



SERVICE DATA

BATTERY CHAIN SAW

ECHO: DCS-2500T

(Serial number : 35000001 and after)

INTRODUCTION

We are constantly working on technical improvement of our products. For this reason, technical data, equipment and design are subject to change without notice. All specifications and directions in this SERVICE DATA are based on the latest product information available at the time of publication.

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Reference No. **02-08A-00**
ISSUED : 202002



1 SERVICE INFORMATION

1-1 Specifications

Dimensions*	Length	mm(in)	259 (10.2)
	Width	mm(in)	188 (7.4)
	Height	mm(in)	209 (8.2)
Dry weight**		kg(lb)	1.6 (3.5)
Motor	Type		DC electric motor
	Rotation		Clockwise as viewed from the output end
	Rated current	A	22.1
	Rated voltage	V	50.4
	Rated output	kW	0.91
Li-Ion Battery	Standard battery		LBP-560-100
	Rated voltage	V	50.4
	Capacity	Ah / Wh	1.82 / 92
	Weight	kg(lb)	1.0 (2.2)
Battery charger	Standard charger		LCJQ-560C
	Input voltage	V	AC220-240
	Rated output	V	58.1
Guide bar / Saw chain lubrication type			Automatic oil pump
Oil	Tank capacity	L (UK.fl.oz.)	0.12 (4.1)
Auto oiler	Type		Motor driven type
Sprocket	Type		Spur

* Without guide bar and saw chain ** Without battery, guide bar and saw chain

Cutting devices		Sprocket nose bar	Carving bar	
Guide bar	Type	C25S91-40SL	C25HA4-60CL	C20HA4-52CL
	Called length	cm	25	20
	Gauge	in	0.050	0.043
Saw chain	Type	OREGON 91PX	SUGIHARA A4S	
	Number of drive links	40	60	52
	Pitch	in	3/8	1/4
	Gauge	in	0.050	0.043
Sprocket	Number of teeth	6	8	
	Pitch	in	3/8	1/4

1-2 Technical data

Motor	Speed at maximum power	r/min	10000
Speed control		r/min	Low (4000 r/min) - High (10000 r/min)
Battery	Charging time	min.	24 (80%) / 42 (100%)
	Operating time/one charge*	min.	20.8
Chain oil discharge volume at 7,000 r/min		mL/min (US.fl.oz./min)	Adjustable : 1.8 - 12.5 (0.06 - 0.42)

*It varies according to work.

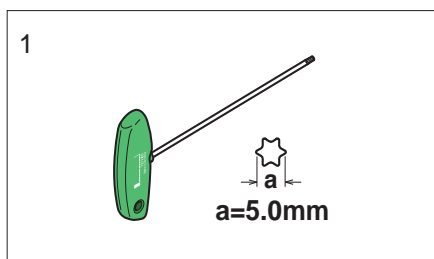
1-3 Torque limits

Descriptions		Size	kgf•cm	N•m	lbf•in
Motor	Motor assembly	M5	30 - 45	3 - 4.5	26 - 40
	Motor cover assembly	M4 [†]	20 - 35	2 - 3.5	17 - 30
Others	Front handle	M5 [†]	50 - 60	5 - 6	45 - 52
	Brake lever (Hand guard)	M5	30 - 40	3 - 4	26 - 35
	Brake cover	M4 [†]	20 - 35	2 - 3.5	17 - 30
	Chain catcher	M5	30 - 45	3 - 4.5	26 - 40
	Sprocket guard plate (Sprocket guard side)	M4 [†]	15 - 25	1.5 - 2.5	13 - 22
	Auto oiler assembly	M4 [†]	20 - 35	2 - 3.5	17 - 30
Regular bolt, nut and screw		M3	6 - 10	0.6 - 1	5 - 9
		M4	15 - 25	1.5 - 2.5	13 - 22
		M5	25 - 45	2.5 - 4.5	22 - 40

[†] Tapping screw

1-4 Special repairing materials

Material	Location	Remarks
Grease	Worm gear	EPNOC AP2 (Lithium based grease) P/N X695-000060

1-5 Special tool

Key	Part Number	Description	Reference
1	X602-000340	Torx wrench (T27)	Removing and installing torx bolt