



DialDim™ Wiring Harness
 Harley-Davidson Pan America 1250
 DNL.WHS.21500



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.

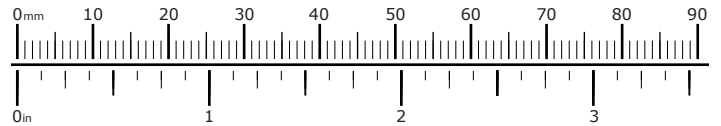
Installation Tips

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.

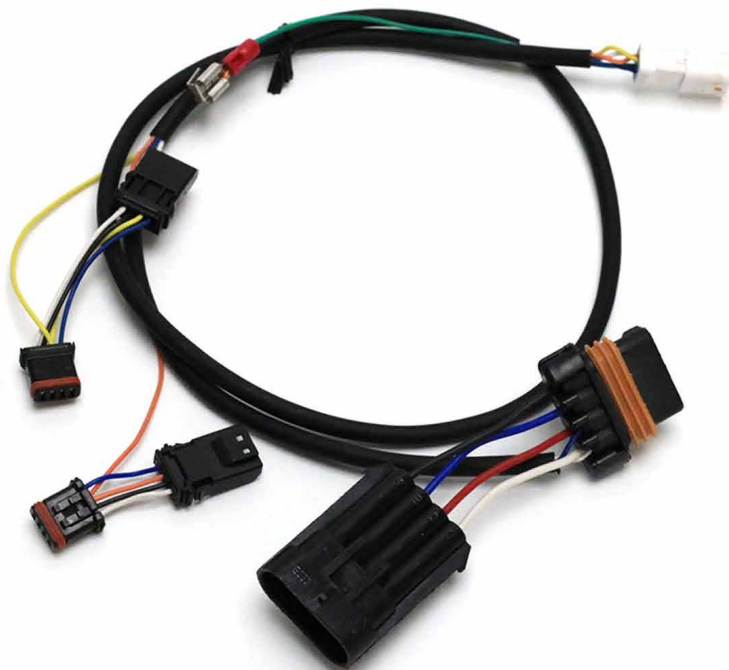
Bolt Size	in-lbs	ft-lbs	Nm
M3	10.0 in-lbs	-	1.0 Nm
M4	23.0 in-lbs	-	2.5 Nm
M5	44.5 in-lbs	3.5 ft-lbs	5.0 Nm
M6	78.0 in-lbs	6.5 ft-lbs	9.0 Nm
M8	-	13.5 ft-lbs	18.0 Nm
M10	-	30.0 ft-lbs	41.0 Nm
M12	-	52.0 ft-lbs	71.0 Nm

