

ORIGINAL MINI ACCESSORIES. INSTALLATION INSTRUCTIONS.



Anti-Theft Alarm System Retrofit MINI CONVERTIBLE (R57)

Retrofit kit number

65 73 2 157 425 Anti-theft alarm system retrofit kit

Installation time

The installation time is **approx. 6.5 hours**. This may vary depending on the condition of the car and the equipment in it. If the fuse box (SPEG) needs to be replaced, the installation time will increase by **approx. 0.5 hours**.

The installation time specified does not include the time spent on programming/coding.

The calculation of the total costs for the programming time must be factored into the calculation of retrofitting costs (no invoicing via warranty).

Important information

These installation instructions are primarily designed for use within the BMW dealership organisation and by authorised MINI 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, wiring diagrams, servicing manuals and work instructions, in a rational order, using the prescribed tools (special tools) and observing current health and safety regulations.

If you experience installation or function problems, restrict troubleshooting to approx. 0.5 hours for mechanical work and 1.0 hour for electrical work.

To avoid unnecessary extra work and/or costs, send an inquiry straight away to the technical parts support team via the Aftersales Assistance Portal (ASAP).

Quote the following information:

- Chassis number,
- Retrofit kit part number,
- A detailed description of the problem,
- Any work already carried out.

Do not archive the hard copy of these installation instructions since daily updates are provided via ASAP!

Pictograms



Denotes instructions that draw your attention to dangers.



Denotes instructions that draw your attention to special features.

- ◀ Denotes the end of the instruction or warning text.

Installation information

Ensure that the cables and/or lines are not kinked or damaged as you install them in the car. Costs arising from 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 occupied, bridges, double crimps or twin-lead terminals must be used.

All pictures show LHD cars; proceed accordingly on RHD cars.

After installation, the retrofit must be programmed/coded using ISSS (Integrated Software Service Station) via the – **Conversion** – path.

Ordering instructions

Revolution counter **K** is not included in the retrofit kit and must be ordered separately (see EPC for part number and further details).

If necessary, fuse holder “SPEG low” must be replaced by “SPEG high” (see EPC for part numbers and further details).

Extension **T** is not supplied with the retrofit kit and must be ordered as an additional item for cars built after 3/12 (see EPC for part number and further details).

