Water heater





auxiliary heating Thermo Top C

installation instructions

Jeep Cherokee 2.8I CRD

Diesel exhaust model 2005Nur for LHD



ATTENTION!

Hazard warning:

Improper installation or repair of Webasto heating may cause fire or lead to leakage of deadly carbon monoxide. This Ki-NEN serious injury or death caused.

For installation and repair Webasto heating and cooling systems are needed ei-Specialist company training, technical documentation, special tools and special equipment.

NEVER attempt to install Webasto heating or cooling systems, or not repaired-Center, if you have the company training not completed successfully and thereby acquired the necessary technical skills and necessary for proper equitable th installation and repair technical documentation, tools and equipment To be available.

ALWAYS carefully follow Webasto installation and repair instructions and heed all warnings.

Webasto rejects any liability for problems and damage, which are due to installation by untrained personnel.

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validity

DaimlerChrysler (USA) Cherokee KJ e4 * 98/14 * 0058	manufacturer	Tradename Type		EC type approval number. / ABE
	DaimlerChrysler (USA) Cherokee		КJ	e4 * 98/14 * 0058

engine type	Engine Type	Power in kW	Displacement in cc
30C and 31C (ENR)	diesel	120	2776

Vehicle and engine types and equipment variants, which are not listed in these installation instructions have not been tested. Installation according to these installation instructions may be sein.Der installation of timer and summer / winter switch should be confirmed prior to installation with the customer!



Heater / Installation Kit

amount	designation	Order No .:
1	Heater TTC-D with delivery	89244D

In addition:

amount	designation	Order No .:
1	Kit Chrysler Cherokee TTC-D from MJ05	90141 86A

NOTE: When installing the heater in vehicles of MJ 2005. Prod Date is earlier. 15/05/2005 (MDH 0515xx) after installation to the latest motor SG - It software fro's instructions to flash..

foreword

These installation instructions apply for the vehicles Chrysler Cherokee 2.8 CRD diesel

- Validity, see page 2 - from model year 2005 and later, when technical modifications to the vehicle do not affect installation, without any liability claims. Depending on the version and features of the vehicle may be necessary during installation with changes in relation to this "installation instructions".

In any case, however, the provisions of the "Installation Instructions" and "Operating and Wartungsan-instructions" for the *Thermo Top C* to befolgen.Die relevant codes of practice and any information provided by the vehicle manufacturer must be observed during installation.

General information

Installation is carried out in accordance with the generally accepted rules of technology. Unless otherwise described-ben, fasten hoses, lines and wiring harnesses with cable ties to driving-generating own lines and Kabelbäumen.Scharfe edges are to be fitted with edge protectors (split fuel hose)! Bare body parts, such as holes, are with corrosion wax (Tectyl 100K, Order no. 111329).

special tool

-Drehmomentschlüssel For 2.0 to 10 Nm -Abklemmzangen -Winkelbohrmaschine

Notes to the document

To give you a quick overview of the individual steps, you will find an identification mark on the outside edge of the top right of each page.

Mechanical work

Electrical integration

water involvement

Fuel integration

exhaust system

combustion air













Special features are highlighted by the following symbols:



special risk of injury or death Un-cases

particular risk of damage to components

Special fire and explosion hazard

Reference to general installation instructions of Webasto component or to vehicle-specific documentation of the manufacturer



Recalling a technical feature



The arrow in the vehicle icon shows the position on the vehicle and the $\ensuremath{\mathsf{Blickrichtung}}$

Removing battery! -Pressure Drain the cooling system! transmitted -Fabriknummer the nameplate original on the nameplate duplicate Dismantle -Motorabdeckung Do not remove -The correct year from the duplicate label Attach -Duplikatschild (nameplate) at a suitable location visible -Sicherungskasten From holder unclip and harnesses back to the bulkhead klap-pen

Removing -Batteriegrundplatte Dismantle headlights left Removing radiator grille dry and remove clips at the top and grill pull upwards Removing -Fußraumverkleidung driver's side Open -Tankdeckel, aerate tank close -Tankdeckel again



1 Clips of the grille mounting

tricks and Tips



1 heater

Fitting heater

Vorarbei th



Electrical integration

Harness implementing

1 grommet

preselection

1 preselection



Fuse holder, K3 relay

1 K3 relay, tapping screw 5,5x9,5, Slice 2 Retaining plate, fuse holder, tapping screw

5,5x9,5, Slice

Option summer / winter switch

1 Summer / winter switch, bore Ø 12mm

blower control:

The vehicles tested in auxiliary heating operation was not tripped Innenraumüberwachung.Eine control / switching off the inner-area monitoring is therefore not vorgese-hen!



Note for driving vehicles with interior space overmonitoring

3





The fan unit is controlled at the output (terminal 87) of the vehicle's own Geblä-serelais (1) at the fuse / relay carrier (PDC) in Motorraum. Verbindungen with connectors as shown in wiring diagram produced (Crimp and Schrumpfen)

Blower dently or-tion on Siche-reNCy / Re-laisträger

1 Line rt from blower relay K3 / 87a2 Line sw from blower relay K3 / 30

3.4 Transmixers line green / red 5 Fuse / relay carrier

Fasten harness with cable ties

Blower dently or-tion on Siche-reNCy / Re-

laisträger





8th





Option telestart

Attach bracket to the existing hole of the steering column on befestigen.Empfänger holder and producing electricalcal compounds.

