

OIL TEMPERATURE DIGITAL

Installation Instructions

Part No: SG41221
2 inch-52mm

v20211101

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.

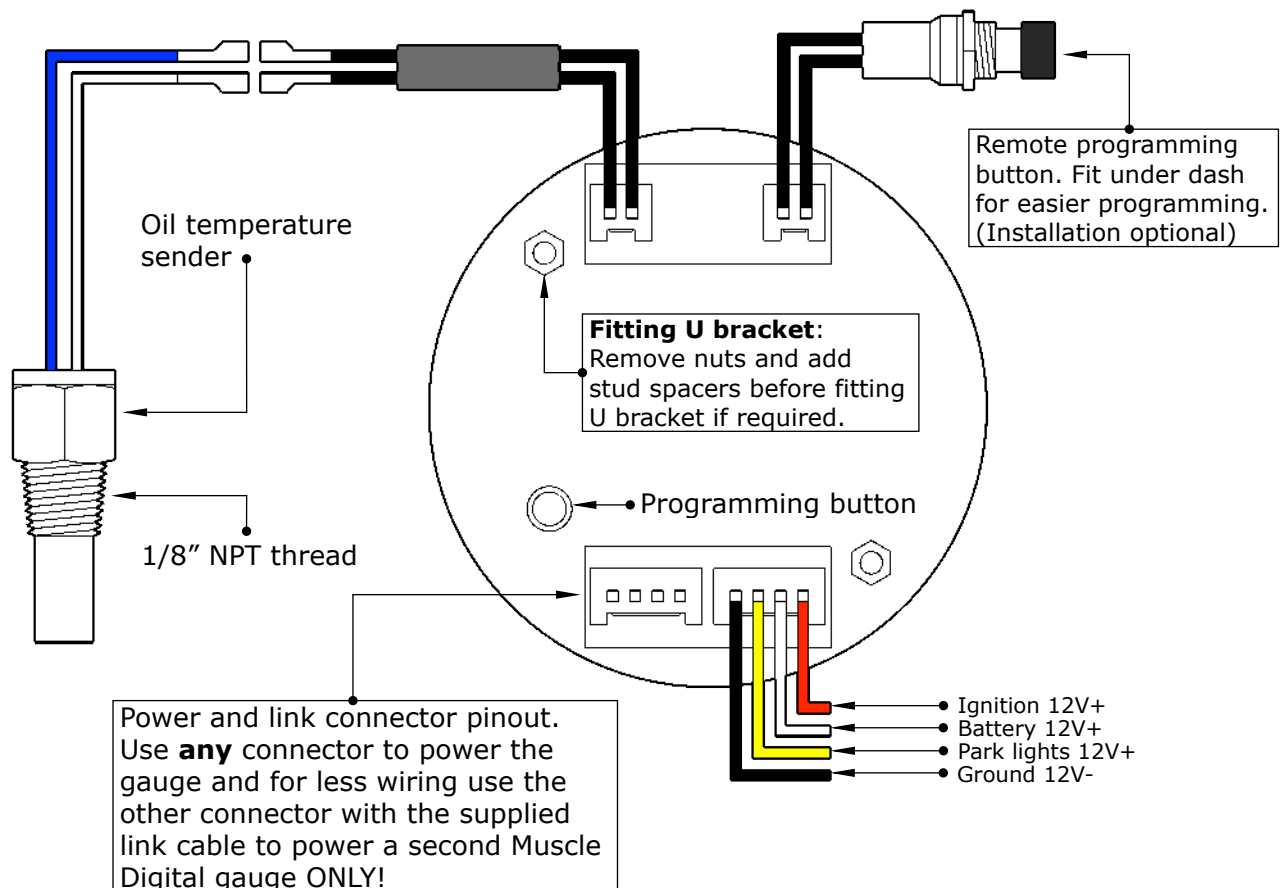
- **BEFORE** installing, please check our website (shopsaas.com) for the latest fitting instructions. If the top left corner (v) number is different to website, please use instructions from website.

