

## IGNITION SYSTEM

Ignition timing	T/M in N range		10° BTDC @ idle [Check connector terminals TE1 and E1 connect]	
Spark plug	Type	ND	PQ16R	
		NGK	BCPR5EP11	
	Gap	STD	1.1 mm	0.043 in.
		Limit	1.3 mm	0.051 in.
High-tension cord	Resistance	Limit	25 kΩ per cord	
Ignition coil	Primary coil resistance		0.24 – 0.30 Ω	
	Secondary coil resistance		9.2 – 12.4 kΩ	
Distributor	Air gaps		0.2 – 0.4 mm      0.008 – 0.016 in.	
	Pickup coil resistance	G1 -G(-)	140 – 180 Ω	
		G2 -G(-)	140 – 180 Ω	
		NE -G(-)	180 – 220 Ω	

## STARTING SYSTEM

Starter	Rated voltage and output power		12 V	1.4 kW
	No-load characteristic	Current	90A or less at 11.5 V	
		rpm	3,500 rpm or more	
	Brush length	STD	15.5 mm	0.610 in.
		Limit	10.0 mm	0.394 in.
	Commutator Outer diameter	STD	30 mm	1.18 in.
		Limit	29 mm	1.14 in.
	Undercut depth	STD	0.6 mm	0.024 in.
		Limit	0.2 mm	0.008 in.
	Circle runout	Limit	0.05 mm	0.0020 in.
		Spring installed load	STD	1.79 – 2.41 kg (3.9 – 5.3 lb, 18 – 24 N)
		Limit	1.2 kg	2.6 lb      12 N

## CHARGING SYSTEM

Drive belt tension		See page <a href="#">A-2</a>	
Battery specific gravity When fully charged at 20°C (68°F)		1.25 – 1.27	
Alternator	Rated output ampere	12V      80A	
	Rotor coil resistance	2.8 – 3.0 Ω	
	Slip ring diameter	STD	14.2 – 14.4 mm      0.559 – 0.567 in.
		Limit	12.8 mm      0.504 in.
	Bush exposed length	STD	10.5 mm      0.413 in.
		Limit	1.5 mm      0.059 in.
Alternator regulator (IC)	Regulator voltage at 25°C (77°F)	14.0 – 15.0 V	
	at 115°C (239°F)	13.5 – 14.3 V	