

ORIGINAL MINI ACCESSORIES. INSTALLATION INSTRUCTIONS.



MINI Head-Up Screen Retrofit.

MINI CLUBMAN (R55)

MINI (R56)

MINI CONVERTIBLE (R57, F57)

MINI COUNTRYMAN (R60)

MINI PACEMAN (R61)

MINI CLUBMAN (F54)

MINI 5-door (F55)

MINI 3-door (F56)

Retrofit kit number

62 30 2 361 628 MINI head-up screen (for LHD cars)

62 30 2 408 764 MINI head-up screen (for RHD cars)

Installation time

The installation time for F54, F55, F56 and F57 cars is **approx. 1 hour**. On R55, R56, R57, R60 and R61 cars, the installation time is **approx. 0.75 hours**.

The installation time may vary depending on condition of the car 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:

- 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 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 are installed 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.

To level the head-up screen, the vehicle must be standing on a flat surface.

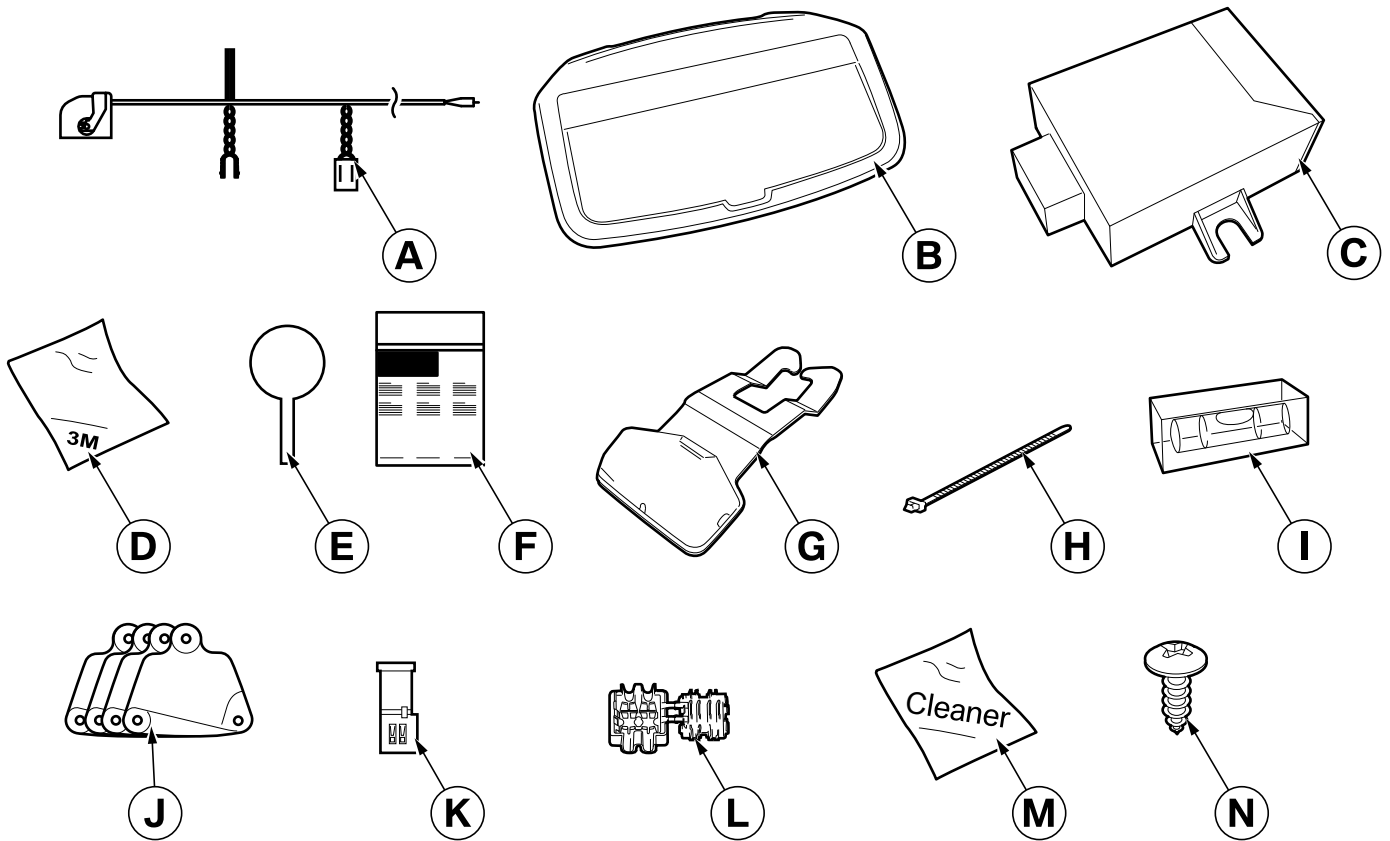
Special tools required

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

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1. Parts list for retrofit kit



