



GPS SPEED SENSOR

Installation Instructions

Part No: SG31650

v20200827

Important notes before installing:

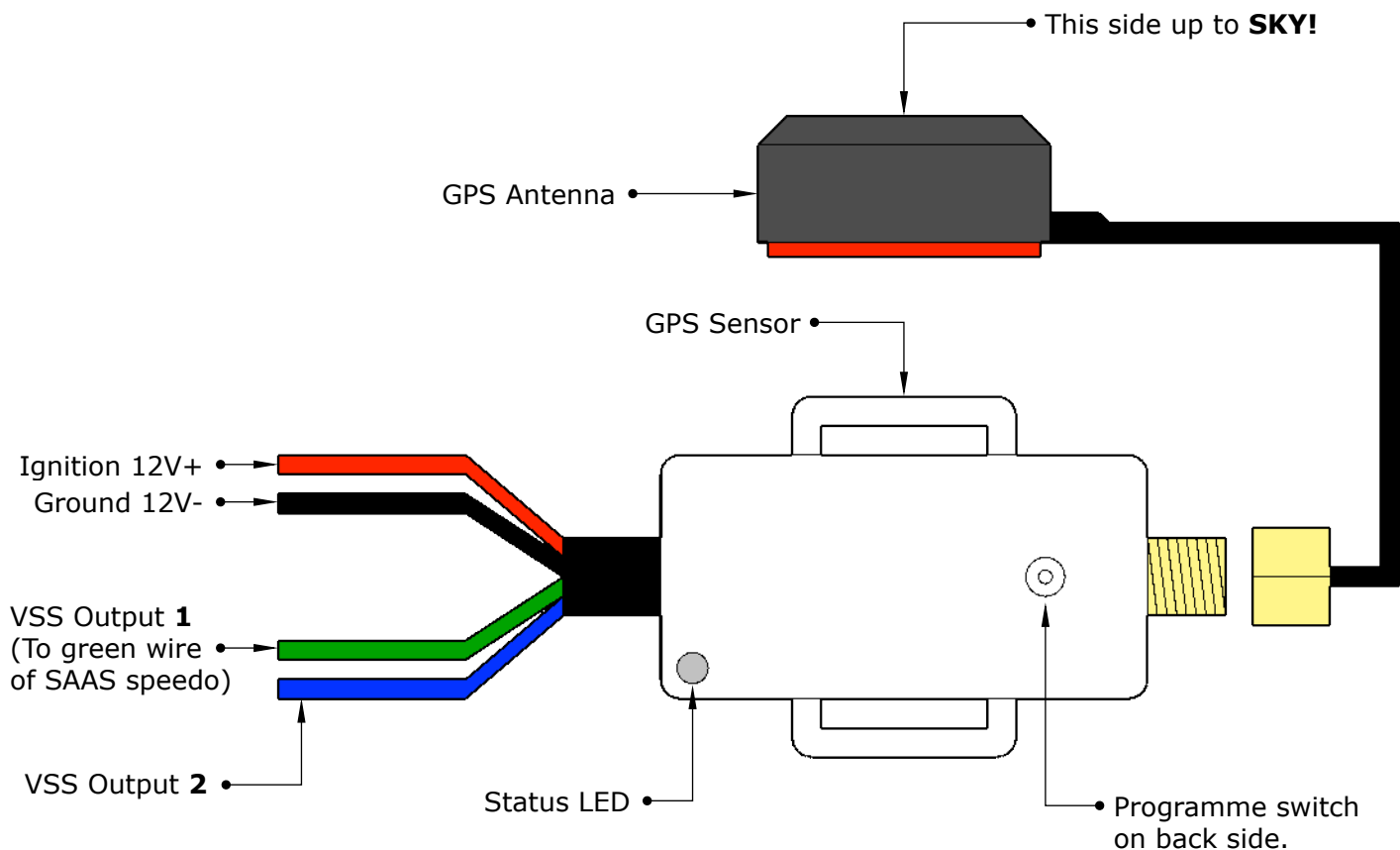
- All installation work should be done by a qualified professional to avoid damage to this product.
- SAAS **RECOMMENDS** all products be tested prior to installation. This will save time and speed up the troubleshooting process if you encounter any issues.

- **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
Red	Ignition 12V+	Ignition harness / Fuse box
Black	Ground 12V-	Vehicle body
Green	Speed sensor output 1	Connect to VSS input of speedometer, this will be the green wire on SAAS speedo - SG31632
Blue	Speed sensor output 2 (optional)	
		Can be used to run a second speedometer

Wiring Diagram Typical Layout



GPS Antenna:

- Mount the GPS antenna on top of the dash so it has a clear view of the sky. Do **not** mount it under any metal surfaces!
- Once sensor is powered the LED status light will turn on.
RED > searching for satellite.
Green > satellite found.
Green Flashing > generating VSS signal.

Speed Sensor Programming:

1. Turn ignition on.
2. Press programme button for 3 seconds and release. (use phone SIM card tool or similar)
3. Speedometer needle will move to 60km/h, if needle is out, press programme again and hold until needle is on 60km/h then release button.
4. Turn ignition off, programming done.

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
-no GPS signal -LED flashing RED	-antenna location	-move antenna to top of dash, antenna must have a clear view of sky
-no power	-bad connection -wrong wiring location	-check connections at both ends -refer to wiring diagram
-speedo reading out	-GPS unit not setup correctly	-program the GPS unit using the above method

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

GPS SENSOR INFORMATION

Specifications

Operating voltage range	DC 8V > 36V
Speed pulse range	1 > 50,000ppk
GPS antenna cable length	3 metres
GPS sensor cable length	1 metre
Power consumption	25mA Max
Acquisition times	First power up: 30s > 40s, temporary power loss: 10s > 15s
Speed range	1 km/h > 300 km/h
Altitude limit	18000m
Accuracy	~0.02% deviation

Contents:

In The Box	Qty	Notes	Part No.
GPS sensor	1		
GPS antenna	1		SG31651
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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