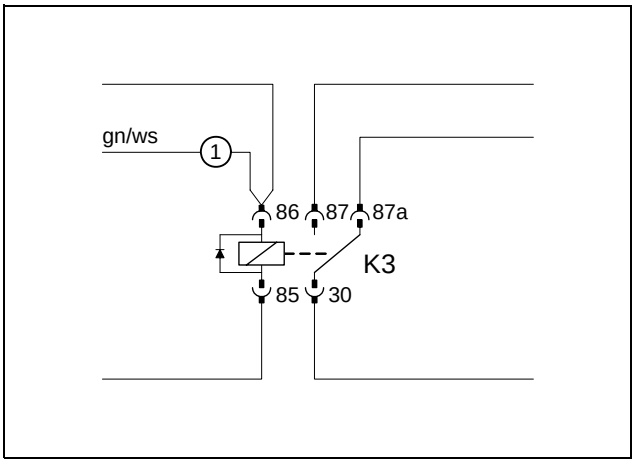
Brief Installation Documentation

Fan Controller without BSI Integration

Peugeot 3008 / 5008

Installation kit to be used

Quantity	Description	Order No.:
1	Installation Kit for Fan Controller without BSI Integration Peugeot 3008 / 5008	1315783A

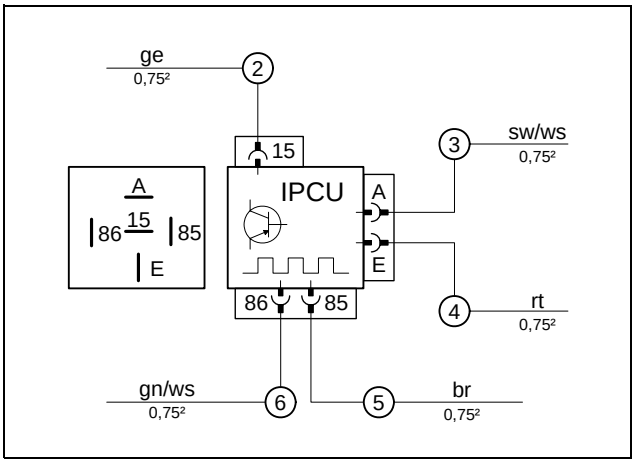


Preparing electrical system

All vehicles

Produce connections as shown in wiring diagram. Pull wire section **1** into protective sleeving and route into passenger compartment.

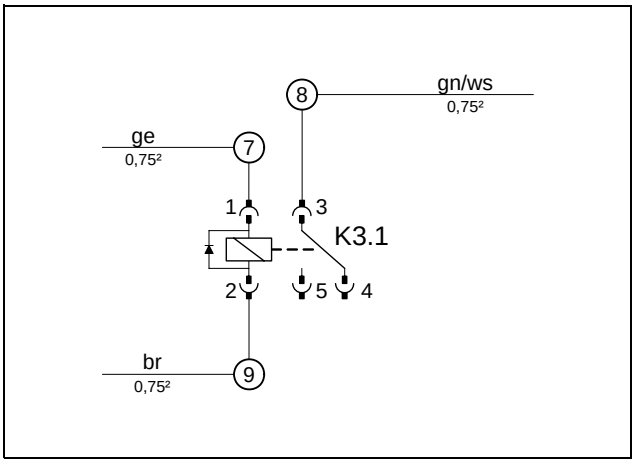
Preparing K3 relay



Connect yellow (ge) wire ② to socket of IPCU/15. IPCU view on contact side! Wiring harness for IPCU is prefabricated.
The preprogrammed adjustment values must be checked and if necessary adjusted during the operating check on the vehicle!

