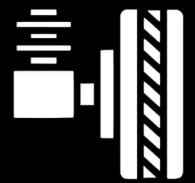


SMARTWEIGH

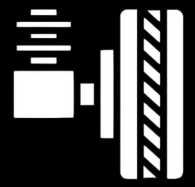
INTELLIGENT VEHICLE WEIGHING



8x4 spring suspension Load Monitoring System Installation



CONTACT US:  +44 (0)1603 485 153



3.....Bluetooth enabled load display

4.....Front Suspension EBT-277-A0 4T 8x4

5.....Rear Suspension Inverted EBT-277-A0 4T 8x4

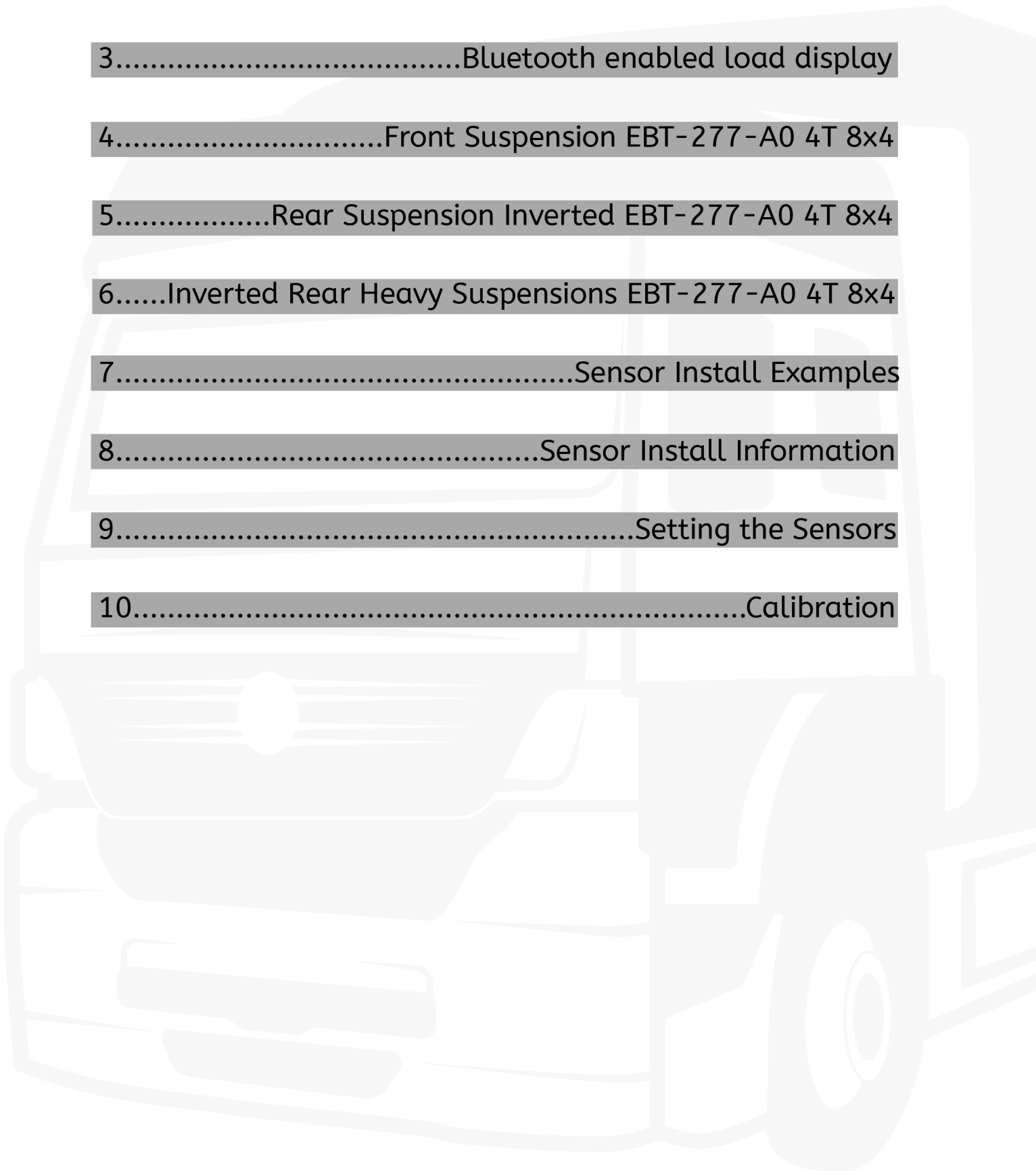
6.....Inverted Rear Heavy Suspensions EBT-277-A0 4T 8x4

