STARTING & CHARGING

SERVICE DATA

031XS–01

Magnetic switch resistance	Terminal 50 – C	Below 1 Ω
	Terminal 50 – Switch body	Below 2 Ω
Starter armature resistance	Segments	Below 1 Ω
	Commutator – Coil core	10 kΩ or higher
Starter armature assy		
Depth	Standard	3.1 mm (0.122 in.)
	Maximum	3.8 mm (0.150 in.)
Starter commutator end frame assy		
Brush length	Standard	9.0 mm (0.354 in.)
	Minimum	4.0 mm (0.157 in.)
Starter commutator end frame assy		
Brush resistance	(+) – (–)	10 kΩ or higher
Generator brush holder assy		
Brush length	Standard	10.5 mm (0.413 in.)
	Minimum	4.5 mm (0.177 in.)
Generator rotor assy		
Open circuit	Resistance	2.3 to 2.7 Ω at 20°C (68°F)
Slip ring diameter	Standard	14.2 to 14.4 mm (0.559 to 0.567 in.)
	Minimum	14.0 mm (0.551 in.)