

# RIGHT WEIGH



## Installation Manual

### WIRING HARNESS KIT

FOR SINGLE OR TANDEM AXLE GROUPS | 225-SK

For additional support contact:

Smart Truck Solutions  
+61 418 622840  
[rightweigh.com.au](http://rightweigh.com.au)

# RIGHT WEIGH



Right Weigh, Inc.  
Hillsboro, Oregon USA

PP-003-0066 Revision A  
April 2020

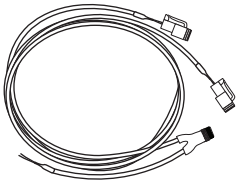
©2015-2020 Right Weigh, Inc. All rights reserved.

# PARTS INCLUDED

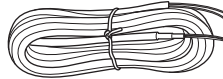


Before installation, the following parts should be properly installed onto the trailer:  
Exterior Digital Scale  
One or Two Strain Sensors

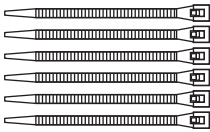
## PARTS INCLUDED:



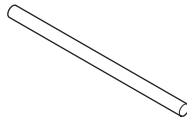
Strain Sensor Wiring Harness  
RW #EL-004-0025



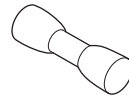
Extension Cable



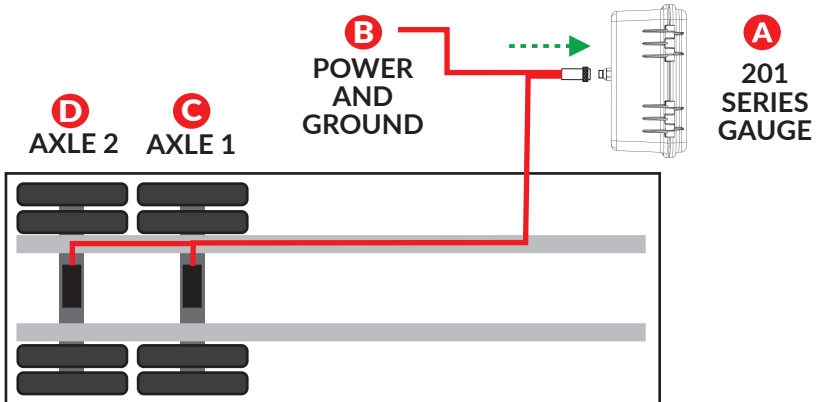
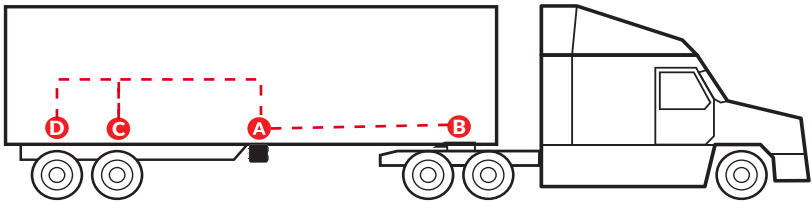
Zip Ties



Heat Shrink

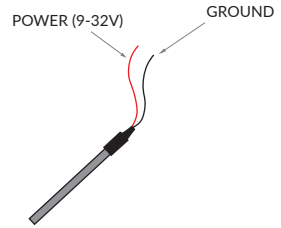


Butt Connectors



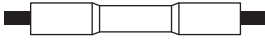
## CONNECTING TO POWER / GROUND:

The cable on the strain sensor wiring harness with no connector is used to power the scale and to transmit/receive vehicle data. Connect the **RED** wire to a switched positive (+) power source and the **BLACK** wire to chassis ground (-). There is an extension cable included to reach the proper power source. The required supply voltage must be between 9 and 32 volts DC.



**DO NOT** connect directly to a battery or any constant power source, gauge should be connected to a switched source so that it can be disconnected from power when not in use. Most users connect the power to vehicle marker lights.

It is very important that all wiring connections be made watertight. Connections that aren't water tight can cause corrosion in wiring and cause the scale to lose power.



**Crimp each end of the wire into the connector with a wire crimp tool (tool not provided).**

After crimping and heat shrinking



**With a heat gun or heat torch, heat the connector until it shrinks completely around each wire end. Make sure you do not burn the wire jacket.**

Add heat shrink



After heat shrinking



**After all connections have been made, heat shrink the entire group of splices so that it seals on the outer jacket of both cables.**

## DEUTSCH CONNECTORS:

Once the wiring harness and strain sensor(s) have been installed, connect the first Deutsch connector on the wiring harness to the Deutsch connector on the pickup coil from strain sensor A. For tandem axle groups, repeat for strain sensor B.



Thank you for choosing to drive more and scale less! Here at Right Weigh, we are committed to making our products simple to install and easy to use. We understand that installation can vary between vehicles and yours may not be described in this manual. In any event, our technical support team is ready to answer your questions!



+61 418 622840



leigh@rwlsau.com.au



rightweigh.com.au

## IMPORTANT!

Please read instructions **COMPLETELY** and thoroughly before installation. Right Weigh, Inc. is not responsible or liable for product failure or vehicle damage due to improper installation. The installation requirements are outlined in this manual and should be followed thoroughly to avoid inaccuracy or damage to the product.

It is also important to be aware of vehicle manufacturer policies before making modifications to the vehicle. Right Weigh, Inc. is not liable or responsible for issues regarding warranties with other manufacturers. This is the responsibility of the customer. If you are unsure about how these installation practices apply to your vehicle, please contact your vehicle or component manufacturer.

**FOLLOW US!**