Duty cycle: 100 %
Frequency: 14 kHz
Voltage: 1,7 V
Function: High-side

Preassembling IPCU

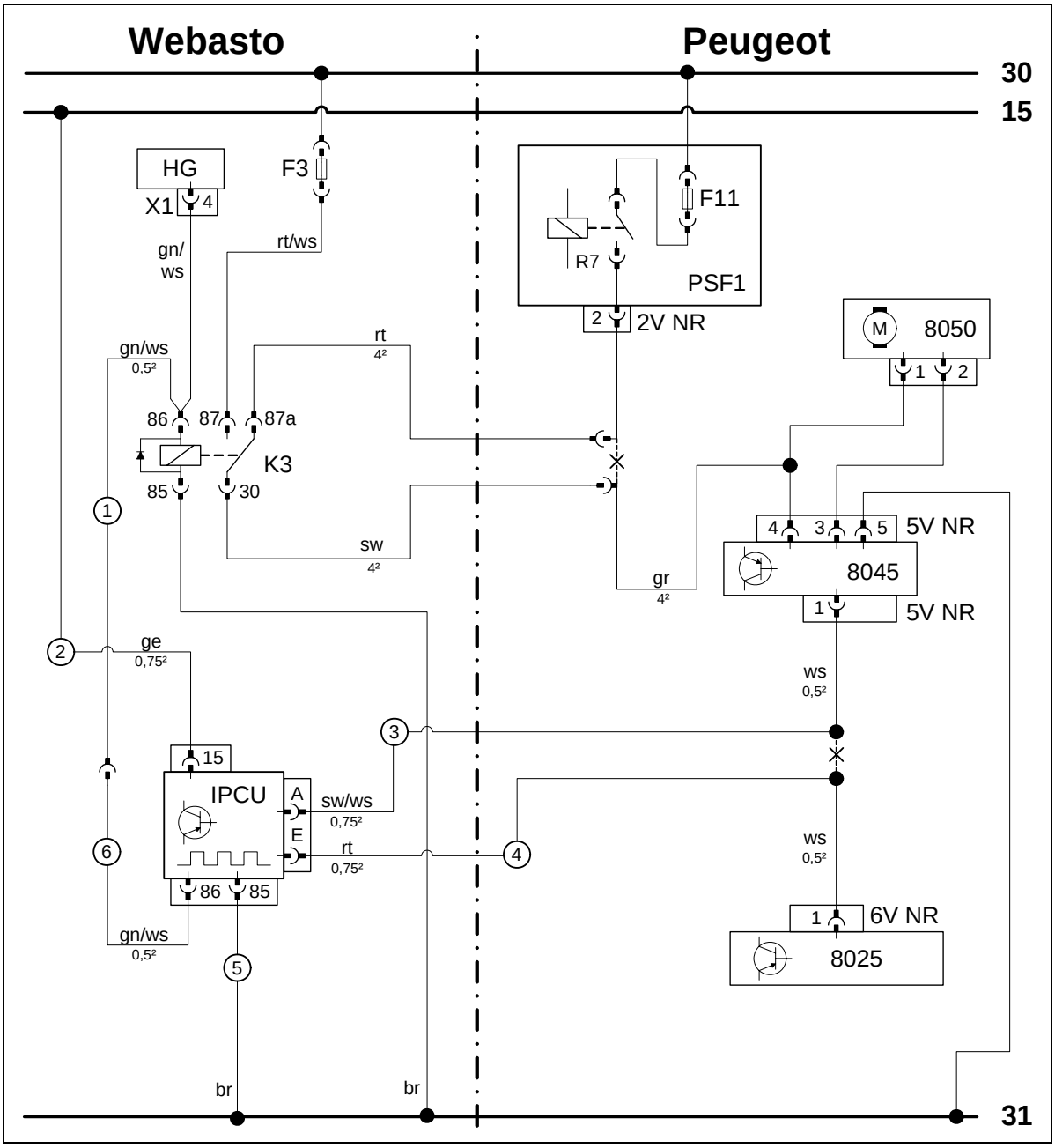


In addition with automatic air-conditioning

Produce connections as shown in wiring diagram.