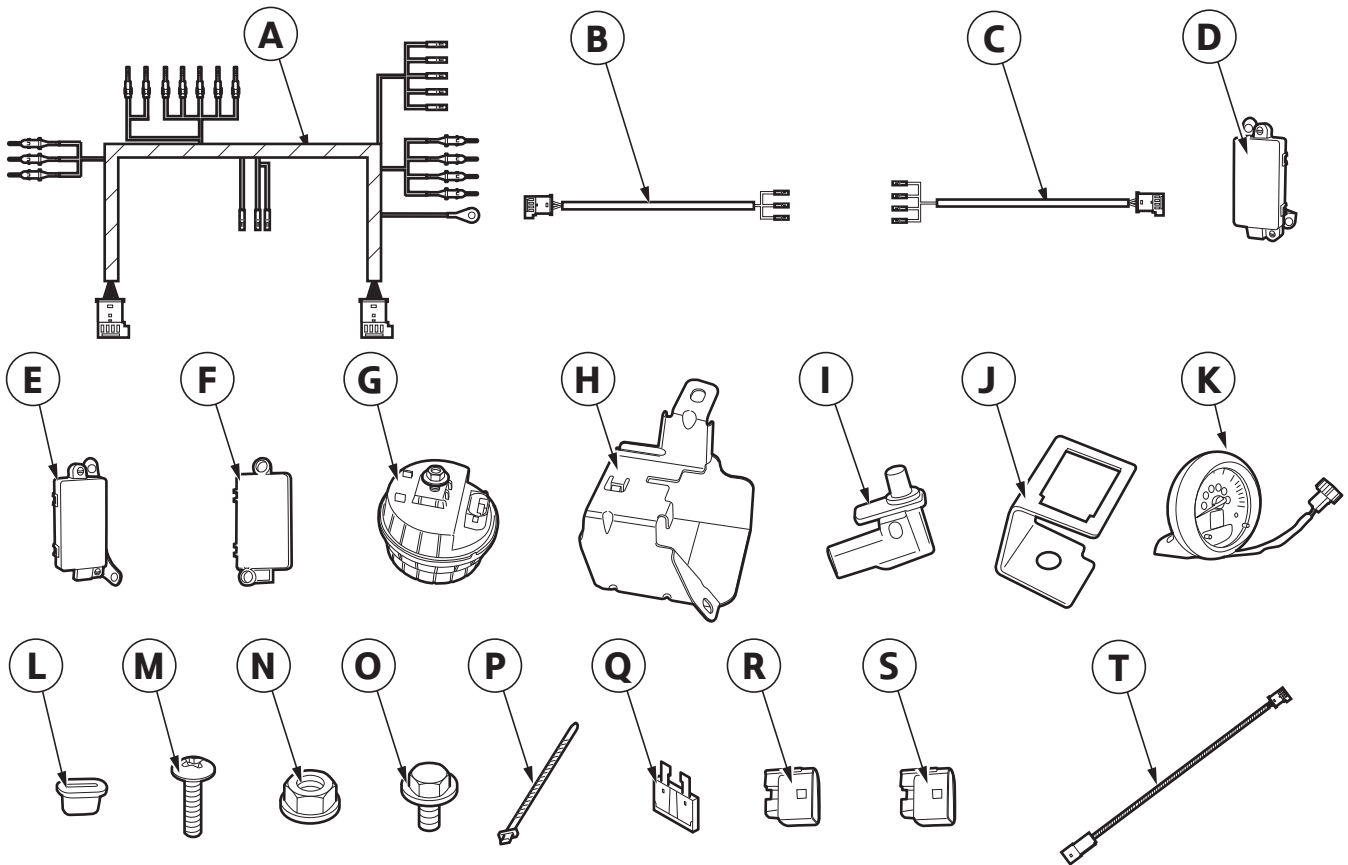
Special tools required

00 9 317, Trim wedge

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1. Parts list



R57 0001 R

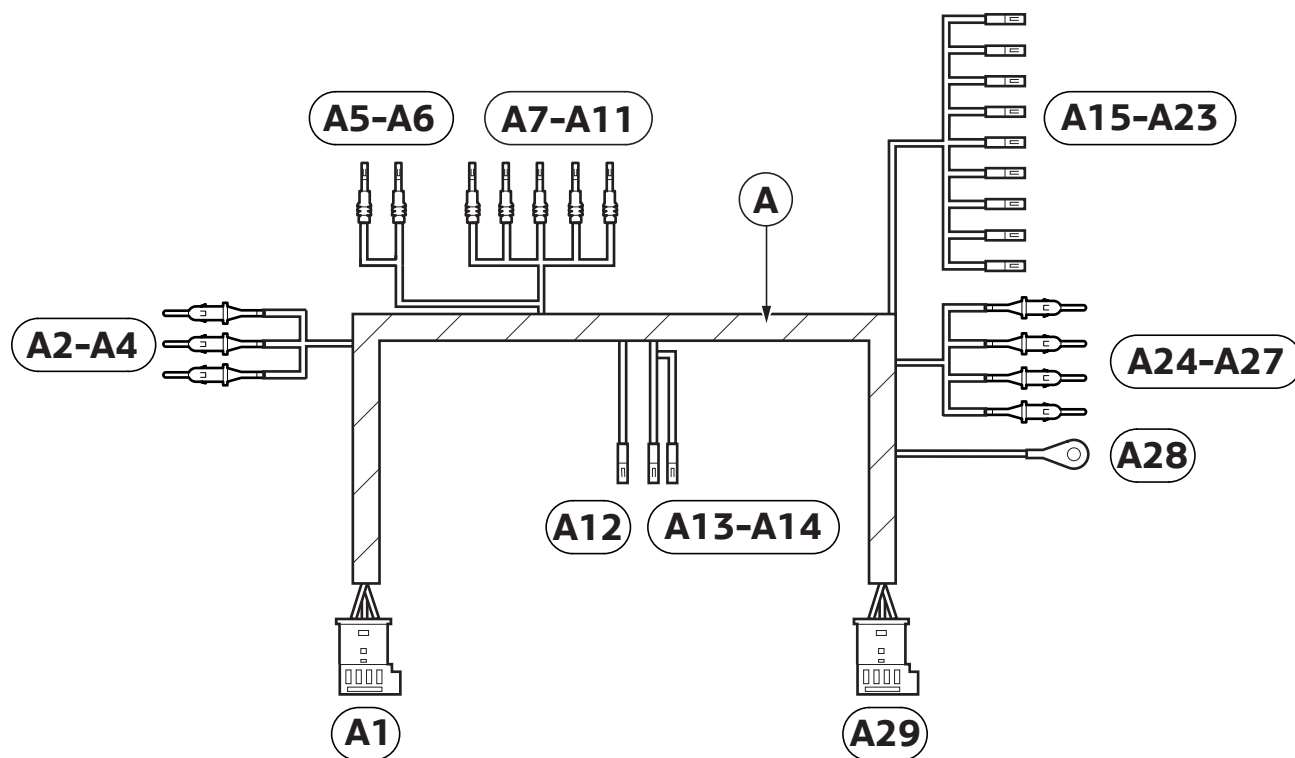
Legend

- A** Alarm system wiring harness
- B** Wiring harness for left doors
- C** Wiring harness for right doors
- D** Left microwave sensor, SW
- E** Right microwave sensor, BR
- F** Rear microwave sensor, BL (2 x)
- G** Emergency power siren
- H** Emergency power siren mount
- I** Engine compartment lid contact
- J** Engine compartment lid contact mount
- K** Revolution counter (not supplied with the retrofit kit)
- L** Expanding rivet (2 x)
- M** Oval-head screw (6 x)
- N** Hexagon nut with washer, M6 (3 x)
- O** Screw for engine compartment lid contact mount
- P** Cable tie (35 x)
- Q** 7.5 A fuse
- R** Socket casing for emergency power siren
- S** Socket casing for engine compartment lid contact
- T** Extension (2 x, for cars built up after 03/12; not supplied with the retrofit kit)

2. Preparatory work

	ISTA No.
Conduct a brief test	---
Disconnect the negative pole of the battery	12 00 ...
The following components must be removed first of all	
Door trim panels left and right	51 41 000
Rear seat	52 26 005
Backrest for rear seat, left and right	52 20 070
Side trim panel, left and right	51 43 002
Door sill trim, right	51 47 000
Steering column trim, upper section	32 31 004
Steering column trim, lower section	32 31 020
Control unit holder, left and right	---
A-pillar trim, left and right	51 43 201
Dashboard, upper section	51 45 050
Replace revolution counter	62 10 100
Cowl panel, left	51 13 123
Loosen door separator plug, left and right	---
Only cars with fuse holder "SPEG low"	
Replace fuse holder "SPEG low" with "SPEG high"	61 35 040

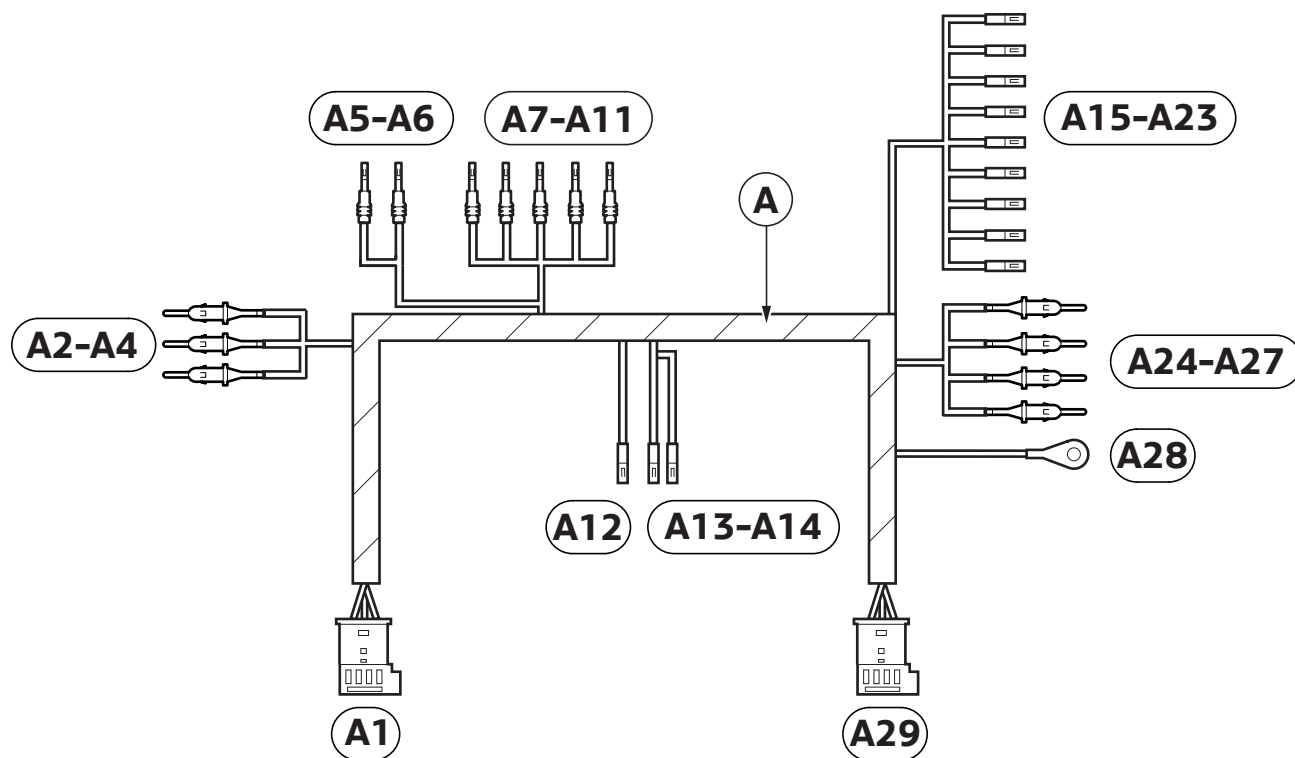
3. Wiring harness connection diagram



R57 0027 Z

Item	Designation	Signal	Cable colour/ cross-section	Connection location in the car	Abbreviation/slot
A	Alarm system wiring harness	---	---	---	---
A1	SW 4-pin socket casing	---	---	To rear left microwave sensor	X14145
A2	Pin contact	Alarm system line	GE/BL 0.50 mm ²	To pin housing for left door separator plug	X2575 PIN 1
A3	Pin contact	O-POWER	RT/SW 0.50 mm ²	To pin housing for left door separator plug	X2575 PIN 2
A4	Pin contact	Terminal 31	BR 0.50 mm ²	To pin housing for left door separator plug	X2575 PIN 3
A5	Socket contact	---	VI/GN 0.50 mm ²	To socket casing S for engine compartment lid contact	X161 PIN 1
A6	Socket contact	---	BR 0.50 mm ²	To socket casing S for engine compartment lid contact	X161 PIN 2
A7	Socket contact	NG	SW/WS 0.35 mm ²	To socket casing R for emergency power siren	X14147 PIN 2
A8	Socket contact	ST. ALARM SYSTEM	SW/RT 0.50 mm ²	To socket casing R for emergency power siren	X14147 PIN 3
A9	Socket contact	Terminal 31	BR 0.50 mm ²	To socket casing R for emergency power siren	X14147 PIN 4
A10	Socket contact	SIREN	VI/GR/GE 0.50 mm ²	To socket casing R for emergency power siren	X14147 PIN 5
A11	Socket contact	Terminal 30	RT 0.50 mm ²	To socket casing R for emergency power siren	X14147 PIN 6
A12	Socket contact	---	VI/GN 0.50 mm ²	To CAS control unit A149	X10318 PIN 38
A13	Socket contact	LED HEART-BEAT	WS 0.35 mm ²	To revolution counter A2	X9002 PIN 11
A14	Socket contact	LED FOR ALARM SYSTEM	GR/GE 0.35 mm ²	To revolution counter A2	X9002 PIN 12

