# Honda CB750 SC Nighthawk Specifications 1982 to 2003

## 1982 CB750SC Nighthawk 750

- ENGINE
  - N/A
- DRIVETRAIN
  - N/A
- CHASSIS / SUSPENSION / BRAKES
  - N/A
- DIMENSION
  - N/A
- OTHER
  - It was available in one of two colors: Candy Flair Blue or Cosmo Black Metallic
  - The tank and side cover stripe were chrome with red pinstripes
  - The speedometer had a 85 mph (135 kph) limit
  - The engine was a 749cc DOHC 4-valve inline four cylinder linked to a 5-speed transmission and a chain drive
  - The serial number began JH2RC012*CM000019.

1982 CB750SC

## 1983 CB750SC Nighthawk 750

- ENGINE
  - Engine type: Four cylinder DOHC 16-valve
  - Displacement: 749cc
  - Bore and stroke: 62mm x 62mm
  - Compression ratio: 9:1

    - Fuel delivery: Four 30mm CV-type Carburetors
    - Ignition system: Transistorized Pointless
    - Exhaust system: Four-into-four
    - Starting system: Electric
    - Fuel type: Regular gasoline
- DRIVETRAIN
    - Transmission: Five-speed constant mesh
    - Clutch: Wet multi-plate
    - Final Drive: Chain
    - Wheels: Honda cast wheels
- CHASSIS / SUSPENSION / BRAKES
    - Front Suspension: Air assisted Telescopic Fork with TRAC™ Anti-Dive with dual Syntallic™ bushings
    - Rear Suspension: Swing arm and VHD™ shocks with five preload settings
    - Front Brakes: Double piston caliper dual disc
    - Rear Brakes: Drum
- DIMENSION
    - Wheelbase: 1545mm (60.8 in)
    - Overall length: 2290mm (90.1 in.)
    - Overall width: 850mm (33.5 in.)
    - Seat height: 785 mm(30.9 in.)
    - Dry Weight: 241 kg (531 lb)
    - Fuel capacity: 17.5 liters (4.6 GalUS)
- OTHER
    - Colors:
        - Black
        - Candy Wineberry Red
    - The stripe on the black bike was gray with white pinstripes; but on the red bike the stripe was black with white pinstripes
    - The speedometer had a 150 mph (240 kph) limit.
    - The serial number began JH2RC012*DM100001.

Classic Cycles Technical Resources

1983 CB750SC

# 1984 CB750S Nighthawk S 750

- ENGINE
  - N/A
- DRIVETRAIN
  - N/A
- CHASSIS / SUSPENSION / BRAKES
  - N/A
- DIMENSION
  - N/A
- OTHER
  - Engine: 747cc
  - Power: 85 hp
  - Valves: 16-valve, Hydraulic Valve Adjuster system
  - Transmission: 5-speed plus overdrive sixth
  - Wheelbase: 1485mm (58.5 in)
  - Seat height: 795 mm(31.3 in.)

- Weight: 214 kg (471.7 lb)
- The serial number began JH2RC012*EM100001.

1984 CB750S

# 1991 CB750 Nighthawk 750

- ENGINE
  - N/A
- DRIVETRAIN
  - N/A
- CHASSIS / SUSPENSION / BRAKES
  - N/A
- DIMENSION
  - N/A
- OTHER
  - It was available in one color: Candy Bourgogne Red
  - The "HONDA" and wing tank decal and the "NIGHTHAWK" side cover decal were silver
  - It was chain driven
  - The engine was based on the European model CBX750F
  - It was a 747cc DOHC 16 valve inline four cylinder linked to a 5-speed
  - The serial number began JH2RC380*MM000019.

Classic Cycles Technical Resources

1991 CB750

# 1992 CB750 Nighthawk 750

- ENGINE
    - N/A
- DRIVETRAIN
    - N/A
- CHASSIS / SUSPENSION / BRAKES
    - N/A
- DIMENSION
    - N/A
- OTHER
    - It was available in one of two colors: Candy Bourgogne Red or Black
    - The serial number began JH2RC380*NM100001.

1992 CB750

# 1993 CB750 Nighthawk 750

- ENGINE
    - N/A
- DRIVETRAIN
    - N/A
- CHASSIS / SUSPENSION / BRAKES
    - N/A
- DIMENSION
    - N/A
- OTHER
    - It was available in one of three colors: Candy Bourgogne Red, Black, or Candy Tahitian Blue
    - The serial number began JH2RC380*PM200001.