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

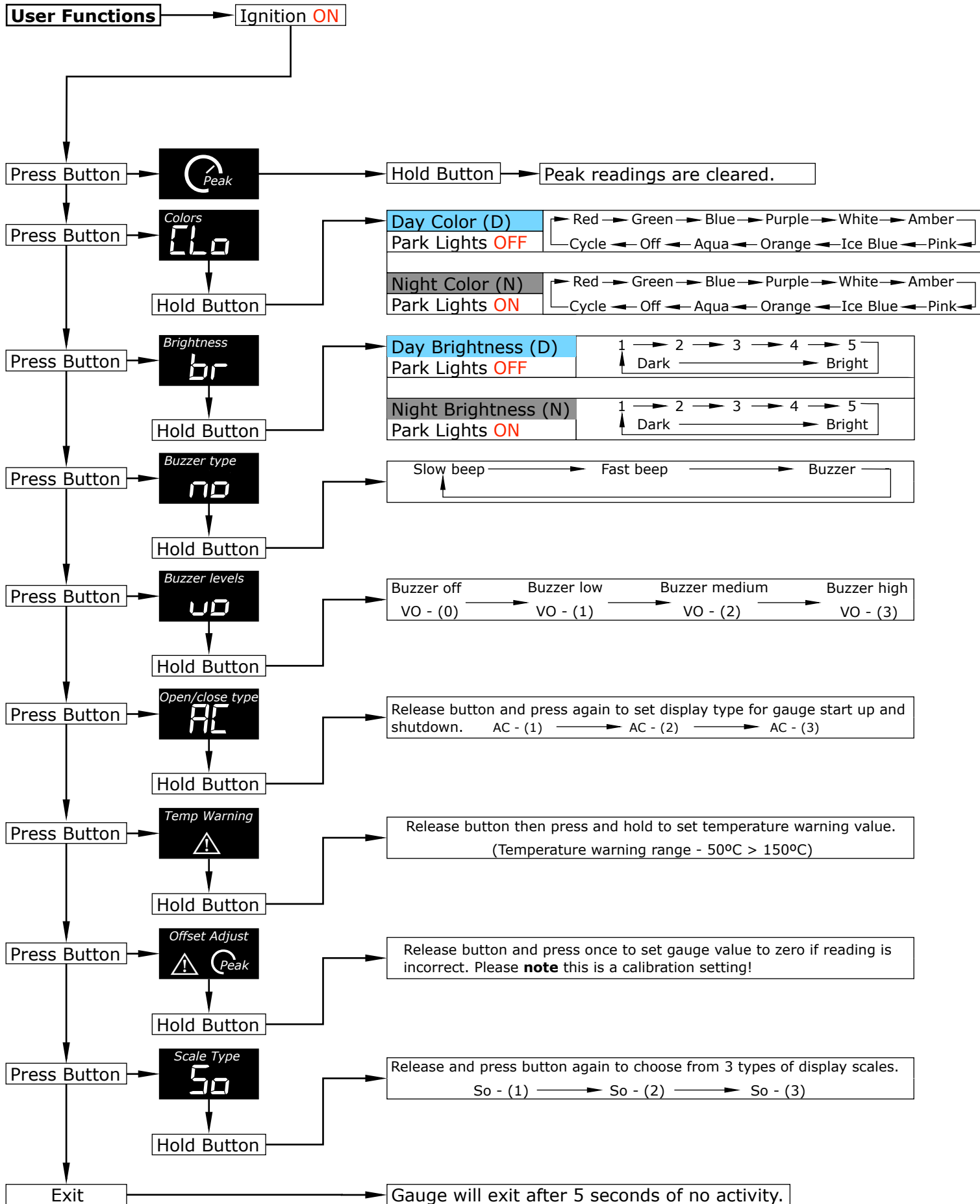
Wiring Diagram

Typical Layout



User Functions:

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



Oil Temp Sender Installation:

- **Recommended sensor locations:** Engine block, oil pump/filter housing, oil pan.