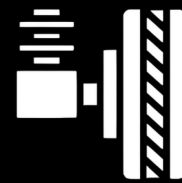
7.....Sensor Install Examples

8.....Sensor Install Information

9.....Setting the Sensors

10.....Calibration





Bluetooth enabled load display



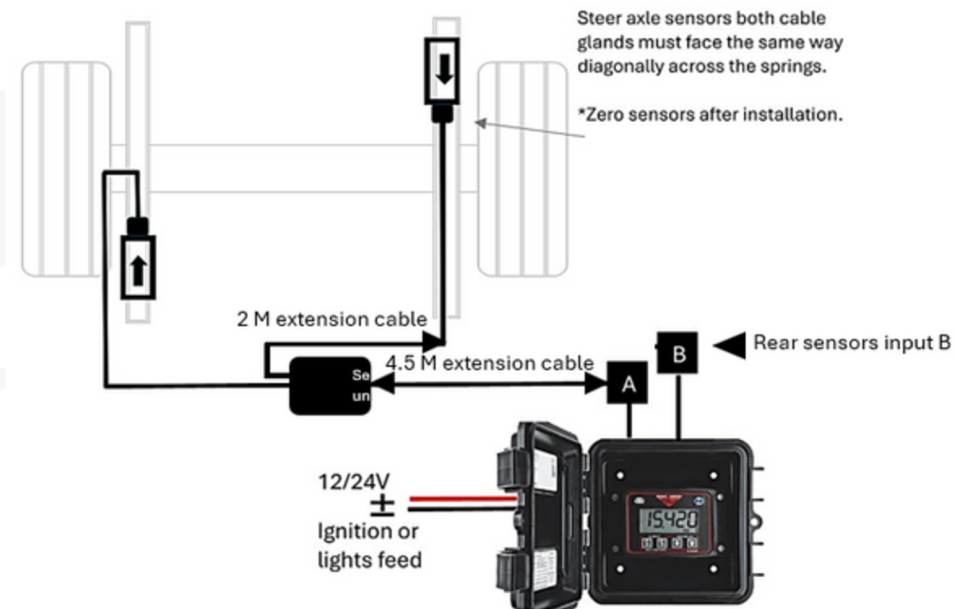
Choose a good accessible location to mount the system display using the bracket supplied with the kit.

Remember you will need to access the buttons to set up & calibrate.





Front Suspension EBT-277-A0 4T 8x4



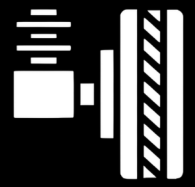
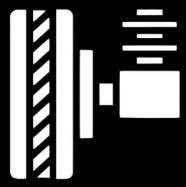
Clean sensor location before attaching to the suspension. Attaching is clean and precise using strong magnetic feet.