1993 CB750

# 1995 CB750 Nighthawk 750

- ENGINE
  - N/A
- DRIVETRAIN
  - N/A
- CHASSIS / SUSPENSION / BRAKES
  - N/A
- DIMENSION
  - N/A
- OTHER
  - It was available in one of two colors: Magna Red or Black
  - The side cover graphics were redesigned
  - The lower front forks had a polished aluminum finish
  - The bike had a chromed headlight case and mounting bracket
  - The serial number began JH2RC380*SM300007.

Cycle Technical Resources

1995 CB750

# 1996 CB750 Nighthawk 750

- ENGINE
  - N/A
- DRIVETRAIN
  - N/A
- CHASSIS / SUSPENSION / BRAKES

    - N/A
- DIMENSION
    - N/A
- OTHER
    - It was available in one of two colors: Black or Pearl Shinning Yellow
    - The engine had a black finish
    - The cylinders had polished head fin edges
    - The serial number began JH2RC380*TM400001.

1996 CB750

# 1997 CB750 Nighthawk 750

- ENGINE
    - N/A
- DRIVETRAIN
    - N/A
- CHASSIS / SUSPENSION / BRAKES
    - N/A
- DIMENSION
    - N/A
- OTHER
    - It was available in one of two colors: Black or Pearl Shinning Yellow
    - The serial number began JH2RC380*VM500001.

1997 CB750

# 1998 CB750 Nighthawk 750

- ENGINE
  - N/A
- DRIVETRAIN
  - N/A
- CHASSIS / SUSPENSION / BRAKES
  - N/A
- DIMENSION
  - N/A
- OTHER
  - It was available in one color: Black
  - The serial number began JH2RC380*WM600001.

1998 CB750

Classic Cycles Technical Resources

# 1999 CB750 Nighthawk 750

- ENGINE
  - Engine Type: 747 cc, 4 Stroke - Liquid Cooled - Inline Four
  - Bore and Stroke: 67 mm x 53 mm
  - Valves: 4 valves/cylinder
  - Horsepower: 75 hp (55.9 kW) @ 8500 rpm
  - Maximum Torque: 64 Nm (47.2 ft. lbs) @ 7500 rpm
- DRIVETRAIN
  - Transmission: type: 5 speed
  - Final Drive: Chain
- CHASSIS / SUSPENSION / BRAKES
  - Front Tire: 110/80-18
  - Rear Tire: 140/70-17
  - Front Brakes: single 296 mm disc with 2-piston calipers
  - Rear Brakes: 180 mm drum
- DIMENSION
  - Seat Height: 785 mm (30.9 inches)
  - Wheelbase: 1506 mm (59.3 inches)
  - Fuel Capacity: 18 litres (4.8 Gal)
  - Dry weight: (without fluids): 215 kg (474 pounds)
- OTHER

# 2000 CB750SC Nighthawk 750

- ENGINE
  - Engine: Type: 747cc (45.6 cu-in.) air-cooled inline four-cylinder
  - Bore and Stroke: 67.0mm x 53.0mm
  - Compression Ratio: 9.3: 1
  - Engine: weight 179.2 lb.
  - Firing order: 1-2-4-3
  - Cylinder arrangement: Inline 4 L1-2-3-4R
  - Lubrication system: Forced pressure & set sump
  - Oil pump type: Trochoid
  - Oil filter: Paper filter (Fram PH6017A)
  - Compression ratio: 9.3: 1
  - Cooling system: Air cooled
  - Valve train: DOHC chaindrive with rocker arm Air filtration Paper filter (pleated)
  - Intake valve opens: 0 ° BTDC
  - Intake valve closes: 35 ° ABDC
  - Exhaust valve opens: 30 ° BBDC
  - Exhaust valve closes: -5 ° ATDC
  - Valve Train: DOHC; four valves per cylinder
  - Fuel Delivery: Four 34mm CV
  - Throttle bore 1.3 in. (34mm)
  - Ignition: Solid-state
  - Standard NGK DPR 8EA-9
  - Standard Nippondenso X24EPR-U9
  - Spark Plug gap 0.03-0.04 in. (0.8-0.9mm)
- DRIVETRAIN
  - Transmission: Five-speed
  - Clutch system Multi-plate wet
  - Clutch operation Manual
  - Primary reduction 1.780 (73/ 41)
  - Final reduction 2.533 (38/ 15)
  - Gear ratio 1st 3.00: 1 (42/ 14)
  - Gear ratio 2nd 2.056: 1 (37/ 18)
  - Gear ratio 3rd 1.545: 1 (34/ 22)
  - Gear ratio 4th 1.240: 1 (31/ 25)
  - Gear ratio 5th 1.074: 1 (29/ 27)
  - Gearshift pattern 1-N-2-3-4-5
  - Final Drive: O-ring-sealed chain
  - DID chain DID 525 V9/ 110
  - RK chain RK 525 SM4/ 110
- CHASSIS / SUSPENSION / BRAKES
  - Frame type Double cradle
  - Front Suspension: 41mm Telescopic fork ; 5.5-inch travel
  - Front wheel travel 5.5 in.

