



Installation Manual

AIR LINE AND ELECTRICAL INSTALL KIT w/ Cut & Splice Tubing Tee Fittings | 205-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

RIGHT WEIGH



rightweigh.com.au/manuals-resources/

**CONTACT US FOR
ADDITIONAL SUPPORT**

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

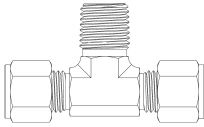


IMPORTANT!

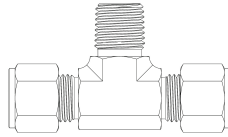
Please read instructions COMPLETELY and thoroughly before installation. Right Weigh, Inc. is not responsible or liable for product failure or vehicle damage due to improper installation. The installation requirements are outlined in this manual and should be followed thoroughly to avoid inaccuracy or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

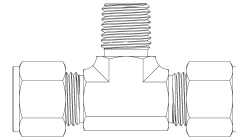
PARTS INCLUDED:



① 1/4" (6mm*)
Male Branch Tee



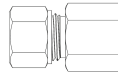
② 5/16" (8mm)
Male Branch Tee



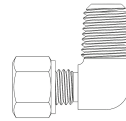
③ 3/8"
Male Branch Tee



④ 6mm Tube Ferrules



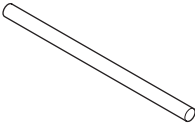
⑤ 1/4" Tube to
Female NPT



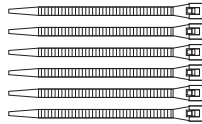
⑥ 1/4" Tube to
Male NPT Elbow
(For 310 Series Gauges)



*For 6mm applications, preinstalled tube ferrules must be swapped out with 6mm tube ferrules provided



⑦ 2 x Heat Shrink



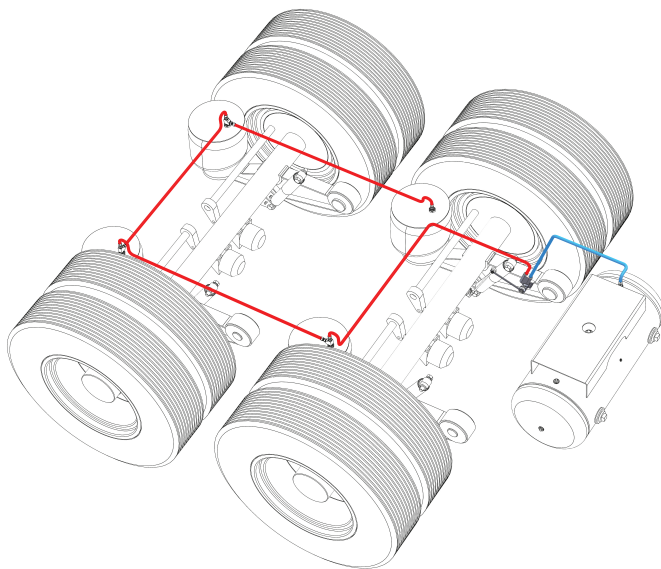
⑧ 30 x Zip Ties



⑨ 4 x Butt
Connectors

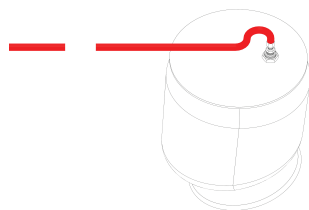


⑩ Power
Extension
Cable



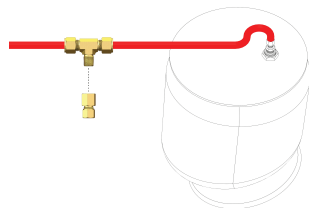
1 CUT EXISTING AIR LINE

Cut the air line going to one of the air bags in the suspension group to be monitored.



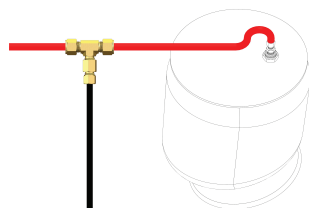
2 SELECT FITTING SIZE

Select the tee fitting that matches the size of the existing air line, then install the female NPT tube fitting onto the tee as shown. Use teflon tape or equivalent to seal threads, tighten securely.



3 INSTALL TEE FITTING

Insert the cut ends of the existing air line and the new 1/4" air line into the tee fitting assembly as shown. Tighten all three tube nuts securely.

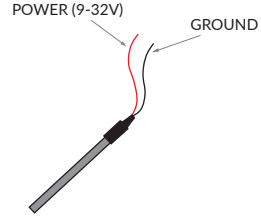


4 ROUTE NEW AIR LINE TO GAUGE

Route the new 1/4" air line from the tee fitting assembly to the gauge. Secure air line with included zip ties. For 310 series, use 1/4" tube to Male NPT elbow included in kit to connect air line to gauge. For all other Right Weigh gauges, use the tube fitting included with the gauge.

CONNECT TO POWER & GROUND:

Using the Power Extension Cable (2), connect the RED wire to the RED wire on the harness, Repeat for the BLACK wire. Connect the RED wire to a switched positive (+) power source and the BLACK wire to chassis ground (-). 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.

WATER PROOF HEAT SHRINK WIRE CONNECTION:

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.