

User's Guide

(Export)

BOXER *BM 150* | *BM 150X*
MADE STRONGER TO LAST LONGER



Foreword

BOXER
MADE STRONGER TO LAST LONGER

BM 150

BM 150X

Dear Customer,

Congratulations on choosing “**Boxer BM 150**” motorcycle, one of the finest motorcycles in the country brought to you by Bajaj Auto Limited.

Before you prepare for riding, please read this User's Guide carefully to familiarize yourself with the mechanism and the controls of the vehicle.

To maintain your bike in perfect running condition to deliver consistent performance, we earnestly advise you to avail periodic services, at Bajaj Dealers.

You can entrust Bajaj Dealers, who are well equipped with all necessary facilities, skill sets and trained manpower for servicing and repairs of your “**Boxer BM 150**”. In the rare event of going to a local garage, always insist on Genuine Bajaj Spares to ensure safety, performance and longer life of your vehicle.

Should you require any additional information, please approach Bajaj Dealers. If necessary, you may also write to selling dealers, with relevant details like Registration no. Chassis no., Engine no., Date of purchase, Kms. run and your contact number.

Finally, may we request you to give your motorcycle a proper care and regular maintenance, as described in this manual. We are sure this will offer you a long trouble-free ownership experience.

Wishing you unlimited miles of happiness!

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Safety and Warning information :



Warning : This indicates that a potential hazard or injury to you or other persons & to the vehicle can happen if advice provided is not followed.



Caution : This indicates that a potential hazard that could result in vehicle damage. Follow the advice provided with the caution.

Notice: The description and illustration in this booklet are not to be taken as binding on the manufacturers. The essential features of the type described and illustrated herein remaining unaltered. Bajaj Auto Limited reserves the right to carry out modifications on the vehicle, parts or accessories as may be convenient and necessary at any moment without being obliged to bring this booklet up-to-date.

Technical Specifications

BOXER
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BM 150X

Engine	: 4 stroke, single cylinder Natural air cooled, Spark ignition
Bore x Stroke	: 56.0 mm x 58.8 mm
Eng. Displacement	: 144.8 cc
Compression Ratio	: 9.8 : 1
Idling Speed	: 1400 rpm $\pm$ 100
Max. Net Power	: 12 PS @ 7500 rpm
Max. Net Torque	: 12.55 Nm @ 5500 rpm
Ignition System	: DC
Spark Plug (1 Nos)	: CHAMPION PRZ9HC or BOSCH UR4AC
Spark Plug Gap	: 0.7~0.8 mm
Lubrication	: Wet sump, Forced.
Transmission	: 5 speed constant mesh.

Front Brake	: Mech. expanding shoe 130 mm dia. Drum 240 mm dia. Disc
Rear Brake	: Mech. expanding shoe 130 mm dia. Drum
Fuel Tank Capacity	:
Full	: 11 liters
Reserve	: 2.5 liters
Usable	: 1 liters
Dimensions	:
Length	: 2016 mm
Width	: 740 mm
Height	: 1055 mm
Wheel base	: 1285 mm
Ground clearance	: 190 mm
Turning circle radius	: 2100 mm

Technical Specifications

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Tyre Size : BM 150

Front	: 3.00 X 17", 45 P RIB
Rear	: 100/90X17", 55 P STUD

Tyre Size : BM 150 X

Front	: 3.00X17", SEMI KNOBBY
Rear	: 100/90X17", SEMI KNOBBY

Tyre Pressure

Front	: 1.75 kg/cm ² (25 PSI)
Rear (Solo)	: 2.00 kg/cm ² (28 PSI)
Rear (Pillion)	: 2.25 kg/cm ² (32 PSI)

Electrical System : 12 Volts (DC)

Head Lamp	
(w/o Pilot lamp)	: 12V, 35/35W HS1
Neutral	: 12V, 2W
Tail / Stop Lamp	: 12V, 5/21W
Turn Signal Indicator	: 12, 2W
Side indicator Lamp	: 12V, 10W (4 nos.)