F56 0196 Z

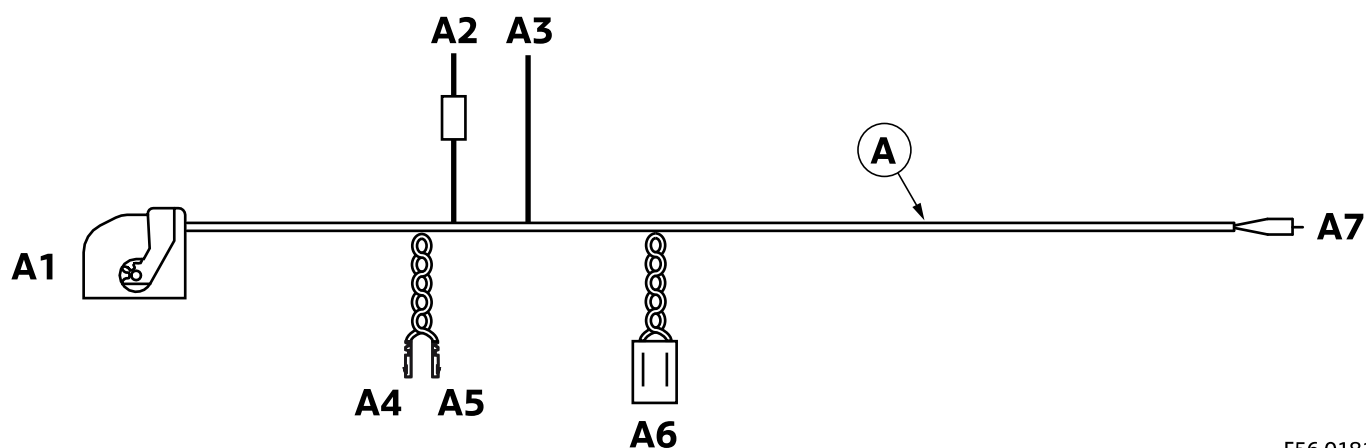
Legend

- A** Retrofit wiring harness
- B** Head-up screen
- C** CAN interface
- D** Cleaning cloth (to be given to the customer)
- E** Round adhesive pad (3x)
- F** Operating instructions (to be given to the customer)
- G** Tie rod
- H** Cable ties (5x)
- I** Spirit level
- J** Supplementary kit
- K** SW 2-pin socket housing
- L** 2-way miniature connector (2x)
- M** Cleaning pad
- N** Screw (3x)

2. Preparatory work

	ISTA No.
Disconnect the negative terminal of the battery	61 20 900
The following components must be removed first of all	
F54, F55, F56 and F57 cars only	
Front right (interior) door sill cover strip	51 47 000
Bottom right A-pillar trim	51 43 075
Left dashboard cover	51 45 ...
Bottom left and right dashboard trim	51 43 195
R55, R56, R57, R60 and R61 cars only	
Front roof pillar (A-pillar) trim on the left	51 43 201
Steering column engine speed display	62 10 100
Steering column trim upper section	32 31 004
Steering column trim lower section	32 31 020
Bottom left dashboard trim	51 45 180

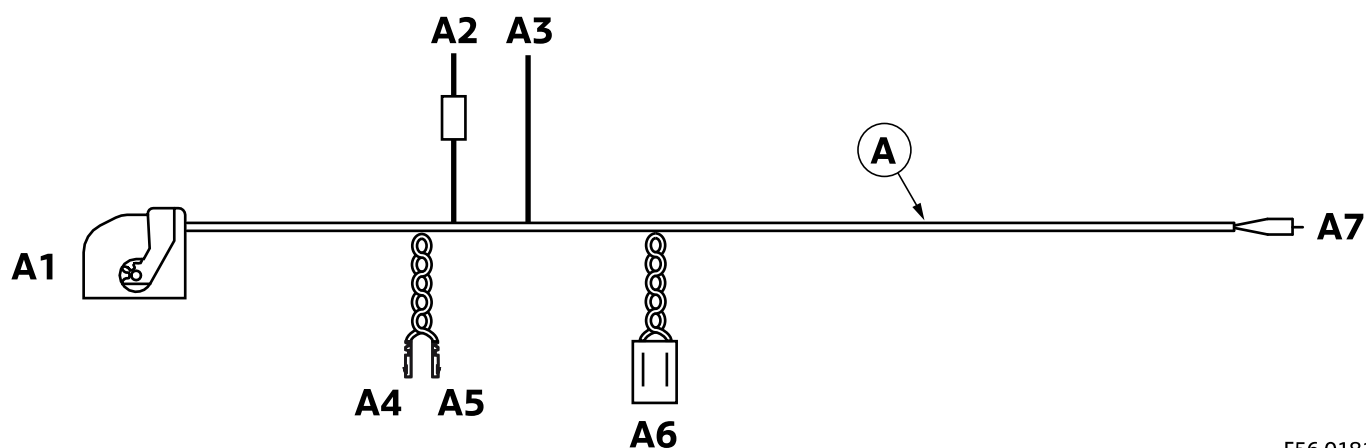
3. Retrofit wiring harness connection diagram (R55, R56, R57, R60 and R61 cars only)



F56 0181 Z

Item	Designation	Signal	Cable colour/ Cross-section	Connection location in the car	Abbreviation/ Slot
A	Retrofit wiring harness	---	---	---	---
A1	12-pin SW socket housing	---	---	To CAN interface C	---
A2	Cable open (fine wire fuse 6 x 30 mm, 2 A)	Terminal 30G	RT 0.5 mm ²	With miniature connector L to steering column switch cluster A72	X1880 PIN 1
A3	Cable open	Terminal 31	SW 0.5 mm ²	With miniature connector L to steering column switch cluster A72	X1880 PIN 2
A4	Socket contact	PT_CAN_H	BL/RT 0.35 mm ²	To steering column switch cluster A72	X1880 PIN 3
A5	Socket contact	PT_CAN_L	RT 0.35 mm ²	To steering column switch cluster A72	X1880 PIN 4
A6	SW 2-pin plug housing	---	---	With socket housing K to the disconnected cables from plug X1880	---
A7	Barrel connector	---	---	To head-up screen B	---