    - Rear damper Dual spring & shock Trail length 4.6 in.
    - Rear Suspension: Dual rear shocks with five-position spring-preload adjustability; 4.3-inch travel
    - Rear wheel travel 4.3 in.
    - Caster angle 29 °
    - Front Brake: Hydraulic Single disc with twin-piston caliper
    - Rear Brake: Drum
    - Front Tire type: Dunlop K505F
    - Front tire size 110/ 80-18 58H
    - Rear Tire type: Dunlop K505
    - Rear tire size 140/ 70-17 66H
- ELECTRICAL
    - Alternator charging coil 0.4 -0.6 ohms
    - Alternator field coil 2.1 -2.6 ohms
    - Front turn signal/ running light 12 Volt, 32 & 3 CP
    - Rear turn signal/ light 12 Volt, 32 CP
    - Regulator / rectifier regulated voltage/ amperage 13.0 -15.0 V/ below 0.5A/ 2,000 rpm
    - Instrument lights 3 bulbs 12 Volt / 1.7 Watt
    - Battery capacity 12V @ 14 Ah
    - Oil warning light 12 Volt @ 3 Watt
    - Normal Batt charging rate 1.4 A / 10h
    - Side stand warning light 12 Volt, 3 Watt
    - Main fuse 30 A
    - High beam indicator light 12 Volt, 3 Watt
    - Other fuses two 10 A, one 15 A
    - Turn signal indicator light 12 Volt, 3.4 Watt
    - Headlight (high/ low beam) 12 Volt, 60/55
    - Watt Neutral indicator light 12 Volt, 3 Watt
    - Tail / brake light 12 Volt, 3 & 32 CP
- DIMENSION
    - Overall length 86.0 in.
    - Overall width 31.5 in.
    - Ground clearance 5.5 in.
    - Overall height 44.7 in.
    - Curb weight 498 lb.
    - Footpeg height 12.6 in.
    - Max weight capacity 364 lb
    - Wheelbase: 59.3 inches
    - Seat Height: 30.9 inches
    - Dry Weight: 463.0 pounds
    - Fuel Capacity: Fuel tank capacity 4.76 US gal (18 liters), Reserve capacity 0.79 US gal. (3.0 liters)
    - Engine: Oil Capacity at draining 2.8 U. S. quarts (2.7 liters)
    - Engine: Oil Capacity with filter change 3.1 U. S. quarts (3.0 liters)
- OTHER

Classic Cycles Technical Resources

    - Color: Black

# 2001 CB750SC Nighthawk 750

- ENGINE
    - Engine: Type: 747cc (45.6 cu-in.) air-cooled inline four-cylinder
    - Bore and Stroke: 67.0mm x 53.0mm
    - Compression Ratio: 9.3: 1
    - Engine: weight 179.2 lb.
    - Firing order 1-2-4-3
    - Cylinder arrangement Inline 4 L1-2-3-4R
    - Lubrication system Forced pressure & set sump
    - Oil pump type Trochoid
    - Oil filter Paper filter (Fram PH6017A)
    - Compression ratio 9.3: 1 Cooling system Air cooled
    - Valve train DOHC chaindrive with rocker arm Air filtration Paper filter (pleated)
    - Intake valve opens 0 ° BTDC
    - Intake valve closes 35 ° ABDC
    - Exhaust valve opens 30 ° BBDC
    - Exhaust valve closes -5 ° ATDC
    - Valve Train: DOHC; four valves per cylinder
    - Fuel Delivery: Four 34mm CV
    - Throttle bore 1.3 in. (34mm)
    - Ignition: Solid-state
    - Standard NGK DPR 8EA-9
    - Standard Nippondenso X24EPR-U9
    - Spark Plug gap 0.03-0.04 in. (0.8-0.9mm)
- DRIVETRAIN
    - Transmission: Five-speed
    - Clutch system Multi-plate wet
    - Clutch operation Manual
    - Transmission: 5 speed
    - Primary reduction 1.780 (73/ 41)
    - Final reduction 2.533 (38/ 15)
    - Gear ratio 1st 3.00: 1 (42/ 14)
    - Gear ratio 2nd 2.056: 1 (37/ 18)
    - Gear ratio 3rd 1.545: 1 (34/ 22)
    - Gear ratio 4th 1.240: 1 (31/ 25)
    - Gear ratio 5th 1.074: 1 (29/ 27)
    - Gearshift pattern 1-N-2-3-4-5
    - Final Drive: O-ring-sealed chain
    - DID chain DID 525 V9/ 110
    - RK chain RK 525 SM4/ 110
- CHASSIS / SUSPENSION / BRAKES
    - Frame type Double cradle