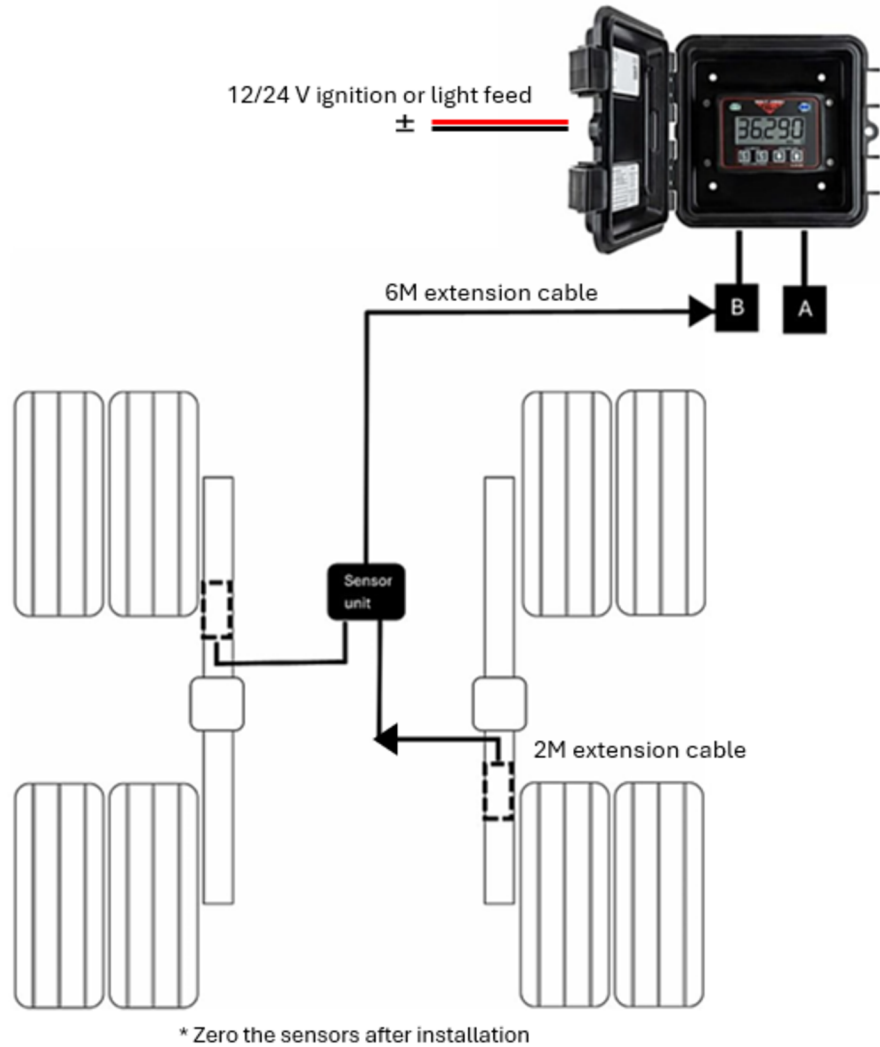
The sensor is easy to attach using the magnetic feet. You can also use a small optional blob of metal glue on the bottom of the feet added security.

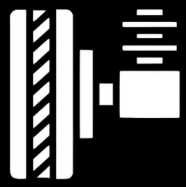


When the installation is complete and the system powered on the sensor indicator light shows that the sensors working.

