

ORIGINAL MINI ACCESSORIES. INSTALLATION INSTRUCTIONS.



Retrofit Kit Additional Headlight

MINI 3-door (F56)

MINI 5-door (F56)

MINI CLUBMAN (F54)

MINI CONVERTIBLE (F57)

MINI COUNTRYMAN (F60)

Installation instructions only valid for US cars

Retrofit kit number

63 12 2 288 981	Retrofit kit, additional headlight LED chrome
63 12 2 288 982	Retrofit kit, additional headlight LED black
63 12 0 417 885	Retrofit kit, additional headlight black
63 21 0 420 292	Retrofit kit, additional headlight chrome
63 12 2 355 769	Additional headlight bracket US (for F55, F56, F57 cars)
63 12 2 409 544	Additional headlight bracket US (for F54 cars)
63 12 2 448 814	Additional headlight bracket US (for F60 cars)
63 12 2 284 922	Interface add-on kit (only for cars with SA 5A2 or SA 5A4)
51 45 2 355 772	Additional headlight button

Installation time

The installation time is **approx. 2.5 hours**. This may vary depending on the condition of the vehicle and the equipment in it.

Important information

These installation instructions are primarily designed for use within the MINI 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:

- Vehicle identification 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 other 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/wires 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.

After installation, the additional headlights must be adjusted.



– Note the ESD guidelines.

– **Important information for installing the "chrome/black LED additional headlight" retrofit kit on cars with halogen low-beam headlights:** If the LED additional headlight flashes several times incorrectly when the ignition is switched on, the control module bearing part number 63 12 2 289 191 must also be ordered and installed instead of the control module included with the kit. ◀

Customer information

Print out the **Customer information** section at the end of these installation instructions and give it to the customer.

List of special equipment

The following special equipment must be taken into consideration when installing:

SA 5A2 LED headlight

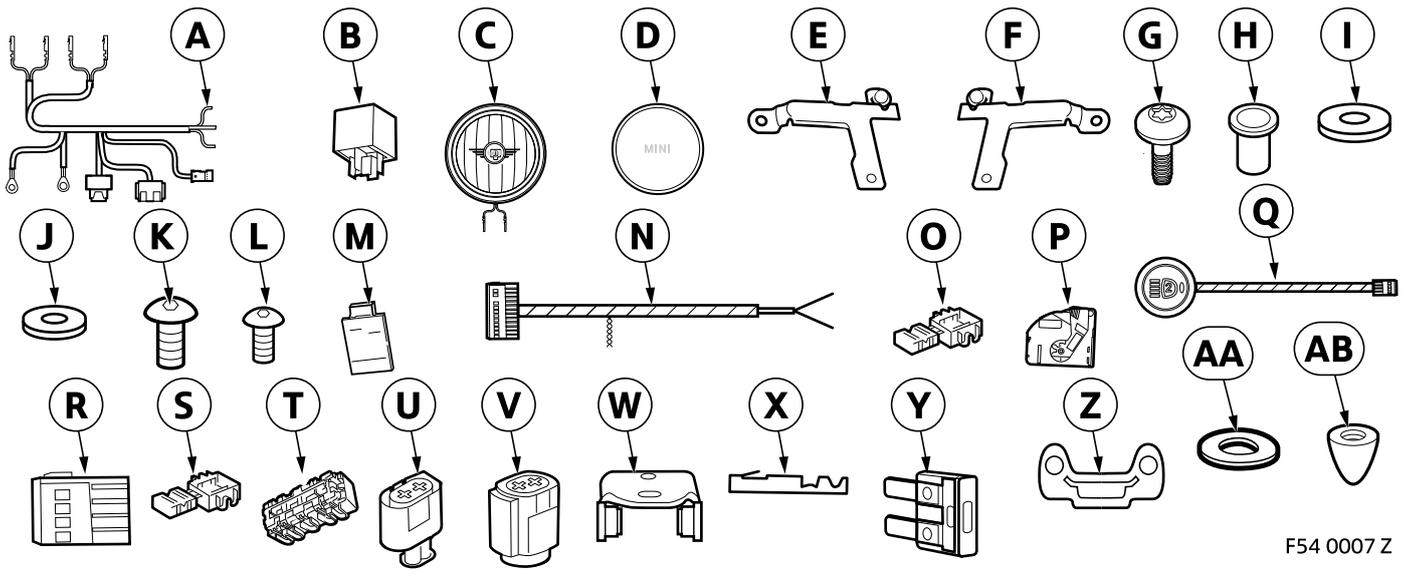
SA 5A4 LED headlight with cornering light

Special tools required

Details of the special tool required can be found in the relevant ISTA repair manual.

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1. Retrofit kit parts list (F5x cars only)

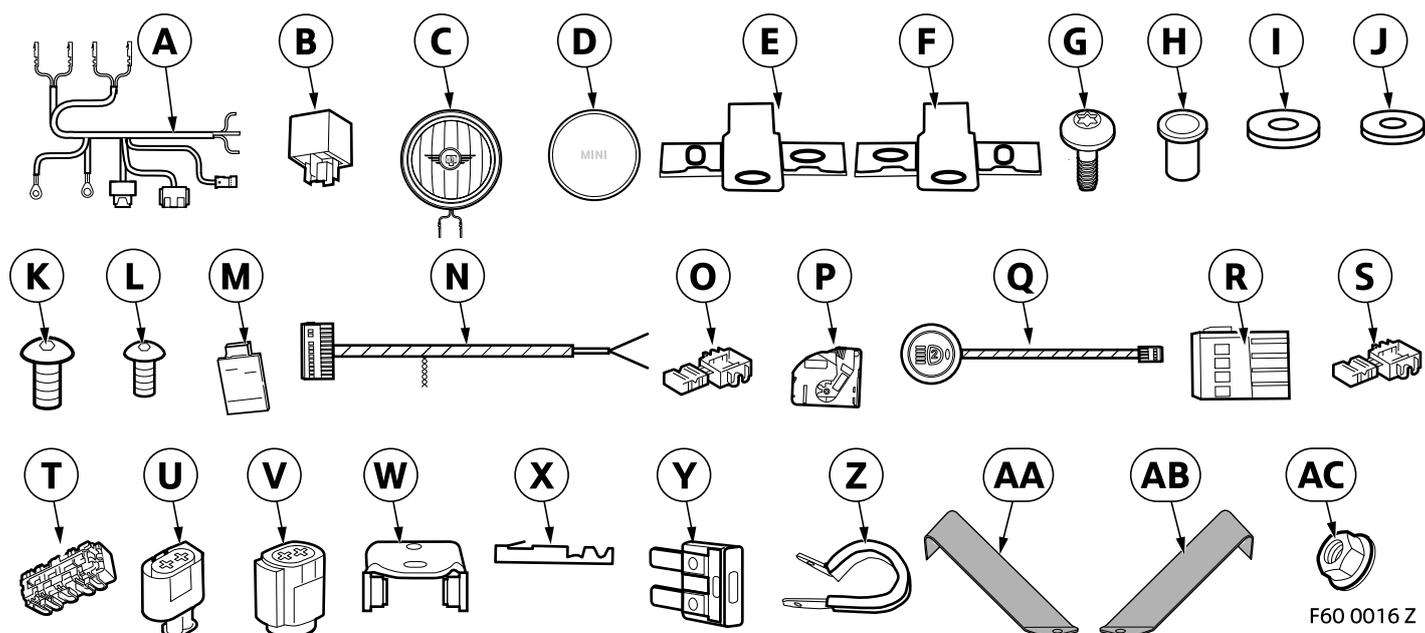


F54 0007 Z

Legend

- A** Retrofit wiring harness (part of the additional headlight retrofit kit)
- B** Control module (part of the additional headlight retrofit kit)
- C** Additional headlight (2 x, part of the additional headlight retrofit kit)
- D** Cover cap (2 x, part of the additional headlight retrofit kit)
- E** Left additional headlight bracket (part of the additional headlight bracket retrofit kit)
- F** Right additional headlight bracket (part of the additional headlight bracket retrofit kit)
- G** Pan head screw (2 x, part of the additional headlight bracket retrofit kit)
- H** Rivet nut (2 x, part of the additional headlight bracket retrofit kit)
- I** Spring washer D = 6.4 mm (4 x for F55/F56/F57 cars, 8 x for F54 cars, part of the additional headlight bracket installing set)
- J** Spring washer D = 5.3 mm (4 x for F55/F56/F57 cars, 6 x for F54 cars, part of the additional headlight bracket installing set)
- K** Screw M6x16 (4 pieces for F55/F56/F57 cars, 6 pieces for F54 cars, component of additional headlight bracket retrofit kit)
- L** Screw M5x12 (2 x, for F55/F56/F57 cars only, part of the additional headlight bracket installing set)
- M** Interface (only for cars with SA 5A2 or SA 5A4, part of the interface add-on kit)
- N** Wiring harness interface (only for cars with SA 5A2 or SA 5A4, part of the interface add-on kit)
- O** Miniature connector (4 x, only for cars with SA 5A2 or SA 5A4, part of the interface add-on kit)
- P** Cover cap (only for cars with SA 5A2 or SA 5A4, part of the interface add-on kit)
- Q** Button (part of the additional headlight button retrofit kit)
- R** WS 4-pin socket housing (part of the additional headlight button retrofit kit)
- S** 2-way miniature connector (2 x, part of the additional headlight retrofit kit)
- T** 5-way miniature connector (part of the additional headlight retrofit kit)
- U** SW 2-pin socket casing (2 x, part of the additional headlight retrofit kit)
- V** SW 2-pin pin housing (2 x, part of the additional headlight retrofit kit)
- W** Bracket lower section (2 x, part of the additional headlight bracket retrofit kit)
- X** Socket contact (not required)
- Y** 3 A blade terminal fuse (only in Installing set additional high beam headlight, LED)
- Z** Spacer (2 pieces, for F54 cars only)
- AA** Washer (4 pieces, for F54 cars only)
- AB** Stop pad (2 pieces, for F54 cars only)