- **Fitting the oil temp sensor:**

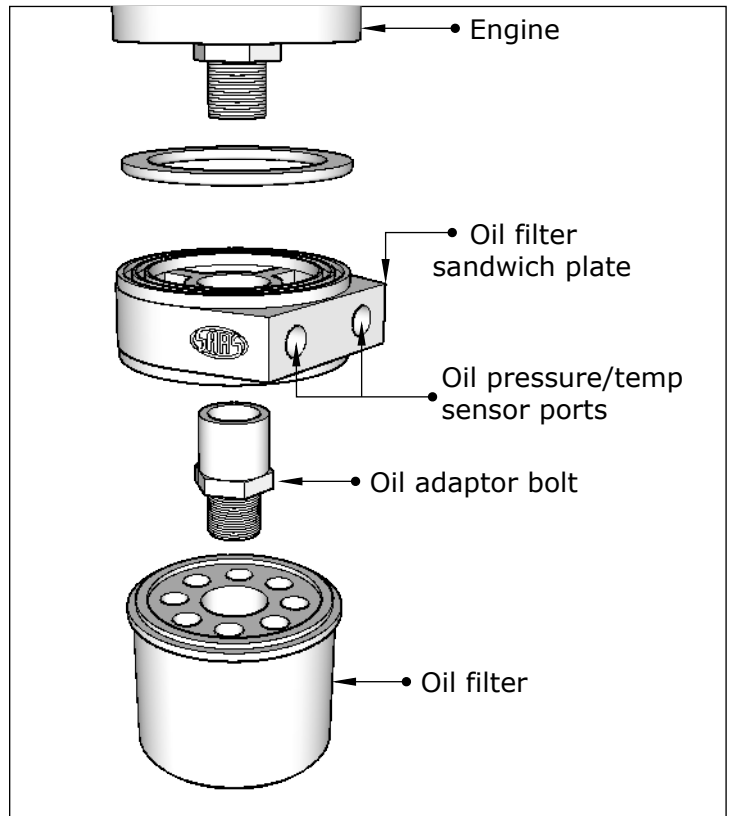
There are two ways to fit an oil temp sensor to your engine. One way is to use a oil filter sandwich plate and the other is to use a oil pan bung.

- **Oil filter sandwich plate:**

The diagram to the right shows how a sandwich plate is fitted, and in most cases, is the quickest to install. SAAS make's a range of adaptor plates to suit most oil filters. See our website or contact your local SAAS dealer for details.

- **Oil pan bung:** Part# SGA1007

Transmission/oil temp screw-in bung's are installed on a flat section of the oil pan wall and are much harder to fit due to the lack of space. Installing the bung will also require the oil pan to be removed.



GAUGE INFORMATION

Specifications

Gauge operating range	50°C > 150°C
Gauge operating voltage	8v > 18v
Oil temp sender ohms range	60KΩ > 0.9KΩ, scale: 50KΩ @ 21°C or 6.14KΩ @ 80°C
Oil temp sender thread size	1/8" NPT
Oil temp sender dimensions	total length 35mm
Oil temp sender wire length	2 metre wiring harness / 100mm on sender
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
-gauge beeps but no display	-incorrect wiring -display is set to (OFF)	-refer to fitting instructions -press button to change backlight colour
-oil reads (- - -) -readings jump around	-sender not plugged in -oil temp cable is too long or too thick -sender or cable damaged	-check connector on gauge and sender -use the supplied cable and only extend with the same thickness cable if needed -test sender using a multimeter, a good sender should read:50KΩ@room temp 21°C
-gauge beeps and flashes randomly	-warning function activated	-adjust warning settings accordingly

Contents:

In The Box	Qty	Notes	Part No.
Oil temperature gauge	1		
Oil temperature sender and 2 pin gauge harness	1		SG91001
Remote programming button	1		SG4106
Gauge power connector	1		SG9100
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.

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



SINCE 1954

SAAS Automotive PTY LTD
25 Metrolink Circuit West, Campbellfield,
Victoria 3061 Australia
ABN: 48166279670
ACN: 166279670
Phone: +61 3 9930 0100
Fax: +61 3 8339 2270
Email: tech@saasautomotive.com.au
Web: www.shopsaas.com