

Original MINI Accessories. Installation Instructions.



Electrochrome Interior Rear-View Mirror Retrofit MINI (R 55, R 56)

Retrofit kit No. 61 12 0 416 436 Electrochrome Interior Rear-View Mirror Retrofit

Installation time

The installation time is approx. 1.0 hours. This may vary depending on the condition of the car and the equipment in it.

The installation time will increase by approx. 0.5 hours if the fuse box (SPEG) has to be replaced.

In general the car must be upgraded to the latest I stage status by flashing before starting the work. Depending on the production age of the car and the work already carried out on the car, the programming times will vary, which means that we cannot quote a specific time at this point.

The installation time does not include any time for programming/encoding, as this depends on the age 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 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.

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

In order to reduce costs and avoid any additional expense, send a query immediately to the Technical Parts Support via the Aftersales Assistance Portal (ASAP).

Specify the following information:

- Chassis number
- Part number of the retrofit kit
- A precise description of the problem
- Work steps already carried out

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

Installation information

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

Ensure that the cables and/or lines are not kinked or damaged as you install them in the car. The costs thereby incurred 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.

After the installation work, the retrofit must be programmed / coded via the **Retrofit** path.

Ordering instructions

The interior rear-view mirror **B** is not included in the retrofit kit and must be ordered separately (see EPC for part number and further details).

If necessary, the fuse box (SPEG) low must be replaced by the fusebox (SPEG) high (see EPC for part number and further details).

Special tools required

00 9 317, Trim wedge

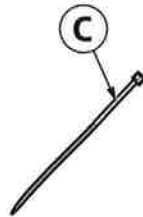
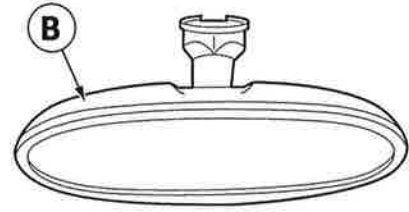
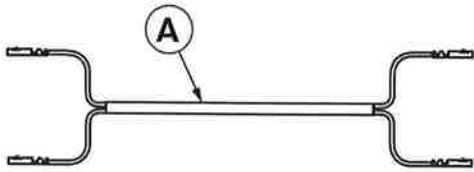
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1. Preparations

	TIS instruction No.
Disconnect the negative pole of the battery	12 00 ...
The following components must be removed first of all:	
Only cars with fuse box (SPEG) low	
Replace fusebox (SPEG) low with fusebox (SPEG) high and carry out programming/coding	61 35 040
All cars	
Interior rear view mirror (no longer required)	51 16 060
Sun visor and right hinge bracket	51 16 080
Trim for front roof pillar (A pillar), right	51 43 201
Instrument panel cover on the right	---
Door sill trim, right	51 47 000

2. Parts list

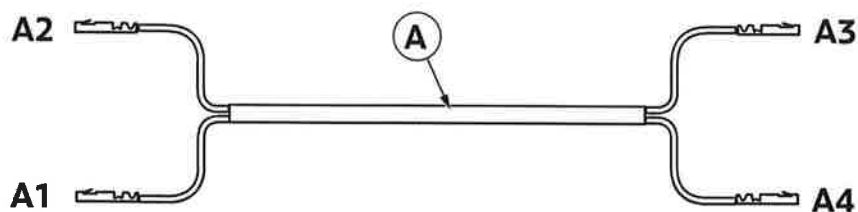


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Legend

- A Cable kit
- B Interior rear view mirror (not supplied in the retrofit kit)
- C Cable tie (15x)
- D Fusible link 7.5 A