2. Retrofit kit parts list (F60 cars only)



F60 0016 Z

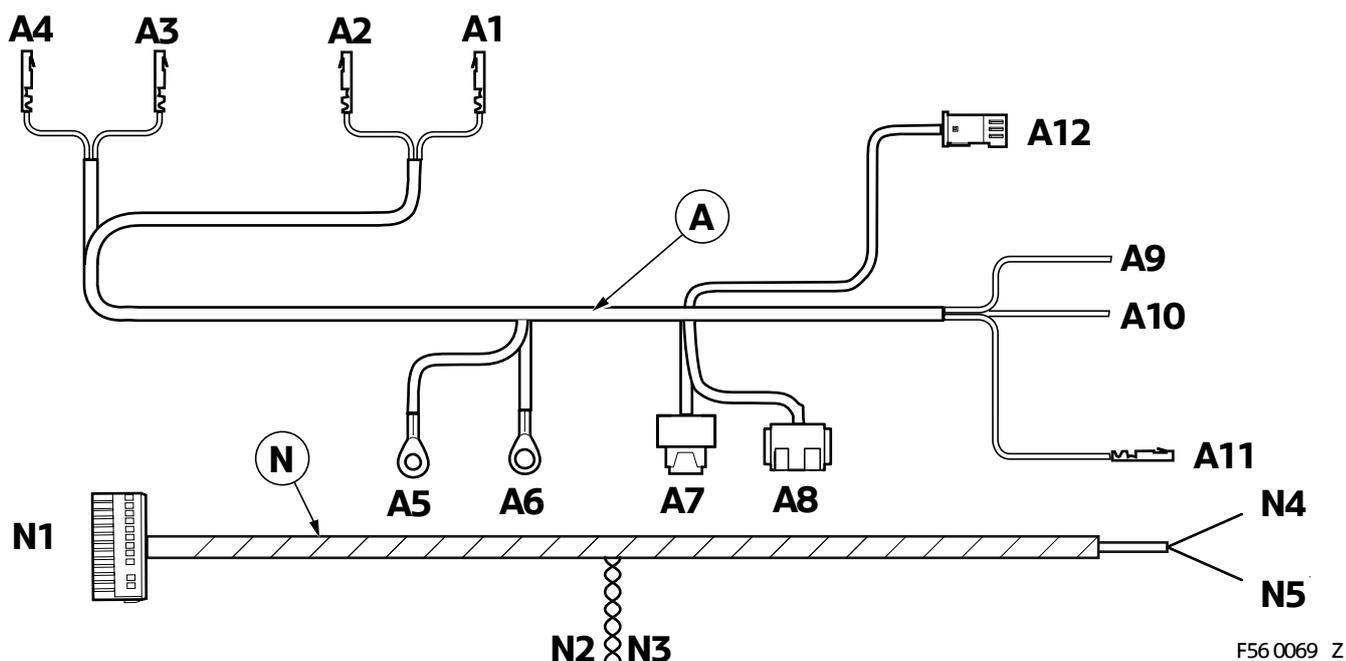
Legend

- A** Retrofit wiring harness (part of the additional headlight retrofit kit)
- B** Control module (part of the additional headlight retrofit kit)
- C** Additional headlight (2 x, part of the additional headlight retrofit kit)
- D** Cover cap (2 x, part of the additional headlight retrofit kit)
- E** Right additional headlight bracket (part of the additional headlight bracket retrofit kit)
- F** Left additional headlight bracket (part of the additional headlight bracket retrofit kit)
- G** Pan head screw (4 x, part of the additional headlight bracket retrofit kit)
- H** Rivet nut (4 x, part of the additional headlight bracket retrofit kit)
- I** Spring washer D = 6.4 mm (4 x, part of the additional headlight bracket retrofit kit)
- J** Spring washer D = 5.3 mm (2 x, part of the additional headlight bracket retrofit kit)
- K** Screw M6x16 (6 x, part of the additional headlight bracket retrofit kit)
- L** Screw M5x12 (2 x, part of the additional headlight bracket retrofit kit)
- M** Interface (only for cars with SA 5A2 or SA 5A4, part of the interface add-on kit)
- N** Wiring harness interface (only for cars with SA 5A2 or SA 5A4, part of the interface add-on kit)
- O** Miniature connector (4 x, only for cars with SA 5A2 or SA 5A4, part of the interface add-on kit)
- P** Cover cap (only for cars with SA 5A2 or SA 5A4, part of the interface add-on kit)
- Q** Button (part of the additional headlight button retrofit kit)
- R** WS 4-pin socket housing (part of the additional headlight button retrofit kit)
- S** 2-way miniature connector (2 x, part of the additional headlight retrofit kit)
- T** 5-way miniature connector (part of the additional headlight retrofit kit)
- U** SW 2-pin socket housing (2 x, part of the additional headlight retrofit kit)
- V** SW 2-pin pin housing (2 x, part of the additional headlight retrofit kit)
- W** Bracket lower section (2 x, part of the additional headlight bracket retrofit kit)
- X** Socket contact (not required)
- Y** 3 A blade terminal fuse (only in additional LED high-beam headlights retrofit kit)
- Z** Pipe clip (2 x)
- AA** Right connector strut (part of the additional headlight bracket retrofit kit)
- AB** Left connector strut (part of the additional headlight bracket retrofit kit)
- AC** Nut (2 x, part of the additional headlight bracket retrofit kit)

3. Preparatory work

	ISTA No.
Disconnect the negative battery cable	61 20 900
The following components must be removed first of all	
Front bumper trim	51 11 ...
Left and right windscreen wiper arms	61 61 081
Cowl cover	51 13 124
(Interior) door sill cover strip, passenger side	51 47 000
Footwell side trim on the A-pillar, passenger side	51 43 075
Glove box	51 16 366
Unfasten the front power distribution box	61 14 ...
Front power distributor holder	---
Steering column trim, lower section	32 31 020

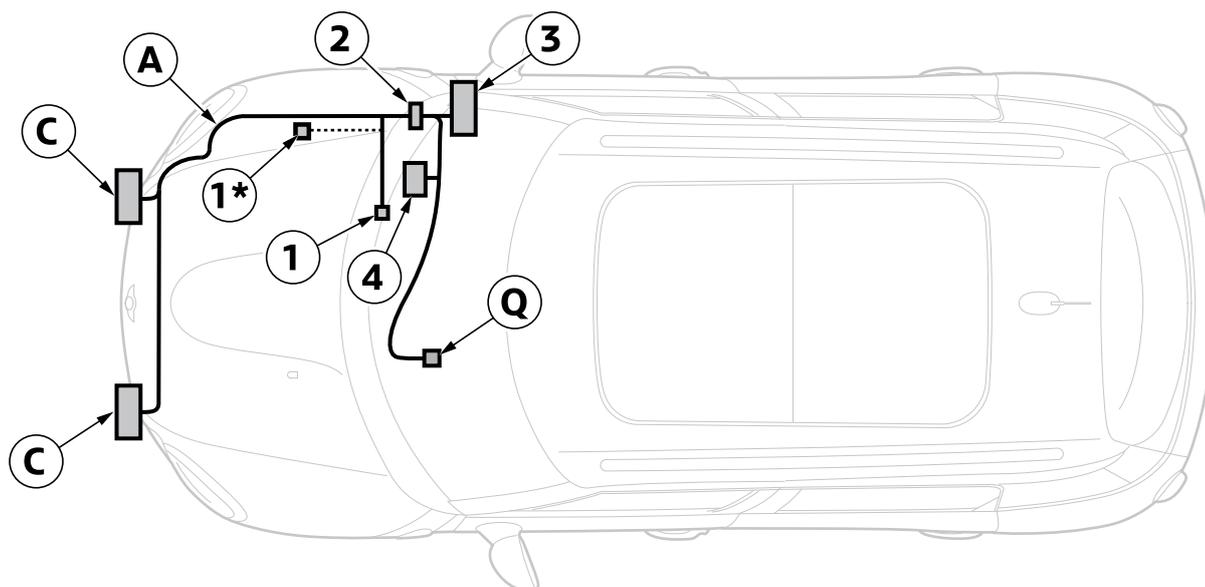
4. Retrofit wiring harness connection diagram



F56 0069 Z

Item	Designation	Signal	Cable colour/ cross-section	Connection location in the car	Abbreviation/ slot
A	Retrofit wiring harness	---	---	---	---
A1	Socket contact	FSL	BL/RT 1.0 mm ²	With socket casing U to pin housing V of left-hand additional headlight C	PIN 1
A2	Socket contact	Terminal 31	BR 1.0 mm ²	With socket casing U to pin housing V of left-hand additional headlight C	PIN 2
A3	Socket contact	FSR	BL/WS 1.0 mm ²	With socket casing U to pin housing V of right-hand additional headlight C	PIN 1
A4	Socket contact	Terminal 31	BR 1.0 mm ²	With socket casing U to pin housing V of right-hand additional headlight C	PIN 2
A5	M6 ring eyelet	Terminal 31	BR	Screw onto ground support point next to DSC unit	Z10*12B
A6	M8 ring eyelet	Terminal 30	RT/BL 2.5 mm ²	To terminal 30 support point on fuse holder in the interior	Z7*1B
A7	Fuse holder	---	---	---	---
A8	SW 9-pin relay base	---	---	To control module B	---
A9	Open cable	Terminal 15	GR 0.75 mm ²	With miniature connector S to the cable from the BDC	A258*4B PIN 4
A10	Open cable	Terminal 58g	GR/RT 0.75 mm ²	With miniature connector S to the cable from the BDC	A258*2B PIN 41
A11	Socket contact	Terminal 56a	GE/BL 0.75 mm ²	Only cars without SA 5A2 or SA 5A4 With miniature connector T to the cable from the BDC Only cars with SA 5A2 or SA 5A4 With socket contact X in branch N1	A258*3B PIN 34 N1 PIN 6
A12	WS 4-pin socket housing	---	---	To button Q	---
N	Wiring harness interface	---	---	Only cars with SA 5A2 or SA 5A4	---
N1	SW 12-pin socket casing	---	---	To interface M	---
N2	Twisted cable	CAN High	BL 0.35 mm ²	With miniature connector O to the cable from the BDC	A258*8B PIN 44
N3	Twisted cable	CAN Low	GN 0.35 mm ²	With miniature connector O to the cable from the BDC	A258*8B PIN 43
N4	Open cable	Terminal 15	RT 0.35 mm ²	With miniature connector O to the cable from the BDC	A258*4B PIN 4
N5	Open cable	Terminal 31	BR 0.35 mm ²	With miniature connector O to the cable from the BDC	A258*3B PIN 24

5. Installation and cabling diagram

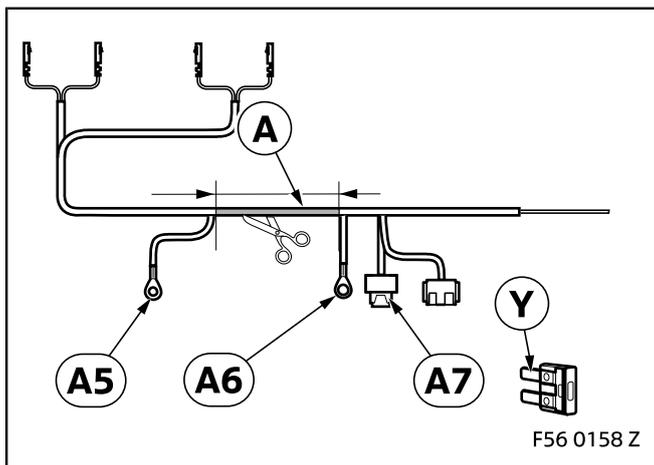


F60 0017 Z

- A Retrofit wiring harness
- C Additional headlight
- Q Button

- 1 Ground support point **Z10*12B** (not F60 cars)
- 1* Ground support point **Z10*12B** (F60 cars only)
- 2 Rubber grommet behind DSC unit
- 3 Body Domain Controller (BDC) **A258**
- 4 Power distribution box in the interior compartment **Z7*1B**

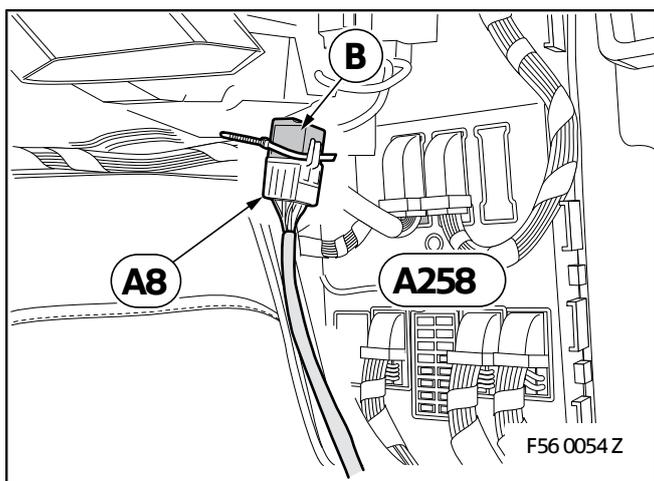
6. Installing and connecting the retrofit wiring harness



Wind up the cable around branch **A5** and **A6** of retrofit wiring harness **A**.

