Instruction Manual

DENALI

DialDim™ Wiring Harness

Kawasaki KLR650

DNL.WHS.21900

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OUTFITTING GUIDE

Thank you for choosing DENALI

We know you would rather be riding your bike than wrenching on it, so we go the extra mile to make sure our instructions are clear and as easy to understand as possible. If you have any questions, comments, or suggestions don't hesitate to give our experts a call at 401.360.2550 or visit WWW.DENALIELECTRONICS.COM

Please Read Before Installing

DENALI products should always be installed by a qualified motorcycle technician. If you are unsure of your ability to properly install a product, please have the product installed by your local motorcycle dealer. DENALI takes no responsibility for damages caused by improper installation. **Caution:** When installing electronics it is extremely important to pay close attention to how wires are routed, especially when mounting products to the front fender, front fork, or fairing of your motorcycle. Always be sure to turn the handlebars fully left, fully right, and fully compress the suspension to ensure the wires will not bind and have enough slack for your motorcycle to operate properly.

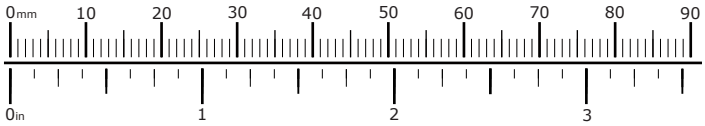
Installation Tips

We strongly recommend using medium strength liquid thread locker on all screws and bolts. It is also important to ensure that all hardware is tightened to the proper torque specifications as listed in your owner's manual. For included accessory hardware please refer to the default torque specifications provided below. Inspect all hardware after the first 30 miles to ensure that proper torque specifications are maintained.

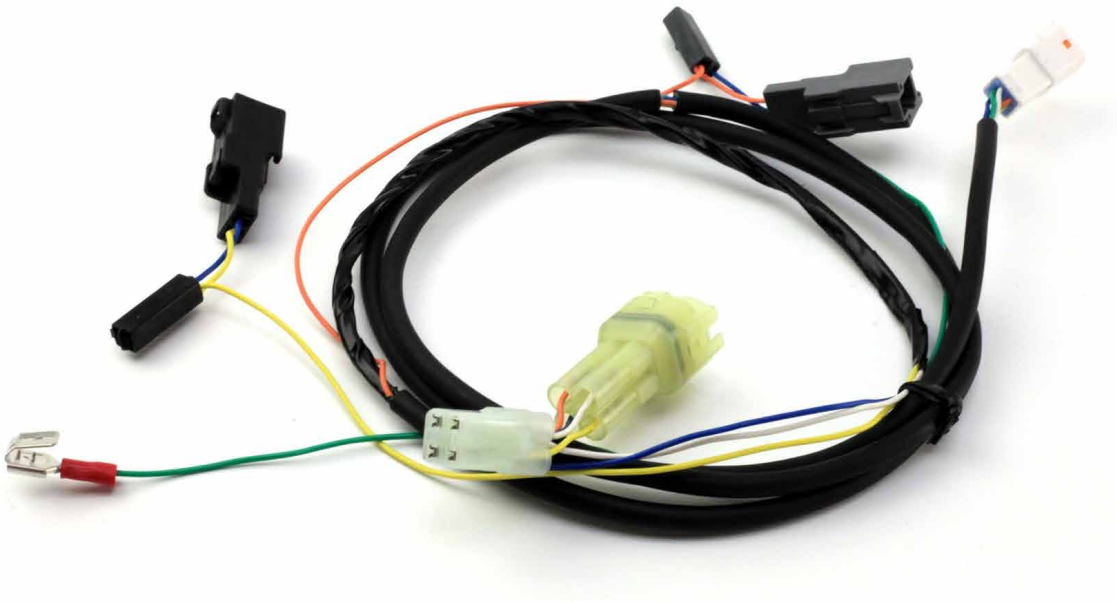
Bolt Size	in-lbs	ft-lbs	Nm
M3	10.0 in-lbs	-	1.0 Nm
M4	23.0 in-lbs	-	2.5 Nm
M5	44.5 in-lbs	3.5 ft-lbs	5.0 Nm
M6	78.0 in-lbs	6.5 ft-lbs	9.0 Nm
M8	-	13.5 ft-lbs	18.0 Nm
M10	-	30.0 ft-lbs	41.0 Nm
M12	-	52.0 ft-lbs	71.0 Nm