Hi Beam Indi. Lamp	: 12V, 2W
Speedometer Lamp	: 12V, 2W (2 nos.)
Horn	: 12 V 2A, DC
Battery	: 12 V 4 Ah VRLA

Vehicle Kerb Weight : 125 kg.

Gross Vehicle Weight : 255 kg.

Max. Speed : 100 km/hr. (With single rider 68kg)

Climbing Ability : 25% max. (14°)

Note : All dimensions are under UNLADEN condition. Above information is subject to change without any notice.

Identification Data

BOXER
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The Frame and Engine serial numbers are used to register the motorcycle. They are the unique alpha-numeric codes to identify your particular vehicle from others of the same model and type.



Frame Number Location

On LH Side of Steering Tube
(Alpha-Numeric - 17 Digits)



Engine Number Location

On LH Side Crankcase Near Gear
Change Lever (Alpha-Numeric - 11 Digits)

Location of Parts

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Location of Parts

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Steering cum Ignition Lock :

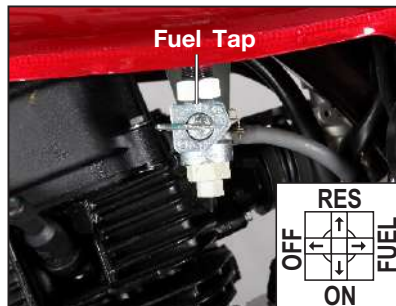
It has three positions.

	LOCK : Steering locked. Ignition OFF.
	OFF : Steering unlock. Ignition OFF.
	ON : Steering unlock. Ignition ON.

To Lock the Steering : To lock the steering, turn the handle bar to the left or right. Push & release the key. Turn the key to “LOCK” position and remove the key.

To Unlock the Steering : To unlock steering, insert the key in steering cum ignition lock & turn it clockwise to “OFF” or “ON” position.

Key : A common key is used for ‘Steering cum Ignition lock’, ‘Fuel tank cap’ & ‘Side cover lock’.



Fuel Tank Cap

- To open the fuel tank cap, insert the key in the lock and turn it clockwise and lift fuel tank cap.
- 'Fuel Tank Cap' is locked when pushed / pressed back into the place.

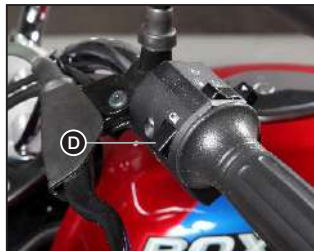
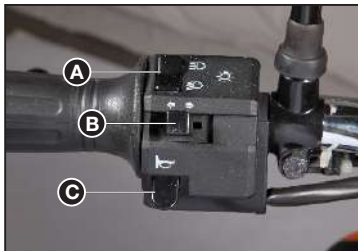
Fuel Tap

Fuel tap lever has following positions.

- ON** : When fuel level is above Reserve position.
- RES** : When fuel level is below Reserve position.
- OFF** : When fuel supply is to be cut off.



- 1. Odometer** : It shows the total distance that the vehicle has been ridden.
- 2. Speedometer** : The Speedometer pointer shows the speed of the vehicle.
- 3. Turn Signal Indicator (LH & RH)** : When Turn signal switch is turned to Left or Right, Turn pilot indicator LH or RH will flash.
- 4. Hi Beam Indicator** : When Headlight is 'ON' & Hi beam is selected with engine running, Hi beam indicator will be lit.
- 5. Fuel Level Indicator** : It shows available fuel in fuel tank.
- 6. Neutral Indicator** : It illuminates when transmission is in Neutral & Ignition switch is 'ON'.
- 7. Steering cum Ignition Switch** : Key operated switch for Ignition 'ON'/'OFF' & locking handle bar.



Left Handle Bar Switches

- A. Dipper Switch :** When headlight is ON, High or Low beam can be selected with the dipper switch. Hi beam indicator light located on Speedo console will light up when high beam is selected.

