1. Engine Electrical

A: SPECIFICATIONS

1. EXCEPT 2200 cc MODEL

Item			Designation	
Starter	Type		Reduction type	
	Model		MT TN128000-8311	AT TN128000-8321
	Manufacturer		NIPPONDENSO TENNESSEE	
	Voltage and output		12 V — 1.0 kW	12 V — 1.4 kW
	Direction of rotation		Counterclockwise (when observed from pinion)	
	Number of pinion teeth		8	9
	No-load characteristics	Voltage	11 V	
		Current	90 A or less	
		Rotating speed	3,000 rpm or more	2,900 rpm or more
	Load characteristics	Voltage	8 V	
		Current	280 A or less	370 A or less
		Torque	9.8 N·m (1.0 kg-m, 7.2 ft-lb)	13.7 N·m (1.4 kg-m, 10.1 ft-lb)
		Rotating speed	900 rpm or more	880 rpm or more
	Lock characteristics	Voltage	5 V	
		Current	800 A or less	1,050 A or less
		Torque	27.5 N·m (2.8 kg-m, 20.3 ft-lb) or more	
Generator	Type		Rotating-field three-phase type, Voltage regulator built-in type	
	Model		LR185-701H	
	Manufacturer		HITACHI AUTOMOTIVE PRODUCTS	
	Voltage and output		12 V — 85 A	
	Polarity on ground side		Negative	
	Rotating direction		Clockwise (when observed from pulley side)	
	Armature connection		3-phase Y-type	
	Output current		1,500 rpm — 35 A or more 2,500 rpm — 62 A or more 5,000 rpm — 82 A or more	
	Regulated voltage		$14.5^{+0.3}_{-0.4}$ V [20°C (68°F)]	
Ignition coil	Model		F-569-01R	
	Manufacturer		Diamond	
	Primary coil resistance		0.69 Ω±10%	
	Secondary coil resistance		21.0 kΩ±15%	
	Insulation resistance between primary terminal and case		More than 10 MΩ	
Spark plug	Type and manufacturer		Alternate (RC10YC4 ..... CHAMPION BKR6E-11 ..... NGK K20PR-U11 ..... NIPPONDENSO)	
	Thread size	mm	14, P = 1.25	
	Spark gap	mm (in)	1.0 — 1.1 (0.039 — 0.043)	

2. 2200 cc MODEL

Item			Designation	
Starter	Type		Reduction type	
	Model		MT TN128000-8311	AT TN128000-8321
	Manufacturer		NIPPONDENSO TENNESSEE	
	Voltage and output		12 V — 1.0 kW	12 V — 1.4 kW
	Direction of rotation		Counterclockwise (when observed from pinion)	
	Number of pinion teeth		8	9
	No-load characteristics	Voltage	11 V	
		Current	90 A or less	
		Rotating speed	3,000 rpm or more	2,900 rpm or more
	Load characteristics	Voltage	8 V	
		Current	280 A or less	370 A or less
		Torque	9.8 N·m (1.0 kg-m, 7.2 ft-lb)	13.7 N·m (1.4 kg-m, 10.1 ft-lb)
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	Lock characteristics	Voltage	5 V	
		Current	800 A or less	1,050 A or less
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Generator	Type		Rotating-field three-phase type, Voltage regulator built-in type	
	Model		LR185-701H	
	Manufacturer		HITACHI AUTOMOTIVE PRODUCTS	
	Voltage and output		12 V — 85 A	
	Polarity on ground side		Negative	
	Rotating direction		Clockwise (when observed from pulley side)	
	Armature connection		3-phase Y-type	
	Output current		1,500 rpm — 35 A or more 2,500 rpm — 62 A or more 5,000 rpm — 82 A or more	
	Regulated voltage		$14.5^{+0.3}_{-0.4}$ V [20°C (68°F)]	
Ignition coil	Model		FH0047-01R	
	Manufacturer		DEMCO	
	Primary coil resistance		0.73 Ω±10%	
	Secondary coil resistance		12.8 kΩ±15%	
	Insulation resistance between primary terminal and case		More than 10 MΩ	
Spark plug	Type and manufacturer		Alternate (RC10YC4 ..... CHAMPION BKR6E-11 ..... NGK K20PR-U11 ..... NIPPONDENSO)	
	Thread size	mm	14, P = 1.25	
	Spark gap	mm (in)	1.0 — 1.1 (0.039 — 0.043)	