LOVED IN 70 COUNTRIES

pulsar 180/220
BS VI

BAJAJ THE WORLD'S FAVOURITE INDIAN

Owner's Manual



To keep your bike in perfect running condition, please follow the periodic maintenance services which includes **3 Free and subsequent Paid services,** as per the schedule contained in this booklet.

अपनी बाइक को सही चलती हालत में रखने के लिए, कृपया आवधिक रखरखाव सेवाओं का पालन करें जिसमें **३ निःशुल्क और बाद में भुगतान सेवाएं शामिल हैं,** इस पुस्तिका में दिए गए अनुसूची के प्रति।

आपली बाईक परिपूर्ण स्थितीत चालू ठेवण्यासाठी कृपया या बुकलेटमध्ये दिलेल्या शेड्यूलनुसार पीरिऑडिक मेन्टेनन्स सर्व्हिसेचे अनुकरण करा. **यात ३ फ्री आणि त्यानंतरच्या पेड सर्व्हिसेस समाविष्ट आहेत**.

ನಿಮ್ಮ ಬೈಕ್ ಸಂಪೂರ್ಣ ಚಾಲನಾ ಸ್ಥಿತಿಯಲ್ಲಿರಿಸಲು, ದಯವಿಟ್ಟು ಈ ಕೈಪಿಡಿಯಲ್ಲಿ ನಮೂದಿಸಲಾದ ಶೆಡ್ಯೂಲ್ ನಂತೆ ನಿಯತಕಾಲಿಕ ನಿರ್ವಹಣಾ ಸೇವೆಗಳನ್ನು ಅನುಸರಿಸಿ. ಇವು 3 ಉಚಿತ ಮತ್ತು ನಂತರ ಪಾವತಿ ಸೇವೆಗಳನ್ನು ಒಳಗೊಂಡಿರುತ್ತವೆ.

உங்களுடைய பைக்கை மிக நன்றாக ஓடும் நிலையில் வைத்திருப்பதற்கு, இந்தக் கையேட்டில் கொடுக்கப்பட்ட அட்டவணையில் உள்ளவாறு 3, லவச மற்றும் தொடர்ச்சியான கட்டண சேவைகளை உள்ளடக்கிய காலமுறை பராமரிப்பு சேவைகளை தயவு செய்து பின்பற்றவும்.

మీ బైక్ చక్కటి రన్నింగ్ కండిషన్ లో ఉండాలంటే బుక్ లెట్లో ఉన్న షెడ్యూల్ ప్రకారం క్రమం తప్పకుండా మెయింటెనెన్స్ సర్వీసు చేయించండి, ఇందులో **3 ఉచిత సర్వీసులు, ఆ తర్వాత పెయిడ్ సర్వీసులు ఉన్నాయి.**

നിങ്ങളുടെ ബൈക്ക് തികഞ്ഞ റണ്ണിംഗ് കണ്ടീഷനില്സംരക്ഷിക്കാന്3 സൗജന്യവും തുടര്ന്ന് പണം നല്കിയുള്ളതുമായ മെയ്ന്നനന്സ് സര്വീസുകള്ഉള്പ്പെടുന്ന സമയാനുസൃതം ഈ ബുക്ക്ലെറ്റിലെ ക്രമപട്ടികയില് കാണിച്ചപ്രകാരം പാലിക്കുക.

আপনার বাইক নিখুঁতভাবে চালু অবস্থায় রাখার জন্য, নির্দিষ্ট সময় অন্তর রক্ষণাবেক্ষণ পরিষেবা অনুসরণ করুন যার মধ্যে আছে ৩টি বিনামূল্যে এবং পরবর্তী মূল্যভিত্তিক পরিষেবা, এই পুস্তিকার অন্তর্ভুক্ত তালিকা অনুযায়ী।

ਆਪਣਞਰ ਵਾਹਨ੍ਹ੍ਹ ਉਪਯੁਕ੍ਤ ਰਨਿ ਅਵਸ੍ਥਾਰੇ ਰਖਿਵା ପାଇଁ ପିରିଓଡିକ୍ ମେଂଟେନାନ୍ସ ସର୍ଭିସ୍ଗୁ ଅନୁସରଣ କରନ୍ତୁ ଯେଉଁଥିରେ ଅନ୍ତର୍ଭୁକ୍ତ ରହିଛି 3 ଟି ମାଗଣା ଓ ପରବର୍ତୀ ପେଡ୍ ସର୍ଭିସ୍ ଯାହାର ବିବ୍ରାଣ୍ ଏହି ବୁକ୍ଲେଟ୍ରେ ପ୍ରଦାନ କରାଯାଇଛି ।

தமாரி பாஇக்னெ ஸம்பூர்ண் யாலு ஸ்திதிமாં ராகவா மாடே, க்ருபா கரீ நீசே முஜப் समयांतरनी झाળવણી सर्विसनुं पालन करो જેમાં **૩ મફત અને પછી ચૂકવણી सर्विसनो समावेश थाय छ,** આ પુસ્તિકામાં સમાવિષ્ટ સમયક્રમ મુજબ્

ਆਪਣੀ ਬਾਈਕ ਨੂੰ ਚਲਦੀ ਹਾਲਤ ਵਿੱਚ ਰਖਣ ਲਈ , ਕਿਰਪਾ ਆਵਰਤੀ-ਸੰਭਾਲ ਸੇਵਾ ਦਾ ਪਾਲਨ ਕਰੋ ਜਿਸ ਵਿੱਚ **3 ਮੁਫ਼ਤ ਅਤੇ ਬਾਦ ਵਿੱਚ ਭੁਗਤਾਨ ਸੇਵਾਵਾਂ ਸ਼ਾਮਲ ਹਨ,** ਇਸ ਕਿਤਾਬ ਵਿੱਚ ਦਿੱਤੇ ਗਏ ਅਨੁਸੂਚੀ ਦੇ ਪ੍ਰਤਿ।

আপোনাৰ বাইকখন সঠিকভাৱে চলি থকা স্থিতিত ৰাখিবলৈ, অনুগ্ৰহ কৰি নিয়মীয়া তত্বাবধান সেৱা অনুসৰণ কৰিব য'ত অন্তৰ্ভুক্ত থাকে **৩ টা বিনামূগীয়া আৰু তাৰ পিছৰ পৰিশোধ কৰা সেৱা,** এই পুস্তিকাখনত অন্তর্ভুক্ত অনুসূচী অনুসৰি।

اپنی بائیک کو بہترین رننگ حالت میں رکھنے کے لیے، برائے مہربانی وقت وقت سے مینٹیننس کی خدامات پر عمل کریں جس میں شامل ہیں: اس کتابچہ میں دئے گئے وقت کے مطابق 3 مفت سروسز اور بعد کی پیڈ سروسز۔

Foreword

Welcome to the Pulsar family!

You are now the proud owner of India's No.1 sports bike. By No.1 we are talking about unparalleled performance, superior technology and incredible market leadership that Pulsar today enjoys. This makes the Pulsar you ride, unbeatable and unchallenged both on and off the road.

Before you ride out, please read this Owner's Manual carefully and familiarize yourself with the operating mechanism, controls and maintenance requirements of your Pulsar. This will ensure you a safe and trouble free ownership experience.

To keep your bike in perfect running condition and deliver consistent performance, we have specially programmed the periodic maintenance services which includes 3 Free and subsequent Paid services, as per the schedule contained in this booklet. We earnestly advise you to avail all these services at any of our Bajaj Dealers or Authorised Service Dealers (ASD), who are well equipped with all necessary facilities / genuine parts / oil and trained manpower to ensure the best care for your Pulsar. Your **Pulsar 180 BSVI / Pulsar 220 BS VI** comes with a warranty of **5 Years or 75,000 Kms** whichever occurs earlier from the date of sale. For details please refer to "Warranty : Scope & Limits" given in this manual.

