

Service Bulletin

Types | 6

Subject | Check of Voltage Regulator MA330

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Some Generator Voltage Regulators with Bad Quality in the Field

The manufacturer's analyses of defective **voltage regulators MA330** resulted in the conclusion that a certain charge of voltage regulator has a high risk of failure. This affects all voltage regulators on which the circuit board had not been degreased before the resistor was soldered onto it. The affected regulators can be identified optically.

Affected generators are of Co. **Newage, Type HVSI / LVSI / MVSI frame P80**. A list of those generators you can find at the end of this bulletin.

Necessary measures: Optical check of the resistors R19 and R219 of the voltage regulator MA330 as described and documented subsequently.

ATTENTION! Check stored voltage regulators (spare parts) as well.

Incorrect voltage regulators can be identified by the colour of the resistor and an additional label.

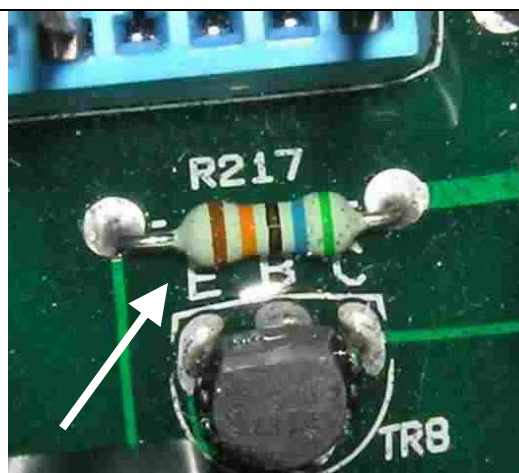
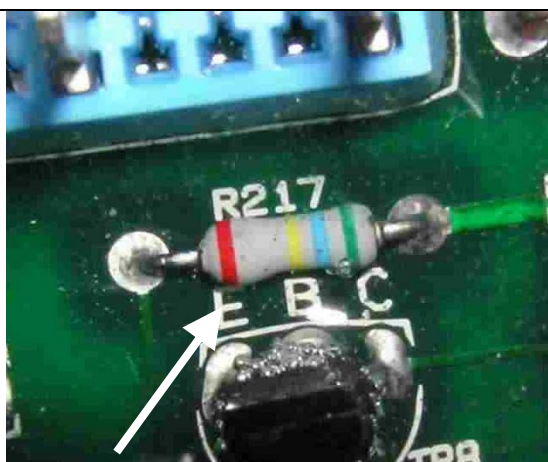
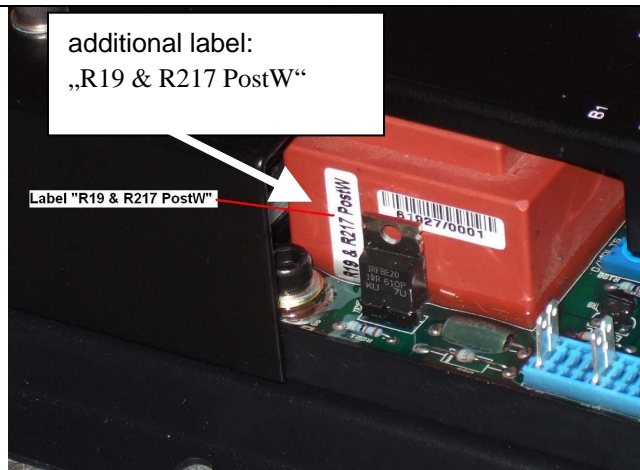
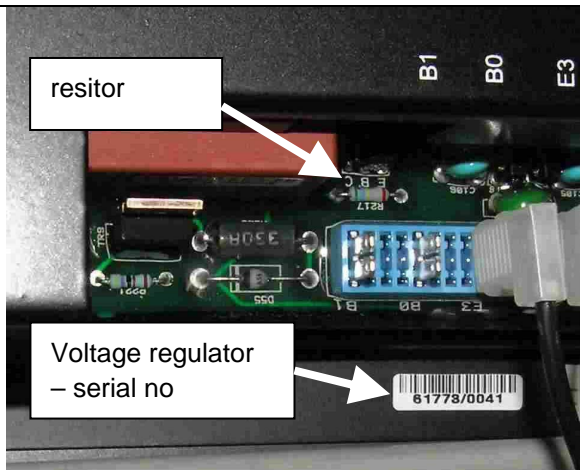
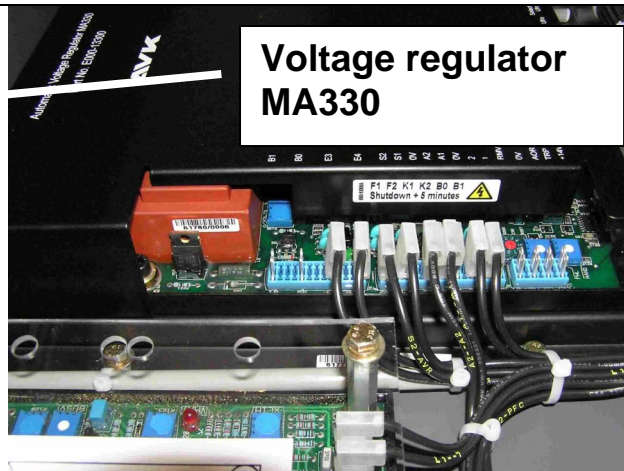
Bad Quality

