LED daytime running light retrofit
MINI CLUBMAN (R55)
MINI (R56)
MINI CABRIO (R57)
MINI COUPÉ (R58)
MINI ROADSTER (R59)
MINI COUNTRYMAN (R60)
MINI PACEMAN (R61)

The LED daytime running light retrofit is only available for cars with existing front fog lights (SA 520).

Retrofit kit number
63 12 2 338 554   LED daytime running light retrofit kit

Installation time
The installation time is approx. 1.5 hours. This may vary depending on the condition of the car and the equipment in it.

Important information
These installation instructions are primarily designed for use within the BMW 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, 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 vehicle. 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, double crimps or twin-lead terminals must be used.

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

Special tools required
00 9 325, trim key
61 6 130, dismantling tool
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2. Parts list for retrofit kit

Legend
A  Control unit with cable set
B  LED daytime running light, left
C  LED daytime running light, right
D  Cable tie 700 mm x 5.0 mm (2 x)
E  Crimp connector
F  Adhesive pad (2 x)
G  Cable tie (10 x)
3. Retrofit cable set connection diagram

<table>
<thead>
<tr>
<th>Item</th>
<th>Designation</th>
<th>Signal</th>
<th>Cable colour/cross-section</th>
<th>Connection location in the car</th>
<th>Abbreviation/slot</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Control unit with cable set</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>A1</td>
<td>Cable open</td>
<td>Terminal 15</td>
<td>BL 0.5 mm²</td>
<td>With crimp connector E to the GR cable of the footwell module A4011</td>
<td>X14261 PIN 12</td>
</tr>
<tr>
<td>A2</td>
<td>Ring eyelet M6</td>
<td>Terminal 30</td>
<td>RT</td>
<td>To fuse box in engine compartment A400a</td>
<td>X10201</td>
</tr>
<tr>
<td>A3</td>
<td>Ring eyelet M6</td>
<td>Terminal 31</td>
<td>SW 0.5 mm²</td>
<td>To ground support point X13004</td>
<td>X13004</td>
</tr>
<tr>
<td>A4</td>
<td>SW 2-pin socket casing</td>
<td>Terminal 15</td>
<td>VI 0.5 mm²</td>
<td>To the front, left plug of the vehicle</td>
<td>X129</td>
</tr>
<tr>
<td>A5</td>
<td>SW 2-pin socket casing</td>
<td>Terminal 31</td>
<td>WS 0.5 mm²</td>
<td>To the front, left plug of the vehicle</td>
<td>X768</td>
</tr>
<tr>
<td>A6</td>
<td>WS 6-pin socket casing</td>
<td>Terminal 31</td>
<td>GE 0.5 mm²</td>
<td>To the front, right LED daytime running light B</td>
<td>X769</td>
</tr>
<tr>
<td>A7</td>
<td>SW 2-pin socket casing</td>
<td>Terminal 31</td>
<td>GN 0.5 mm²</td>
<td>To the front, right plug of the vehicle</td>
<td>X136</td>
</tr>
<tr>
<td>A8</td>
<td>WS 6-pin socket casing</td>
<td>Terminal 31</td>
<td>GE 0.5 mm²</td>
<td>To the front, right LED daytime running light C</td>
<td>---</td>
</tr>
</tbody>
</table>

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4. Preparatory work

<table>
<thead>
<tr>
<th>Conduct a brief test</th>
<th>ISTA No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Disconnect the negative pole of the battery</td>
<td>12 00...</td>
</tr>
</tbody>
</table>

The following components must be removed first of all

<table>
<thead>
<tr>
<th>Component</th>
<th>ISTA No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front ornamental grille</td>
<td>51 13 000</td>
</tr>
<tr>
<td>Front trim panel on wheel house, left and right</td>
<td>51 13 102</td>
</tr>
<tr>
<td>Bumper trim</td>
<td>51 11 156</td>
</tr>
<tr>
<td>Left headlight (adaptive cornering light) or left headlight (xenon)</td>
<td>63 12 015/63 12 010</td>
</tr>
<tr>
<td>Right and left fog lights (no longer required)</td>
<td>63 17 075</td>
</tr>
<tr>
<td>Left cowl panel cover</td>
<td>51 13 123</td>
</tr>
<tr>
<td>Left and right windscreen wipers</td>
<td>61 61 081</td>
</tr>
<tr>
<td>Front left door sill strip</td>
<td>51 47 000</td>
</tr>
<tr>
<td>Detach footwell module</td>
<td>61 35 115</td>
</tr>
</tbody>
</table>
5. Installation and cabling diagram

A  Control unit with cable set
B  LED daytime running light, left
C  LED daytime running light, right
1  Rubber grommet
2  Ground support point \textbf{X13004}
3  Footwell module \textbf{A4011}
4  Power distribution box in engine compartment \textbf{A400a}
6. Installing the retrofit cable set and LED daytime running lights

Clean the surfaces to be bonded.

Affix adhesive pads F to the back of control unit A.

Detach power distribution box A400a in the engine compartment and fold to the side.

Secure branch A3 to the ground support point X13004 underneath.

Secure power distribution box A400a in the engine compartment.

Secure branch A2 to the power distribution box A400a in the engine compartment.

Depending on the engine type, an alternative installation location may have to be defined.

Affix control unit A to the power distribution box in the engine compartment (1) and secure with cable ties D.

Route branch A1 to the bulkhead of the driver's side.

Route branches A4-A9 to the LED daytime running lights.
Route branch A1 through rubber grommet (1) in the partition wall into the interior of the car.

Connect branch A1, cable colour BL, with miniature connector E to the cable from Pin 12 of plug X14261, SW 51-pin socket housing, of the footwell module(1).

Connect branches A4-A5 as follows to the left vehicle side:
- Branch A4 to plug X129
- Branch A5 to plug X768

Connect branches A7-A8 as follows to the right vehicle side:
- Branch A7 to plug X769
- Branch A8 to plug X136

Remove original fog lights support (1), see ISTA 63 17 075.

Attach LED daytime running lights B and C using the available mounting material to support (1) and mount to bumper trim, see ISTA 63 17 075.

Plug branches A6 and A9 into LED daytime running lights B and C.

Attach bumper trim, see ISTA 51 11 156.
7. **Concluding work and coding**

The retrofit system does not require programming / coding.

- Connect the battery
- Carry out a functional check
- Re-assemble the car appropriately
- Deactivate the daytime running light function in the onboard computer
8. Wiring diagram

Legend
A* Control unit
A1* Cable open, with miniature connector E* to right footwell module A4011
A2* M6 ring eyelet, to engine compartment power distribution box A400a
A3* M6 ring eyelet, to ground support point X13004
A4* SW 2-pin socket casing, to socket on vehicle of the left side marker light X129
A5* SW 2-pin socket casing, to socket on vehicle of the left front fog light X768
A6* WS 6-pin socket casing, to left LED daytime running light B*
A7* SW 2-pin socket casing, to socket on vehicle of the right side marker light X769
A8* SW 2-pin socket casing, to socket on vehicle of the right front fog light X136
A9* WS 6-pin socket casing, to right LED daytime running light C*

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

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

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9. Customer information

Function
To ensure proper functioning of the LED daytime running lights, the daytime running light option of your vehicle may not be reactivated via the onboard computer.