

Thermo Top C Motorcaravan Additional Heater 00 0002

Installation Instructions

Iveco Daily

Diesel from Model Year 2006 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.

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Validity

Manufacturer	Model
Iveco	Daily

Engine type	Engine model	Output in kW	Displacement in cm ³
3.0	Diesel	110	3000
3.0	Diesel	130	3000

Vehicle and engine types, equipment variants and national specifications not listed in these installation instructions have not been tested. However, installation according to these installation instructions may be possible.

The installation location of a digital timer and changeover switch should be confirmed with the end customer before installation.

Heater Unit/Installation Kit

Quantity	Description	Order No.:
1	Basic delivery scope of Thermo Top C Motorcaravan	9015824A
1	Installation kit of Iveco Daily 3.0 liter Diesel	9016323B

Foreword

The installation instructions apply to the Iveco Daily vehicles with a Diesel engine - For the validity, see page 2 - from model year 2006 and later, assuming technical modifications to the vehicle do not affect installation, any liability claims excluded. Depending on the vehicle version and equipment, modifications may be necessary during installation with respect to these installation instructions.

However, where this is the case the stipulations in the "installation instructions" and "operating and maintenance instructions" for the *Thermo Top C Motorcaravan* should be observed. The corresponding rules of technology and any information from the vehicle manufacturer should be observed during the installation work.

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).

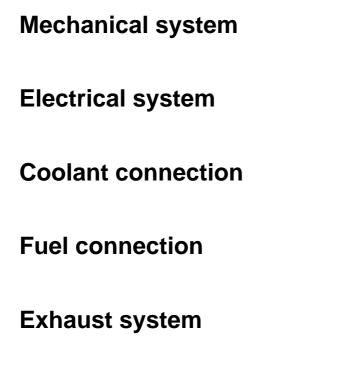
Spray unfinished body areas, e.g. drilled holes, with anti-corrosion wax (Tectyl 100K, Order No. 111329).

Special Tools

- Torque wrench for 2.0 10 Nm
- Hose clamping pliers
- Riveting pliers

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

$\langle \rangle$	

Special features are highlighted using the following symbols:





Specific risk of injury or fatal accidents.

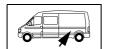
Specific risk of damage to components.

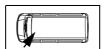
Specific risk of fire or explosion.

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



Reference to a special technical feature.



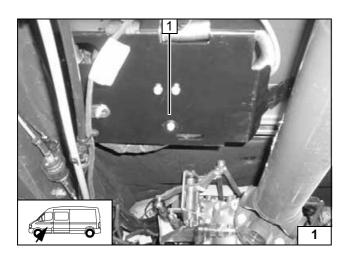


The arrow in the vehicle icon indicates the position on the vehicle and the viewing angle.

Preliminary Work

WARNING!

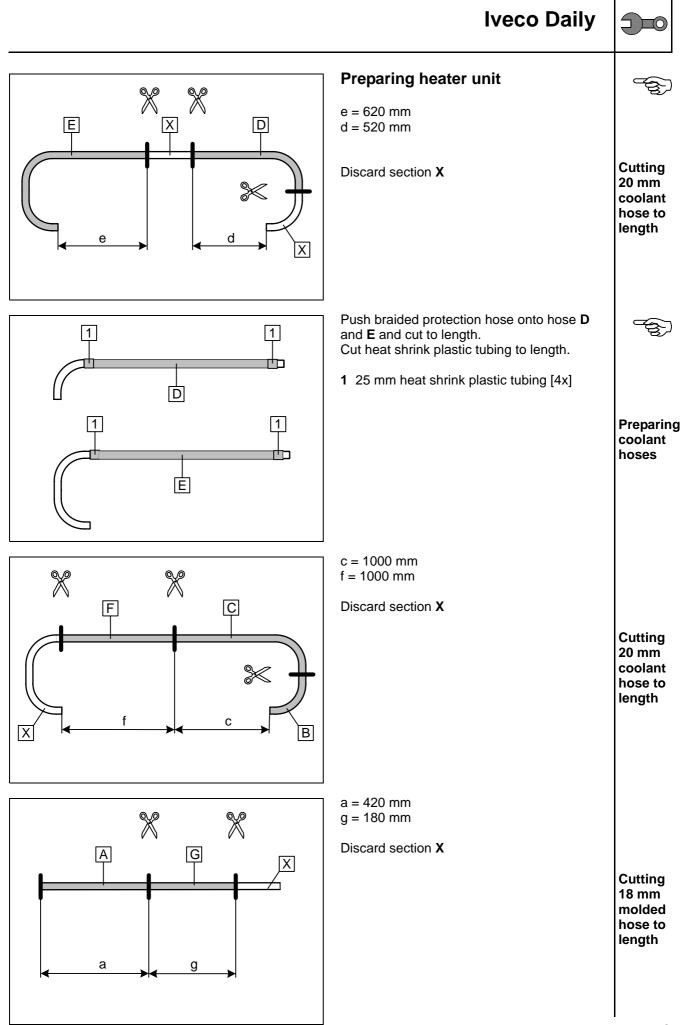
- Disconnect the battery "earth" or "ground" connection.
- Depressurize the cooling system.
- Copy the factory number from the original type label to the duplicate type label.
- Remove years that do not apply from the duplicate label.
- Attach the duplicate label (type label) in the appropriate place.
 Open the fuel tank cap, ventilate the tank.
- Close the tank cap again.
- Remove the glove compartment
- Remove the coolant expansion tank

