



FIGURE 4-10. Brushless Generator Schematic

TABLE 4-3. Generator Resistance Values At 25°C (77°F)

Component	Resistance	
	MEP-804A	MEP-814A
Exciter Stator	Between 28.657 & 38.771 ohms	Between 25.0335 & 33.8715 ohms
Exciter Rotor	Between 0.709 & 0.959 ohms	Between 0.2025 & 0.2739 ohms
Generator Rotor	Between 1.247 & 2.073 ohms	Between 1.2688 & 1.7166 ohms
Generator Stator	Between 0.146 & 0.198 ohms	Between 0.0717 & 0.0971 ohms

TABLE 4-3. Generator Resistance Values At 25°C (77°F)

Component	Resistance	
	MEP-805A	MEP-815A
Exalter Stator	Between 24.85 & 33.61 ohms	Between 24.9693 & 33.7819 ohms
Exalter Rotor	Between 0.202 & 0.274 ohms	Between 0.2061 & 0.2787 ohms
Generator Rotor	Between 1.03 & 1.51 ohms	Between 1.9874 & 2.6888 ohms
Generator Stator	Between 0.0736 & 0.0994 ohms	Between 0.0306 & 0.0412 ohms

TABLE 4-3. GENERATOR RESISTANCE VALUES AT 25°C (77°F)

Component.	Resistance	
	MEP-806A.	MEP-816A
Exciter Stator.	Between 24.85 & 33.61 ohms.	Between 24.7301 & 33.4583 ohms
Exciter Rotor.	Between 0.202 & 0.274 ohms.	Between 0.2082 & 0.2816 ohms
Generator Rotor.	Between 0.52 & 0.70 ohms.	Between 1.0835 & 1.4659 ohms
Generator Stator.	Between 0.040 & 0.054 ohms.	Between 0.015 & 0.0202 ohms

**TRC T-1 XFMR**  
Term 1-2 3.2ohms, 208VAC Running  
Term 3-7 2 ohms, 155VAC Running  
Term 4-6 5 ohms, 26VAC Running  
**TRC Volt Reg**  
VR Term 1-3 36 VDC Exciter V voltage  
VR Term 6-7 28.5 VDC  
VR Term 10-11 160 VAC  
400Hz has no center tap

**LIBBY T-1 XFMR**  
T1 Term 1-2 2 ohms, 208VAC Running  
T1 Term 5-7 3 ohms, Term 5-3 3 ohms  
T1 Term 5-4 2.2 ohms, Term 5-6 2.2 ohms  
**LIBBY Volt Reg**  
Wire 141 Disconnect, Static Resistance  
Term 1-10 1-10 Megs Cap Charging  
Term 1-11 1-10 Megs Cap Charging  
Wire 141 to Term 3 29 ohms Checking  
Static Exciter windings