

PARTS & SERVICE NEWS

REF NO.

AH03535

DATE

November 11, 2003

(C)

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SUBJECT: Electronic power module for electronic pump control
(old module 49401140 replaced by 91959140)

PURPOSE: Old design is no longer available

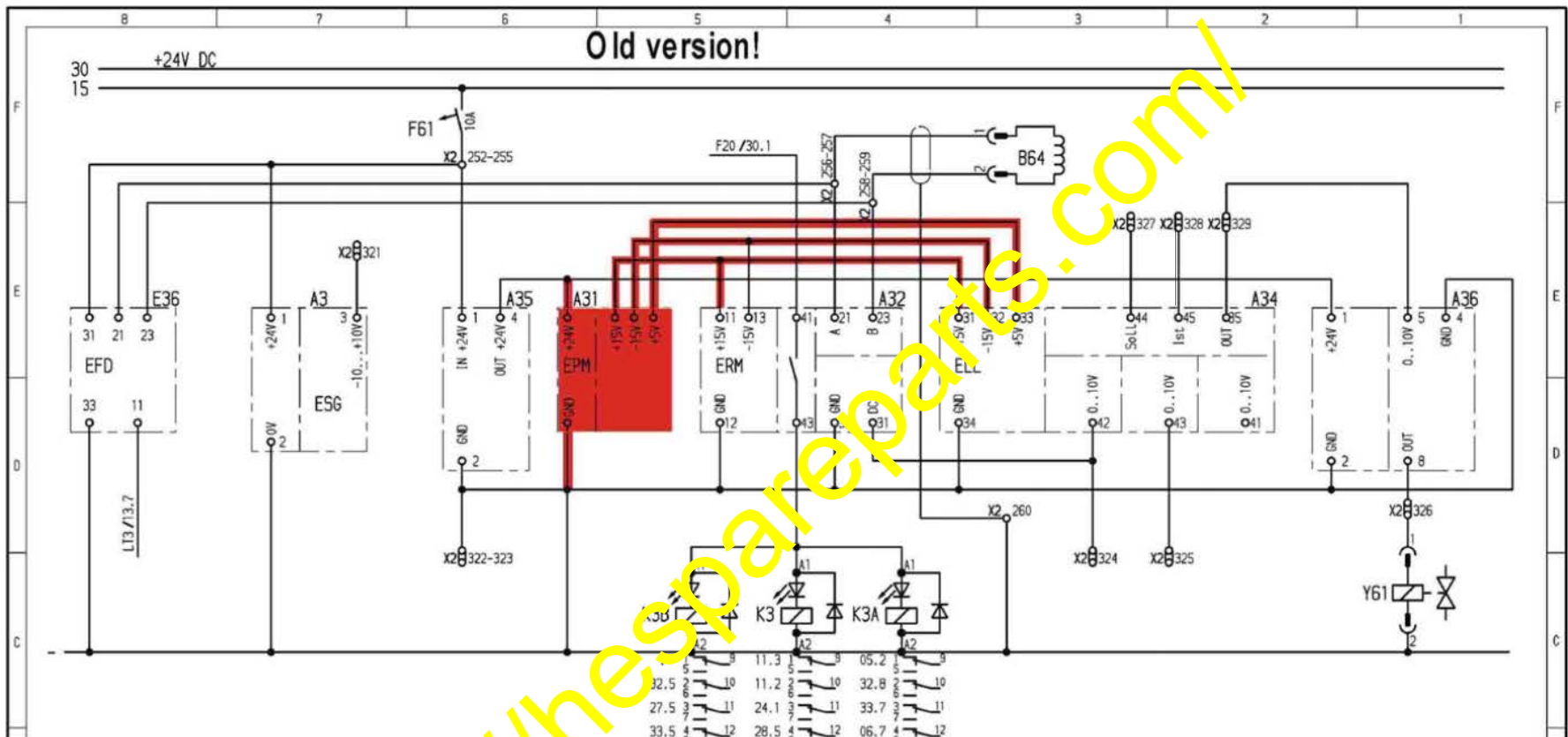
APPLICATION: H95 (86080); H185 (06078-06144); H285 (78094-78142);
H255/PC3000 (06150-06196); H455 (15002-15010);
PC5500 (15016); H485/H685/H 655/PC8000 (12002-12039)