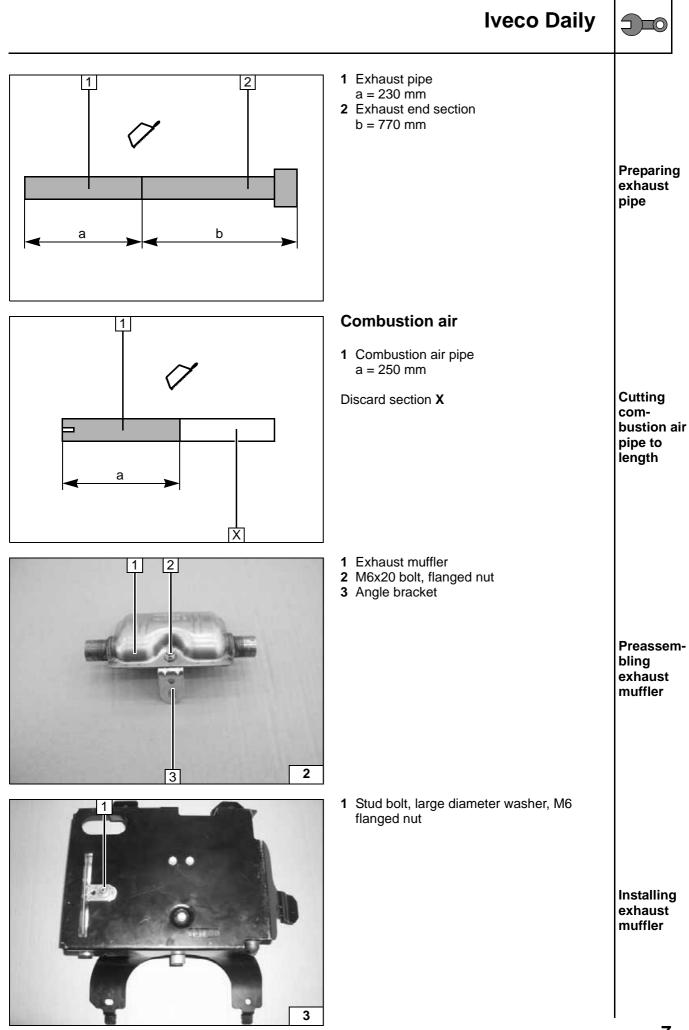


Heater unit installation location

1 Heater unit

Installation location





Iveco Daily 5 $\Box 0$ Tighten EJOT screws to 10 Nm! 2 2 1 1 Bracket 2 Ejot screw [3x] Preassembling 2 bracket on heater unit 4 Ensure proper installation position of air 2 3 intake muffler, see "Installation Instructions". 1 Combustion-air intake pipe 2 Combustion-air intake muffler 3 Cable tie 4 27 mm dia. hose clamp Installing intake muffler 5 1 Hose clamp 1 1 2 Exhaust insulation, 200 mm long 3 Exhaust pipe Preassembling exhaust pipe

