

SHOP MANUAL

HONDA CB500-550



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PREFACE

This shop manual describes the maintenance, inspection and adjustment procedures of the HONDA CB500, 550, 560F and 550K. The manual is divided into various functional groups to simplify the manual use. The pages for the respective groups are indexed on this page.

Each of the groups are divided further into sections: 1. Description, 2. Specifications, 3. Diagnosis, 4. Disassembly, 5. Inspection and 6. Reassembly. Photographs and illustrations are used to make the operations easy to understand.

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1. SERVICE PRECAUTIONS

1. Always replace gaskets, O-rings, cotter pins, etc. with new ones when reassembling.
2. When tightening bolts, nuts or screws, begin with the larger-diameter or inner ones first and tighten them to the specified torque in a criss-cross pattern.
3. Use genuine Honda-recommended parts and lubricants when servicing.
4. Be sure to use special tools where specified.
5. When working with another person take safety precautions.
6. Clean engine parts when disassembling. Coat their sliding surfaces with a high-quality lubricant when reassembling.
7. Coat or pack grease where specified.
8. After reassembling, check that each part is tightened properly and operating properly.

ENGINE

	Item	Qty	Torque Values	
			Kg-m	lbf-ft
1.	Tappet adjusting nut	8	1.1-1.5	8.0-10.8
2.	Cam sprocket knock bolt, 7x12	2	1.4-1.8	10.1-13.3
3.	Cylinder head nut, 8mm	12	2.0-2.2	14.5-15.5
4.	A. C. generator rotor set bolt	-	6.0-6.0	22.9-23.8
5.	Starting clutch screw, 6x18 cross flat head screw	2	0.8-1.2	5.7-8.8
6.	Upper crankcase bolt, 8x100 Flange hex bolt	2	2.0-2.5	14.5-18.1
7.	Upper crankcase bolt, 8x145 hex bolt	-	2.3-2.5	16.6-18.0
8.	Lower crankcase bolt, 8x100 hex bolt	10	2.0-2.5	14.5-18.1
9.	Connecting rod nut	8	2.0-2.2	14.5-15.9
10.	Oil pump screw, 6x86 cross flat head screw	3	0.8-1.2	5.7-8.8
11.	Clutch filter fixing bolt, 6x45 hex bolt	-	0.8-1.2	5.7-8.8
12.	Spark advance bolt, 6x35 Flange hex bolt	-	1.1-2.5	8.0-18.0
13.	Tachometer gear holder screw, 6x18 cross flat head screw	-	1.0-1.4	7.2-10.0
14.	Exhaust pipe flange nut, 6mm	8	0.8-1.2	5.7-8.8
15.	Oil pressure switch	-	1.5-2.0	10.5-14.5
16.	Gear shift lever bolt, 8x20 hex bolt	1	0.8-1.0	5.7-7.2
17.	Oil filter center bolt	1	2.7-3.5	18.8-23.8
18.	Spark plug	4	7.2-1.0	5.6-11.6
19.	Oil drain bolt	1	2.5-4.0	25.5-28.9
20.	Clutch spring, 3x20 hex bolt	4	1.0-1.4	7.2-10.1
21.	Tappet hole cap	8	1.0-1.4	7.2-10.1
22.	Oil path cap	1	1.0-1.4	7.2-10.1
23.	Gear shift return spring, 6mm bolt	1	2.0-2.0	14.5-20.7
24.	Drive sprocket	1	1.0-1.5	-
Standard parts			Kg-m	lbf-ft
SCREW pan 6mm			1.7-1.1	5.1-8.0
SCREW flat 6mm			1.3-1.2	5.8-8.7
BOLT hex 6mm			1.3-1.2	5.8-8.7
BOLT flange 6mm			1.0-1.4	7.2-10.1
NUT hex 6mm			1.3-1.2	5.8-8.7

