Air Heater Unit



Air Top 2000 ST D Additional Heater

e1 00 0022

Installation Instructions

Ford Transit

Diesel from Model Year 2007 For left-hand drive vehicles only



WARNING!

Hazard warning:

Incorrect installation or repair of Webasto heating systems may cause a fire or result in the emission of carbon monoxide, which can be fatal. Serious or fatal injuries can be caused as a result.

Specialist company training, technical documentation, specialized tools and equipment are required to install and repair Webasto heating and cooling systems.

NEVER attempt to install or repair Webasto heating or cooling systems if you have not successfully completed the company training and thereby acquired the required technical skills, or if you do not have access to the required technical documentation, tools and equipment needed to carry out correct installation and repairs.

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

Webasto does not accept any liability for defects and damage that are attributable to installation by untrained staff.

Table of Contents

Validity

Manufacturer	Model	Туре	EG-BE No./ABE
Ford	Transit	F*6	e11 * 2001 / 116 * 0284 *

Engine type	Engine model	Output in kW	Displacement in cm ³
QVFA	Diesel	81	2198
QVFA	Diesel	96	2198
SAFA	Diesel	147	3198

Foreword

These installation instructions apply to Ford Transit vehicles with a Diesel engine from model year 2007 and later, assuming technical modifications to the vehicle do not affect installation, any liability claims excluded.

Vehicles and equipment variants, which are not listed in these installation instructions, have not been tested. However, installation according to these installation instructions may be possible. Depending on the version and the equipment variants of the vehicle, changes may be necessary relative to these "installation instructions" during installation and must be adjusted accordingly.

However, where this is the case the stipulations in the "installation instructions" and "operating and maintenance instructions" for the *Air Top 2000 ST* should be observed.

The installation location of heater controls and the routing of the air ducting parts must be coordinated with the final customer prior to installation!

WARNING!

Original load-bearing components of the vehicle and/or component used for crash safety may not be modified for the hot air and recirculating air ducting!

Heater units

Quantity	Description	Order No.:
1	Delivery scope of Air Top 2000 ST 12V Diesel Ford Transit	1311679A
	or	
1	Installation kit for Ford Transit Diesel <i>Air Top 2000 ST</i> In conjunction with retail accessories	1311683A

Optional heater control either:

Quantity	Description	Order No.:
1	Combination timer	1311691A

General Instructions

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.

Sharp edges should be fitted with edge protectors (split-open plastic hose).

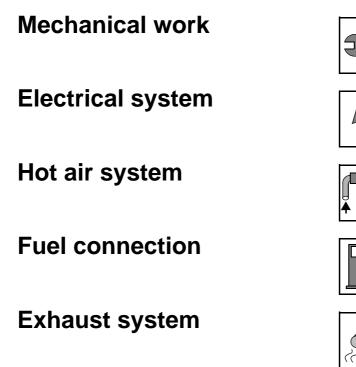
Spray unfinished body areas, e.g. drilled holes, with anti-corrosion wax (Tectyl 100K, Order No. 111329).

Special tools

- Torque wrench for 2.0 - 10 Nm

Explanatory Notes on Document

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



Combustion air

$\square \bigcirc$
6 d
\bigcirc

Special features are highlighted using the following symbols:



Specific risk of injury or fatal accidents.

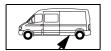
Specific risk of damage to components.

Specific risk of fire or explosion.

Reference to general installation instructions of Webasto components or to the manufacturer's vehiclespecific documents.



Reference to a special technical feature.



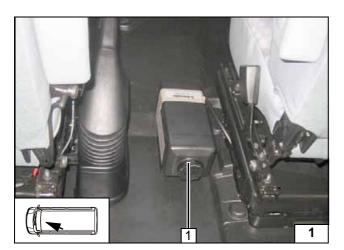


The arrow in the vehicle icon indicates the position on the vehicle and the viewing angle.

Preliminary Work

WARNING!

- Disconnect the battery "earth" or "ground" connection.
- Copy the factory number from the original type label to the duplicate type label.
- Remove years that do not apply from the duplicate label.
- Attach the duplicate label (type label) in the appropriate place.
- Remove the entrance trim on the driver's and front passenger side
- Remove the front passenger seat
- Detach the floor covering on the front passenger side
- Detach the A-pillar trim on the left (only when installing combination timer)
- Open fuel tank cap, ventilate tank.
- Close the tank cap again.

