



MUSCLE 3 SERIES



DIESEL BOOST/VAC

Part No: SG32211
Part No: SG32213
2 inch-52mm

Installation Instructions

v20230508

Important notes before installing:

- Installing this product to your vehicle may require an adaptor. SAAS offer a large range of adaptors and installation parts; please check with your SAAS dealer for available adaptors.
- SAAS Muscle series gauges are designed for **12volt** systems **ONLY!**
- All installation work should be done by a qualified professional to avoid damage to this product.
- SAAS **RECOMMENDS** all products be tested prior to installation. This will save time and speed up the troubleshooting process if you encounter any issues.

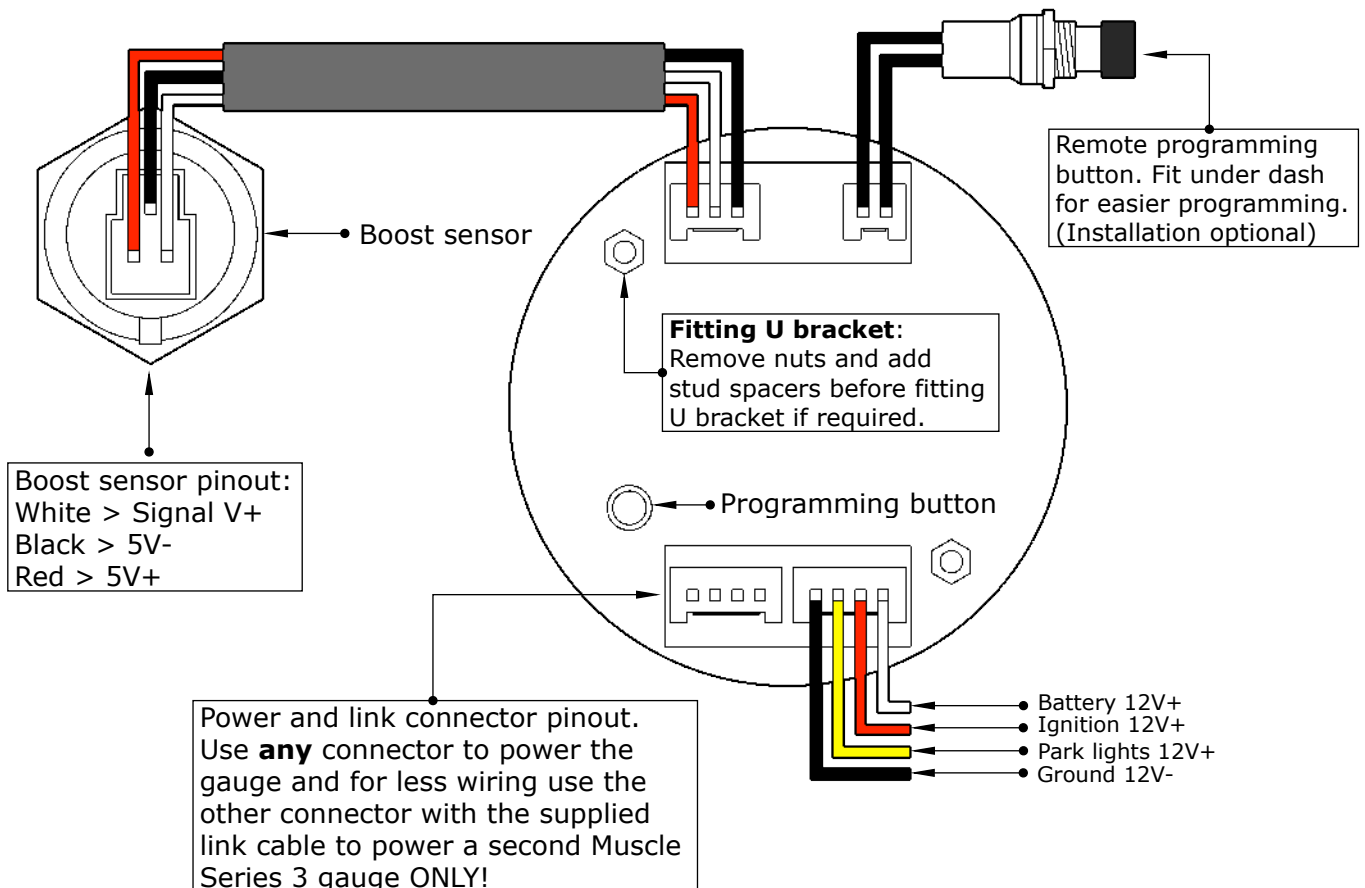
- **BEFORE** installing, please check our website (shopsaas.com) for the latest fitting instructions. If the top left corner (**v**) number is different to website, please use instructions from website.

