

# Original MINI Accessories.

## Installation Instructions.



### MINI LED Daytime Running Light Retrofit

MINI 3-door (F56)

MINI 5-door (F55)

MINI Clubman (F54)

**Installation instructions only valid for cars with SA 520.**

#### Retrofit kit number

63 12 2 361 243 MINI LED Daytime Running Light

#### Installation time

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

The installation time shown does not include any 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 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,
- And 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**

Note the information on handling the documents: repair instructions, technical data and tightening torques (see ISTA 0).

Note the information on handling wiring harnesses and cables (see ISTA 61 00 ...).

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.

All pictures show LHD (left-hand drive) cars; proceed accordingly on RHD (right-hand drive) cars.

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

Once installed, the fog lights must be calibrated according to ISTA 63 10 014.

## **List of special equipment**

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

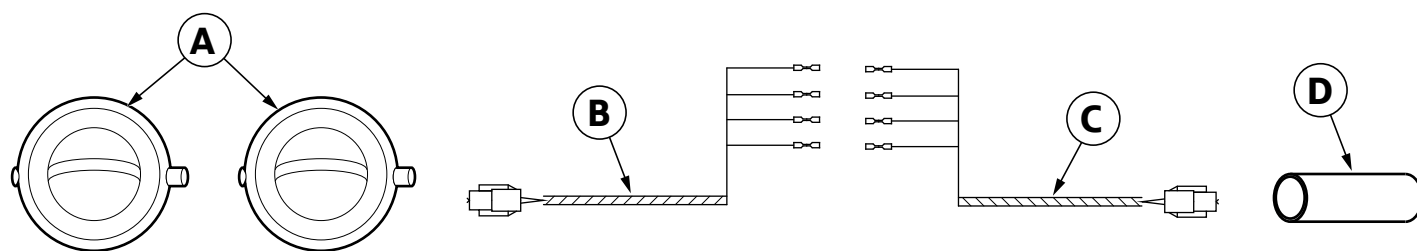
**SA 520** Fog light

## **Special tools required**

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

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## 1. Parts list for retrofit kit



F56 0200 Z

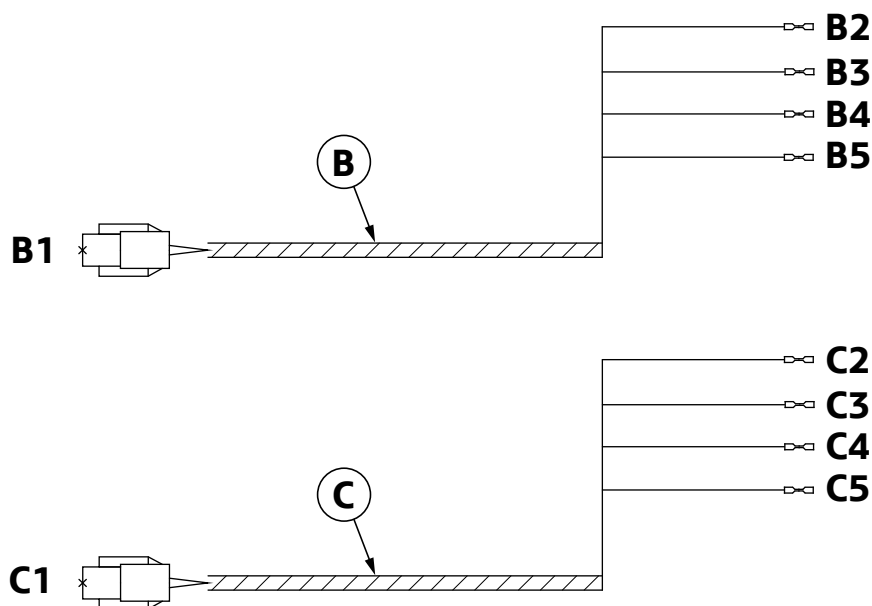
### Legend

- A** LED daytime running light (2 x)
- B** Left adapter cable
- C** Right adapter cable
- D** Shrink hose (8 x)