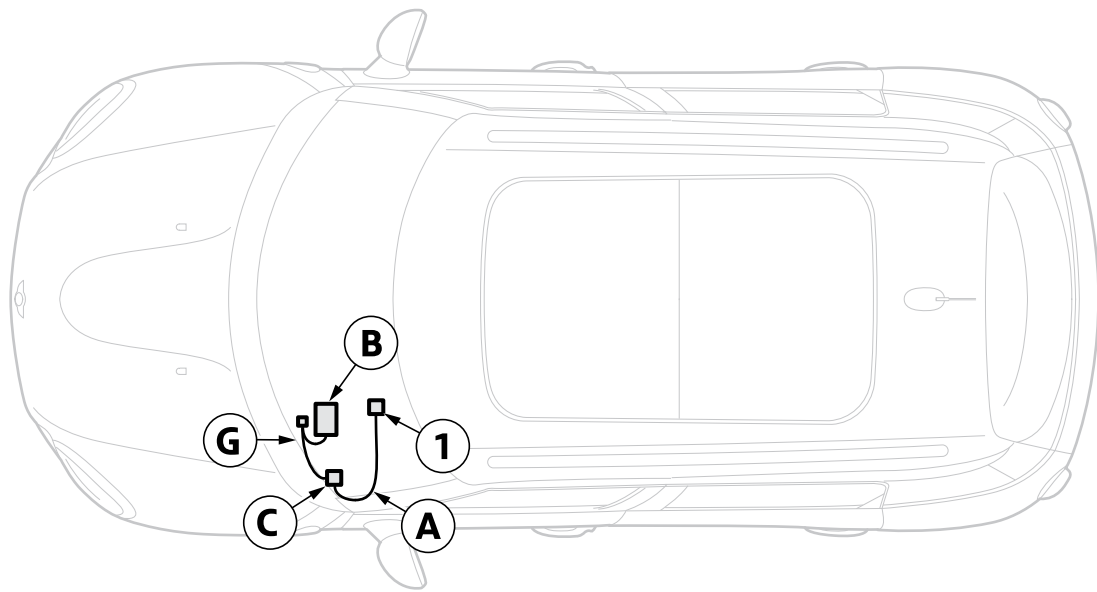
4. Retrofit wiring harness connection diagram (F54, F55, F56 and F57 cars only)



F56 0181 Z

Item	Designation	Signal	Cable colour/ Cross-section	Connection location in the car	Abbreviation/ Slot
A	Retrofit wiring harness	---	---	---	---
A1	12-pin SW socket housing	---	---	To CAN interface C	---
A2	Cable open (fine wire fuse 6 x 30 mm, 2 A)	Terminal 30B	RT 0.5 mm ²	With miniature connector L to BDC A258	A258*3B PIN 19
A3	Cable open	Terminal 31	SW 0.5 mm ²	With miniature connector L to the ground support point in the passenger footwell	Z10*5B
A4	Socket contact	PT_CAN_H	BL/RT 0.35 mm ²	To the plug from BDC A258	A258*8B PIN 20
A5	Socket contact	PT_CAN_L	RT 0.35 mm ²	To the plug from BDC A258	A258*8B PIN 19
A6	SW 2-pin plug housing	---	---	With socket housing K to the disconnected cables from plug A258*8B	---
A7	Barrel connector	---	---	To head-up screen B	---

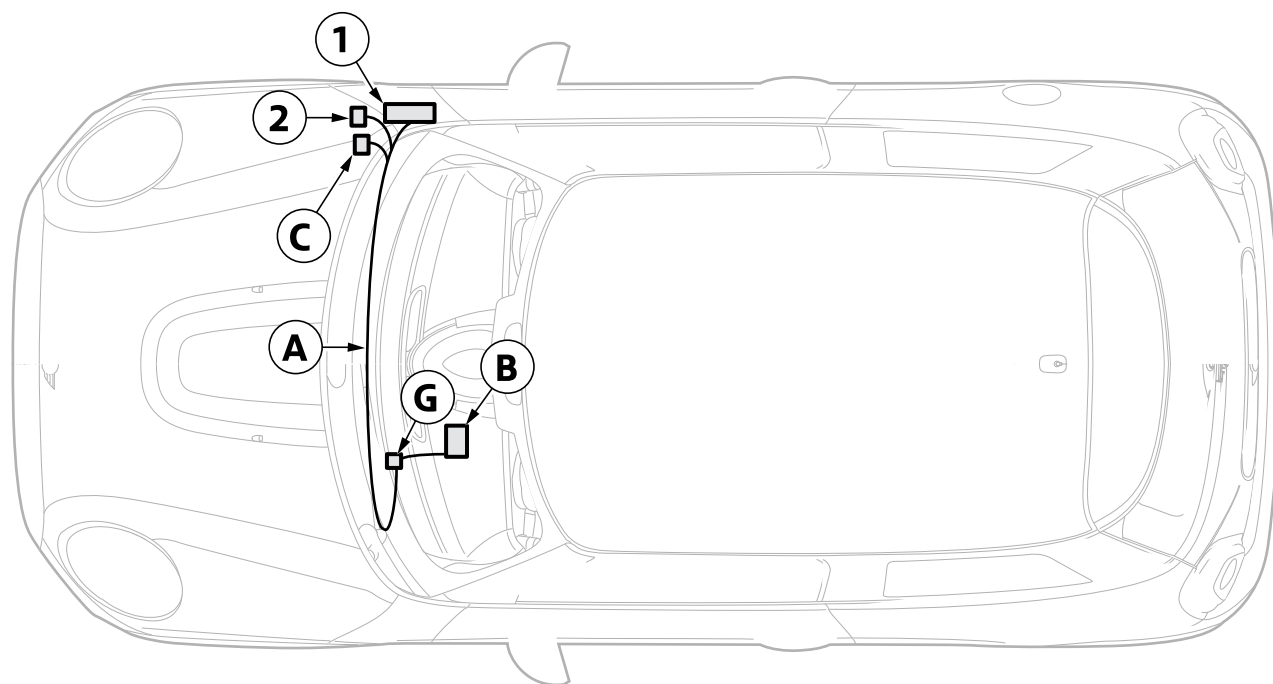
5. Installation and cabling diagram (R55, R56, R57, R60 and R61 cars only)