Wiring Guide:

Wire colour	Wire Function	Wire Connection Location
Black	Ground 12V-	Vehicle body
Yellow	Park lights 12V+	Park light circuit (do NOT connect to a dimmer)
White	Battery 12V+	Ignition harness / Fuse box
Red	Ignition 12V+	Ignition harness / Fuse box

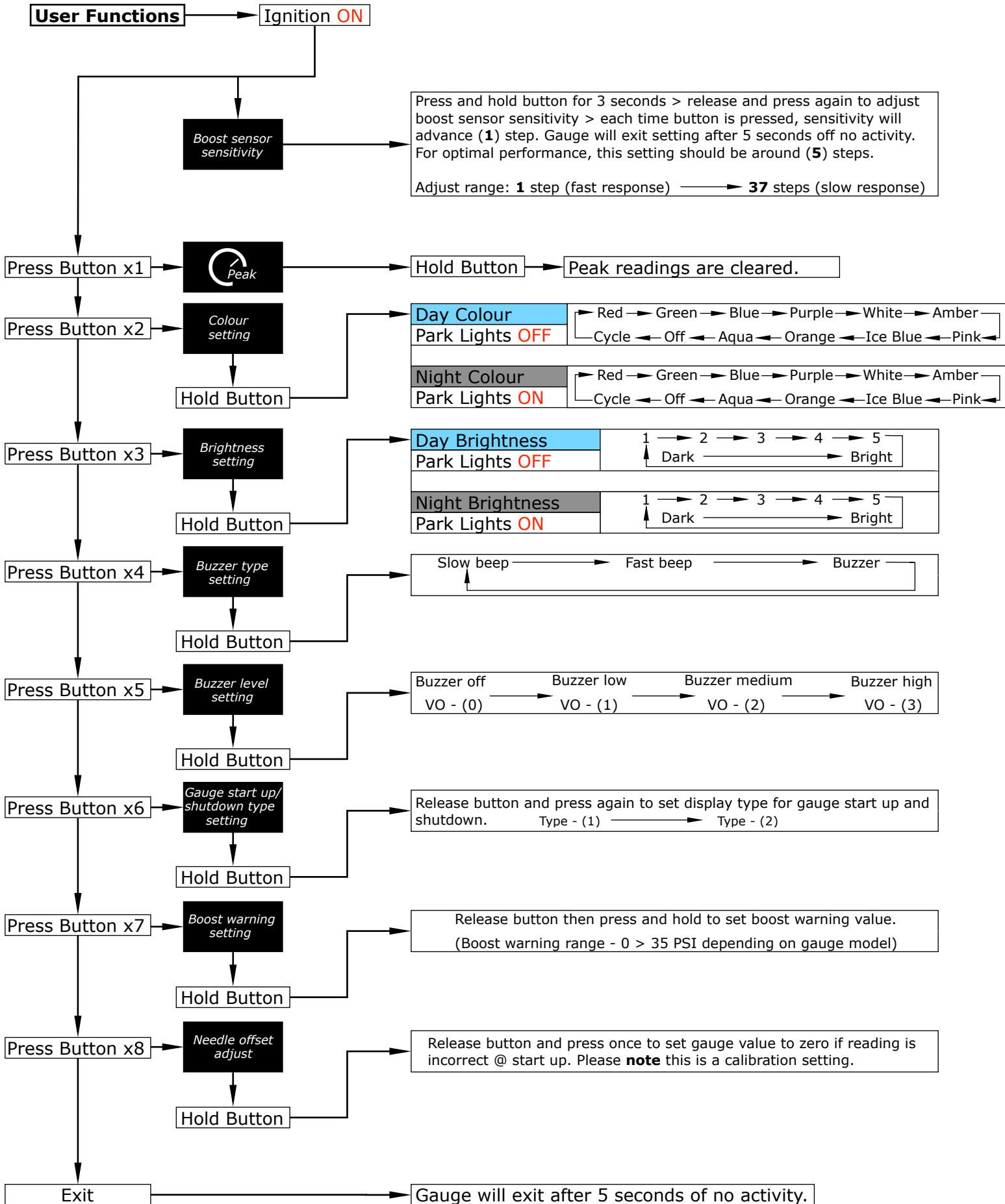
Wiring Diagram

Typical Layout



User Functions:

Note: Use the remote programming button or the button on the back of the gauge to set the below functions.



