Installation Manual

WIRING HARNESS KIT

For Spring Suspension Single, Tandem, or Tri Axle Groups | 226-SK

THANK YOU FOR YOUR BUSINESS

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!

SCAN FOR ADDITIONAL RESOURCES

rightweigh.com.au/manuals-resources/

CONTACT US FOR ADDITIONAL SUPPORT

Smart Truck Solutions
+61 418 622840
rightweigh.com.au

RightWeighInc rightweigh_inc rwlsinc right-weigh-inc-

Right Weigh, Inc.
Hillsboro, Oregon USA

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POWER CONNECTION

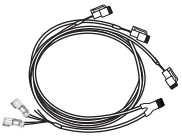
IMPORTANT!

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.

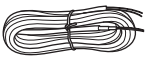
It is also important to be aware of vehicle manufacturer policies before making modifications to the vehicle. Right Weigh, Inc. is not liable or responsible for issues regarding warranties with other manufacturers. This is the responsibility of the customer. If you are unsure about how these installation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

PARTS INCLUDED:

1. Strain Sensor Wiring Kit
RW Part #EL-004-0064

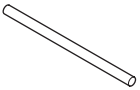


2. Power
Extension Cable

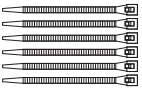


3. Butt Connectors

4. Heat Shrink



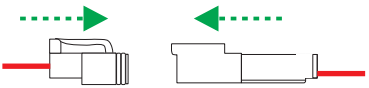
5. Zip Ties



STRAIN SENSOR CONNECTION:

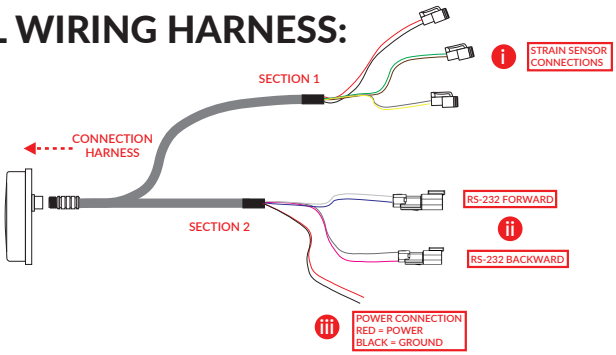
Plug the wiring harness connector labeled “SENSOR A” to strain sensor connector A. Refer to installation overview to identify which sensor is sensor A. Repeat for sensors B and C, if applicable.

Wiring Harness



Pickup Coil

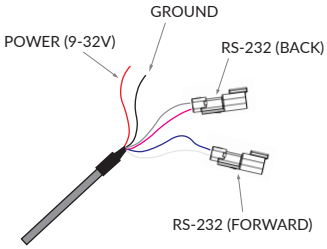
INSTALL WIRING HARNESS:



Insert the threaded male connector on the connection harness onto the female connector on the back of the scale. Make sure to orient the connector properly so that the small cutout on both connectors line up. Once the connector has been pressed in, thread the collar into the scale until it is hand tight.

SENSOR CONNECTION

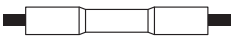
CONNECTING TO POWER & GROUND:



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.

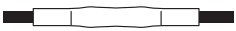
DO NOT connect directly to a battery or any constant power source, gauge should be connected to a switched source so that it can be disconnected from power when not in use. Most users connect to the vehicle marker lights or auxiliary wire from the 7-way.

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.

RS-232 CONNECTION (*OPTIONAL*):

This connection is for RS-232 communication (use is optional). Use the RS-232 connectors to connect the gauge to a telematics device that supports RS-232 communication. For more information about this feature, please contact Right Weigh technical support.