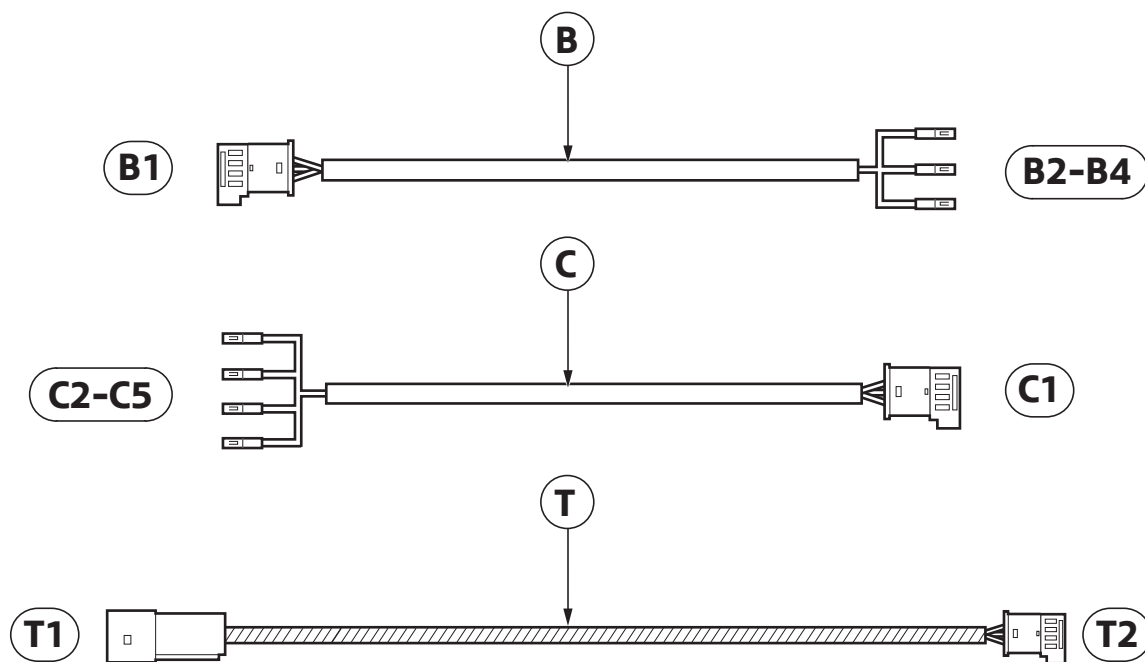
3. Wiring harness connection diagram



R57 0027 Z

Item	Designation	Signal	Cable colour/ cross-section	Connection location in the car	Abbreviation/slot
A15	Socket contact	LED FOR ALARM SYSTEM	GR/GE 0.35 mm ²	To fuse holder A4010	X14272 PIN 11
A16	Socket contact	LED HEART- BEAT	WS 0.35 mm ²	To fuse holder A4010	X14272 PIN 23
A17	Socket contact	ST. ALARM SYSTEM	SW/RT 0.50 mm ²	To fuse holder A4010	X11002 PIN17
A18	Socket contact	O_ST	RT/WS 0.50 mm ²	To fuse holder A4010	X11002 PIN 25
A19	Socket contact	SIREN	VI/GR/GE 0.50 mm ²	To fuse holder A4010	X11002 PIN 32
A20	Socket contact	NG	SW/WS 0.35 mm ²	To fuse holder A4010	X11002 PIN 36
A21	Socket contact	O_POWER	RT/SW 0.50mm ²	To fuse holder A4010	X11002 PIN 42
A22	Socket contact	INRS	SW/GE 0.50mm ²	To fuse holder A4010	X11002 PIN 51
A23	Socket contact	Terminal 30	RT 0.50mm ²	To fuse holder A4010	X11008 PIN 12
A24	Pin contact	Alarm system line	GE/BL 0.50 mm ²	To pin housing for right door separator plug	X2565 PIN 1
A25	Pin contact	O-ST	RT/WS 0.50 mm ²	To pin housing for right door separator plug	X2565 PIN 2
A26	Pin contact	INRS	SW/GE 0.50 mm ²	To pin housing for right door separator plug	X2565 PIN 18
A27	Pin contact	Terminal 31	BR 0.50 mm ²	To pin housing for right door separator plug	X2565 PIN 24
A28	Cable eye	Terminal 31	---	To ground support point X2846	X2846
A29	SW 4-pin socket casing	---	---	To rear right microwave sensor	X14146

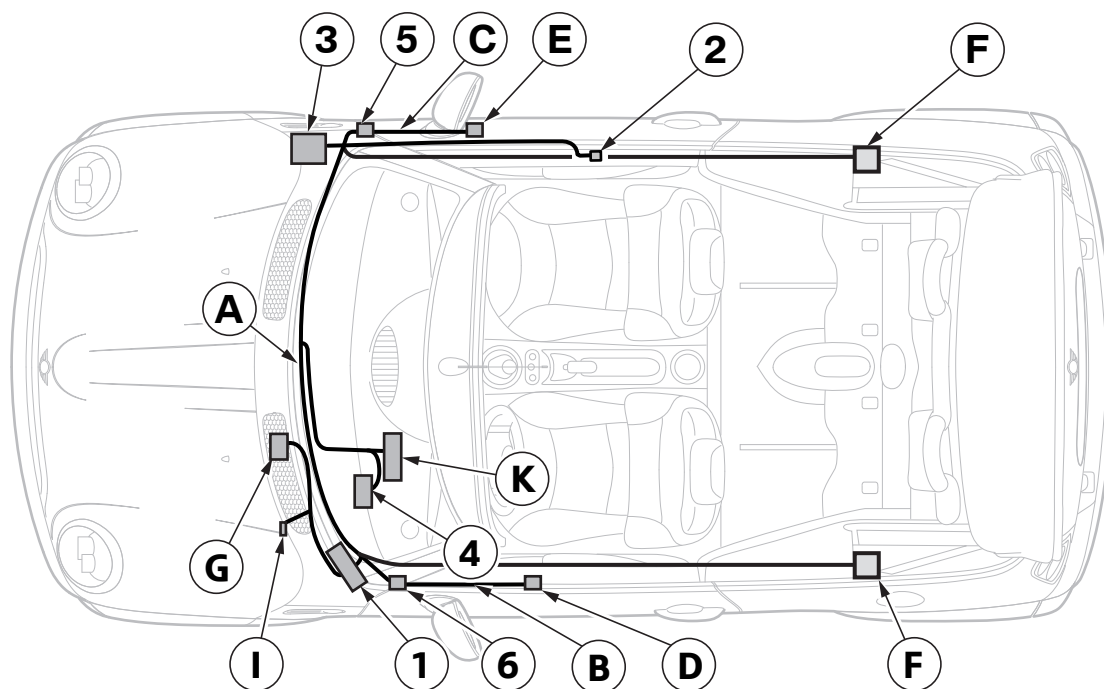
4. Door wiring harnesses connection diagram



R57 0005 R

Item	Designation	Signal	Cable colour/ cross-section	Connection location in the car	Abbreviation/slot
B	Left door wiring harness	---	---	---	---
B1	SW 4-pin socket casing	---	---	Only cars built before 3/2012 To left microwave sensor, SW, D Only cars built after 3/2012 To extension T1	X14143 X14312
B2	Socket contact	Alarm system line	GE/BL 0.50 mm ²	To left door separator plug	X257B PIN 1
B3	Socket contact	O-POWER	RT/SW 0.50 mm ²	To left door separator plug	X257B PIN 2
B4	Socket contact	Terminal 31	BR 0.50 mm ²	To left door separator plug	X257B PIN 3
C	Right door wiring harness	---	---	---	---
C1	SW 4-pin socket casing	---	---	Only cars built before 3/2012 To right microwave sensor, SW, E Only cars built after 3/2012 To extension T1	X14144 X14312
C2	Socket contact	Alarm system line	GE/BL 0.50 mm ²	To right door separator plug	X256B PIN 1
C3	Socket contact	O-ST	RT/SW 0.50 mm ²	To right door separator plug	X256B PIN 2
C4	Socket contact	INRS	SW/GE 0.50 mm ²	To right door separator plug	X256B PIN 18
C5	Socket contact	Terminal 31	BR 0.50 mm ²	To right door separator plug	X256B PIN 24
T	Extension (2 x)	---	---	Only cars built after 3/2012	---
T1	SW 4-pin pin housing	---	---	To branch B1/C1	X14312
T2	SW 4-pin socket casing	---	---	To microwave sensor D/E	X14100