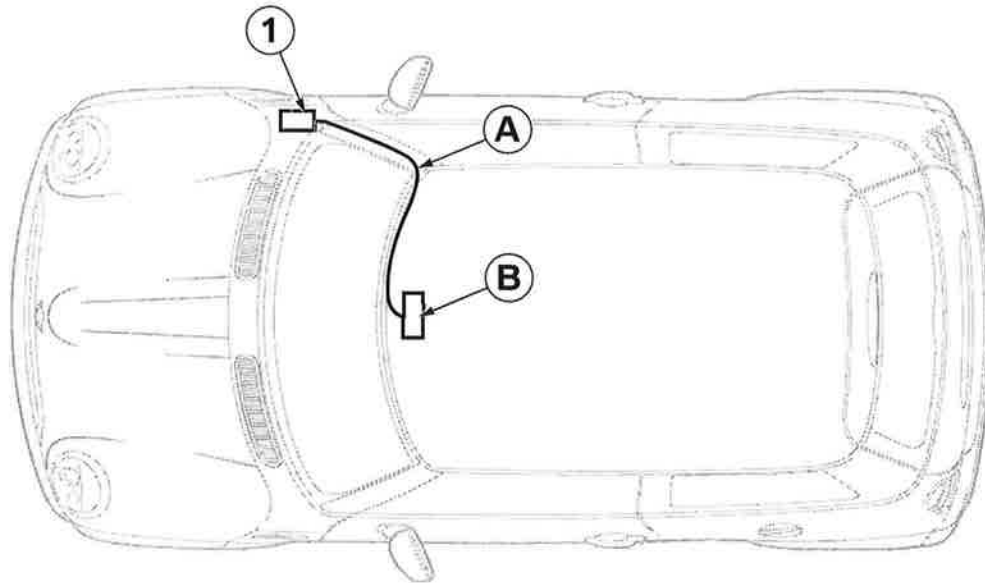
3. Connection diagram



R56 0158 Z

Branch/ Item	Designation	Signal	Cable colour / Cross-section	Connection location in car	Abbreviation / Slot
A	Cable kit	---	---	---	---
A1	Socket contact	EC_REV_G	SW/WS 0,35 mm ²	On Interior rear view mirror B	X18246 PIN 1
A2	Socket contact	Terminal 15	GN/WS 0,5 mm ²	On Interior rear view mirror B	X18246 PIN 3
A3	Socket contact	Terminal 15	GN/WS 0,5 mm ²	To fuse box	X11008 PIN 4
A4	Socket contact	EC_REV_G	SW/WS 0,35 mm ²	To fuse box	X11002 PIN 38

4. Installation and cabling diagram



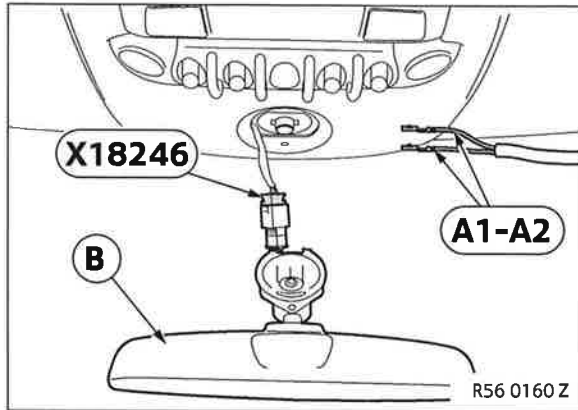
R56 0159 Z

Legend

- A** Cable kit
- B** Interior rear-view mirror

- 1** Fuse box, socket casing **X11002** and **X11008**

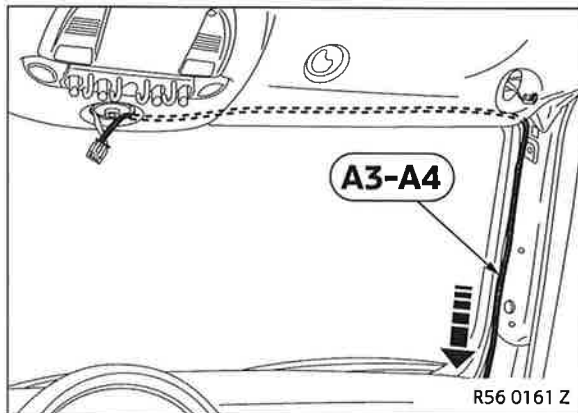
5. Installing and connecting the cable kit