Wrap branches **A5** and **A6** individually using suitable insulating tape.

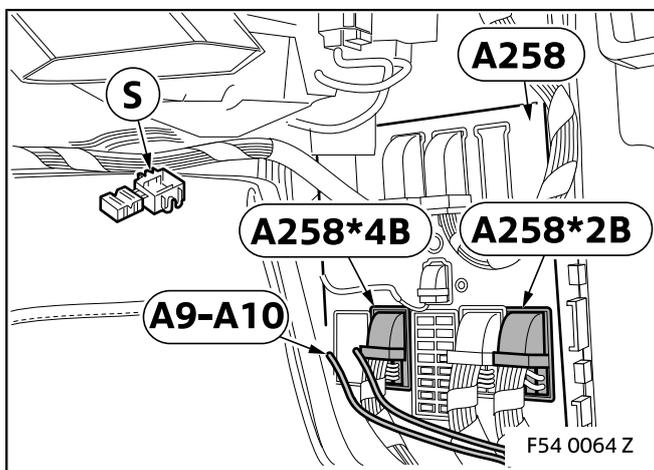
Only with additional headlight retrofit kit, LED
Replace the existing 15 A blade terminal fuse on branch **A7** with 3 A blade terminal fuse **Y**.



All cars

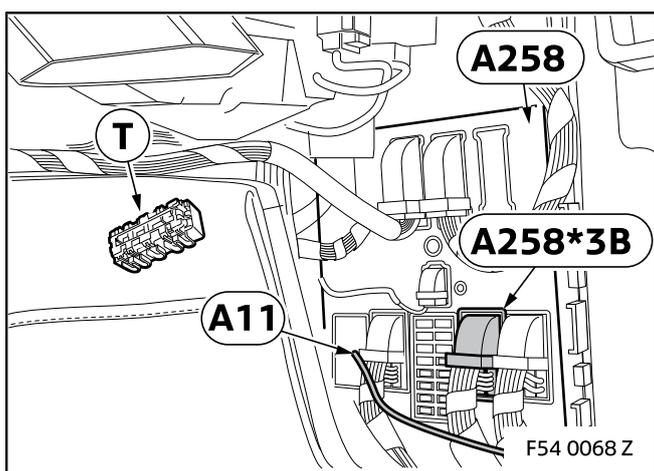
Connect control module **B** to branch **A8**.

Secure branch **A8** using suitable cable ties in the area of BDC **A258**.



Connect branch **A9**, GR cable, with miniature connector **S** to the cable from PIN 4 of plug **A258*4B** on the BDC **A258**.

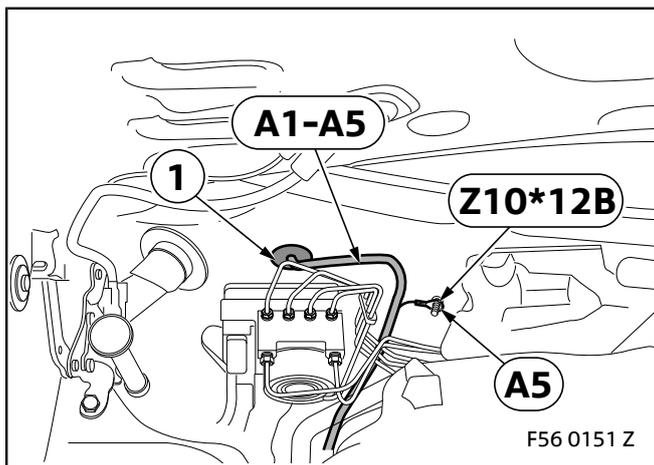
Connect branch **A10**, GR/RT cable, with miniature connector **S** to the cable from PIN 41 of plug **A258*2B** on the BDC **A258**.



Only cars without SA 5A2 or SA 5A4

Connect branch **A11**, GE/BL cable, with miniature connector **T** to the cable from PIN 34 of plug **A258*3B** on the BDC **A258**.

6. Installing and connecting the retrofit wiring harness



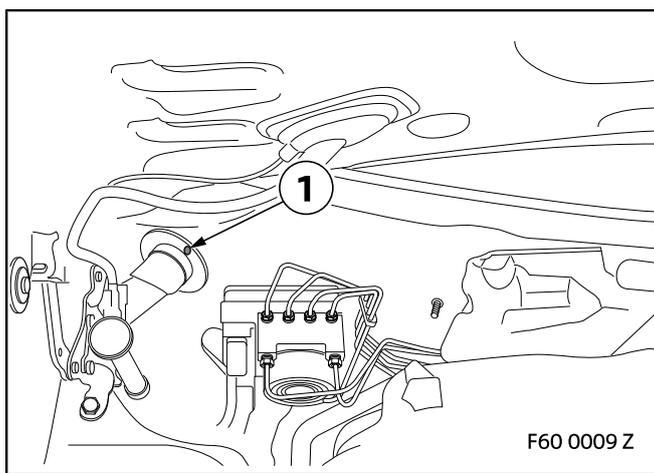
Route branches **A1-A5** from the footwell on the passenger side into the engine they and pull through the rubber grommet (1) (use draw-in tool).

Install rubber grommet (1) and seal it so that it is watertight using usual workshop products.

▶ To ensure a good ground connection, remove any paint from ground support point **Z10*12B**.

On RHD cars, screw branch **A5** to the negative pole of the car's battery. ◀

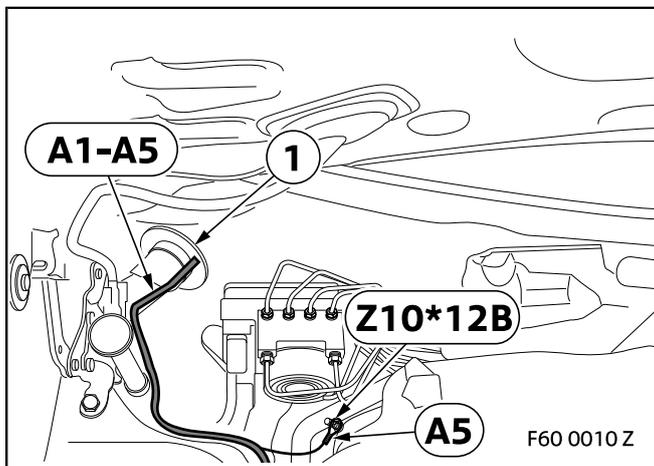
Screw branch **A5** to ground support point **Z10*12B**.



F60 cars only

⚠ Ensure that when you drill you do not damage any cables in the car. ◀

Drill a hole in the rubber grommet (1) with a 4 mm drill bit.



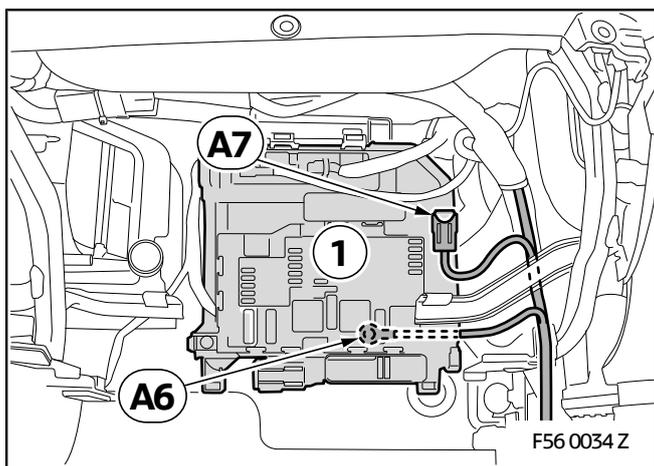
Route branches **A1-A5** from the footwell on the passenger side into the engine they and pull through the rubber grommet (1) (use draw-in tool).

Install rubber grommet (1) and seal it so that it is watertight using usual workshop products.

▶ To ensure a good ground connection, remove any paint from ground support point **Z10*12B**.

On RHD cars, screw branch **A5** to the negative pole of the car's battery. ◀

Screw branch **A5** to ground support point **Z10*12B**.



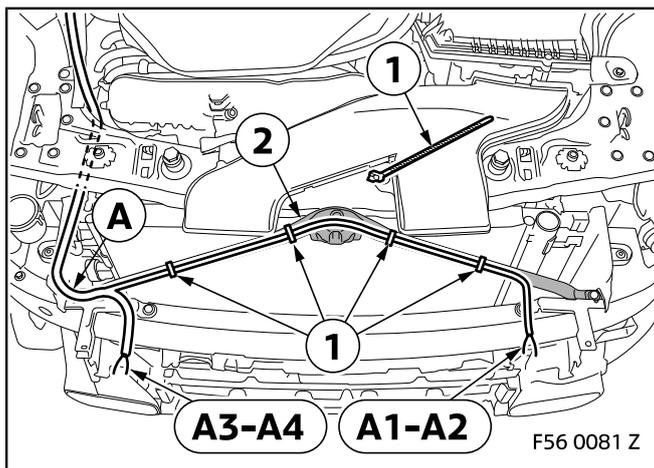
All cars

Place the power distributor (1) to the side.

Screw branch **A6** onto the screw-on terminal of the power distributor (1).

Secure fuse holder **A7** in the area of the power distributor (1) using conventional cable ties.

6. Installing and connecting the retrofit wiring harness



Route retrofit wiring harness A as follows:

LHD cars only

Route branches A1-A2 to the left additional headlight.

Route branches A3-A4 to the right additional headlight.

RHD cars only

Route branches A1-A2 to the right additional headlight.

Route branches A3-A4 to the left additional headlight.