R60 0143 Z

- A** Retrofit wiring harness
- B** Head-up screen
- C** CAN interface
- G** Tie rod
- 1** Steering column switch cluster **A72** plug **X1880**, SW 18-pin socket housing

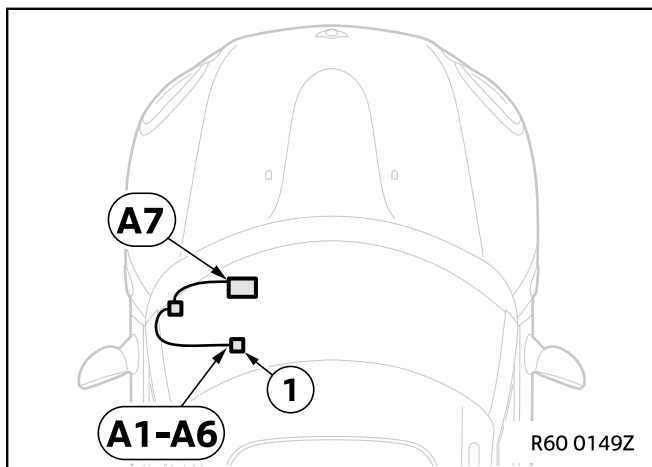
6. Installation and cabling diagram (F54, F55, F56 and F57 cars only)



F56 0180 Z

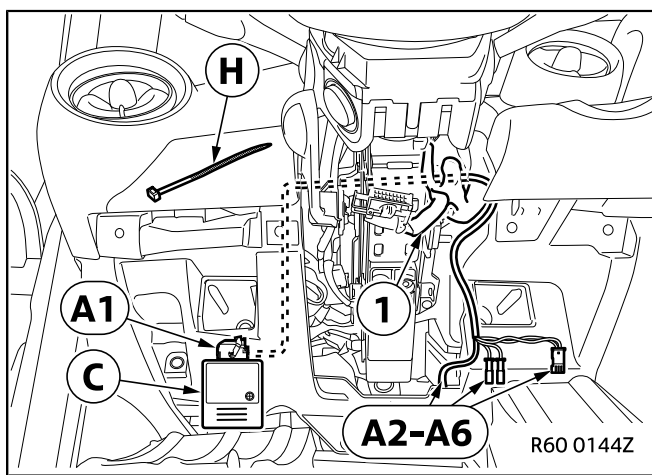
- A** Retrofit wiring harness
 - B** Head-up screen
 - C** CAN interface
 - G** Tie rod
-
- 1** BDC **A258**, plugs **A258*8B** and **A258*3B**
 - 2** Ground post **Z10*6B**

7. Installing and connecting the retrofit wiring harness (R55, R56, R57, R60 and R61 cars only)



Route branches **A1-A6** to the installation point of the steering column switch cluster (1).

Route branch **A7** to the left dashboard.



! Ensure that no cables abrade against moving parts of the steering column, steering column adjustment or pedals.

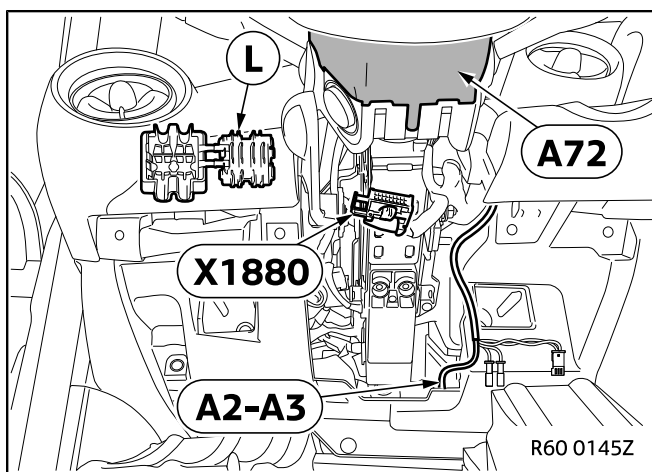
The steering column adjustment must not be impaired by the retrofit wiring harness.

Position branches **A2-A6** in the area of the steering column.

Route the retrofit wiring harness along the standard wiring harness (1) to the area of the A-pillar on the driver's side.

Connect branch **A1**, SW 12-pin socket housing, to CAN interface **C**.

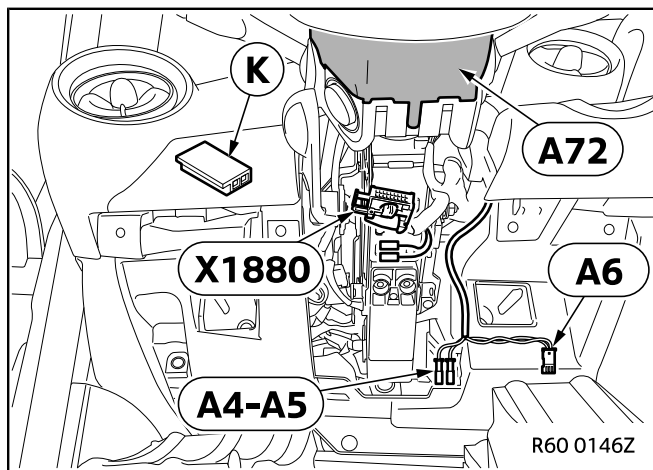
Secure CAN interface **C** using cable tie **H** to a suitable installation point in the area of the inside of the dashboard.