FAILURE CODE: K1F0MA

DESCRIPTION:

1. Open the X – box and replace the old electronic power module A31 by the modules A31a and A31b.
2. Connect the old cables 1 to 1 to the same clamps at the new power modules. Refer to drawing “**New version**”, page 2 – **red** marked lines.
3. Additional connections (use cable 10 mm and cable sleeves):
 - Port 6 – at A31a and ports 5 and 7 at A31b to port 3 at A31a or together to the same clamp in the X – box
 - Port 2 – at A31b to port 2 at A31a or together to the same clamp in the X – box.Refer to drawing “**New version**” page 3 – **green** marked lines.

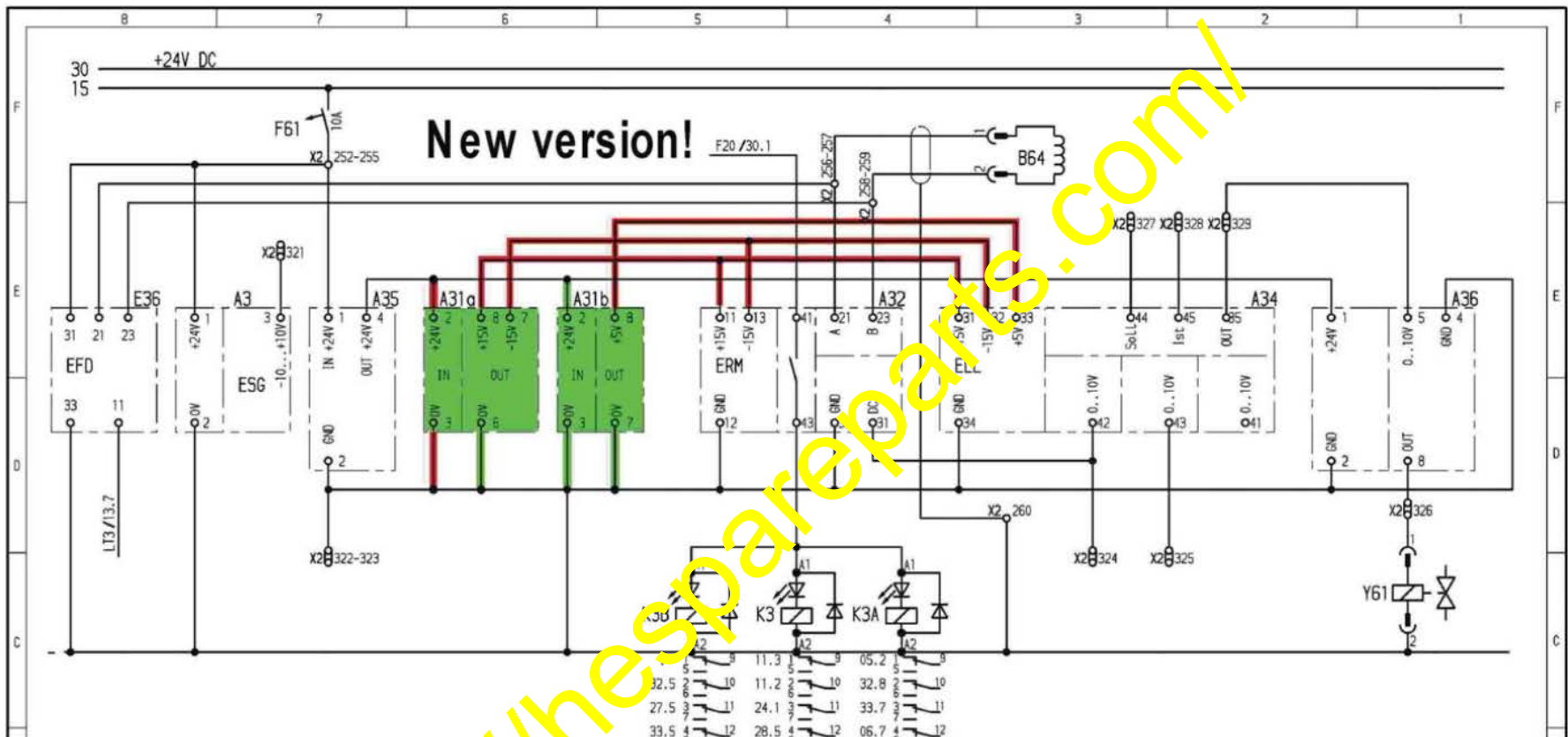
Attached you will find drawings with the old and the new situation at the PC3000 as example. The new parts and cables are **green** marked.



