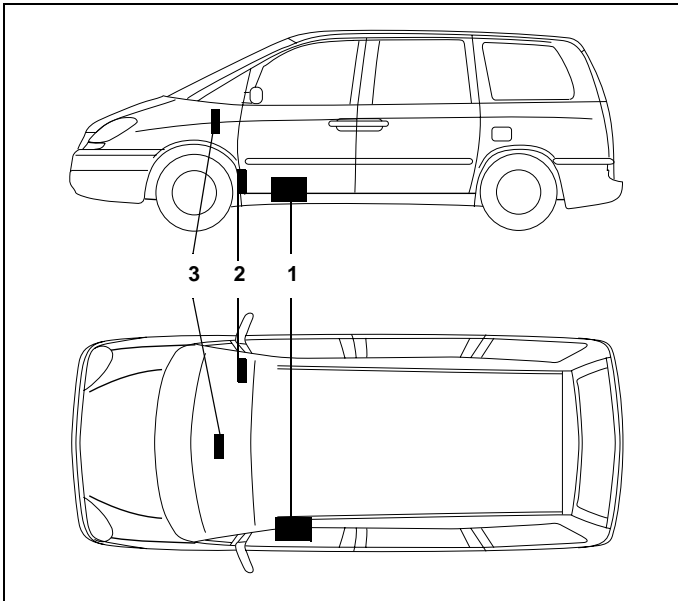


Thermo Top C auxiliary preheating system ^{e1} 00 0002



Upgrade to auxiliary preheating system C

Citroen C8
Fiat Ulysse
Lancia Phedra
Peugeot 807

Diesel

For LHD only

All equipment levels

See page 2 for validity details

Legend for Figure 1

- 1 Thermo Top Z -D heater
- 2 Flat fuse holder and blower relay
- 3 Timer



IMPORTANT

Danger warning:

Improper installation or repair of Webasto heating and cooling systems can cause fire or the leakage of deadly carbon monoxide leading to serious injury or death. Installation and repair of Webasto heating and cooling systems requires special factory training, technical information, special tools and special equipment. NEVER attempt to install or repair Webasto heating or cooling system unless you have successfully completed the factory training course and have the technical skills, technical information, tools and equipment required to properly complete the necessary procedures. ALWAYS carefully follow Webasto installation and repair instructions and heed all WARNINGS. Webasto rejects any liability for problems and damage caused by the system being installed by untrained personnel.

Validity

Manufacturer	Trade name	Typ	EC licence No.
Fiat	Ulysse	U60	e2*98/14*0255*..
Lancia	Phedra	U60	e2*98/14*0255*..
Peugeot	807	U60	e2*98/14*0254*..
Citroen	C8	U60	e2*98/14*0254*.

Engine type	Engine type	Output in kW	Displacement in cc	Air-conditioning system
4B4H	Diesel	79	1997	Automatic
4B4H	Diesel	94	2179	Automatic

NOTE:

Vehicle types, engine types and equipment versions that are not listed in these installation instructions have not been tested. It may still be possible to make the installation as described in these installation instructions, however.