FRAME

	Item	Qty	Torque values	
			kg-m	lbs-ft
1.	Rear brake pedal bolt, 8x28 hex bolt	1	1.9-2.5	13.0-19.1
2.	Foot peg nut, 12mm	2	5.0-6.0	36.2-43.4
3.	Engine hanger bolt A	5	2.0-4.0	21.7-29.9
4.	Engine hanger plate	6	1.0-2.5	13.0-19.1
5.	Rear fork pivot nut, 14mm	1	5.5-7.0	39.8-47.0
6.	Rear suspension upper nut, 13mm cap nut	2	2.0-4.0	21.7-29.9
7.	Rear suspension lower bolt, 10x32 hex bolt	2	3.0-4.0	21.7-29.9
8.	Oil bolt	3	3.4-4.0	24.6-28.9
9.	Realse stop switch	1	3.0-4.0	24.6-28.9
10.	Front brake disc nut, 8mm	6	1.8-2.5	12.0-16.1
11.	Brake oil joint, 6x28 hex bolt	1	0.8-1.0	5.5-6.7
12.	Brake hose joint	1	0.6-1.0	4.3-7.2
13.	Master cylinder bolt, 6x28 hex bolt	2	0.8-1.0	5.7-7.2
14.	Caliper set bolt	2	3.4-4.0	24.6-28.9
15.	Holder joint bolt, 8x40, 8x50 hex bolt	3	1.8-2.3	13.0-16.5
16.	Front fork bolt	2	5.0-5.5	36.8-47.0
17.	Steering stem nut	1	8.0-12.0	57.9-85.7
18.	Steering stem bolt, 10x40 hex bolt	2	3.0-4.0	21.7-29.9
19.	Rear wheel axle nut	1	9.0-10.0	67.8-73.8
20.	Front axle holder nut, 8mm	4	1.8-2.3	13.0-16.5
21.	Handlebar holder bolt, 8x40 hex bolt	4	1.5-2.8	13.0-16.6
22.	Front wheel axle nut	1	5.5-6.5	39.8-47.0
23.	Rear brake stopper arm bolt and nut, 6mm	1	1.5-2.9	13.0-16.6
24.	Fork top bridge bolt, 6x56 hex bolt	2	1.5-2.9	13.0-16.6
25.	Drive chain adjuster bolt and nut, 6mm hex bolt	2	3.5-2.0	10.8-14.5
26.	Drive chain adjuster stopper bolt	2	1.5-2.2	13.0-16.6
27.	Main stand pivot bolt, 8x40 hex bolt	2	1.0-2.0	10.8-14.5
28.	Rear foot peg nut, 12mm	2	4.5-6.0	32.5-43.4
29.	Caliper joint pin	1	1.8-2.5	13.0-16.1
30.	Bottom bridge	2	2.0-4.0	21.7-29.9
31.	Final driven sprocket	4	3.0-4.0	21.7-29.9
Standard parts				
Bolt hex, 6mm			0.5-1.2	3.5-8.7
Bolt hex, 8mm			1.5-2.3	11.4-16.6

2. SPECIAL TOOLS

* Except U.S.A. model, O=USML, X=NOT USML, (op)=optional tool

Ref. No.	Tool No.	Tool Name	CB 500	CB 550	Qty	Remarks
①	07902-2000000	Spanner, fit 48mm	O	O	1	
*②	07906-8230000	Wrench, box 12mm	O	O	1	Cylinder head locking nut
③	07902-8230000	Wrench, tappet adjusting	O	O	1	
*④	07909-8030000	Wrench, spark plug	O	O	1	
⑤	07910-8290100	Wrench, F retainer	O	O	1	Front hub dis/assembly
⑥	07910-8290200	Wrench, R retainer	O	O	1	Rear hub dis/assembly
⑦	07914-8280000	Pliers, Snap ring	O	O	1	Master cylinder piston dis/assembly
*⑧	07917-8290000	Wrench, hollow set 6mm	O	O	1	Front fork bottom case dis/assembly
⑨	07958-2160000	Roller, rotor	O	O	1	
⑩	07956-8290100	Shaft, hammer	O	X	1	Primary shaft removing (Use with item No. 11)
⑪	07956-8290200	Weight, hammer	O	X	2	
*⑫	07956-8740100	Shaft, sliding hammer	X	O	1	Primary shaft removing (Use with item No. 17)
⑬	07948-8290100	Driver, valve guide	O	O	1	
⑭	07948-8290200	Remover, valve guide	O	O	1	
*⑮	07945-8290100	Driver A, bearing	O	X	1	
⑯	07945-8290200	Driver B, bearing	O	X	1	
*⑰	07945-3730500	Weight, sliding hammer	X	O	1	
⑱	07945-8990800	Bearing driver attachment	X	O	1	
⑲	07945-8990600	Driver, attachment	X	O	1	Transmission bearing inner driver 6226 (Use with item No. 29)
⑳	07945-8990900	Driver, attachment	X	O	1	Rear hub bearing driver ATT 6225 (Use with item No. 29)
㉑	07945-8990700	Driver, attachment	X	O	1	Front hub bearing driver ATT 6902 (Use with item No. 25)
㉒	07947-8290000	Guide, fork seal	O	O	2	
㉓	07949-6010000	Driver, handle	X	O	1	Use with item Nos. 18, 19, 20, and 21
㉔	07958-8290000	Remover, bell case	X	O	1	
㉕	07954-8760000	Compressor, piston ring	O	O	2	
㉖	07967-8290000	Compressor, valve spring	O	O	1	
㉗	07958-2500000	Base, Piston	O	O	2	
㉘	07958-8290000	Compressor, shock absorber	O	O	1	
㉙	07967-8280100	Attachment A, driver	O	X	1	
㉚	07967-8280200	Attachment B, driver	O	X	1	
㉛	07967-8290000	Attachment remover	O	X	1	
㉜	07974-8290100	Piston cap guide	O	O	1	
㉝	07974-8290200	Cap guide	O	X	1	
㉞	07964-0820000	Reamer, valve guide	X	O	1	
㉟	07908-2290000	Wrench, carburetor adjusting	O	O	1	(op)
㊱	07904-3000100	Gauge set, vacuum	O	O	1	Carburetor adjusting (op)
㊲	07975-3030001	Tool set, chain joint	O	O	1	(op)
	07901-3010000	Gauge, Hot level	O	O	1	