Hardware Sizing Guide

Not sure what size bolt you have? Use this ruler to measure screws, bolts, spacers, etc. Remember, the length of a screw or bolt is measured from the start of the "mounting surface" to the end of the screw, so only include the screw head when measuring countersunk screws.

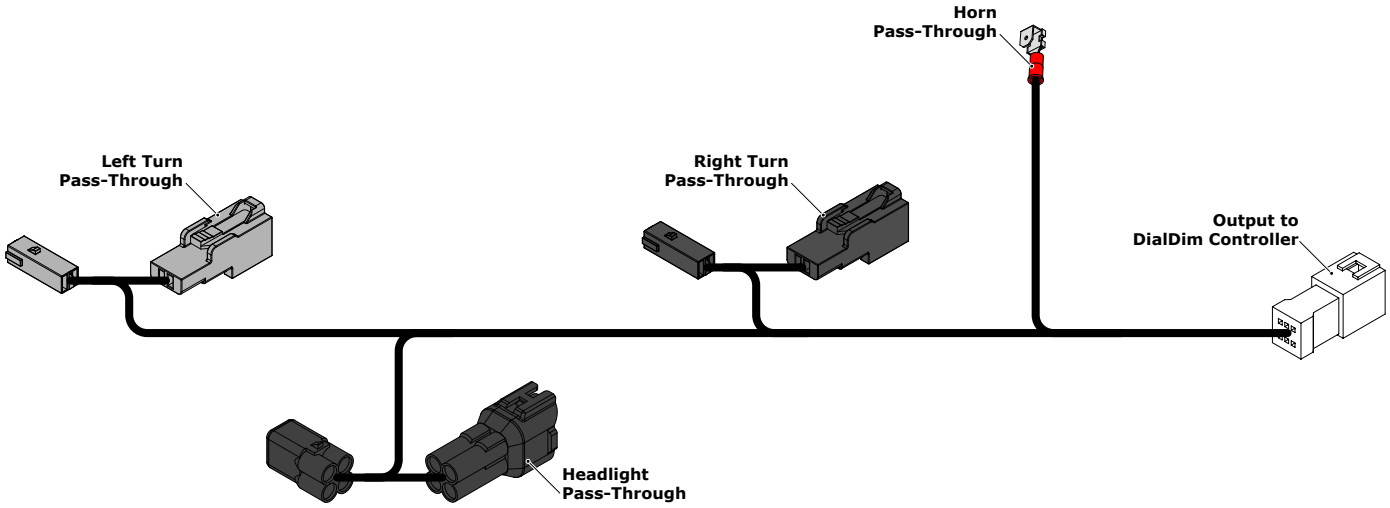


What's In The Box?