## 2. Preparatory work

	ISTA No.
Disconnect the negative battery cable	61 20 900
<b>The following components must be removed first of all</b>	
Front bumper trim	51 11 156
Fog light, left	63 17 070
Fog light, right	63 17 075

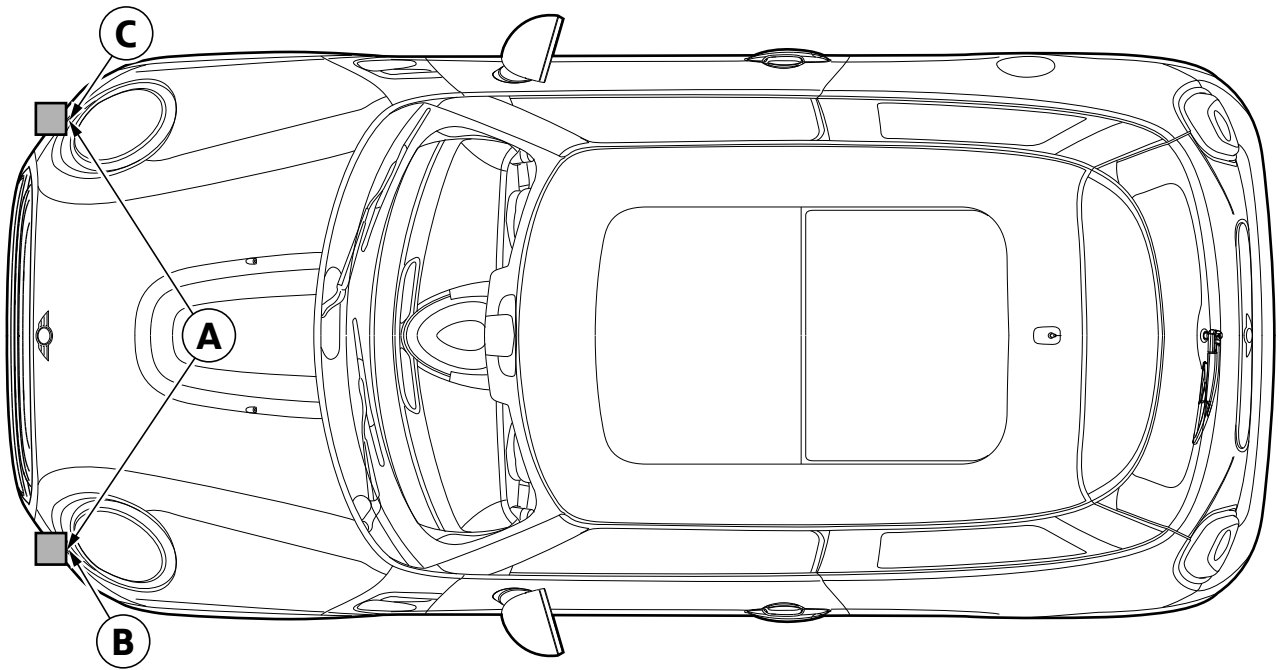
### 3. Adapter cable connection diagram



F55 0025 Z

Item	Designation	Signal	Cable colour/ cross-section	Connection location in the car	Abbreviation / slot
B	Left adapter cable	---	---	---	---
B1	SW 4-pin socket casing	---	---	To left LED daytime running light <b>A</b>	E29
B2	Butt-joint connector	Terminal 31	BR 0.75 mm <sup>2</sup>	Crimp onto the cable of the same colour from the left fog light plug	E29*1B PIN 2
B3	Butt-joint connector	58_VL	SW/GN 0.35 mm <sup>2</sup>	Crimp onto the cable of the same colour from the left fog light plug	E29*3B PIN 2
B4	Butt-joint connector	TFL_L	GR/VI 0.75 mm <sup>2</sup>	Crimp onto the cable of the same colour from the left fog light plug	E29*2B PIN 2
B5	Butt-joint connector	NSW_L	GE/SW 0.75 mm <sup>2</sup>	Crimp onto the cable of the same colour from the left fog light plug	E29*1B PIN 1