Press and hold button for 3 seconds > release and press again to adjust boost sensor sensitivity > each time button is pressed, sensitivity will advance (1) step. Gauge will exit setting after 5 seconds off no activity. For optimal performance, this setting should be around (5) steps.

Adjust range: 1 step (fast response) → 37 steps (slow response)

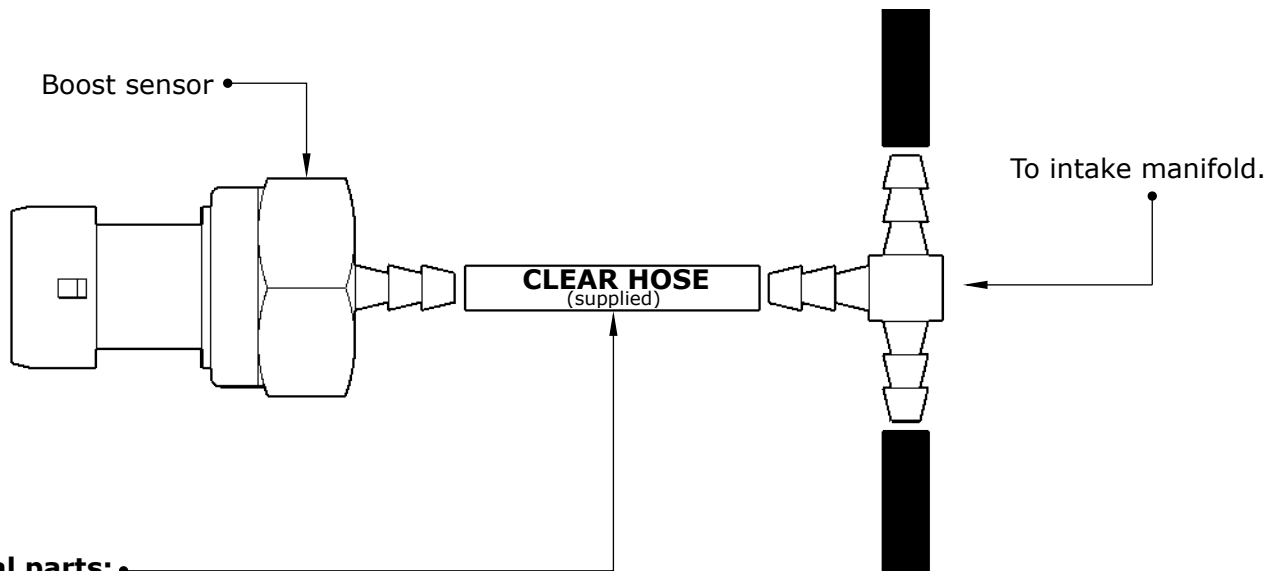
Boost Sensor Installation:

- Recommended sensor locations:

Connect the boost sensor to the intake manifold or intercooler piping **before** any factory sensors.