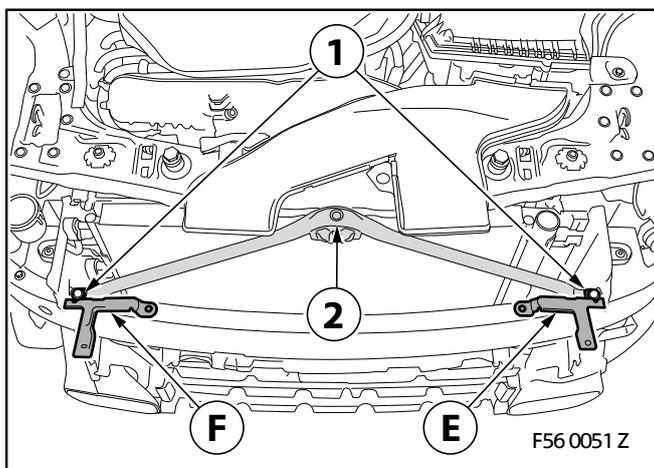
All cars

Secure retrofit wiring harness A using usual workshop cable ties (1) to the reinforcing strut (2).

F5x cars only

Unscrew the screws (1) on the reinforcing strut (2).

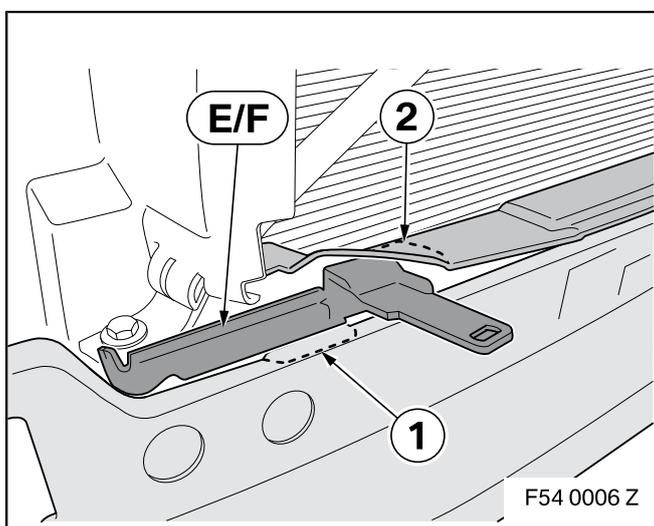
Place additional headlight bracket E and F on top and screw on using screw (1) (do not tighten fully).



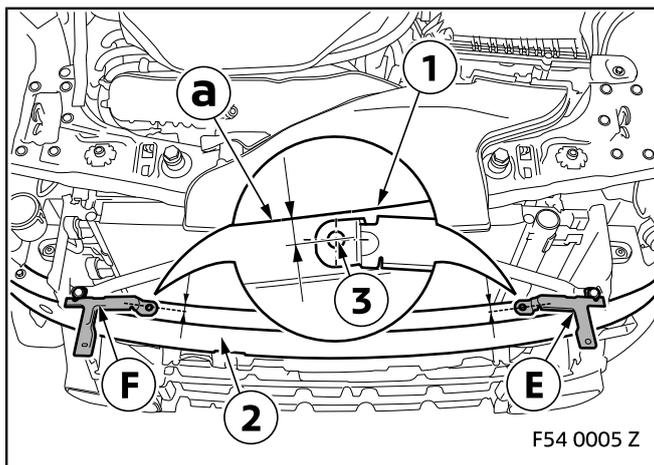
F54 cars only

 The installation process is shown only on the right-hand side of the car; proceed in the same way on the left-hand side of the car. ◀

Cut away impact absorber (1) and air duct (2) in the area of the additional headlight bracket F.



6. Installing and connecting the retrofit wiring harness



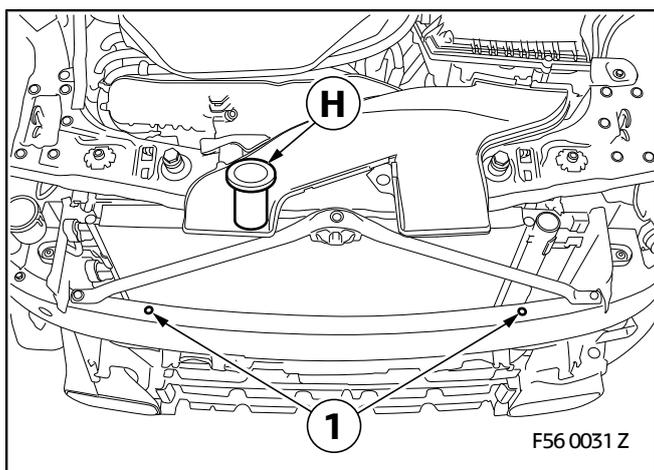
F5x cars only

▷ Dimension **a** is **11 mm** for F54 cars and **13 mm** for F55/F56/F57 cars. ◀

Mark distance **a** from the edge (1) on the bumper trim support (2).

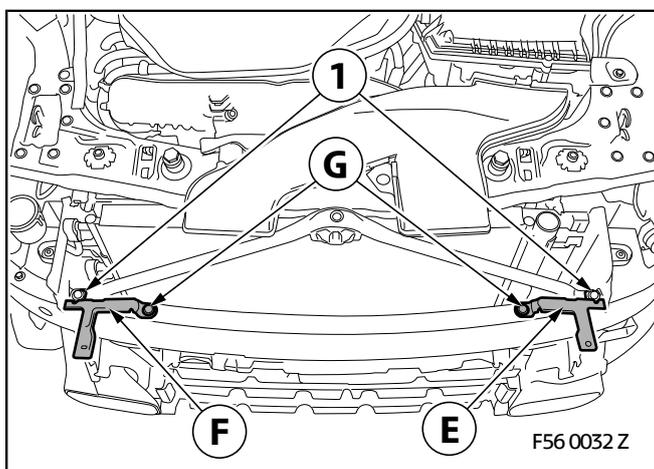
Push additional headlight bracket **E** and **F** over the cut-out line and draw on the drilling points (3).

Remove additional headlight holder **E** and **F**.

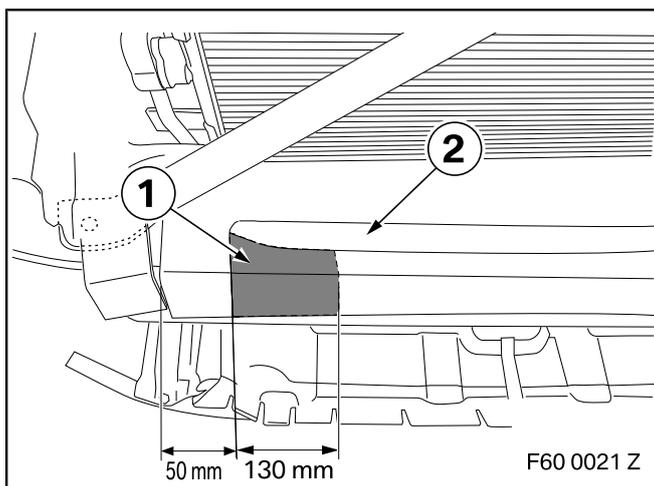


Drill the holes (1) with a 9.1 mm drill bit.

Insert rivet nuts **H** into the holes (1).



Screw on additional headlight holder **E** and **F** using pan head screws **G** and original screws (1).

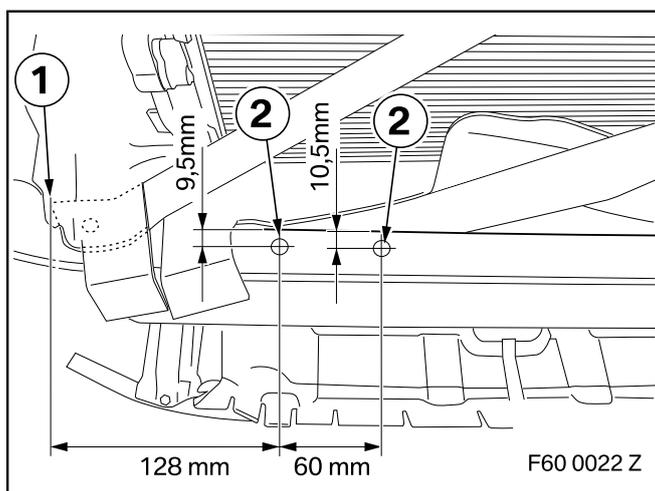


F60 cars only

▷ The installation process is shown only on the right-hand side of the car; proceed in the same way on the left-hand side of the car. ◀

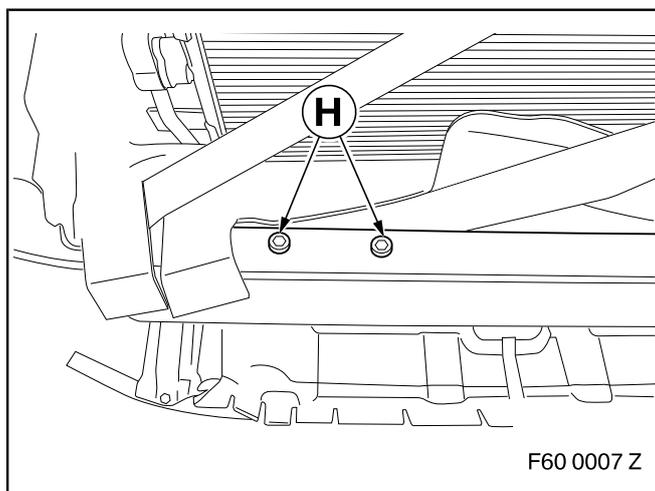
Cut out the air guide (1) using the dimension shown to the plastic (2).

6. Installing and connecting the retrofit wiring harness

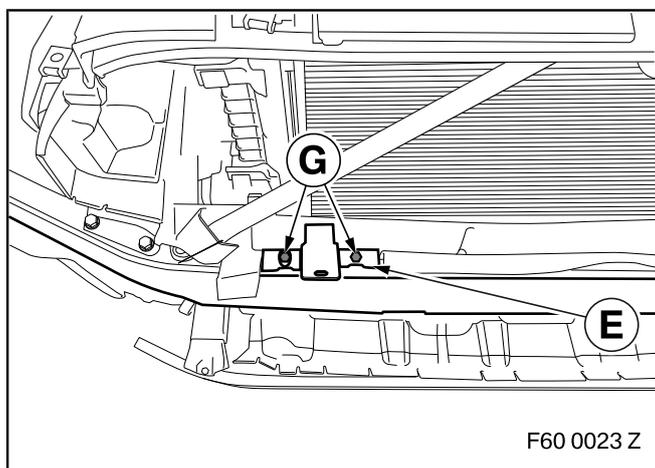


Mark and centre punch the drilling points (2) on the front bumper trim bracket using the dimension shown, starting from the outermost corner of the reinforcing strut (1).

Drill the holes (2) with a 9.1 mm drill bit.



Insert rivet nuts **H** into the holes.