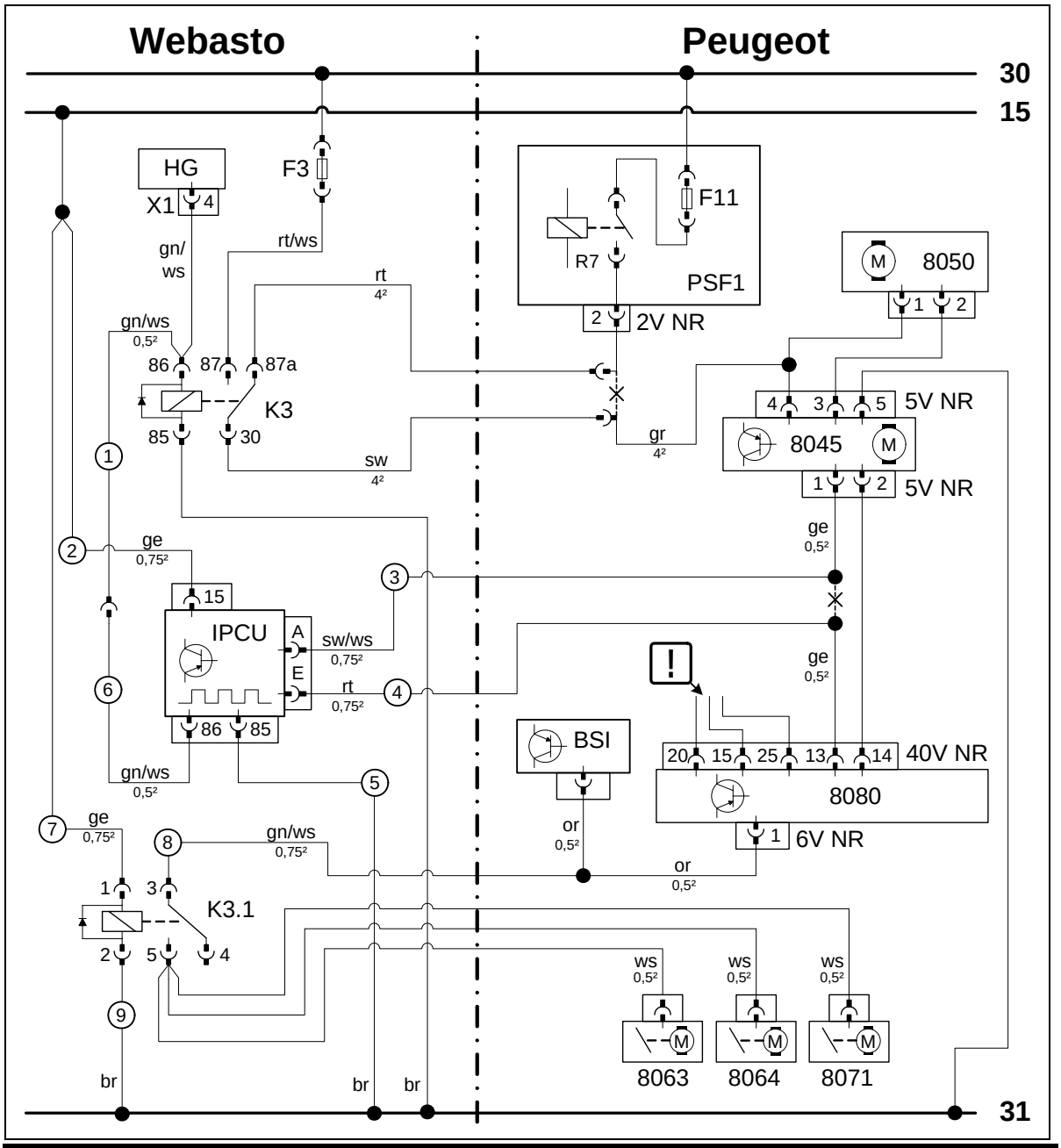
Preparing additional relay K3.1

Wiring diagram for manual air conditioning



Webasto components		Vehicle components		Colors and symbols	
HG	Heater unit TT-C/P	8025	A/C control unit	rt	red
X1	6-pin heater unit connector	8045	Fan controller	ws	white
F3	25 A fuse	F11	Fuse	sw	black
K3	Fan relay	PSF1	Operating PCB in engine-compartment fuse box	br	brown
IPCU	Pulse width modulator			gn	green
		8050	Fan motor	gr	gray
				ge	yellow
				gr	gray
				X	Cutting point
				Wiring colors may vary.	

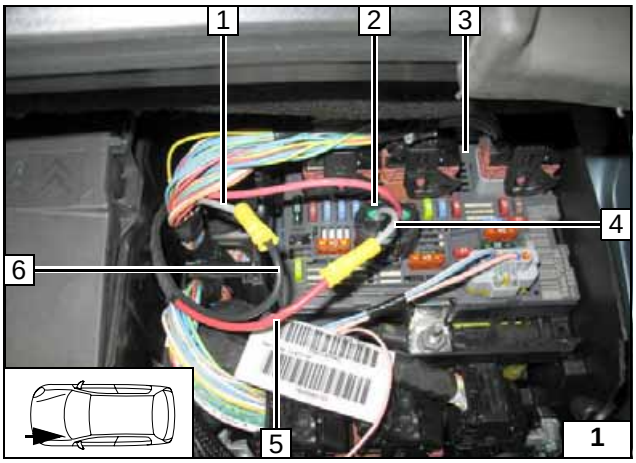
Automatic air-conditioning circuit diagram



