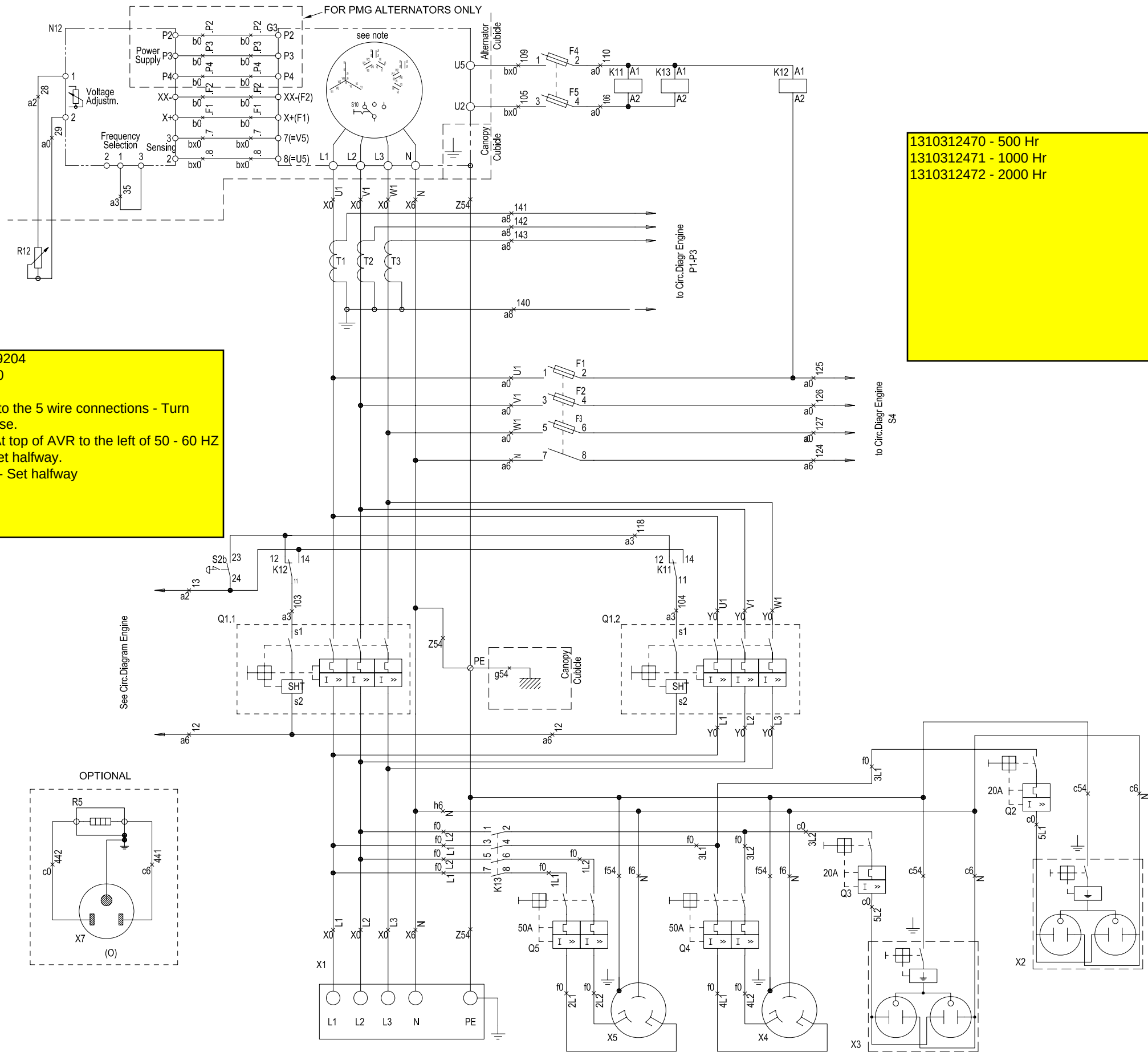


AVR - 1089959204
Model - SX 460
Initial set up -
Volt pot - next to the 5 wire connections - Turn counterclockwise.
Stability pot - At top of AVR to the left of 50 - 60 HZ connection - Set halfway.
Potentiometer - Set halfway



1310312470 - 500 Hr
1310312471 - 1000 Hr
1310312472 - 2000 Hr

Mark Name

- F1..5 Fuse 4A
- G3 Alternator
- K11 Aux. relay (lower volt.)
- K12 Aux. relay (higher volt.)
- K13 Contactor
- N12 Automatic Voltage Regulator
- O Optional Equipment
- Q1.1 Circuit breaker 3pole
- Q1.2 Circuit breaker 3pole
- Q2 Circuit breaker 1pole
- Q3 Circuit breaker 1pole
- Q4 Circuit breaker 2pole
- Q5 Circuit breaker 2pole
- R5 Coolant Heater
- R12 Voltage Adjustment Potmeter
- S2b Emergency stop (S2a see Engine Circ.)
- S10 Supply voltage switch
- T1..3 Current transformer
- X1 Terminal board
- X2 Socket outlet
- X3 Socket outlet
- X4 Socket outlet
- X5 Socket outlet
- X7 Flanged inlet
- X9 Terminal strip
- X10 Terminal strip
- X25 Terminal strip
- Sx Remote Start/Stop
- Kx Contactor Generator Ready (15s. delayed)

Legend

- Wire size : Colour code :
- aa = 0.5mm² 0 = black
 - a = 1 mm² 1 = brown
 - b = 1.5mm² 2 = red
 - c = 2.5mm² 3 = orange
 - d = 4 mm² 4 = yellow
 - e = 6 mm² 5 = green
 - f = 10 mm² 6 = blue
 - g = 16 mm² 7 = purple
 - h = 25 mm² 8 = grey
 - i = 35 mm² 9 = white
 - j = 50 mm² 54= green/yellow
 - k = 70 mm²
 - l = 95 mm²
 - bx = 1.5mm² NSGAFOeU
 - lx = 95 mm² EPR-CSP to BS6195 4C (or equal)
 - mx = 120 mm² EPR-CSP to BS6195 4C (or equal)

	Q1.1	Q1.2	T1-3	P1-3	Wire size		
QAS 70	200A	100A	400/5A	0-400A	X	Y	Z
					lx	k	k
QAS 90	250A	125A	400/5A	0-400A	X	Y	Z
					lx	k	k
QAS 120	333A	144A	400/5A	0-400A	X	Y	Z
					lx	k	k

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WIRING DIAGRAM
QAS 90-120

Scale	NONE	Family		Compare	1310 3171 34
Drawn by	MM	Blank		Replaces	
Transferred from	Std chd.	Material		Designation	Sheet 1/1
	Des chd.	Prod chd.	Approved	Date	02/09/30

Secrecy Class	1102 K/ 2	Unless specified: dimensions are in inches.
ACAD R14		
Owner	HOL	

1310 3200 01 01

1	ADDED OPTIONAL, PMG ALTERNATORS	HOL 080124 00	08/08/04	JG
ED	DESCRIPTION	DN	DATE	BY