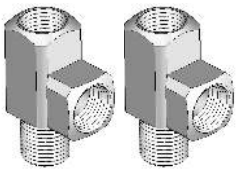
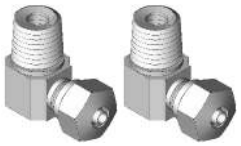
Fittings needed for installation:



Street Tee (x2):
Thread size to match vehicle air bag fittings.

Male Straight Airline Fitting (x2):
Tubing size to match the male elbow airline fitting.
Thread size to match the Street Tee.

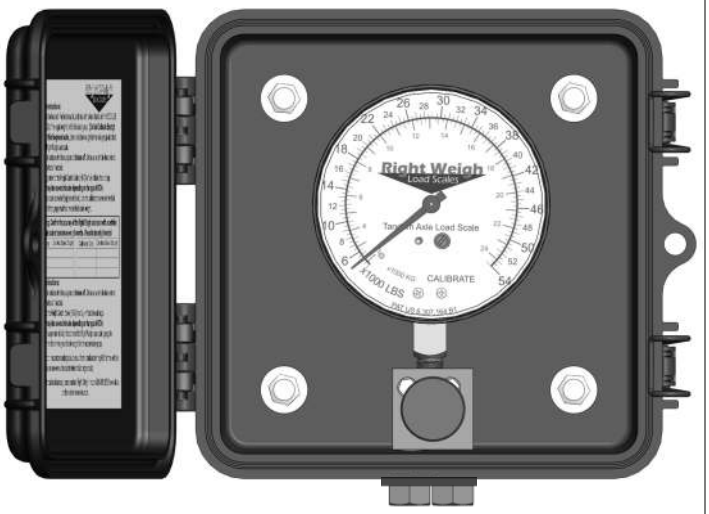


Male Elbow Airline Fitting (x2):
Tubing size to match the male straight airline fitting.
Thread size: 1/4 inch NPT to match the tread size of the connector fitting located at the bottom of the load scale box.

Right Weigh Load Scales

Exterior Load Scale
310 Series with M3 Valve

Designed for Suspensions with
Two Height Control Valves



Instruction Manual

Please read carefully before installation

Operating Instructions:

Step 1: Park on a level surface. Shift the transmission to neutral and set the parking brakes.

Step 2: Chock the wheels to prevent unexpected vehicle movement.

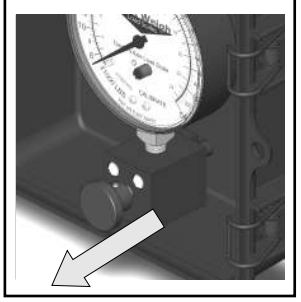
Step 3: Release the parking brakes.

Step 4: Make sure the Height Control Valves (HCV) have fully inflated the air bags. If needed, briefly dump the air from the suspension and allow the HCV's to refill the system.
(This may take several minutes depending on the type of HCV.)

Step 5: Pull the "push-pull" valve to switch the valve into the open position. (Fig. 1)

Step 6: View the load scale gauge to determine the on-the-ground axle group weight.

Fig. 1



Troubleshooting:

Erratic or inaccurate readings could result from the following:
1) The vehicle is NOT parked on a level surface. Parking on a sloped or banked surface will cause the vehicle weight distribution to shift between the axle groups.

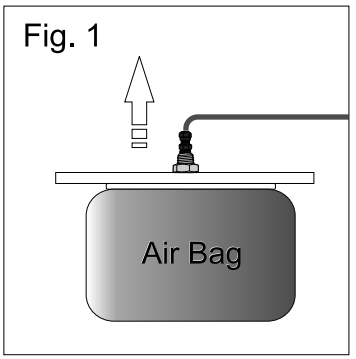
2) The vehicle's brakes are on. When the vehicle's brakes are set, they could potentially apply additional pressure or torque on the suspension air bags.

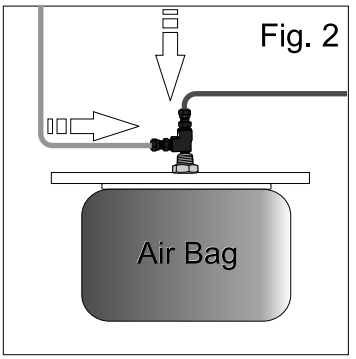
3) The vehicle is parked on an uneven or rough surface. If one or more of the vehicle's wheels are in a pothole, that could result in additional pressure or torque on the suspension air bags.

4) The height control valve (HCV) is malfunctioning and/or broken. To test for an HCV problem, follow steps 1 to 5 of the operating instructions (the trailer should be loaded). Write down the weight reading from the load scale. Then, drive the vehicle around the block and return to the same location. Follow steps 1 to 5 of the operating instructions again to get a second reading for the load scale. If the two readings are significantly different then the HCV might be malfunctioning and/or broken.

For additional installation support please call Right Weigh, Inc.
Toll Free: 1-888-818-2058 Online: www.rwls.com

Installation Instructions:





Step 1: Mount the 310 Series load scale gauge in a location that is easily accessible and safe from damage (posts, forklifts, tire caps, etc.).

