Parts and Accessories.
Installation Instructions.

Retrofit alarm system
MINI ONE (R 50)
MINI COOPER (R 50)
MINI COOPER S (R 53)

These installation instructions apply to cars built after 09/03 only.

Retrofit kit No.   65 75 0 397 059   Alarm system retrofit kit

Installation time
The installation time is 3.5 hours, but this may vary depending on the equipment in the car.

Important information
These installation instructions are primarily designed for use within the MINI dealership organisation and by authorised BMW service companies.

In any event the target group for these installation instructions is specialist personnel trained on MINI cars with the appropriate specialist knowledge.

All work must be completed using the latest MINI repair manuals, circuit diagrams, servicing manuals and work instructions in a rational order using the prescribed tools (special tools) and observing current health and safety regulations.

To avoid unnecessary extra work and/or costs, if any installation or function problems occur, after a brief troubleshooting session (approx. 0.5 hours), contact the following:
1. Either your national subsidiary or your regional office
2. Support via the Aftersales Assistance Portal (ASAP) using the optional "Technical Parts Support" application.
Specify the chassis number and the part number of the installed retrofit kit and give a precise description of the problem.

Pictograms:

▷ Denotes instructions that draw your attention to special features.

◀ Denotes the end of the instruction or caution text.

See ASAP for details of the pictograms.

Do not archive the hard copy of these installation instructions since daily updates are made by Aftersales Portal.

Subject to technical modifications.

Installation information

Ensure that the cables/lines are not kinked or damaged as you install them in the car. The costs incurred as a result of this will not be reimbursed by BMW AG.

Additional cables/lines that you install must be secured with cable ties.

If the specified PIN chambers are already used, bridges, double crimps or twin-lead terminals must be used.

All the figures show LHD cars, proceed in exactly the same way on RHD cars.

Some of the installation of the aerial is shown only on the left-hand side of the car, proceed in the same way on the right-hand side of the car.

After the installation work the retrofit kit must be programmed / coded using DISPlus or GT-1 via the **Retrofit** path.

Ordering instructions

The cover for the ultrasonic module **F** is not included in the retrofit kit and must be ordered separately (see EPC for part number and documentation).

The switch for the wipers **B** for cars built before 01/05 is not included in the retrofit kit and must be ordered separately (see EPC for part number and details).

The indicator switch **Q** for cars built after 01/05 is not included in the retrofit kit and must be ordered separately (see EPC for part number and details).
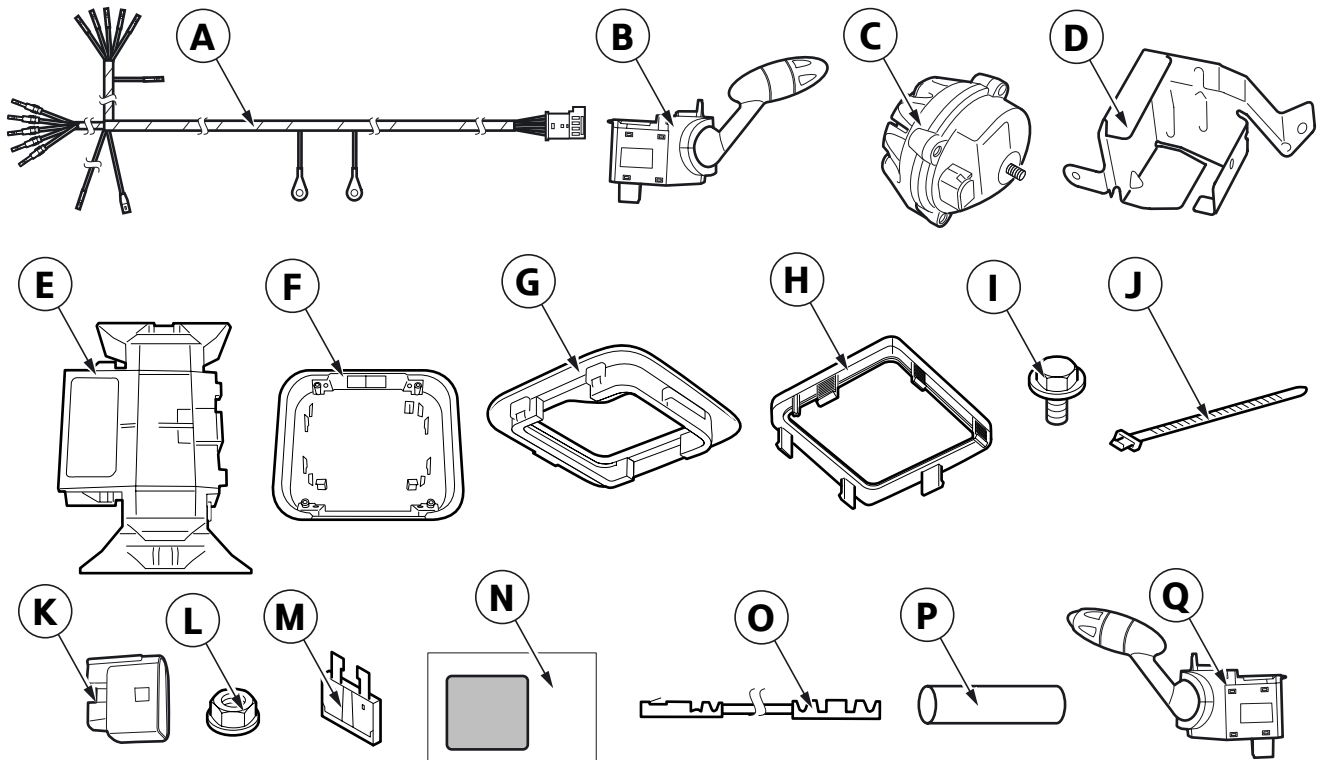
Special tools required

None

Contents

| Section	Page

1.   Parts list

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Legend

A   Connection cable

B   Switch for wipers (for cars built before 01/05 only, not supplied in the retrofit kit)

C   Emergency-current siren

D   Emergency-current siren holder

E   Ultrasonic module

F   Trim for ultrasonic module (not included in the retrofit kit)

G   Holder for ultrasonic module, bottom

H   Holder for ultrasonic module, top

I   Hexagonal screw with washer M6 x 12 mm

J   Cable tie (20x)

K   Socket casing

L   Hexagonal nut with washer M6 (2x)

M   5 A fuse

N   Template

O   Repair cable (10x)

P   Shrink hose (6x)

Q   Base module

2. Preparations

|	TIS No.
Conduct a brief test	---
Disconnect the negative pole of the battery	12 00 ...
The following components must be removed first of all	
Remove the rear seat	52 20 010
Remove the backrest for the rear seat	52 20 070
Remove the side trim at the rear left	51 43 002
Remove the door sill strips on both sides	51 47 000
Remove the C pillar covers on both sides	51 43 251
Remove the door pillar trims on both sides	51 43 148
Remove the SHD frame at the front and rear	51 44 011
Remove the rear grab handles on both sides	51 16 450
Remove the ceiling light	63 31 000
Release the headlining at the rear	51 44 001
Remove oddments box on the driver's side	---
Remove the instrument on the steering column	62 11 400
Remove the top part of the steering column trim	32 31 004
Remove the bottom part of the steering column trim	32 31 020
Remove the switch for wipers (cars built before 01/05 only)	61 31 040
Indicator switch (cars built after 01/05 only)	61 31 016
Release the fuse holder	61 13 ...
Base module	---