Should you require any additional information feel free to contact us on helpline numbers or e-mail us at: **customerservice@bajajauto.co.in** or visit the Bajaj Auto website www.bajajauto.com

To be a part of the Pulsarmania, visit **www.mypulsar.com** and join the Pulsar fanpage on facebook: **www.facebook.com/mypulsar**

Rev up, shift gears and enjoy the Pulsar experience…

SERVICE DEPARTMENT
BAJAJ AUTO LIMITED

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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 at any moment without being obliged to bring this booklet upto-date & to do modifications on the vehicle, parts or accessories as may be convenient and necessary.

Technical Specifications

Specifications	Pulsar 180 BS VI	Pulsar 220 BS VI
Engine	4 Stroke, Natural air cooled.	4 Stroke, Oil cooled
Bore x Stroke	63.5 mm x 56.4 mm	67 mm x 62.4 mm
Eng. Displacement	178.62 cc	220 cc
Compression Ratio	9.8 +/- 0.3 : 1	9.8 +/- 0.3 : 1
Idling Speed	1400 +/- 100 RPM	1400 +/- 100 RPM
Max. Net Power	17 PS at 8500 RPM	20.9 PS at 8500 RPM
Max. Net Torque	14.2 Nm at 6500 RPM	18.55 Nm at 7000 RPM
Ignition System	Bosch FI System	Bosch FI System
Spark Plug(2 Nos.)	Champion RG4HC	Champion RG6HCC
Spark Plug Gap	0.7 to 0.8 mm	0.8 to 0.9 mm
Lubrication	Wet sump, Forced	Wet sump, Forced
Transmission	5 speed constant mesh	5 speed constant mesh
Gear Shifting	1 Down 4 Up	1 Down 4 Up
Brakes (Front & Rear)	Disc brakes	Disc brakes
Starting Aid	Electric Starter	Electric Starter

Technical Specifications

Specifications		Pulsar 180 BS VI	Pulsar 220 BS VI
Fuel Tank Capacity		15 Liters (No reserve)	15 Liters (No reserve)
Front Tyre Size		90/90-17, 49P, Tubeless	90/90 x 17, 49P Tubeless
Rear Tyre Size		120/80-17, 61P Tubeless	120/80 x 17, 61P Tubeless
Tyre Pressure	Front	1.75 kgf/cm^2 (25 PSI)	1.75 kgf/cm^2 (25 PSI)
	Rear (solo)	2 kgf/cm^2 (28 PSI)	2 kgf/cm^2 (28 PSI)
	Rear (pillion)	2.25 kgf/cm^2 (32 PSI)	2.25 kgf/cm^2 (32 PSI)
Dimensions	Length	2035 mm	2035 mm
	Width	750 mm	750 mm
	Height	1115 mm	1165 mm
	Wheel base	1345 mm	1350 mm
	Ground Clearance	165 mm	165 mm
Kerb Weight		152 Kg	160 Kg
Gross Weight		302 Kg	310 Kg
Electrical System		12 Volts DC	12 Volts DC
Battery		12V - 8 Ah VRLA	12V - 8 Ah VRLA
Head Lamp		35/35W	55W (Low Beam), 55W (High Beam)
Pilot Lamp		5W (2 Nos)	5W (2 Nos)

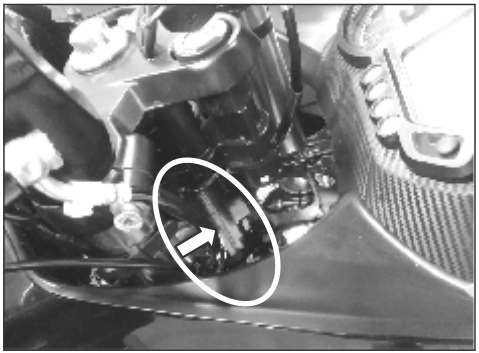
Technical Specifications

Specifications	Pulsar 180 BS VI	Pulsar 220 BS VI
Tail /Stop	LED	LED
Side Indicator	10W (4 nos)	10W (4 nos)
Neutral Indicator	LED	LED - Green
Hi Beam Indicator	LED	LED - Blue
Turn Pilot Indicator	LED	LED - Green
Side Stand Indicator	LCD	LCD
Speedometer	LCD Blue	LCD Blue
ABS Indicator	LED	LED - Yellow
Low Battery	LCD	LCD
Fuel Level Indicator	LCD	LCD
Rear No. Plate	3W	3W
Horn	12V DC (2 Nos.)	12V DC (2 Nos.)
Service Reminder	LCD	LCD
Low Oil Pressure Indicator	Not applicable	LED - Red
Malfunction Indicator	LED	LED - Yellow
High Oil Temperature Indicator	Not applicable	LED - Red
Bajaj Logo	LED	LED - Blue
RPM Limit indicator	LED	LED - Red

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

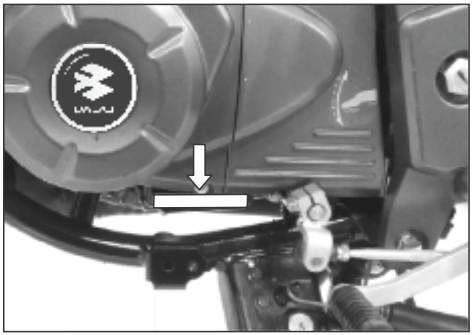
This vehicle complies to BS VI standards.
AHO is government regulation.

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.



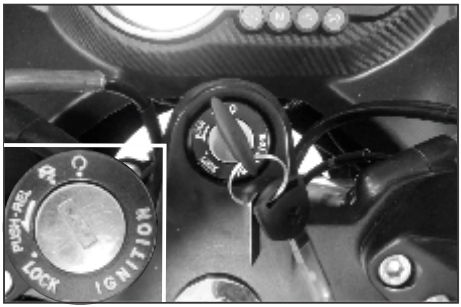
Chassis Number Location
On Side of Steering Tube
(Alpha-Numeric - 17 Digits)

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





This photograph is of Pulsar 220.



Steering cum Ignition Lock :

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'.



Left Handle Bar Switches

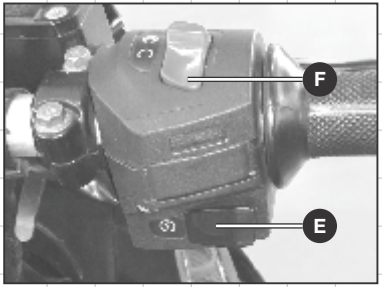
A. Dipper Switch : When headlight is ON, High or Low beam can be selected with the dipper switch.

: High Beam : Low beam

B. Turn Signal Switch : When the turn signal knob is turned to Left ( ) or Right ( ) the corresponding turn signals start flashing. To stop flashing, push the switch in & release.

C. Horn Button : ( ) Press 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. Starter Button :

Starter button operates the electric starter. It is recommended to start the engine with the transmission in neutral.

Vehicle in Gear - Press clutch lever & operate starter button to start the engine.

F. Engine Kill Switch :

The engine kill switch is used for switching ON & OFF the engine.

: Engine OFF

: Engine ON

AHO Feature (Automatic Headlight 'ON')

There is no 'Light switch' on RH control switch.

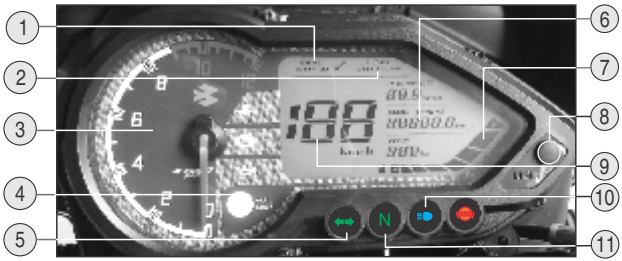
Ignition switch 'ON' **Engine 'OFF'**	Speedometer illumination Tail lamp, Number Plate Lamp, Pilot Lamp & Control Switches Illumination will get 'ON'
Effect of pressing 'Pass Switch'	In addition to above Hi-beam will get 'ON'

Ignition switch 'ON' & Engine Running

Speedometer illumination, Tail lamp, Number Plate Lamp, Pilot Lamp & Control Switches Illumination will get 'ON'

in addition to above, headlamp will get on as given below.

