

BMW Motorcycle Main Group System

The Main Group system is used to identify various sub systems that make up the total motorcycle. The system is used throughout the service, parts, warranty and technical arenas of the BMW Motorcycle organization to aid in identifying:


- Part Numbers
- Repair Manuals
- Tightening Torque Values
- Special Tools
- Operational Values (MoDiTeC)
- Warranty Labor and Defect Codes
- Service Bulletins
- Parts and Accessory Bulletins

The main group system is structured by whole numbers from 00 to 99.

Single digit number 1 - 7 pertain to administrative issues, while double digit numbers 00 - 99 pertain to technical or sub-system specific identification.

Within the double digit number groups there are sub-groups that further sperate the individual components that make up the total motorcycle, for example, as shown on the next page:

Engine is Group **11**.
Crankshaft is a sub component of engine, which is identified as **11.21**.



Group	Administrative / Sub-System
1	Service Promotion
2	Shop Organization
3	Equipment Advice
4	Warranty
5	Technical Service
6	BMW Special Tools
7	Recalls
00	Maintenance and General Information
11	Engine
12	Engine Electric
13	CO Adjustment
16	Fuel System
17	Radiator
18	Exhaust
21	Clutch
23	Gearbox
26	Driveshaft
27	Chain/Belt Drive
31	Front Forks
32	Steering
33	Rear Swing Arm
34	Brakes
36	Wheels
46	Frame
51	Vehicle Trim
52	Seat
61	Vehicle Electric
62	Instruments
63	Lights
65	Radio and Optional Extras
67	Windshield Motor (older models)
71	Accessories (for MC)
72	Accessories (for Rider)
99	Paint

MAIN GROUPS

11.00 Engine

- 11.11 Crankcase
- 11.12 Cylinder Head
- 11.13 Oil Sump
- 11.14 InnerTiming Case
- 11.15 Crankcase Breather
- 11.21 Crankshaft
- 11.22 Flywheel/Starter
- 11.24 Conrod
- 11.25 Piston
- 11.26 Freewheel
- 11.27 Counter Shaft
- 11.31 Camshaft
- 11.32 Valve Tappet
- 11.33 Rockers
- 11.34 Valves
- 11.41 Oil Pump
- 11.42 Oil Filter
- 11.44 Oil Cooler
- 11.51 Water/Oil pump
- 11.53 Coolant
- 11.78 Oxygen Sensor (sometimes identified in main group 18)

12.00 Engine Electric

- 12.11 Ignition System
- 12.12 Spark Plugs
- 12.13 Coil
- 12.14 Transistor Ignition
- 12.31 Alternator
- 12.32 Voltage Regulator
- 12.41 Starter
- 12.61 Oil Pressure Switch

13.00 CO Adjustment

- 13.11 Carburetor
- 13.53 Fuel Distributor (rail)
- 13.54 Throttle Housing
- 13.61 Control Units
- 13.62 Potentiometer
- 13.62 Airflow Meter
- 13.63 Throttle Switch
- 13.64 Injector

16.00 Fuel System

- 16.11 Tank
- 16.12 Line/Cap/Pump/Filter
- 16.14 Shed System

17.00 Radiator

- 17.11 Thermostat/Tank
- 17.12 Hoses
- 17.22 Oil Cooling Lines
- 17.40 Fan

18.00 Exhaust

- 18.11 Exhaust System
- 18.12 Muffler
- 18.21 System Fittings

21.00 Clutch

- 21.21 Housing/Plate/Ring
- 21.51 Clutch Lever

23.00 Gearbox

- 23.11 Housing
- 23.12 Seals
- 23.13 Pressure Piston (throw out)
- 23.20 Drive Gear
- 23.21 Shafts/Bearings
- 23.30 Selector Drum
- 23.31 Selector Internal
- 23.41 Selector External
- 23.51 Kick Start

26.00 Drive Shaft

- 26.11 Drive Shaft

27.00 Chain/Belt Drive

31.00 Telescopic Fork

- 31.42 Fork/Head Bearings
- 31.42 Trailing Arm/Bearings
- 31.42 Spring Strut

32.00 Steering

- 32.11 Steering
- 32.32 Lock
- 32.71 Adj. Handlebar/Weights
- 32.72 Brake Lever/Clutch Lever
- 32.73 Clutch Cable/Throttle Cable

33.00 Rear Swing Arm

- 33.11 Universal Joint/Housing
- 33.12 Crown Wheel/Pinion/ Sensor
- 33.17 Bearing/Boot
- 34.32 Front Brake Hose
- 33.52 Shock/Adj. Knob
- 33.53 Rear Strut/Nivomat

34.00 Brake System

- 34.11 Ft. Brake Components
- 34.21 Rear Brake Components
- 34.31 Master Cylinder/Reservoir
- 34.32 Front brake hose
- 34.50 ABS Components

36.00 Wheels

- 36.31 Rim/Spokes/Bearings
- 36.32 Tires

46.00 Frame

- 46.51 Frame
- 46.52 Center Stand
- 46.53 Side Stand
- 46.54 Top Case/Bags/Mounts/Racks
- 46.61 Front Mudguard
- 46.62 Rear Mudguard
- 46.63 Fairing/Battery Cover/Windshield
- 46.71 Foot pegs/Engine Guards

51.00 Vehicle Trim

- 51.16 Mirrors
- 51.25 Locks
- 51.91 Paint

52.00 Seat

- 52.53 Seat Components

61.00 Vehicle Electric

- 61.11 Wiring
- 61.12 Battery Charger's
- 61.21 Battery
- 61.31 Switches/Relays/Sensors
- 61.33 Horn/Starter
- 61.34 Cigarette lighter
- 61.36 ABS Relay

62.00 Instruments

- 62.11 Instrument Cluster
- 62.12 Speedometer
- 62.13 Tack/Clock/Temp. Gauge/Fuel Gauge/RID Display

63.00 Lights

- 63.12 Housing/Bulb
- 63.13 Ft. Turn Signal
- 63.14 Ft. Side Reflector
- 63.21 Rear Light
- 63.23 Rear Turn Signal/Holder

65.00 Radio

- 65.10 Radio
- 65.75 Anti-Theft/Alarms

67.00 Windshield Motor (older models)

71.00 Accessories (MC)

72.00 Accessories (Rider)

99.00 Paint