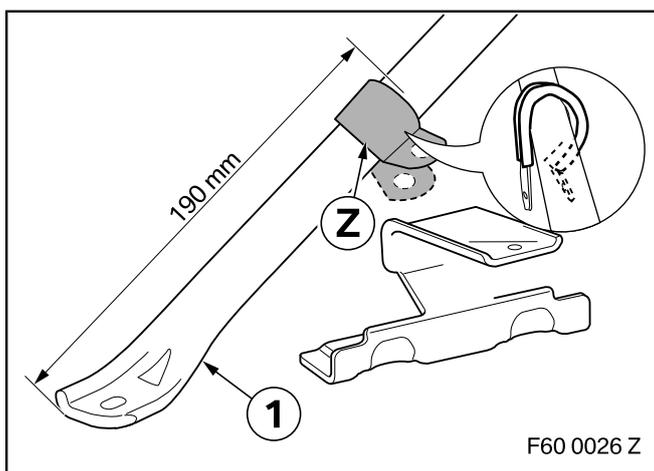


▶ The oval holes in brackets **E** and **F** must point outwards. ◀

Secure the additional headlight bracket **E** using screws **G**.

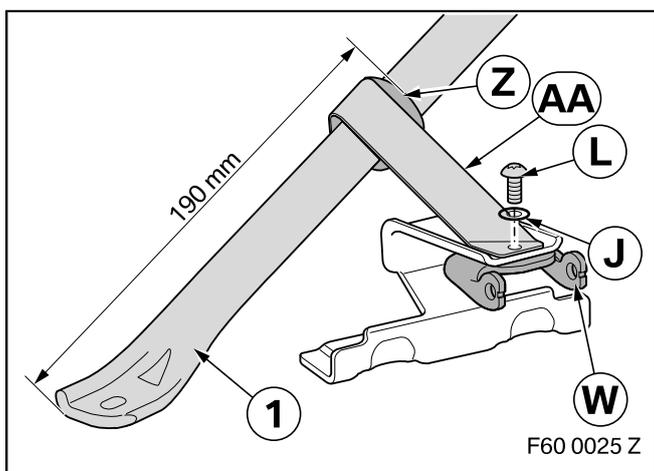
Install the front bumper trim.

6. Installing and connecting the retrofit wiring harness



☐ The straight side of the pipe clip **Z** must point towards the radiator. ◀

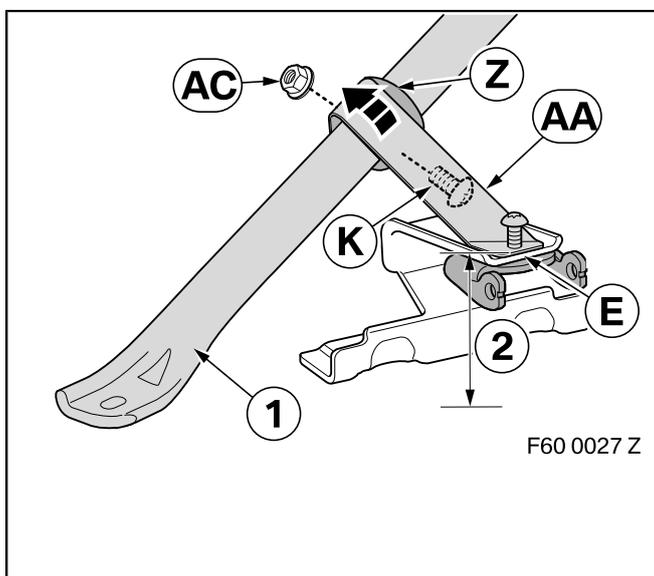
Position the pipe clip **Z** using the dimensions shown, starting from the outermost corner of the reinforcing strut (**1**).



Fit the bottom section of the bracket **W** on the bracket **E** from underneath.

Place the connecting strut **AA** on the bracket **E** and pipe clip **Z**.

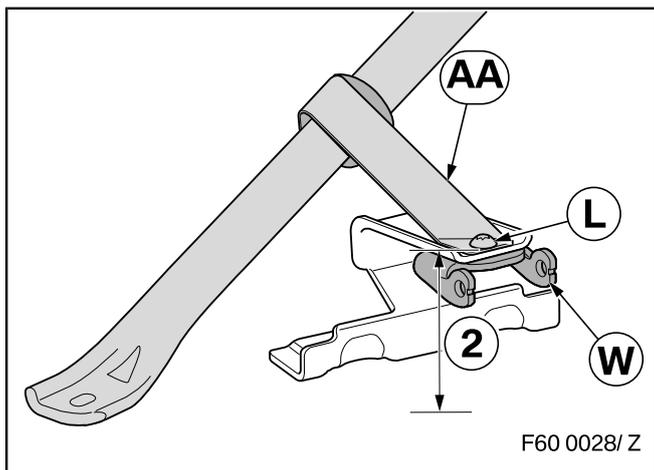
Screw the connecting strut **AA** with the spring washer **J** and screw **L** around 3 turns into the bottom section of the bracket **W**.



Turn the pipe clip **Z** (see direction indicated by arrow) so that the connecting strut **AA** is stressed and secure it to the reinforcing strut (**1**) with the screw **K** and nut **AC**.

Measure the dimension (**2**) between the bracket **E** and front bumper trim and make a note of it.

6. Installing and connecting the retrofit wiring harness

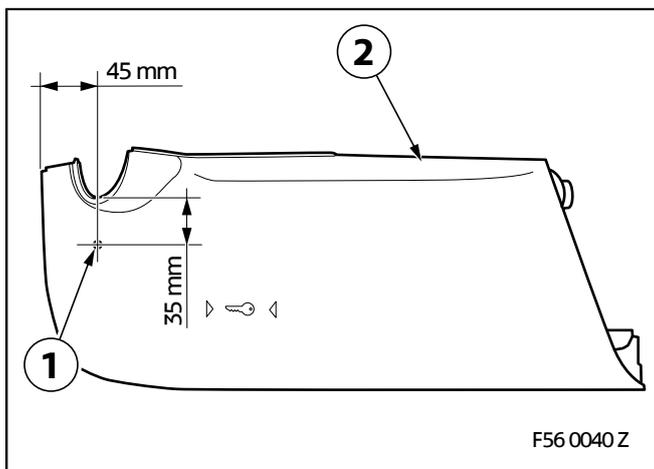


Secure the connecting strut **AA** to the bottom section of the bracket **W** using the screw **L**.

▶ The dimension (2) must have increased by 1 - 1.5 mm.

This elastic prestressing of the bracket is required to prevent the headlight shaking.

If it still shakes, repeat the process and turn the pipe clip **Z** a little further. ◀

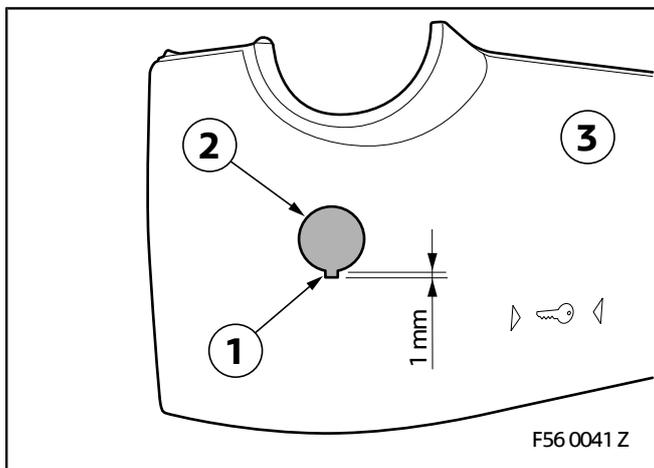


All cars

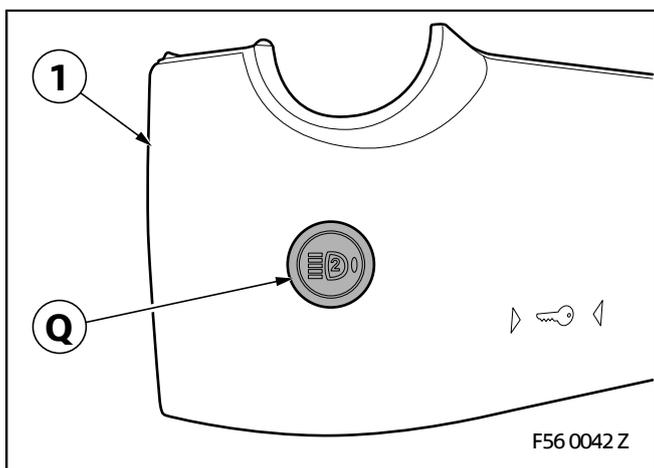
▶ Carry out the drilling (1) gradually. ◀

Draw on the drilling point (1) on the steering column trim lower section (2) as per the dimensions.

Drill through the drilling point (1) with a 14 mm diameter drill bit.

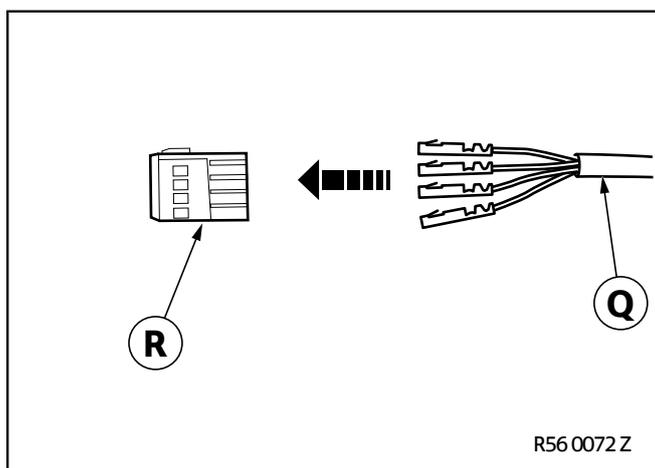


File out the cut-out (1) on the drill hole (2) as per the dimensions on the steering column trim lower section (2).



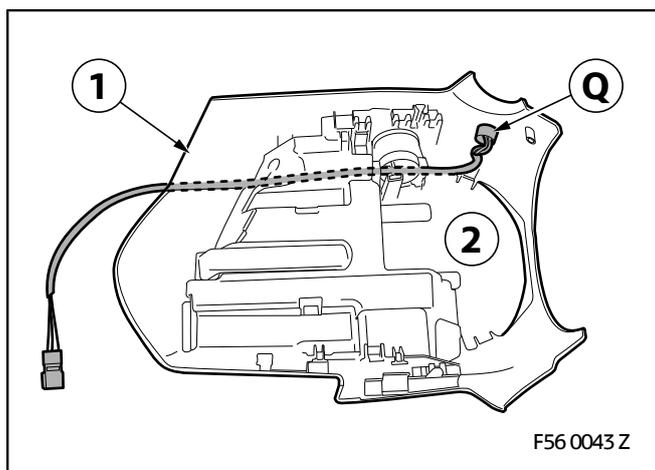
Clip button **Q** into the steering column trim lower section (1).

