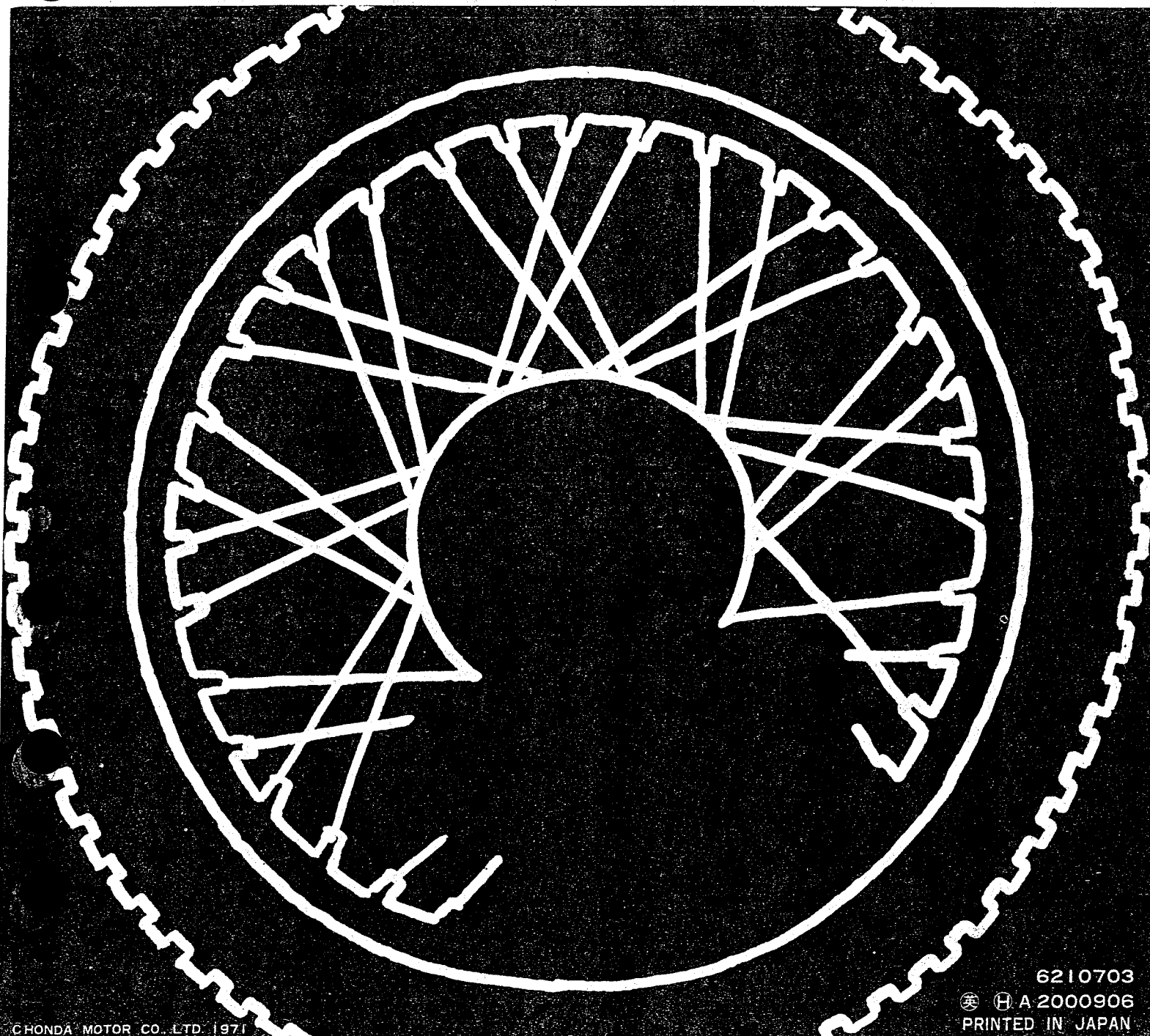


# SHOP MANUAL

**HONDA**

**100 · 125**

MODEL CB100.CL100.SL100  
CB125S.CD125S.SL125



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## FOREWORD

This Shop Manual is published as a guide to servicing the Honda 100•125. It provides the service technician with complete and proper servicing information. Further, the sales personnel will also gain the technical knowledge which is very beneficial in his work.

