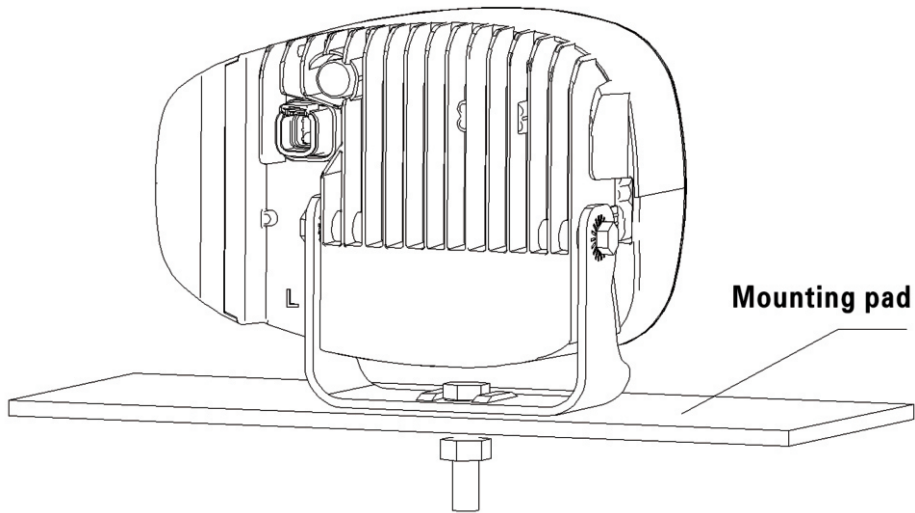


# LED Combo Headlight E7107 Series

## Installation Manual

Version: E08-2021



It is highly recommended that this manual be read carefully before installing LED Combo Headlights  
This manual is only applicable for E7107 series.  
Content in this manual might be updated, modified, or revised without prior notice.  
If more details should be needed, please contact your representative(s)

### I. Packing List

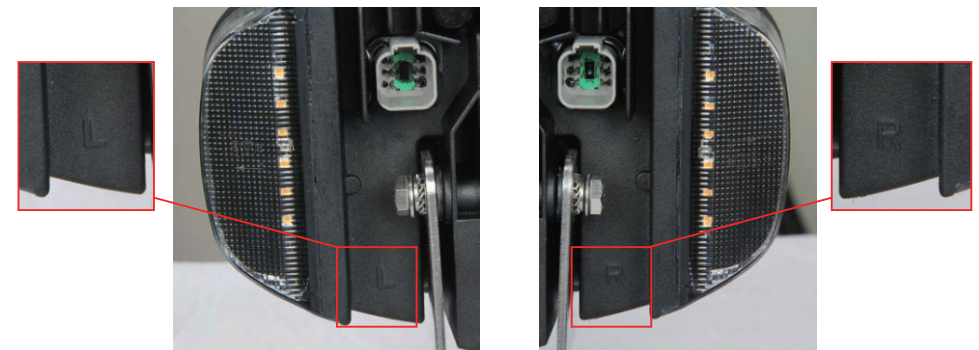


Item	Remarks	Quantity
① E7107 Combo LED Headlight body	(R / L)	1 pcs×2
② Short Wire Harness Kit with 6-pin DT plug	(approx. 40cm)	1 pcs×2
③ Long Wire Harness Kit in bellow with 6-pin DT plug	(approx. 183cm)	1 pcs×2
④ U shape Bracket (on light)	4mm SUS304	1 pcs×2
⑤ M12×40 Bolt (on light)	40mm SUS304	1 pcs×2
⑥ M12 Flat Washer (on light)	SUS304	1 pcs×2
⑦ M12 Lock Washer (on light)	SUS304	1 pcs×2
⑧ M12 Lock Hex Nut (on light)	SUS304	1 pcs×2

**R** for right hand side

**L** for left hand side

**Note:** Please find **R/L** mark on the rear side of each light body before installing, like in the picture below.



Left hand side

Right hand side

## II. Installation Manual

### 2.1. Mount LED Combo Headlight kit

**CAUTION**  
Please read this manual before installing E7107 LED Combo Headlights kit.

- 1) Rotate U-shape bracket to either bottom position or back position (see pics below) before installing. Either bottom mount or back mount option could be decided according to vehicle design. (Nut, washers and bolt are kept on U-shape bracket).

See rotation angle at the bottom of this page.



Bottom mount



Back mount

- 2) Park the vehicle, turn off the control and turn off the ignition and remove the key.