- **Grey coloured resistor without label**

Good Quality

- Grey coloured resistor with the additional label "R19 & R217 PostW"
 - Explanation: "R19 & R217 PostW" means that the soldering of the resistors was carried out after the circuit board had been degreased.
- Light green coloured resistor
- Red coloured resistor

Action: Exchange of voltage regulators with bad quality. The exchange will be coordinated by the GE Jenbacher Product Support Managers.



Colour of the resistor: **grey**
Note: grey resistor without additional label “R19 & R217 PostW” is not okay.

Colour of the resistor: **light green** (easy additional differentiation between light green and grey resistor via the resistor colour-code)



Please forward the result of the optical inspection by e-mail to martin.andreas@ge.com and alexander.kaiser@ge.com. Necessary details:

- Unit no (e.g.: JB505)
- Site name / keyword (e.g.: District heating station)
- Serial number of the generator (e.g.: 0853606/01)
- Serial number of the installed voltage regulator (e.g.: 61773/0041)
- Serial number of the new voltage regulator (e.g.: 61921/0020)
- Date of exchange



Voltage regulators with bad quality will be replaced according to appointment with GE Jenbacher or Service Partner. The arising costs are covered by GE Jenbacher. There is no acute higher risk for operators or equipment because of redundant monitoring of the generator.

CAUTION: Exchange has to be done by GE Jenbacher or Service Partner. All relevant settings must be adjusted prior to the exchange. The adjustment of the new voltage regulator must be carried out according to the commissioning procedure. The adjustments of the old voltage regulator are set points for the new one.

- Check the no-load voltage during engine idle run
- Check the settings of the potentiometer – UFRO during engine idle run:
 - Decrease the engine speed step by step (10 RPM at a time) and monitor the UFRO LED
 - As soon as the LED lights up the engine speed is reduced by another 30 RPM and the generator voltage is checked
 - If the voltage dip is too much or too little with the new voltage regulator then you have to change the setting of the potentiometer – DIP
- Check the settings of the potentiometer – UFRO SELECT



- Check the settings of the potentiometer – STAB SELECT
- Check the settings of the potentiometer – DROOP