5. Installation and cabling diagram, LHD car



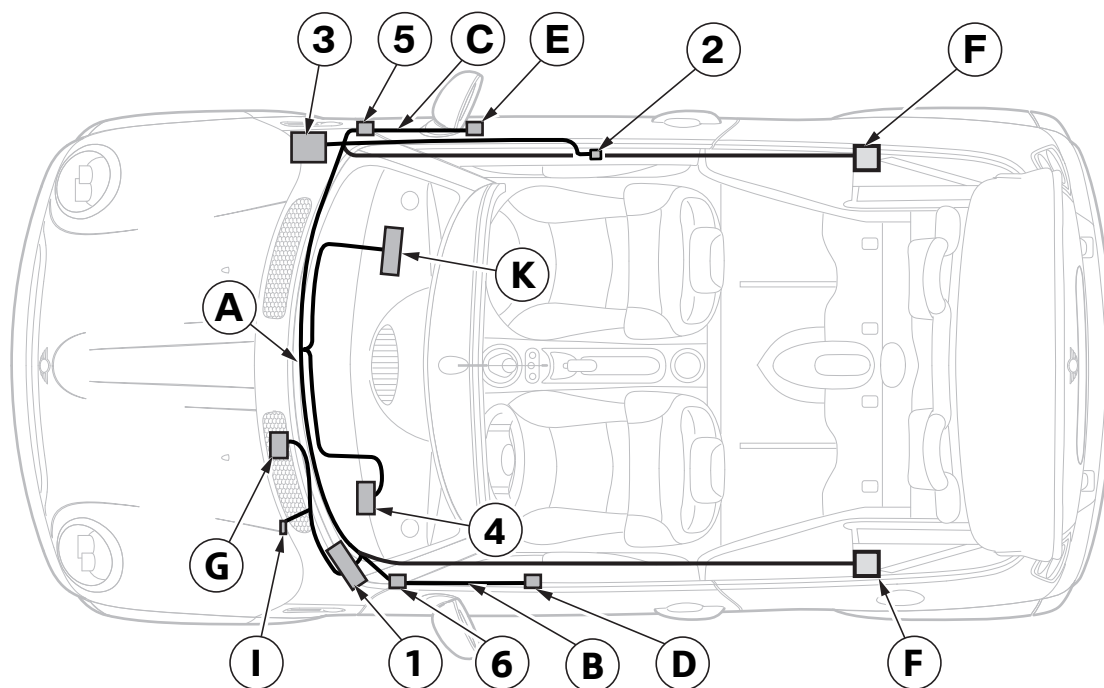
R57 0003 R

Legend

- A** Alarm system wiring harness
- B** Left door wiring harness
- C** Right door wiring harness
- D** Left microwave sensor, SW
- E** Right microwave sensor, BR
- F** Rear microwave sensor, BL
- G** Emergency power siren
- K** Revolution counter
- I** Engine compartment lid contact

- 1** Rubber grommet cable guide
- 2** Ground support point, **X2846**
- 3** Fuse holder SPEG-high, **A4010**
- 4** CAS control unit, **A149**
- 5** Right door separation point, **X256**
- 6** Left door separation point, **X257**

6. Installation and cabling diagram, RHD car



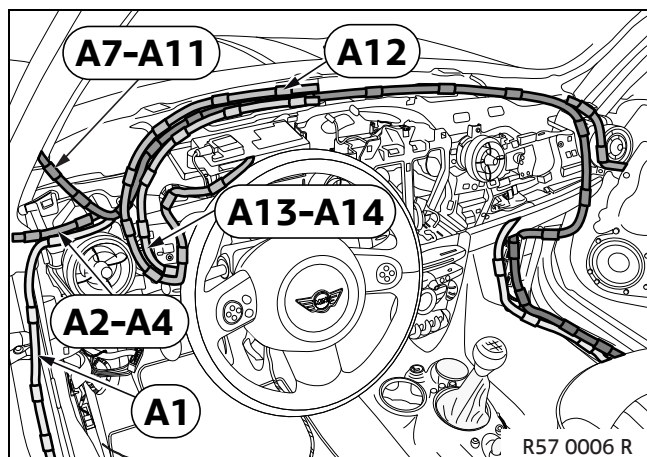
R57 0004 R

Legend

- A** Alarm system wiring harness
- B** Left door wiring harness
- C** Right door wiring harness
- D** Left microwave sensor, SW
- E** Right microwave sensor, BR
- F** Rear microwave sensor, BL
- G** Emergency power siren
- K** Revolution counter
- I** Engine compartment lid contact

- 1** Rubber grommet cable guide
- 2** Ground support point, **X2846**
- 3** Fuse holder SPEG-high, **A4010**
- 4** CAS control unit, **A149**
- 5** Right door separation point, **X256**
- 6** Left door separation point, **X257**

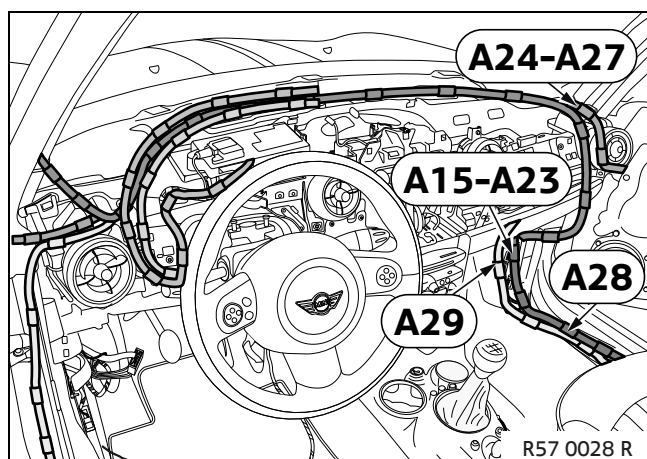
7. Routing and connecting the alarm system wiring harness



Route the alarm system wiring harness, guiding the following branches to the left as you do so:

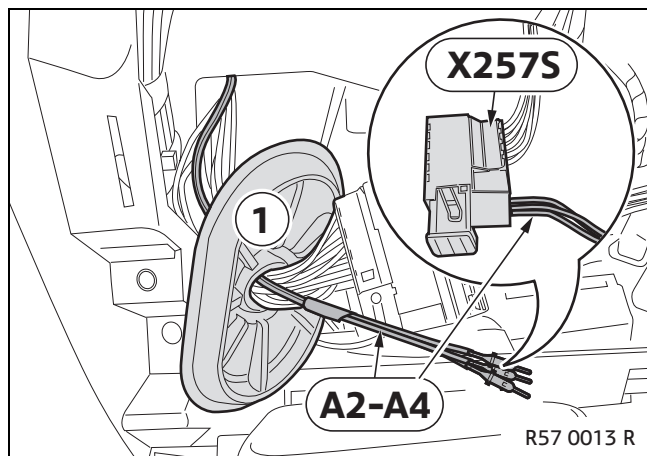
- Branch **A1**, rear microwave sensor
- Branch **A2-A4**, left door separation point
- Branch **A7-A11**, emergency power siren
- Branch **A12**, CAS control unit
- Branch **A13-A14**, revolution counter

▶ Branch **A7-A11** is routed to the engine compartment through the rubber grommet. ◀



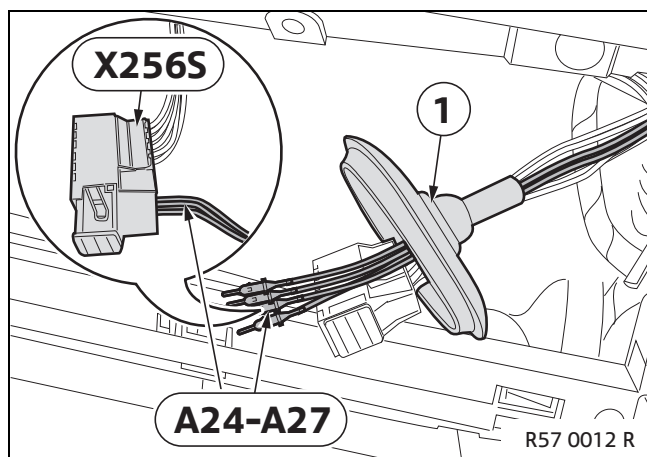
Route the alarm system wiring harness, guiding the following branches to the right as you do so:

- Branch **A15-A23**, SPEG-high
- Branch **A24-A27**, right door separation point
- Branch **A28**, ground support point
- Branch **A29**, rear microwave sensor



Route branches **A2-A4** through removed rubber grommet (1) and connect as follows to pin housing **X257S**:

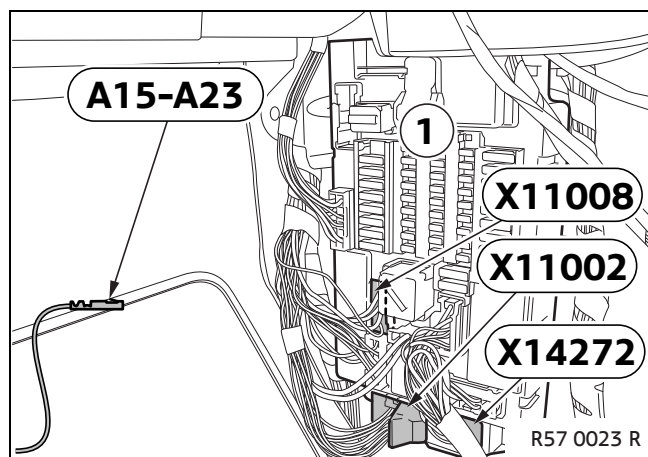
- Branch **A2**, GE/BL cable, to PIN 1
- Branch **A3**, RT/SW cable, to PIN 2
- Branch **A4**, BR cable, to PIN 3



Route branches **A24-A27** through removed rubber grommet (1) and connect as follows to pin housing **X256S**:

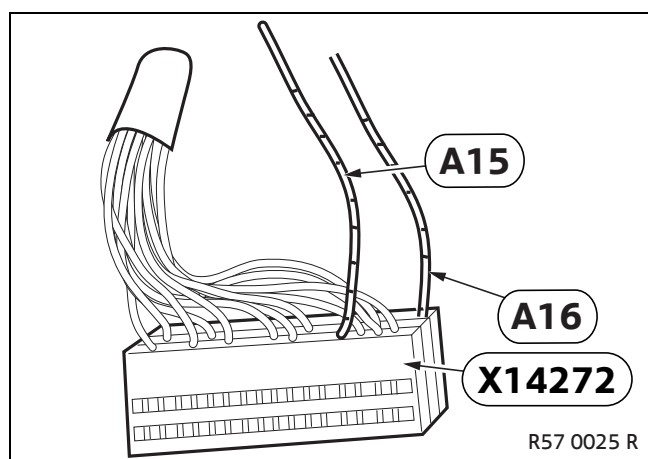
- Branch **A24**, GE/BL cable, to PIN 1
- Branch **A25**, RT/WS cable, to PIN 2
- Branch **A26**, SW/GE cable, to PIN 18
- Branch **A27**, BR cable, to PIN 24

7. Routing and connecting the alarm system wiring harness



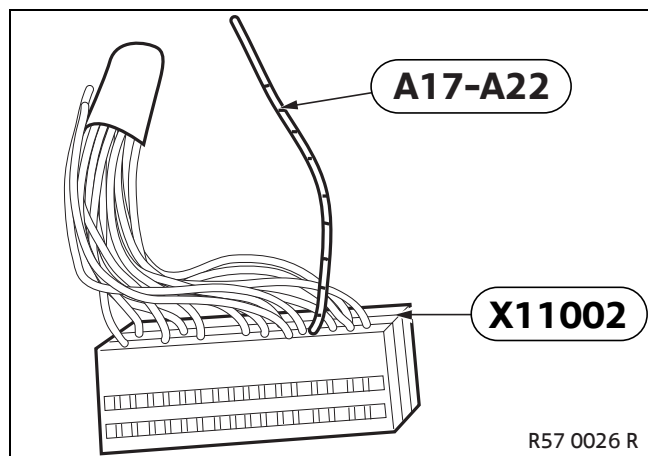
Route branches **A15–A23** to the right-hand footwell.

Disconnect plugs **X14272**, **X11002** and **X11008** from fuse holder SPEG-high(1).



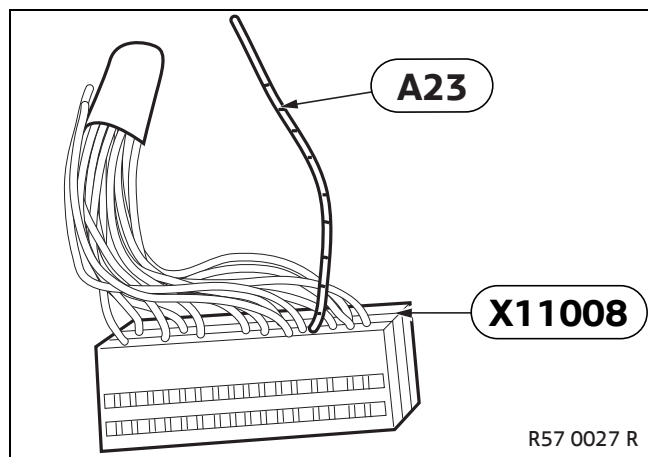
Connect branches **A15–A16** as follows to plug **X14272** (SW 24-pin):

- Branch **A15**, GR/GE cable, to PIN 11
- Branch **A16**, WS cable, to PIN 23



Connect branches **A17–A22** as follows to plug **X11002** (SW 52-pin):

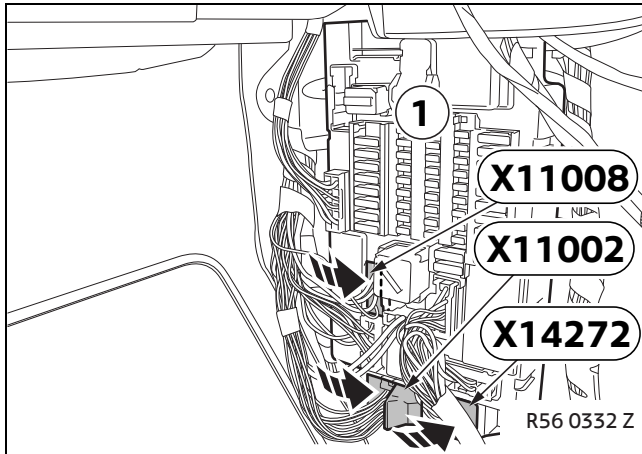
- Branch **A17**, SW/RT cable, to PIN 17
- Branch **A18**, RT/WS cable, to PIN 25
- Branch **A19**, VI/GR/GE cable, to PIN 32
- Branch **A20**, SW/WS cable, to PIN 36
- Branch **A21**, RT/SW cable, to PIN 42
- Branch **A22**, SW/GE cable, to PIN 51



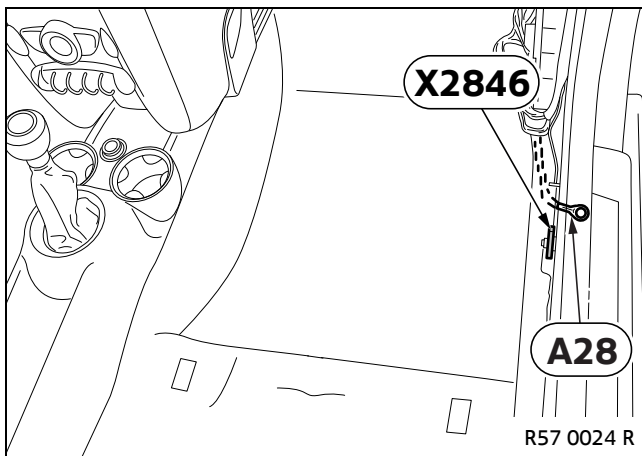
Connect branch **A23** to plug **X11008** (SW 18-pin):

- Branch **A23**, RT cable, to PIN 12

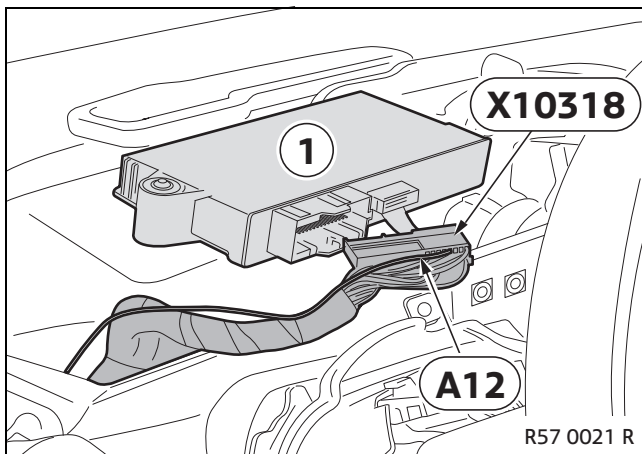
7. Routing and connecting the alarm system wiring harness



Connect plugs **X14272**, **X11002** and **X11008** to fuse holder SPEG-high (1).



Screw on branch **A28** to ground support point **X2846**.



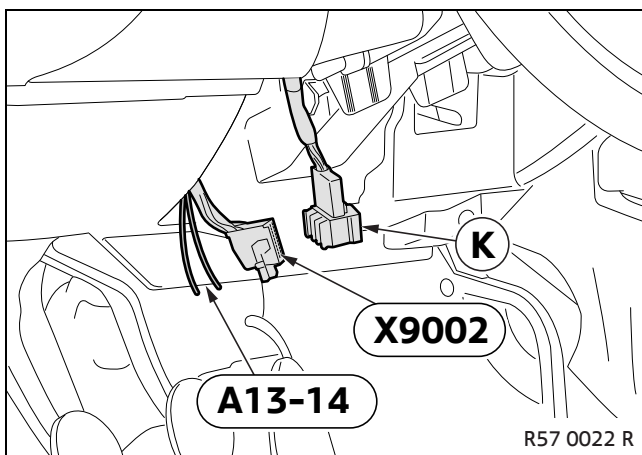
Only vehicles with engine compartment lid contact already fitted

Insulate and tie back branch **A12**.

Only vehicles without engine compartment lid contact already fitted

Connect branch **A12**, VI/GN cable, to PIN 38 of plug **X10318**, SW 41-pin socket casing.