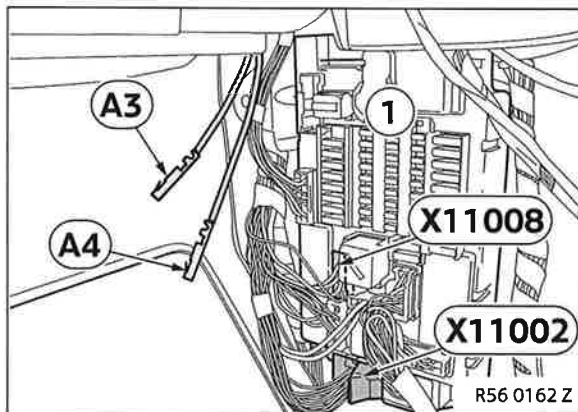
Connect branches **A1** and **A2** as follows to socket casing **X18246** (black 10-pin):

- Branch **A1**, SW/WS cable, to PIN 1
- Branch **A2**, GN/SW cable, to PIN 3

Connect and fit the interior rear-view mirror **B**.

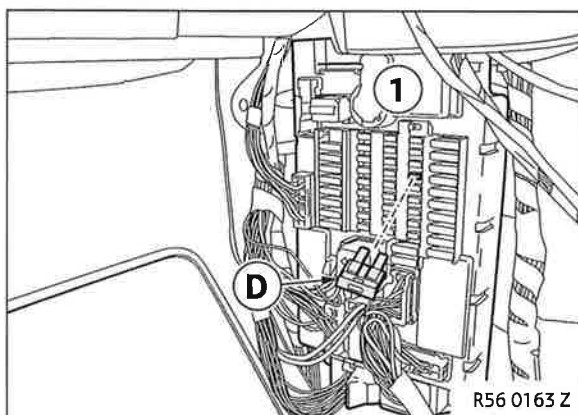


Route branches **A3** and **A4** along the standard wiring harness to the fuse box (not shown).



Connect branches **A3** and **A4** to fuse box (1) as follows:

- Connect branch **A3**, GN/WS cable, to socket casing **X11008** black 18-pin, PIN 4
- Connect branch **A4**, SW/WS cable, to socket casing **X11002** black 52-pin, PIN 38



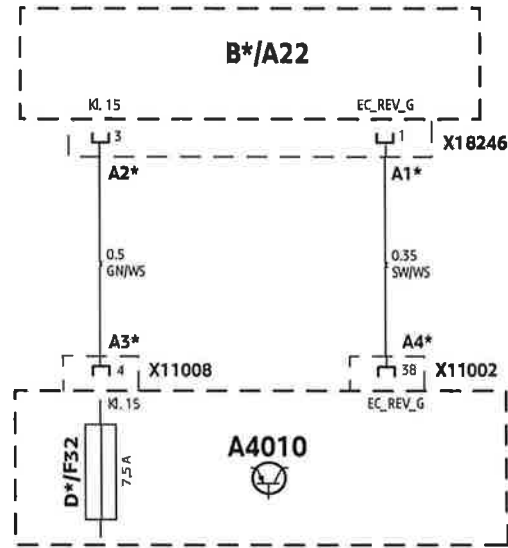
Insert fusible link **D** into slot 32 of the fuse box (1).

6. Concluding work and coding

This retrofit system requires coding.

- Connect the battery
- Encode the retrofit via the **Retrofit** path
- Conduct a brief test
- Conduct a function test
- Re-fit the car components as required

7. Circuit diagram



R56 0164 Z

Legend

- A4010** Fuse box (SPEG high)
- A22** Interior rear view mirror **B***
- F32** Fusible link 7.5 A, **D***
- X11002** Black 52-pin socket casing
- X11008** Black 18-pin socket casing
- X18246** Black 10-pin socket casing

- A1*** Socket contact
- A2*** Socket contact
- A3*** Socket contact
- A4*** Socket contact

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

Cable colours

- GN Green
- RT Red
- SW Black
- WS White