

Lampiran 1. Data manual book electrical equipment FIAT 124 S

**BRAKING SYSTEM**

Type:	Footbrake	...	...	Hydraulic with regulator on rear wheels, all disc
	Handbrake	...	...	2-wheel cable
	Brake discs, Diameter	...	...	8.93
	Thickness, nominal	...	...	.393
	minimum	...	...	.354
	Maximum runout permissible	...	...	.006
	Friction pads:			
	Minimum thickness	...	...	.06
	Master cylinder diameter	...	...	.75
	Brake cylinder diameter, front	...	...	1.875
	rear	...	...	1.375
	Brake fluid:			
	Type	...	...	Fiat blue label
	Quantity	...	...	250 cc

**ELECTRICAL EQUIPMENT**

Battery:	Capacity	...	...	46 amp/hr
	Voltage	...	...	12 volt
	Type	...	...	Lead/acid
	Dimensions	...	...	10½ x 6½ x 8½
	Weight with electrolyte	...	...	47.5 lb
	Generator:			
	Type	...	...	D.90/12/16/3:E
	Maximum current	...	...	22 amp
	Maximum speed	...	...	9000 rev/min
	Maximum overspeed	...	...	10,000 rev/min
	Brushes	...	...	2
	Brush part No.	...	...	4042681
	Regulator No.	...	...	Fiat GN.2/12/16
	Alternator, 124S:			
	Type	...	...	Fiat A12M 124/12/42 M
	Cut-in speed	...	...	1000 rev/min
	Maximum current	...	...	53 amps
	Field winding resistance	...	...	4.5 ohms
	Regulator, 124S:			
	Type	...	...	RC 1/12 B
	Control voltage	...	...	14.2 ± .3 volts
	Starter motor:			
	Type	...	...	E.84—0.8/12 or Special T E.100—1.3/12
	Nominal power	...	...	8 kW
	Nominal horsepower	...	...	1.1 b.h.p.
	Number of poles	...	...	4
	Wound	...	...	Series
	Drive	...	...	Pre-meshed pinion
	Brush part No.	...	...	4114432
	Nominal current	...	...	160 amp
	Normal torque	...	...	3 lb ft
	Stall current	...	...	325 amp
	Stall torque	...	...	7 lb ft
	No load current	...	...	20 to 25 amp
	Starter switch	...	...	Solenoid type on body, remote controlled

### LAMP BULB REPLACEMENTS

Headlamps, double filament	...	...	Two
High beam	...	...	45W
Low beam	...	...	40W
Headlamps, 124S	...	...	
Dual units	...	...	Four
Double filament bulb	...	...	45 W
High beam (both units)	...	...	40 W
Low beam (outboard unit)	...	...	Two
Front sidelamps, double filament	...	...	5W
Sidelight	...	...	20W
Direction indicator	...	...	Two x 3W
Direction side repeaters	...	...	Two
Rear lamps, single filament	...	...	20W
Direction indicator	...	...	Two
Rear lamps, double filament	...	...	5W
Rear light	...	...	20W
Stop light	...	...	Two x 5W
Number plate light	...	...	5W
Interior light	...	...	3W
Instrument panel light	...	...	3W
Engine compartment light	...	...	5W
Other compartment, indicator and warning lights	...	...	3W

## SISTEM START

## Starter

Jenis motor Tegangan dan tenaga output	Selain SK Mesin SK	Jenis konvensional 12V, 0,6 kW & 0,8 kW 12V, 0,7 kW	Jenis reduksi 12V, 1,0 kW
Sifat tanpa beban :			
Arus	0,6 kW 0,8 kW 0,7 kW (SK)	Kurang dari 55A pd. 11V Kurang dari 50A pd. 11V Kurang dari 50A pd. 11,5V	Kurang dari 80A pd. 11,5 V — —
Putaran	0,6 kW 0,8 kW 0,7 kW	3.500 rpm 5.000 rpm	Lebih dari 3.000 rpm. — —
Poros Armature	0,7 kW	(SK)	—
Diameter luar		Lebih dari 6.000 rpm	—
Lubang bos		12,43 – 12,44 mm	—
Celah poros ke bos		12,475 – 12,505 mm	—
		0,035 – 0,077 mm	—
		0,2 mm	—
Celah dorong (Thrust clearance)	Limit	1 mm	—
Komutator			
Diameter luar	0,6 kW	32,7 mm	30 mm
		Limit	29 mm
	(SK) 0,7 kW	STD	—
		28,0 mm	—
		Limit	—
		26,0 mm	—
	0,8 kW	STD	—
		28,0 mm	—
		Limit	—
		27,0 mm	—
Kelongsongan (runout)	Limit	0,4 mm	0,05 mm – 0,020 in.
Kedalaman milka	(SK)	0,4–0,8 mm	0,45 – 0,75 mm
		STD	—
		0,6 mm	—
		Limit	←
		0,2 mm	—
Sikat			
Panjang	0,6 kW	19 mm	13,5 mm
		STD	←
		Limit	—
	(SK) 0,7 kW	10 mm	—
		STD	—
		10 mm	—
		Limit	—
		6 mm	—
	0,8 kW	16 mm	—
		STD	—
		16 mm	—
		Limit	—
		10 mm	—
Kekencangan pegas	0,6 kW	1,05 – 1,35 kg	1,5 – 2,0 kg
		0,8 kW	—
		1,02 – 1,38 kg	—
		0,1 – 4,0 mm	—
Celah antara ujung pinion dan cincin penahan			

## SISTEM PENGAPIAN

## Distributor

Celah rubbing blok	0,45 mm
Celah udara	0,2 – 0,4 mm
Sudut Dwell	52° ± 6°
Celah dorong (thrust clearance) poros governor	0,15 – 0,50 mm
Tahanan signal generator	140 – 180 Ω

10-20

**SST & SPESIFIKASI SERVIS - Spesifikasi Servis****Kabel Tegangan Tinggi**

Tahanan	Limit	Kurang dari 25 $\Omega$ /kabel
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**B u s i**

Jenis	ND	NGK
Serie 2K, 3K, 4K	W16EP, W16EX-U	BP5EA-L, BP5EA-L
Serie 5K	W16EX-U	BP5EA-L, BP5EY
Celah	Mesin 5K Selain 5K	0,7 - 1,0 mm 0,8 mm

**SISTEM PENGISIAN****Alternator**

Daya arus yang dihasilkan	V/a IC regulator 30 A, 40 A, 45 A, 50 A	d/a IC regulator 45 A
Tahanan gulungan rotor (rotor coil)	3,9 - 4,1 $\Omega$	2,8 - 3,0 $\Omega$
Panjang peronjolan sikat	12,5 mm	←
STD	0,492 in.	←
Limit	5,5 mm	←
Limit	0,217 in.	←

**Regulator Alternator (Pengatur Alternator)**

Tegangan penyelelan	Trill type Built-in type	13,8 - 14,8 V (V/a IC regulator) 13,8 - 14,4 V (d/a IC regulator)
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