Drehzahlaufnahme		Testmodul		elektronische Grenzlastregelung							
E36: Frequenz-/Frequenzwandler		Kondensator Modul		Netzteil		Signalgleichrichter für Drehzahl		Reglermodul		Proportionalverstärker	
rpm sensing		testing modul		capacitor modul		electronic power		electronic signal rectifier for rpm		electronic Load Limiter	
E36: frequency converter						A32 : 41-43 geschl. wenn n > 300 1/min		A34: position: P = on I = on D = on		A34: adjustment: P = 4.31 I = -10.84 D = 1.34 SOLL = 5.00 OFFSET = 9.07	
B		B		B		B		B		B	
A		A		A		A		A		A	
SIA		SIA		SIA		SIA		SIA		SIA	

Datum		Name		Wiederholverwendung Ident-Nr.		Vordruck f. Schaltpläne		Computererstellte Zeichnung (CAD)		Bau Nr.:		Generalplan		Erstverwendung		Typ		Ident-Nr.		F		AM-Nr.		Name		Datum	
06-NOV-01		Thermann												PC3000-1				E5967									
Gepr.																											
Abt.:		8121.4																									
None																											
Elektroplan																											
Copyright reserved (Schutzvermerk DIN 34 beachten)																											
KOMATSU MINING GERMANY																											
659 930 40 b																											
A3																											
31/.																											

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Drehzahlaufnahme		Testmodul		elektronische Grenzlastregelung			
E36: Frequenz-/Frequenzwandler		Kondensator Modul	Netzteile	Signalgleichrichter für Drehzahl A32: 41-43 geschl. wenn n > 300 1/min	Reglermodul B64: Magnetic Pick Up A34: Schalterstellung: P = Ein I = Ein D = Ein	A34: Einstellungs: P = 4.31 I = -10.84 D = 1.34 SOLL = 5.00 OFFSET = 9.07	Proportionalverstärker Stellung 1: 200mA bei 1.5V Stellung 2: 520mA bei 9V
rpm sensing		testing modul		electronic pump control			
E36: frequency converter		capacitor modul	electronic power	electronic signal rectifier for rpm A32: 41-43 connected if n > 300 rpm	electronic Load Limiter A34: position: P = on I = on D = on		proportional amplifier position 1: 200mA at 1.5V position 2: 520mA at 9V
SIA		Wiederholverwendung Ident-Nr.		Vordruck f. Schaltpläne		Computererstellte Zeichnung (CAD)	
Datum		Name		Bau Nr.:		Generalplan	
26-MAY-03		Boer		PC3000-1		E6349	
Gepr.				Elektroplan		KOMATSU MINING GERMANY	
Abt.: 8121.4				Copyright reserved (Schutzvermerk DIN 34 beachten)		Ident-Nr.: 659 930 40 d	
Name				Format		Blatt/Blätter	
				A3		31/.	
Entstanden aus:		Ersatz für:		Ersetzt durch:			

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