(a) DialDim™ Wiring Harness.....Qty 1

1. Harness Overview



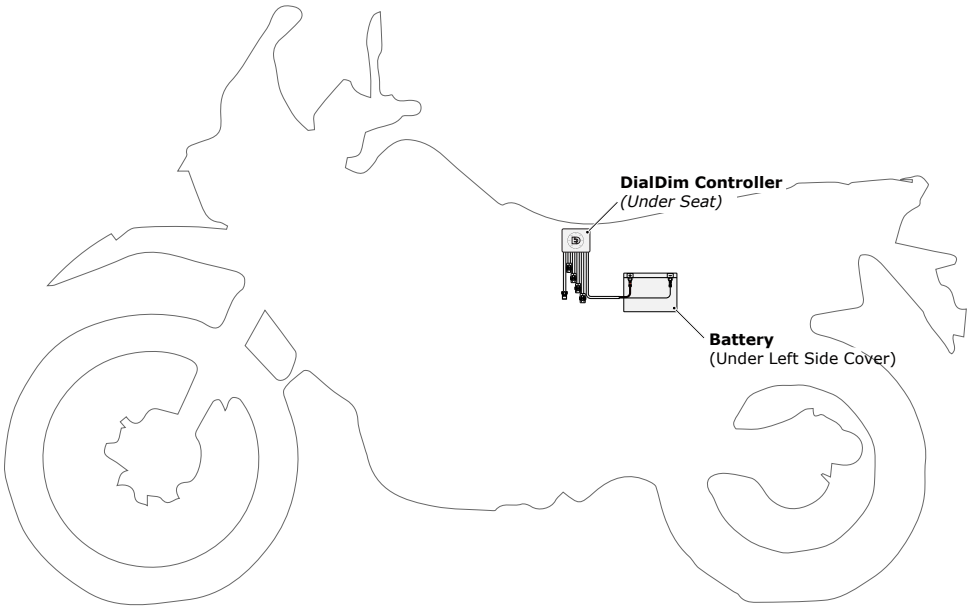
1.1 - Overview of Harness

This DialDim Wiring Harness enables plug-&-play connection between our standard DialDim Lighting Controller and the Kawasaki KLR650. The harness replaces the universal posi-tap style input harness that is included with the universal DialDim Controller, enabling you to simply connect in-line at the factory headlight, horn, and turn signal connectors.

For a detailed overview of the installation, including an in depth wiring overview video, visit the link below:

WWW.DENALIELECTRONICS.COM/OUTFITTINGGUIDE/KLR

2. Installing The DialDim Controller



2.1 - Locating the Battery

The KLR650's battery is located towards the rear, underneath the left hand side cover of the motorcycle.

Step One: To gain access to the battery, remove the left hand side cover by removing the factory bolts, washers and collars from the cover. Pull the cover outwards and towards the rear of the motorcycle to remove.

Step Two: Remove both of the terminals from the battery, starting with the positive **+** *(Red Terminal)*.

2.2 - Positioning The Controller

The DialDim Controller will be positioned towards the rear of the motorcycle, under the passengers area of the seat.