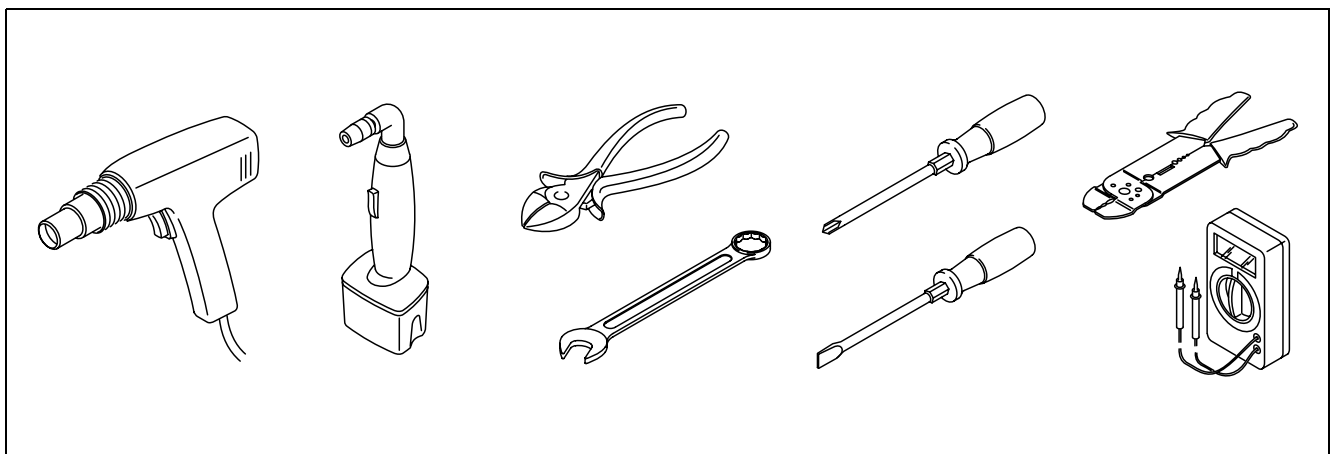
Heater / Installation kit

Quantity	Description	Order No.
1	<i>Thermo Top C - D</i> upgrade kit with scope of delivery	13 018 51B

Foreword

These non-binding upgrade instructions apply to the Citroen C8, Fiat Ulysse, Lancia Phedra, Peugeot 807 (see cover sheet for validity) model year 2002 and later, unless technical modifications on the car influence the installation, excluding all liability claims. Depending on the version and equipment in the car, changes may be required to the installation work set out in these installation instructions.

In any event, however, the directives in the “installation manual” and “operating and servicing manual” *Thermo Top C* must be followed. The appropriate engineering conventions and any instructions from the vehicle manufacturer must be observed for the installation work.



Note

- Secure hoses, cables and wiring harnesses with cable ties and fit protective hoses around them at chafing points
- Insulate open cable connections