6. Installing and connecting the retrofit wiring harness

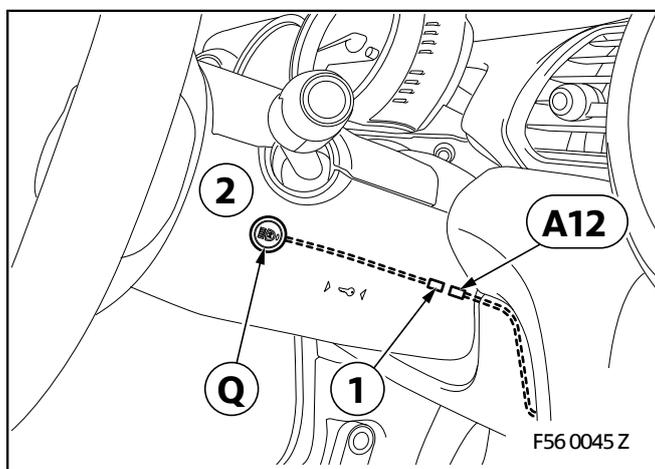


Connect the branches of button **Q** as follows to socket casing **R**:

- RT cable to PIN 1
- BR cable to PIN 2
- GN cable to PIN 3
- BL cable to PIN 4



Route the cable from button **Q** below the foam insert of the steering column trim lower section (1).

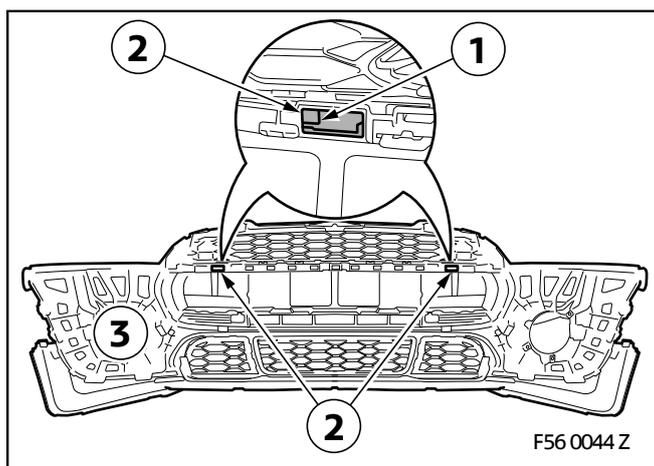


Route branch **A12** to the steering column.

Connect branch (1) of button **Q** to branch **A12** and install the steering column trim lower section (2).

7. Prepare the bumper trim and installing the additional headlight

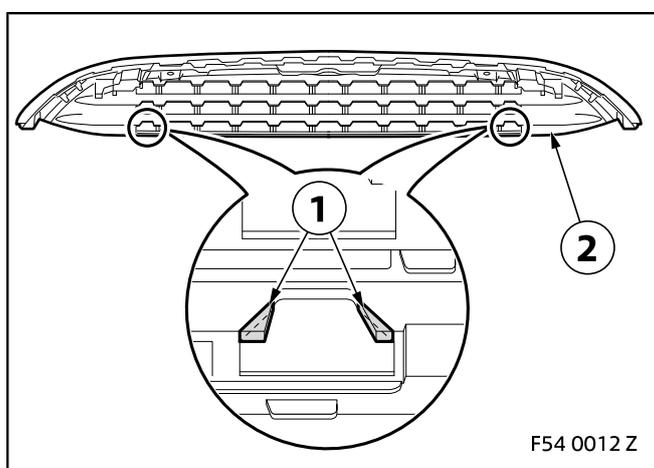
▶ The installation work is shown only on the left-hand side of the car, proceed in the same way on the right-hand side of the car. ◀



F55/F56/F57 cars only

▶ Danger of damage! Take extra care when working with the bumper trim (3). ◀

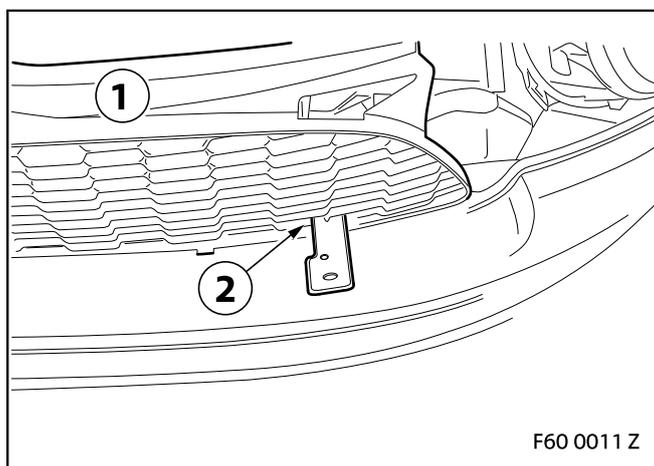
Trim any excess (1) on openings (2) in the bumper trim (3) using a suitable tool.



F54 cars only

▶ Danger of damage! Take extra care when working with the radiator grille (2). ◀

Trim any excess (1) on the radiator openings (2) using a suitable tool.



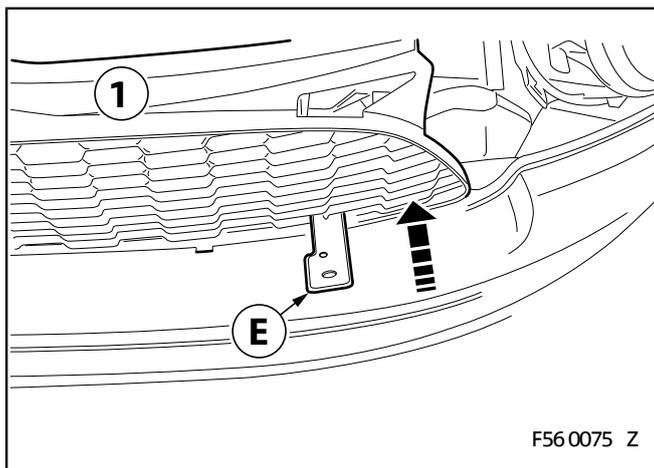
F60 cars only

▶ Danger of damage! Take extra care when working with the radiator grille (1).

The plastic struts on the ornamental grille (1) may have to be removed depending on the car's equipment package. ◀

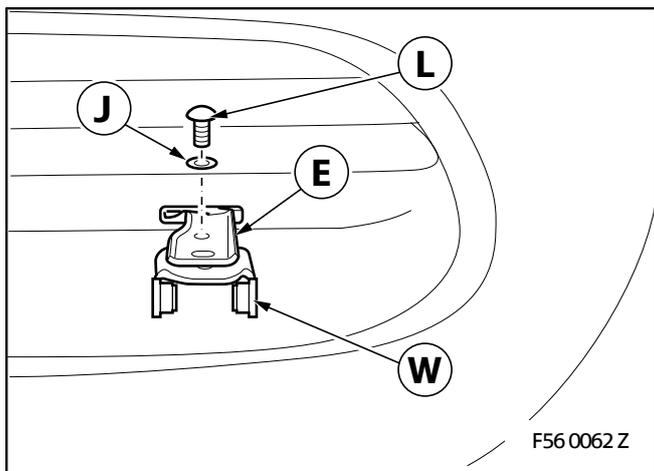
Cut out the plastic struts in the area (2) of the ornamental grille (1) using a suitable tool.

7. Prepare the bumper trim and installing the additional headlight



All cars

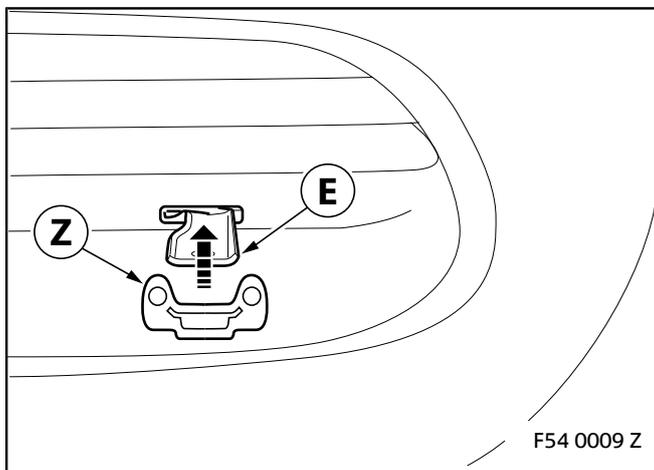
Push the bumper trim (1) over the additional headlight bracket E but do not secure into place yet.



F55/F56/F57 cars only

▣ The installation work is shown only on the left-hand side of the car, proceed in the same way on the right-hand side of the car. ◀

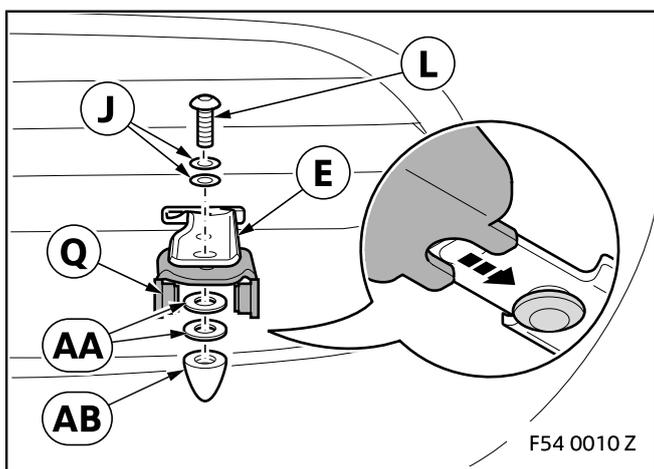
Screw bracket lower section W using spring washer J and screw L onto additional headlight bracket E.



F54 cars only

▣ The installation work is shown only on the left-hand side of the car, proceed in the same way on the right-hand side of the car. ◀

Push spacer Z onto additional headlight bracket E and clamp between the bracket and radiator grille.

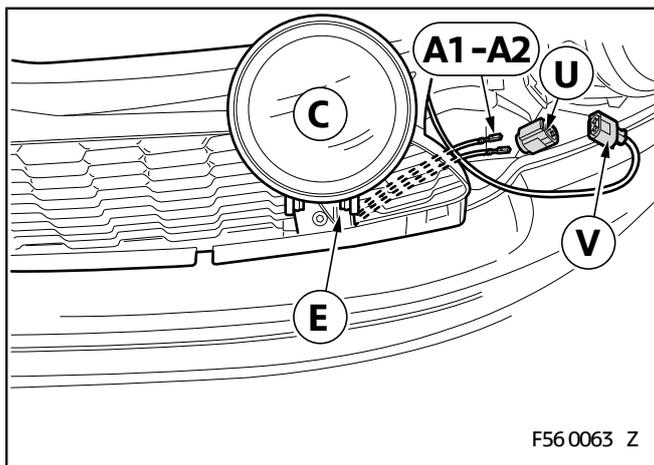


▣ If necessary, vary the number of shims AA so that stop pad AB sits firmly on the bumper trim. ◀

Screw bracket lower section Q using spring washers J and screw L onto additional headlight bracket E.

Screw stop pad AB with shims AA onto screw L.

7. Prepare the bumper trim and installing the additional headlight



All cars

▶ Ask a second person to assist you with this step. ◀

Hold additional headlight **C** against additional headlight bracket **E** but do not secure it yet.

Route branches **A1-A2** below additional headlight bracket **E** through the ornamental grille on the front bumper trim to socket housing **U**.