Hi/Low beam Switch	Headlamp Status	Effect of Pass Switch
Low beam	Low beam 'ON'	Low+Hi beam 'ON'
Hi beam	Hi beam 'ON'	No change

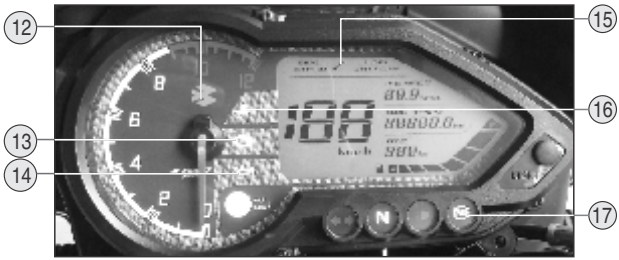


Pulsar 220



Pulsar 180

1. **Side Stand Indicator :** It glows when Side stand is down. Under condition - side stand down & vehicle is in gear, self start will be disabled.
2. **Low Battery Indicator :** It shows battery needs charging.
3. **Tachometer Dial :** It shows engine speed in RPM.
4. **Engine Rev Indicator :**It blinks when engine RPM cross 9500+50 RPM mark. It reminds rider to reduce engine RPM.
5. **Turn Indicator (LH & RH) :** When Turn signal switch is turned to L/R, Turn indicator - LH or RH will flash.
6. **Odometer :** The Odometer shows the total distance that the vehicle has travelled.
7. **Fuel Level Indicator :** Fuel level indicator shows available fuel in fuel tank. Tank symbol glows when petrol level in tank reaches reserve level.
8. **Trip Meter Reset Button :** This is used to select TRIP-1 / TRIP-2. Selected Trip meter shows the distance travelled since it was last reset to zero. Both trip meters can be reset to zero by pressing the button for more than 3 sec.
9. **Speedometer:** Vehicle speed will be displayed digitally
10. **Hi Beam Indicator :** It glows when Headlight is 'ON' & Hi beam is selected with engine running.
11. **Neutral Indicator :** It glows when transmission is in Neutral & Ignition switch 'ON'.



Pulsar 220



Pulsar 180

12. Bajaj Logo : Bajaj logo flying 'B'.

13. Malfunction Indicator ( ) : It glows whenever any abnormality is noticed in functioning of FI related components.

14. Engine Oil Pressure Indicator ( ) : It glows whenever oil pressure is low. (only for Pulsar 220).

15. Service Reminder : ( ) Wrench symbol glows when ODO meter reading reaches to set Kms, for Service. This icon will flash at -

1st Service : 450 km
2nd Service : 4450 km,
3rd Service : 9450 km,
4th Service : 14450 km

and subsequently at each 5000 kms, icon will continue to glow till it is reset. This icon is to be reset after service is carried out.

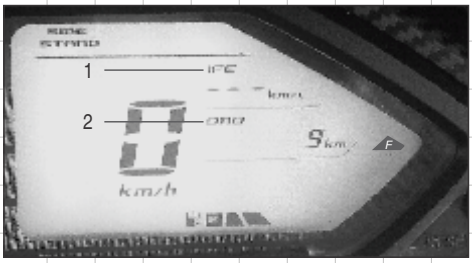
Service reminder reset is to be done at 0 vehicle speed & 0 engine speed.

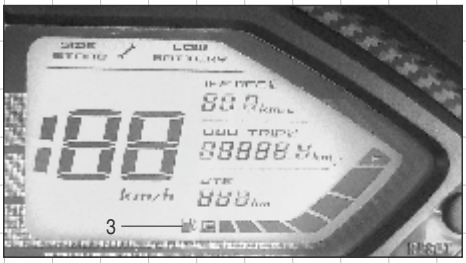
16. Engine Oil Temperature ( ) : It glows if engine oil temperature is high. (only for Pulsar 220)

17. ABS Indicator ( ) : With Ignition switch ON the ABS indicator glows. When vehicle speed is more than 5 Km/h the ABS indicator goes off, if this indicator glows while vehicle is running, it means there is problem in ABS unit.

Condition

Ignition switch is ON & reset push button not pressed. Following display will be shown by digital speedometer.





1. **IFE (instantaneous Fuel economy) -** This will indicate fuel economy in km/L at any given time. Value will be displayed only when vehicle speed & Engine RPM is more than zero.

   If vehicle speed is zero then IFE will be displayed "--km/L."

2. **ODO -** The Odometer shows the total distance that the vehicle has travelled.

3. **Fuel Level Indicator -** Fuel level is shown by digital LCD bars with (E) empty, (F) full & ( ) fuel tank LCD symbol.

   Low fuel level icon blinks if number of bars on the fuel gauge are less than 2 bars.

Note :

IFE (Instantaneous fuel economy) /AFE (Average fuel economy) / DTE (Distance to empty) readings are indicative and may vary due to driving and road conditions.

Procedure to set AFE 1 & TRIP 1

Ignition switch is ON & reset push button pressed for less than 1 sec. - TRIP 1 mode gets selected & following display will be shown by digital speedometer



1. **AFE 1 (Average Fuel economy 1) -** This will indicate the average fuel economy in km/L in TRIP1 mode.
2. **TRIP 1 -** The Trip meter shows the total distance that the vehicle has travelled in TRIP 1 mode. If TRIP1 is reset, average fuel economy (AFE 1) will reset.

Procedure to set AFE 2 & TRIP 2

Ignition switch is ON & reset push button pressed for less than 1 sec. - TRIP 2 mode gets selected & following display will be shown by digital speedometer



1. **AFE 2 (Average Fuel economy 2) -** This will indicate the average fuel economy in km/L in TRIP2 mode.
2. **TRIP 2 -** The Trip meter shows the total distance that the vehicle has travelled in TRIP2 mode. If TRIP 2 is reset, average fuel economy (AFE 2) will reset.

Note : AFE will be updated every 60 sec. AFE will be reset if corresponding TRIP1 or TRIP 2 is reset or battery disconnected.

DTE (Distance to empty)

It indicates the estimated distance that the vehicle can travel under current fuel economy & fuel level condition.

DTE calculation is independent of TRIP and based on AFE for distance covered for last 25 Kms. DTE is displayed along with AFE 1 / AFE 2.

Max count of DTE is 990 Km. speedometer will display values in multiple of 10.

Note :

If vehicle is driven by ignoring fuel level display & Tank symbol (⛽) blinking after reaching fuel unutilized level DTE will be shown as '--' Km.

During Petrol Refilling -

If petrol filled is more than 1 Litre then DTE will be calculated based on the revised fuel volume.

If petrol filled less than 1 litre then there will be no change in DTE value.

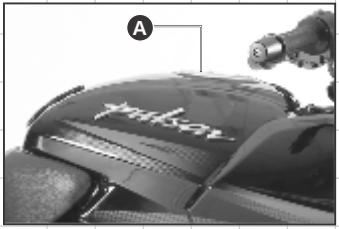
TRIP Setting

If reset button is pressed more than 3 sec.in TRIP1 or TRIP 2 mode, then respective AFE & trip distance will reset to Zero while DTE will continue to show earlier value.

Note :

After completion of max value of 999.9 Km, selected trip display will get freezed and will not get set automatically to zero.

However speedometer will continue to calculate and display AFE value.



Fuel Tank Cap

- To open the fuel tank cap, open the flap. Insert the key in the lock and turn it clockwise & lift fuel tank cap.
- To lock the 'Fuel Tank Cap' insert the key in the lock and turn it clockwise and press fuel tank cap. 'Click' sound ensures cap is fully locked.

Precaution :
Dont attach metallic 'Key chain' as it may damage paint of petrol tank.