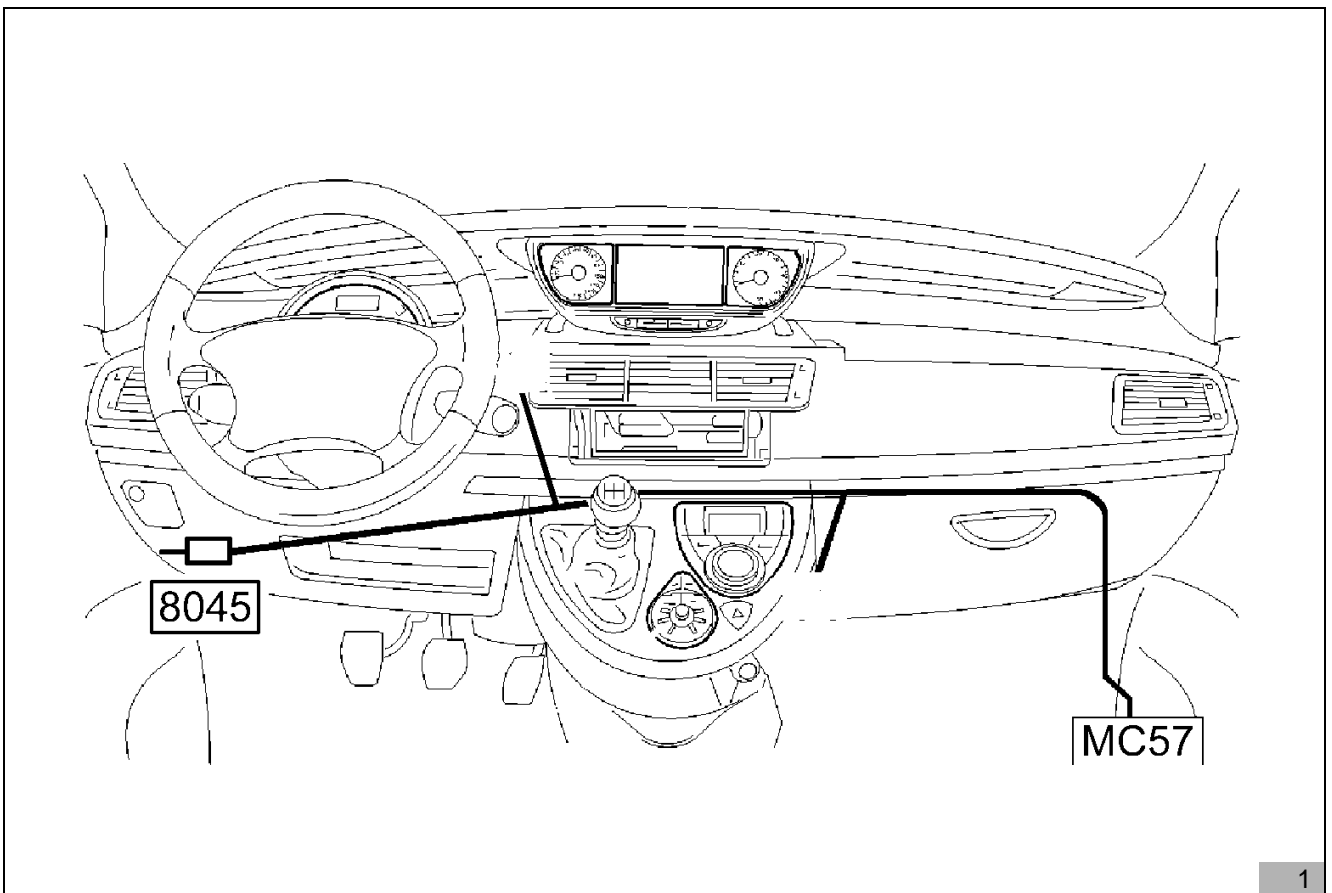
Preparations

- Disconnect the battery (see BRE 1000)
- Remove the glove compartment
- Remove the right-hand section of the heating group
- Remove the left-hand section of the casing under the dashboard(see BRE 0996 dashboard manual)



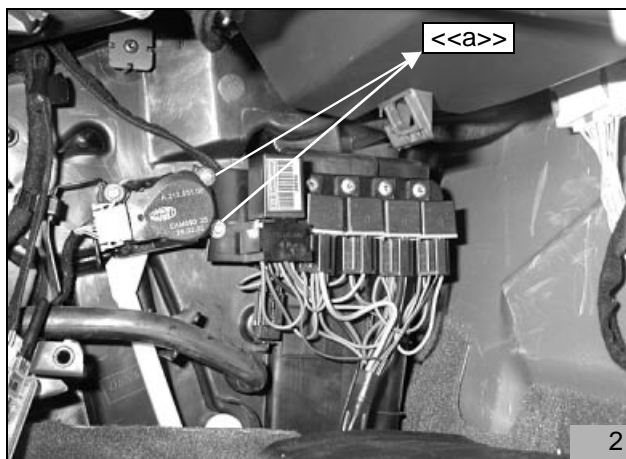
Interior

- Lay the wiring harness as shown in the schematic drawing near the centre console and secure it with cable ties



Relay holding plate

Secure the relay holding plate with the screws for the servo motor << a >>

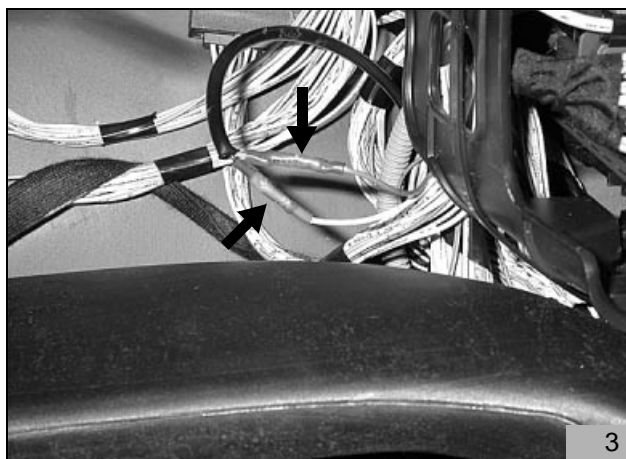


B

- Identify the spare cables APS C002A and C002D in the standard cable loom behind the BSI control module.

Make the connections:

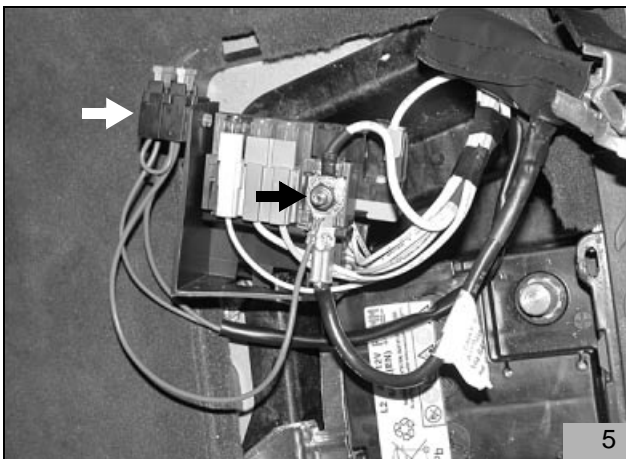
- Cable C002A to cable VE from the relay IV
- Cable C002D to cable NR from the relay IV