3. Connection diagram

R50 0914 Z
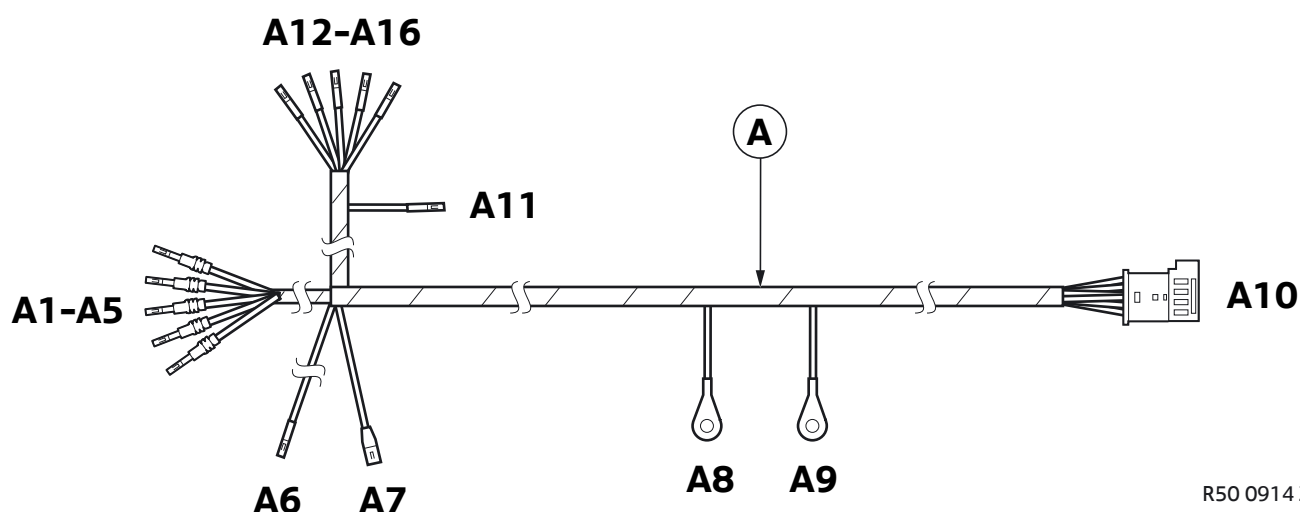
Branch	Description	Signal	Cable colour / Cross-section	Connection location in the car	Abbreviation / Slot
A	Connection cable				
A1	Blade terminal contact	NG	SW/BL 0.35 mm^2	To emergency-current siren **C**	X19562 PIN 2
A2	Blade terminal contact	STDWA	SW/RT 0.50 mm^2	To emergency-current siren **C**	X19562 PIN 3
A3	Blade terminal contact	Terminal 31	BR 0.50 mm^2	To emergency-current siren **C**	X19562 PIN 4
A4	Blade terminal contact	Siren	SW/BL 0.50 mm^2	To emergency-current siren **C**	X19562 PIN 5
A5	Blade terminal contact	Terminal 30	RT/SW 0.50 mm^2	To emergency-current siren **C**	X19562 PIN 6
A6	Blade terminal contact	DWALED	GR/SW/GE 0.35 mm^2	**Cars built before 01/05 only:** To switch for wipers **B** **Cars built after 01/05 only:** To indicator switch **Q**	X10692 PIN 9 X32 PIN 5
A7	Blade terminal contact	Terminal 30	RT/SW 0.50 mm^2	**Cars built before 09/05 only:** To fuse holder **A47** **Cars built after 09/05 only:** To fuse holder **A47**	X10207 PIN 11
A8	Cable eyelet	Terminal 31L	BR 0.50 mm^2	To earth post	X1108
A9	Cable eyelet	Terminal 31E	BR/SW 0.35 mm^2	To earth post	X13230
A10	SW 4-pin socket casing			To ultrasonic module **E**	X1582
A11	Blade terminal contact	DWALED	GR/SW/GE 0.35 mm^2	To base module	X255 PIN 14
A12	Blade terminal contact	Siren	SW/BL 0.50 mm^2	To base module	X253 PIN 11
A13	Blade terminal contact		SW/GE 0.35 mm^2	To base module	X253 PIN 15
A14	Blade terminal contact	INRS	RT/SW 0.50 mm^2	To base module	X253 PIN 16
A15	Blade terminal contact	STDWA	SW/RT 0.50 mm^2	To base module	X253 PIN 27
A16	Blade terminal contact	NG	SW/BL 0.35 mm^2	To base module	X253 PIN 30

▷ If branches **A11-A17** do not fit into plugs **X253** and **X255**, use the butt-joint connector and shrink hose **Q** to install the supplied repair cable **O**. ◄

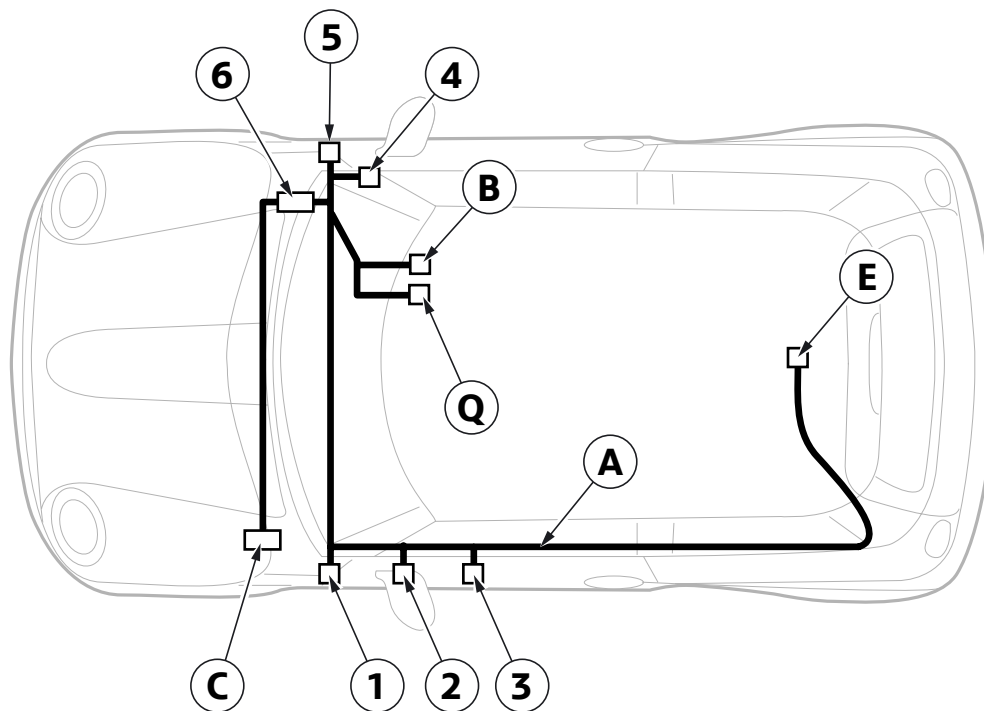## 4. Installation and cabling diagram, LHD car
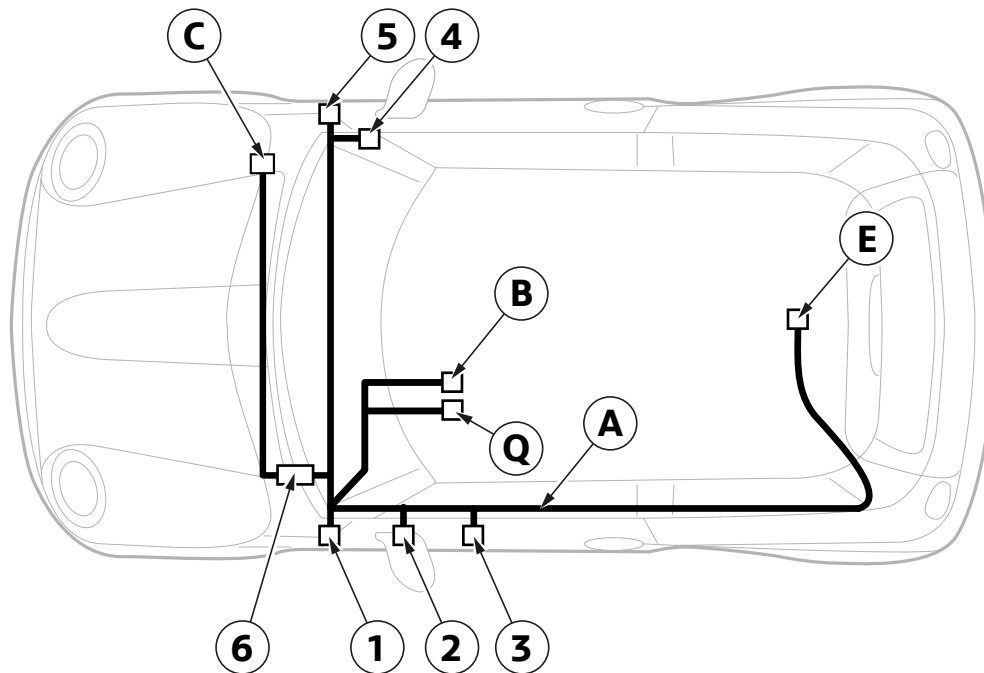