3

3

2

1 Preassembled exhaust pipe

6

7

- 2 Hose section, 10 mm dia. hose clamp [2x]
- 3 Mecanyl fuel line, 1,000 mm long

Preassembling fuel line on heater unit and installing exhaust pipe

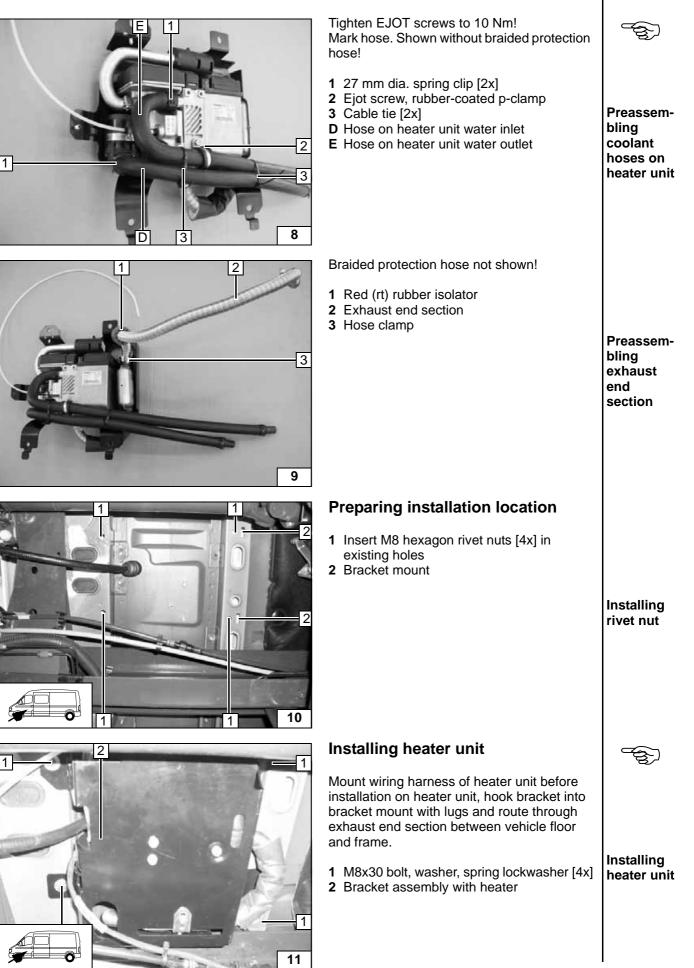


Image: Non-Strain Strain Str

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.

 Ensure proper installation position of metering pump, see "Installation Instructions".

- 1 Hose section, 10 mm dia. hose clamp [2x]
- 2 Metering pump connector
- **3** Metering pump mounting, M6x30 bolt, flanged nut
- 4 Metering pump
- 5 Mecanyl fuel line, 250 mm long
- 6 Molded hose, 10 mm dia. Calliau clamp [2x]
 7 8x5x8 fuel standpipe, 10 mm dia. hose clamp [2x]
- 8 Mecanyl fuel line from heater unit



Installation location of metering pump

Coolant connection

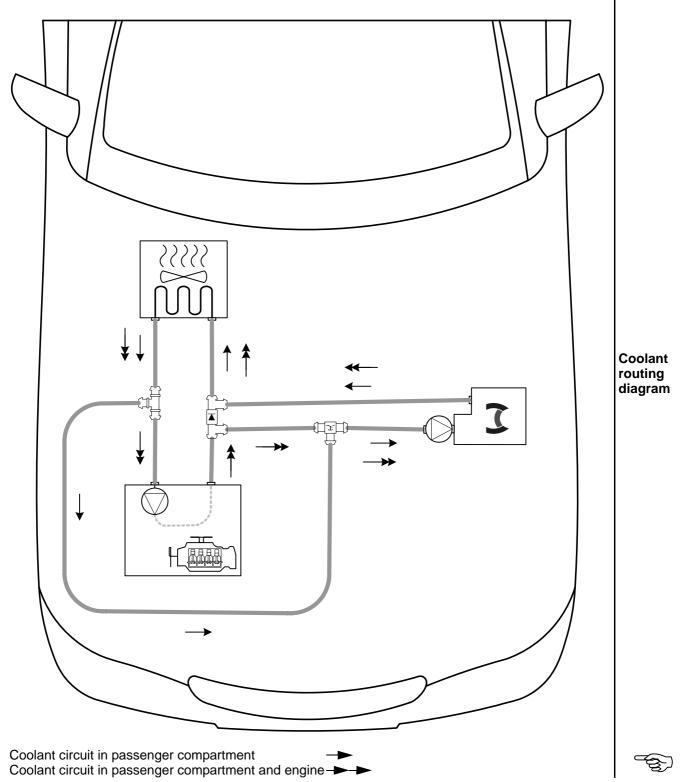
WARNING!