SOP to prevent fuel stains on petrol tank

- After petrol refilling and before shutting the cap wipe the spilled petrol from the painted areas around the cap by soft dry cotton cloth.
- Shut and lock the cap fully.
- This practice needs to be followed to maintain the shine of colour on petrol tank.

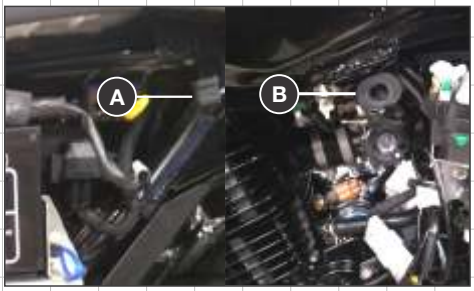
Instructions for Customer

- There is no fuel cock.
- Always maintain minimum 3 Liter petrol in fuel tank.
- Do not rev engine in standstill condition.
- Don't use adulterated fuel or fuel additives as it will result in rusting & clogging of Injector, Fuel pump module & catalytic convertor.
- If vehicle is tiled beyond 60 Deg, then Roll over sensor cuts off Ignition system as a safety feature.
- Never drive by disconnecting wheel speed sensor as ABS unit will not function.
- Cleaning cloth to be strapped along with tool kit under pillion seat assy as shown in image.



- Do not keep the cleaning cloth in the vicinity of high temperature zone e.g. Engine, Silencer assy, Catalytic convertor, Starter motor, etc.





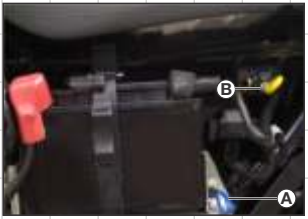
Removal of Side Cover LH

- Access to battery is by removing LH cover.
- Insert ignition key (A) & turn it clock wise.
- Pullout the cover (B) from fuel tank knob.
- Slide the cover (C) towards left direction .
- Direction of removal is important to avoid breakage of cover locking lug.

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

Fitment of Side Cover LH

- Match slot provided on rear end of 'Side Cover' with bracket **(A)** provided on 'Chassis' and slide 'Side Cover' backward (towards Tail lamp).
- Match Lug provided on front portion of 'Side Cover' with hole **(B)** provided on 'Fuel Tank' and press 'Side Cover' inside.
- Match the lock plate of 'Side Cover' properly with bracket on 'Chassis' and rotate key in clockwise direction to lock.



Seat Release Cable

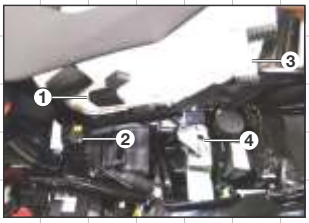


Fig. B

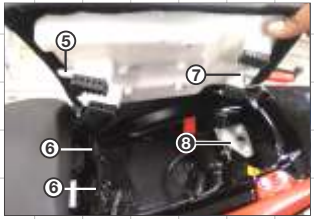


Fig. C

Removal of Seat - Front & Rear

- Remove 'Side Cover' LH.
- To remove Seat Front, pull the 'Seat Release Cable' (A) to release seat lock. Keeping cable pulled, tap the center of seat, lift the seat from rear end & slide it back to remove seat.
- To remove Seat Rear, pull the 'Seat Release Cable' (B) to release seat lock. Keeping cable pulled, tap the center of seat, lift the seat from rear end and slide it towards tail lamp to remove seat.

Caution : Always remove Rear Seat first.

Fitment of Seat - Front & Rear

- For fitment of Seat Front, 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 lock rod ('3' of Fig. 'B') & seat lock ('4' of Fig. 'B'). Then press the seat in middle from top to lock the seat.
- For fitment of Seat Rear, match & insert the bracket ('5' of Fig. 'C') of seat with slot ('6' of Fig. 'C') provided below fuel tank rear mounting on chassis. Push seat towards fuel tank and align lock rod ('7' of Fig. 'C') & seat lock ('8' of Fig. 'C'). Then press the seat in middle from top to lock the seat.

Caution : Always fit Front Seat first.



Battery (12V - 8 Ah VRLA)

- Battery is located inside LH side cover.
- Make of battery may differ from vehicle to vehicle.



Tool Kit Location

- It is located below Rear seat.
- Tool kit to be tight by 2 nos rubber bands.

First Aid Kit Location

- First aid kit is to be stored in seat cowl.

CAUTION : Ensure tool kit is fitted properly with rubber bands.

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 & visit BAL 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.
- **Engine oil** level (between upper and lower level mark).
- **Throttle cable** play of 2 ~ 3 mm. Smooth operation and positive return to closed position.
- **Brake Pedal** Play - Fixed, Not to be adjusted for rear disc brake version.
- **Brake Fluid** level above MIN mark provided on front & rear eservoir.
- **Drive Chain** slack of 20 to 30 mm adequately lubricated.
- Function of all **lights & horn.**
- **Clutch lever** play - 2 to 3 mm.
- Smooth **steering movement** without restriction.
- Both **stand** 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.

Starting The Engine :

- Switch 'ON' ignition & 'Kill Switch'
- Confirm that transmission is in neutral.
- **Keep throttle completely closed,** press starter button "Ⓢ" to start the engine.
- Release starter button as soon as engine starts.

"Cranking ON and OFF duration" control –

Cranking ON-OFF duration control feature to avoid battery discharge-

- 1st Crank ON (5 sec) & Disable for 2 sec.
- 2nd Crank ON (5 sec) & Disable for 2 sec.
- 3rd Crank ON (5 sec) & Disable for 10 sec. After a gap of 10 sec cranking cycle continues.

Note : The motorcycle is equipped with a clutch switch. This switch ensures that the engine can be started in any gear if the clutch lever is pressed.

Moving Off :

- Check that Center/Side stand is up.
- Press 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 & press the clutch.
- Shift into next higher or lower gear.
- Open the throttle and release the clutch lever slowly and simultaneously.



Gear Shifting Lever



Gear Shifting Pattern

Recommended Speed for Shifting Down

From 5th to 4th Gear	50 km/h
From 4th to 3rd Gear	40 km/h
From 3rd to 2nd Gear	30 km/h
From 2nd to 1st Gear	20 km/h

Warning : When shifting down to lower gear, do not shift at such high speed that engine RPM jumps excessively. This may cause engine damage, & rear wheel may skid. Downshifting should be done at recommended speeds as shown in table.

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 & 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 & 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 REV 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.

- Ride smoothly and steadily at an optimum driving speed to get best mileage.
- 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.

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.
- Divide kilometer run / fuel quantity filled.

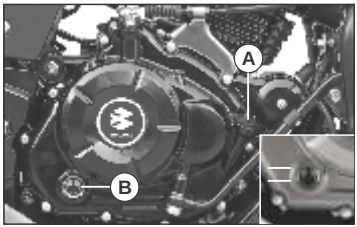
Ensure following maintenance points to get optimum performance from your bike.

Fuel	Check fuel lines & connections for leakage.
Spark Plugs	Inspect and clean spark plugs. Adjust electrode gap. Replace spark plugs as per P.M. Chart.
Air Filter	Clean the air filter element periodically. Replace as per Periodic Maintenance Chart.
Engine Oil	Check engine oil level. Always use recommended grade and quantity.
Brakes	Ensure that the brakes are not dragging / binding.
Clutch	Ensure correct clutch lever play.
Tyre Air Pressure	Always maintain recommended tyre pressure.
Brake Fluid	Always maintain brake fluid level above minimum mark

- Always wear Helmet while driving or riding. Your helmet should conform to Indian standards.
- Read thoroughly the instructions given 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 & rear brakes simultaneously. Applying only one brake may cause the vehicle to loose control.
- Riding at proper speed, avoiding unnecessary acceleration and braking are important safety, fuel consumption and longer life of the vehicle.
- During monsoon, drive vehicle more cautiously. Remember vehicle skid more easily during light showers.
- Keep both hands firmly on handle bar & both feet securely on rider footrest. Do not take away both hands & / or feet from resting area as this is very unsafe.
- Do not use mobile phones while riding as it could lead to fatal accident.
- It is suggested to customer to take appropriate care in area of heavy monsoon or high rainfall area. The appropriate surface preventive coat to avoid rusting / poor surface finish on account of adverse atmospheric conditions.
- Always carry vehicle registration & insurance papers, and a valid driving licence with you.

