

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	W16EXR-U BPR5EY 0.8 mm 0.031 in.
Ignition coil	Primary coil resistance at cold	0.52 – 0.64 Ω
	Secondary coil resistance at cold	11.5 – 15.5 kΩ
Distributor	Air gap G and NE pickups	0.2 mm (0.008 in.) or more
	Pickup coil resistance G and N E pickups	140 – 180 Ω

STARTING SYSTEM

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

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	