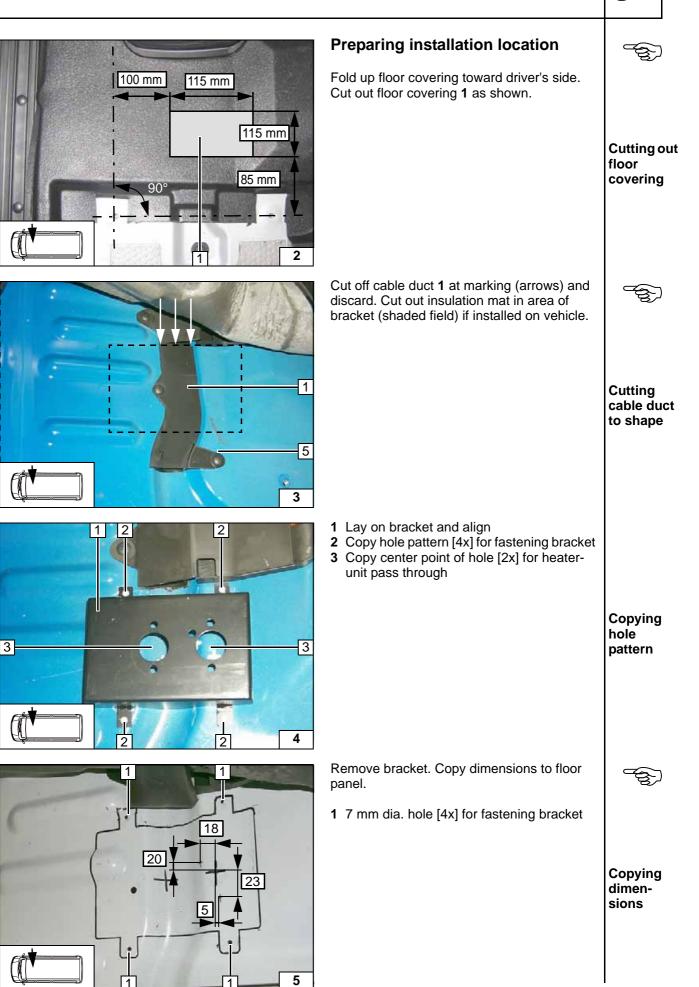


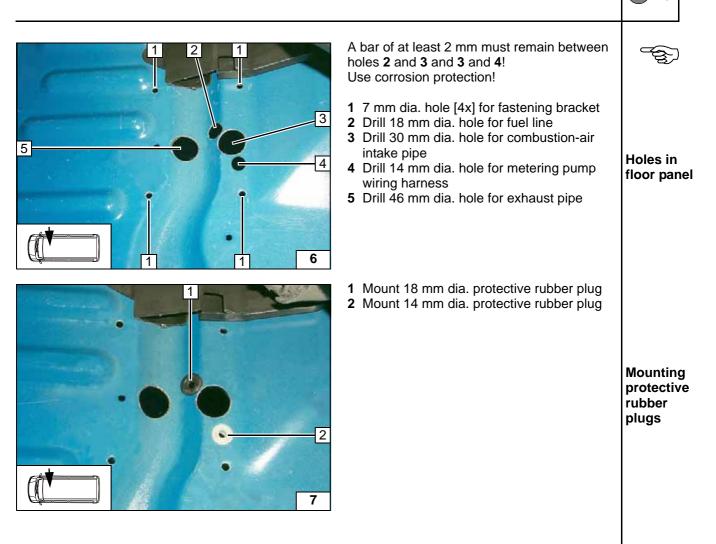
Heater unit installation location

1 Heater unit

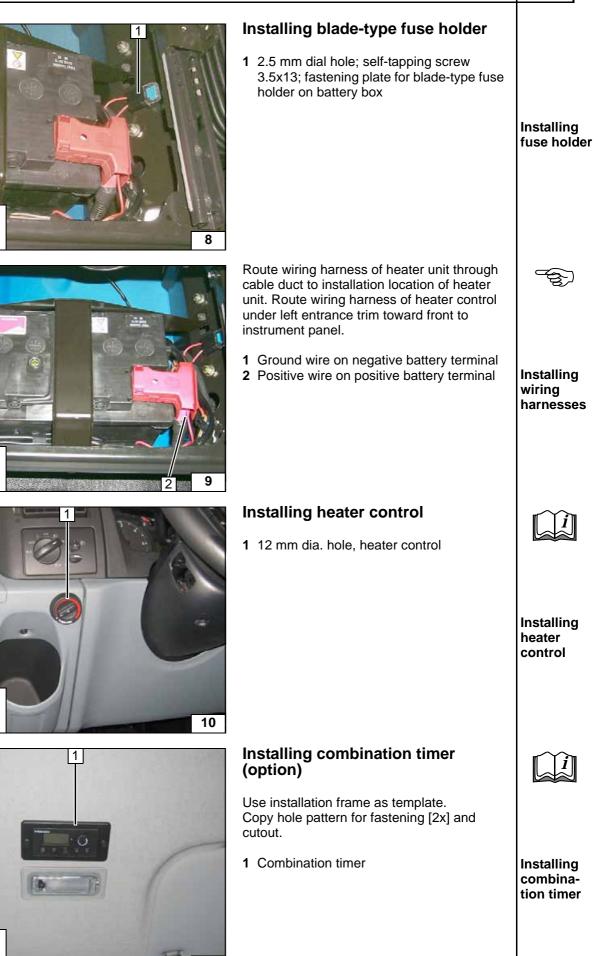
Installation location

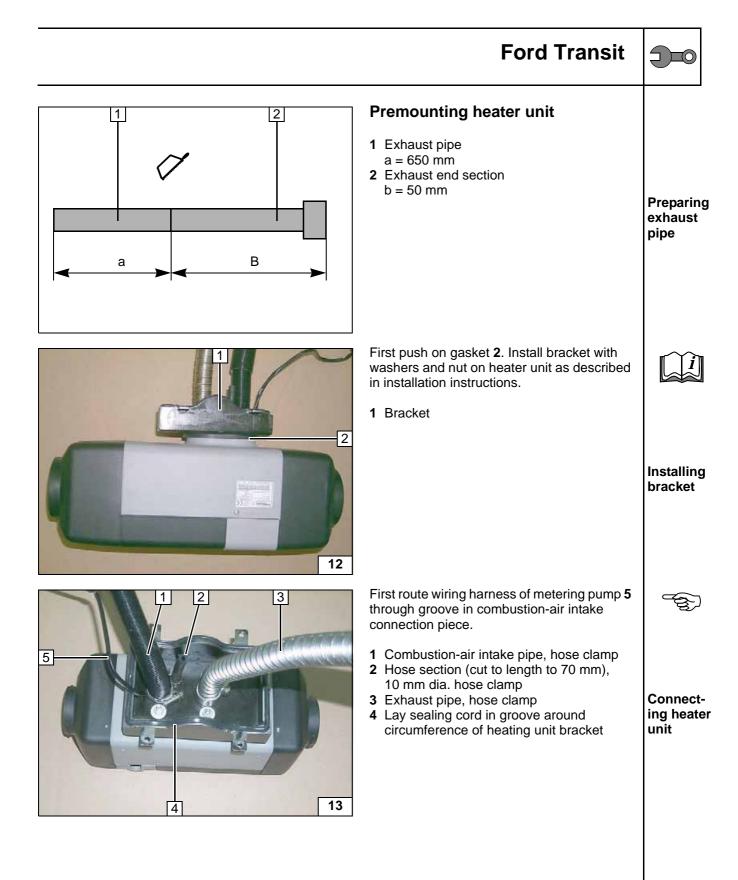
 $\Box \Box \Box 0$



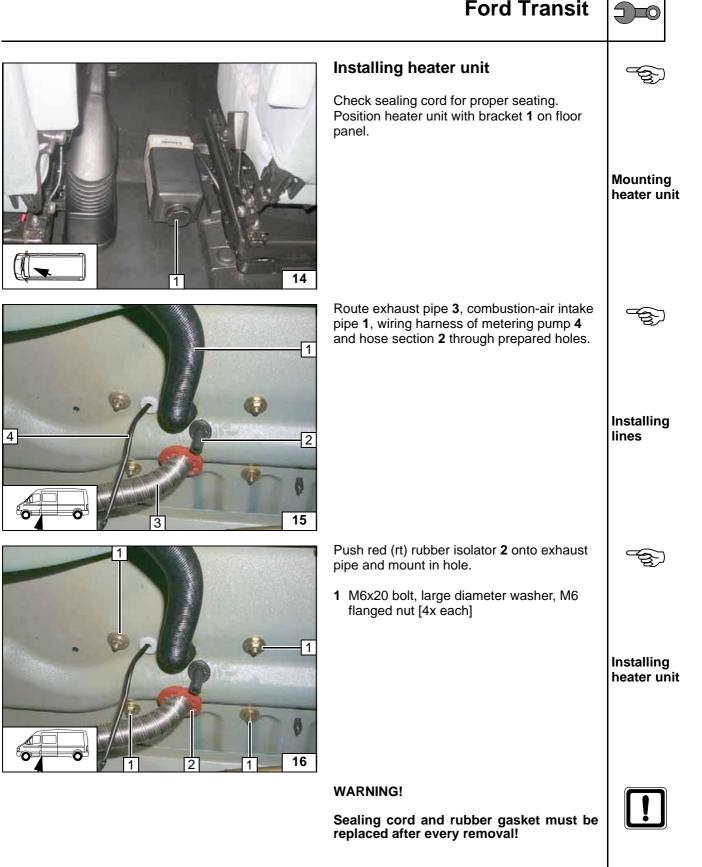