1 holder2 receiver3 Screw M5x16, large washer,

Bundmutter



Receivers-ger Montie-ren



1 antenna

antenna mount



а

Х

Ready-Abgasleitung

 $\square 0$

Cut Water hoses

Water Tubing-che preprepare

Water Tubing-che pre-

prepare



holder (4) with vehicle-own screw (3) loosely fix

 $1\ transmitted\ hole\ pattern,\ thereby\ pierce\ the\ two\ match-lying\ other\ plates 2\ Spacer\ 8mm3\ Transmixers\ screw\ 4\ holder 5\ transmitted\ Hole$

transmitted Holder Hole

gene

1.2 drilling Ø7mm

Prepared holes-gen drill

Ejotschrauben, tightening torque 10 Nm!

1 Ejotschrauben (3x)

heater preassemble d animals

1 hose clamp2 Connecting pipe 20/203 Hose clamp 10mm4 hosepieceA molded hose

19

12

heater preassemble d animals











exhaust pipe (1) embarrassment between longitudinal beams and radiator down.

1 exhaust pipe

solve transmixers screw and holder **(2)** Forward ziehen.Bundmutter with needle-nose pliers to bore plat-decorate.

1 Collar nut M6

Heater with 3 M6x20 screws fasten-gen.

1 M6x20 bolt, spring washer2 Spacer 8mm3 exhaust pipe

> heater mount











732-

Bundmut-ter positioned

kidneys



Abgasleitung mounted animals



1 Abgasendstück2 hose clamp3 Exhaust silencer4 M6x20 bolt, flanged nut5 angle



ليان رب

animals

mounted exhaust silencer with vehicle own screw and connect exhaust pipe.

1 Transmixers screw

Exhaust soundabsorber

To a constant of the second se

mount



2345

water involvement

ATTENTION!

All hose clamps with 2.0 + 0.5 Nm Tighten! Leaks cooling water is collected using an appropriate container! Embarrassed water hoses without any kinks! Unless stated otherwise, the attachment is with Ka-belbindern! Hose and hose clamps position so that no other tube can be beschä-interred The connection should be "inline" based on the following scheme!:



- 1 A vehicle-onboard water hose from
 - Motor outlet to the heat exchanger-a-enters



1

A Molded hose "A"1 hose clampB Water hose "B"2 Cable ties (3x)

22





Combustion air integration

1 Combustion air pipe a = 300mm

- ----

section ${\bf X}$ to dispose

Combustion air line fromlengths

 $\begin{array}{l} 1 \text{ Brennluftansaugschalldämpfer2 cable} \\ \text{ties3 combustion air intake} \end{array}$



combustion air mount



fuel Connection

CAUTION!

Open tank lid lock of the vehicle, vent the tank and close tank cap again!

Escaping fuel with an appropriate container!

Install fuel line and wiring harness dosing pump so that they are protected against falling rocks! Unless stated otherwise, always fasten using cable ties to sharp edges fuel line and wiring harness with chafing protection provided!

ATTENTION!

5

Laying the fuel line and wiring harness to the dosing pump is done according to scheme Kabelbaumver-interpretation.



1 Mecanyl fuel line

Mecanyl fuel line with hose clamp 10mm at the heater

embarrassed Mecanyl fuel line and metering pump wiring harness under the brake booster and from there INTR-gen along the vehicle's own on the bulkhead down

1 Mecanyl fuel line, wiring harness metering pump

2 cable ties

1

2

36

3

4

angle (1) the long hole to Ø 10mm aufboh-ren

1 angle2 Vibration mounts, flanged nut 3 metering pump 4 Rubber pipe clamp5 Bundmutter





advises Heizge port on



Lay cables



Dosing pump premount

1 Transmixers M10 screw the tank

2 Hose, hose clamps Ø10mm 3 Mecanyl fuel line (on pressure side

the metering pump)

holder

37

4 Harness dosing pump

Dosing pump

mount



3 2

39

1 Fuel supply line2 Fuel pickup 8x5x8 metal3 Hose clamps Ø10mm



fuels

1 Hose, hose clamps Ø10mm 2 Mecanyl fuel line (on the suction side

the metering pump)

3 Hose, hose clamps Ø10mm

Brennstof-fentneh-mer subse-

KISSING





Final work

ATTENTION!

Spray removed parts in reverse order montieren. Alle hoses, hose, spring and Caillau clamps, as well as all electrical connec-se prüfen. Alle tightness loose cables with cable ties sichern. Heizgerätekomponenten with corrosion wax (Tectyl 100K, Order no. 111329),

connect battery

Start -Motor, coolant circuit venting according to the vehicle manufacturer, add coolant. Coolant circuit check for leaks by the manufacturer's instructions.

Set -Vorwahluhr

Set -Fahrzeugheizung with climate control and without automatic climate control under "Operating instructions for the end user"

Function of auxiliary heater check, see operating instructions / installation instructions "Switch off the auxiliary heating system before refueling" -Aufklebeschild attach to the B-pillar, left



Clip the fuse box in base to new Posi-tion, align harnesses and if necessary install befestigen.Batterie and secure.

1 Private Vehicle relay2 cable ties

relay fix



Feel the drive

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Operating instructions for the end user

Please refer to page and add to the vehicle operating instructions

Before parking the vehicle make the following settings:



1 Temperature control to "max./high"2 Fan to position "1", possibly "2" $\,$

3 Air outlet to "windscreen"