R50 1199 Z

Legend

A   Connection cable

B   Switch for wipers (for cars built before 01/05 only)

C   Emergency-current siren

E   Ultrasonic module

Q   Indicator switch (for cars built after 01/05 only)

1   Fuse holder
     Plug **X10207** (cars built before 09/05 only) / **X10200** (cars built after 09/05 only)

2   Earth post **X1108**

3   Earth post **X13230**

4   Base module **X253**

5   Base module **X255**

6   Cable passage rubber grommet

5.   Installation and cabling diagram, RHD car

R50 1200 Z

Legend

A   Connection cable

B   Switch for wipers (for cars built before 01/05 only)

C   Emergency-current siren

E   Ultrasonic module

Q   Indicator switch (for cars built after 01/05 only)

1   Fuse holder
     Plug **X10207** (cars built before 09/05 only) / **X10200** (cars built after 09/05 only)

2   Earth post **X1108**

3   Earth post **X13230**

4   Base module **X253**

5   Base module **X255**

6   Cable passage rubber grommet

6. To install the ultrasonic module in the interior roof trim with a sunroof
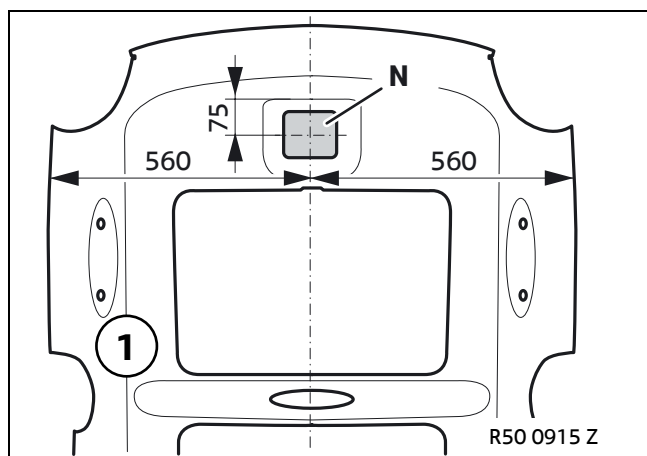
Position the template **N** on the raised area in the centre of the installed headlining (1).

Affix template **N** and cut out the headlining using a carpet knife.
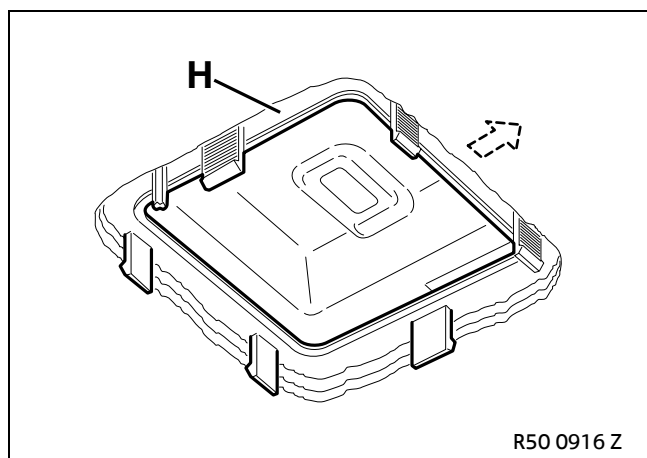
R50 0915 Z

▷ Note the installation direction, the arrow on ultrasonic module holder **H** must point towards the front of the car. ◄

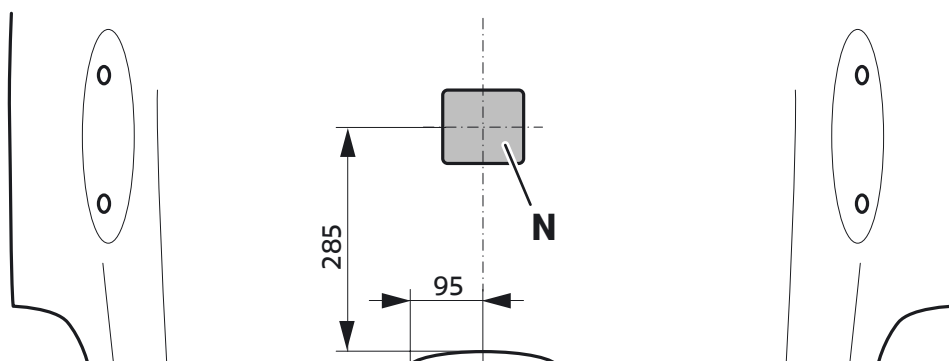Insert the ultrasonic module holder **H** into the cut-out in the headlining from above.