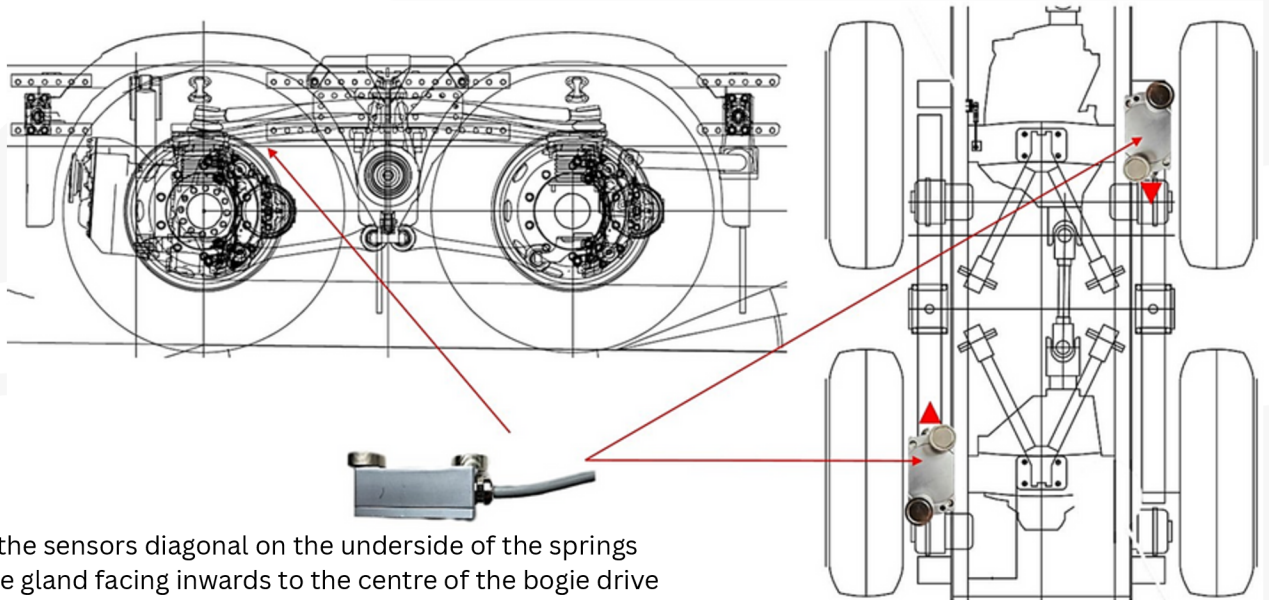


Rear Suspension Inverted EBT-277-A0 4T 8x4





Inverted Rear Heavy Suspensions EBT-277-A0 4T 8x4



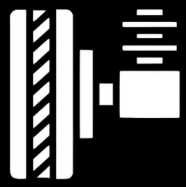
Mount the sensors diagonal on the underside of the springs with cable gland facing inwards to the centre of the bogie drive



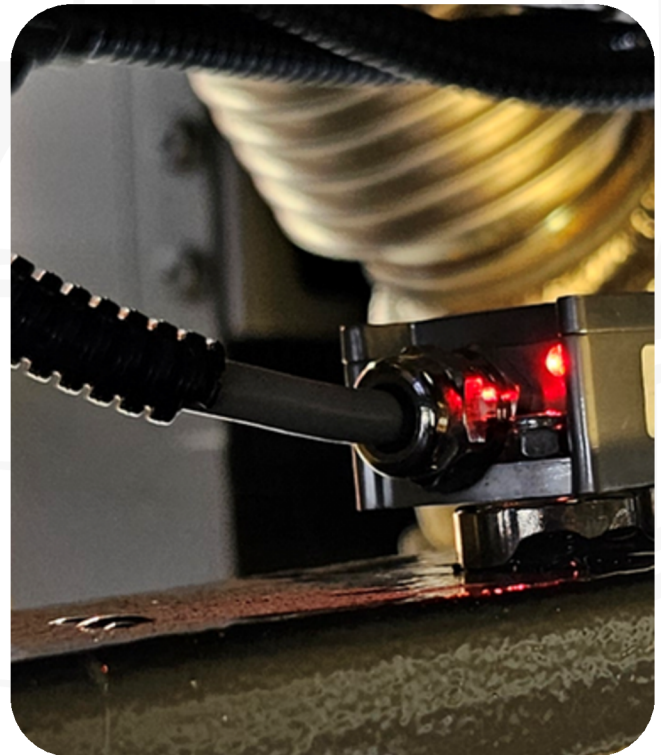
Clean the sensor location back to metal to ensure good grip.
Use a small amount of metal glue on the sensor feet for added grip.