The manual is separated into five sections with the respective sections being further divided into disassembly, adjustment, and repair.

By closely following the instructions, the proper servicing can be performed with greater efficiency.

The information in this manual was in effect at the time of publication.

The information peculiar to TL125 is compiled at the back of this publication as a supplement.

# CONTENTS

<b>I. PROCEDURE OF PERFORMING THE WORK</b> .....	<b>1</b>
<b>SPECIAL TOOLS</b> .....	2
<b>II. MAINTENANCE OPERATIONS</b> .....	<b>5</b>
1. Tappet adjustment .....	5
2. Carburetor adjustment .....	5
3. Breaker point and ignition timing adjustment .....	6
4. Clutch adjustment .....	7
5. Spark plug inspection .....	7
6. Engine oil change .....	8
7. Oil filter cleaning .....	8
8. Cam chain adjustment .....	9
9. Fuel system inspection .....	9
10. Air cleaner element servicing .....	9
11. Brake adjustment .....	10
12. Drive chain adjustment .....	11
13. Battery electrolyte inspection .....	11
14. Front fork oil replacement .....	11
15. Cylinder compression check .....	12
<b>III. ENGINE</b> .....	<b>13</b>
1. Work which can be performed without removing the engine .....	14
2. Engine removal and installation .....	14
3. Cylinder, cylinder head and piston .....	15
4. Valve removal .....	20
5. Oil pump and oil filter .....	22
6. Clutch .....	25
7. Gear shift mechanism .....	27
8. Cam chain tensioner and A.C. generator .....	29
9. Crankshaft .....	30
10. Transmission and primary kick starter .....	32
11. Carburetor .....	35
<b>IV. CHASSIS</b> .....	<b>37</b>
1. Front brake and front wheel .....	37
2. Rear brake and rear wheel .....	40
3. Steering unit .....	43
4. Front suspension .....	45
5. Rear suspension .....	48
6. Frame body .....	50
<b>V. ELECTRICAL</b> .....	<b>53</b>
1. Generating system .....	53
2. Charging system .....	54
3. Ignition system .....	55
4. Battery .....	56
5. Auxiliary electrical equipment .....	58
<b>TROUBLE SHOOTING</b> .....	61
<b>PERIODICAL MAINTENANCE</b> .....	66
<b>TECHNICAL DATA</b> .....	67
<b>WIRING DIAGRAM</b> .....	68
<b>INDEX</b> .....	71

## SUPPLEMENT

● SERVICE TOOL .....	75	III ENGINE, CHASSIS AND	
I MAINTENANCE OPERATIONS .....	77	ELECTRICAL .....	85
1. Tappet clearance adjustment .....	77	● ENGINE .....	85
2. Carbretor adjustment .....	77	1. CLUTCH .....	85
3. Breaker point and ignition .....	77	2. TRANSMISSION .....	86
4. Oil filter cleaming .....	77	● CHASSIS .....	87
5. Engine oil change .....	78	1. Brake arm .....	87
6. Cam chain adjustment .....	78	2. Handle Bar .....	87
7. Fuel system inspection .....	78	3. Cables and read wires .....	87
8. Air cleaner maintenance .....	78	4. Front suspension .....	88
9. Clutch wire adjustment .....	79	A. Disassmbly notes .....	88
10. Drive chain adjustment .....	79	B. Inspection .....	89
11. Front Brake adjustment .....	80	C. Assembly .....	89
12. Rear Breke adjustment .....	80	● ELECTRICAL SYSTEM .....	90
13. Brake pedal height adjustment .....	81	1. A.C Generator .....	91
14. Gear change pedal height adjustment .....	81	A. Removal .....	92
15. Front suspension spring adjustment .....	81	B. Stator Inspection .....	92
16. Front fork oil change .....	81	● INSPECTION OF ELECTRICAL	
17. Cylinder compression inspection .....	82	ACCESSORIES .....	92
II ENGINE .....	83	TABLE OF OPTIONAL PARTS .....	93
1. IN-mortorcycle .....	83	SPECIFICATIONS .....	94
2. Engine removal and installation .....	83	MAINTENANCE SCHEDULE .....	95
A. Engine Romoval .....	83	TL125 WIRING DIAGRAM .....	96
B. Engine Installation Notes .....	84		

