

**STARTING & CHARGING****SERVICE DATA**

030PL-02

Starter assy		
Specified current		90 A or less at 11.5 V
Circle runout	Maximum	0.05 mm (0.0020 in.)
Commutator length	Standard	3.3 mm (0.1299 in.)
	Minimum	4.0 mm (0.1575 in.)
	Standard	9.0 mm (0.3543 in.)
Brush holder length	Minimum	4.0 mm (0.1575 in.)
	Maximum	5.0 mm (0.1969 in.)
Generator assy		
Rotor coil resistance	at 20°C (68°F)	2.1 – 2.5 Ω
Slip ring diameter	Standard	14.2 – 14.4 mm (0.559 – 0.567 in.)
	Minimum	12.8 mm (0.504 in.)
Brush exposed length	Standard	9.5 – 11.5 mm (0.374 – 0.453 in.)
	Minimum	1.5 mm (0.059 in.)
Battery		
Voltage	at 20°C (68°F)	12.5 – 12.9 V