R50 0916 Z
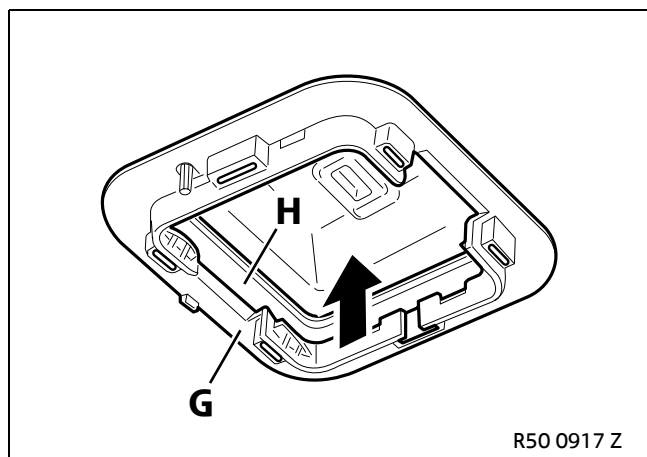
▷ Note the installation direction, the arrow on ultrasonic module holder **G** must point towards the front of the car. ◄

Clip the ultrasonic module holder **G** inserted from below to the ultrasonic module holder **H**.
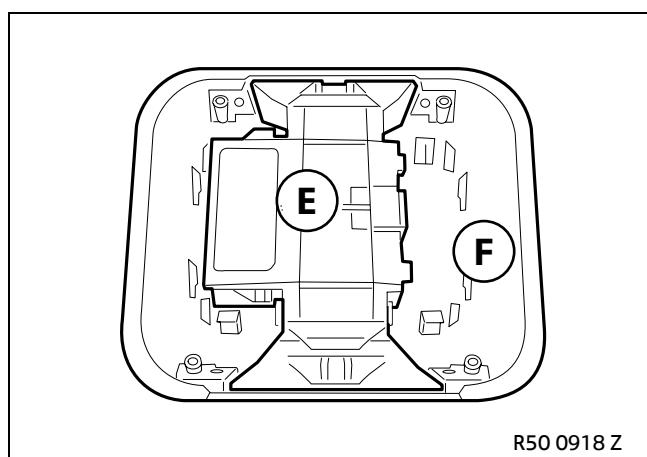
R50 0917 Z

▷ The installation arrows on ultrasonic module **E** and ultrasonic module trim **F** must point towards the front of the car. ◄
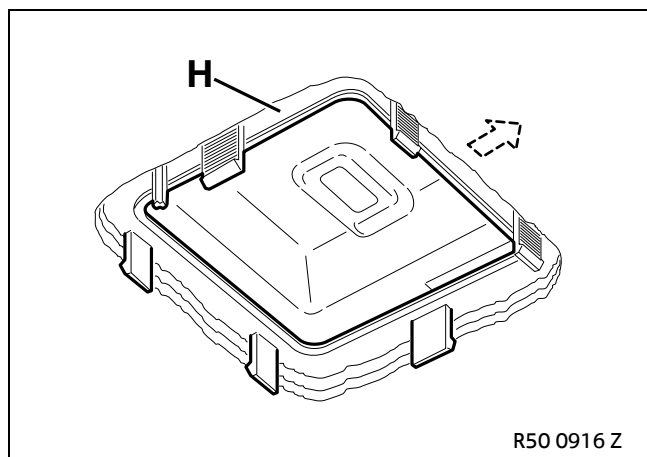
Clip the ultrasonic module **E** into ultrasonic module trim **F**.

R50 0918 Z

7. To install the ultrasonic module in the interior roof trim without a sunroof
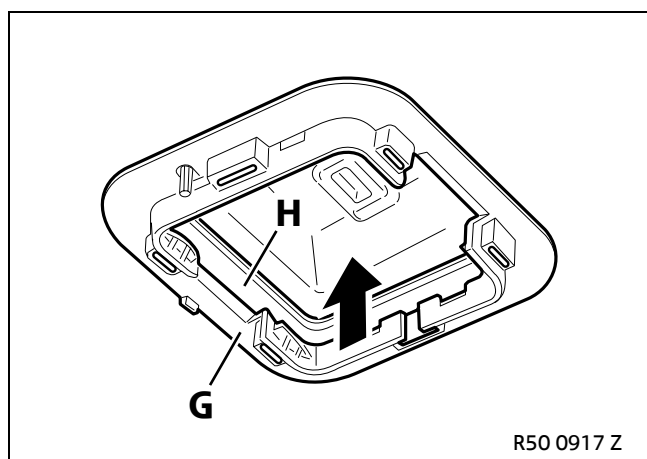

Position the template **N** in the centre.

Affix the template and cut out the headlining with a carpet knife.

R50 0916 Z

▷ Note the installation direction, the arrow on ultrasonic module holder **H** must point towards the front of the car. ◀

Insert the ultrasonic module holder **H** into the cut-out in the headlining from above.

R50 0917 Z

▷ Note the installation direction, the arrow on ultrasonic module holder **G** must point towards the front of the car. ◀

Clip the ultrasonic module holder **G** inserted from below into the ultrasonic module holder **H**.
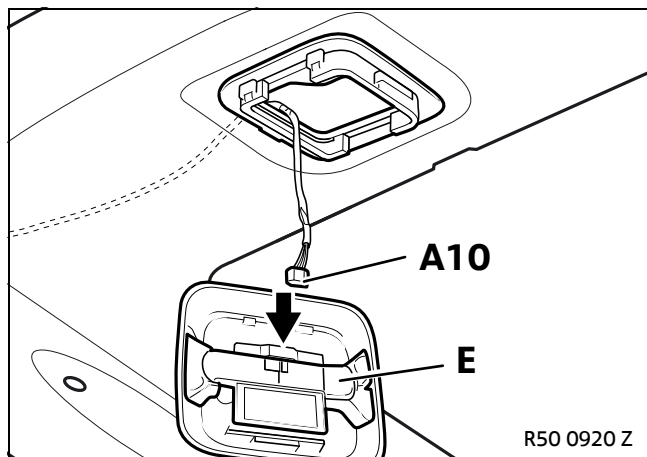
7. To install the ultrasonic module in the interior roof trim without a sunroof
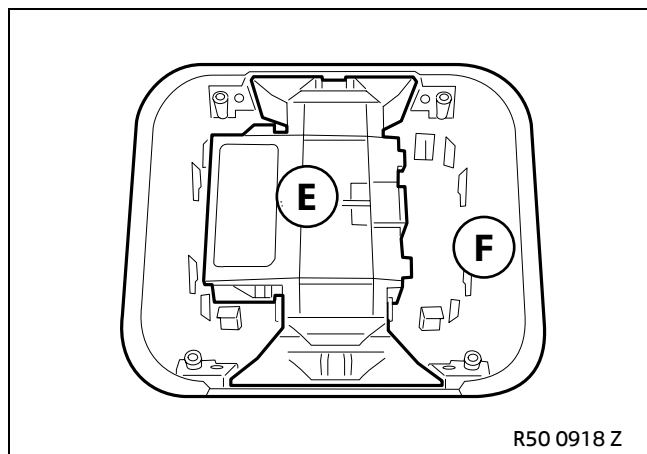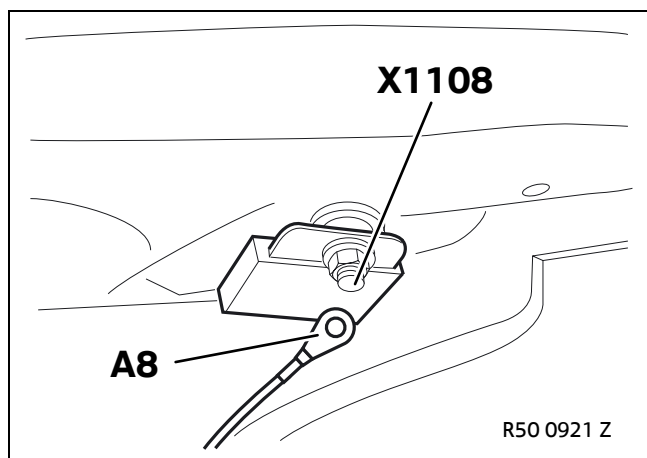