Connect branches **A1-A2** as follows to socket housing **U**:

- Branch **A1**, BL/RT cable, to PIN 1
- Branch **A2**, BR cable, to PIN 2

Connect cables from additional headlight **C** to pin housing **V** as follows:

- VI/SW cable to PIN 1
- BR cable to PIN 2

▶ Ask a second person to assist you with this step. ◀

Hold additional headlight **C** against additional headlight bracket **E** but do not secure it yet.

Route branches **A3-A4** below additional headlight bracket **E** through the ornamental grille on the front bumper trim to socket housing **U**.

Connect branches **A3-A4** as follows to socket housing **U**:

- Branch **A3**, BL/WS cable, to PIN 1
- Branch **A4**, BR cable, to PIN 2

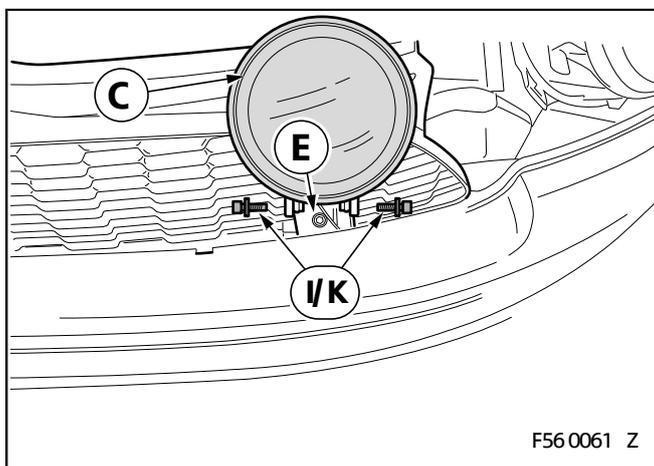
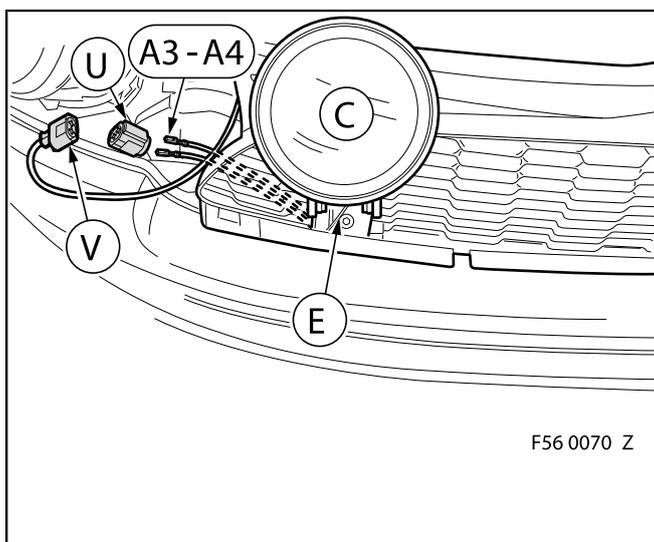
Connect cables from additional headlight **C** to pin housing **V** as follows:

- VI/SW cable to PIN 1
- BR cable to PIN 2

▶ The tightening torque for screws **K** is 12 Nm. ◀

Secure the bumper trim.

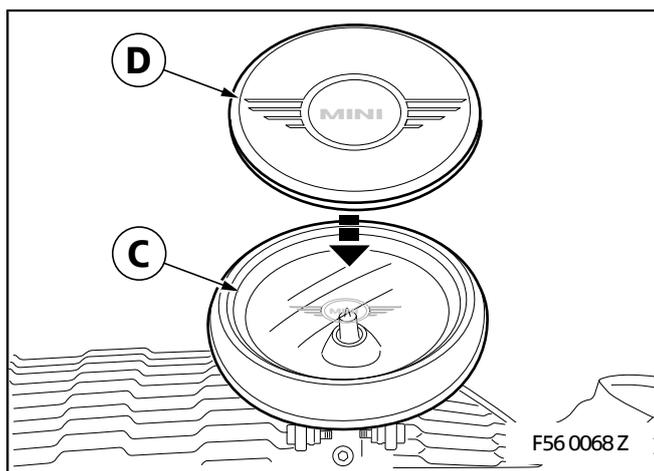
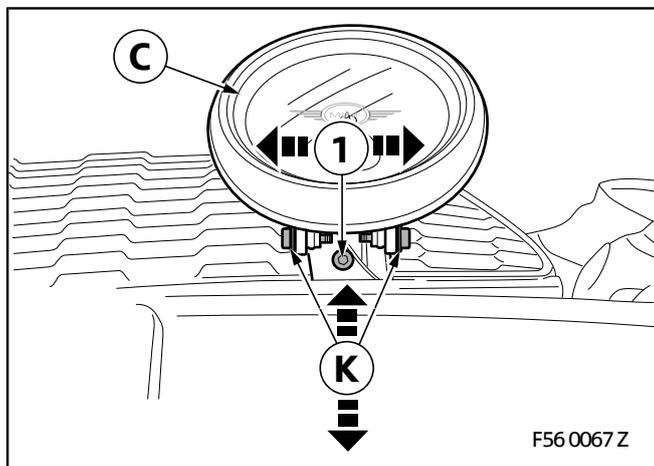
Place additional headlight **C** on additional headlight bracket **E** and screw on using spring washers **I** and screws **K**.



8. Concluding work and coding

The retrofit system does not require programming / coding.

- Connect the battery
- Conduct a function test
- Re-assemble the car in a logical manner
- Give the customer the customer information



 The tightening torque for screws (1) and K is 12 Nm. ◀

Adjust additional headlight C as follows with the headlight adjustment tool:

Vertical setting

Loosen the screw (1) and adjust the vertical setting.

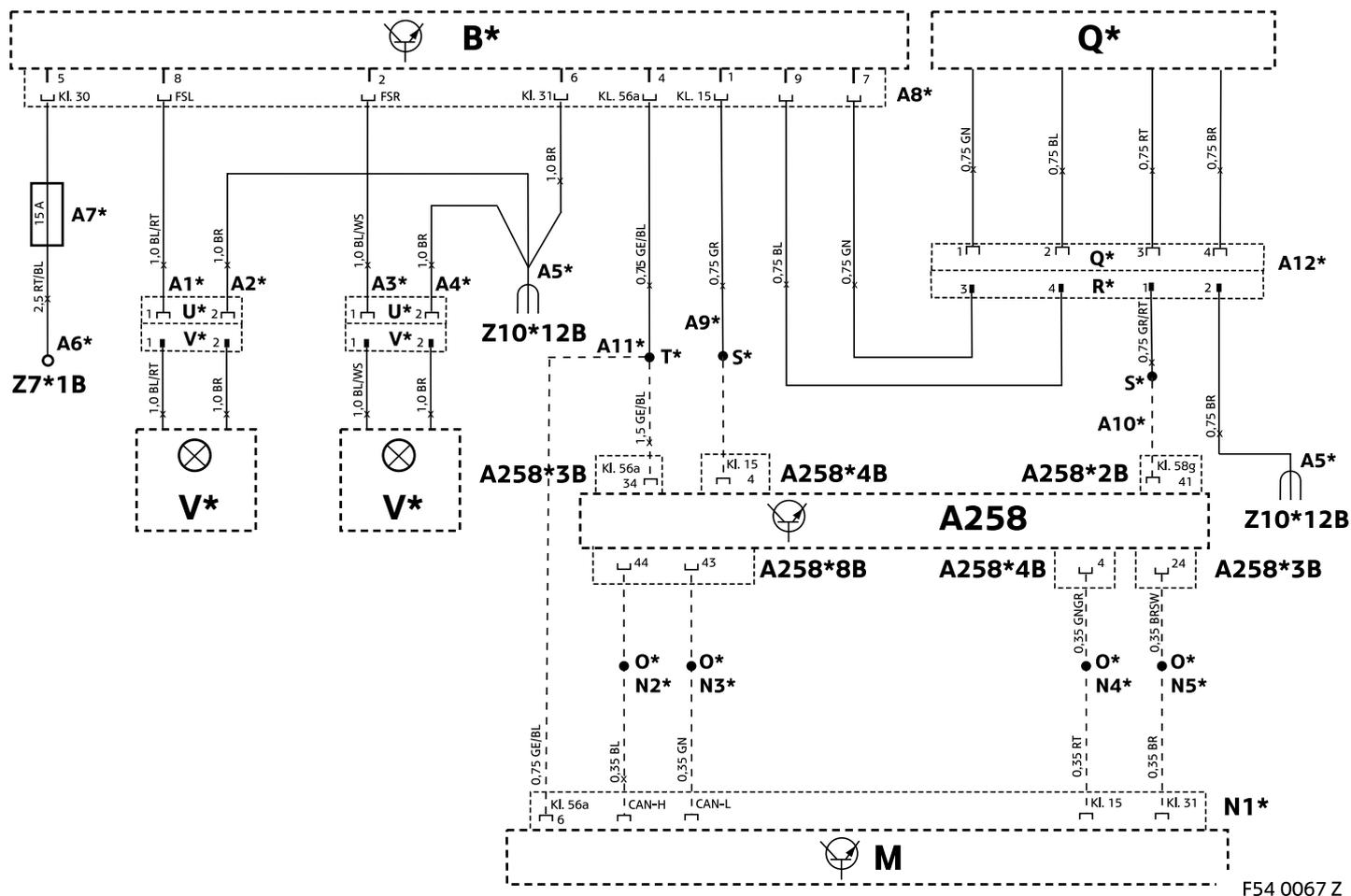
Horizontal setting

Undo both screws K and adjust the horizontal setting.

 Risk of damage from overheating. Never use additional headlight C when cover caps D are fitted. ◀

Place cover caps D on additional headlights C.

9. Wiring diagram



Legend

- A1*** Socket contact, BL/RT cable
- A2*** Socket contact, BR cable
- A3*** Socket contact, BL/WS cable
- A4*** Socket contact, BR cable
- A5*** M6 ring eyelet, BR cable
- A6*** M8 ring eyelet, RT/BL cable
- A7*** Fuse holder
- A8*** SW 9-pin relay base
- A9*** Open cable, GR cable
- A10*** Open cable, GR/RT cable
- A11*** Socket contact, GE/BL cable
- A12*** WS, 4-pin socket housing

- N1*** SW 12-pin socket housing
- N2*** Open cable, BL cable
- N3*** Open cable, GN cable
- N4*** Open cable, RT cable
- N5*** Open cable, BR cable

- B*** Control module
- C*** Additional headlight
- M*** Interface (only cars with SA 5A2 or SA 5A4)
- O*** 2-way miniature connector (only cars with SA 5A2 or SA 5A4)
- Q*** Button
- R*** WS 4-pin socket housing

9. Wiring diagram

S*	2-way miniature connector
T*	5-way miniature connector
U*	SW 2-pin socket housing
V*	SW 2-pin plug housing

A258	Body Domain Controller BDC
A258*2B	WS 54-pin socket housing
A258*3B	SW 54-pin socket housing
A258*4B	WS 54-pin socket housing
A258*8B	SW 54-pin socket housing
Z7*1B	Power distribution box in the interior compartment
Z10*12B	Ground support point in the engine compartment

All of the designations marked with * apply only to these installation instructions or this wiring diagram.