Connect branches **A2-A3** as follows using miniature connector **L** to plug **X1880**, SW 18-pin socket housing, on steering column switch cluster **A72**:

- Branch **A2**, RT cable, to the cable from PIN 1, RT/GE cable
- Branch **A3**, SW cable, to the cable from PIN 2, BR/SW cable

7. Installing and connecting the retrofit wiring harness (R55, R56, R57, R60 and R61 cars only)

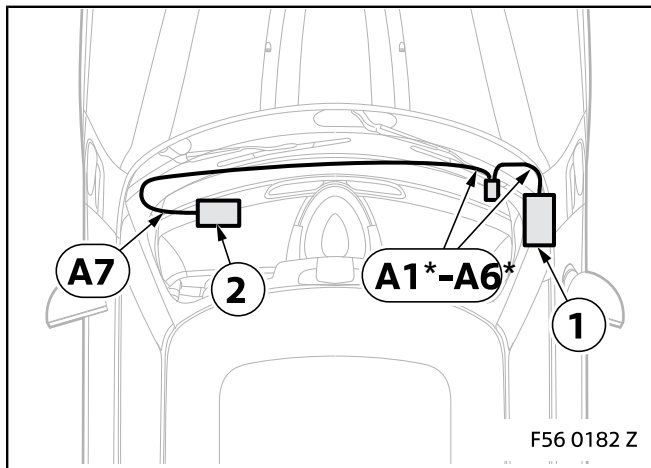


Connect branches **A4-A6** as follows to plug **X1880**, SW 18-pin socket housing, on steering column switch cluster **A72**:

- Disconnect the GE/SW cable from PIN 3 of plug **X1880** and connect to PIN 1 of socket housing **K**
- Disconnect the GE/BR cable from PIN 4 of plug **X1880** and connect to PIN 2 of socket housing **K**
- Connect branch **A4**, BL/RT cable, to PIN 3 of plug **X1880**
- Connect branch **A5**, RT cable, to PIN 4 of plug **X1880**

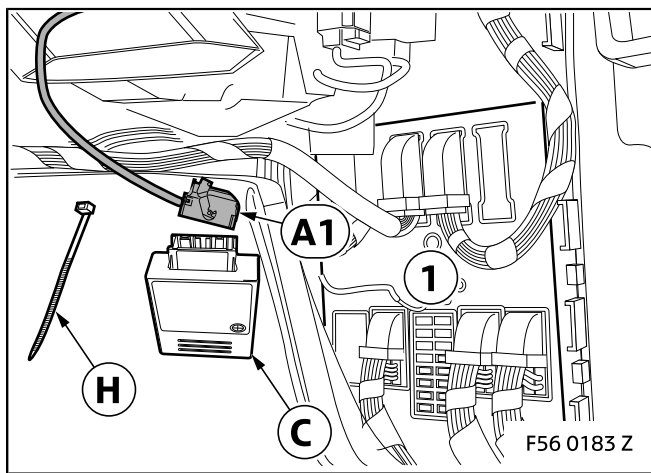
Connect branch **A6**, SW 2-pin plug housing, to socket housing **K**.

8. Routing and connecting the retrofit wiring harness (F54, F55, F56 and F57 cars only)



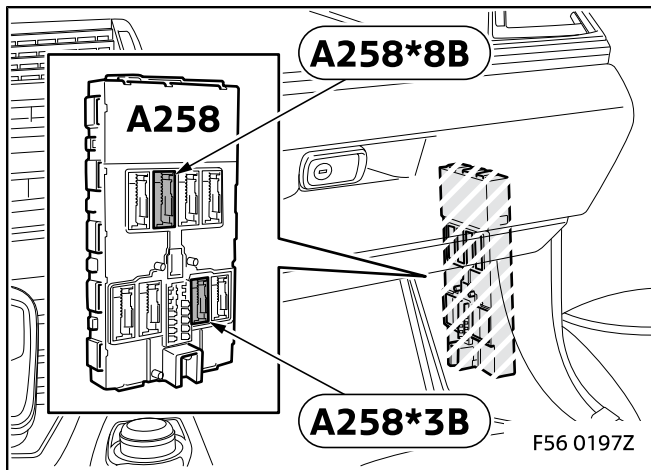
Route branches **A1–A6** to the installation point of the BDC (1) on the lower right A-pillar.

Route branch **A7** to the instrument cluster (2).



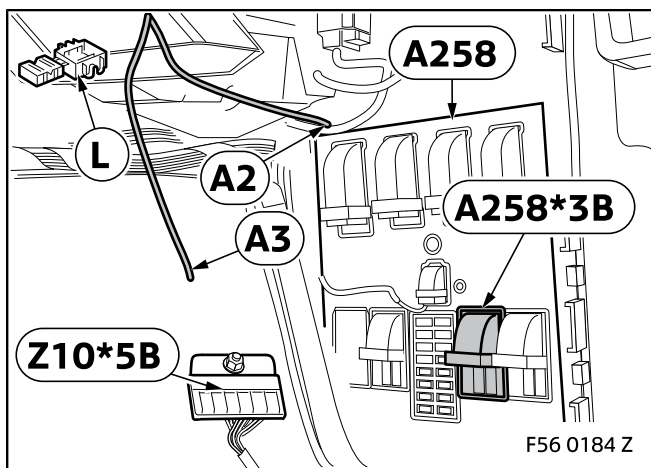
Connect branch **A1**, SW 12-pin socket housing, to CAN interface **C**.

Secure CAN interface **C** using cable tie **H** to a suitable installation point in the area of the BDC (1).



