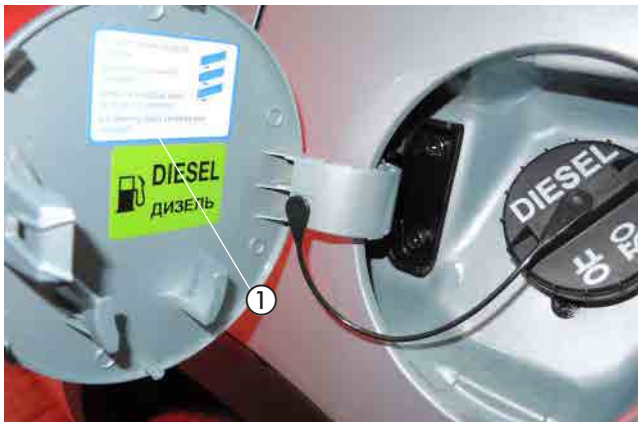


Fig. 50
① Adhere the “fuel tank” sticker

DISMANTLE THE BOTTOM ENGINE PANELLING
(see photo 51)

Mount the front bumper and pass the exhaust pipe end through the grommet.



Fig. 51
① Pass the exhaust pipe end through the grommet

COMPLETE THE VEHICLE

- Install all removed parts in the reverse order.
- Reconnect the battery.
- Check that the hoses, hose clips and pipe clamps as well as all electrical connections are fitted securely.
- Use cable ties to secure all loose cables, lines, etc.
- Restore all the vehicle's programmed settings (radio, window lift, etc.).
- Fill the cooling system, start the engine, vent the cooling system and check for leaks, top up any missing cooling liquid up to the marking (arrow).
- Adhere the “Refuel” label in the fuel tank flap.
- Please also note and follow the vehicle manufacturer's information on filling and venting the cooling system.
- Read and observe all official regulations and safety instructions in the Technical Description.
- Program the control unit and place the operating instructions in the glove compartment.

⚠ CAUTION!
Fill the cooling system only with the coolant liquid specified by the vehicle manufacturer.

STARTING UP THE HEATER

- Switch on the heater at the control unit.
  See Operating Instructions - Control Unit.

6 PARTS OVERVIEW



Fig. 52

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