Tighten all hose clamps to 2.0 + 0.5 Nm.

Any coolant running off should be collected using an appropriate container!

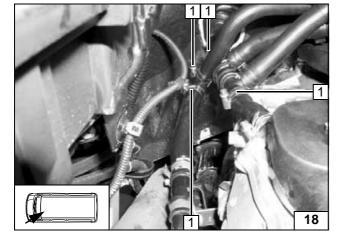
Install hoses so that they are kink-free. Unless specified otherwise, always fasten using cable ties. Position hose clamps and spring band clamps so that no other hose can be damaged.

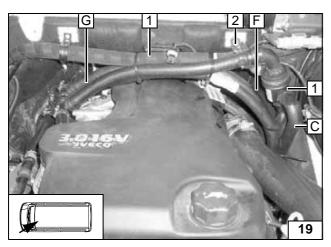
The connection should be based on the following diagram:

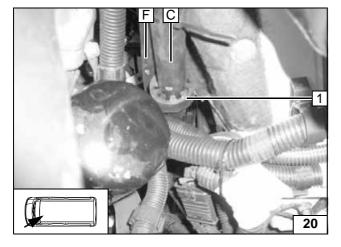


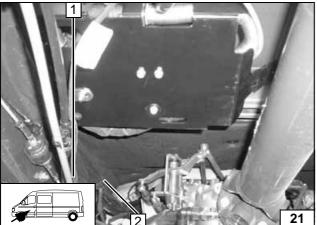
Iveco Daily 1 Check valve (watch direction of flow) Α В G 2 Rubber-coated p-clamp, perforated bracket, M6x20 hexagon bolt, flanged nut 3 Thermostat valve 4 Spacer bracket5 T-piece, 18x15x18 Preparing hose group 5 4 H 1 Spring clip 25 [4x] 1 1 2 2 3 2 Connecting pipe 18/20 [2x] **3** Spring clip 27 [3x] 4 Spring clip 22 З Preparing hose group 15 Λ **1** Heater unit outlet (F,E) 1 **2** Heater unit inlet (\hat{C}, \hat{D}) 3 Original vehicle return line 4 From engine outlet 5 5 To heat exchanger inlet 4 Connections 3 16 1 Original vehicle hose from engine outlet to heat exchanger inlet 2 Original vehicle return hose Ӿ ан a = 15 mm b = 100 mm Cutting points Discard hose sections

17









1 Hose clamp 2027 [4x]	
	Con- nection on vehicle side
 Spring clip 27 [2x] Original vehicle bolt 	
Connect hose F to hose G Connect hose C to thermostat valve Push black (sw) rubber isolator onto hose C	Routing in engine compart- ment
Mark hoses C and F and route downward	
1 Position black (sw) rubber isolator	
	Con- nection to engine outlet
Secure hoses and wiring harness of metering pump with cable ties while watching distance to steering spindle.	- 6 27)
 Spring clip 27, hose C and D Spring clip 27, hose E and F 	
	Con- nection on heater unit