Connection locations on BDC **A258**:

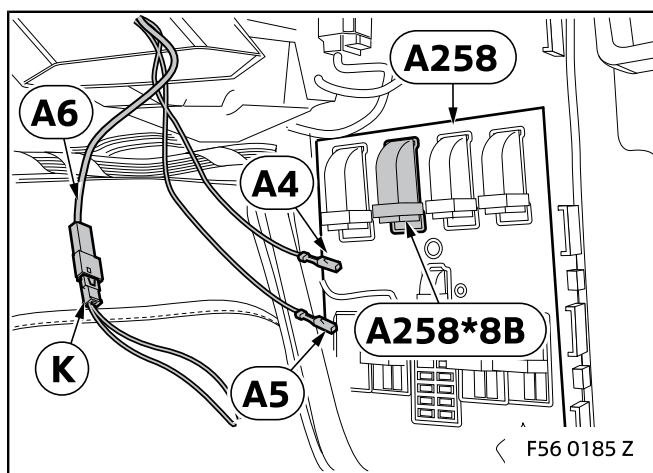
- **A258*3B**, SW 54-pin socket housing
- **A258*8B**, SW 54-pin socket housing



Connect branch **A2**, RT cable, using miniature connector **L** to the cable from PIN 19, RT/WS cable, of plug **A258*3B**, on BDC **A258**.

Connect branch **A3**, SW cable, using miniature connector **L** to the BR cable of ground support point **Z10*5B** under the passenger footwell carpet.

8. Routing and connecting the retrofit wiring harness (F54, F55, F56 and F57 cars only)

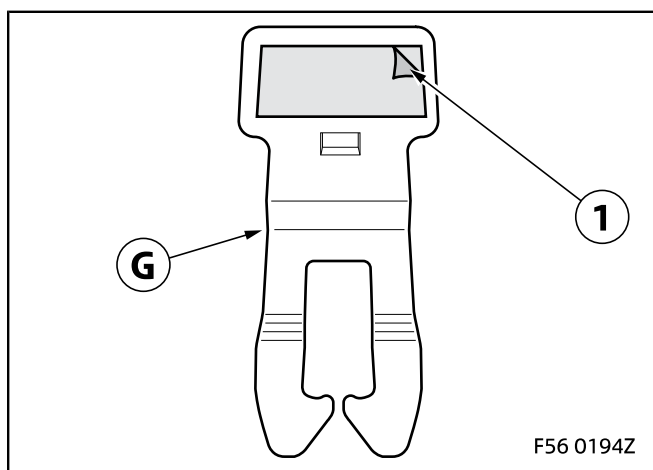


Connect branches **A4-A6** as follows to BDC **A258**:

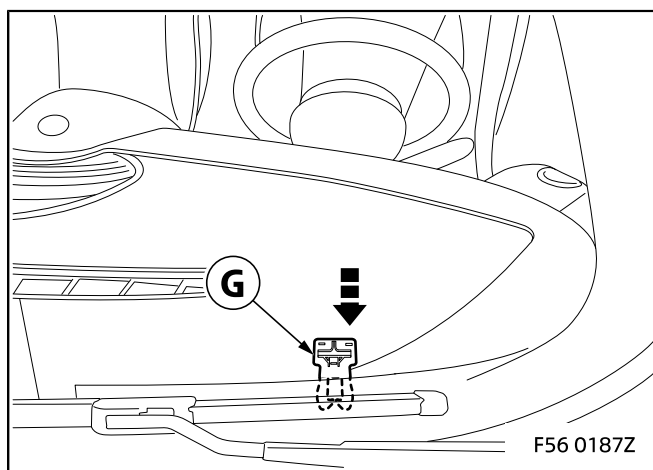
- Disconnect the BL cable from PIN 20 of plug **A258*8B** and connect to PIN 1 of socket housing **K**
- Disconnect the RT cable from PIN 19 of plug **A258*8B** and connect to PIN 2 of socket housing **K**
- Connect branch **A4**, BL/RT cable, to PIN 20 of plug **A258*8B**
- Connect branch **A5**, RT cable, to PIN 19 of plug **A258*8B**

Connect branch **A6**, SW 2-pin plug housing, to socket housing **K**.

9. Installing the Head-up Screen



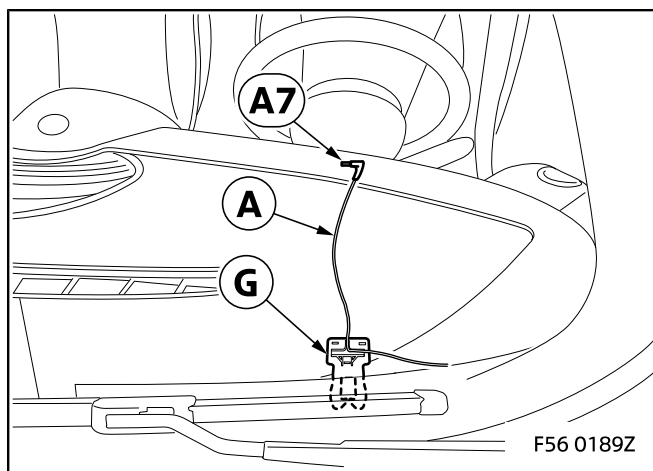
Remove the adhesive backing film (1) from tie rod **G**.



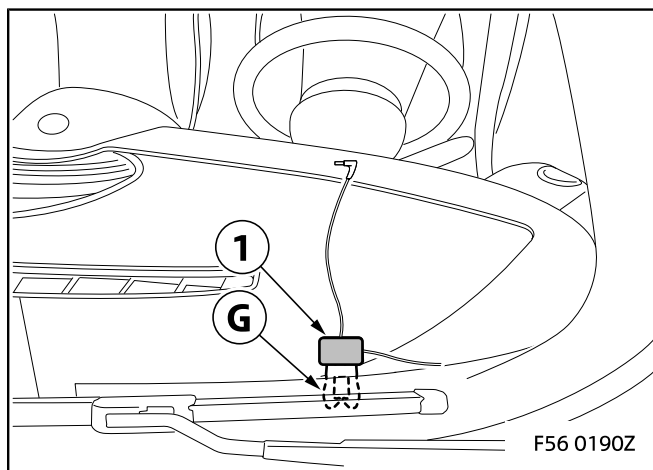
▶ Clean the bonding surfaces with cleaning pad **M** to ensure they are free from grease. ◀

Position tie rod **G** in the area of the A-pillar between the windscreen and the dashboard.