Connect plug **X10318** to the CAS control unit (1).



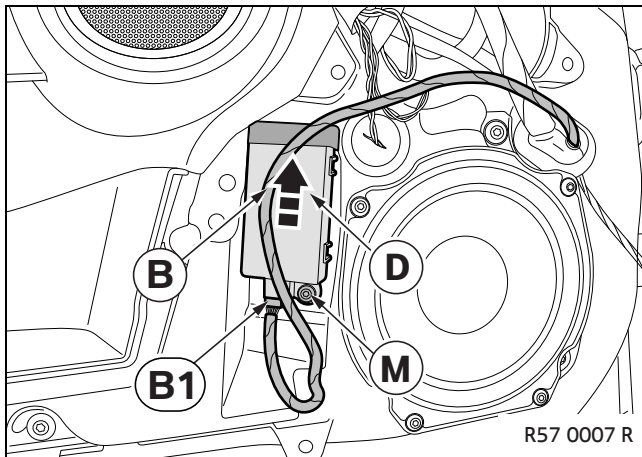
All cars

Route branches **A13** and **A14** to the left footwell and connect as follows to plug **X9002** (SW 18-pin) :

- Branch **A13**, WS cable, to PIN 11
- Branch **A14**, GR/GE cable, to PIN 12

Connect plug **X9002** to revolution counter **K**.

8. Installing microwave sensors in the doors, routing and connecting door wiring harnesses



Only cars built before 3/12

Insert left microwave sensor, SW, **D** in door module and press upwards **arrow**.

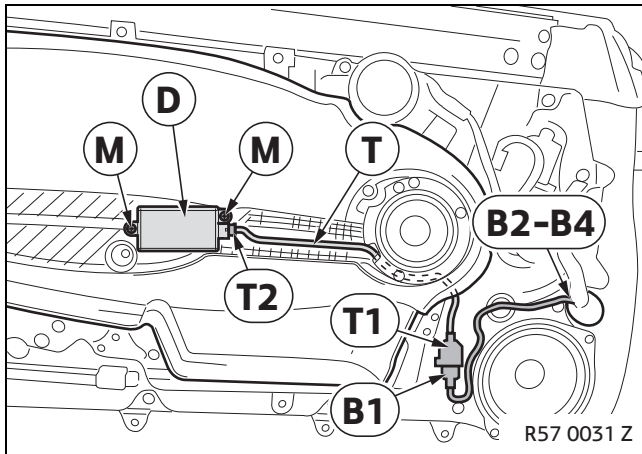
Screw on left microwave sensor, SW, **D** with oval-head screw **M**.

Connect branch **B1** to left microwave sensor, SW, **D**.

Route branch **B** along the door wiring harness to the door separator point.



Make a small hole in the centre to route branch **B** through the rubber grommet. ◀



Only cars built after 3/12

Insert left microwave sensor, SW, **D** into the door rest section and screw into place with oval-head screw **M**.

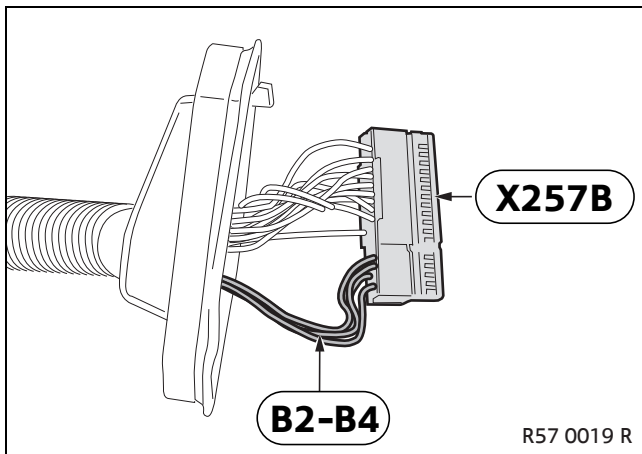
Connect branch **T1** to branch **B1** and route extension **T** as shown to the installation point for microwave sensor **D**.

Connect branch **T2** to left microwave sensor, SW, **D**.

Route branches **B2-B4** along the door wiring harness to the door separator point.



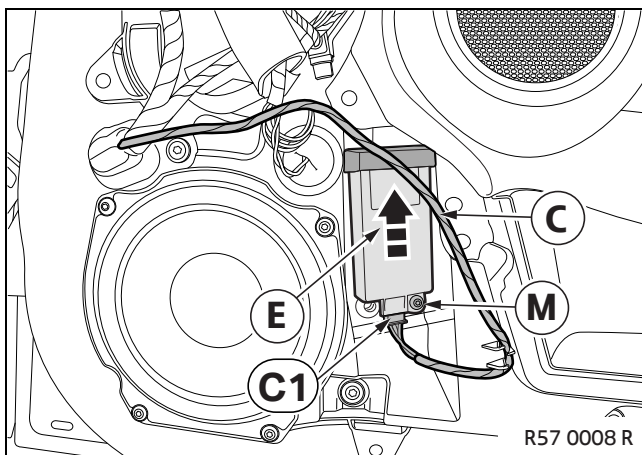
Make a small hole in the centre to route branches **B2-B4** through the rubber grommet. ◀



All cars

Connect branches **B2-B4** as follows to plug **X257B**:

- Branch **B2**, GE/BL cable, to PIN 1
- Branch **B3**, RT/SW cable, to PIN 2
- Branch **B4**, BR cable, to PIN 3



Only cars built before 3/12

Insert left microwave sensor, SW, **E** into the door module and press upwards **arrow**.

Screw on left microwave sensor, SW, **E** with oval-head screw **M**.

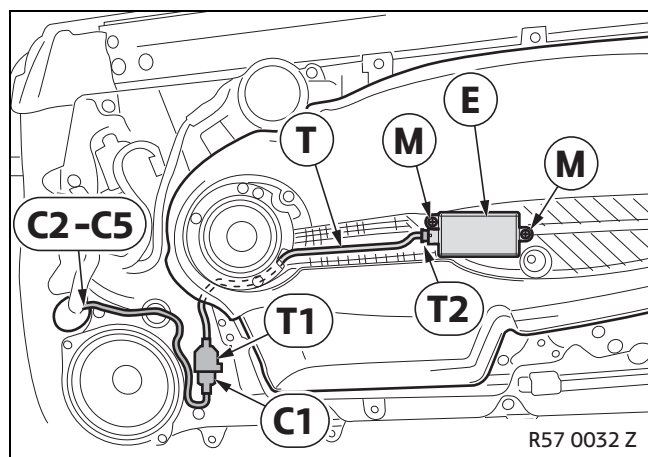
Connect branch **C1** to left microwave sensor, SW, **E**.

Route branch **C** along the door wiring harness to the door separator point.



Make a small hole in the centre to route branch **C** through the rubber grommet. ◀

8. Installing microwave sensors in the doors, routing and connecting door wiring harnesses



Only cars built after 3/12

Insert left microwave sensor, SW, **E** into the door rest section and screw into place with oval-head screw **M**.

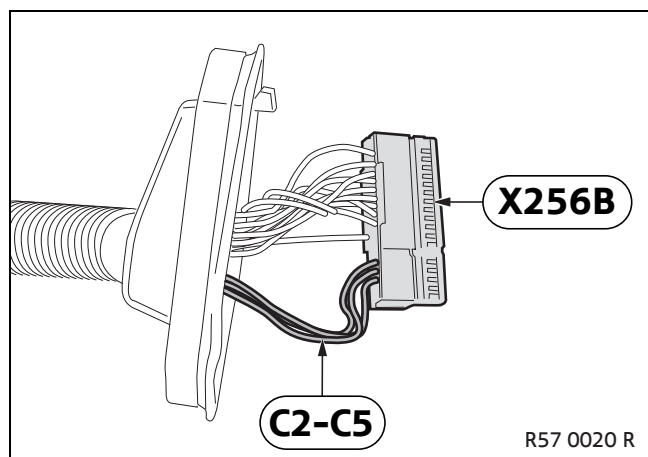
Connect branch **T1** to branch **C1** and route extension **T** as shown to the installation point for microwave sensor **E**.

Connect branch **T2** to left microwave sensor, SW, **E**.

Route branches **C2-C5** along the door wiring harness to the door separator point.