Cable colours

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

10. Customer information

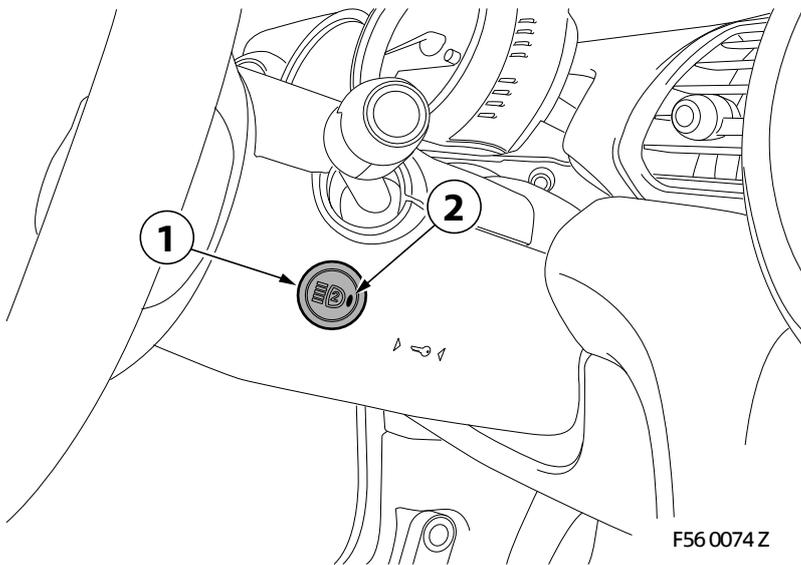
Explanation of pictograms

-  Denotes instructions that draw your attention to dangers.
-  Denotes instructions that draw your attention to special features.
- ◀ Denotes the end of the instruction or other text.

 **Risk of damage from overheating! Never use the additional headlights when the headlight covers are fitted.** ◀

 The additional headlights should exclusively be used off-road. Use on public roads, motorways or country roads might be illegal in your country. Depending on the legal situation, it may be a requirement for you to cover your additional headlights when driving on public roads, motorways or country roads. Before using your additional headlights, check with the responsible public authority what are the regulations governing correct use. ◀

Operating the additional headlights



 Once activated, the additional headlights light up automatically when the headlights or headlight flash are switched on. Whenever you turn the ignition off/on, you must re-activate the additional headlights. ◀

Switching the additional headlights on automatically

- Switch on the ignition or start the engine
- Press the button (1) to activate
- The additional headlights are activated when the green control light (2) lights up in the button (1)
- Switch the headlights on or actuate the headlight flash

The additional headlights will light up when the high beam headlights or headlight flasher are activated.

Switching the additional headlights on manually

- Switch on the ignition or start the engine
- Switch the headlights on or actuate the headlight flash
- Press the button (1) to switch on the additional headlights

The additional headlights will light up when the high beam headlights or headlight flasher are activated.

Switching off the headlights

Switch off the headlights or press the button (1) again.

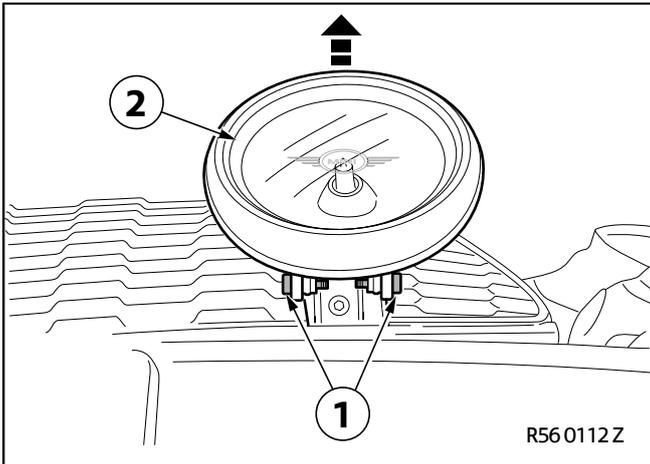
10. Customer information

Changing bulb (only for additional headlights with halogen bulbs)

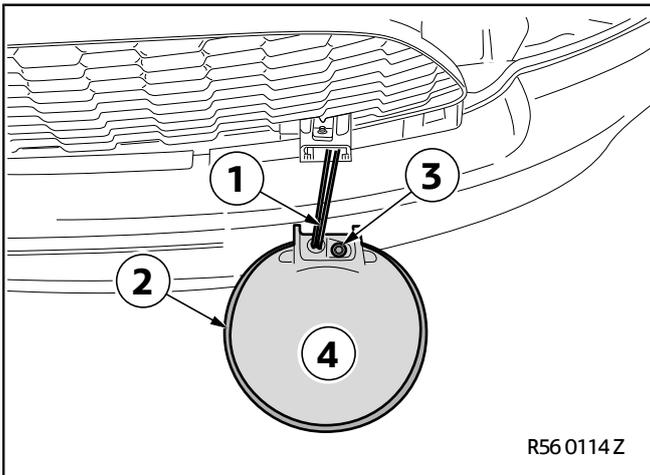
Lamps and lights are an important part of the car's safety features. Appropriate care should therefore be used when handling them. If you are not familiar with such work, have it performed by your MINI service centre.

▶ Bulb required: **H3 (55 W)**. Do not touch the glass rounded section of the bulb with your bare hands, since even slight contamination can burn onto the surface and reduce the bulb's service life. Use a clean cloth, a paper towel or similar to take hold of the bulb at its base. ◀

⚠ When carrying out any work on the car's electrical system, switch off the device you are working on or disconnect the battery's negative terminal, otherwise you may cause a short-circuit. Always read any instructions provided by the bulb's manufacturer in order to avoid injury and/or damage when changing the bulb. ◀

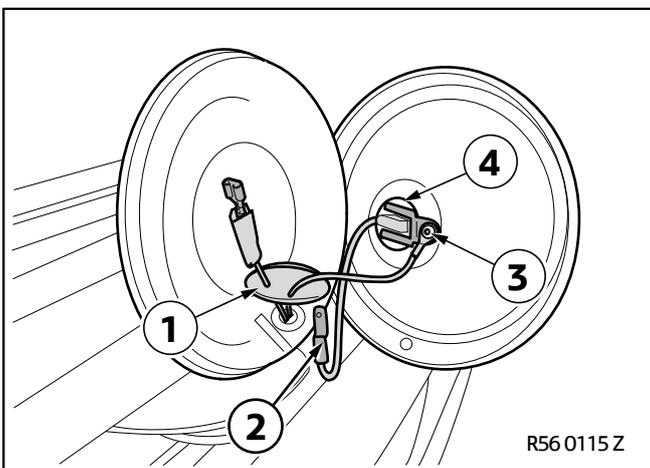


Unscrew both screws (1) and pull the additional headlight (2) carefully forwards.



▶ In order to avoid damaging the cable (1), hold the additional headlight (2) with one hand. ◀

Unscrew the Allen screw (3) and remove the housing (4).



▶ The tightening torque for the screws is 12 Nm.
The position of the additional headlight must be adjusted after the bulb has been changed. ◀

Remove the rubber cap (1) and disconnect the plug (2).

Loosen the screw (3), remove it and change the bulb (4).

The headlight is reassembled in the reverse order.

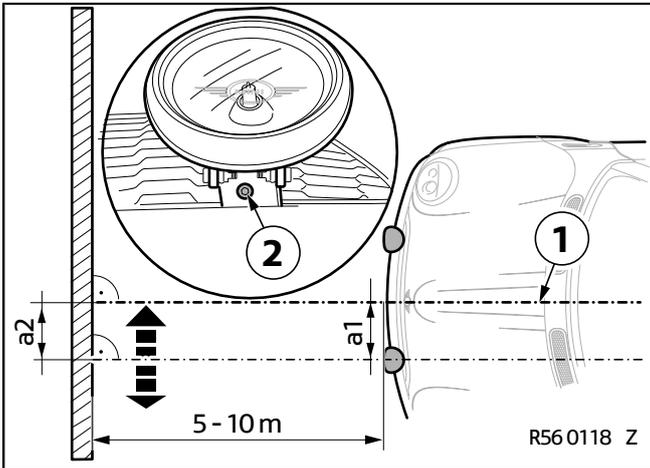
10. Customer information

Adjusting the additional headlights

Have the additional headlights adjusted by your MINI dealer.

If you are unable to visit your MINI dealer, you can temporarily adjust the additional headlights yourself even without the headlight adjusting tool. The steps for how to do this are described using the example of the left-hand additional headlight. The right-hand additional headlight is adjusted in exactly the same way.

To adjust the headlights, park your unladen car on even ground and around 5 - 10 m perpendicularly to a vertical wall.



Testing the vertical setting

The tightening torque for the screw (2) is 12 Nm.

- Measure the distance **a1** from the centre of the additional headlight to the centre of the vehicle's longitudinal axis (1).
- Measure the distance **a2** from the centre of the cone of light on the wall to the extension of the vehicle's longitudinal axis (1).

If distances **a1** and **a2** are not identical, adjust the vertical position as follows:

Adjusting the vertical position

- Loosen the screw (2) and rotate the additional headlight so that distances **a1** and **a2** are the same
- Tighten the screw (2) to 12 Nm

Testing the horizontal setting

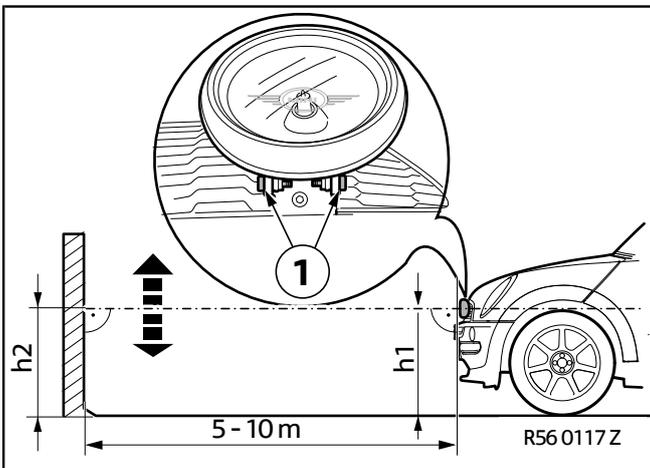
The tightening torque for the screw (1) is 12 Nm.

- Measure the height **h1** from the centre of the additional headlight to the floor
- Measure the height **h2** from the centre of the cone of light on the wall to the floor

If heights **h1** and **h2** are not identical, adjust the horizontal position as follows:

Adjusting the horizontal position

- Loosen both screws (1) and rotate the additional headlights so that heights **h1** and **h2** are the same
- Tighten the screws (1) to 12 Nm



Cleaning and care

Use a soft damp cloth to clean the additional headlights. Do not use abrasive or corrosive cleaning agents.