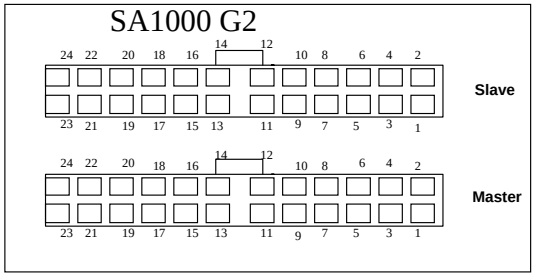
Civinco - SA1000G2 - A5CNDM3 - Porsche 928 -87 Centrifugalkompressor rev 2007-08-03



About this installation

Keep stock fuel (LH) and ignition (EZK) system. We ony "listen" to signals in stock harness. The only exeption when we have to cut stock wires is the two ignition signals that leads to the final stages.

17 ohm injectors instead of low ohm stock injectors.

New wire harness for all injectors, one wire from each bank for injector power supply. Stock only one signal to all 8 cyl.

We run semi sequential fuel injection in this car

Connect SA1000 power ground and signal ground to chassi.

MPX 2.5 bar MAP sensor internal in SA1000.Oxygen sensor connected to Master and slave.

Stock fuel system LH Jetronic, Ignition EZK

DP with SC GTS

Fuel pump - T5 stock electric dcentral

Power to Coil - O6 stock electric dcentral

Tach to instrument - G7 stock electric dcentral

EZK 29 does **not** work for 12v power

SApin	Colour	Name	Info	Stock pin
Master				
1	black / white	Signal GND		---
2	grey	5v out	not used	---
3	orange	Digital 1 out	not used	---
4	violett	Coolant temp in	analog 4 in	EZK 19
5	white	PWM 1 out	not used	---
6	blue	MAP sensor signal in	internal use	---
7	yellow	Digital 2 out	not used	---
8	red/green	Throttle Position Sensor	analog 2 in, Idle switch only	EZK 8
9	orange/white	PWM 2 out	not used	---
10	red/yellow	AFR 1 sensor in	analog 1 in, right	LH 24
11	black / green	IGN B out	not used	---
12	green	Intake Air temp in	analog 10 in	---
13	blue / red	IGN A out		EZK 32
14	blue / white	Crank sensor in		EZK 23
15	green/white	Fuel_D_OUT	New harness	---
16	not specified	Analog AUX 1	analog 9 OR internally to 12V	---
17	brown / black	Fuel_C_OUT	New harness	---
18	not specified	Digital 1 in	not used	---
19	brown / blue	Fuel_B_OUT	New harness	---
20	not specified	Digital 2 in	not used	---
21	brown / yellow	Fuel_A_OUT	New harness	---
22	red / white	Cam Sensor in	not used	---
23	black	Power GND		---
24	red	12 V Power		EZK 29

SApin	Colour	Name	Info	Stock pin
Slave				
1	black / white	Signal GND		---
2	grey	5v out	not used	---
3	not specified	Digital 3 out	not used	---
4	violett	Coolant temp in	analog 8 in	EZK 19
5	not specified	PWM 3 out	not used	---
6	blue	MAP sensor signal in	internally connected to master	---
7	not specified	Digital 4 out	not used	---
8	red/green	Throttle Position Sensor	analog 6 in, Idle switch only	EZK 8
9	not specified	PWM 4 out	not used	---
10	yellow / green	AFR 1 sensor in		LH 24
11	white / red	IGN D out	not used	---
12	green	Intake Air temp in	analog 12 in	---
13	black / green	IGN C out		EZK 15
14	blue / white	Crank sensor in	internally connected to master	EZK 23
15	brown	Fuel_H_OUT	New harness	---
16	not specified	Analog AUX 3	analog 11 OR internally to 12V	---
17	brown / red	Fuel_G_OUT	New harness	---
18	not specified	Digital 3 in	not used	---
19	brown / grey	Fuel_F_OUT	New harness	---
20	not specified	Digital 4 in	not used	---
21	brown / green	Fuel_E_OUT	New harness	---
22	red / white	Cam Sensor in	not used	---
23	black	Power GND		---
24	red	12 V Power		---

Digital output configurable to:

Pin 3 & 7	ASD relay
Pin 3 & 7	RPM tach
Pin 3 & 7	Fan control
Pin 3 & 7	Error code indikation
Pin 3 & 7	RPM controlled
Pin 3 & 7	Analog controlled
Pin 3 & 7	RPM&Analog controlled
Pin 3 & 7	Vanos & VTEC

PWM output configurable to

Pin 5 & 9	PWM AFR
Pin 5 & 9	PWM Throttle
Pin 5 & 9	PWM MAP
Pin 5 & 9	PWM Coolant
Pin 5 & 9	PWM Bat/Aux1
Pin 5 & 9	PWM IAT/Aux2
Pin 5 & 9	
Pin 5 & 9	PWM RPM