C	Right adapter cable	---	---	---	---
C1	SW 4-pin socket casing	---	---	To right LED daytime running light <b>A</b>	E31
C2	Butt-joint connector	Terminal 31	BR 0.75 mm <sup>2</sup>	Crimp onto the cable of the same colour from the right fog light plug	E31*1B PIN 2
C3	Butt-joint connector	58_VR	SW/BL 0.35 mm <sup>2</sup>	Crimp onto the cable of the same colour from the right fog light plug	E31*3B PIN 2
C4	Butt-joint connector	TFL_R	GR/GE 0.75 mm <sup>2</sup>	Crimp onto the cable of the same colour from the right fog light plug	E31*2B PIN 2
C5	Butt-joint connector	NSW_R	GE/BR 0.75 mm <sup>2</sup>	Crimp onto the cable of the same colour from the right fog light plug	E31*1B PIN 2

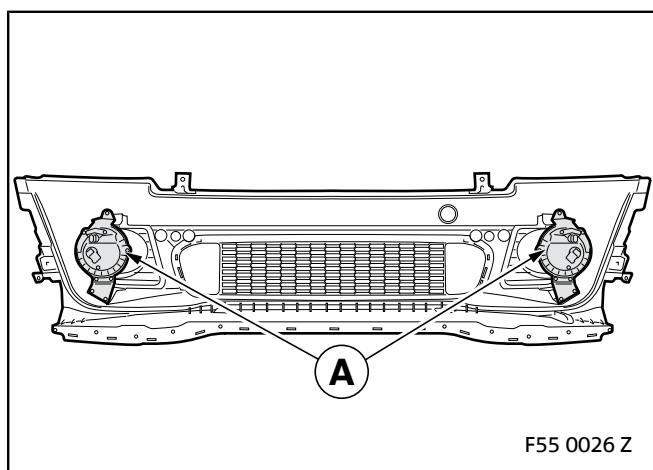
#### 4. Installation and cabling diagram



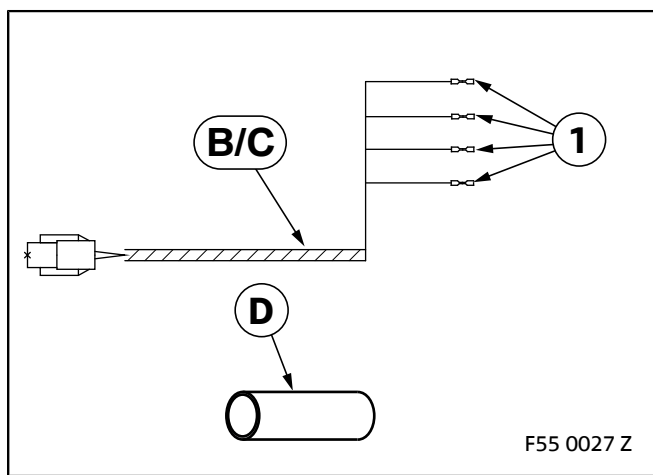
F56 0156 Z

- A** LED daytime running light
- B** Left adapter cable
- C** Right adapter cable

## 5. Installing the LED daytime running light and connecting the adapter cables



Install LED daytime running light **A** in the bumper trim, see ISTA 63 17 070.