Make a small hole in the centre to route branches **C2-C5** through the rubber grommet. ◀

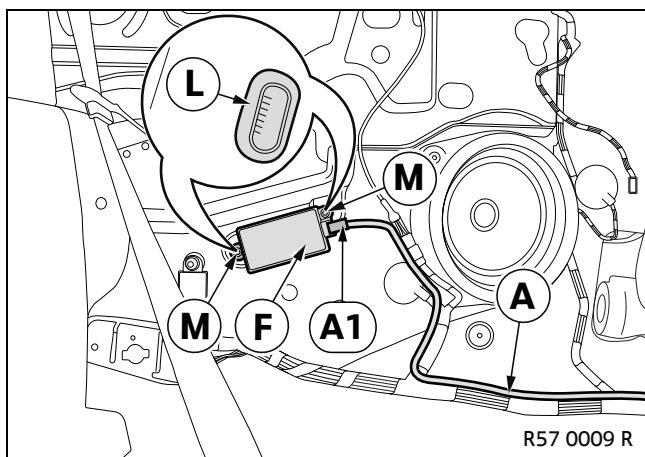


All cars

Connect branches **C2-C5** as follows to plug **X257B**:

- Branch **C2**, GE/BL cable, to PIN 1
- Branch **C3**, RT/SW cable, to PIN 2
- Branch **C4**, SW/GE cable, to PIN 18
- Branch **C5**, BR cable, to PIN 24

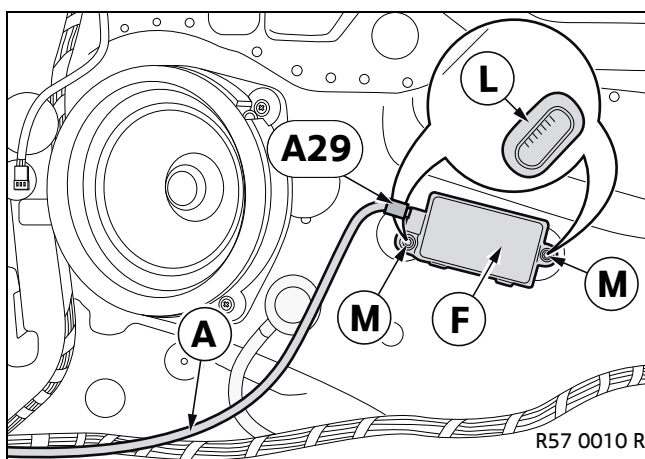
9. Installing rear microwave sensor and connecting anti-theft alarm system wiring harness



Insert expansion nuts **L** into the holes provided and screw on rear left microwave sensor, **BL**, **F** with oval-head screws **M**.

Connect branch **A1** to rear left microwave sensor, **BL**, **F**.

Secure wiring harness **A** to the standard wiring harness with cable ties.

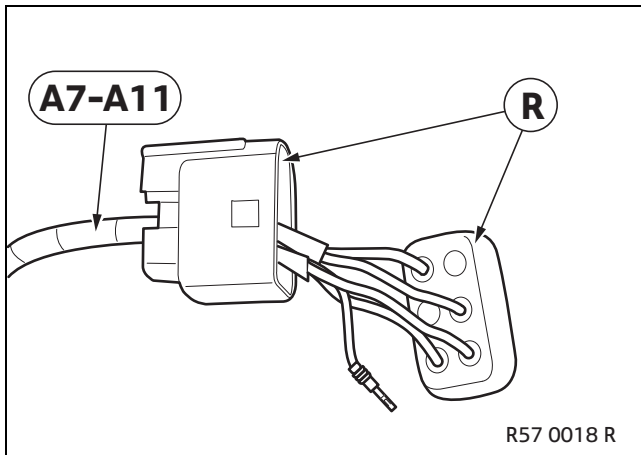


Insert expansion nuts **L** into the holes provided and screw on rear right microwave sensor, **BL**, **F** with oval-head screws **M**.

Connect branch **A29** to rear right microwave sensor, **BL**, **F**.

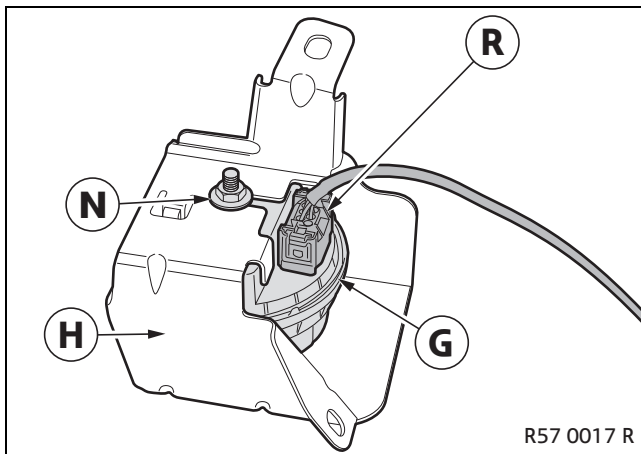
Secure wiring harness **A** to the standard wiring harness with cable ties.

10. Installing the emergency power siren and engine compartment lid contact



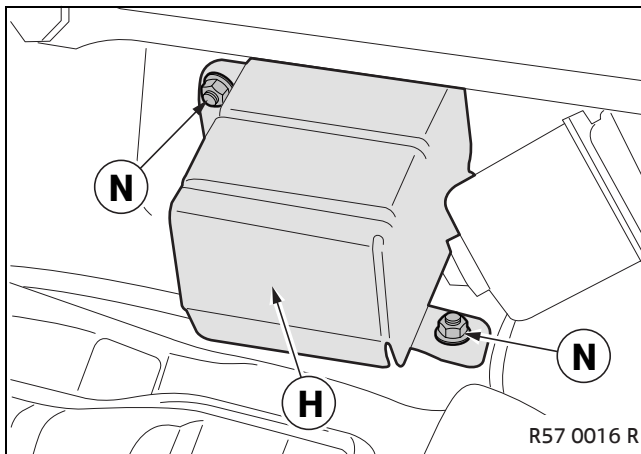
Connect branches **A7–A11** to socket casing **R** as follows:

- Branch **A7**, SW/WS cable, to PIN 2
- Branch **A8**, SW/RT cable, to PIN 3
- Branch **A9**, BR cable, to PIN 4
- Branch **A10**, VI/GR/GE cable, to PIN 5
- Branch **A11**, RT cable, to PIN 6



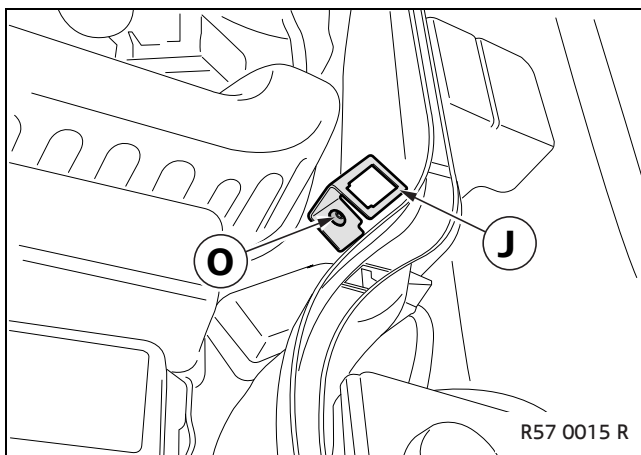
Screw emergency power siren **G** onto holder **H** with hexagon nut **N**.

Connect socket casing **R** to emergency power siren **G**.



▶ Ensure that no cables are trapped under holder **H**. ◀

Screw emergency power siren mount **H** onto the bodywork with hexagon nut **N**.



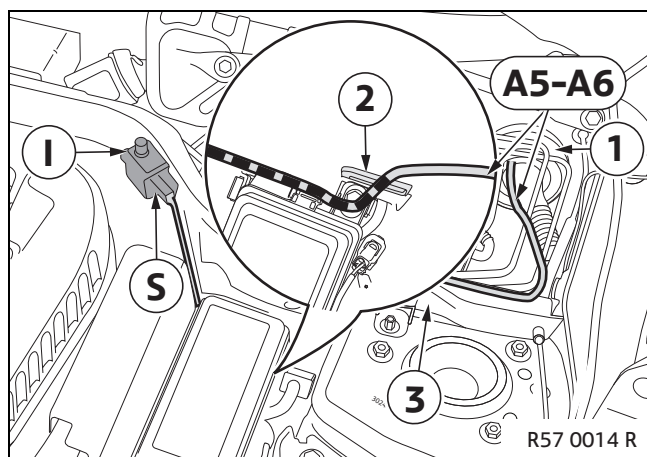
Only vehicles with engine compartment lid contact already fitted

Insulate branches **A5–A6** and tie them back.

Only vehicles without engine compartment lid contact already fitted

Screw engine compartment lid contact mount **J** onto the intended location with screw **O**.

10. Installing the emergency power siren and engine compartment lid contact



▢ Branches **A5-A6** must be routed through the rubber grommet (2) under the splash guard (3). ◀

⚠ Ensure branch **A5-A6** is not trapped. ◀

Route branch **A5-A6** to the engine compartment lid contact **I**. Clip engine compartment lid contact **I** into holder.