Sites with affected generators:

typ	Generator Serial number	UZ.Nr.	Country	project name
HVSI 804 R2	0852759 01	J C191	DNK	AGERSTED
MVSI 804 T2	085356	J D510	COL	SOH ECOPETROL E
MVSI 804 T2	0853563	J D510	COL	SOH ECOPETROL E
MVSI 804 T2	0853564	J D510	COL	SOH ECOPETROL E
MVSI 804 T2	0853605	J D510	COL	SOH ECOPETROL E
HVSI 804 T2	0852670 01	J C109	DEU	SFW FÜRSTENWALDE
HVSI 804 T2	0852669	J C110	DEU	SFW SÖMMERDA GEN
LVSI 804 W2	0853126 01 and 02	J C910	DEU	HAAR 616
LVSI 804 T2	0853264 01	J D117	DEU	LUDWIGSFELDE
HVSI 804 S2	0852671 01	J C129	DNK	FREDERIKS 2
HVSI 804 R2	0852759 01	J C191	DNK	AGERSTED
HVSI 804 S2	0852805 01	J C349	DNK	TVERSTED
HVSI 804 R2	0852789 01	J C350	DNK	KOLVRA
HVSI 804 S2	0853183 01	J C960	DNK	LAURBJERG
HVSI 804 S2	0853184 01	J C969	DNK	GIVE
HVSI 804 S2	0853219 01	J C990	DNK	KNUD JEPSEN 4
HVSI 804 W2	0853386 01	J D003	DNK	LOGSTRUP 4
HVSI 804 R2	0853377 01	J D027	DNK	STENDERUP KROAGE
HVSI 804 S2	0853606	J D537	DNK	STOHOLM 2
HVSI 804 T2	0853607	J D568	Dubai	AL AIN 02
LVSI 804 S2	0853136 01		ESP	HOSPITAL CRUCES REPAIR
LVSI 804 S2	0852824	J 5937	ESP	INDULERIDA REPA
LVSI 804 S2	0853533	J 5975	ESP	ESTABANELL J5975 REPAIR
HVSI 804 X2	0852831 01 and 02	J C292	ESP	EDAR GUADALHORCE
HVSI 804 X2	0852832 01 and 02	J C292	ESP	EDAR GUADALHORCE
HVSI 804 R2	0852903 01	J C461	ESP	TURRA
HVSI 804 R2	0852904 01	J C461	ESP	TURRA
HVSI 804 R2	0852903 02	J C461	ESP	TURRA
LVSI 804 T2	0852938	J C496	ESP	KANUI TEXTIL II
HVSI 804 R2	0852935 01	J C503	ESP	SILICIO SOLAR
HVSI 804 R2	0852935 02	J C503	ESP	SILICIO SOLAR
HVSI 804 R2	0852935 03	J C503	ESP	SILICIO SOLAR
HVSI 804 R2	0852936 01	J C503	ESP	SILICIO SOLAR
HVSI 804 R2	0852937 01	J C503	ESP	SILICIO SOLAR
HVSI 804 R2	0852937 02	J C503	ESP	SILICIO SOLAR
LVSI 804 T2	0853031 01	J C607	ESP	SORIGUE 1
LVSI 804 T2	0853088 01	J C607	ESP	SORIGUE 2
LVSI 804 W2	0853261 01	J C988	ESP	NATRA 1-3
LVSI 804 W2	0853261 01	J C988	ESP	NATRA 1-3
LVSI 804 W2	0853261 02	J C988	ESP	NATRA 1-3
HVSI 804 T2	0853427	J D039	ESP	PINZON 1+2
HVSI 804 T2	0853519	J D039	ESP	PINZON 3+4
LVSI 804 T2	0852716 01	J C192	FRA	HOPITAL CRETEIL
LVXI 824 H2	0852705 01	J C223	FRA	CRAM Bleville
LVSI 804 S2	0852920 01	J C510	FRA	PERALLIERE
LVSI 804 W2	0853344 01 and 02	J D026	FRA	HOPITAL DE ROUEN 1+2
LVSI 804 W2	0853354 01	J D026	FRA	HOPITAL DE ROUEN 3
LVSI 804 S2	0853103 01	J C776	GBR	COSMO FILMS LTD.
LVSI 804 R2	0853426 01	J D381	GBR	NATURAL HISTORY
HVSI 804 S2	0853528	J D492	GBR	HYDRO POLYMERS
HVSI 804 W2	0852749 01 and 02	J C260	GRC	ANO LIOSSIA 1+2
HVSI 804 W2	0852750 01 and 02	J C260	GRC	ANO LIOSSIA 3+4
LVSI 824 F2	0852644 01	J B753	HUN	FMÜ Szeged 616