- Connect the earth cable to earth post MC57 in the vehicle



- Lay the wiring harness with the fuse holder and earth cable to the battery
- Remove the positive distributor holder next to the battery compartment
- Drill the hole with a diameter of 4 mm
- Secure the holding plate for the fuse holder with a countersunk screw and nut to the positive distributor holder
- Attach the fuse holder to the holding plate
- Connect the positive cable to the positive pole

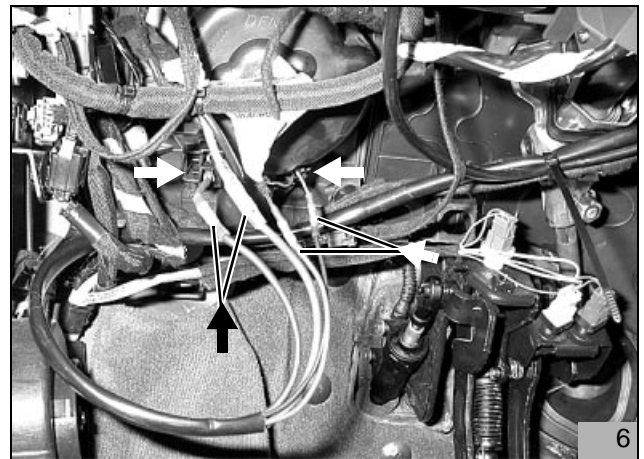


Left-hand side of the vehicle

- Disconnect the two-pin plug NR from the main blower motor 8045
- Disconnect cable RG 4 mm²

Make the connections:

- Connect cable RG to the plug with the cable NR from relay II, terminal 30
- Connect cable RG from the standard wiring harness to cable RG from relay II, terminal 87A
- Disconnect the two-pin plug on the control side
- Disconnect cable JN/NR 0.5 mm²



Make the connection

- Connect cable JN/NR to the plug with cable NR from the voltage divider I terminal 87(A)
- Connect cable JN/NR from the air-conditioning unit with cable RG from the voltage divider I terminal 30(E)

Important

Do not press on the LCD display as you install the digital timer

Note

The installation site for the digital timer shown in the figure is only a recommendation. Before installation, please agree the installation site with your customer

- Position the drilling template for the timer
- Drill two holes using the template
- Remove the template
- Pull the wiring harness for the timer through the hole
- Connect the plug to the timer



Note

To avoid damaging the timer, do not tighten the self-tapping screw too much.

- Secure the timer with the self-tapping screw
- Put on the cover

Thermo Top C

- Identify the cables APS C002A and C002D in the cable loom behind BM34

Connect the wiring harness

- Cable C002A to cable VE
- Cable C002D to cable NR

- Lay the wiring harness to the engine control module ECM 1320

- Secure the wiring harness with cable ties

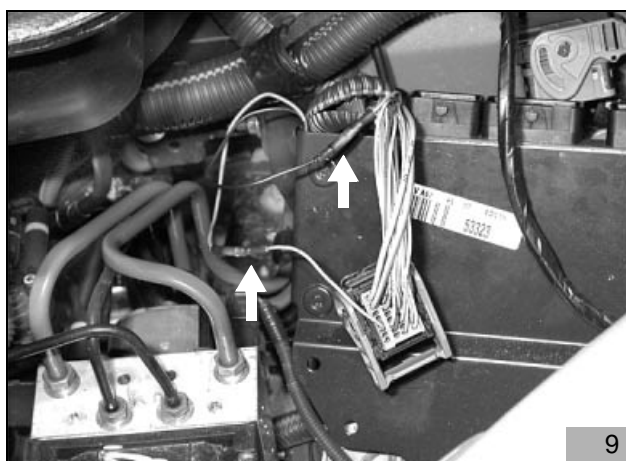


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- Disconnect the plug 32V BE from the ECM 1320

Connect the wiring harness

- Disconnect cable BE (8097) to PIN 1C
- Cable VE to the cable to the plug
- Cable NR to the cable to the plug



