

# Instruction Manual

Instruction Rev00



**Turn Signal Load Resistors**  
To replace original 21w signals  
(10 Ohm, 20W)  
DNL.WHS.12800

## 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.

## 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 forks, 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.

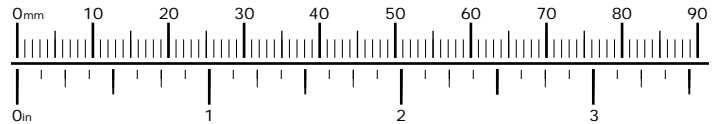
## Installation Tips

We strongly recommend using medium strength liquid thread locker on all screws, nuts, 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 proper torque specifications are maintained.

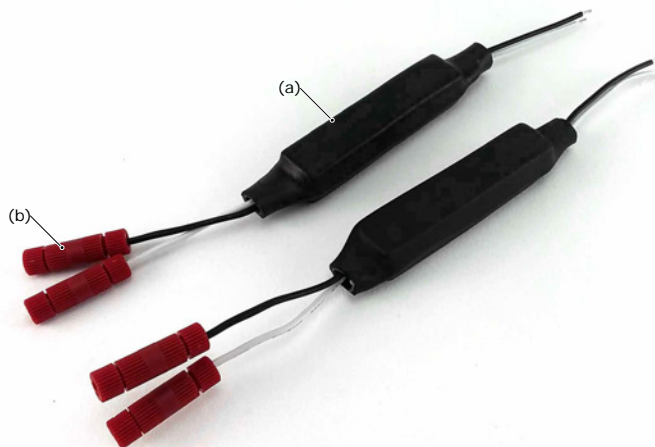
Bolt Size	in-lbs	ft-lbs	Nm
M3	10.0 in-lbs	-	1.0 Nm
M4	23.0 in-lbs	-	2.5 Nm
M5	44.5 in-lbs	3.5 ft-lbs	5.0 Nm
M6	78.0 in-lbs	6.5 ft-lbs	9.0 Nm
M8	-	13.5 ft-lbs	18.0 Nm
M10	-	30.0 ft-lbs	41.0 Nm
M12	-	52.0 ft-lbs	71.0 Nm

## 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?



## Kit Contents

- (a) 10 Ohm, 20 Watt Load Resistor.....Qty 2
- (b) Posi-Lock Connectors.....Qty 4

**Tools Required:** Wire Cutters/Strippers, Voltmeter

# 1. Turn Signal Load Resistor Wiring



## 1.1 - Installing The Resistors

Turn load resistors are necessary to prevent hyper flashing of the signals when swapping from incandescent to LED turns signals. You will need one resistor for each turn signal being installed to the motorcycle.

**Step One:** Identify the Positive (+) and Negative (-) factory turn signal wires coming from the Motorcycle. Use the chart in Section 1.2 as a guide to identify the correct wires or simply trace the wires back from the turn signals.

**Step Two:** Remove the factory turn signal connector from the end of the wires and use the included Posi-Lock Connectors to attach the resistor to the wires.

- The White wire from the resistor should be connected to the motorcycles Positive (+) turn signal wire.

- The Black wire from the resistor should be connected to the motorcycles Negative (-) turn signal wire.

**Step Three:** Connect the DENALI Flush Mount Micro Turn Signal wires to the other end of the resistor. The white wire from the signal connects the white wire from the resistor. The black wire from the signal connects to the black wire from the resistor.

## 1.2 - Common Motorcycle Turn Signal Wire Colors

**Note:** This listing is meant to be a guide, always check the circuit using a voltmeter before connecting the turns signals to the motorcycle.

### BMW

- Left Turn Signal - Blue w/ Red Stripe
- Right Turn Signal - Blue w/ Black Stripe

### Harley Davidson

- Left Turn Signal - Violet
- Right Turn Signal - Brown

### Honda

- Left Turn Signal - Orange
- Right Turn Signal - Light Blue

### Kawasaki

- Left Turn Signal - Green
- Right Turn Signal - Grey

### Suzuki

- Left Turn Signal - Black
- Right Turn Signal - Light Green

### Yamaha

- Left Turn Signal - Brown
- Right Turn Signal - Green