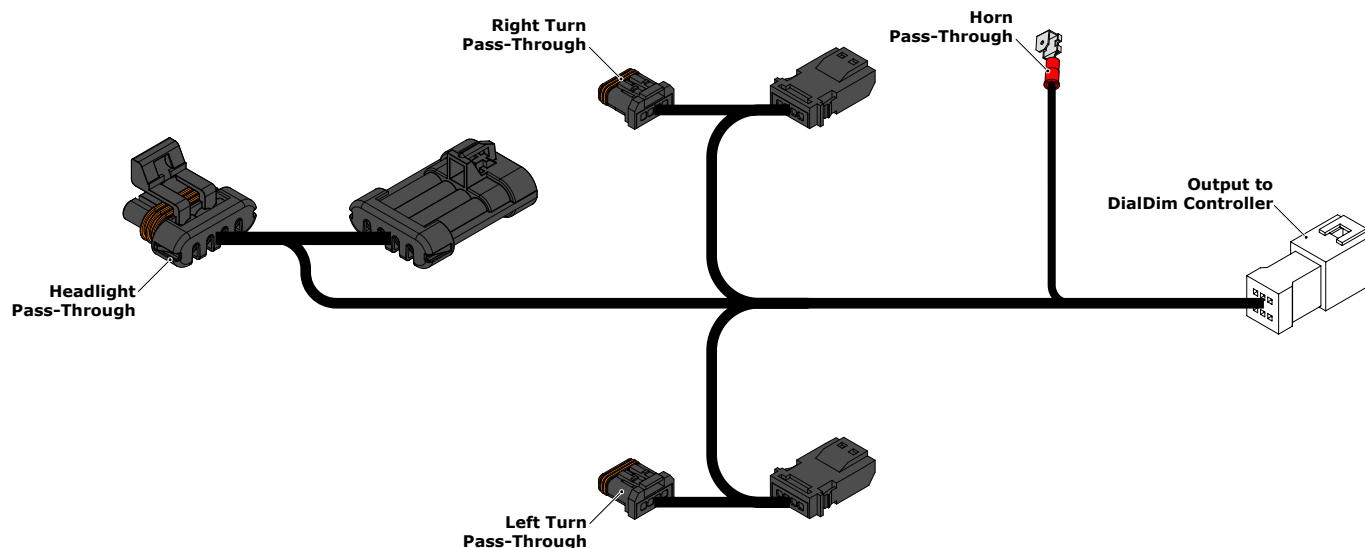
Hardware Sizing Guide

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?





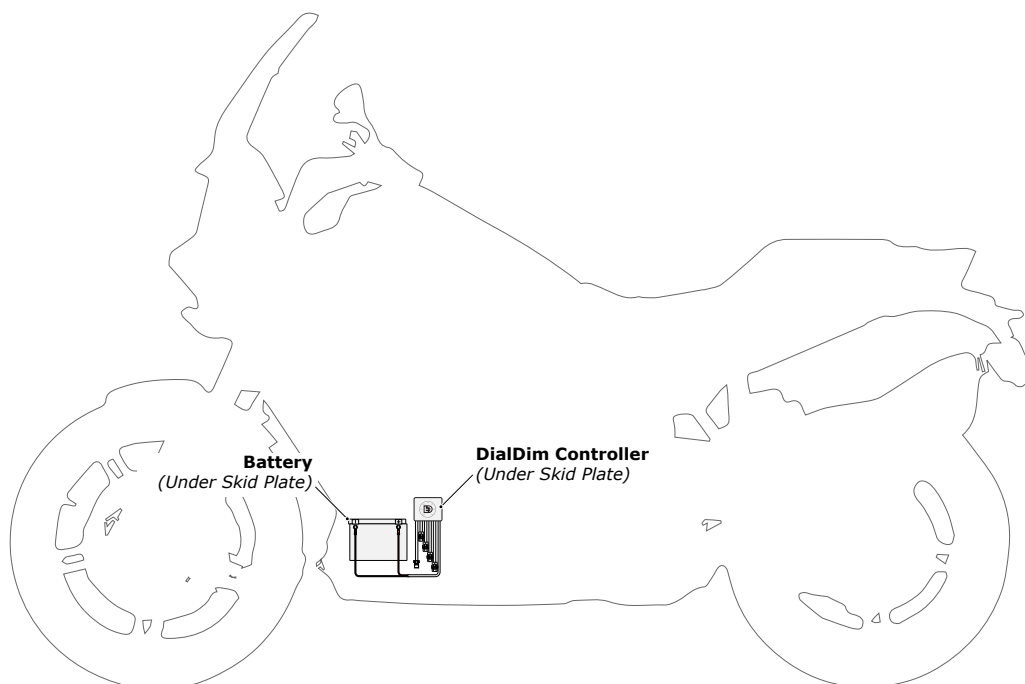
1.1 - Overview of Harness

This DialDim Wiring Harness enables plug-&-play connection between our standard DialDim Lighting Controller and the Harley-Davidson Pan America 1250. 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/PANAM

2. Installing The DialDim Controller



2.1 - Locating The Battery

The Pan America 1250's battery is located within the skid plate on the underside of the motorcycle.

Step One: To gain access to the battery, uninstall the skid plate by removing the bolts from the bottom and front side of the plate, there are six bolts in total.