☰○ : High Beam

☷○ : Low beam

- B. Turn Signal Switch :** When the turn signal switch is turned to Left (↶) or Right (↷), the corresponding turn signals flash on and off. To stop flashing, push the switch in and release.

- C. Horn Button :** (🔊) Press horn button for sounding horn.
- D. Pass Switch :** Press the switch to flash the head light. It is used to give signal to vehicles coming from opposite side while overtaking.



Right Handle Bar Switches

E. Head Light Switch : It has 2 positions.

● : All lamps 'OFF'.

☀ : While engine running, Head lamp, Tail lamp & Meter lamps 'ON'.

F. Starter Button : Electric starter operates only when the vehicle is in neutral position. Self start is not possible in gear engaged mode.

USB Mobile Charger

- Mobile charging facility using USB cable



CAUTION : Do not charge mobile in engine-off condition. This may lead to Battery getting discharged.

Mobile should be charged in engine running condition.



Removal of Side Cover LH

- Insert the key into the cover lock (A) and turn the key clockwise.
- Hold the cover with both hands and pull front side (B) first & slide rear side (C) toward front side. Take out 'Side cover LH'.



CAUTION : Remove cover as described above, otherwise cover lugs may break.

Fitment of Side Cover LH

- Match & insert the Lug C (rear side) in bracket mounted on chassis & slide 'Side Cover' LH toward rear side.
- Match 'B' lug provided on front side of side cover with hole provided on fuel tank & press side cover inside.



CAUTION : Ensure tool kit is fully inserted in tool kit slot.



Removal of Side Cover RH

- Remove the screw (A) given on 'Side Cover'.
- Hold the cover with both hands and pull front side (B) first & rear side (C) later. Take out 'Side cover'.



CAUTION : Remove cover as described above, otherwise the lugs may break.

Fitment of Side Cover RH

- Match rear side (C) of 'Side Cover' lug with hole located on chassis & press the cover.
- Match the Lug provided on front side (B) of 'Side Cover' with hole provided on 'Fuel Tank' & press 'Side Cover' inside.
- Match 'Side Cover' properly with bracket provided on 'Chassis' & fix it with Screw (A).



CAUTION : Fit cover as described above to ensure proper fitment.



Fig. A



Fig. B

Removal of Seat

- Remove 2 nos. M5 Allen bolts provided for fixing of seat on LH & RH sided with M5 allen key.
- Lift the seat from rear side & pull it toward rear side.

Fitment of Seat

- Match & insert the bracket ('1' of Fig. 'B') of seat with slot ('2' of Fig. 'B') provided below fuel tank rear mounting on chassis.
- Push seat towards fuel tank and align lugs ('3' & '4' of Fig. 'B') with bracket on chassis & tighten 2 nos m5 Allen bolts in LH/RH side.



Make of Battery may differ from vehicle to vehicle



Battery

- It is located inside the 'Side Cover' LH.
- Always maintain electrolyte level in each cell between Max. & Min. level marks.

CAUTION : Do not drive/run vehicle in battery disconnected condition. It may lead to damage of electrical / electronic components.

Tool Kit Location

- It is located below the battery box.
- If tool kit is not inserted properly, then it may obstructs LH cover fitment.

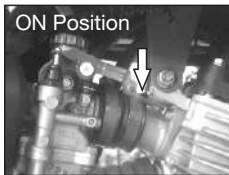


CAUTION : Ensure tool kit is fully inserted in tool kit slot.

Starting The Engine :

- Turn the fuel tap knob to 'ON' or 'RES' position.
- Turn ignition switch key to 'ON' position.
- Confirm that transmission is in neutral.
- If the engine is cold or when starting for first time, use manual choke for quick starting. Choke lever is located on RH side of Carburettor.

Manual Choke



- Keep throttle completely closed, press starter button "Ⓢ" / apply kick to start the engine.

- Release starter button / kick lever as soon as engine starts.
- When the engine is warmed up enough to idle without using choke, return the manual choke lever to OFF position.