Webasto components		Vehicle components		Colors and symbols	
HG	Heater unit TT-C/P	8080	A/C control unit	rt	red
X1	6-pin heater unit connector	8045	Fan controller	ws	white
F3	25 A fuse	F11	Fuse	sw	black
K3	Fan relay	PSF1	Operating PCB in engine-compartment fuse box	br	brown
IPCU	Pulse width modulator			gn	green
K3.1	Additional relay	BSI	Central switching unit	or	orange
		8071	Positioning motor for air distribution flap	ge	yellow
				gr	gray
		8063	Positioning motor for mixing flap		
		8064	Positioning motor for mixing flap	!	Move out wire ends and insert together in K3.1/5
		8050	Fan motor		
				X	Cutting point
				Wiring colors may vary.	

Wiring diagram

Legend

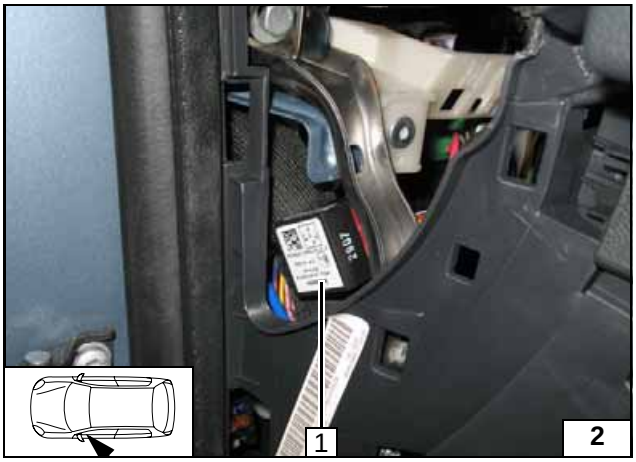


Fan controller

Connection on 2-pin connector **2** from operating PCB in engine-compartment fuse box (PSF1) **3**.
Produce connections as shown in wiring diagram.

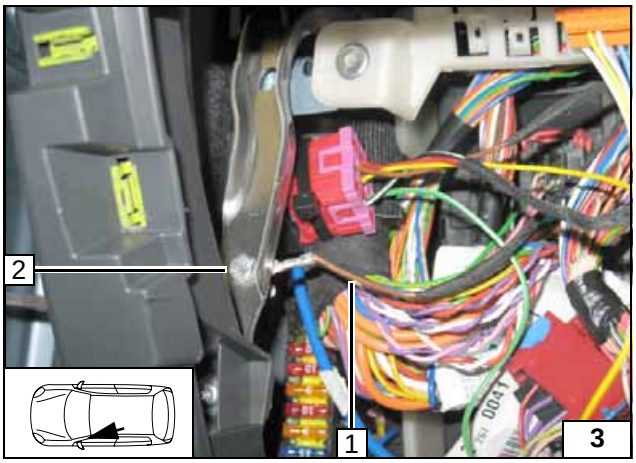
Connection on PSF1

1 Gray (gr) wire of fan module
4 Gray (gr) wire of 2-pin connector PSF1, Pin2
5 Red (rt) wire from K3/87a
6 Black (sw) wire from K3/30



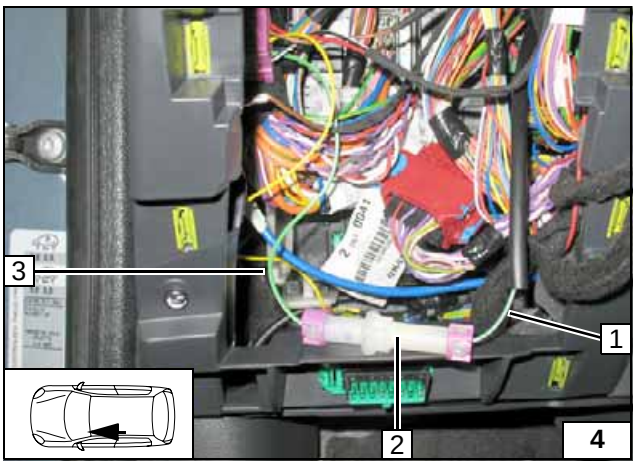
Fasten socket of IPCU on original vehicle wiring harness with cable tie. Mount IPCU **1** .