Press tie rod **G** with the adhesive side downwards firmly onto the dashboard and keep pressed for 30 seconds.

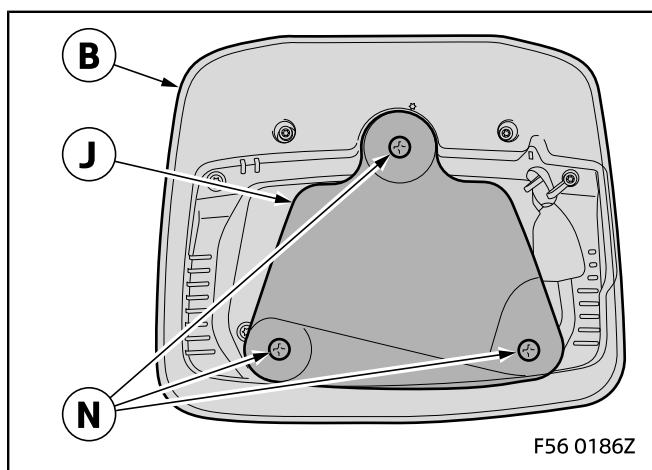


Insert branch **A7** of retrofit wiring harness **A** into the guide of tie rod **G** as shown.



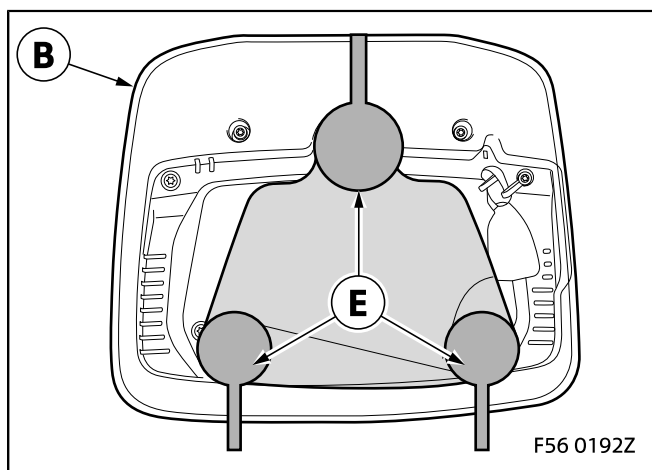
Insert the cover (1) of tie rod **G**.

9. Installing the Head-up Screen



Supplementary kit **J** is available in four versions (R55, R56, R57, R60, R61 and F54, F55, F56 LHD or RHD). ◀

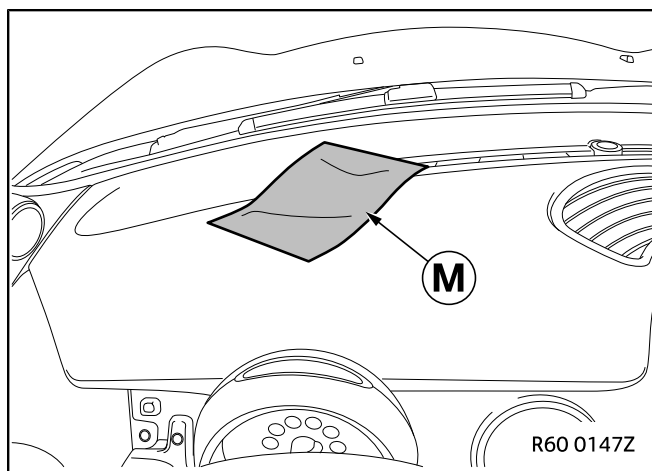
Screw add-on set **J** using screws **N** to Head-up Screen **B**.



Clean the bonding surfaces with cleaning pad **M** to ensure they are free from grease. ◀

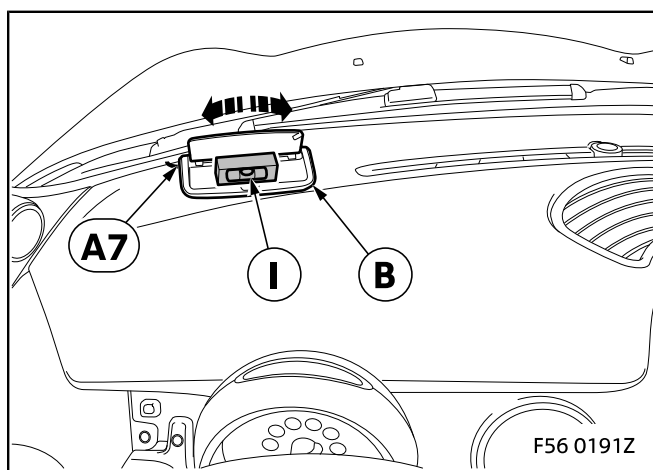
Attach adhesive pads **E** as shown onto Head-up Screen **B**.

Remove the backing film from adhesive pads **E**.



Clean the installation point of the Head-up Screen using cleaning pad **M** so it is free from grease.

9. Installing the Head-up Screen



▶ The ideal installation position for the Head-up Screen should be determined in consultation with the customer.

Secure the Head-up Screen as close as possible towards the windscreen, with the minimum distance from the windscreen being 2-3 mm.

Ensure that the car is positioned on a flat surface when levelling the Head-up Screen. ◀

Connect branch **A7** to Head-up Screen **B**.

Move Head-up Screen **B** to its final installation position and level out using spirit level **I**.