Connect branch **A5-A6** to socket casing **S**.

- Branch **A5**, VI/GN cable, to PIN 1
- Branch **A6**, BR cable, to PIN 2

11. Concluding work and coding

The retrofit system requires programming/coding.

- Connect the battery
- Carry out a vehicle test using the ISTA system and note or work through any entered error memory.
- Change in the ISTA/P car programming
- Select the "Anti-theft alarm system" retrofit via the – **Conversion** – path and work through the created action plan
- If using ISTA/P, please note the instructions in the ISTA/P application documentation
- Conduct a function test
- Re-assemble the car.

Re-assemble the car.



A description of how to operate the anti-theft alarm system can be found in the vehicle operating instructions. ◀

12. Wiring diagram for cars built before 3/12

Legend

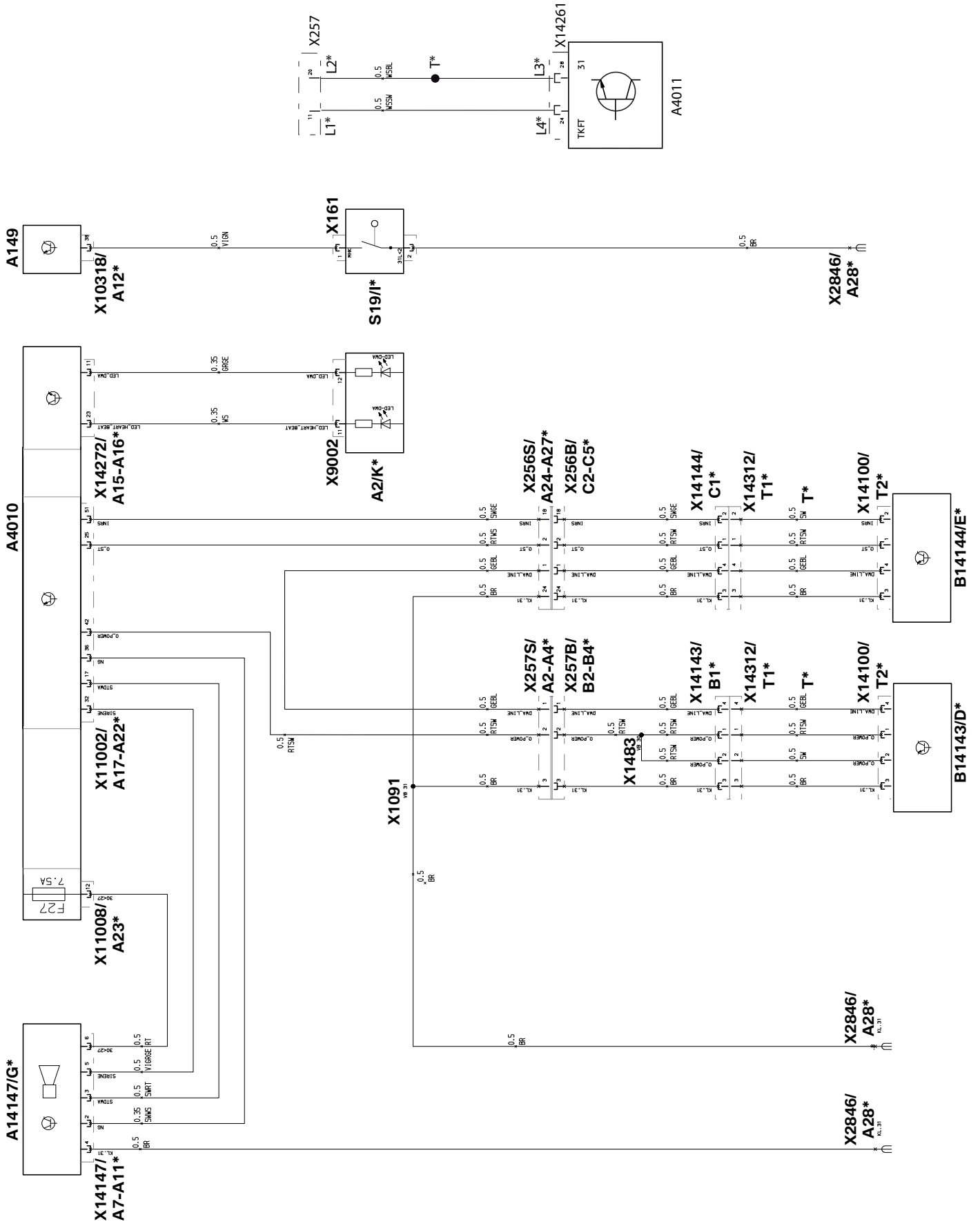
A149	CAS control unit
A4010	Fuse holder (SPEG high)
A14147	Emergency power siren G*
A2	Revolution counter K*
B14143	Left microwave sensor, SW, D*
B14144	Right microwave sensor, BR, E*
B14145	Rear microwave sensor, BL, F*
B14146	Rear microwave sensor, BL, F*
S19	Engine compartment contact I*
X161	GN 3-pin socket casing, A5–A6*
X256B	SW 30-pin door separator plug, right, C2–C5*
X256S	SW 30-pin door separator plug, right, A24–A27*
X257B	SW 30-pin door separator plug, left, B2–B4*
X257S	SW 30-pin door separator plug, left, A2–A4*
X2846	Ground support point, A28*
X9002	SW 18-pin socket casing, A13–A14*
X10318	SW 41-pin socket casing, A12*
X11002	SW 52-pin socket casing, to fuse holder SPEG-high, A4010, A17–A22*
X11008	SW 18-pin socket casing, to fuse holder SPEG-high, A4010, A23*
X14143	SW 4-pin socket casing, on left microwave sensor, BR, B14143, B1*
X14144	SW 4-pin socket casing, on right microwave sensor, SW, B14144, C1*
X14145	SW 4-pin socket casing, on rear microwave sensor, BL, B14145, A1*
X14146	SW 4-pin socket casing, on rear microwave sensor, BL, B14146, A29*
X14147	SW 6-pin socket casing, on emergency power siren A14147, A7–A11*
X14272	SW 24-pin socket casing, to fuse holder SPEG-high, A4010, A15–A16*

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

Cable colours

BL	Blue	GR	Grey	RT	Red
BO	Bordeaux (Burgundy)	L-GN	Light green	SW	Black
BR	Brown	NT	Natural	TR	Transparent
GE	Yellow	OR	Orange	VI	Violet
GN	Green	RO	Pink	WS	White

13. Wiring diagram for cars built after 3/12



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13. Wiring diagram for cars built after 3/12

Legend

A149	CAS control unit
A4010	Fuse holder (SPEG high)
A14147	Emergency power siren G*
A2	Revolution counter K*
B14143	Left microwave sensor, SW, D*
B14144	Right microwave sensor, BR, E*
B14145	Rear microwave sensor, BL, F*
B14146	Rear microwave sensor, BL, F*
S19	Engine compartment contact I*
X161	GN 3-pin socket casing, A5–A6*
X256B	SW 30-pin door separator plug, right, C2–C5*
X256S	SW 30-pin door separator plug, right, A24–A27*
X257B	SW 30-pin door separator plug, left, B2–B4*
X257S	SW 30-pin door separator plug, left, A2–A4*
X2846	Ground support point, A28*
X9002	SW 18-pin socket casing, A13–A14*)
X10318	SW 41-pin socket casing, A12*
X11002	SW 52-pin socket casing, to fuse holder SPEG-high, A4010, A17–A22*
X11008	SW 18-pin socket casing, to fuse holder SPEG-high, A4010, A23*
X14100	SW 4-pin socket casing, to left microwave sensor, BR, B14143, T2*
X14143	SW 4-pin socket casing, to left microwave sensor, BR, B14143, B1*
X14144	SW 4-pin socket casing, to right microwave sensor, SW, B14144, C1*
X14145	SW 4-pin socket casing, to rear microwave sensor, BL, B14145, A1*
X14146	SW 4-pin socket casing, to rear microwave sensor, BL, B14146, A29*
X14147	SW 6-pin socket casing, to emergency power siren A14147, A7–A11*
X14272	SW 24-pin socket casing, to fuse holder SPEG-high, A4010, A15–A16*
X14312	SW 4-pin pin housing, T1* , to branch B1*/C1*

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

Cable colours

BL	Blue	GR	Grey	RT	Red
BO	Bordeaux (Burgundy)	L-GN	Light green	SW	Black
BR	Brown	NT	Natural	TR	Transparent
GE	Yellow	OR	Orange	VI	Violet
GN	Green	RO	Pink	WS	White