R50 0918 Z

▷ The installation arrows on ultrasonic module **E** and ultrasonic module trim **F** must point towards the front of the car. ◀

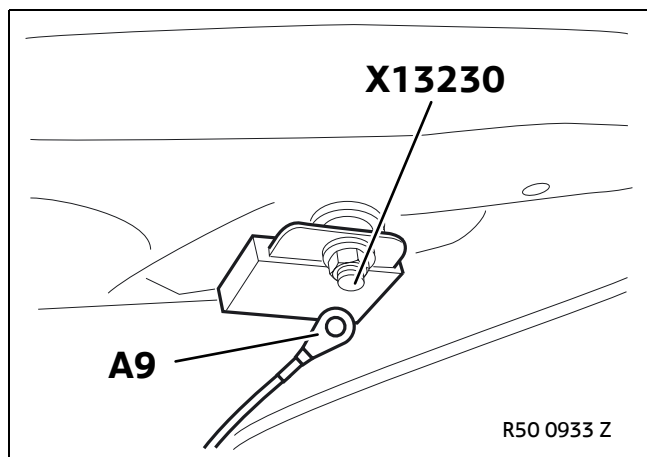Clip the ultrasonic module **E** into ultrasonic module trim **F**.
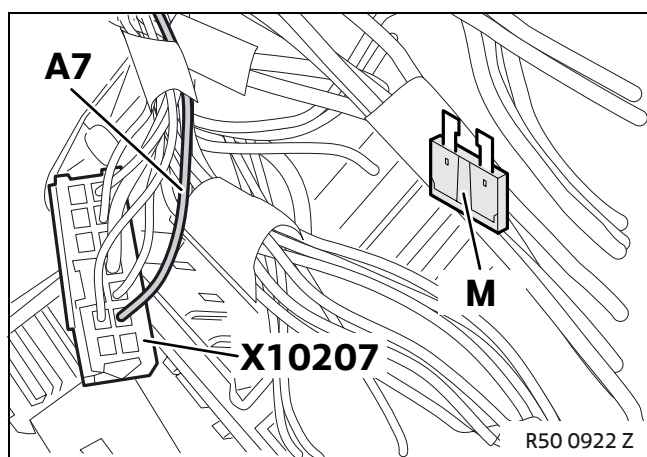
8. To install the alarm system connection cable

R50 0920 Z

Connect branch **A10** to the ultrasonic module holder **E**.

R50 0921 Z

Screw the cable eyelet **A8** to the earth bolt **X1108**.

R50 0933 Z

Screw the cable eyelet **A9** to earth bolt **X13230**.
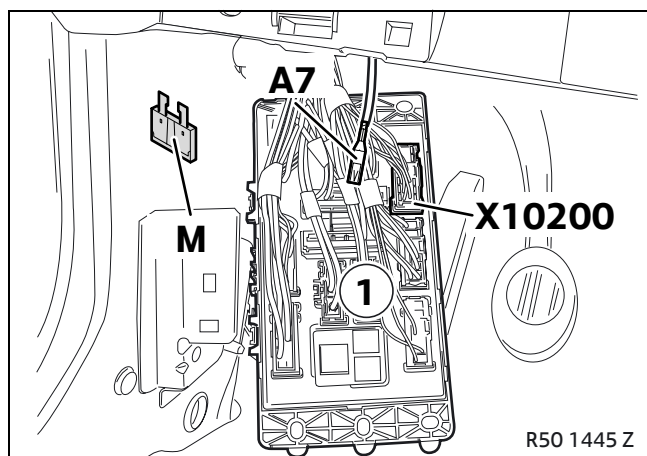

R50 0922 Z

Cars built before 09/05 only

Connect branch **A7**, RT/SW cable, to PIN 11 in socket casing **X10207**.

▷ Check that there is a fuse in fuse slot F24. Insert fuse **M** if there is not. ◀
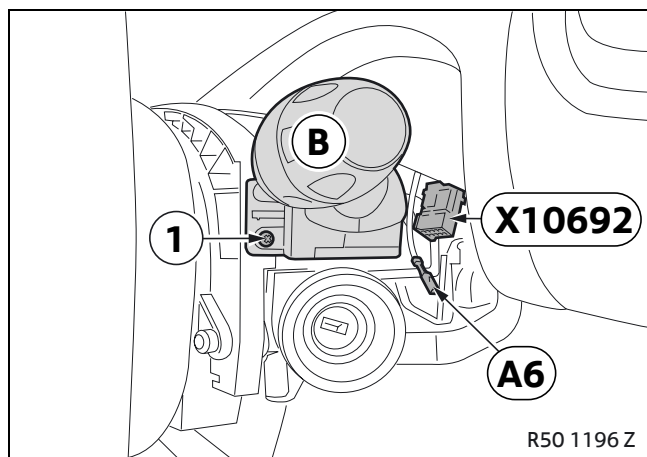
8. To install the alarm system connection cable

R50 1445 Z

Cars built after 09/05 only

Connect branch **A7**, RT/SW cable, to PIN 6 in socket casing **X10200**.

▷ Check that there is a fuse in fuse slot F24. If not, insert fuse **M**. ◂
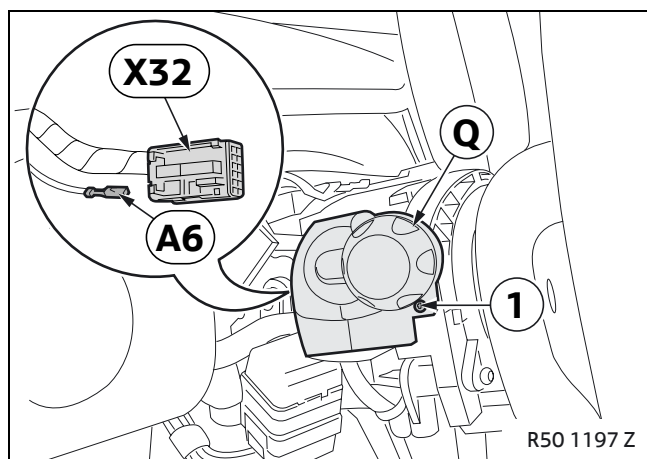

R50 1196 Z

Cars built before 01/05 only

Route branch **A6** to plug **X10692** on the wiper switch **B** and connect it to PIN 9.

Insert the switch for the wipers **B** and secure it with a Philips screw (1).

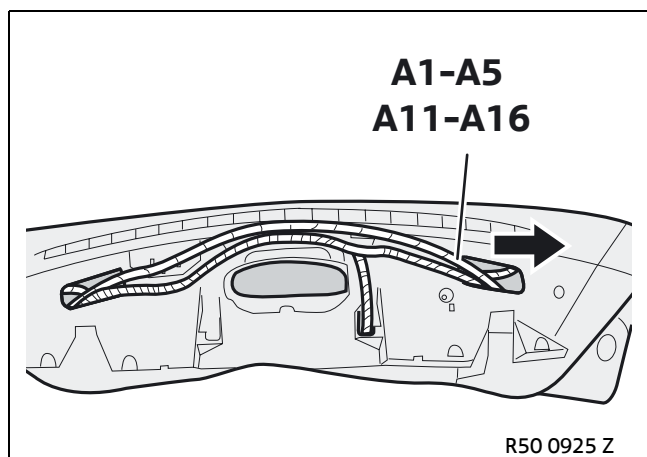Connect plug **X10692** to the switch for the wipers **B**.