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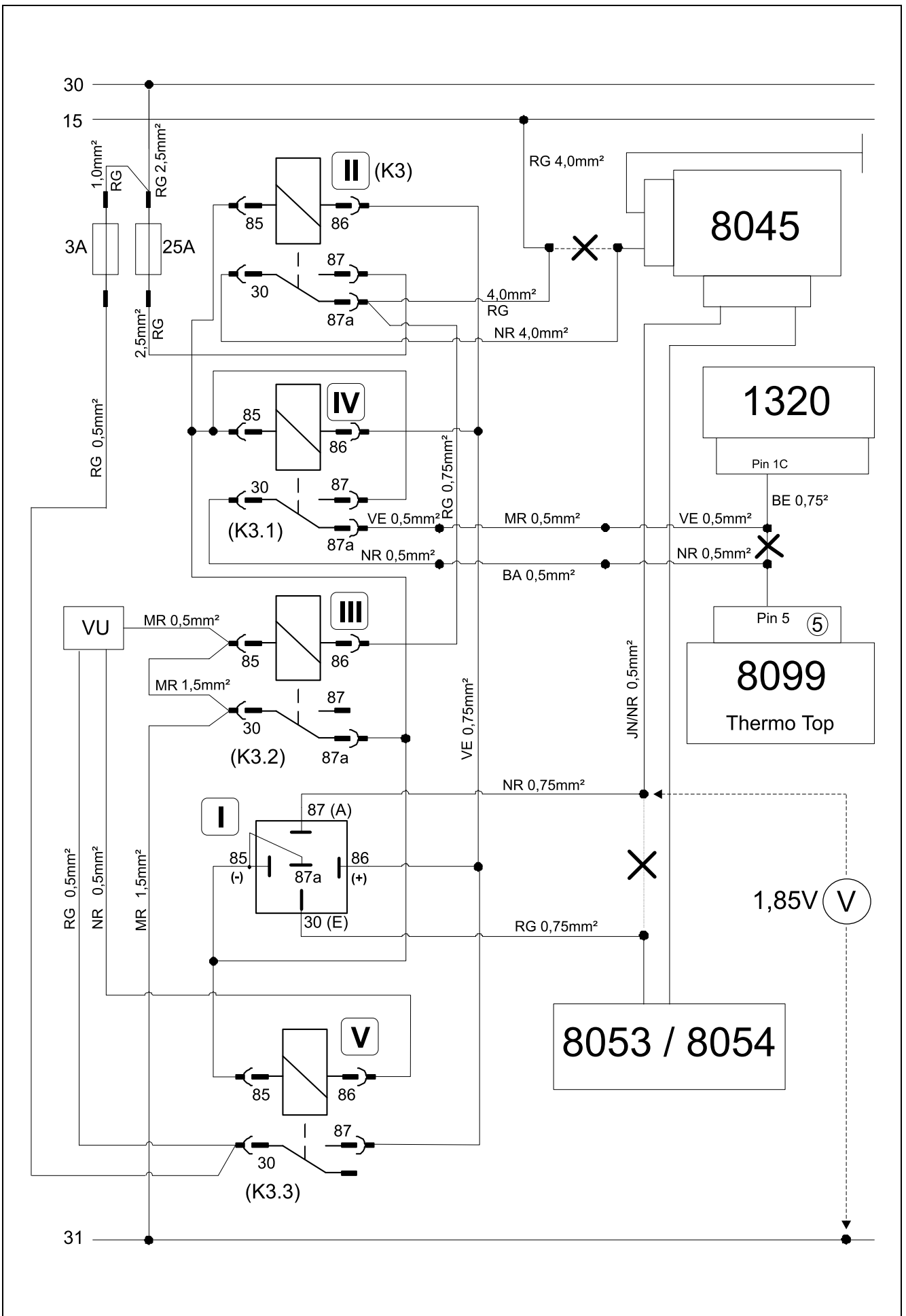
Legend for circuit diagram

Cable colours

BA	white
BE	blue
JN	yellow
MR	brown
NR	black
RG	red
VE	green
JN/NR	yellow/black

Components

1320	Engine control module (ECN)
8045	Blower control
8053 / 8054	Air-conditioning control
8099	Heater (= Thermo Top Z)
APS	Spare cable
BSI	Control module
BM34	Relay holder in the under-bonnet compartment
MC57	Earth post
BRE 0996	Installation instructions



Concluding work

- Install all the removed parts in reverse
- Check that all electrical connections are tight
- Secure all loose lines and cables with cable ties
- Connect the vehicle battery (see BRE 1000)
- Conduct a function test
- Set the voltage divider I at terminal 87(A) to approx. 1.85 V
- Add the operating instructions for the timer to the owner's manual for the vehicle – Comfort section.