



LPR REVERSE LIGHT SYSTEM INSTALLATION INSTRUCTIONS

1. Unpack All Parts

Familiarize yourself with the various components. All necessary tools to install the LPR are included except for hand tools to remove the license plate and any interior panels.

2. Find Reverse Light Circuit and Determine Polarity

Remove interior panels and/or tail lights. Find reverse light wires (positive and negative). Refer to vehicle service manual and wiring diagrams to verify reverse light wire colors. If you do not know the polarity of the wires, use a test light to determine polarity.

3. Remove License Plate and Compare Screws

Most license plates are held on using Phillips head screws. Use a screwdriver to remove plate. Included with the LPR are M6 x 1.0 screws that are designed to be flush when installed. If your factory screws do not match this thread or will not fit in the counterbored holes you will need to source your own mounting screws.

3. Route Wiring From Tail Light to License Plate

With the license plate removed find a way to route extension wire to the reverse light circuit inside the cabin or at the tail light. If there are no access holes or grommets you may need to drill a small hole. See drilling and grommet installation instructions below.

4. (OPTIONAL) Drill Hole Into Cabin

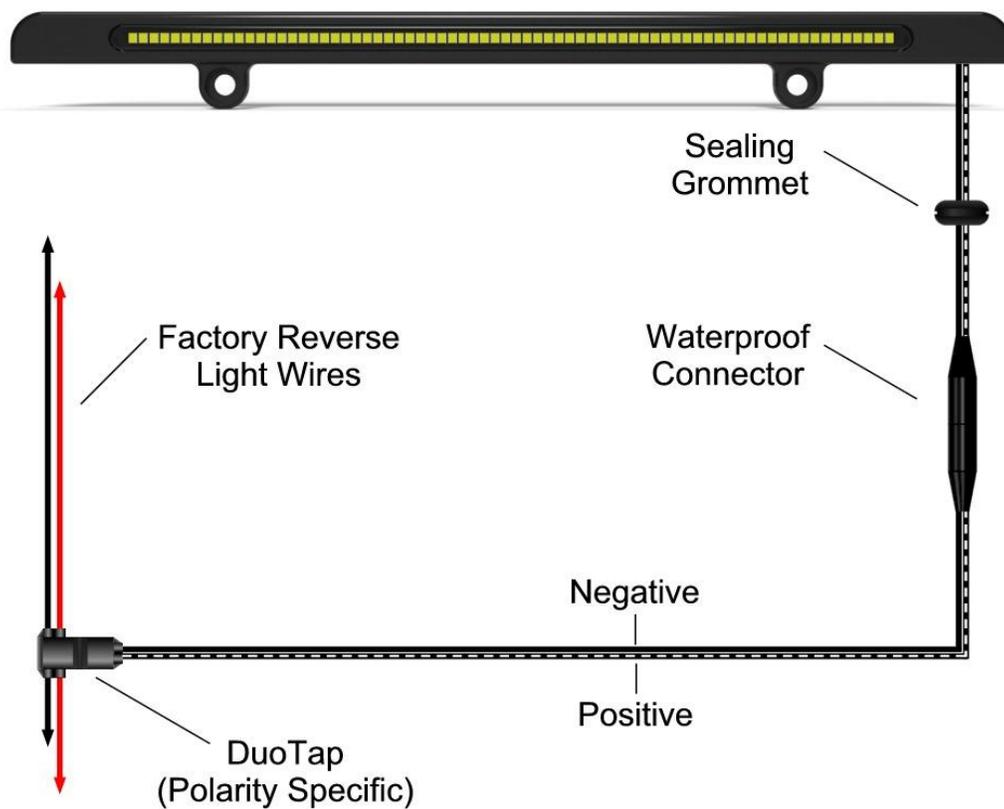
In order to tap into the reverse light wires some vehicles (mostly cars and SUVs) a hole will need to be drilled to get the wire inside. Using a 7/16" bit drill a hole behind the license plate area that will not be visible when the license plate is reinstalled. Pass the connector through hole and then install grommet into hole. Depending on the level of waterproofing required use silicone RV to fill wire hole on grommet.

5. Tap Extension Wire Into Reverse Light Circuit OR Trailer Harness

Using the provided DUO TAP insert the extension wires into the bottom of the tap. Line up the positive and negative wires determined in step 2 with the proper contacts in the top. The extension wire with the WHITE marking is positive. The SOLID BLACK wire is ground. **For newer vehicles with CAN bus systems or Body Control Modules we recommend installing LED bulbs in the factory reverse light housing or removing the factory incandescent bulbs.** These vehicles are sensitive to the additional load on the reverse light circuit. If equipped, you can wire the LPR into the trailer harness.



WIRING DIAGRAM



6. Connect Extension Wire to LPR

Attach the provided waterproof plug to the mating end of the extension wire. Use provided zip ties to secure wires to vehicle.

7. Test LPR Function

Turn your ignition key to on. **DO NOT start the vehicle.** Shift vehicle into reverse. The LPR should turn on with your reverse lights. If it does not check the wire connection and verify polarity.

8. Install LPR on License Plate

Using the supplied screws place the LPR over the top edge of the license plate so that it nests into the cutout area. Pass screws through mounting tabs and license plate. Thread into plate holder. Tighten using provided Allen wrench.

9. Put Vehicle Back Together

After functionality has been confirmed reinstall interior panels or tail lights. Use zip ties to keep the installation clean.

10. Enjoy Your New LPR Reverse Light System

Thank you for your purchase. If you're happy with your new LPR be sure to leave a review on the product page and tell your friends!

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If you have issues or questions please call us at 360-543-5700 or email support@vleds.com