Note : *Do not let the engine idle longer than 3 minuets otherwise it will overheat.*

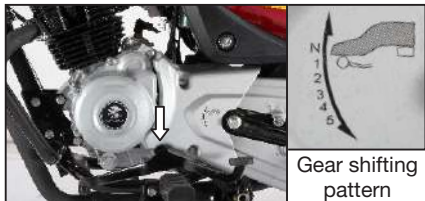
Caution : Do not operate the starter continuously for more than 5 seconds otherwise battery would get discharged. Wait 15 sec. after successive 3 cranks, which will facilitate battery to recover.

Moving Off :

- Check that Center/Side stand is up.
- Depress the clutch lever.
- Shift into 1st gear.
- Open the throttle and release the clutch lever slowly and simultaneously.
- As the clutch starts to engage, open the throttle a little more, giving the engine just enough rpm to keep it from stalling.

Shifting Gears :

- Close throttle & depress the clutch.
- Shift into next higher or lower gear.
- Open the throttle and release the clutch lever slowly and simultaneously.



Gear shifting pattern



Warning : When shifting down to lower gear, do not shift at such high speed that engine rpm jumps excessively. This may cause engine damage, and rear wheel may skid.

Braking :

- Close the throttle completely, leaving the clutch engaged (except where shifting gears) so that the engine braking will help slow down the motorcycle.
- Shift down one gear at a time so that you are in Neutral when you come to a complete stop.
- When stopping, always apply both brakes at the same time. De-clutch as necessary to avoid engine stalling.

- Never lock the brakes, or it will cause the tyres to skid. When cornering, use brakes judiciously and do not de-clutch. Reduce your speed before you get into the corner. For emergency braking, disregard downshifting, and concentrate on applying brakes as hard as possible without skidding.

Stopping the Vehicle :

- Close the throttle completely.
- Shift the transmission into neutral.
- Bring the vehicle to complete stop.
- Turn the ignition switch off.

Parking the Vehicle :

- Support the motorcycle on a firm level surface with the center or side stand.
- Lock the steering.



CAUTION : Do not park on a soft or steeply inclined surface or the motorcycle may fall over.

Running IN

Proper running-in is important for the better life and trouble free performance of the vehicle.

- During first 2000 kms running-in period do not exceed following speed limits.

Kms	1st	2nd	3rd	4th	5th
0 - 1000	10	20	30	35	45
1000 - 2000	15	30	40	45	55

- Always keep the speed below the limits mentioned in the table.
- Do not race the engine excessively.
- Do not start moving or race the engine immediately after starting. Run the engine for a minute at idle speed to give the oil a chance to workup into the engine.

Fuel Saving Tips :

A well maintained vehicle and good driving can contribute a lot to the saving of petrol. Following are a few simple fuel saving tips.

Good Riding Habits :

- Ride smoothly and steadily at an optimum driving speed of 40 to 50 Km/h
- Avoid harsh braking.
- Change the gear judiciously according to the speed and load requirement.
- Don't overload the vehicle above the specified payload.
- Use the accelerator judiciously.
- Cut off the engine if you want to stop for more than two minutes.
- Ensure choke lever is in 'OFF' condition after engine get warm.

How to check mileage (Fuel efficiency)

Best way to calculate mileage is by following the full tank to full tank method.

- Fill way tank full up to small mouth (brim).
- Run the bike for say 100 km.
- Fill the tank full again in same fuel filling station, probably with same fuel dispenser.
- Devide kilometer run / fuel quantity filled.

Ensure following maintenance points to get optimum fuel efficiency from your bike.

Fuel	Check fuel lines & connections for leakage.
Spark plug	Inspect and clean spark plug. Adjust electrode gap.
Air filter	Clean air filter element periodically.
Engine oil	Check level. Use recommended grade and quantity.
Brakes	Ensure that the brakes are not dragging / binding.
Clutch	Ensure correct clutch lever play.
Tyre Pressure.	Always maintain recommended tyre pressure.
Carburettor	Clean & adjust the carburettor. Adjust idling speed.