R50 1197 Z

Cars built after 01/05 only

Route branch **A6** to plug **X32** on the indicator switch **Q** and connect it to PIN 5.

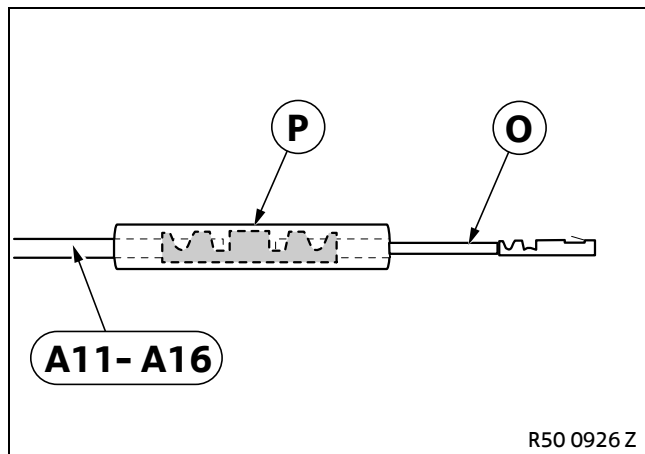Insert the indicator switch **Q** and secure it with a Philips screw (1).

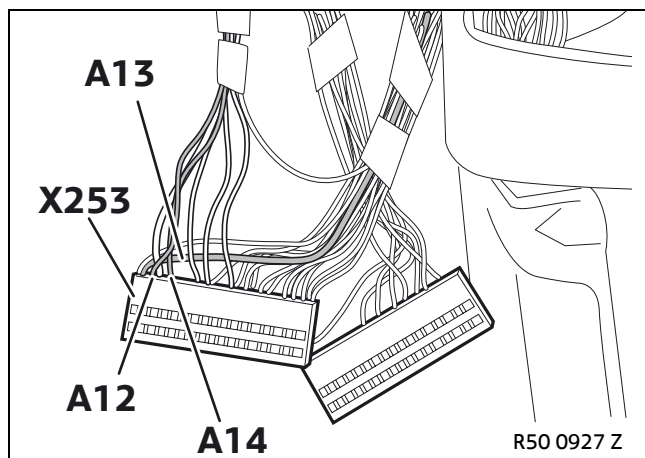Connect plug **X32** to the indicator switch **Q**.

R50 0925 Z

All cars

Route branches **A1–A5** and **A11–A16** along the standard wiring harness above the dashboard.

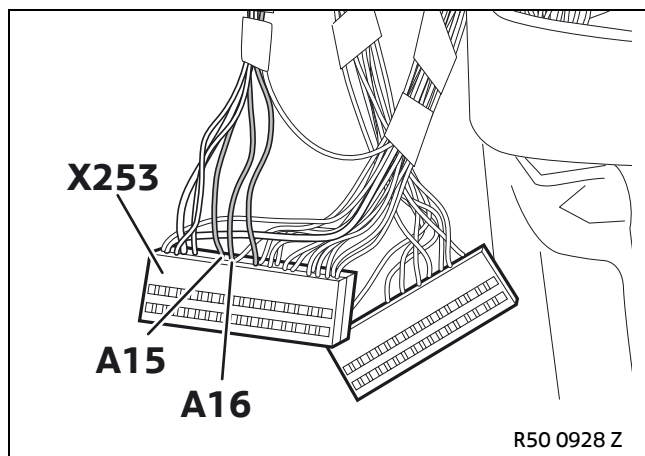8. To install the alarm system connection cable

R50 0926 Z

If branches **A11–A16** do not fit into plug **X253** or **X255**, use the butt-joint connector and shrink hose **P** to install the supplied repair cable **O**.

R50 0927 Z

Connect branches **A12–A14** to plug **X253** as follows:

- Branch **A12**, SW/BL cable, to PIN 11
- Branch **A13**, SW/GE cable, to PIN 15
- Branch **A14**, RT/SW cable, to PIN 16

R50 0928 Z

Connect branches **A14** and **A15** to plug **X253** as follows:

- Branch **A15**, SW/RT cable, to PIN 27
- Branch **A16**, SW/BL cable, to PIN 30

R50 0929 Z

Connect branch **A11**, GR/SW/GE cable, to PIN 14 in plug **X255**.

8. To install the alarm system connection cable

R50 0930 Z

Thread branches **A1-A5** through the cable grommet on the driver's side.

▷ Seal the rubber grommet with sealing compound. ◀

R50 0908 Z

▷ Make sure that connection cable **A** does not come into contact with the wiper linkage. Use a cable tie **J** to secure the connection cable **A**. ◀

Route branches **A1-A5** behind the bulkhead to the installation site of the emergency-current siren (in the engine compartment on the right).
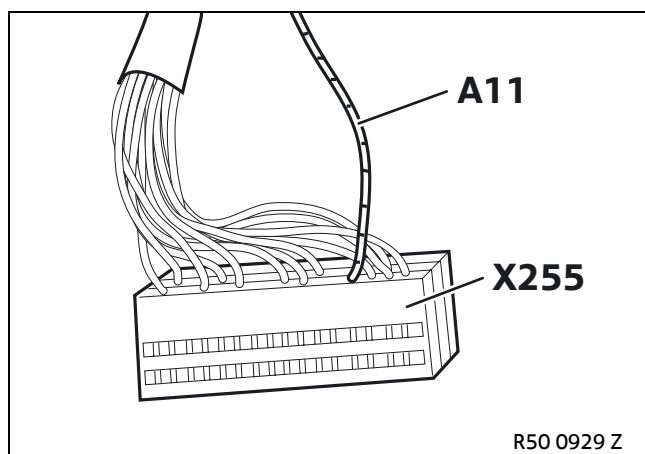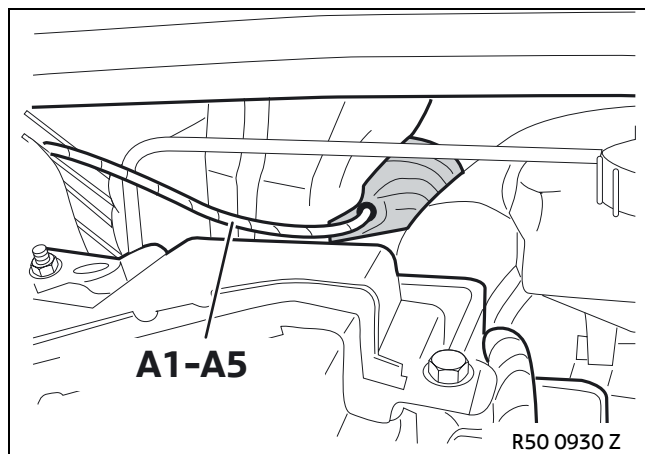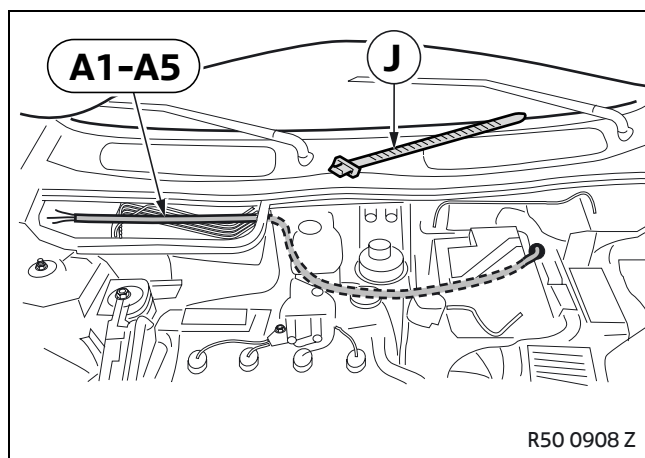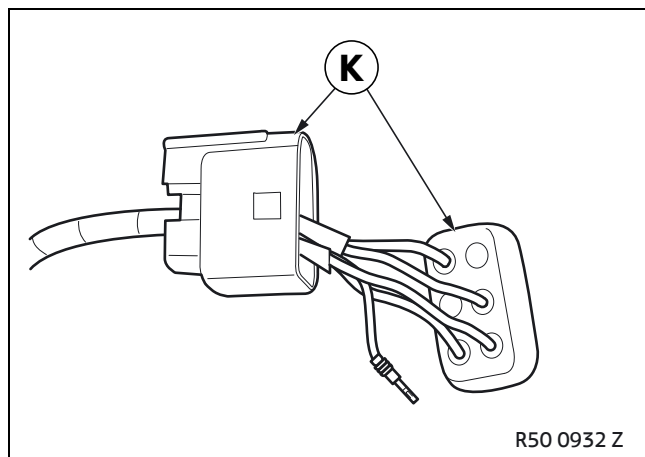

