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Troubleshooting for SAAS TRAX 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
		- damaged sensor (boost or oil pressure)	- replace sensor and gauge (see sensor notes for testing procedures)
	- no backlight	- lights switched off	- press button on backside to change illumination mode
		- incorrect wiring	- retest wiring
		- bad connection	- solder all connections
		- wired to a dimmer circuit	- wire to a park light circuit
	- needle sitting below starting point	- gauge has been dropped or suffered mechanical shock	- replace gauge
	- gauge beeps and flashes	- sensor not plugged in	- plug sensor in
		- bad sensor connection	- check and re crimp connection - repair or replace sensor
		- damaged sensor	- repair or replace sensor
Exhaust Sensors	- no readings - reading jumps around or gauge reads 999	- sensor not plugged in correctly	- check sensor connectors and pins 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)
		- damaged gauge connector	- check connector on backside of gauge or replace gauge
Boost Sensors	- no readings - reading jumps around	- sensor not plugged in correctly	- check sensor connectors and pins are pushed in correctly
		- incorrect boost source	- boost source must come for intake manifold or intercooler before any OEM sensors
		- damaged sensor	- test sensor with a multimeter a good sensor should read 0.375v @ 0 PSI or 0.75v @15 PSI
		- incorrect boost source	- boost source must come for intake manifold or intercooler before any OEM sensors
Oil Pressure Sensors	- no readings - readings jump around	- sensor not plugged in correctly	- check sensor connectors and pins are pushed in correctly
		- damaged sensor	- test sensor with a multimeter a good sensor should read 0.5v @ 0 PSI or 0.9v @15 PSI
		- damaged gauge connector	- check connector on backside of gauge - replace gauge
		- blocked oil sensor	- unblock sensor with a pin
Water Temp Sensors	- no readings	- sensor not plugged in correctly	- check sensor connectors and pins are pushed in correctly
		- damaged sensor	- test sensor with a multimeter a good sensor should read 50 ohms @ room temp (21c)
		- signal wire too thick or too long	- change wire thickness (wire thickness must stay the same as supplied)

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