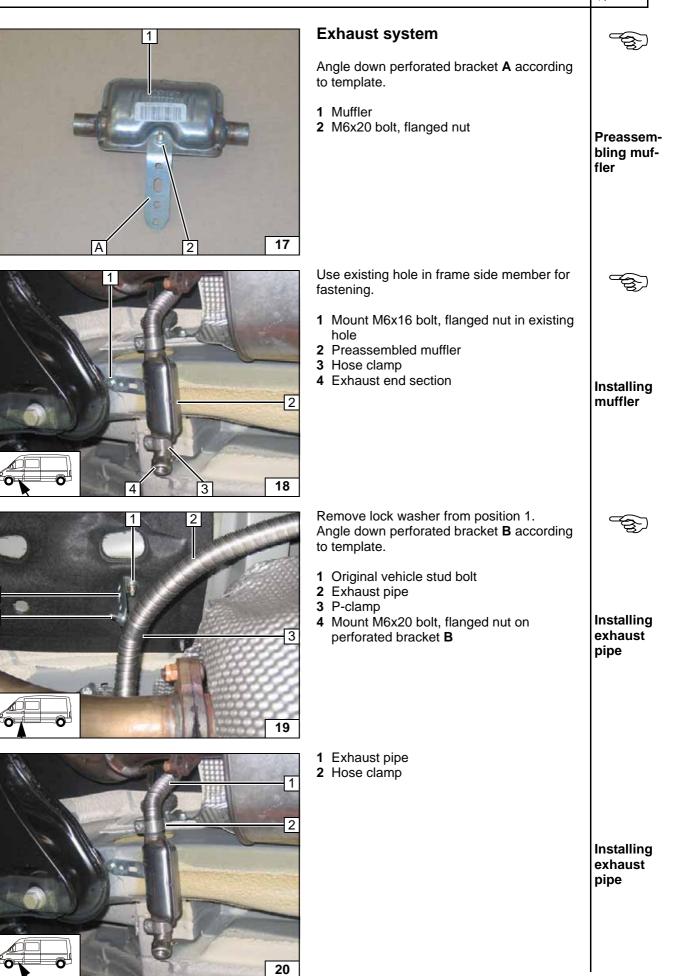






 $\Box 0$





Fuel Connection

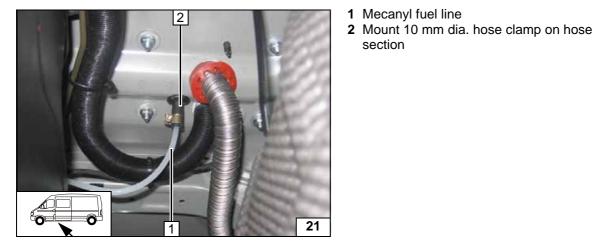
CAUTION!

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

Catch any fuel running off with an appropriate container.

Install fuel line and metering-pump wiring harness so that they are protected against stone impact. Unless specified otherwise, always fasten using cable ties. Mount the fuel line and wiring harness with rub protection on sharp edges.

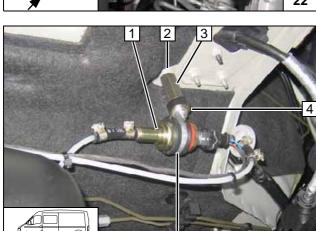
section



22

Ensure proper installation position of metering pump, see "Installation Instructions". Installation location in front of vehicle fuel tank!