General Maintenance Tips :

- 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 protection sheet from front
- Drive cautiously. Start early & reach your destination safely.
- 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.



A: Oil Filler Cap, B: Oil Level Inspection Window

Engine Oil Level Checking :

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

Engine Oil Capacity :

	P 180	P 220
• Refill at servicing	1000 ml	1150 ml
• During engine overhaul	1100 ml	1300 ml

Recommended Engine Oil:

Always insist on Bajaj DTS-i Engine Oil for optimum engine performance and warranty benefits. It is a specially formulated oil for vehicles with DTS-i engines.

Model	Recommended Engine oil
Pulsar 180	Bajaj DTS-i 20W50 **BS6 Compliant** SAE 20W50 JASO 'MA2' API SN
Pulsar 220	Bajaj DTS-i 20W50 **BS6 Compliant** SAE 20W50 JASO 'MA2' API SN OR Bajaj DTS-i 10W50 Synthetic **BS6 Compliant**

- **Engine oil replacement frequency : 1st service & then every 10,000 Km.**
- **Engine oil level top-up frequency : Every 5000 km.**
- **For all BS VI Vehicles, above BS VI compliant engine oil is to be used only. Use of BS 6 engine oil will give prolonged life of catalytic convertor.**

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.



Tubeless Tyre :

The main advantage of tubeless tyres is in case of puncture the rate of air leak is very slow, hence customer can easily drive the vehicle upto nearest puncture repair shop for removing puncture.

⚠ **CAUTION :** Tubeless tyres are fitted in this motorcycle. The walls of the tyres in contact with the wheel rim should not be damaged in any way during fitment / removal of tyre. The tyre side walls in contact with wheel rim seals air.

Wheel Puncture:

- Visit nearest known tubeless tyre repair shop to remove puncture.
- Remove puncture by Filler or Plug method only.
- Do not use patch method to remove puncture of tubeless tyre.

Tyre Pressure :

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

Front	1.75 kgf/cm^2 (25 PSI)
Rear (Solo)	2 kgf/cm^2 (28 PSI)
Rear (with Pillion)	2.25 kgf/cm^2 (32 PSI)

Note : Incase the motorcycle is fitted with imported tyres. compliance to respective indian standard & central motor vehicle rules has been ensured.

- Tyre warranty is settled by tyre manufacturer.
- Decision is taken based on tyre wear and running of vehicle.
- BAL settles tyre warranty only for imported tyres.



A-Front Brake Fluid Reservoir



B-Rear Brake Fluid Reservoir

Brake Fluid Level :

- Front brake fluid master cylinder reservoir is located near RH switch on handle bar (A).
- Rear brake fluid master cylinder reservoir is located below seat assembly (B).
- To check oil level, keep vehicle on Center stand with handle bar in straight position.
- Always ensure that brake fluid level is above 'MIN' mark given on inspection window.
- Use only DOT 4 brake fluid (from sealed container) to top up if required.

  It is advisable that brake fluid should be replenished at every 30,000 Kms.

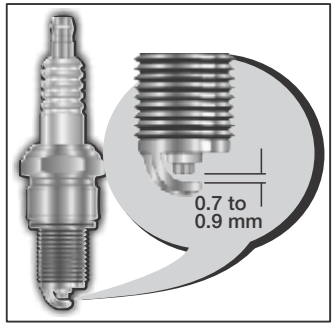
Spark Plug

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

Spark Plug Gap **:**0.7 to 0.8 mm (P 180)

:0.8 to 0.9 mm (P 220)

Spark Plug (2 Nos.) **:** CHAMPION RG6HCC



Battery : 12V-8 Ah VRLA



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.
- Environment care must be taken to dispose off the used battery. It is always recommended to hand over the same to the Authorised battery / Bajaj dealer for proper disposal of the same.
- When battery is found discharged, it is advised to get it charged immediately.
- Warranty on battery is 18 months from the date of purchase of vehicle.

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

How to keep battery healthy ?

- Switch 'Off' ignition when engine is not running.
- Get battery checked / charged during periodic services.
- **Do not add extra electrical accessories such as - Remote, Bigger horn, Musical brake light etc. This will reduce life of battery**
- If vehicle is to be stored for more than 2 weeks disconnect battery to avoids self discharge.

CAUTION :

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



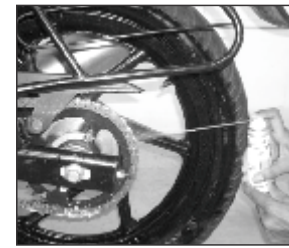
Drive Chain

Drive Chain Slackness

- Chain slackness will have to be adjusted whenever required.
- Std. Chain slackness 20 ~ 30 mm.
- Marking on chain adjusters should be identically positioned on both sides. Drive chain must be cleaned & lubricated as per periodic maintenance schedule.

Drive Chain (O-ring type)

- 'O' rings must always be kept wet for best performance hence lubricate every 500 Km.
- **O-ring chain lubrication can easily be done by owners using Bajaj 'Chain Lube Spray Can' available with Bajaj dealers.**



Drive Chain Lubrication

Method of O-ring Chain Lubrication :

- Park vehicle perpendicular to the ground on level surface. Clean the chain by using lint free cloth (If excessive mud / slush found approach Bajaj Service Center for proper cleaning)
- Shake the can vigorously by holding vertically upright till the noise of steel ball inside heard uniformly.
- Hold spray can at the back of rear sprocket with extension tube nose at 5~10 cm.
- Rotate the wheel in reverse direction & spray the lube on middle portion of the chain up to full length of the chain.

Single Channel ABS unit for Front brake is fitted on this vehicle.

ABS System Information:

- Always maintain a safe distance between you and objects ahead. Vehicle speeds should always be reduced during extreme road conditions. The braking distance for motorcycle equipped with an anti-lock braking system may be longer than for those without it on rough road conditions. During these conditions the vehicle should be driven at reduced speeds.
- When you apply Front brake under conditions which may lock the wheels, you feel a corresponding sensation (pulsation) in Front brake lever. This is normal and it means your ABS is active.
- Also it is recommended to use both front & rear brakes simultaneously.
- Always slow down when cornering. The anti-lock brake system cannot prevent accidents resulting from excessive speeds.

"Cranking ON and OFF duration" control –

- During Engine crank cycle cranking is allowed only for fixed duration and in between successive cranks (in case engine does not start) here is a cooling off period.
- Cranking on-off duration control feature to avoid battery discharge-

- 1st Crank ON (5 sec) & Disable for 2 sec.
- 2nd Crank ON (5 sec) & Disable for 2 sec.
- 3rd Crank ON (5 sec) & Disable for 10 sec.

After a gap of 10 sec cranking cycle continues.

- Starter disabled if side stand down – With side stand down condition and vehicle in gear, Engine cranking is disabled through ECU.
- Headlight control on rpm – Headlamp will be turned ON only at Engine running condition.

Instruction to avail Free Service through Digitized Free Service Coupon

Please follow following procedure : -

- Please provide your mobile number to Dealer at the time of buying of new Bajaj Vehicle.
- In case of change in mobile number, please update to Dealer / ASD.
- When you are at Dealership / ASD workshop for availing Free Service, you will receive the 'Unique Coupon Number' (UCN) through SMS in your mobile.
- Please inform the UCN to Dealer / ASD at the time of Free Service.
  (ASD-Authorised Service Dealer)

Periodic Service Criteria

Service	Days	Kms	
1st Free Service	30~45	500~750	whichever occurs earlier
2nd Free Service	240	4500~5000	
3rd Free Service	360	9500~10000	
Subsequent Paid services	120 Days from last Service	Every 5000 Km after previous service	

Availing all Free / Paid Services, replacing mandatory periodic parts & engine oil will entitle warranty eligibility.