Installing IPCU



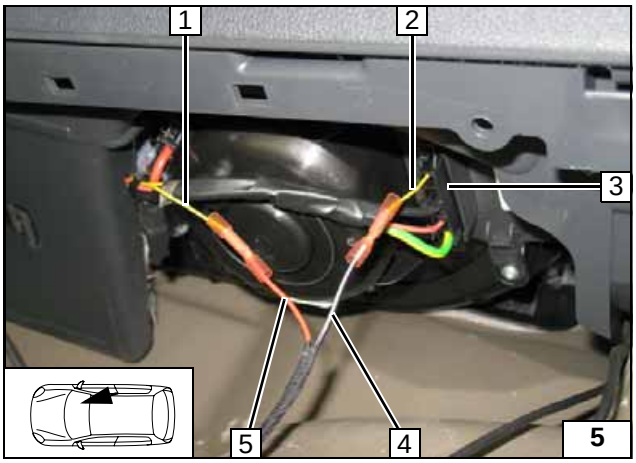
1 Brown (br) wire ⑤ of IPCU/85
2 M5x16 bolt, flanged nut, existing hole

Ground connection of IPCU



1 Green/white (gn/ws) wire ① K3/86
2 AMP connector
3 Green/white (gn/ws) wire ⑥ IPCU/86

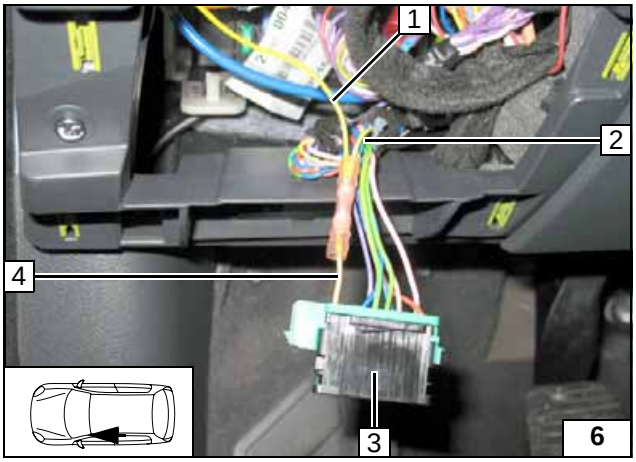
Connecting IP-CU/86



Connection on 5-pin connector **3** from fan controller.
Produce connections as shown in wiring diagram.

1 Yellow (ge) wire of A/C control panel
2 Yellow (ge) wire of 5-pin connector, Pin1
4 Black/white (sw/ws) wire ③ of IPCU/A
5 Red (rt) wire ④ of IPCU/E

Connecting fan controller

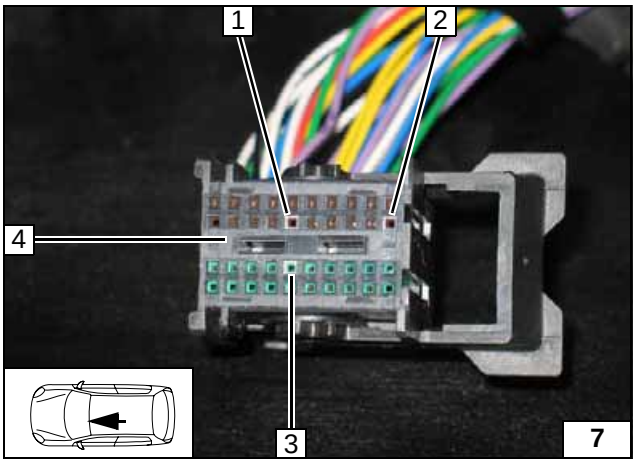


Manual air conditioning

Produce connections as shown in wiring diagram.

