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To: Jenbacher Service
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Service Partner

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Service Information

SI – 058

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Risk of Short Circuit Generator AvK DIG 110 Product Safety: Immediate action necessary!

Problem: Risk of 3 phase short circuit and total demolition of the generator due to breakage of the welding of the struts on the inside of the cover of the generator terminal box.

Affected: Installations with Generator Typ AvK DIG 110 (see list)

Short term solution: drop down protection via screw joint according to figures.

Action: Turn off the engine **immediately** according to technical instruction no. 1100-0105, earth and secure it against unauthorized restart. Open the cover of the generator terminal box, drill the holes (Ø12mm) and secure the struts according to the figures (nut should be on the outside of the terminal box cover). Use Loctite 243 to secure the hexagon nut. Inform the responsible GE Jenbacher Service Support Manager about the modification.

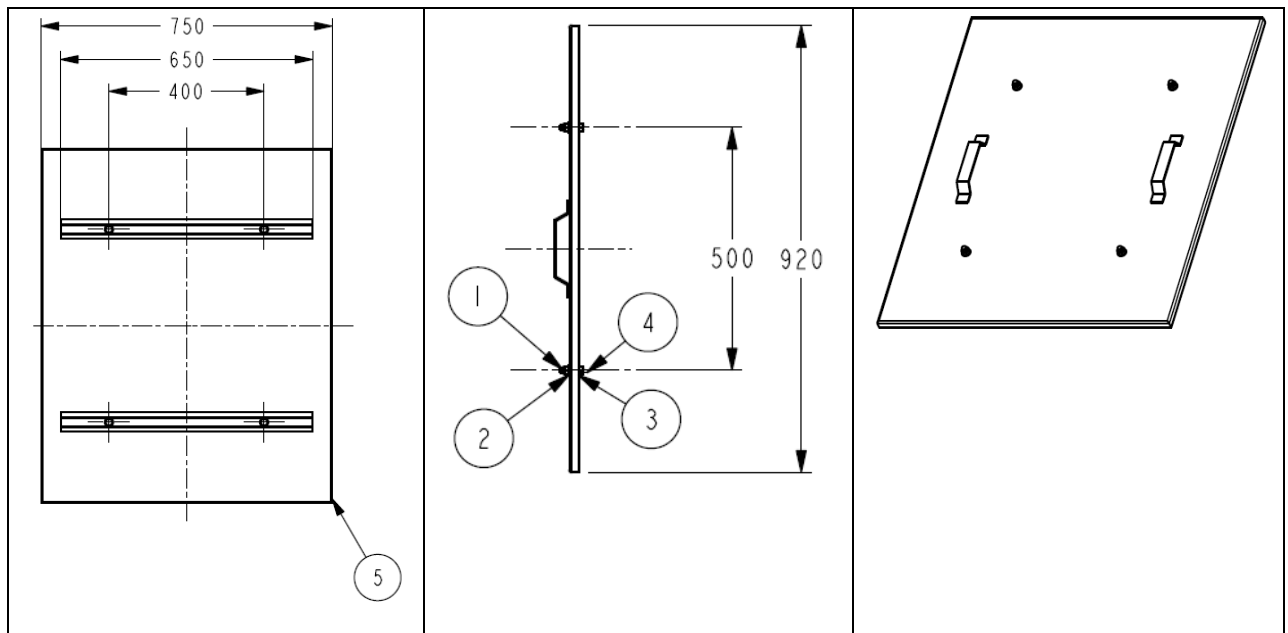
The screw joint shall be checked visually during **daily inspection** of the engine room.

Long term solution: Re-design of the cover by the generator manufacturer. The terminal box cover will be replaced on the effected installations.

Appearing costs are covered by GE Jenbacher.

Necessary parts (please also see overview on the next page):

object	amount	description	Reference part number (in case they are not available locally)
1	4	Lock nut M10 DIN_EN_7040	433227
2	4	Washer M10 DIN6796	102162
3	4	Washer M10 DIN125	101931
4	4	Hexagon bolt M10x40 EN24017	100456
5	1	Terminal box cover	Will be provided later.
x	1	Loctite 243	115288



Affected installations:

Keyword	Unit No	pieces	Type	country	Typ of generator	Serial number
TG-Senju	6059	1	312	JPN	DIG 110 g/4	8322470A101
Osakagas T2	6060	1	316	JPN	DIG 110 h/6	8322488A101
Onahama Aquarium	6062	1	212	JPN	DIG 110g/4	8322471 A101
Osakagas 3	6078	1	316	JPN	DIG 110 h/6	8322522A101
Holy Sisters Hospital	8198	2	312	KOR	DIG 110 g-4	8222827A102 / 202
Shinko-Steel	8276	2	316	JPN	DIG 110 h/6	8323140A102 / 202
Teika	8278	2	316	JPN	DIG 110 g / 6	8223100A101 / B101
Kyoeisya	A028	1	316	JPN	DIG 110 h/6	8323200 A101
Kurimoto - Steel	A081	2	316	JPN	DIG 110 g/6	8223546 A102 / 202
Osakagas T4	A085	1	312	JPN	DIG 110 g/6	8323356 A101
Meiji - Seika	A162	2	316	JPN	DIG 110 g/6	8223340 A102 / 202
Matsushita - Seishin	A163	1	316	JPN	DIG 110 h/6	8323544A101
Kikkoman - Takasago	A164	2	316	JPN	DIG 110 g/6	8223545A102 / 202
Metek - Kitamura	A182	1	316	JPN	DIG 110 h/6	8323612A101
Yukijirushi-Kansai	A253	1	316	JPN	DIG 110 h/6	8323844A101
Yukijirushi-Kobe	A254	2	316	JPN	DIG 110 g/6	8223816A102 / 202
St. Vincent Hospital	A278	1	320	KOR	DIG 110 i/4	
Nichia Steelworks	A284	2	316	JPN	DIG 110 g/6	8223942A102 / 202
Mikakuto - Candy	A287	1	316	JPN	DIG 110 h/6	8323988A101
Daitoh - Chemicals	A288	1	316	JPN	DIG 110 h/6	8323989A101
Matsushita - Nara	A425	1	316	JPN	DIG 110 h/6	8324196A204
Seibu FBS	A451	4	316	JPN	DIG 110 h/6	8324220 A101 8324196A104 / 304 / 404
Yamanaka (Toshiba 4)	A465	2	312	JPN	DIG 110g/4	8322470A101 / 202
Itoham - Nishinomiya	A489	2	316	JPN	DIG 110 h/6	8324449A102 / 202
Tanabe - Seiyaku (Ex Kubota)	A568	1	316	JPN	DIG 110 h/6	8224716A101
Osakagas T5	A596	1	320	JPN	DIG 110 i/6	8324731A101
Nihon - Seiyaku	A611	1	316	JPN	DIG 110 h/6	8323988A101
Shionogi - Settsu 1	A673	1	320	JPN	DIG 110 i/6	8225023A202
Shionogi - Settsu 2	A674	1	320	JPN	DIG 110 i/6	8225023A102
Meiji Dairies	A728	1	320	JPN	DIG 110 i/6	8225154A303
Oriental Hotel Kobe	A729	1	320	JPN	DIG 110 i/6	8325152A101
Oriental Yeast	A730	1	316	JPN	DIG 110 h/6	8325153A101
Taki Chemical	A731	2	320	JPN	DIG 110 i/6	8225154A103 / 203
Kirin Breweries - Kobe	A745	1	320	JPN	DIG 110 i/6	8315192A101

Keyword	Unit No	pieces	Type	country	Typ of generator	Serial number
Sanwa Jitsugyo	A778	1	320	JPN	DIG 110 i/6	8325235A101
Nippon Steel	A801	2	320	JPN	DIG 110 i/6	8225318A102 / 202
Daikin-Yodogawa	A847	8	320	JPN	DIG 110i/6	8225337A104 /204/304/404 8225338A104 /204/304/404
Sumitomokenzai-Sakai	A907	3	320	JPN	DIG 110 i/6	8225509A103 / 203 / 303
Meiji Dairies Aichi	B071	2	320	JPN	DIG 110 i/6	8325690A102 / 202
Hanshin Nishiumeda	B180	2	316	JPN	DIG 110 h/6	8325870A102 / 202
OGE B-Project	B201	2	612	JPN	DIG 110 i/4	8326392A102 / 202
Deponie Grevel	B273	1	316	JPN	DIG 110 i/4	8426054A101
Rakunan Sewage	B381	2	316	JPN	DIG 110 h/6	8426130A102 / 202
SES-ASTRA 1	B655	1	316	LUX	DIG 110i/4	8326462A202
SES-ASTRA 2	B655	1	316	LUX	DIG 110i/4	8326462A102
OGE Nippon Shinyaku	B701	1	316	JPN	DIG 110 h/6	8326580A101
OGE Kansai Opera Park	B840	2	320	JPN	DIG 110 i/6	8325236A202 und 8326701A101
Komplex VNIINM	B985	2	316	JPN	DIG 110 i/4	8426887A102 / 202
SI-Center Stuttgart	C593	1	316	JPN	DIG 110 i/4	8427451A101
Osaka Pref. Governm.	C984	1	320	JPN	DIG 110 k/6	

Views screw connection:

