

Honda CBR600F - A History of the Marque (UK models)

This motorcycle was manufactured for 20 years from 1987 to 2006 and the different UK models can be described by either :-

four generations CBR600F1 to CBR600F4i or 20 years of models CBR600F-H to CBR600F-6

Year	Model	Generation	Type
1987	CBR600F-H	1 st generation F1	PC19
1988	CBR600F-J	"	PC19
1989	CBR600F-K	"	PC23
1990	CBR600F-L	"	PC23
1991	CBR600F-M	2 nd generation F2	PC25
1992	CBR600F-N	"	PC25
1993	CBR600F-P	"	PC25
1994	CBR600F-R	"	PC25
1995	CBR600F-S	3 rd generation F3	PC31
1996	CBR600F-T	"	PC31A
1997	CBR600F-V	"	PC31A
1998	CBR600F-W	"	PC31A
1999	CBR600F-X	4 th generation F4	PC35A
2000	CBR600F-Y	"	PC35A
2001	CBR600F-1	4 th generation F4i	PC35E
2002	CBR600F-2	"	PC35E
2003	CBR600F-3	"	PC35E
2004	CBR600F-4	"	PC35F
2005	CBR600F-5	"	PC35F
2006	CBR600F-6	"	PC35F

Year	Model	Engine Number	VIN Range
1987	CBR600F-H	PC19E2000081 onwards	PC19 2000017 - 2008955
1988	CBR600F-J	PC19E2102061 onwards	PC19 2100101 - 2106485
1989	CBR600F-K	PC23E2000049 onwards	PC23 2000144 - 2008231
1990	CBR600F-L	PC23E2100677 onwards	PC23 2100659 - 2107310
1991	CBR600F-M	PC25E2000105 onwards	PC25 2000059 - 2011020
1992	CBR600F-N	PC25E2103197 onwards	PC25 2100030 - 2115605
1993	CBR600F-P	PC25E2206510 onwards	PC25 2201237 - 2212108
1994	CBR600F-R	PC25E2305716 onwards	PC25 2300751 - 2312384
1995	CBR600F-S	PC25E2400095 onwards	PC31 2000062 - 2010685
1996	CBR600F-T	PC25E2500001 onwards	JH2PC31A0TM000001 - 006864
1997	CBR600F-V	PC25E2600001 onwards	JH2PC31A0VM100001 - 104134
1998	CBR600F-W	PC25E2700001 onwards	JH2PC31A0WM200001 - 204690
1999	CBR600F-X	PC35E2000001 onwards	JH2PC35A0XM000001 - 099999
2000	CBR600F-Y	PC35E2100001 onwards	JH2PC35A0YM100001 - 199999
2001	CBR600F-1	PC35E2200001 onwards	JH2PC35E01M200001 - 299999
2002	CBR600F-2	PC35E2300001 onwards	JH2PC35E02M300001 - 399999
2003	CBR600F-3	PC35E2400001 onwards	JH2PC35E03M400001 - 499999
2004	CBR600F-4	PC35E2500001 onwards	JH2PC35F04M500001 - 599999
2005	CBR600F-5	PC35E2600001 onwards	JH2PC35F05M600001 - 699999
2006	CBR600F-6	PC35E2700001 onwards	JH2PC35F06M700001 - 799999

The CBR600F was manufactured at the Hamamatsu factory in Japan. The letter M in the VIN indicated this.

Specification	F1 (1987 F-H, 1988 F-J, 1989 F-K, 1990 F-L)	
engine type	liquid cooled, inline 4 cylinder, 4 stroke, DOHC, 16 valve	
displacement	598cc	
bore x stroke	63.0 x 48.0 mm	
compression ratio	11.0 : 1 (1987)	11.3 : 1 (1989)
engine output	85 bhp (63.4 kW) @ 11,000 rpm (1987)	93 bhp (69.4 kW) @ 11,000 rpm (1989)
engine torque	59 Nm @ 8,000 rpm (1987)	62 Nm @ 10,500 rpm (1989)
redline	12,000 rpm	
carburation	4 off 32 mm CV carburettors (1987)	4 off 32.5 mm CV carburettors (1989)
gearbox	6 speed	
frame	steel box-section twin spar	
rake angle & trail	26° & 104 mm	
wheelbase	1410 mm	
ground clearance	140 mm	
seat height	770 mm	
weight	dry 182 kg wet +/- 201 kg (1987)	dry 186 kg wet +/- 205 kg (1989)
fuel tank	16.5 litres	
front suspension	37 mm oil damped cartridge-type telescopic forks (adjustable with air pressure)	
rear suspension	single shock absorber with gas charged damper (adjustable spring pre-load, damping adjuster on 1990 only)	
axle travel	front 130 mm rear 110 mm (1987)	front 120 mm rear 110 mm (1989)
front brakes	twin 276 mm discs with 2 piston calipers	
rear brakes	single 220 mm disc with single piston caliper	
front wheel	17" x 2.5" three spoke, cast alloy	
rear wheel	17" x 3.5" three spoke, cast alloy	

Changes

1989 F-K Revised cylinder head porting, valve timing, recontoured pistons and combustion chambers - resulting in higher compression.
Larger carbs.
Top speed increased from 140 to 145 mph.



1989 Honda CBR600F-K

Specification	F2 (1991 F-M, 1992 F-N, 1993 F-P, 1994 F-R)
engine type	liquid cooled, inline 4 cylinder, 4 stroke, DOHC, 16 valve
displacement	599cc
bore x stroke	65.0 x 45.2 mm
compression ratio	11.6 : 1
engine output	100 bhp (74.6 kW) @ 12,000 rpm
engine torque	64 Nm @ 10,500 rpm
redline	13,000 rpm
carburation	4 off 34 mm CV carburetors
gearbox	6 speed
frame	steel box-section twin spar
rake angle & trail	25° & 94 mm
wheelbase	1405 mm
ground clearance	---
seat height	810 mm
weight	dry 185 kg wet +/- 213 kg
fuel tank	16 litres
front suspension	41 mm oil damped cartridge-type telescopic forks (1991-1992 adjustable spring pre-load) (1993-1994 adjustable spring pre-load & rebound damping)
rear suspension	single shock absorber with gas charged damper (1991-1992 adjustable spring pre-load & rebound damping) (1993-1994 adjustable spring pre-load, rebound & compression damping)
axle travel	front 130 mm rear 110 mm
front brakes	twin 276 mm discs with 2 piston calipers
rear brakes	single 220 mm disc with single piston caliper
front wheel	17" x 3.5" six spoke, cast alloy
rear wheel	17" x 4.5" six spoke, cast alloy

Changes

- 1991 F-M A complete overhaul of the bike.
 Engine more compact and lighter, with modifications to reduce internal friction.
 Engine got a bigger bore and shorter stroke, allowing higher revs and more power.
 Carbs increased from 32.5 to 34 mm.
 Stiffer frame.
 Oil cooler incorporated in the engine.
 Stronger 41 mm forks and suspension revised.
 Shorter wheelbase.
 6 spoke wheels, wider rims.
 Top speed 147 mph.
- 1993 F-P Front suspension rebound damping made stepless. Rear damping fully adjustable.



1991 Honda CBR600F-M

Specification	F3 (1995 F-S, 1996 F-T, 1997 F-V, 1998 F-W)
engine type	liquid cooled, inline 4 cylinder, 4 stroke, DOHC, 16 valve
displacement	599cc
bore x stroke	65.0 x 45.2 mm
compression ratio	12 : 1
engine output	73.5 kW (100 PS) @ 12,000 rpm (1995) 77 kW (105 PS) @ 12,000 rpm (1997)
engine torque	64 Nm @ 10,500 rpm (1995) 66 Nm @ 10,500 rpm (1997)
redline	13,300 rpm
carburation	4 off 36 mm CV carburettors, ram air induction
gearbox	6 speed
frame	steel box-section twin spar
rake angle & trail	25° & 94 mm
wheelbase	1405 mm
ground clearance	---
seat height	810 mm
weight	dry 185 kg wet +/- 215 kg
fuel tank	17 litres
front suspension	41 mm oil damped cartridge-type telescopic forks (adjustable spring pre-load & rebound damping)
rear suspension	single shock absorber with gas charged damper (adjustable spring pre-load, rebound & compression damping)
axle travel	front 118 mm rear 110 mm (1995) front 118 mm rear 119 mm (1997)
front brakes	twin 296 mm discs with 2 piston calipers
rear brakes	single 220 mm disc with single piston caliper
front wheel	17" x 3.5" six spoke, cast alloy
rear wheel	17" x 5.0" six spoke, cast alloy

Changes

- 1995 F-S New ram air intake system.
 New electronic 3D mapping on ignition control.
 Increased compression ratio, now 12:1.
 Carbs increased to 36 mm.
 Frame modified/tuned.
 Cooling improved with a curved radiator and bigger oil cooler.
 Exhaust downpipes interconnected between cylinders 1 & 2, 3 & 4, boosting mid-range.
 Front brake upgraded to 296 mm discs, though still with two piston calipers.
 Rear wheel widened from 4½" to 5" to allow for fatter tyre.
- 1997 F-V Engine modified to increase power to 105 bhp. Top speed 150 mph.



1998 Honda CBR600F-W

Specification**F4 (1999 F-X, 2000 F-Y)**

engine type	liquid cooled, inline 4 cylinder, 4 stroke, DOHC, 16 valve
displacement	599cc
bore x stroke	67.0 x 42.5 mm
compression ratio	12 : 1
engine output	81 kW (110 PS) @ 12,500 rpm
engine torque	67 Nm @ 10,500 rpm
redline	13,500 rpm
carburation	4 off 36.5 mm CV carburetors, ram air induction
gearbox	6 speed
frame	aluminium box-section twin spar
rake angle & trail	24° & 96 mm
wheelbase	1395 mm
ground clearance	135 mm
seat height	810 mm
weight	dry 170 kg wet +/- 200 kg
fuel tank	18 litres
front suspension	43 mm oil damped cartridge-type telescopic forks (adjustable spring pre-load, rebound & compression damping)
rear suspension	single shock absorber with gas charged damper (adjustable spring pre-load, rebound & compression damping)
axle travel	front & rear 120 mm
front brakes	twin 296 mm discs with 4 piston calipers
rear brakes	single 220 mm disc with single piston caliper
front wheel	17" x 3.5" three spoke, cast alloy
rear wheel	17" x 5.5" three spoke, cast alloy

Changes

- 1999 F-X Aluminium twin spar frame, which reduced frame weight by 7 kg.
Engine crankcase designed to share swing-arm pivot.
Reduction in engine internal weight and friction.
Engine had a bigger bore, shorter stroke and larger valves, enabling even higher revs.
Compact oil cooler now located with oil filter.
Size of carbs increased slightly.
Larger 43 mm forks and new suspension system.
Ignition coils built into spark plug caps.
Front brakes upgraded, using Fireblade parts.
New 3 spoke wheels. Rear rim increased to 5.5".
Honda's HISS engine immobiliser system fitted.
Top speed 155 mph.



2000 Honda CBR600F-Y

Specification	F4i (2001 F-1, 2002 F-2, 2003 F-3, 2004 F-4, 2005 F-5, 2006 F-6)
engine type	liquid cooled, inline 4 cylinder, 4 stroke, DOHC, 16 valve
displacement	599cc
bore x stroke	67.0 x 42.5 mm
compression ratio	12 : 1
engine output	81 kW (110 PS) @ 12,500 rpm (2001-2004) 80 kW (109 PS) @ 12,500 rpm (2005-2006)
engine torque	65 Nm @ 10,500 rpm (2001) 63 Nm @ 10,000 rpm (2002-2006)
redline	14,200 rpm
carburation	PGM-FI (programmed fuel injection), throttle bore 38 mm, ram air induction
gearbox	6 speed
frame	aluminium box-section twin spar
rake angle & trail	24° & 96 mm
wheelbase	1390 mm
ground clearance	135 mm
seat height	810 mm (2001-2003) 805 mm (2004-2006)
weight	dry 170 kg wet +/- 200 kg
fuel tank	18 litres
front suspension	43 mm oil damped cartridge-type telescopic forks (2001-2004 adjustable spring pre-load, rebound & compression damping) (2005-2006 non-adjustable)
rear suspension	single shock absorber with gas charged damper (2001-2004 adjustable spring pre-load, rebound & compression damping) (2005-2006 adjustable spring pre-load)
axle travel	front & rear 120 mm
front brakes	twin 296 mm discs with 4 piston calipers
rear brakes	single 220 mm disc with single piston caliper
front wheel	17" x 3.5" three spoke, hollow section, cast alloy
rear wheel	17" x 5.5" three spoke, hollow section, cast alloy

Changes

- 2001 F-1 Fuel injection installed.
Electronic control unit that monitors both the injection and ignition systems.
Stronger steering head and modified rear swing-arm pivot.
Wheelbase reduced by 5 mm.
Lighter 3 spoke wheels.
Twin 'fox-eye' headlight.
New digital instrument display, except for rev counter.



2006 Honda CBR600F-6