To secure the boost sensor, cable tie to a wiring loom away from extreme heat or mount the sensor inside the vehicle and run the hose through the firewall. (longer hose may be required)

The supplied tee fitting is used to splice into most vacuum lines but some vehicles may require optional parts like threaded barb adaptors or vehicle specific adaptors.



Optional parts:

Part# **SG21007** - 4 meter clear boost hose extension kit.

Part# **SSVH33MM** - 3 meter black silicone boost/vacuum hose. (Great for higher temperature applications and easier to work with)

GAUGE INFORMATION

Specifications

Gauge operating range	30 IN-Hg > 35 PSI (depending on gauge model)
Gauge operating voltage	8v > 18v
Boost sensor operating range	30 IN-Hg > 35 PSI
Boost sensor operating scale	0.37v > 1.5v, scale: 0.37v > 0 PSI , 1.125v > 30 PSI
Boost sensor cable length	3 metre
Gauge lighting type	10 colour LED with 5 levels of brightness
Gauge lighting colours	red - green - blue - purple - white - amber - pink - ice blue - orange - aqua - OFF - cycle mode
Gauge power harness length	1 metre
Gauge link harness length	300mm
Mounting depth required for gauge	45mm (minimum)
Total depth of gauge	50mm (including bezel)
Mounting hole size for gauge	52mm

For further assistance email: tech@saasautomotive.com.au

Troubleshooting:

Please note: If you are having problems with the installation of this product, please do not contact your retailer or SAAS until you have read **ALL** the troubleshooting notes below.

Problem	Possible Cause	Solution
-not reading boost	-sensor not plugged in correctly	-check connector on gauge and sensor
	-wrong boost location	-boost line must come from intake manifold before any factory sensors
	-damaged sensor	-test sensor using a multimeter, a good sensor should read: 0.37v @ 0 PSI or 0.75v @ 15 PSI
-gauge beeps and flashes randomly	-warning function activated	-adjust warning settings accordingly

Contents:

In The Box	Qty	Notes	Part No.
Boost gauge	1		
Boost sensor and 3 pin power harness	1		SG91004
Boost hose and plastic tee	1		SG21007
Remote programming button	1		SG4106
Gauge power connector	1		SG5100
Gauge link connector	1		SG9101
Mounting U bracket with studs, nuts and washers	1	(M4x0.7 thread)	SG61005
Fitting instructions	1		

Warranty Terms & Conditions:

SAAS Automotive Pty Ltd warrants this product against defects in factory workmanship and materials for a period of twelve (12) months from the date of original purchase. This warranty applies to the first retail purchaser, is non-transferable and covers only where the product has been subjected to normal use or service. Provision of this warranty shall not apply to any SAAS Automotive product that has been used for a purpose for which it is not designed, or which has been altered in any way that would be detrimental to the performance or life of the product, or misapplication, misuse, negligence or accident. Warranty claims to the manufacturer must be transportation prepaid and accompanied with dated proof of purchase. On any part or product found to be defective after examination by SAAS Automotive Pty Ltd, SAAS Automotive Pty Ltd will only repair or replace the merchandise through the original selling dealer or on a direct basis. SAAS Automotive Pty Ltd assumes no responsibility for diagnosis, removal and/or installation labour, loss of vehicle use, loss of time, inconvenience or any other consequential expenses. The warranties herein are in lieu of any other expressed or implied warranties, including any implied warranty of suitability, and any other obligation on the part of SAAS Automotive Pty Ltd, or the selling dealer.

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