

IGNITION SYSTEM

Ignition timing		7° BTDC @ idle (Check connector TE1 and E1 connected)
Firing order		1 – 5 – 3 – 6 – 2 – 4
High-tension cord	Resistance Limit	25 kΩ per cord
Spark plug	Type	ND NGK
	Correct electrode gap	1.1 mm 0.043 in.
Ignition coil	Primary coil resistance at cold	0.30 – 0.60 Ω
	Secondary coil resistance at cold	9.0 – 15.0 kΩ
Distributor	Air gap G and N E pickups	0.2 – 0.4 mm 0.008 – 0.016 in.
	Pickup coil resistance G and NE pickups (cold)	185 – 265 Ω

STARTING SYSTEM

Starter	Rated voltage and output power		12 V 1.0 kW
	No-load characteristic		90 A or less at 11.5 V
			3,000 rpm or more
	Commutator	outer diameter	30 mm 1.18 in.
		STD	29 mm 1.14 in.
		Limit	0.6 mm 0.024 in.
		Under cut depth	0.2 mm 0.008 in.
	Brush	Circle runout	0.05 mm 0.0020 in.
		Length	13.5 mm 0.531 in.
		STD	8.5 mm 0.335 in.
		Limit	18 – 24 N 1.79 – 2.41 kgf 3.9 – 5.3 lbf
	Spring installed load		

CHARGING SYSTEM

Drive belt tension		See page A-2	
Battery specific gravity when fully charged at 20°C (68°F)		1.25 – 1.27	
Alternator	Rated output	12 V 80 A	
	Rotor coil resistance	2.8 – 3.0 Ω	
	Slip ring diameter	STD	32.3 – 32.5 mm 1.272 – 1.280 in.
		Limit	32.1 mm 1.264 in.
	Brush exposed length	STD	20.0 mm 0.789 in.
		Limit	5.5 mm 0.217 in.
Alternator regulator	Regulating voltage at 25°C (77°F)	13.8 – 14.4 V	