Safe Riding Tips

- Always wear helmets while driving or riding. Your helmets should conform to appropriate Indian standards.
- Read thoroughly the instructions in this manual and follow them carefully.
- Avoid unnecessary accessories for the safety of both rider and other motorists.
- Get familiar and follow traffic rules & regulations in your states as well as general traffic signs.
- Familiarise yourself well with starting, acceleration and braking of the vehicle.
- When applying the brakes, use both front and rear brakes simultaneously. Applying only one brake may cause the vehicle to lose control.
- Riding at proper speed and avoiding unnecessary acceleration and



braking are important not only for safety and low fuel consumption, but also for longer life of the vehicle.

- During monsoon drive the vehicle more cautiously. Remember vehicles skid more easily during light showers..
- Drive cautiously. Start early & reach your destination safely.
- Always carry vehicle registration & insurance papers, and a valid driving licence with you.
- Avoid driving on loose sand or stones where vehicle is likely to skid.
- Properly wrap-up loose clothes while driving or riding to avoid entangling in wheel or other objects on road.
- Always concentrate on riding for safety.

Daily Safety Checks :

Before riding motorcycle be sure to check following items. Please give proper importance to these checks and perform all of them before riding motorcycle.

If any irregularities are found during these checks, refer to the Maintenance chapter & see your dealer for the action required to return the motorcycle to a safe operating condition.

 **Warning :** Failure to perform these checks every day before you ride may result in serious damage or severe accident.

- Enough **fuel level** for planned distance of journey. No fuel leakage in fuel lines.
- **Engine oil** level (betⁿ upper - lower level mark)
- **Throttle cable** play of 3 - 4 mm. Smooth operation & positive return to closed position,
- **Steering Lock** lever not fouling.
- **Brake Pedal** Play 15 to 20.
- **Wear lining Indicator** within usable range. No brake dragging.
- **Drive Chain** slack of 25 to 30 mm adequately lubricated.
- Function of all **lights & horn**
- **Clutch lever** play - 2 to 3 mm

- Smooth **steering movement** without restriction
- **Both stands** return to their fully up position.
- Correct **inflation pressure** in both tyres
Adequate tyre tread depth- no cracks / cuts.
- Correct **rear viewing** span adjustment of mirror.

Monsoon Care

- Take appropriate care in area of heavy monsoon or high rainfall or high humidity. A appropriate surface preventive coat to avoid rusting on account of adverse atmospheric conditions is recommended.
- Vehicle cleaning to be done with soft & clean wet cloth to avoid scratches on painted parts.
- Clean & lubricate all the important parts as detailed in a periodic maintenance chart.
- Do not apply direct water jet on painted, electrical / electronic parts.
- Do not obstruct engine cooling by adding mud splash protection sheet at the front.



A : Oil Filler Cap B : Oil Level Gauge

Recommended Engine Oil :

Always insist on Genuine Oil for optimum engine performance.

Recommended Oil Grade	SAE 20W50 API'SL' or JASO'MA2'
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- Engine oil Replacement Frequency : 1st service & then every 5,000 Kms.

Engine Oil Level Checking :

- Check engine oil level every day. Park vehicle on level surface on center stand.
- Check oil level through oil level gauge 'B'.
- Always maintain engine oil level between upper (C) and lower (D) mark provided on Cover RH. Top up with specified grade of oil if the oil level is below lower level mark.

Engine Oil Capacity :

- Refill at Servicing : 1000 ml.
- During engine overhaul : 1100 ml.

⚠ CAUTION :

- It is most important to adhere to recommended grade & frequency of oil change for the purpose of long life of critical engine components. For details refer periodic maintenance chart.
- Do not reuse drained oil.

Wheel Puncture :



Use the recommended levers while removing the Tyre / Tube for puncture work. This will avoid any damages to the edges / scratches on paint of the wheel.

Tyre Pressure :

Keep appropriate tyre pressure as mentioned below to increase life of the tyre & for better fuel consumption.

