



AUTOMOTIVE PTY LTD

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Troubleshooting for SAAS Streeline/Autoline Series Gauges/Sensors

Item	Problem	Possible Cause	Solution
Gauges	- no power or shuts off	- blown or missing fuses	- check all fuses (cabin/engine bay)
		- bad connection	- solder all connections - test wiring with a test light or multimeter
	- backlight flickers or no backlight	- incorrect wiring	- retest wiring
		- bad connection	- solder all connections
		- wired to a dimmer circuit	- wire to a park light circuit
	- colour change button stuck	- gauge surround has been twisted	- twist surround slowly until button lines up
	- needle sitting off starting point	- gauge has been dropped or suffered mechanical shock	- replace gauge
		- out of calibration	- check calibration using auxiliary gauge or testing equipment
		- atmospheric pressure	- no fault
	- gauge rattles	- loose fastenings	- tighten fastenings on back side
		- boost rattle - diesel boost rattle	- restrict airflow to gauge or use in line filter (SGA1005 anti-rattle filter)
		- gauge has been dropped or suffered mechanical shock	- replace gauge
- needles move in increments		- normal operation for this series - needle out alignment	- no fault - replace gauge
Exhaust Sensors	- no readings - reading jumps around	- sensor not plugged in correctly	- check sensor connectors are pushed in correctly
		- bad sensor connection	- check and re crimp connections - repair or replace sensor
		- sensor cables reversed	- reverse sensor cables
		- damaged sensor	- check for hard twists and bends along the braided line and underneath the sensor spring - test sensor with a multimeter a good sensor should read around 17 ohms @ room temp (21c)
		- wet sensor	- allow sensor to dry out - insulate sensor (split tubing, electrical tape, heat shrink)
Oil Pressure Sensors	- no readings - readings jump around	- bad sensor connection	- check sensor for loose wiring
		- incorrect wiring	- check wiring to gauge and to ground
		- signal wire too thick or too long	- change wire thickness (wire thickness must stay the as supplied)
		- bad sensor ground	- ground wire must go to chassis or negative of battery ONLY!
		- damaged sensor	- test sensor with a multimeter a good sensor should read around 10 ohms with zero pressure
		- blocked oil sensor	- unblock sensor with a pin
Water Temp Sensors	- no readings	- bad sensor connection	- check sensor for loose wiring
		- incorrect wiring	- check wiring to gauge and to ground
		- signal wire too thick or too long	- change wire thickness (wire thickness must stay the same as supplied)
		- bad sensor ground	- ground wire must go to chassis or negative of battery ONLY!
		- damaged sensor	- test sensor with a multimeter - a good sensor should read around 50 ohms @ room temp (21c)

For further assistance please contact SAAS on: 03 99 300 100