LVSI 804 S2	0852924 01	J C464	HUN	GE HAJDUBOSZORMEN
LVSI 804 S2	0853185 01	J C915	HUN	XRG 15
HVSI 804 X2	0852813 01	J C345	IDN	PT INDAH JAYA II
HVSI 804 X2	0852820 01 and 02	J C378	IDN	TANJUNG JABUNG 620
HVSI 804 T2	0852830 01	J C379	IDN	TANJUNG JABUNG 616
HVSI 804 X2	0853092 01 and 02	J C833	IDN	SULINDAFIN II
HVSI 804 X2	0853357 01	J D270	IDN	EMBEE
LVSI 804 T2	0853587	J D581	IDN	SULINDAFIN BEKASI
DIG 130 G/4	0852545 01 and 02	J B879	IND	Deepak Nitrite 420
LVSI 804 S2	0853180 01	J C701	IND	CEI 05-003
LVSI 804 W2	0852775 01	J C297	ITA	AB ENERGY 616 - 1GEN
LVSI 804 W2	0852773 01	J C298	ITA	AB ENERGY 616 - 2
LVSI 804 W2	0852884 01	J C443	ITA	TERMOINDUSTRIALE
LVSI 804 S2	0853019 01	J C507	ITA	AB Energy 612- 1 Arezzo
LVSI 804 W2	0853017 01	J C583	ITA	BAULI 1
LVSI 804 W2	0853017 02	J C583	ITA	BAULI 2
LVSI 804 W2	0853050 01	J C733	ITA	AB ENERGY 616-3
LVSI 804 W2	0853051 01	J C740	ITA	AB ENERGY 616-4
LVSI 804 W2	0853356 01	J D171	ITA	AB ENERGY 616-5
LVSI 804 W2	0853355 01	J D172	ITA	AB ENERGY 616-6
LVSI 804 S2	0853609		ITA	EX ST. CROCE 2
HVSI 824 G2	0852660 01	J B681	NLD	Vliet, Cherrytomaten fase 1
HVSI 804 W2	0852661 01	J B681	NLD	Vliet, Cherrytomaten fase 2
HVSI 804 W2	0852623	J C058	NLD	PROMINENT GREENWA
HVSI 804 T2	0852624 01	J C059	NLD	N.P. GROENEWEGEN
HVXI 824 H	0852457	J C067	NLD	Driemaster
HVSI 804 W2	0852647 01	J C104	NLD	GEBR. KOOT
HVSI 804 W2	0852646 01	J C106	NLD	KWEKERIJ DE TRAMLIN
HVSI 804 W2	0852645 01	J C107	NLD	PROMINET VAN NIEL
HVSI 804 W2	0852719 01	J C175	NLD	DUKKER, KWEKERIJ B.V
HVSI 804 W2	0853359	J C175	NLD	ver
HVSI 804 W2	0852737 01	J C176	NLD	ELPI KWEKERIJ
HVSI 804 W2	0852735 01	J C177	NLD	LUGT, VAN DER 1