- Front Suspension: 41mm Telescopic fork ; 5.5-inch travel
- Front wheel travel 5.5 in.
- Rear damper Dual spring & shock Trail length 4.6 in.
- Rear Suspension: Dual rear shocks with five-position spring-preload adjustability; 4.3-inch travel
- Rear wheel travel 4.3 in.
- Caster angle 29 °
- Front Brake: Hydraulic Single disc with twin-piston caliper
- Rear Brake: Drum
- Tire type, front Dunlop K505F
- Front tire size 110/ 80-18 58H
- Tire type, rear Dunlop K505
- Rear tire size 140/ 70-17 66H

- ELECTRICAL
  - Alternator charging coil 0.4 -0.6 ohms
  - Alternator field coil 2.1 -2.6 ohms
  - Front turn signal/ running light 12 Volt, 32 & 3 CP
  - Rear turn signal/ light 12 Volt, 32 CP
  - Regulator / rectifier regulated voltage/ amperage 13.0 -15.0 V/ below 0.5A/ 2,000 rpm
  - Instrument lights 3 bulbs 12 Volt / 1.7 Watt
  - Battery capacity 12V @ 14 Ah
  - Oil warning light 12 Volt @ 3 Watt
  - Normal Batt charging rate 1.4 A / 10h
  - Side stand warning light 12 Volt, 3 Watt
  - Main fuse 30 A
  - High beam indicator light 12 Volt, 3 Watt
  - Other fuses two 10 A, one 15 A
  - Turn signal indicator light 12 Volt, 3.4 Watt
  - Headlight (high/ low beam) 12 Volt, 60/55
  - Watt Neutral indicator light 12 Volt, 3 Watt
  - Tail / brake light 12 Volt, 3 & 32 CP
- DIMENSION
  - Overall length 86.0 in.
  - Overall width 31.5 in.
  - Ground clearance 5.5 in.
  - Overall height 44.7 in.
  - Curb weight 498 lb.
  - Footpeg height 12.6 in.
  - Max weight capacity 364 lb
  - Wheelbase: 59.3 inches
  - Seat Height: 30.9 inches
  - Dry Weight: 463.0 pounds
  - Fuel Capacity: Fuel tank capacity 4.76 US gal (18 liters), Reserve capacity 0.79 US gal. (3.0 liters)
  - Engine: Oil Capacity at draining 2.8 U. S. quarts (2.7 liters)

Classic Cycles Technical Resources

    - Engine: Oil Capacity with filter change 3.1 U. S. quarts (3.0 liters)
- OTHER
    - Color: Black

# 2002 CB750SC Nighthawk 750

- ENGINE
    - Engine: Type: 747cc (45.6 cu-in.) air-cooled inline four-cylinder
    - Bore and Stroke: 67.0mm x 53.0mm
    - Compression Ratio: 9.3: 1
    - Engine: weight 179.2 lb.
    - Firing order 1-2-4-3
    - Cylinder arrangement Inline 4 L1-2-3-4R
    - Lubrication system Forced pressure & set sump
    - Oil pump type Trochoid
    - Oil filter Paper filter (Fram PH6017A)
    - Compression ratio 9.3: 1 Cooling system Air cooled
    - Valve train DOHC chaindrive with rocker arm Air filtration Paper filter (pleated)
    - Intake valve opens 0 ° BTDC
    - Intake valve closes 35 ° ABDC
    - Exhaust valve opens 30 ° BBDC
    - Exhaust valve closes -5 ° ATDC
    - Valve Train: DOHC; four valves per cylinder
    - Fuel Delivery: Four 34mm CV
    - Throttle bore 1.3 in. (34mm)
    - Ignition: Solid-state
    - Standard NGK DPR 8EA-9
    - Standard Nippondenso X24EPR-U9
    - Spark Plug gap 0.03-0.04 in. (0.8-0.9mm)
- DRIVETRAIN
    - Transmission: Five-speed
    - Clutch system Multi-plate wet
    - Clutch operation Manual
    - Transmission: 5 speed
    - Primary reduction 1.780 (73/ 41)
    - Final reduction 2.533 (38/ 15)
    - Gear ratio 1st 3.00: 1 (42/ 14)
    - Gear ratio 2nd 2.056: 1 (37/ 18)
    - Gear ratio 3rd 1.545: 1 (34/ 22)
    - Gear ratio 4th 1.240: 1 (31/ 25)
    - Gear ratio 5th 1.074: 1 (29/ 27)
    - Gearshift pattern 1-N-2-3-4-5
    - Final Drive: O-ring-sealed chain
    - DID chain DID 525 V9/ 110
    - RK chain RK 525 SM4/ 110