R50 0932 Z

Connect branches **A1-A5** to socket casing **K** as follows:

- Branch **A1**, SW/BL cable, to PIN 2
- Branch **A2**, SW/RT cable, to PIN 3
- Branch **A3**, BR cable, to PIN 4
- Branch **A4**, SW/BL cable, to PIN 5
- Branch **A5**, RT/SW cable, to PIN 6

R50 0910 Z
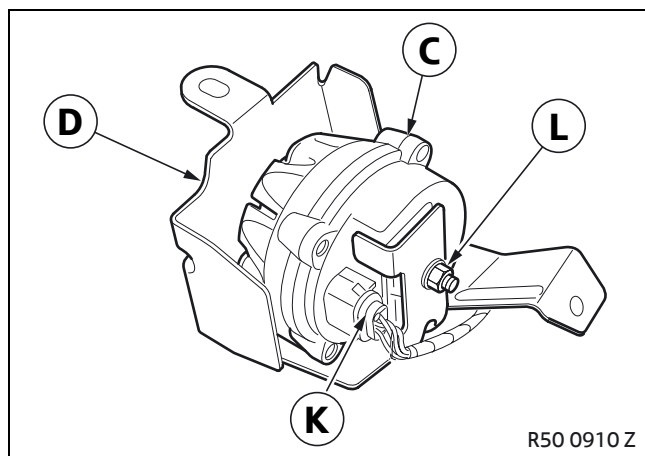
Use a hexagonal nut **L** to secure the emergency-current siren **C** to the holder **D**.

Connect socket casing **K** to the emergency-current siren **C**.

8. To install the alarm system connection cable
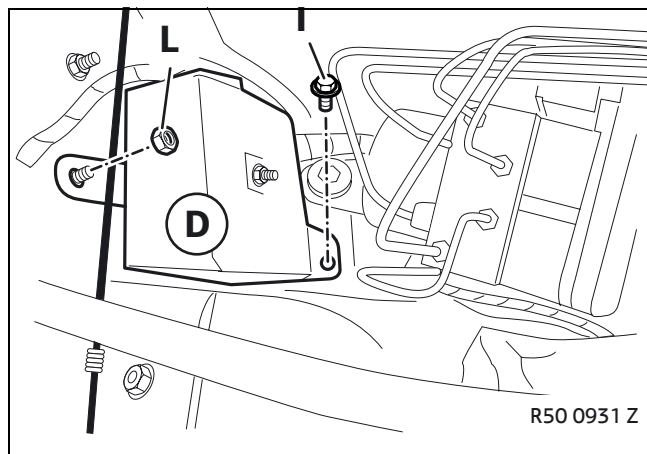
Use a hexagonal screw **I** and hexagonal nut **L** to secure the emergency-current siren holder **D**.

R50 0931 Z

9.   Concluding work and coding

This retrofit system requires coding.

- Connect the battery
- The retrofit must be programmed / coded using SSS (software service station) via the **Retrofit** path
- Conduct a brief test
- Conduct a function test
- Re-assemble the car

> The operating instructions for the alarm system is described in the owner's manual to which you should refer. ◄
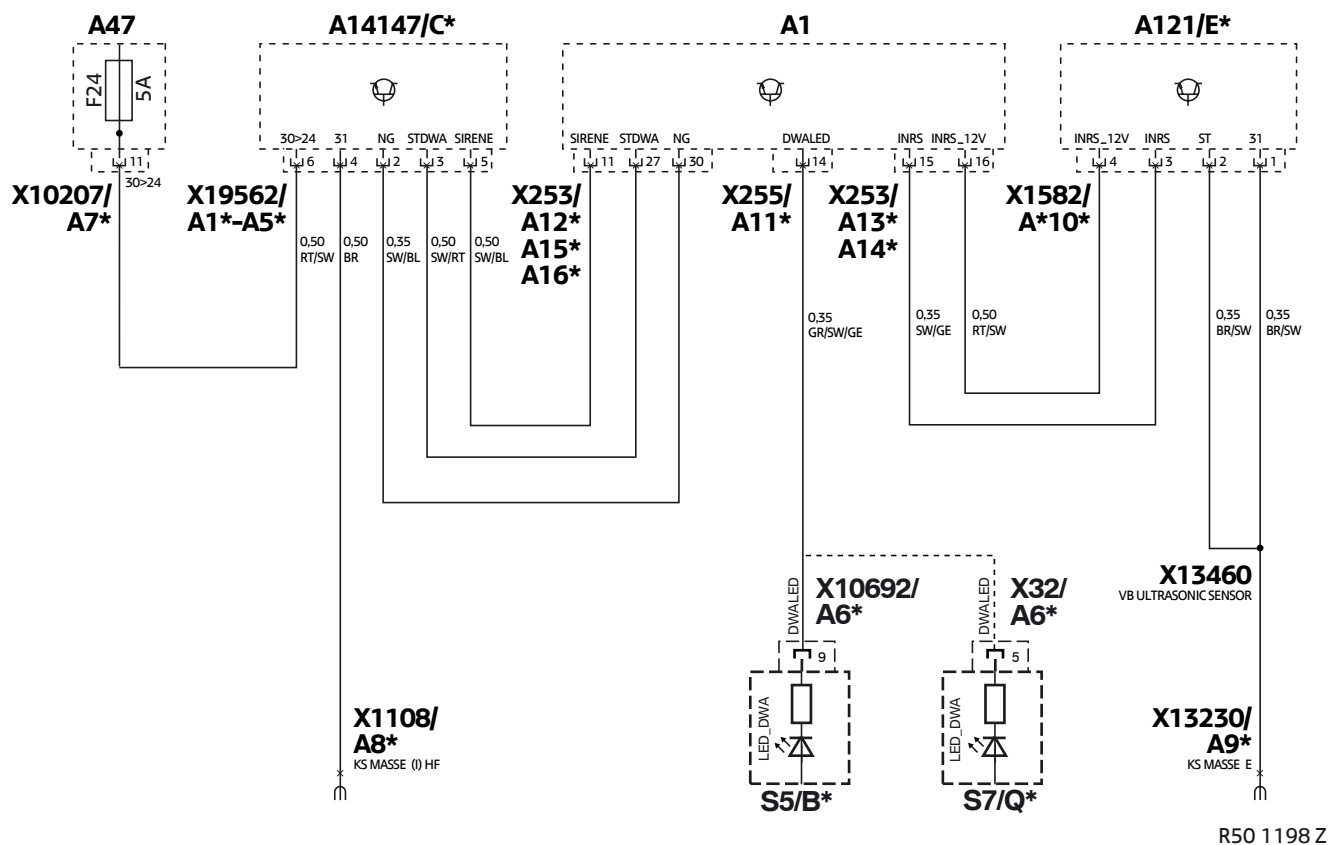
10. Circuit diagram