1 Yellow (ge) wire ② of IPCU/15
2 Yellow (ge) wire of Terminal 15
4 Yellow (ge) wire of OBD socket outlet, Pin1

Connecting IPCU Terminal 15

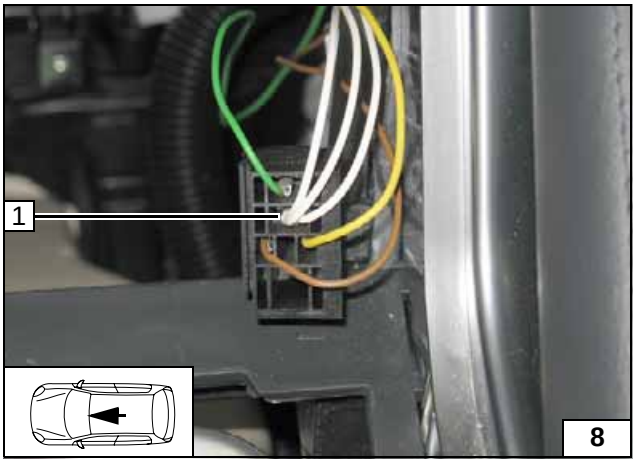


Automatic air-conditioning

Remove white (ws) wires for positioning motors [3x] from 40-pin connector of A/C control panel **4**.
Produce connections as shown in wiring diagram.

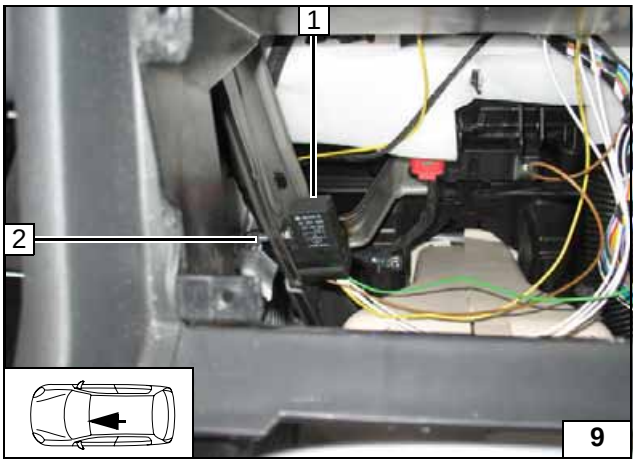
1 White (ws) wire of Pin15 (8064)
2 White (ws) wire of Pin20 (8063)
3 White (ws) wire of Pin25 (8071)

Connecting central electrical box



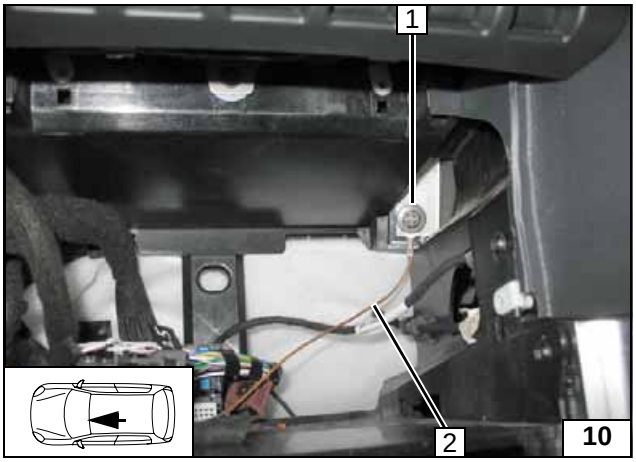
Insert white (ws) wires for positioning motors [3x] together in K3.1 relay, Pin 5 **1**.
Produce connections as shown in wiring diagram.

Connecting relay K3.1



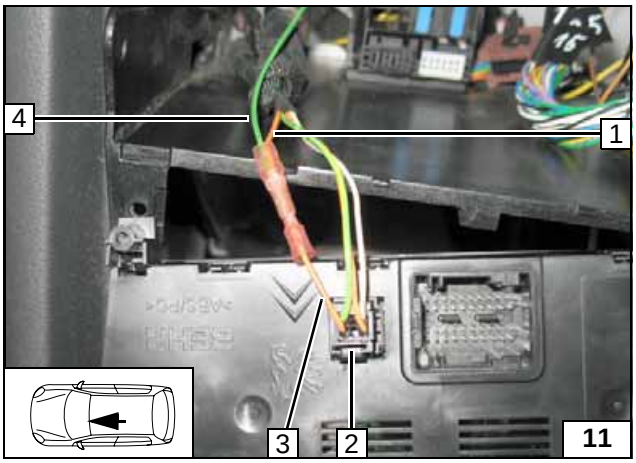
1 K3.1 relay
2 M5x16 bolt, flanged nut, existing hole in shaft of A/C control panel