- ELECTRICAL
  - Alternator charging coil 0.4 -0.6 ohms
  - Alternator field coil 2.1 -2.6 ohms
  - Front turn signal/ running light 12 Volt, 32 & 3 CP
  - Rear turn signal/ light 12 Volt, 32 CP
  - Regulator / rectifier regulated voltage/ amperage 13.0 -15.0 V/ below 0.5A/ 2,000 rpm
  - Instrument lights 3 bulbs 12 Volt / 1.7 Watt
  - Battery capacity 12V @ 14 Ah
  - Oil warning light 12 Volt @ 3 Watt
  - Normal Batt charging rate 1.4 A / 10h
  - Side stand warning light 12 Volt, 3 Watt
  - Main fuse 30 A
  - High beam indicator light 12 Volt, 3 Watt
  - Other fuses two 10 A, one 15 A
  - Turn signal indicator light 12 Volt, 3.4 Watt
  - Headlight (high/ low beam) 12 Volt, 60/55
  - Watt Neutral indicator light 12 Volt, 3 Watt
  - Tail / brake light 12 Volt, 3 & 32 CP
- CHASSIS / SUSPENSION / BRAKES
  - Frame type Double cradle
  - Front Suspension: 41mm Telescopic fork ; 5.5-inch travel
  - Front wheel travel 5.5 in.
  - Rear damper Dual spring & shock Trail length 4.6 in.
  - Rear Suspension: Dual rear shocks with five-position spring-preload adjustability; 4.3-inch travel
  - Rear wheel travel 4.3 in.
  - Caster angle 29 °
  - Front Brake: Hydraulic Single disc with twin-piston caliper
  - Rear Brake: Drum
  - Tire type, front Dunlop K505F
  - Front tire size 110/ 80-18 58H
  - Tire type, rear Dunlop K505
  - Rear tire size 140/ 70-17 66H
- DIMENSION
  - Overall length 86.0 in.
  - Overall width 31.5 in.
  - Ground clearance 5.5 in.
  - Overall height 44.7 in.
  - Curb weight 498 lb.
  - Footpeg height 12.6 in.
  - Max weight capacity 364 lb
  - Wheelbase: 59.3 inches
  - Seat Height: 30.9 inches
  - Dry Weight: 463.0 pounds

Classic Cycles Technical Resources

    - Fuel Capacity: Fuel tank capacity 4.76 US gal (18 liters), Reserve capacity 0.79 US gal. (3.0 liters)
    - Engine Oil Capacity at draining 2.8 U. S. quarts (2.7 liters)
    - Engine Oil Capacity with filter change 3.1 U. S. quarts (3.0 liters)
- OTHER
    - Color: Black

# 2003 CB750SC Nighthawk 750

- ENGINE
    - Engine: Type: 747cc air-cooled inline four-cylinder
    - Bore and Stroke: 67.0mm x 53.0mm
    - Compression Ratio: 9:3: 1
    - Valve Train: DOHC; four valves per cylinder
    - Fuel Delivery: Four 34mm CV
    - Ignition: CDI
    - Horsepower: 67.7 HP @ 8350 RPM
    - Torque: 45.6 ft/Lbs @ 6800 RPM
- DRIVETRAIN
    - Transmission: 5 Speed
    - Final Drive: O-ring-sealed chain
- CHASSIS / SUSPENSION / BRAKES
    - Front Suspension: 41mm fork; 5.5-inch travel
    - Rear Suspension: Dual rear shocks with five-position spring-preload adjustability; 4.3-inch travel
    - Front Brakes: Single disc with twin-piston caliper
    - Rear Brake: Drum
    - Front Tire: 110/80-18
    - Rear Tire: 140/70-17
- DIMENSION
    - Rake: 0 degrees
    - Wheelbase: 59.3 inches
    - Seat Height: 30.9 inches
    - Dry Weight: 463 pounds
    - Fuel Capacity: 4.8 gallons including 0.8-gallon reserve
- OTHER
    - Emissions: California version differs slightly due to emissions equipment.
    - Colors: Red

2003 CB750SC

Nighthawk

Classic Cycles Technical Resources