Matte Finish Painted Parts Cleaning

Do's :

- Use Colin or dish washing detergent solution for cleaning.(1 spoon in ½ bucket)
  Remove foreign substances like insect remains, road debris using a soft brush.
- Use microfiber cleaning cloths Ex.- Muslin cloth for painted parts cleaning.

Don'ts :

- Do not use wax/spray/products made for normal glossy paint for cleaning.
- Do not use products that are even mildly abrasive, such as polishes, glazes, or rubbing compounds.
- Do not use mechanical cleaners/polishers.
- Do not use terrycloth or paper towels or shine enhancement products.
- Do not rub the finish vigorously, this will burnish the paint finish, causing a permanent shiny spot. Shiny spots cannot be removed.
- No Polishing/Teflon coating on painted parts.



E20 Petrol

- This vehicle is compatible for "E20" Petrol i.e. Petrol blended with 20% Ethanol. E20 sticker affixed on fuel tank cap.
- In this vehicle 'E10' Petrol (existing) i.e. Petrol blended with 10% Ethanol also can be filled.

Periodic Maintenance & Lubrication Chart

pulsar

Sr. No.	Activities / Check points	Recommended frequency - Service interval & Kms							
		Servicing	1st (Free)	2nd (Free)	3rd (Free)	4th	5th	6th	7th
		KMS	500 ~ 750	4500 ~ 5000	9500 ~ 10000	14500 ~ 15000	19500 ~ 20000	24500 ~ 25000	29500 ~ 30000
1.	Servicing with water wash	✓	✓	✓	✓	✓	✓	✓	✓
2.	Engine oil (Bajaj DTSI 10000 oil)	Top-up,R	R	Top-up	R	Top-up	R	Top-up	R
3.	Oil strainer	CL	CL		CL		CL		CL
4.	Centrifugal oil filter	CL	CL		CL		CL		CL
5.	Air cleaner element* & air filter cover 'O' ring. Drain tube cleaning.	CL	CL	CL	CL	R	CL	CL	R
6.	Inline fuel filter nylon hoses with quick connector	C,R					C,R		
7.	Spark plug clean & check gap	CL,A,R			CL,A		CL,A		R
8.	Valve tappet clearance	C,A			C,A		C,A		C,A
9.	Throttle body rubber duct(Sleeve)for hard resulting in loose fitment	C,R				C,R	C, R	C,R	C,R

Recommended frequency - Service interval & Kms									Remarks
8th	9th	10th	11th	12th	13th	14th	15th	16th	
34500 ~ 35000	39500 ~ 40000	44500 ~ 45000	49500 ~ 50000	54500 ~ 55000	59500 ~ 60000	64500 ~ 65000	69500 ~ 70000	74500 ~ 75000	
✓	✓	✓	✓	✓	✓	✓	✓	✓	Ensure to prevent water entry in Petrol tank, Silencer & electrical parts .Use caustic free detergent for washing.
Top-up	R	Top-up	R	Top-up	R	Top-up	R	Top-up	Use BGO 20W50 BS6. Oil level window cleaning at every 10000 kms by petrol spray & nylon brush.
	CL		CL		CL		CL		Oil strainer cleaning at the time of oil change. Replace clutch cover gasket
	CL		CL		CL		CL		Clean body centrifugal filter at 1st free service & at 10,000 Kms.
CL	CL	R	CL	CL	R	CL	CL	R	Replace Air filter element at every 15,000 kms Replace air filter cover O ring along with air filter element.
	C,R				C, A				Replace if required.
	CL,A		CL,A		R		CL,A		Replace at every 30000 Kms.
	C, A		C, A		C, A		C, A		
C, R	C, R	C, R	C, R	C, R	C, R	C, R	C, R	C, R	Replace if required.

Sr. No.	Activities / Check points	Recommended frequency - Service interval & Kms							
		Servicing	1st (Free)	2nd (Free)	3rd (Free)	4th	5th	6th	7th
		KMS	500 ~ 750	4500 ~ 5000	9500 ~ 10000	14500 ~ 15000	19500 ~ 20000	24500 ~ 25000	29500 ~ 30000
10.	Engine breather tube for cracks.	C,R			C,R	C,R	C,R	C,R	C,R
11.	EVAP system Hoses- check for cracks	C,R		C,R	C,R	C,R	C,R	C,R	C,R
12.	Engine oil cooler fins (For Pulsar 220)	C,R			C,R		C,R		C,R
13.	Engine foundation silent bushes for cracks	C,R			C,R		C,R		C,R
14.	Silencer drain hole cleaning	CL			CL	CL	CL	CL	CL
15.	Silencer tail pipe cleaning (For Pulsar 180)	CL			CL		CL		CL
16.	Wiring harness connections, routine & Conduit / PVC sleeve inspection.	C,A,T	C,A,T	C,A,T	C,A,T	C,A,T	C,A,T	C,A,T	C,A,T
17.	Battery connections & health by load tester. +ve terminal cap fitment.	C,A,L,T	C,A,L,T	C,A,L,T	C,A,L,T	C,A,L,T	C,A,L,T	C,A,L,T	C,A,L,T
18.	Ignition switch contacts cleaning	CL,L			CL,L	CL,L	CL,L	CL,L	CL,L
19.	HT coil connections (Primary and Secondary)	C,T		C,T	C,T	C,T	C,T	C,T	C,T

Recommended frequency - Service interval & Kms									Remarks
8th	9th	10th	11th	12th	13th	14th	15th	16th	
34500 ~ 35000	39500 ~ 40000	44500 ~ 45000	49500 ~ 50000	54500 ~ 55000	59500 ~ 60000	64500 ~ 65000	69500 ~ 70000	74500 ~ 75000	
C,R	C,R	C,R	C,R	C,R	C,R	C,R	C,R	C,R	Replace if required.
C,R	C,R	C,R	C,R	C,R	C,R	C,R	C,R	C,R	Drain EVAP "Y" connection drain tube. Replace if found cut / damaged.
	C,R		C,R		C,R		C,R		Replace if required
	C,R		C,R		C,R		C,R		
CL	CL	CL	CL	CL	CL	CL	CL	CL	
	CL		CL		CL		CL		
C,A,T	C,A,T	C,A,T	C,A,T	C,A,T	C,A,T	C,A,T	C,A,T	C,A,T	Damaged conduit / PVC sleeves protection by applying electrical tape film.
C,A,L, T	C,A,L, T	C,A,L, T	C,A,L, T	C,A,L, T	C,A,L, T	C,A,L, T	C,A,L, T	C,A,L, T	Apply petroleum jelly on battery terminals. Use Midtronics battery tester.
CL,L	CL,L	CL,L	CL,L	CL,L	CL,L	CL,L	CL,L	CL,L	Use recommended WD40 spray
C,T	C,T	C,T	C,T	C,T	C,T	C,T	C,T	C,T	

Sr. No.	Activities / Check points	Recommended frequency - Service interval & Kms							
		Servicing	1st (Free)	2nd (Free)	3rd (Free)	4th	5th	6th	7th
		KMS	500 ~ 750	4500 ~ 5000	9500 ~ 10000	14500 ~ 15000	19500 ~ 20000	24500 ~ 25000	29500 ~ 30000
20.	Oil pressure indicator check on console post ignition ON. (For Pulsar 220)	C,R	C,R	C,R	C,R	C,R	C,R	C,R	C,R
21.	Check fault code, Clear fault history, Update latest hex file if applicable	C	C	C	C	C	C	C	C
22.	Sealed Drive chain wear* – Clean, lubricate & adjust. Replace if required	CL,L,A	CL,L,A	CL,L,A	CL,L,A	CL,L,A	CL,L,A	CL,L,A	CL,L,A
23.	Drive chain link lock	R					R		
24.	Steering play	C,A	C,A	C,A	C,A	C,A	C,A	C,A	C,A
25.	Steering stem bearing & Cap steering bearing (Plastic)*	C,CL,L			C,CL,L		C,CL,L		C,CL,L
26.	Front fork oil & seals	C,R	C,R	C,R	C,R	C,R	C,R	C,R	C,R
27.	Swing arm pivot pin	L				L			L
28.	Swing arm NRB for more play	L							
29.	Brake pads for wear limit.	C,R	C,R	C,R	C,R	R	C,R	C,R	R

