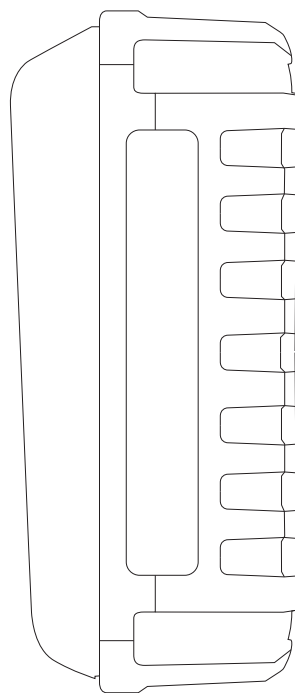
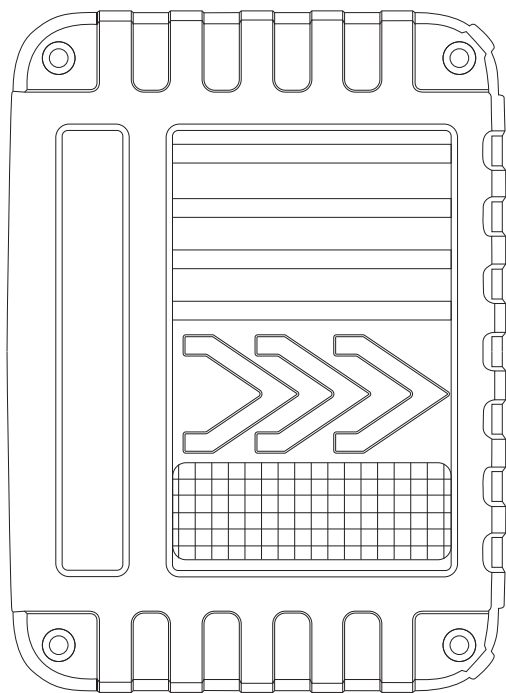


LUMEN

Black fiber optic [LED tail lamps](#) with sequential turn signals

INSTALLATION INSTRUCTIONS

For 2007 and newer Jeep Wrangler JK





These instructions may vary slightly among different model year Wranglers.

⚠ Caution

These instructions presume some automotive technical knowledge/repair experience. If you are unfamiliar with basic automotive repair, please seek professional installation assistance.

These instructions are not intended to take the place of good workshop practices and common sense. Improper repairs can lead to property damage or personal injury!

🔧 Tools and supplies needed:

- Philips screwdrivers
- Sheet metal screws
- Multimeter or 12V test light
- Wire cutter/stripper/crimper tools
- As needed (see instructions):
 - Additional length wire
 - Electrical crimp connectors
 - Electric tape
 - Plastic cable ties



In the box:

Verify that you have 2 of each of the following, as shown in the photo below:

- Lumen tail lamp assembly with built-in resistor.



STEP 1: Removal of factory (existing) tail lamp assemblies.

- Ⓐ Using a #2 Philips screwdriver, remove the two inner screws from each assembly.
- Ⓑ NOTE! SAVE these screws for reuse during the Lumen tail lamp installation.
- Ⓒ Gently pull each assembly away from the body.
- Ⓓ Locate the factory wiring plug; depress the locking tab, and unplug the lamp from the factory harness.
- Ⓔ Remove the lamp assembly from the car.
- Ⓕ Repeat these steps on the other side.

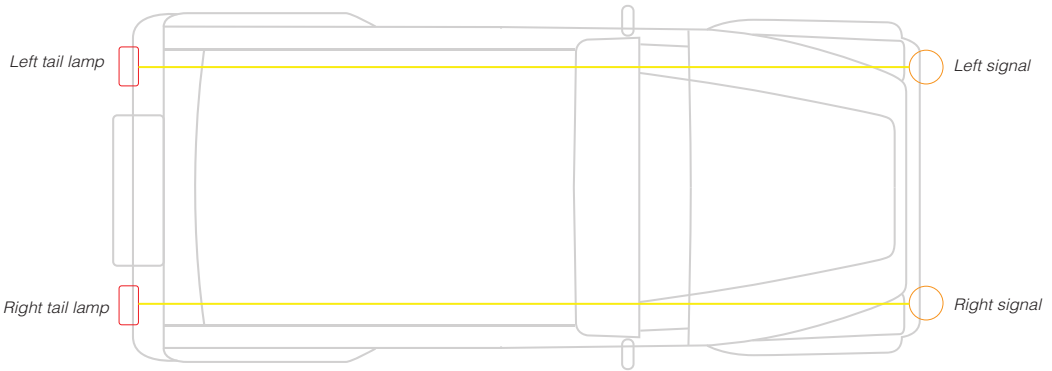


STEP 2: Routing the yellow wire to the front turn signal lamps.