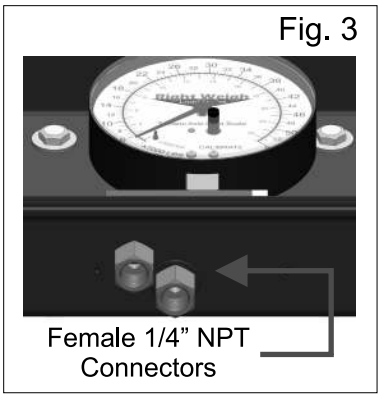
⚠ **Attention:** DO NOT mount the load scale box directly to the chassis or any other main beam unless it is approved by the truck or trailer manufacturer. Doing so may void your warranty with the vehicle manufacturer.

Step 2: Dump the air from the suspension system.

Step 3: Locate and remove the suspension airline from the top of the most easily accessible air bag connected to height control valve #1. (Fig. 1)

Step 4: Insert a Street Tee fitting into the top of the air bag. Reattach the suspension airline into the top of the Street Tee. (Fig. 2)

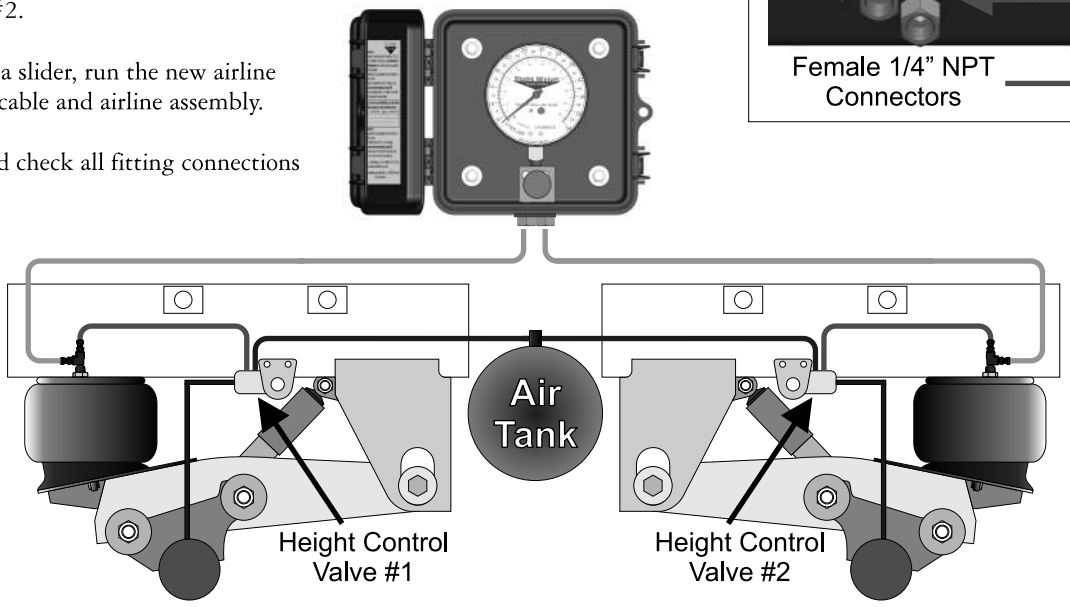
Step 5: Using approved fittings and airline tubing (not included), run a new airline from the Street Tee fitting to the bottom of the 310 Series load scale. Note: the fitting connectors located on the bottom of the load scale are female 1/4" NPT. (Fig. 3)



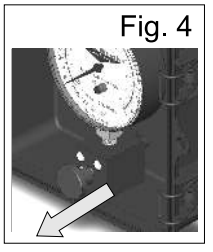
Step 6: Repeat steps 3 to 5 to run another airline from one of the air bags connected to height control valve #2.

⚠ **Note:** If the trailer suspension is on a slider, run the new airline along the same path as the existing cable and airline assembly.

Step 7: Air-up the suspension system and check all fitting connections for air leaks.



Calibration Instructions:



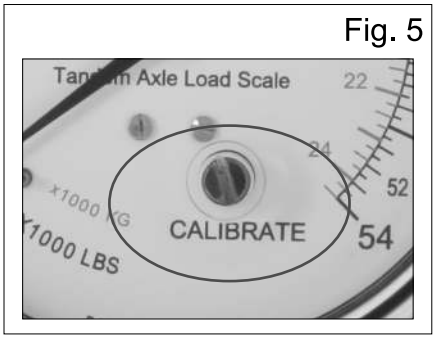
Step 1: The vehicle must be loaded. For best results, calibrate with a loaded weight that is within 650 KG of the legal limit for the axle group. **Do Not Calibrate Empty!**

Step 2: **Using a certified in-ground scale**, obtain a loaded weight for the axle group attached to the Right Weigh load scale.

Step 3: Park on a level surface. Shift the transmission to neutral and set the parking brakes.

Step 4: Chock the wheels to prevent unexpected vehicle movement.

Step 5: Release the parking brakes.



Step 6: Make sure the Height Control Valve (HCV) has fully inflated the air bags. If needed, briefly dump the air from the suspension and allow the HCV to refill the system.
(This may take several minutes depending on the type of HCV.)

Step 7: Pull the "push-pull" valve to switch the valve into the open position. (Fig. 4)

Step 8: Using a small flathead screwdriver, turn the calibration screw on the dial face until the gauge matches the certified scale weight. (Fig. 5)

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