HVSI 804 T2	0852721 01	J C178	NLD	TUINDERSHOEK
HVSI 804 W2	0852720 01	J C179	NLD	VIJVERBERG, C&R
HVSI 804 W2	0852819 01	J C180	NLD	VOSHOL
HVSI 804 W2	0852736 01	J C181	NLD	WILMONT B.V.
HVSI 804 W2	0852751 01	J C182	NLD	ZWINKELS, CARLO
HVSI 804 X2	0853081 01	J C183	NLD	FRANSEN, AAD V.O.
HVSI 804 X2	0852812 01	J C184	NLD	NUON/CORNELISSEN
LVSI 804 S2	0852746 01	J C261	NLD	V&L ROSES, FASE 2
HVSI 804 W2	0852755 01	J C289	NLD	VOSKAMP ONROERENDGOE
HVSI 804 W2	0852756 01	J C290	NLD	VOSKAMP BV
HVSI 804 W2	08425953A101	J C445	NLD	BPK DUFFEL
HVSI 804 W2	0852918 01	J C457	NLD	Bosch Brothers O.G.B.V
HVSI 804 W2	0852970 01	J C459	NLD	FLEX 18, VAN OERS
LVSI 804 S2	0852887 01	J C471	NLD	KNAAP, PIETER VAN DER
HVSI 804 W2	0852892 01	J C479	NLD	TRIOMAAS, J. KOUWENHOV
HVSI 804 W2	0852888 01	J C482	NLD	Bleiwijksezoom
HVSI 804 W2	0852893 01	J C489	NLD	VLIET BV, GEBR. TH. & R 1
HVSI 804 W2	0852923 01	J C531	NLD	Stegrow Maasland V.O.F
HVSI 804 W2	0853018 01	J C581	NLD	BREUGEM PRODUCTS
HVSI 804 W2	0852880 01	J C619	NLD	Woening Orchids
HVSI 804 W2	0852971 8327575A202 ?	J C634	NLD	VLIET BV, GEBR. TH. & R 2
HVSI 804 S2	0853045 01 and 02	J C656	NLD	FLEX 1A 612
HVSI 804 T2	0853063 01	J C657	NLD	FLEX 1B 616
HVSI 804 W2	0853052 01	J C689	NLD	Delta Orchids B.V.-Smaal
HVSI 804 W2	0853066 01	J C800	NLD	PROMINENT GREENCAMP
HVSI 804 W2	0853082 01	J C813	NLD	VERKADE FRESQ
HVSI 804 W2	0853093 01	J C854	NLD	ZIJLBERG, CLUSTER
HVSI 804 W2	0853106 01	J C874	NLD	SANTINI KWEKERIJ /Overgaag
HVSI 804 W2	0853107 01	J C875	NLD	VEDDER KWEKERIJ
HVSI 804 S2	0853105 01	J C877	NLD	WINDEN, VAN
HVSI 804 W2	0853124 01	J C895	NLD	CHRYWIJK 3