Installing K3.1 relay



1 Original vehicle bolt in radio shaft
2 Brown (br) wire ⑨ of K3.1/Pin2

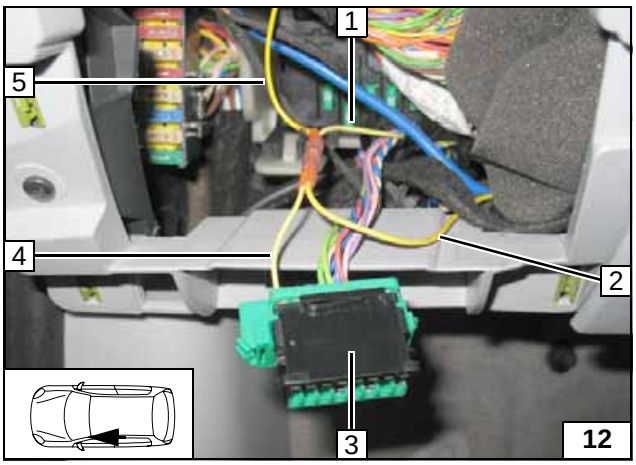
Ground connection of IPCU



Connection on 6-pin connector **2** of A/C control panel.
Produce connections as shown in wiring diagram.

1 Orange (or) wire of BSI
3 Orange (or) wire of 6-pin connector, Pin1
4 Green/white (gn/ws) wire ⑧ K3.1/Pin3

Connecting A/C control panel



The reversal of the IPCU is carried out on the 16-pin OBD socket outlet **3**.
Produce connections as shown in wiring diagram.

1 Yellow (ge) wire of Terminal 15
2 Brown (br) wire ⑦ of K3.1/Pin1
4 Yellow (ge) wire of OBD socket outlet, Pin1
5 Yellow (ge) wire ② of IPCU/15

Connecting IPCU Terminal 15

Operating Instructions for End Customer

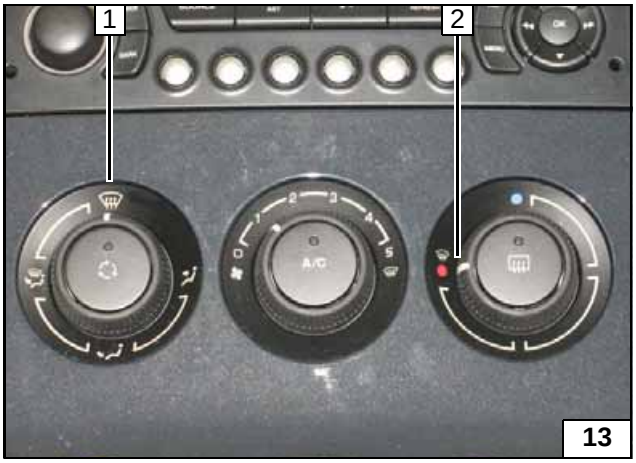
Please remove page and add to the vehicle operating instructions.

Note:
We recommend matching the heating time to the driving time.
Heating time = driving time
Example:
For a driving time of approx. 20 min. (in one direction), we recommend not exceeding a switch-on time of 20 min.

On vehicles with passenger compartment monitoring, this must also be deactivated in addition to the vehicle settings for heating.
For information on deactivation, please see the vehicle owner's manual.

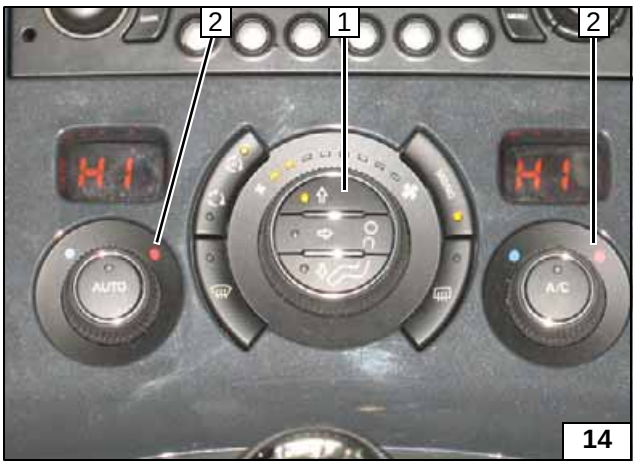
Before parking the vehicle, make the following settings:

Manual air conditioning



1 Air outlet to windshield
2 Set temperature to "max."

Automatic air-conditioning



1 Air outlet upward
2 Temperature on both sides set to "HI"