Recommended frequency - Service interval & Kms									Remarks
8th	9th	10th	11th	12th	13th	14th	15th	16th	
34500 ~ 35000	39500 ~ 40000	44500 ~ 45000	49500 ~ 50000	54500 ~ 55000	59500 ~ 60000	64500 ~ 65000	69500 ~ 70000	74500 ~ 75000	
C,R	C,R	C,R	C,R	C,R	C,R	C,R	C,R	C,R	Icon should disappear post engine ON. After 4000 RPM, no icon should be displayed.
C	C	C	C	C	C	C	C	C	
CL,L,A	CL,L,A	CL,L,A	CL,L,A	CL,L,A	CL,L,A	CL,L,A	CL,L,A	CL,L,A	During 1st free service use OKS spray for chain cleaning without removing chain from vehicle.During other services clean chain with Diesel+SAE 90 oil ration of 50:50 & lubricate by SAE 90 oil.(Customer to use OKS chain lub spray at every 500 kms)
	R				R				Replace at every20000Kms
C,A	C,A	C,A	C,A	C,A	C,A	C,A	C,A	C,A	
	C,CL,L		C,CL,L		C,CL,L		C,CL,L		Replace if required. Use Limaplex grease for lubrication
C,R	C,R	C,R	C,R	C,R	C,R	C,R	C,R	C,R	Replace DOT 4 brake oil and oil seal + Dust seal in pair at every 30000 Kms
		L			L			L	Use AP grease. Replace if required.
	L								Lubricate NRB at every 40,000 Kms Use AP grease.
C,R	C,R	R	C,R	C,R	R	C,R	C,R	R	Replace at every 15000 Kms

Sr. No.	Activities / Check points	Recommended frequency - Service interval & Kms							
		Servicing	1st (Free)	2nd (Free)	3rd (Free)	4th	5th	6th	7th
		KMS	500 ~ 750	4500 ~ 5000	9500 ~ 10000	14500 ~ 15000	19500 ~ 20000	24500 ~ 25000	29500 ~ 30000
30.	1.Check source of leakages if any in the brake system. 2.Check Front & rear brake hose condition. 3.Check Brake fluid level and top up, if needed.	C,A,R	C,A,R	C,A,R	C,A,R	C,A,R	C,A,R	C,A,R	R
31.	Rear sprocket fasteners for looseness.	C,T	C,T		C,T		C,T		C,T
32.	Rear wheel rubber shock dampers for excess play.	C,R			C,R		C,R		C,R
33.	Fairing & windshield well nuts for rubber crack	C,R			C,R	C,R	C,R	C,R	C,R
34.	Clutch cable & Throttle cable free play adjustment	C,A	C,A	C,A	C,A	C,A	C,A	C,A	C,A
35.	Head light focus adjustment	C,A	C,A	C,A	C,A	C,A	C,A	C,A	C,A
36.	Starter motor & starter relay connections	C,T		C,T	C,T	C,T	C,T	C,T	C,T
37.	Check & confirm all bulbs / switches working.	C,A	C,A	C,A	C,A	C,A	C,A	C,A	C,A
38.	General lubrication – Clutch lever.	L	L	L	L	L	L	L	L

Recommended frequency - Service interval & Kms									Remarks
8th	9th	10th	11th	12th	13th	14th	15th	16th	
34500 ~ 35000	39500 ~ 40000	44500 ~ 45000	49500 ~ 50000	54500 ~ 55000	59500 ~ 60000	64500 ~ 65000	69500 ~ 70000	74500 ~ 75000	
C,A,R	C,A,R	C,A,R	C,A,R	C,A,R	R	C,A,R	C,A,R	C,A,R	Check & Top up DOT 4 brake oil in every service. Replace DOT 4 brake oil & Master / Caliper seals at every 30000kms
	C,T		C,T		C,T		C,T		Use model wise torque values.
	C,R		C,R		C,R		C,R		Replace rear wheel rubber shock damper if required
C,R	C,R	C,R	C,T	C,R	C,R	C,R	C,R	C,R	Replace if rubber found hard..
C,A	C,A	C,A	C,A	C,A	C,A	C,A	C,A	C,A	Replace cables if operation found hard.
C,A	C,A	C,A	C,A	C,A	C,A	C,A	C,A	C,A	
C,T	C,T	C,T	C,T	C,T	C,T	C,T	C,T	C,T	
C,A	C,A	C,A	C,A	C,A	C,A	C,A	C,A	C,A	
L	L	L	L	L	L	L	L	L	Use recommended AP grease.

Sr. No.	Activities / Check points	Recommended frequency - Service interval & Kms							
		Servicing	1st (Free)	2nd (Free)	3rd (Free)	4th	5th	6th	7th
		KMS	500 ~ 750	4500 ~ 5000	9500 ~ 10000	14500 ~ 15000	19500 ~ 20000	24500 ~ 25000	29500 ~ 30000
39.	Tyre air pressure.	C,A	C,A	C,A	C,A	C,A	C,A	C,A	C,A
40.	Mirror position & joint firmness.	C,A	C,A	C,A	C,A	C,A	C,A	C,A	C,A
41.	All fasteners tightness, few are, Front & rear axle,Swing arm axle,Engine foundation, Rider foot rest,Pillion stay	C,T	C,T	C,T	C,T	C,T	C,T	C,T	C,T

*** 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 are mandatory and the same are chargeable to customer.

Recommended frequency - Service interval & Kms									Remarks
8th	9th	10th	11th	12th	13th	14th	15th	16th	
34500 ~ 35000	39500 ~ 40000	44500 ~ 45000	49500 ~ 50000	54500 ~ 55000	59500 ~ 60000	64500 ~ 65000	69500 ~ 70000	74500 ~ 75000	
C,A	C,A	C,A	C,A	C,A	C,A	C,A	C,A	C,A	Ensure model wise tyre air pressure.
C,A	C,A	C,A	C,A	C,A	C,A	C,A	C,A	C,A	
C,T	C,T	C,T	C,T	C,T	C,T	C,T	C,T	C,T	Use model wise torque values.

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 (if fuel is left in for a longer time, the fuel will break and gummy substance could clog the fuel system).
- Remove spark plug & put several drops of engine 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.
- 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.
- Do not apply oil on front brake disc, to prevent rusting. If the front brake disc rusts during storage, do not attempt to clean it with soap water. The rust will go off automatically during first few application of brake.

**** 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 / Battery Dealer.
- Apply petroleum jelly on battery terminals.

Preparation for regular use after storage :

- Follow daily safety checks.

Delivery Certificate

pulsar

FRAME NO. : | | | | – | | | | – | | | | | | | | | | |

ENGINE NO. : | | | | – | | | | – | | | | | | Sold on.: _____

Customer's Name Mr/Mrs/Miss : _____

Address : _____ Contact No.: _____

I have taken possesion of motorcycle along with the following items.

1. Owner's Manual
2. 2 nos of key
3. Set of tools
4. First Aid Kit
5. Standard Accessories
6. Battery Make _____ Sr. No. _____
7. Tyre Fr Make _____ Sr. No. _____
   Rr Make _____ Sr. No. _____

The Vehicle has been delivered to my satisfaction & I have understood all terms and conditions of warranty, service schedules & maintenance tips and shall abide by them.

Dealer Code :
Dealer Name :
Address :
Contact No. :

Customer's Signature (To be filled in by the dealer)

Important - "Do not detach this page from Owner's Manual"

Bajaj Auto Limited provides the following warranty in respect of the **"Pulsar 180 BS VI /Pulsar 220**

BS VI" motorcycle manufactured by us.