# I. PROCEDURE OF PERFORMING THE WORK

1. When performing an overhaul, all the parts which have been disassembled should be separated in their respective groups so that they will not become mixed.
2. All packings, gaskets and cotter pins which have been removed should be replaced with new items when reassembling. Any snap rings which are deformed should also be replaced.
3. All engine parts should be cleaned after disassembly. Metal surfaces which are subject to friction must be coated with oil.
4. The work should be performed with special tools for better results.
5. All nuts and bolts are normally torqued starting from those of large diameter and from inside to outside symmetrically.
6. Refer to torque values shown in the following table.

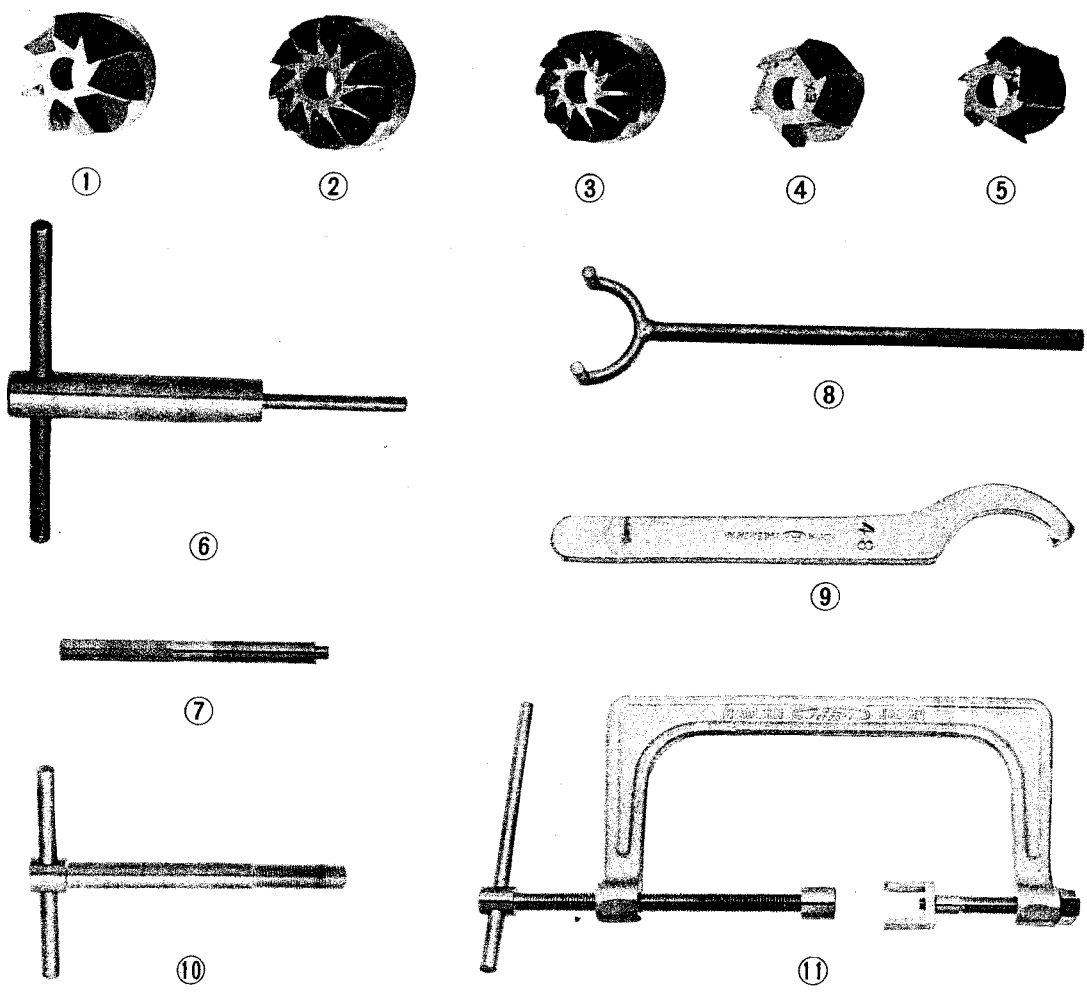
UNIT: kg-m (ft-lb)

