

Product Name: Electrical Boost Gauge
 Product Description: Electrical Boost Gauge 0 to 30 PSI
 Product Number: TS-0701-1011



IMPORTANT NOTES:

- Please thoroughly read and understand these instructions before commencing this installation.

RECOMMENDATIONS

- Turbosmart recommends that your Gauge is fitted and adjusted by an appropriately qualified technician
- Gauge mount cup (TS-0101-2024) Sold separately

HOW TO INSTALL YOUR BOOST GAUGE

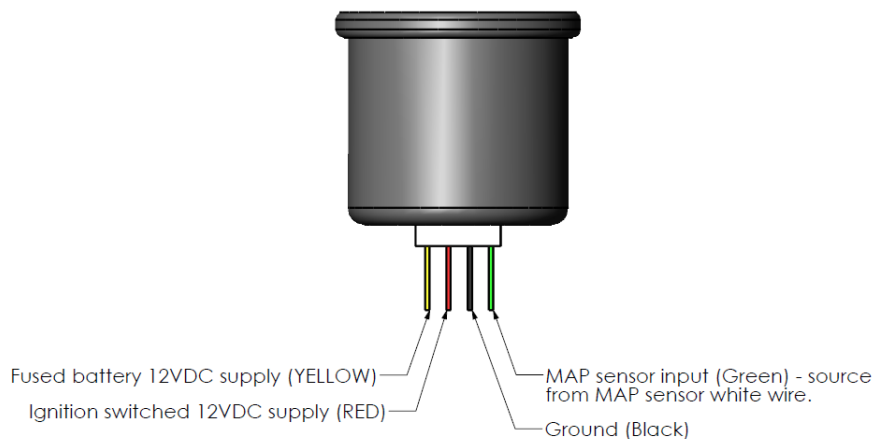
Manifold Air Pressure (MAP) Signal

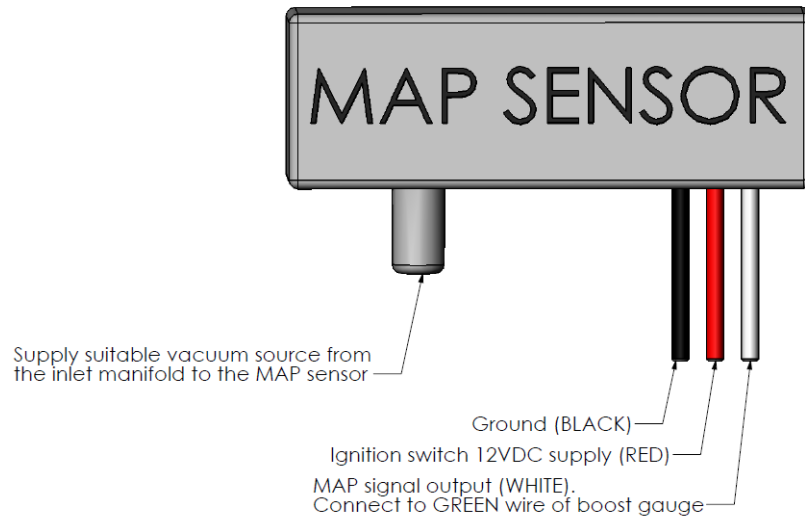
- The Boost gauge requires a suitable MAP signal from the intake manifold to function.
- Route the supplied poly-hose from the MAP sensor to signal source at the inlet manifold.
- MAP signal source is to be post the throttle body in order to read both vacuum and boost.
- Ensure the poly-tube is pressed all the way onto the barbs.
- If the MAP sensor is mounted inside the engine bay, ensure that it is placed at a location away from any significant heat source.

Wiring

- Both of the boost gauge and MAP sensor must be connected to the vehicle's ground (chassis or earth).
- Soldering or crimp on electrical connectors must be used on all electrical connections.
- Unused wires must be insulated with electrical tape in order to prevent unwanted electrical connections.
- Follow safe electrical operating practice.
- Refer to the table and diagrams below for further details

Component	Wire	Connect to
Gauge	Yellow	Fused +12VDC battery supply
Gauge	Red	Ignition switched +12VDC supply
Gauge	Black	Ground (Vehicle chassis or earth)
Gauge	Green	MAP sensor output (white wire from MAP sensor)
MAP Sensor	Red	Ignition switched +12VDC supply
MAP Sensor	Black	Ground (Vehicle chassis or earth)
MAP Sensor	White	Gauge sensor input (green wire from boost gauge)





Operation & Troubleshooting

- Once the electrical connections and MAP connection are completed, turn the car key to "on" position. The boost gauge will illuminate and the needle will be positioned at "0".
- Start the car and check for any leaks.
- The needle position will change relative to MAP pressure. If the needle does not move relative to MAP pressure, ensure that all electrical connections are correct and that the MAP signal is connected correctly.
- If the needle only moves to indicate positive pressure (boost), ensure that the MAP signal is connected to the inlet manifold at a location post the throttle body.
- If the display does not illuminate, ensure that the gauge electrical connections are correct.
- If the display illumination/operation is not switched with ignition, ensure that the red wire is connected to an ignition switched source not a constant +12VDC source.
- If the display needle is erratic, ensure that all electrical connections to the MAP sensor are correct. Also ensure that the vacuum hose has no leaks, kinks or splits.

The Turbosmart Pledge

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Turbosmart is a company built on Customer Satisfaction and Service. That is why all of our products go through regimented test procedures before they are packaged and shipped. Turbosmart stands behind its products for one full year after purchase. Terms of Warranty, Service and Returns are as follows:

Limited Warranty: Turbosmart warrants its products to be free from defects in material and workmanship under normal use and if properly installed for a period of one year from date of purchase. If found to be defective, it will be replaced or repaired if returned prepaid along with proof of date of purchase. This shall constitute the sole remedy of the purchaser and the sole liability of Turbosmart to the extent permitted by law, the foregoing is exclusive and in lieu of all other warranties or representations whether expressed or implied, including any implied warranty of merchantability or fitness. In no event shall Turbosmart be liable for special or consequential damages. This warranty is only valid on products purchased from Turbosmart Authorized Dealers.

Service: After the warranty period has expired, repair service is charged based on a minimum and maximum charge rate. (Contact Customer Service for current rate).

Returns: When returning a Turbosmart product for repair, it must be accompanied by a completed Customer Warranty Form and RMA number. To access this form please go to our website www.turbosmartonline.com and you will find it on the Downloads page.

THE TURBOSMART PLEDGE

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Turbosmart warrants the quality of the products it designs and manufactures to be free of defects in material and workmanship. This limited warranty is extended only to the original purchaser and may not be transferred or assigned. This limited warranty applies to any product, which after careful inspection by Turbosmart, after receipt of the product from our authorized reseller, is found to have a defect in either material or workmanship. Any modifications to the product will void any and all warranties and will not be exchanged. Before installation, check new car warranty. Turbosmart is not responsible for voiding any original manufactures warranty.

All warranty claims must be returned to the nearest Turbosmart Office, you must return the product and sales receipt, at your own expense, accompanied by the Customer Warranty Form stating the reason for the claim. Proof of purchase must be provided with any warranty claim and will be verified with the authorized reseller from which the product was purchased.

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Happy motoring!
The Turbosmart Team.