Front	1.75 Kg/Cm ² (25.0 psi)
Rear (Solo)	2.00 Kg/Cm ² (28.0 psi)
Rear (with Pillion)	2.25 Kg/Cm ² (32.0 psi)

Note : In case the motorcycle is fitted with imported tyres, compliance to respective Indian standard & central motor vehicle rules has been ensured.

Front Brake Fluid Level : (For Front Disc version)



Front brake fluid master cylinder reservoir is located near RH switch on handle bar.

- To check brake fluid level, keep vehicle on center stand with handle bar in straight ahead position.
- Always ensure that brake fluid level is above 'MIN' mark.
- Use only DOT 3 or DOT 4 brake fluid (from sealed container) to top up if required.

It is advisable that brake fluid should be replaced at every 30,000 Kms or once in two years whichever occurs earlier.

Battery Maintenance :



Battery :

- Battery is located below seat assembly.
- 12V 4Ah VRLA (Valve Regulated Lead Acid type). Battery is sealed for life.
- Make of battery may differ from vehicle to vehicle.

Battery Features :

- No topping-up is required
- Reduced self discharge, Enhance safety.
- No vent tube open to atmosphere hence no discharge of electrolyte through vent tube.
- When battery is found discharged, it is advised to get it charged immediately.
- Environment care must be taken to dispose off used battery. It is always recommended to hand over the same to Authorised battery / Bajaj Dealer for proper disposal.

How to keep battery healthy ?

- Switch 'Off' ignition when engine is not running. Get battery checked / charged during periodic services.
- Do not press starter button for more than 5 sec. After 3 successive crankings, wait for 15-20 sec. for battery to recover.
- **Do not add extra electrical accessories such as - Remote, Bigger horn, Musical brake light etc. This will reduce the life of battery**
- If vehicle is to be stored for more than 2 weeks disconnect battery to avoid self discharge.



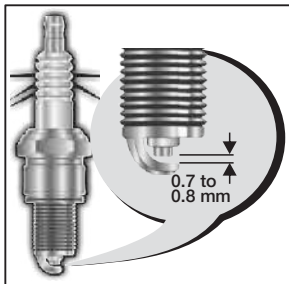
CAUTION : While disconnecting always disconnect negative (-ve) cable first. While refitting always connect positive (+ve) cable first.

Spark Plug

- Remove spark plug by using plug spanner.
- Clean the spark plug.
- Adjust the gap if incorrect by bending outer electrode carefully.

Spark Plug Gap : 0.7 to 0.8 mm.

Spark Plug : Champion PRZ9HC or
Bosch UR4AC



Drive Chain Slackness

- Chain top edge to be kept between the two marks during chain slackness adjustment.
- Care should be taken, that the chain should never run dry. Lubricate chain from outside with SAE 90 oil at every 500 kms.
- Chain slackness will have to be adjusted whenever required.





Cleaning



Chain Lubrication

Drive Chain

- Lubricate chain every 500 kilometers with SAE 90 oil.
- Check & if required adjust chain slackness (whenever required).
- Remove, clean, inspect and lubricate (overhaul) drive chain at every 5,000 kilometers.

Method of chain lubrication :

- Remove chain covers & drive chain link lock
- Take out drive chain.

- Clean the chain with nylon brush by using kerosene/ with the help of chain cleaning machine.
- After cleaning, dip chain in SAE 90 oil / lubricate in molten grease of chain cleaning machine.
- For effective lubrication recommended chain spray can be used. Spray the lubricant into clearance between drive chain roller & bush. Wipe out excess lubricant by using lint free cloth.