Engine		Frame	
Item	Torque values	Item	Torque values
Cylinder head	1.8 ~ 2.0 (11.5 ~ 14.5)	Front axle nut	4.0 ~ 5.0 (29.0 ~ 36.0)
Spark advance	0.8 ~ 1.2 ( 5.8 ~ 8.7)	Rear axle nut	4.0 ~ 5.0 (29.0 ~ 36.0)
Cam sprocket	0.8 ~ 1.2 ( 5.8 ~ 8.7)	Rear fork pivot bolt	3.0 ~ 4.0 (21.7 ~ 29.0)
Cylinder mount bolt, 6 mm	1.2 ~ 1.8 ( 8.7 ~ 13.0)	Engine mounting bolt	2.0 ~ 2.5 (14.5 ~ 18.8)
Left crank case cover	0.8 ~ 1.2 ( 5.8 ~ 8.7)	Handle mounting bolt	0.9 ~ 1.1 (6.50 ~ 7.95)
A.C rotor	2.6 ~ 3.2 (18.8 ~ 23.2)	Steering stem nut	6.0 ~ 8.0 (43.3 ~ 57.8)
A.C generator mounting screw	0.8 ~ 1.2 ( 5.8 ~ 8.7)	Front cushion mounting bolt	4.0 ~ 5.0 (29.0 ~ 36.0)
Cam chain tensioner arm	0.8 ~ 1.2 ( 5.8 ~ 8.7)	Rear cushion mounting nut	3.0 ~ 4.0 (21.7 ~ 29.0)
Right crank case cover screw	0.8 ~ 1.2 ( 5.8 ~ 8.7)	Torque link mounting bolt	2.0 ~ 2.5 (14.5 ~ 18.0)
Oil filter cover screw	0.8 ~ 0.4 ( 2.2 ~ 2.9)	Top bridge lock nut	4.0 ~ 4.8 (29.0 ~ 34.7)
Oil filter (lock nut, 16 mm)	4.0 ~ 5.0 (29.0 ~ 36.0)	Final driven sprocket	2.0 ~ 2.5 (14.5 ~ 18.0)
Oil pump gear cover bolt	0.4 ~ 0.6 ( 2.9 ~ 4.4)	Seat mounting bolt	2.0 ~ 2.5 (14.5 ~ 18.0)
Clutch mounting bolt	0.8 ~ 1.2 ( 5.6 ~ 8.7)		
Gear shift drum stopper bolt	0.8 ~ 1.2 ( 5.6 ~ 8.7)		
Gear shift drum cam bolt	0.8 ~ 1.2 ( 5.6 ~ 8.7)		

### Standard parts

Bolt hex. 6 mm	0.8 ~ 1.2 kg/m (5.8 ~ 8.7)
Screw cross, 6 mm	0.8 ~ 1.2 kg/m (5.8 ~ 8.7)
Nut, 6 mm	0.8 ~ 1.2 kg/m (5.8 ~ 8.7)
Screw cross, 5 mm	0.3 ~ 0.4 kg/m (2.2 ~ 2.9)

**SPECIAL TOOLS**



Ref. No.	Tool No.	Description
	07000-10701	Special Tool Set for CB100 and CL100
	07001-11001	Special Tool Set for SL100
1	* 07001-10701	Valve seat 90° cutter
2	* 07003-10701	Inlet valve seat top cutter
3	* 07004-10701	Exhaust valve seat top cutter
4	* 07005-10701	Inlet valve seat interior cutter
5	* 07006-10701	Exhaust valve seat interior cutter
6	07007-00101	Valve seat cutter holder 5.5mm
7	07046-21601	Valve guide driver
8	07022-20001	Drive sprocket holder
9	07072-20001	Pin spanner, 48 mm
10	07011-03001	Dynamo rotor puller
11	07031-10701	Valve spring compressor