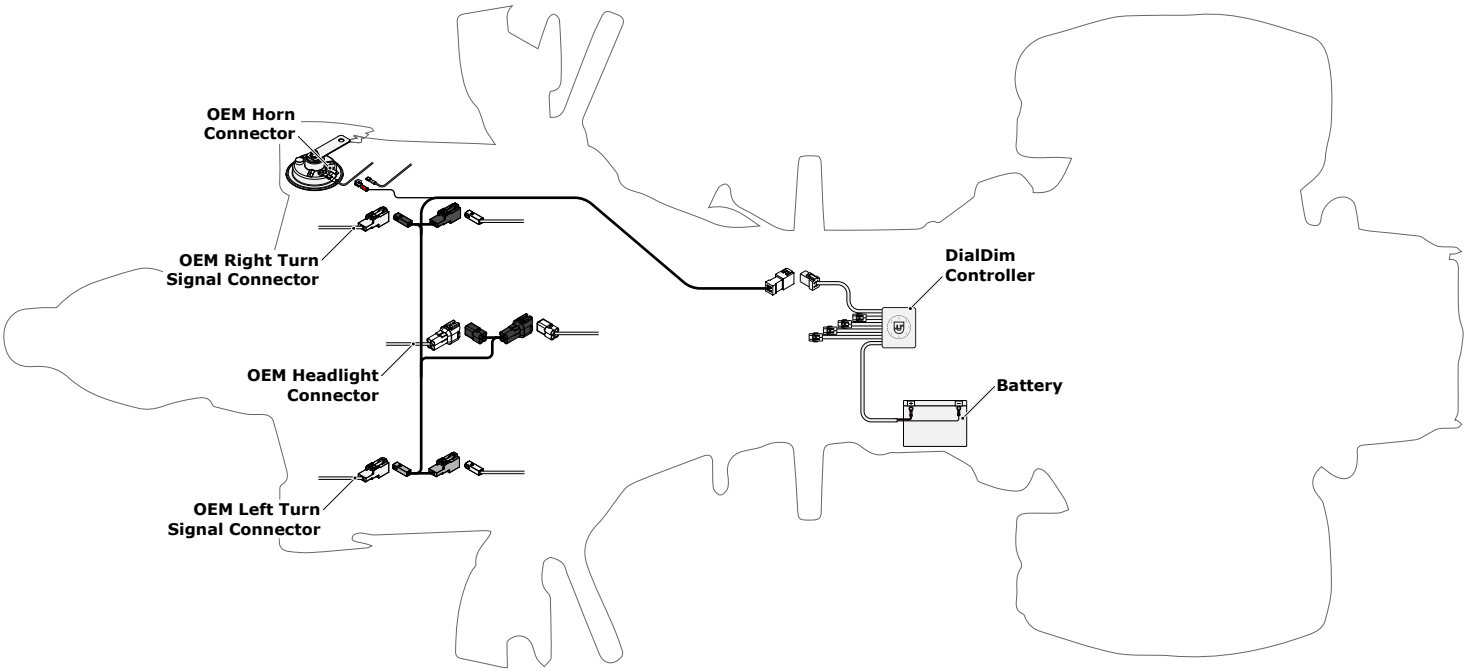
Step Three: Remove the seat by removing the two bolts, collars and dampers from either side of the motorcycle. Lift up the rear part of the seat and pull towards the back of the motorcycle to remove.

Step Four: Position the DialDim Controller underneath the passengers area of the seat and begin routing the battery leads towards the battery.

Step Five: Remove the fuse from the DialDim fuse holder, then connect both of the battery leads to the battery, starting with the ground **-** (Black Terminal). Then re-install the fuse to the DialDim Fuse holder.

Step Six: Use double-stick tape and/or zip-ties to securely mount the DialDim Controller to the splash guard. Be sure there is enough clearance for the seat to be re-installed.

3. Installing The DialDim Harness



3.1 - Locating Connectors & Installing the Harness

The KLR650 DialDim Harness will be connected in-line to the four following factory harness connectors: *Headlight, Right Turn Signal, Left Turn Signal & Horn*

Step One: To gain access to the connectors, remove the left and right hand side fairings. There are six bolts on the outside, and three plastic screws on the inside edge of each fairing.

Step Two: The headlight connector of the KLR650 is located on the back of the factory headlight housing, it is a black 6-pin connector. Disconnect the factory headlight connector, then connect the "Headlight Pass-Through Connector" of the DialDim Harness in-line.

Step Three: The right turn signal connector is located inside the upper fairing, just behind the factory turn signal. It is a black 2-pin connector, you will find it clipped onto a holding tab built into the fairing stay. Disconnect the factory turn signal connector, then connect the "Right Turn Pass-Through Connector" of the DialDim Harness in-line.

Step Four: The left turn signal connector is located inside the upper fairing, just behind the factory turn signal. It is a grey 2-pin connector, you will find it clipped onto a holding tab built into the fairing stay. Disconnect the factory turn signal connector, then connect the "Left Turn Pass-Through Connector" of the DialDim Harness in-line.

Step Five: The horn connector is located directly on the factory horn, which is located on the lower right side of the motorcycle, along side the coolant reservoir. Disconnect the factory horn connector with the RED wire then, connect the "Horn Pass-Through Connector" of the DialDim Harness in-line.