- 1 Metering pump wiring harness
- 2 Fuel line from heater unit



1 Metering pump

23

- 2 Original vehicle stud bolt
- 3 Spacer nut on stud bolt
- 4 Silentblock, flanged nut
- 5 Rubber-coated pipe clamp



Connection on heater unit

Installation location of metering pump

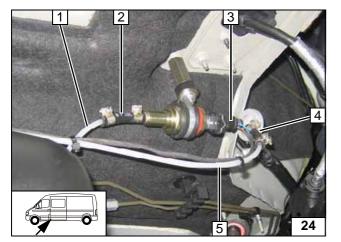
Installing metering pump

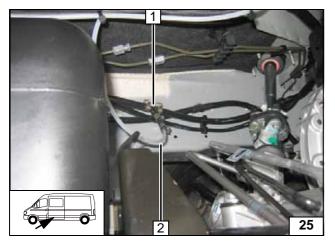












Fuel line from heater unit **5** on pressure side of metering pump [side with connector]. Fuel line to fuel standpipe **1** on intake side of metering pump [side without connector]. Check the position of the components; adjust if necessary. Check that they have free clearance.

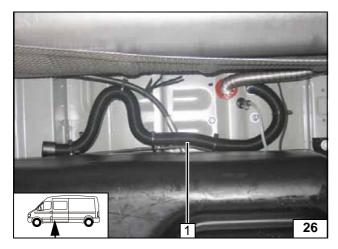
- 2 Hose section, 10 mm dia. hose clamps [2x]
 3 Wiring harness of metering pump, singlewire seal, tab connector, connector
- housing 4 Hose section, 10 mm dia. hose clamps [2x]

Separate fuel supply line at position **1**. Mount fuel standpipe with 2 12 mm dia. hose clamps in cutting point.

2 Fuel line from metering pump, hose section, 10 mm dia. hose clamp [2x] on fuel standpipe

> Removing fuel





Combustion air

Route combustion-air intake pipe **1** as shown and fasten with cable ties.



Installing intake pipe

Final Work

WARNING!

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

- Connect the battery
- Set the digital timer.
- Check the proper operation of the air heater, see the operating instructions/installation instructions.
- Attach the "Switch off additional heater before refueling" sticker to the left-hand B-pillar.





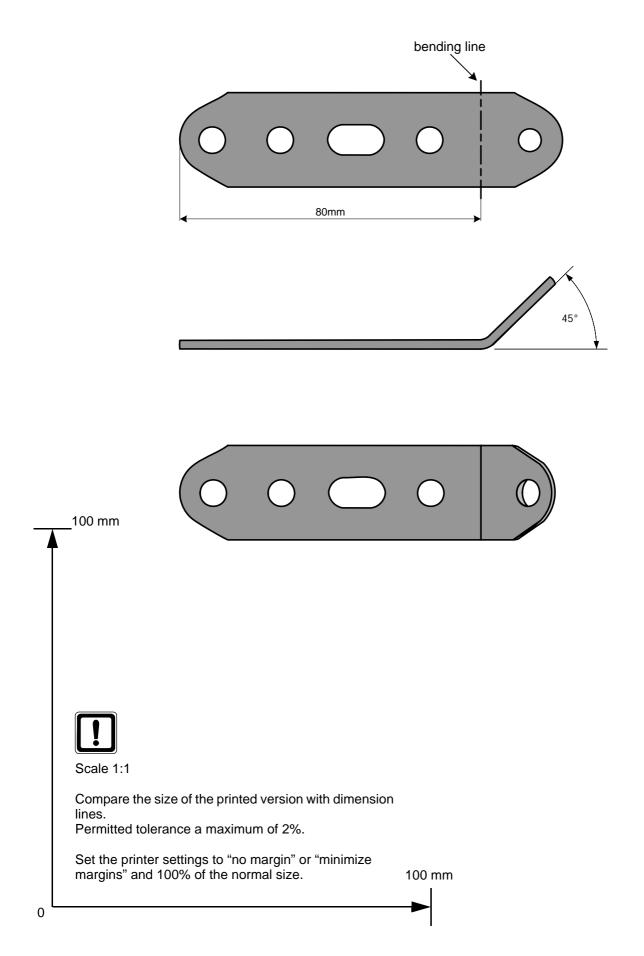
Webasto AG Postfach 80 - 82132 Stockdorf, Germany - Hotline +49-(0)1805-932278 Hotfax +49-(0)395-5592-353 - http://www.webasto.de

Printed in Germany 01,

01/07Printed by: Steffen



Template for Perforated Bracket A





Template for Perforated Bracket B