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

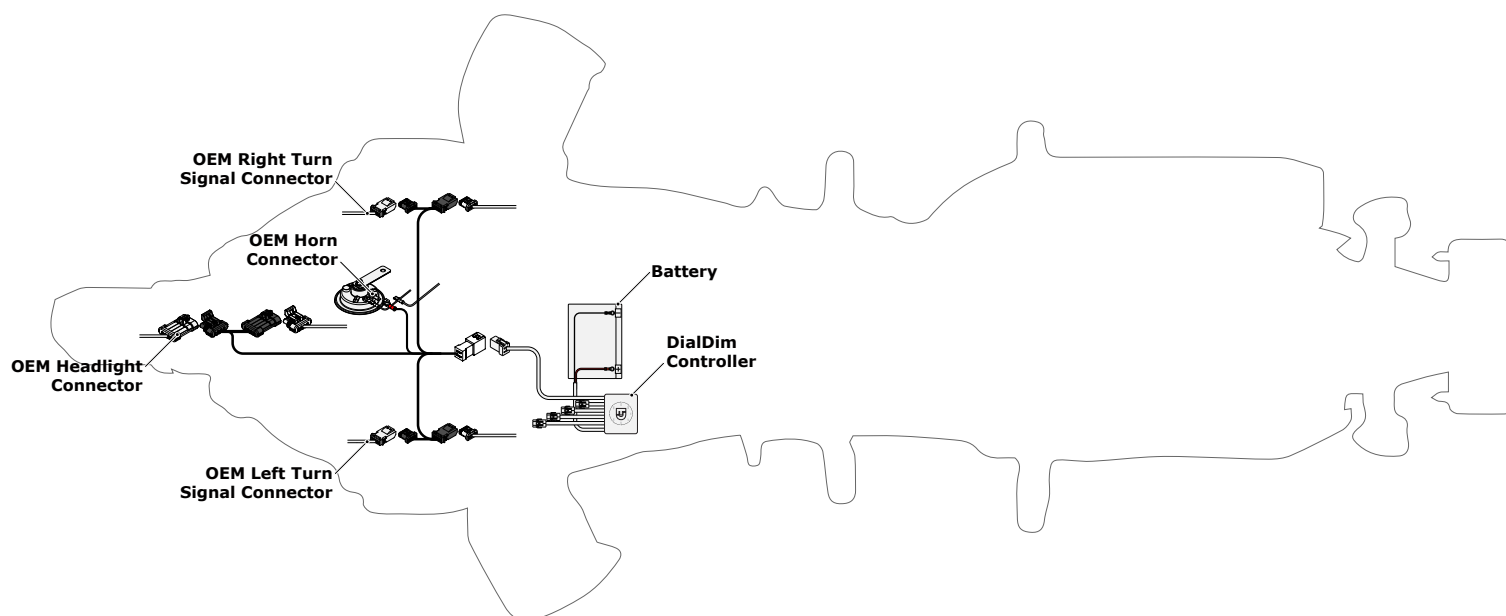
2.2 - Positioning The Controller

The DialDim Controller will be positioned next to the battery on the left hand side of the motorcycle.

Step Three: Position the DialDim Controller in the open space on the left hand side of the battery.

Step Four: 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 Five: Use double-stick tape and/or zip-ties to securely mount the DialDim Controller between the battery and frame. Be sure there is enough clearance for the skid plate to be re-installed.



3.1 - Locating Connectors & Installing the Harness

The Pan America 1250 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 front fairing. The fairing removes without the need of any tools, simply grasp the panel and pull towards the front of the bike to release the panel from the four rubber grommets.

Step Two: The headlight connector of the Pan America is a black 4-pin connector, you will find it plugged directly into the rear of the factory headlight housing. 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 on the right side of the motorcycle, at the neck of the frame. It is a black 4-pin connector, you will find it pushed into a holder built into the frame. 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 on the left side of the motorcycle, at the neck of the frame. It is a grey 4-pin connector, you will find it pushed into a holder built into the frame. 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 right side of the motorcycle, just above the radiator. Disconnect the factory horn connector with the RED wire then, connect the "Horn Pass-Through Connector" of the DialDim Harness in-line.