Periodic Maintenance & Lubrication Chart

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Sr. No.	Operation	RECOMMENDED FREQUENCY								Remarks
		Servicing	1st	2nd	3rd	Every 5000 Km after Previous Service				
		Kms	500 ~ 750	4500 ~ 5000	9500 ~ 10000					
1.	Servicing		✓	✓	✓	✓	✓	✓	✓	1st - 750 kms / 30 days 2nd onward @ 5000 kms
2.	Engine idling speed / CO%	A	A	A	A	A	A	A	A	
3.	Valve tappet clearance	A	A	A	A	A	A	A	A	
4.	Engine oil & Engine oil filter*	R	R	R	R	R	R	R	R	SAE 20W50 API 'SL' / JASO 'MA2' Replace @ 5000 kms
5.	Oil strainer	CL	CL	CL	CL	CL	CL	CL	CL	Clean @ 5000 kms
6.	Spark plug functioning / Gap	C,A,R	C,A	C,A	C,A	R	C,A	C,A	R	Replace @ every 15000 kms
7.	Air cleaner element*** Clean / Replace	CL,R	CL	CL	CL	R	CL	CL	R	Clean @ every 5000 kms Replace @ every 15000 kms
8.	Air filter cover 'O' Ring **	R					R			Replace @ every 15000 kms
9.	Fuel cock sediment bowl cleaning	CL		CL	CL	CL	CL	CL	CL	Clean @ every 5000 kms
10.	Carburetor float bowl cleaning	CL			CL		CL		CL	Clean @ every 10000 kms
11.	Carburetor rubber duct	C, R	C	C	C	C	R	C	C	Replace @ every 20000 kms

* More frequent cleaning may be required when driving in dusty condition.

Periodic Maintenance & Lubrication Chart

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Sr. No.	Operation	RECOMMENDED FREQUENCY								Remarks
		Servicing	1st	2nd	3rd	Every 5000 Km after Previous Service				
		Kms	500 750	4500 5000	9500 10000					
12.	Fuel pipes	C,R	C	C	C	C	R	C	C	Replace @ every 20000 kms
13.	Clutch lever free play	C,A	C,A	C,A	C,A	C,A	C,A	C,A	C,A	
14.	Throttle grip play	C,A	C,A	C,A	C,A	C,A	C,A	C,A	C,A	
15.	Rear brake pedal free play	C,A	C,A	C,A	C,A	C,A	C,A	C,A	C,A	
16.	Brake lining / pad wear / lubricate brake cam / Brake pedal pivot pin - check brake wear indicator	CL,R		CL	CL	CL,R	CL	CL	CL,R	Replace @ every 15000 kms
17.	Brake fluid level**-top up / replace	C,A,R				C,A			R	Use recommended brake fluid (DOT3 / DOT4). Replace at every 30000 kms.
18.	Disc brake assly - Check functionality, leakage or any other damage	C			C		C		C	
19.	Master cylinder cup & dust seal	R							R	Replace @ every 30000 kms
20.	Caliper piston seal & dust seal	R							R	Replace @ every 30000 kms
21.	Brake pipe hose	C,R							C,R	Replace @ every 30000 kms

Periodic Maintenance & Lubrication Chart

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Sr. No.	Operation	RECOMMENDED FREQUENCY								Remarks
		Servicing	1st	2nd	3rd	Every 5000 Km after Previous Service				
		Kms	500 ~ 750	4500 ~ 5000	9500 ~ 10000					
22.	Brake cam & pedal pivot pin	L				L			L	
23.	Steering play	C,A	C,A	C,A	C,A	C,A	C,A	C,A	C,A	
24.	Steering stem bearing	C,L,R			C,L,R		C,L,R		C,L,R	Replace @ every 10000 kms
25.	All fasteners tightness	C,T	C,T	C,T	C,T	C,T	C,T	C,T	C,T	
26.	Rear sprocket fasteners	C,T	C,T	C,T	C,T	C,T	C,T	C,T	C,T	
27.	Rear wheel rubber shock damper	C, R			C,R		C,R		C,R	Replace @ every 10000 kms
28.	Cylinder hear decarbonizing, valve lapping & Replace valve oil seals	CL				CL			CL	Clean @ every 15000 kms
29.	Engine air breather tube	R					R			Replace @ every 20000 kms
30.	Non-Sealed drive chain cleaning & lubrication	CL,L,A	CL,L,A	CL,L,A	CL,L,A	CL,L,A	CL,L,A	CL,L,A	CL,L,A	Customer to apply OKS chain lube spray or equivalent @ every 500 kms.
31.	Drive chain remove, clean, insp. & lub. (O/H)	CL,L		CL,L	CL,L	CL,L	CL,L	CL,L	CL,L	
32.	Drive chain link lock	R		R	R	R	R	R	R	Replace @ every 5000 kms
33.	Wheel bearing (for non-sealed bearings only)	C,L					C,L			