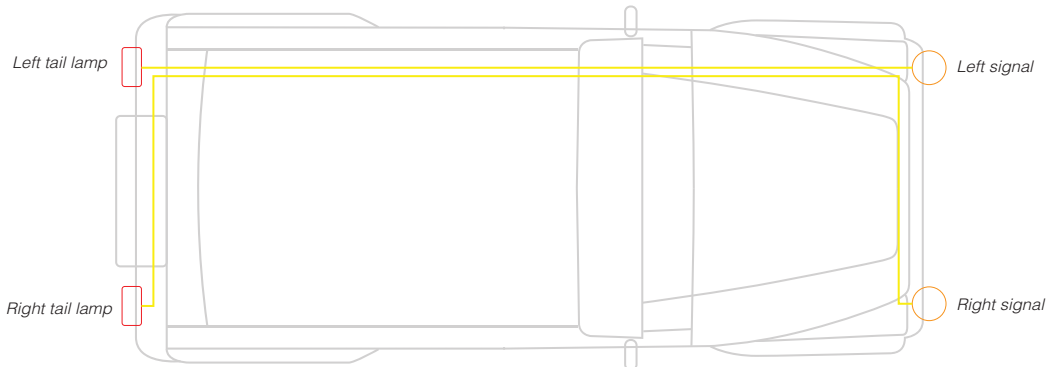
The YELLOW wire on each Lumen tail lamp must be routed to the FRONT of the vehicle, and connected to each FRONT TURN SIGNALWIRE. It CANNOT be connected to the rear turn signal lamps.

See the two illustrations below. You have the choice between Alternative One, routing each yellow wire separately down each side of the vehicle, or, Alternative Two, routing the wiring down one side. Your choice depends on your interior configuration, level of skill, etc.

ALTERNATIVE ONE:



ALTERNATIVE TWO:



- Ⓐ Add enough additional wiring to the yellow wire for it to reach the vehicle's front;
- Ⓑ Route this wire INSIDE the vehicle. As a best practice, this wiring should run under carpeting, interior panels, and seats, both to protect it from the elements, and to keep it away from passengers and cargo.
- Ⓒ *CAUTION! Avoid sharp objects such as sheet metal edges. As necessary, secure the wire along its route with plastic cable ties, electrical tape, etc. Where possible, follow the vehicle's factory wire harness.*
- Ⓓ At the firewall, find a suitable opening for the wire to pass through. As a best practice, use an existing grommet to pass the wire through.
- Ⓔ The RIGHT tail lamp wire must connect to the RIGHT FRONT turn signal assembly, and the LEFT lamp to the LEFT FRONT signal. Using a multimeter or test lamp, turn on the vehicle's turn signal, and probe for the wire which feeds the turn signal light.
- Ⓕ Using a Scotch-Lok quick connect or similar, connect the wire you have fed from the rear to this turn signal wire.
- Ⓖ REPEAT these steps for the vehicle's other side.

STEP 3: Making the LUMEN tail lamp electrical connections.

- Ⓐ Note that the Lumen tail lamp assembly includes a resistor, pre-wired into the lamp.
- Ⓑ Using sheet metal screws (not included), mount the resistor onto a METAL (not plastic) mounting area inside the access opening of the tail lamp.
- Ⓒ Plug the Lumen tail lamp wiring connector into the factory wiring harness. Be sure that the plug is fully seated; it should click into place.
- Ⓓ Before completing the install, perform a function test, by checking the tail lamp, brake lamp, reverse, and turn signal lamp functions.
- Ⓔ Complete these steps for the lamp on the other side.

STEP 4: Installing the lumen tail lamp onto the vehicle's body.

- Ⓐ *NOTE! If your Lumen tail lamp was shipped with bolts and nuts in the inner mounting holes, remove and discard these. You will be REUSING the factory Philips screws which you removed earlier.*
- Ⓑ Install the tail lamp into its opening, being certain that the tabs on the tail lamp engage on the sheet metal.
- Ⓒ Using the Philips screws which were removed earlier, reinstall the screws to secure the tail lamp to the car's body.
- Ⓓ Complete these steps for the lamp on the other side.