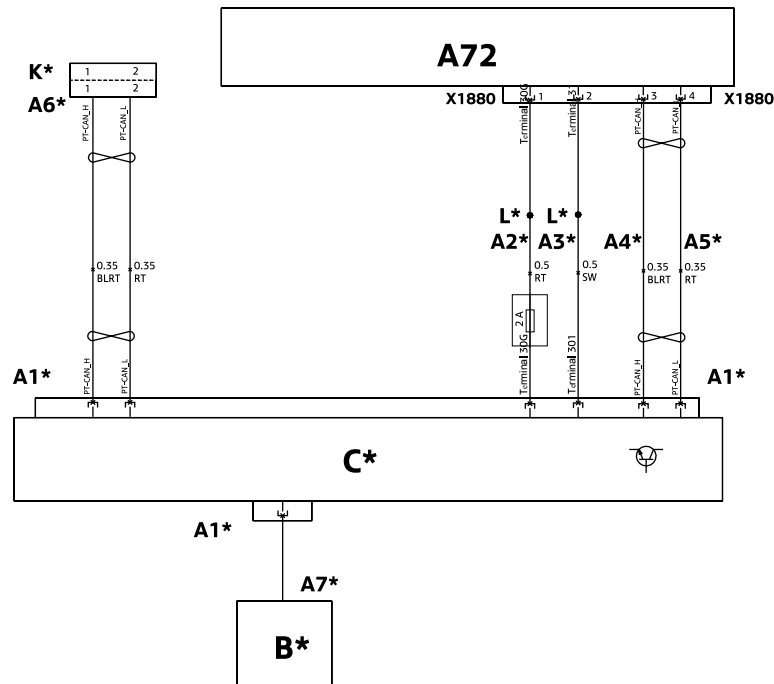
Once the final installation position has been reached, press Head-up Screen **B** firmly onto the dashboard for 30 seconds.

10. Concluding work and coding

The retrofit system does not require programming/coding.

- Connect the car battery
- Conduct a function test
- Re-assemble the car

11. Wiring diagram (R55, R56, R57, R60 and R61 cars only)



R60 0150 Z

Legend

- A1*** Connect SW 12-pin socket casing to CAN interface **C***
- A2*** Cable open, RT cable, using miniature connector **L*** to the cable from plug **X1880**
- A3*** Cable open, SW cable, using miniature connector **L*** to the cable on ground support point **X1880**
- A4*** Connect socket contact, BL/RT cable, to PIN 3 of plug **X1880**
- A5*** Connect socket contact, RT cable, to PIN 4 of plug **X1880**
- A6*** SW 2-pin plug housing, with disconnected cables from plug **X1880**, to socket housing **K***
- A7*** Barrel connector, on head-up screen **B***

- B*** Head-up screen
- C*** CAN interface
- K*** SW 2-pin socket housing
- L*** Miniature connector

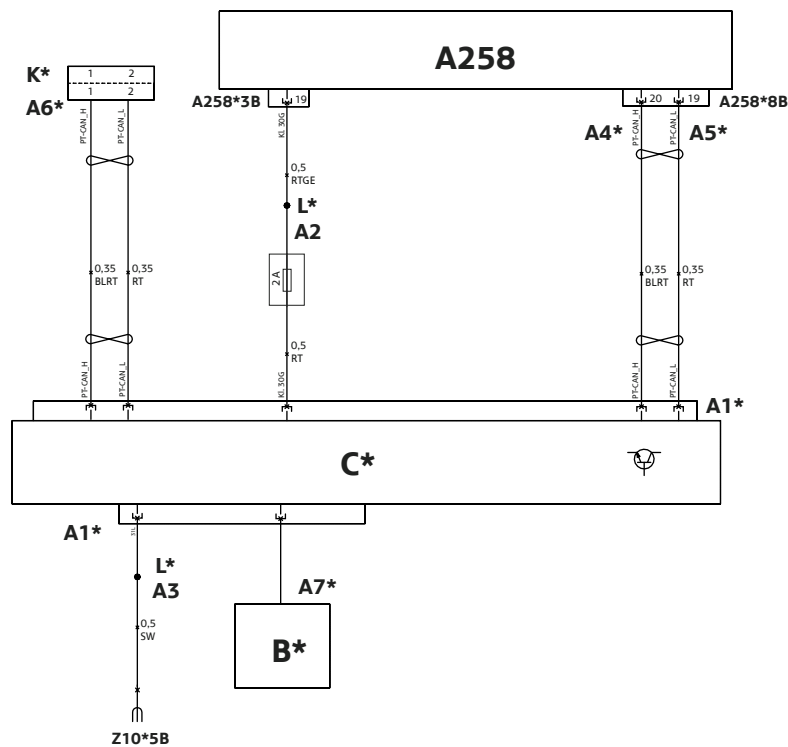
- A72** Steering column switch cluster (SCSC)
- X1880** SW 18-pin socket housing to SCSC

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

12. Wiring diagram (F54, F55, F56 and F57 cars only)



F56 0195 Z

Legend

- A1*** Connect SW 12-pin socket casing to CAN interface **C***
- A2*** Cable open, RT cable, using miniature connector **L*** to the cable from plug **A258*3B**
- A3*** Cable open, SW cable, using miniature connector **L*** to the cable on ground support point **Z10*5B**
- A4*** Connect socket contact, BL/RT cable, to PIN 20 of plug **A258*8B**
- A5*** Connect socket contact, RT cable, to PIN 19 of plug **A258*8B**
- A6*** SW 2-pin plug housing, with disconnected cables from plug **A258*8B**, to socket housing **K***
- A7*** Barrel connector, on head-up screen **B***

- B*** Head-up screen
- C*** CAN interface
- K*** SW 2-pin socket housing
- L*** Miniature connector

- A258** BDC in the passenger footwell
- A258*3B** 54-pin SW socket housing
- A258*8B** 54-pin SW socket housing
- Z10*5B** Ground support point in the passenger footwell

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