Periodic Maintenance & Lubrication Chart

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BM 150X

Sr. No.	Operation	Servicing	RECOMMENDED FREQUENCY							Remarks
			1st	2nd	3rd	Every 5000 Km after Previous Service				
			500 ~ 750	4500 ~ 5000	9500 ~ 10000					
34.	Tyre tread wear	C,R			C,R	C,R	C,R	C,R	C,R	
35.	Front fork oil	R					R			Replace @ every 20000 kms
36.	Clutch switch cleaning (if applicable)	CL			CL		CL		CL	
37.	General lubrication	L	L	L	L	L	L	L	L	
38.	Swing arm pivot pin lubrication	L					L			Lubricate @ every 20000 kms

* It is strongly recommended to use only recommended grade of oil.

** As applicable to model

*** More frequent cleaning may be required while driving in dusty environment.

C : Check, A : Adjust, CL : Clean, R : Replace, T : Tighten, L : Lubricate

Note : Periodic parts, Oil, Filters, All types of greases, Cleaning agents, Cables, Wear & tear parts, Rubber 'O' rings / oil seals / pipes, Gaskets to be replaced as per Periodic Maintenance and Lubrication Chart and is mandatory.

Non-use maintenance is necessary if a vehicle remains off road for a longer duration (more than 15 days**). The correct and careful non-use maintenance carried out before storing the vehicle will prevent the vehicle from rusting and from such other non-operational damages like fire hazards.

- Clean the entire vehicle thoroughly.
- Empty the fuel from the fuel tank and carburettor float bowl (if fuel is left in for a longer time, the fuel will break and gummy substance could clog the carburettor).
- Remove spark plug & put several drops of 2T oil into the cylinder. Kick engine over slowly a few times to coat cylinder wall with oil & install back spark plug.
- Set the vehicle on a box or a stand so that both wheels are raised off the ground.
- Spray oil on all unpainted metal surfaces to prevent rusting. Avoid getting oil on rubber parts or brake liners.
- Lubricate the control cables.
- Cover entire vehicle neatly. Make sure that storage area is well ventilated & free from any source of flames or spark.
- Fill 10% excess air pressure in both wheels.

**** For Battery :**

- a. Remove battery and keep it on wooden plank, in properly ventilated area.
- b. Before taking the vehicle for use.
 - Get the battery recharged from the Authorised Service Center.
 - Check and correct the electrolyte level and apply petroleum jelly on terminals (applicable to certain models).

Preparation for regular use after storage :

- Clean the vehicle
- Make sure the spark plug is tight.
- Fill the fuel tank with fuel.
- Change the engine oil.
- Check all the points listed in the Daily Safety Checks section.
- Check and inflate tyres to proper tyre pressure.

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BOXER
MADE STRONGER TO LAST LONGER

BM 150

BM 150X



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- For prolonged life of components & vehicle
- For economical maintenance cost
- For rider's safety

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**PERFORMANCE
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**BEING THE DESIGNER OF THE ENGINE WE
KNOW BEST ABOUT ITS LUBRICATION NEEDS**

**Conform to International Specifications
of API SL and JASO 'MA2'.**



GRADE

RETAIL PACKS

20W50

1 LITRE & 1.2 LITRE & 100 ML

10W30

1 LITRE & 100 ML

BOXER
MADE STRONGER TO LAST LONGER

BM 150 | BM 150X



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