Cars built before 09/05 only

A47

F24 5A

30>24

X10207/
A7*

11

30>24

A14147/C*

30>24 31 NG STDWA SIRENE

6 4 2 3 5

X19562/
A1*–A5*

0,50 0,50 0,35 0,50 0,50
RT/SW BR SW/BL SW/RT SW/BL

X253/
A12*
A15*
A16*

A1

SIRENE STDWA NG DWALED INRS INRS_12V

11 27 30 14 15 16

X255/
A11*

X253/
A13*
A14*

0,35
GR/SW/GE

0,35 0,50
SW/GE RT/SW

A121/E*

INRS_12V INRS ST 31

4 3 2 1

X1582/
A*10*

0,35 0,35
BR/SW BR/SW

X1108/
A8*

KS MASSE (I) HF

DWALED

X10692/
A6*

9

LED_DWA

S5/B*

DWALED

X32/
A6*

5

LED_DWA

S7/Q*

X13460

VB ULTRASONIC SENSOR

X13230/
A9*

KS MASSE E

R50 1198 Z

10. Circuit diagram

Cars built after 09/05 only
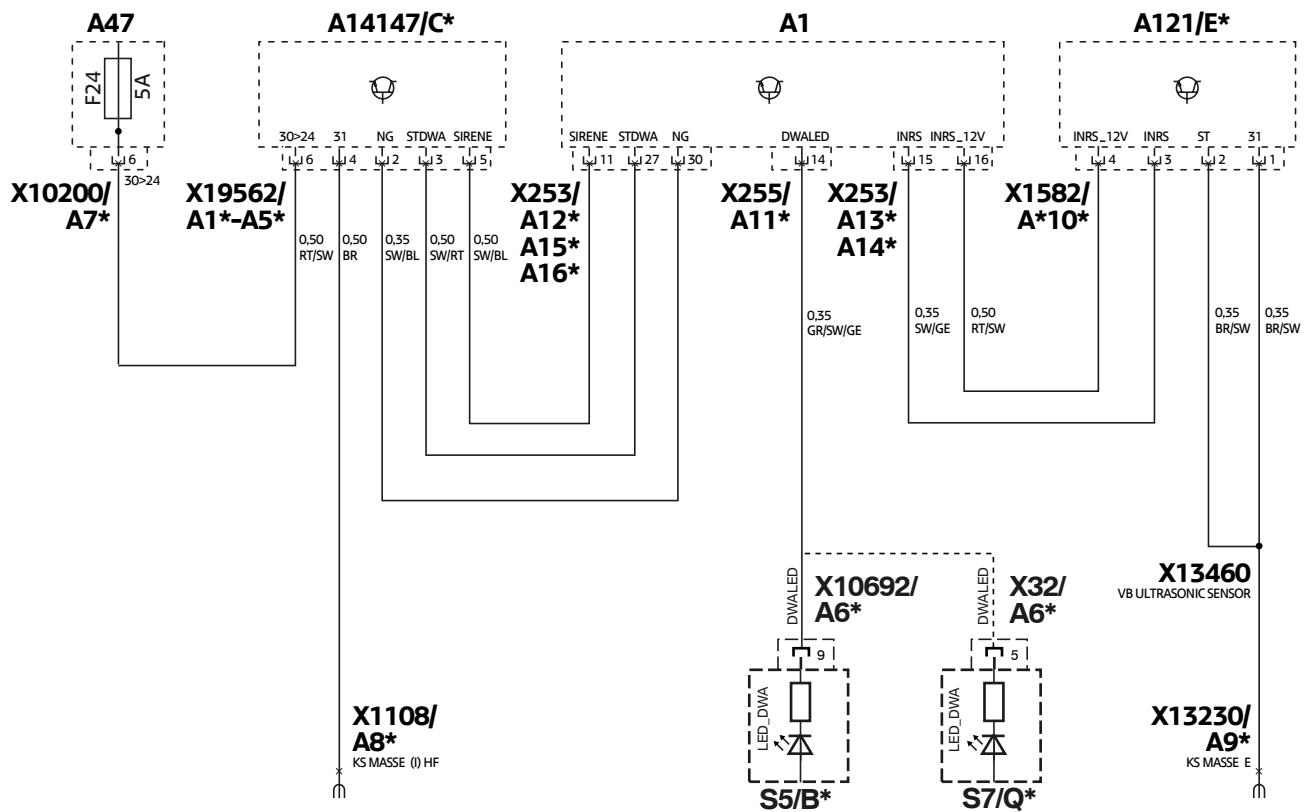
R50 1446 Z

Legend

A1	Base module
A47	Fuse holder
A121	Ultrasonic module **E***
A14147	Emergency-current siren **C***
S5	Switch for wipers **B*** (cars built before 01/05 only)
S7	Indicator switch **Q*** (for cars built after 01/05 only)
X32	12-pin socket casing, SW, on indicator switch **Q***; **A6*** (cars built after 01/05 only)
X253	54-pin socket casing, SW, to base module **A1**; **A12*-A16***
X255	54-pin socket casing, BL, to base module **A1**; **A11***
X1108	Earth post (I) HF, **A8***
X1582	4-pin socket casing, SW, to ultrasonic module **E***; **A10***
X10207	12-pin socket casing, VI, to fuse holder **A47**; **A7***
X10692	10-pin socket casing, WS, to switch for wipers **B***; **A6*** (cars built before 01/05 only)
X13230	Earth post E, **A9***
X13460	Ultrasonic sensor connector
X19562	6-pin socket casing, SW, to emergency-current siren **C***; **A1*-A5***

All the designations marked with an asterisk (*) apply only to these installation instructions or this circuit diagram.

10. Circuit diagram

Cable colours

BL	Blue
BR	Brown
GE	Yellow
GR	Grey
RT	Red
SW	Black