Every possible care and precaution has been taken to ensure quality in respect of the material & workmanship in the vehicles manufactured by us. Bajaj Auto Limited will repair or replace at their Authorised Workshops, free of charge, part or parts there of as may be found, on examination, to have manufacturing defect within a period of **5 Years or 75,000 Kms**., whichever is earlier from the date of sale subject to fulfillment of conditions stipulated in part A, B & C given here under

Note : Warranty is applicable for only first owner of vehicle.

Part A:

Warranty claims in respect of such items like shock absorbers, speedometers etc. though claimed through us, are subject to acceptance of the respective manufacturers. In all such cases the decision of the respective manufacturer will be final and binding.

Proprietory parts like tyres, tubes, battery are warranted by their respective manufacturers and should be claimed on them directly by the customer. Bajaj Auto Limited shall not be Liable to replace them though their dealer, however Bajaj Dealers will provide full assistance in referring such claims with respective manufacturer.

Bajaj Auto Limited undertake no liability in the matter of consequential loss or damage caused due to the failure of the parts. Delay, if any, at the repairing workshop in carrying out repair to vehicle shall not be a ground for extending the warranty period, nor shall it give any right to the customer for claiming any compensation for damages.

Bajaj Auto Limited reserves the right either to repair or replace the defective parts.

Where a defective part can be replaced by part/s of alternative brand/s, which are normally used by Bajaj Auto Limited in the course of manufacture, Bajaj Auto Limited reserves the right to carry out the replacement by a part or parts of any such alternative brand/s.

This warranty and any claim arising there,is subject to Pune jurisdiction only.

Part B:

No claim for exchange or repair can be considered unless the customer :

a. Ensures that immediately upon detection of the defect, he approaches any nearest Authorised Bajaj Vehicle Dealers & Recommended Authorised Service Dealers with the concerned vehicle and enables him

to remove and despatch the part / parts attributing to the manufacturing defect to the Company.

b. Produces the Owner's Manual, in original, to enable that dealer to verify the details.

It must be expressly understood that claims forwarded directly to us by the owner / customer will not be entertained at all and such defective part/parts thus forwarded by them will lie at our factory at their own risk, and this warranty shall not be enforceable.

To avail benefits of warranty, following are mandatory

1. Availing of Initial 3 Free Services without lapse.
2. Availing paid services at subsequent 5000 kms. or 120 days from last service whichever is earlier without any lapse.
3. Availing of all services at the Authorised Vehicle Dealers & Recommended Authorised Service Dealers.
4. Usage of only recommended engine oil **"Bajaj DTS-i 10000"** at specified frequency for drain interval of 10,000 kms**.** & engine oil level top-up at 5000 kms.
5. Replacing mandatory periodic parts such as air filter, oil filter etc. as per periodic maintenance schedule.

Part C :

Further this warranty is NOT applicable to :

1. Normal maintenance operations like brake & clutch adjustments, cleaning of fuel system, engine tune-up or such other adjustments.
2. Parts subjected to normal wear & tear like Clutch Plates, Brake Shoes, Drive Chain, Sprockets, Fork Oil Seal, Spark Plug, Control Cables, Brake Pads.
3. Replacement of bulbs & rubber components like grommets, 'O' rings, bellows as well as filters, packings, gaskets, fasteners etc.
4. Painted parts. Only blistering or peeling off of paint film are covered under warranty. Any defect arising out due to external damages or due to usage of protective covers /additional protective coatings adverse atmospheric conditions etc. are not allowed like under warranty.
5. All consumables like Engine oil, Fork oil, Brake Oil, Grease etc. are chargeable to customer.
6. Any defect arising due to above consumables not changed as per scheduled or if used other than the recommended one.
7. Never drive your bike through flooded roads or a flooded patch, as damages to the engine parts due to water entry is not covered under warranty.

8. All chrome plated parts are prone to rust or corrosion in coastal area or in acidic environment or due to neglected cleaning etc. However chrome film peeling is covered under warranty in general atmospheric conditions. Blue/ Yellow colouration of silencer near exhaust port is permissible and hence not covered under warranty.
9. Oxidation of unpainted/painted crankcase, cylinder block, cylinder head etc. in acidic environment or in a coastal area.
10. Parts of the vehicle that have been subjected to misuse, accident, negligent treatment OR which have been used in conjunction with parts & an equipment not manufactured or recommended for use by Bajaj Auto Limited, if found is the sole judgement of Bajaj Auto Limited, such use prematurely affects the performance and reliability of the vehicle.
11. Parts of the vehicle that have been altered and modified or replaced in unauthorized manner like use of wider tyres, loud silencers etc and which in the sole judgement of the Bajaj Auto Limited affects its performance and reliability.
12. **Vehicles which are not being serviced at recommended dealers as per the service schedule described or which have not been operated or maintained in accordance with the instructions maintained in the Owner's Manual.**
13. Vehicles used for any competition or race and/or for attempting to set up any kind of record.
14. Any failure arising due to use of adulterated or bad quality fuel.

    Parts affected due to bad fuel quality are not covered Under warranty.
15. If additional electrical accessories such as - Remote, Bigger horn, Musical brake light etc. fitted on vehicle.
16. If the vehicle has been used for commercial purpose like Taxi or any other means of commercial transportation.

Bajaj Auto Limited reserves the right to make any changes in design or to add any improvements on the vehicle at any time without incurring any obligation to install the same on a vehicle previously supplied and sold. Also, the conditions of this warranty are subject to alteration without any notice.

This warranty is the entire written warranty given by Bajaj Auto Limited for **"Pulsar 180 BS VI /Pulsar 220 BS VI"** motorcycle' and no other dealer or its or his agent or employee is authorised to extend or enlarge this warranty.

BATTERY WARRANTY CARD

MAKE OF BATTERY : .....

MFG. CODE OF BATTERY : SR.NO.:

TYPE OF BATTERY : DATE OF SALE :

NAME OF OWNER AND ADDRESS :

TYPE OF VEHICLE : REG. NO.:

FRAME NO.: ENGINE NO.:

SERVICE RECORD

Sr. No.	Date	Age Mths.	Voltage	Remarks	Dealer's Stamp & Signature	* Code
1						
2						
3						
4						
5						
6						

*** Code For Remarks:**

AE : Electrical system needs attention.
IR : Insufficient running of vehicle.
CB : Cover broken.
BC : Broken Container.
PM : Poor maintenance.
BA : Battery abused.

Note : Customer should insist that "Service Record" must be filled by respective authorised battery dealer as proof of specified maintenance for easy settlement of claim, if any.

TO BE FILLED IN BY BATTERY DEALERS / DISTRIBUTORS IN CASE OF CLAIM

Name of Dealer & Code :_____

_____

Date of claim :_____Battery Type :_____

Serial No. :_____Date of Fitment :_____

Failure Mode (Please tick as applicable)

- **Loose connection**
- **Internal Short**
- **Plate Shedding**
- **Wrong Assembly**
- **Wrong Application**
- **Overcharge / Undercharge**
- **Reverse Charge**
- **Does not Hold Charge**
- **Left Lying Idle**
- **Terminal Corroded**

# Claim Accepted	## Claim Rejected

Details of Repair, if any_____

Note:

Please contact nearest respective authorised battery dealer for details immediately after purchase of vehicle.

Use only Bajaj Genuine Oil

pulsar



pulsar 180/200 BS VI

E20

We are committed to provide the best of sales & service experience, however should you require any additional assistance, please call our Call centre on the number given below.

: 7219821111

Call charges are as applicable

Call centre timings :- Monday to Sunday
(09 : 00 am - 08 : 00 pm)

Please download customer care app from '**Google play store**' and '**Apple store**' and book the vehicles for servicing and more on your phone.

E-mail : customerservice@bajajauto.co.in

Web Site : www.bajajauto.com

CIN : L65993PN2007PLC130076