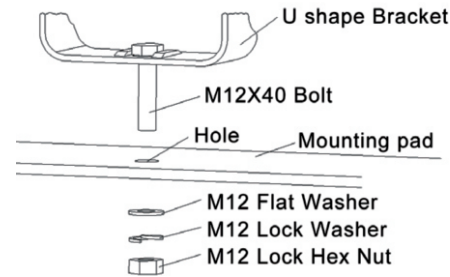
If E7107 LED combo headlights will be used as original headlights, skip to Step 4). If you are replacing existing headlights with E7107 LED combo headlights, please go on with Step 3).

- 3) Remove existing halogen headlight from vehicle by disconnecting wire harness kit.

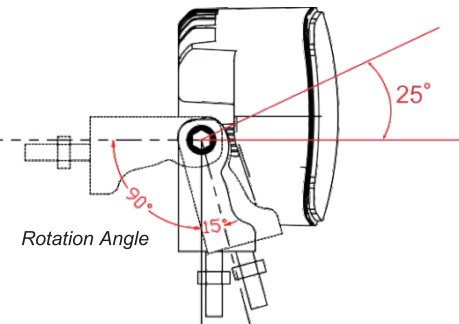
- 4) Unscrew M12 Lock Hex Nut, remove M12 Lock Washer and M12 Flat Washer from M12X40 Bolt; M12X40 Bolt is left on U-Shape bracket.
- 5) For bottom mount purpose, place E7107 LED combo headlight on mounting pad with M12X40 Bolt insert through the Hole;

While for back mount purpose, attach E7107 LED combo headlight to mounting pad with M12X40 Bolt insert through the Hole.

Make sure to install the E7107 on the correct side of the vehicle (i.e. E7107 marked with R at rear should be installed on the Right-hand side of vehicle);



- 6) On the U-shape bracket with M12X40 bolt passing through the hole, install one M12 Flat Washer and M12 Lock Washer and M12 Lock Hex Nut. Tighten the M12 Lock Hex Nut with Hex wrench.
- 7) Repeat steps 4)-6) (or steps 3)-6) if E7107s are replacing existing headlights) to install the other side of E7107 LED combo headlight.
- 8) Select the Long wire harness kit with 6-pin DT plug or Short wire harness kit with 6-pin DT plug according to vehicle needs.
- 9) Install the DT plug wire harness kit to the rear of E7107 LED combo headlight. Please refer to .



Rotation Angle

- 10) Aim E7107 LED combo headlight beam according to vehicle needs by rotating E7107 combo headlight body. Tighten the screws and hex nuts when E7107 LED combo headlights are correctly aimed. Installation height of E7107 might be different from one vehicle to another.

### 2.2. Installing Wire Harness Kit

**CAUTION**  
Make sure if de-icing function is configured according to customer orders, or not. If not configured, de-icing will not perform.

**NOTE 5°C~35°C**  
If configured, DE-ICING function switches on automatically when temperature of lens surface less than 5°C, and switches off when lens surface temperature exceeds 35°C

**WARNING**  
Voltage input to this LED headlight must be 10~30VDC.

**CAUTION**  
De-icing is powered via cable of high beam and low beam. De-icing is suggested to be supplied by the power from engine, to avoid draining battery when vehicle is switched off.



Rear of E7107 LED Combo Headlight

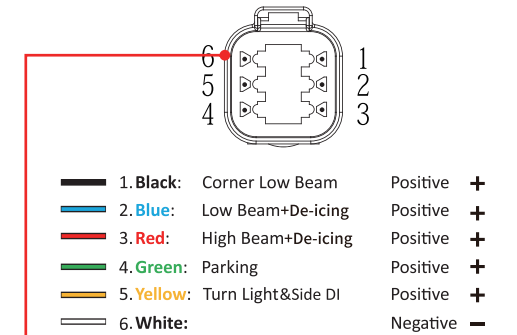


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**For 12-Volt system**  
if de-icing samples are tested without installing on vehicle, power supply cable of high beam or low beam is suggested to be thicker than 17AWG (≥1mm<sup>2</sup>) with load of not less than 10A, or more, and working voltage is recommended to be 13.2VDC.

**For 24-Volt system**  
if de-icing samples are tested without installing on vehicle, power supply cable of high beam or low beam is suggested to be thicker than 17AWG (≥1mm<sup>2</sup>) with load of not less than 13A, or more, and working voltage is recommended to be 28VDC.

For definition of cables, please refer to the diagram like below.



Corner Low Beam could either be in parallel connection with Low Beam as constant lighting of front corners;

Or Corner Low Beam could be controlled with an independent switch according to local homologations, so that Corner Low Beam could illuminate the front corners when needed. Independent switch is recommended to be prepared by customers according to vehicles.