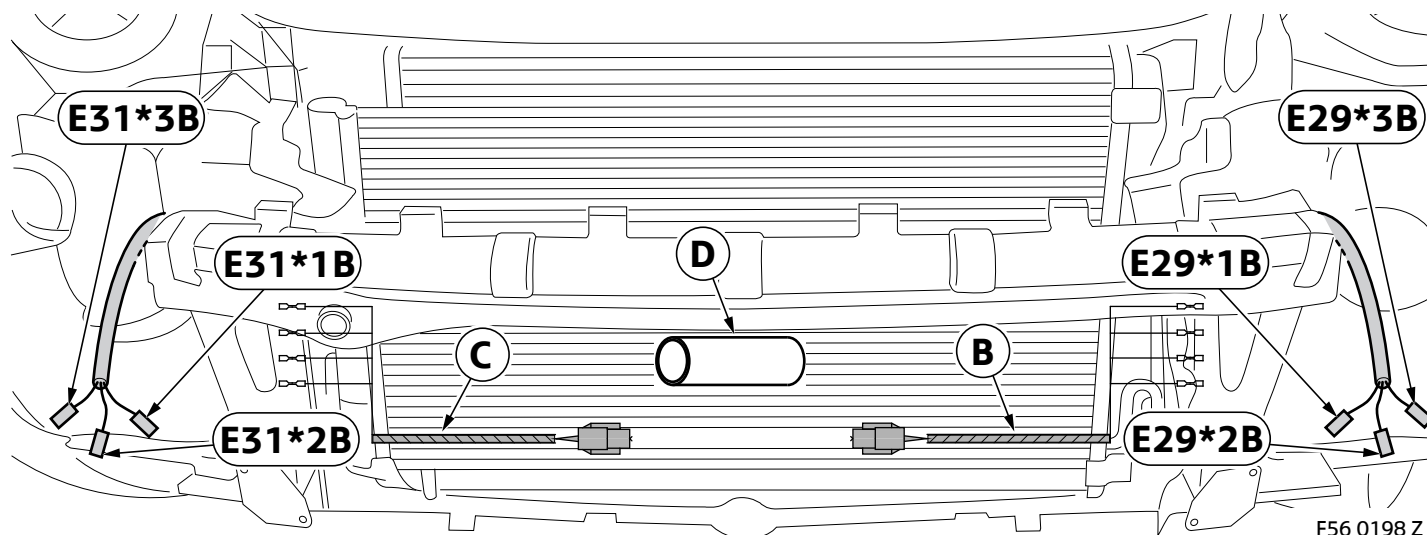


▶ If the butt-joint connectors of adapter cable **B / C** are enclosed loose, crimp the butt-joint connector before starting the conversion onto adapter cable **B / C**. ◀

Slip shrink hoses **D** over all butt-joint connectors on adapter cable **B / C**.



## 5. Installing the LED daytime running light and connecting the adapter cables



### Left-hand side of vehicle

Disconnect plug **E29\*1B**, SW 2-pin socket casing (it is no longer required) and crimp the exposed standard cable as follows onto adapter cable **B**:

- Branch **B2**, BR cable to BR cable from PIN 2
- Branch **B5**, GE/SW cable, to GE/SW cable from PIN 1

Disconnect plug **E29\*3B**, SW 2-pin socket casing (it is no longer required) and crimp the exposed standard cable as follows onto adapter cable **B**:

- Branch **B3**, SW/GN cable, to SW/GN cable from PIN 2
- Insulate standard cable BR from PIN 1 and tie it back

Disconnect plug **E29\*2B**, SW 2-pin socket casing (it is no longer required) and crimp the exposed standard cable as follows onto adapter cable **B**:

- Branch **B4**, GR/VI cable, to GR/VI cable from PIN 2
- Insulate standard cable BR from PIN 1 and tie it back

Slide shrink hoses **D** over the crimping points and heat them.

### Right-hand side of vehicle

Disconnect plug **E31\*1B**, SW 2-pin socket casing (it is no longer required) and crimp the exposed standard cable as follows onto adapter cable **C**:

- Branch **C2**, BR cable to BR cable from PIN 2
- Branch **C5**, GE/BR cable, to GE/BR cable from PIN 1

Disconnect plug **E31\*3B**, SW 2-pin socket casing (it is no longer required) and crimp the exposed standard cable as follows onto adapter cable **C**:

- Branch **C3**, SW/BL cable, to SW/BL cable from PIN 2
- Insulate standard cable BR from PIN 1 and tie it back

Disconnect plug **E31\*2B**, SW 2-pin socket casing (it is no longer required) and crimp the exposed standard cable as follows onto adapter cable **C**:

- Branch **B4**, GR/GE cable, to GR/GE cable from PIN 2
- Insulate standard cable BR from PIN 1 and tie it back

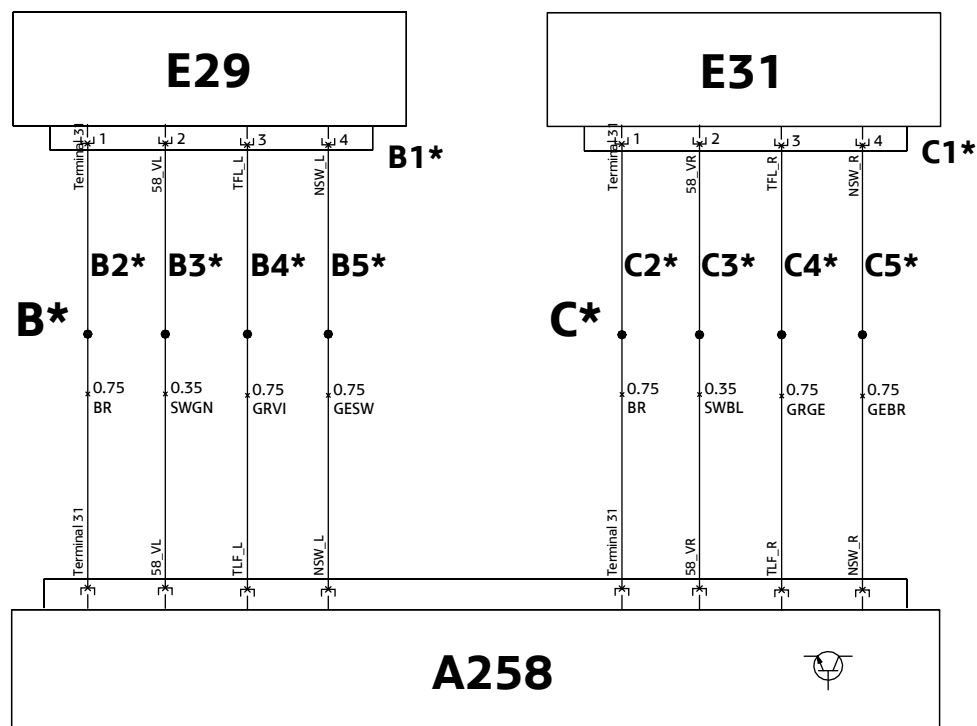
Slide shrink hoses **D** over the crimping points and heat them.

## 6. Concluding work and coding

The retrofit system requires programming / coding.

- Connect the battery
- Connect the battery charger to the car
- Connect the car to the ISTA workshop system
- Call up the ISTA/P car programming facility
- If using ISTA/P, please note the instructions provided in the ISTA/P application documentation
- Select the "MINI LED Daytime Running Light Retrofit" via the – **Retrofits** – path and work through the created action plan
- If necessary, carry out a car test using the ISTA system and note or work through any entered error memory
- Conduct a function test
- Re-assemble the car in a logical manner
- Adjust the fog lights as described in ISTA 63 10 14

## 7. Wiring diagram



F56 0199 Z

### Legend

**B1\*** SW 4-pin socket casing to adapter cable **B\***  
**B2\*** Butt-joint connector to adapter cable **B\***  
**B3\*** Butt-joint connector to adapter cable **B\***  
**B4\*** Butt-joint connector to adapter cable **B\***  
**B5\*** Butt-joint connector to adapter cable **B\***

**C1\*** SW 4-pin socket casing to adapter cable **C\***  
**C2\*** Butt-joint connector to adapter cable **C\***  
**C3\*** Butt-joint connector to adapter cable **C\***  
**C4\*** Butt-joint connector to adapter cable **C\***  
**C5\*** Butt-joint connector to adapter cable **C\***

**E29** LED daytime running light, left  
**E31** LED daytime running light, right  
**A258** Body Domain Controller BDC

All the designations marked with \* 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