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## EZ-Pilot Steering System: SAM-200 Motor Fault Codes

Fault code	Fault message	Possible cause	Solution
1	SAM-200 fault #1	SAM-200 motor power supply is unregulated.	Replace motor.
2	SAM-200 fault #2	SAM-200 motor power supply failure.	Replace motor.
3	SAM-200 fault #3	Motor current phase problem - motor has failed.	Turn motor and try to re-engage, if persists, replace motor.
4	SAM-200 fault #4	Voltage input is too high.	Input voltage is above +16V, check cabling and power supply.
5	SAM-200 fault #5	Voltage input is too low.	Input voltage is below +9V, check cabling and power supply.
6	SAM-200 fault #6	SAM-200 motor failure.	Replace motor.
7	SAM-200 fault #7	SAM-200 motor is outside of operation temperature range.	Motor is too hot or too cold, remedy as necessary.
8	SAM-200 fault #8	SAM-200 motor controller monitor failure.	Check power harness and CANBUS cabling, replace motor if persistent.
9	SAM-200 fault #9	SAM-200 motor controller monitor failure.	Check power harness and CANBUS cabling, replace motor if persistent.
10	SAM-200 fault #10	SAM-200 motor overcurrent.	Raise manual override threshold, check cabling for current shorts
11	SAM-200 fault #11	No communication from SAM-200 motor.	Check cabling for proper CAN communications. Make sure that the CANBUS terminators are in good working order and power is properly supplied to the motor. Check the CANBUS wires for damage.
12	SAM-200 fault #12	SAM-200 motor encoder mismatch.	Make sure that the SAM-200 motor is updated to the latest firmware version. Turn steering wheel and try to re-engage, if persistent motor has failed then replace motor.
13	SAM-200 fault #13	Motor current phase offset.	Motor controller is faulty, replace motor.
14	SAM-200 fault #14	SAM-200 motor communication authentication failure.	Check cabling for proper CAN termination, reflash firmware. Replace motor.

## For more information

Go to <http://agpartners.trimble.com>.

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