LVSI 804 S2	0853166 01	J C896	NLD	WIJK-MOURIK
HVSI 804 W2	0853187 01	J C972	NLD	KESTER CV
HVSI 804 W2	0853229 01	J C973	NLD	KLEIJWEG CV
HVSI 804 W2	0853228 01	J C974	NLD	MOERMAN CV
HVSI 804 W2	0853189 01	J C975	NLD	AMMERLAAN CV
HVSI 804 W2	0853188 01	J C976	NLD	SOLYCO CV
HVSI 804 W2	0853226 01	J D005	NLD	VERKADE, LEO
HVSI 804 W2	0853256 01	J D005	NLD	VERKADE, LEO
HVSI 804 W2	0853186 01	J D014	NLD	ZWINKELS, P.N.R.
HVSI 804 S2	0853224 01	J D015	NLD	NOORD,DT VAN
LVSI 804 S2	0853225 01	J D018	NLD	BERHNARD
HVSI 804 W2	0853217 01	J D020	NLD	OPTI FLOR
HVSI 804 R2	0853254 01	J D028	NLD	OLIEMAN, HOGE
HVSI 804 W2	0853221 01	J D040	NLD	DUIJVENSTIJN
HVSI 804 W2	0853223 01	J D040	NLD	DUIJVENSTIJN
HVSI 804 W2	0853227 01	J D042	NLD	HOOGWEG, LEO
HVSI 804 T2	0853385 01	J D043	NLD	JANSEN EN ZN
HVSI 804 S2	0853218 01	J D044	NLD	FLEX 7
HVSI 804 W2	0853222 01	J D056	NLD	KOORNNEEF 2
HVSI 804 W2	0853230 01	J D094	NLD	PERSOON, FA S
HVSI 804 W2	0853303 01 and 02	J D134	NLD	TECH BV
HVSI 804 W2	0853304 01	J D135	NLD	TECH CONCORDIA
HVSI 804 W2	0853302 01	J D136	NLD	TECH GEBR. DE GROOT
HVSI 804 W2	0853365 01	J D141	NLD	R. VAN KOPPEN
HVSI 804 W2	0853358 01	J D264	NLD	VDE BV
HVSI 804 S2	0853363 01	J D299	NLD	BERGSCHENHOEK 2
HVSI 804 W2	0853366 01	J D300	NLD	G.J.A.VAN ADRICHEM
HVSI 804 W2	0853360 01	J D302	NLD	LUIMES
HVSI 804 W2	0853361 01	J D303	NLD	POLMAN VASTGOED BV
HVSI 804 W2	0853374 01	J D303	NLD	POLMAN VASTGOED BV
HVSI 804 W2	0853362 01	J D304	NLD	VRIES ERICA BV
HVSI 804 W2	0853375 07	J D304	NLD	VRIES ERICA BV
HVSI 804 W2	0853408 01	J D305	NLD	ZWINKELS, CARLO 2
HVSI 804 W2	0853406	J D306	NLD	BREUGEM, DICK
HVSI 804 W2	0853404 04	J D307	NLD	KP HOLLAND
HVSI 804 W2	0853407	J D416	NLD	VOSHOL 2
HVSI 804 W2	0853405	J D417	NLD	BERGPLANT
HVSI 804 S2	0853419 01	J D418	NLD	HOGERBRUGGE SCHIPLU
LVSI 804 S2	0853549	J D423	NLD	WESTBURG BV 2
LVSI 804 S2	0853505 01	J D425	NLD	HABO VATHORST
LVSI 804 S2	0853506 01	J D425	NLD	HABO VATHORST
LVSI 804 X2	0853327 01	J D121	ROM	PETROM OFFSHORE
LVSI 804 X2	0853327 02	J D122	ROM	PETROM OFFSHORE
LVSI 824 F2	0852595 01	J B990	RUS	Pepsi Moskau
MVSI 804 T2	0852548 01	J B664	THA	PRAEKASA 616 REPAIR??
MVSI 804 R2	0852547 01	J B920	THA	PRAEKASA PROJECT
HVSI 804 X2	0852613 01	J B902	UAE	MANAMA TEXTILE 1
HVSI 804 X2	0852614 01	J C011	UAE	MANAMA TEXTILE 2
HVSI 804 X2	0852615 01	J C012	UAE	MANAMA TEXTILE 3
HVSI 804 X2	0852616 01	J C013	UAE	MANAMA TEXTILE 3
LVSI 804 S2	0852757 01	J C189	UAE	MARAND
MVSI 804 R2	0852704 01	J C146	USA	SEMPRA SUNY WESTB
MVSI 804 R2	0852806 01	J C444	USA	OX MOUNTAIN LANDF. 1
MVSI 804 R2	0852807 01	J C444	USA	OX MOUNTAIN LANDF. 2
MVSI 804 R2	0852808 01	J C444	USA	OX MOUNTAIN LANDF. 3
MVSI 804 R2	0852809 01	J C444	USA	OX MOUNTAIN LANDF. 4
MVSI 804 R2	0852810 01	J C444	USA	OX MOUNTAIN LANDF. 5
MVSI 804 R2	0852811 01	J C444	USA	OX MOUNTAIN LANDF. 6
LVSI 804 R2	0852919 01 and 02	J C474	USA	WARREN COUNTY 1+2
LVSI 804 R2	0853220 01	J C987	USA	DCO-ATLANTIC COU
HVSI 804 X2	0853531			BANGUNG WAJA I 1
HVSI 804 X2	0853532			BANGUNG WAJA I 2
HVSI 804 X2	0853534			BANGUNG WAJA I 3
HVSI 804 X2	0853535			BANGUNG WAJA I 4
	0853608 01			Ex Al Ain
LVSI 804 Y2	0853615			Shintatex