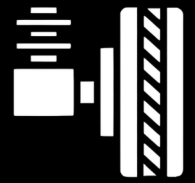
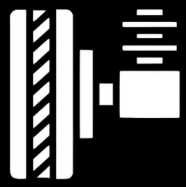


Connect the sensors to the sensor unit and connect to the sensor harness B. with the 6M extension cable.



Sensor Install Examples

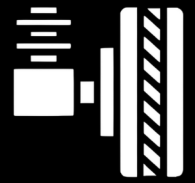




Sensor Install Information

- Always leave enough cable to move with the suspension.
- Protect cables from rubbing or sharp edges when routing.
- Ensure that the sensors can not come into contact with the vehicle at full compression of the suspension.





Setting the Sensors



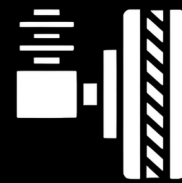
Zero Tool

Once the system is installed the sensors will need zeroing to their start point for best performance.

1. Unplug each sensor in turn from the loom and connect to the 9V zero tool .
2. Turn on the power and the sensor LED will illuminate , connect the Green wire pin to the sensor Grey wire, the LED should turn off then start to blink hold for 3 seconds then disconnect.

The sensor is now set. Insulate , tidy and secure the sensor Grey wire and reconnect to the loom.

*consider doing this action before finishing , routing and securing the cables



Calibration

Calibrate on a certified flat level weighbridge for accuracy.

This is a dual channel system which indicates front & rear loads to monitor load weight distribution and the & vehicle GROSS. The app will also display the Net weight. The digital gauge will display front, rear, & GROSS weight.

Calibration requires the empty front and rear axle weights entering (the tare weight) & then repeat with a full capacity load. This can be completed in any order loaded then empty or empty then loaded.

Follow the steps below to calibrate.

- 1 Drive steer axle bogie onto the weighbridge & record this weight



- 2 Drive forward or reverse onto the weighbridge leaving just the drive axle bogie on & record this weight





3



When calibrating the scale first press the blue menu button to select the correct axle group to calibrate

1 = The steer front axle & 2 = The rear axles this number appears in the bottom left corner of the screen. A 3rd press of the button displays the Gross weight (1 & 2 total weights)

4



To enter the weights: Press and hold C Low or C High for 3 seconds until you see CL or CH appear on the screen.

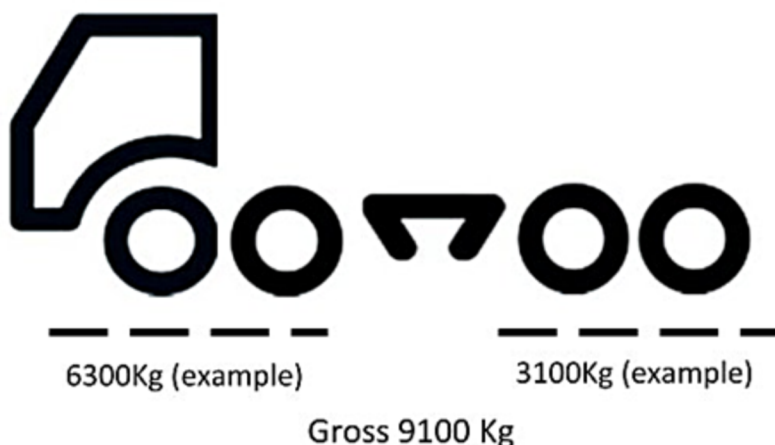
Now use button 2 (**LOW**) to enter the EMPTY axle weights.

Or button 1 (**HIGH**) to enter the LOADED axle weights.

5



Use the up and down keys 3 & 4 to adjust the digits up or down to enter the correct weight. When the correct weight is showing Press the C/L or C/H button again until the symbol disappears. The calibration is now stored.



From this example ow repeat steps 1 to 5 with a fully loaded vehicle at maximum load.

For best results weigh on firm level ground, System is for guide use only.