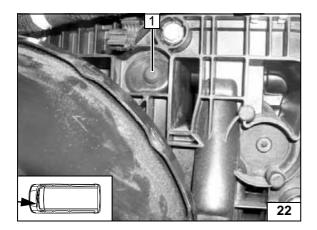
Electrical Connections

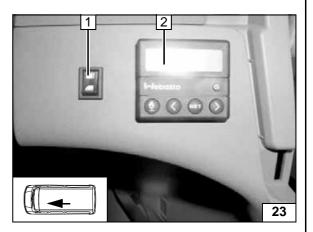
Wiring harness pass through

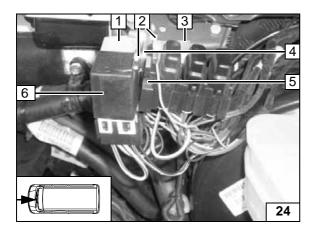
1 Protective rubber plug

Digital timer

- 1 Changeover switch
- 2 Digital timer

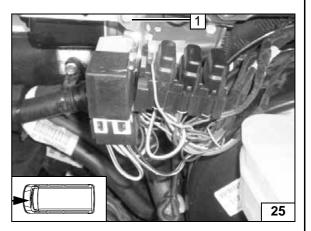






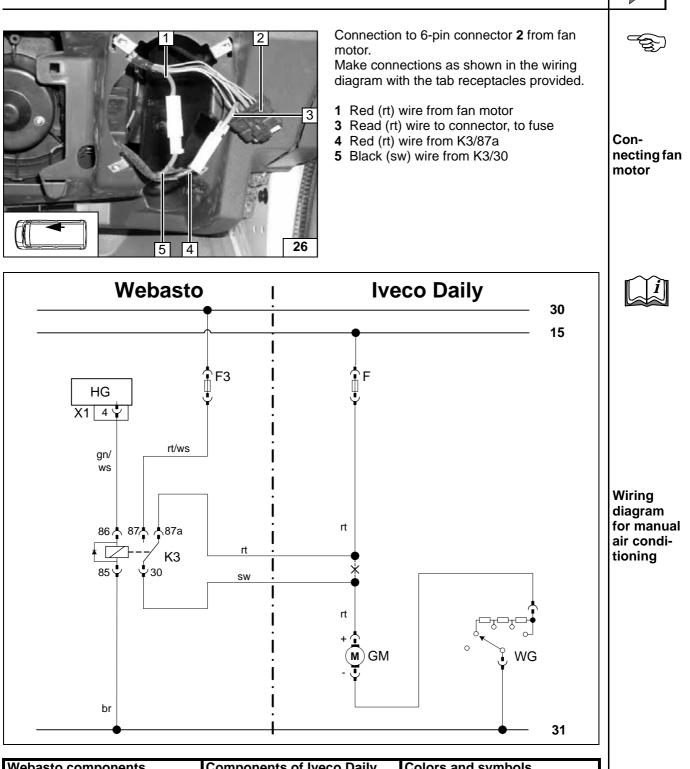
Preassembling fuse holder

- 1 K3 relay
- 2 M5x16 bolt, washers, M5 nut [2x]
- 3 K4 relay
- 4 Perforated plate angled downward
- 5 Fuse holder
- 6 K5 relay



Installing fuse holder

1 M6x20 bolt, washer, flanged nut



Weba	asto components	Com	ponents of Iveco Daily	Colo	ors and symbols		
HG	Heater unit TT-C/E	GM	Fan motor	rt	red		
X1	6-pin connector	WG	Resistor group	WS	white		
F3	Fuse, 25 A	F	Fan fuse	SW	black		
K3	Fan relay			br	brown		
				gn	green		bnor
						Leg	gend
				Х	Cutting point		
				Wirir	ng colors may vary.		

Final Work

WARNING!

Reassemble the disassembled components in reverse order.

Check all hoses, hose, spring and Caillau clamps, as well as all electrical connections for firm seating. Secure all loose cables using cable ties.

Only use manufacturer-approved coolant.

Spray the heater unit components with anti-corrosion wax (Tectyl 100K, Order No. 111329).

- Connect the battery
- Start the engine, bleed the coolant circuit according to the vehicle manufacturer's instructions and top up coolant
- Set the digital timer.
- Check the proper operation of the additional heater, see the operating instructions/installation instructions.
- Attach the "Switch off additional heater before refueling" sticker to the left-hand B-pillar.





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