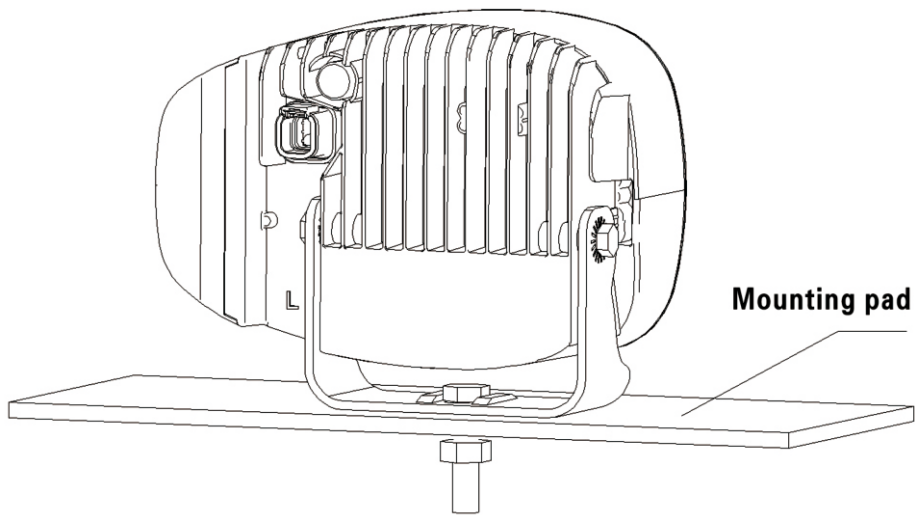


# LEDComboHeadlight RE7107S1S Series

## Packing & Installation Manual

Version. E02-2020



It is highly recommended that this manual be read carefully before installing LED Combo Headlights  
This manual is only applicable for RE7107S1S 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

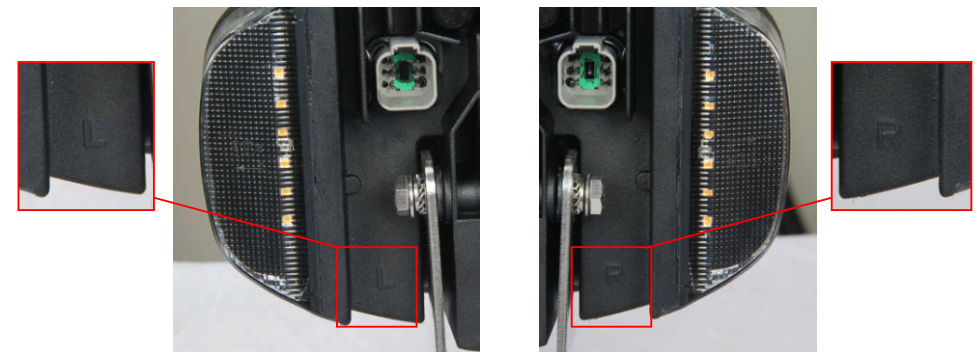


Item	Remarks	Quantity
① RE7107S1S Combo LED Headlight body	(R / L)	1 pcs×2
② Short Wire Harness Kit with 6-pin DT plug	(approx. 40cm)	1 pcs×2
③ Long Wire Harness Kit in bellow with 6-pin DT plug	(approx. 183cm)	1 pcs×2
④ U shape Bracket (on light)	4mm SUS304	1 pcs×2
⑤ M12×40 Bolt (on light)	40mm SUS304	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 RE7107S1S 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 RE7107S1S combo headlights will be used as original headlights, skip to Step 4). If you are replacing existing headlights with RE7107S1S LED combo headlights, please go on with Step 3).

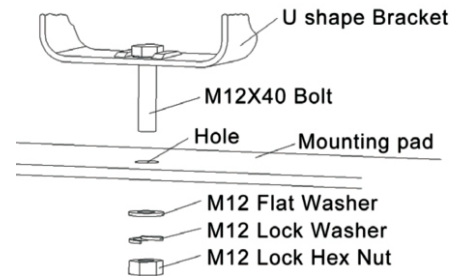
- 3) Remove existing halogen headlight from vehicle by disconnecting wire harness kit.

- 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.

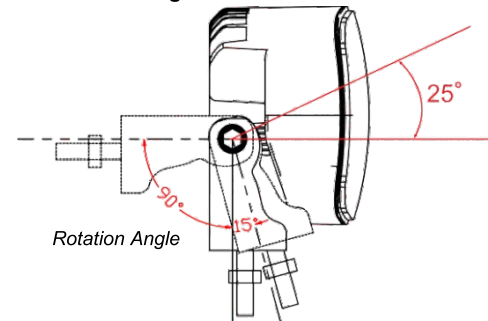
- 5) For bottom mount purpose, place RE7107S1S LED combo headlight on mounting pad with M12X40 Bolt insert through the Hole;

While for back mount purpose, attach RE7107S1S LED combo headlight to mounting pad with M12X40 Bolt insert through the Hole.

Make sure to install the RE7107S1S on the correct side of the vehicle (i.e. RE7107S1S 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 RE7107S1Ses are replacing existing headlights) to install the other side of RE7107S1S 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 RE7107S1S LED combo headlight. Please refer to **2.2. Installing Wire Harness Kit.**



Rotation Angle

- 10) Aim RE7107S1S LED combo headlight beam according to vehicle needs by rotating RE7107S1S body. Tighten the screws and hex combo headlight nuts when RE7107S1S LED combo headlights are correctly aimed. Installation height of RE7107S1S might be different from one vehicle to another.

### 2.2. Installing Wire Harness Kit

**CAUTION**  
Please make sure if de-icing function is configured according to your orders.

**NOTE**  
If configured, DE-ICING function switches automatically when ambient temperature less than 5°C.

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



Rear of RE7107S1S LED Combo Headlight



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### WARNING

De-icing function is in parallel connection with Parking (Green cable). De-icing is recommended to be supplied by the power from engine, to avoid draining battery when vehicle is switched off.

### Settings for sample tests:

Oriented to 12-Volt system, if testing samples RE7107S1S are not powered from vehicle, Power supply cable of PARKING is recommended to be 18AWG with load of not less than 10A and working voltage 13.2VDC.

Oriented to 24-Volt system, if testing samples RE7107S1S are not powered from vehicle, Power supply cable of PARKING is recommended to be 16AWG with load of not less than 15A and working voltage 28VDC.

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

1. Black:	Corner Low Beam	Positive	+
2. Blue:	Low Beam.	Positive	+
3. Red:	High Beam	Positive	+
4. White:		Negative	-
5. Yellow:	Turn Light	Positive	+
6. Green:	Parking +De-icing	Positive	+

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.