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GEN-SET OHMS Ω CHART

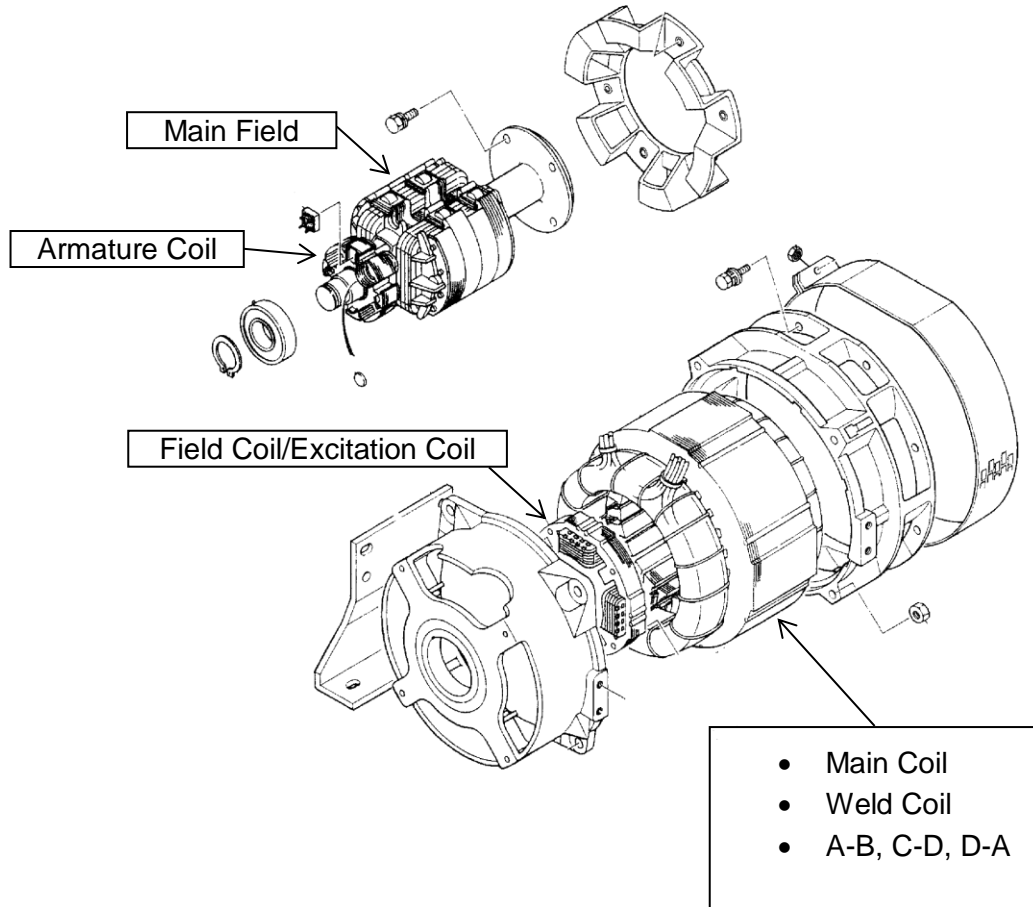
This can be used by the service technician as a reference guide when diagnosing Gen-Set on Multiquip welders. Only qualified technicians should service Multiquip products. Please note these values are measured from analog meters. When taking winding resistances measurements, ensure the winding is isolated. Multiquip is not responsible for any damage to equipment or components caused by unqualified personnel.

Resistance Measured in Ohms Ω

Model	Armature				Rotor Assembly		
	Main Coils	Weld Coils	Excitation Coils	A-B,C-D, D-A	Main Field Coil	Armature Coil	
GAW135H	U-V (0.84Ω) V-W (0.84Ω) W-U (0.84Ω)	U1-V1 V1-W1 W1-U1 U2-V2 V2-W2 W2-U2 U3-V3 V3-W3 W3-U3 U4-V4 V4-W4 W4-U4 U5-V5 V5-W5 W5-U5 U6-V6 V6-W6 W6-U6 U7-V7 V7-W7 W7-U7	0.17Ω	N/A	N/A	N/A	N/A
GAW180HE/HE1/HEA	U2-V2 (0.4Ω) V2-W2 (0.4Ω) W2-U2 (0.4Ω)	U1-V1 V1-W1 W1-U1	(0.01Ω)	N/A	N/A	N/A	N/A
GLW-180H	U1-V1 (0.14Ω)	U-V U-W V-W	(0.08Ω)	J-K (2.5Ω)	N/A	N/A	N/A
SGW225SS/SGW250SS SDW225SSI/SSA/SSA1	U-V (0.03Ω) U-N (0.02Ω) N-V (0.02Ω)	U1-V1 V1-W1 W1-U1 U2-V2 V2-W2 W2-U2	(0.07Ω) (0.04Ω)	J-K (11.4Ω)	A-B (0.7Ω) C-D (0.7Ω) A-D (0.7Ω) B-C (1.4Ω) X-Y (0.7Ω)	(11.0Ω)	(6.5Ω)
BLW300SS	U-N (0.06Ω) V-N (0.06Ω) U-V (0.13Ω)	U1-V1-W1 U2-V2-W2	(0.01Ω) (0.08Ω)	A-B (11.0Ω)	N/A	N/A	N/A
BLW400SS/SSW/SSW2	X1-Y1 (0.4Ω) X2-Y2 (0.4Ω) X1-Y2 (0.4Ω)	1-2 2-3 4-5 5-6 U1-V1 V1-W1 W1-U1 U2-V2 V2-W2 W2-U2	(0.6Ω) (0.02Ω)	J1-K1 (1.8) J2-K2 (1.8)	N/A	(5.0Ω)	(0.38Ω)
TLW300/SS	U-V (0.23Ω) U-N (0.11Ω) N-V (0.11Ω)	U1-V1 V1-W1 W1-U1 U2-W2 U2-V2 W2-U2	(0.02Ω)	J-K (11.4Ω)	A-B (0.41Ω) A-D (0.41Ω) C-D (0.41Ω) B-C (1.22Ω)	N/A	N/A

Resistance Measured in Ohms Ω

Model	Armature			Rotor Assembly			
	Main Coils	Weld Coils		Excitation Coils	A-B,C-D, D-A	Main Field Coil	Armature Coil
DLW300ES/ESA/ESA1	U-V (0.23 Ω) U-N (0.11 Ω) N-V (0.11 Ω)	U1-V1 V1-W1 W1-U1 U2-V2 V2-W2 W2-U2	(0.02 Ω)	J-K (11.0 Ω)	A-B (0.4 Ω) A-D (0.4 Ω) D-C (0.4 Ω) B-C (1.2 Ω)	(7.6 Ω)	(1.3 Ω)
DLW330X2	U-N (0.09 Ω) N-V (0.09 Ω)	U1-V1 V1-W1 W1-U1 U2-V2 V2-W2 W2-U2	(0.03 Ω)	J-K (11.0 Ω)	A-B (0.42 Ω) A-D (0.42 Ω) C-D (0.42 Ω) C-B (1.20 Ω)	(9.8 Ω)	(1.3 Ω)
DLW400ES/ESA/ESA4	U-V (0.1 Ω) U-N (0.05 Ω) N-V (0.05 Ω)	U1-V1 V1-W1 W1-U1 U2-V2 V2-W2 W2-U2	(0.01 Ω)	J-K (11.0 Ω)	A-B (0.35 Ω) A-D (0.35 Ω) D-C (0.35 Ω) B-C (1.05 Ω)	(9.8 Ω)	(1.3 Ω)
DAW500/SA/SA4	UA-VA (0.214 Ω) VA-WA (0.214 Ω) WA-UA (0.214 Ω) UB-VB (0.214 Ω) VB-WB (0.214 Ω) WB-UB (0.214 Ω)	U1-V1 V1-W1 W1-U1 U2-V2 V2-W2 W2-U2	(0.004 Ω) (0.0227 Ω)	N/A	N/A	N/A	N/A



*Image for illustration purpose only and may not depict your actual welder