

GENERATOR 6-SQUARE RESIDUAL VOLTAGE TEST

*** DISCONNECT AVR BEFORE TESTING ***

	120 / 240	120 / 208	277 / 480
L1-N			
L2-N			
L3-N			
L1-L2			
L2-L3			
L3-L1			

Good Readings (with Approximate Values)

	120 / 240	120 / 208	277 / 480
L1-N	13V	13V	27V
L2-N	Approx. 0V	13V	27V
L3-N	13V	13V	27V
L1-L2	13V	25V	50V
L2-L3	13V	25V	50V
L3-L1	25V	25V	50V

Bad Readings

	120 / 240	120 / 208	277 / 480
L1-N	13V	13V	27V
L2-N	Approx. 0V	13V	Approx. 0V
L3-N	13V	13V	27V
L1-L2	13V	25V	32V
L2-L3	13V	25V	45V
L3-L1	25V	25V	50V

Main Stator Resistance Test

T1 - T4		T7 - T10	
T2 - T5		T8 - T11	
T3 - T6		T9 - T12	

All approximate 0.3 - 0.8Ω and OL to GRD

Excite Stator Resistance Test

J - K	
J - GRD	
K - GRD	

Approximate 16 - 26Ω and OL to GRD