



**AVENGER**  
**220 CRUISE**  
**220 STREET**  
**BS VI**



**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 **3 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 सर्विसेचे अनुकरण करा. **यात 3 फ्री आणि त्यानंतरच्या पेड सर्विसेस समाविष्ट आहेत.**

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

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

میں ہیکے چکڑی رننیو کڈمیں لے کونڈالوں بیک لٹوے کسٹم پےڈیوٹ پکٹاروں کڈمیں کچھکونڈا میوونڈیسنس سٹریس میوونڈمڈ، انڈوں **3 کڈیر سٹریسوں، 3 سٹریس میوونڈ سٹریسوں کڈیو.**

നിങ്ങളുടെ ബൈക്ക് തികഞ്ഞ റണ്ണിംഗ് കണ്ടീഷനില് സംരക്ഷിക്കാന് 3 സൗജന്യവും തുടര്ന്ന് പണം നല്കിയുള്ളതുമായ മെയ്ന്റനന്സ് സരവീസുകളുടേയവായി സമയാസൂത്രം ഈ ബുക്കറ്റിലെ ക്രമപട്ടികയില് കാണിച്ചുപ്രകാരം പാലിക്കുക.

आपनार बायैक निर्झलभावै चालू अवस्था राखार जना, निर्दिष्ट समय अखर रक्खावैरक्ख परिषेवा अनुसरण करखन यार मध्या आखै 3टि विनामूलो एवऱ परवती मूलभित्तिक परिषेवा, एवै प्रुष्टिकार अखडूँछ तालिका अनुयायी।

ଆପଣଙ୍କର ବାଇକ୍‌କୁ ଉପଯୁକ୍ତ ରିନ୍ ଅବସ୍ଥାରେ ରଖିବା ପାଇଁ ପିରିଡିକ୍ ମେନ୍ଟେନାନ୍ସ ସର୍ଭିସ୍‌ସ୍‌ ଅନୁସରଣ କରନ୍ତୁ ଯେଉଁଥିରେ ଅନ୍ତର୍ଭୁକ୍ତ ରହିଛି 3 ଟି ମାଗଣା ଓ ପରବର୍ତ୍ତୀ ପେଡ୍ ସର୍ଭିସ୍‌ ଯାହାର ସିଡ୍ୟୁଲ୍ ଏହି ବୁକ୍‌ଲେଟ୍‌ରେ ପ୍ରଦାନ କରାଯାଇଛି ।

તમારી બાઇકને સંપૂર્ણ ચાલુ સ્થિતિમાં રાખવા માટે, કૃપા કરી નીચે મુજબ સમયાંતરની જાળવણી સર્વિસનું પાલન કરો જેમાં **3 મફત અને પછી ચૂકવણી સર્વિસનો સમાવેશ થાય છે**, આ પુસ્તિકામાં સમાવિષ્ટ સમયક્રમ મુજબ

આપਣી ઘાઈક ું ચલડી ઘાલડ વિંચ રપઢ લઢી , રિરપા આરવડી-સંઢાલ સેવા ઢા પાલન કરે રિસ વિંચ **3 મુફડ ઢઢે ઘાડ વિંચ ઢુગડાન સેવિંગ ઘાલન ઢન**, રિસ રિડાઘ વિંચ ઢિંડે ઘટે અનસુડી ઢે પુરિડ।

આપોનાર બાયેકચન સઠેકઢારે ઢલિ થકા સ્થિતિઢ બાયેવૈન, અનુઘઢ કરિ નિઢમૈયા તઢારઢાન સેવા અનુસરણ કરિવ ઘ'ત અઢડૂંછ થાકે **3 ટી વિનામૂલીયા આક ઢાવ પિઢવ પવિસોઘ કરવા સેવા**, એવૈ પુઢિકાચનત અઢડૂંછ અનુસૂડી અનુસરિ ।

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

## Foreword



Dear Customer,

Congratulations on becoming the proud owner of a “**Avenger 220 BS VI**” motorcycle, one of the finest motorcycles in the country.

Your safety and the safety of others is extremely important. Hence, before you ride the bike, please read this Owner's Manual carefully and familiarize yourself with the operating mechanism, controls and maintenance requirements. This will ensure you a long and trouble free ownership experience.

To keep your bike in perfect running condition and ensure consistent performance, we have specially programmed the periodic maintenance services which includes 3 Free and subsequent Paid services.

We earnestly advise you to avail all these services at any of our Vehicle Dealers or Authorised Service Dealers (ASD) as per the schedule contained in this booklet. They are well equipped with all necessary facilities / genuine parts / oil and trained manpower. All this would ensure better care of your bike.

Your “**Avenger 220 BS VI**” has been provided 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](http://www.bajajauto.com)

**Thank you for choosing a Avenger and wish you unlimited miles of happy riding !!**

**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

**AVENGER**  
**220 CRUISE**

**AVENGER**  
**220 STREET**

Parameter	Avenger 220 BS VI	Parameter	Avenger 220 BS VI
Engine	4 stroke	Fuel Tank Capacity Full	13 Liters
Bore X Stroke	67 mm x 62.4 mm		No Reserve
Eng. Displacement	220 CC	<b>Dimensions</b>	
Compression Ratio	9.8 +/- 0.3 : 1	Length	2210 mm
Idling Speed	1400 +/- 100	Width	806 mm
Max. Net Power	19.03 PS at 8500 rpm	Height	1321 mm (Cruise)
Max. Net Torque	17.5 Nm at 7000 rpm		1070 mm (Street)
Ignition System	DC	Wheel base	1490 mm
Fuel Injection	BOSCH FI system	Ground Clearance	169 mm
Spark Plug	CHAMPION P-RG6HCC, BOSCH - UR6CE	<b>Tyre Size</b>	
		Front	90/90 - 17, 49P
Spark Plug Gap	0.8 to 0.9 mm.	Rear	130/90 -15, 66P
Transmission	5 speed constant mesh	Cruise	Tube Tyre
Gear Shifting Pattern	1 Down 4 Up	Street	Tubeless Tyre
		<b>Tyre Pressure</b>	
Engine Lubrication	Wet sump, forced	Front	1.5Kgf/cm <sup>2</sup> (21PSI)
Cooling System	Oil cooled	Rear (Solo)	1.75Kgf/cm <sup>2</sup> (25PSI)
Starting Aid	Electric Starter	Rear (with Pillion )	1.75Kgf/cm <sup>2</sup> (25PSI)
<b>Brakes</b>		Electrical System	12 Volts DC
Front Brake	Disc Brake.	Battery	12V, 8Ah VRLA
Rear Brake	Drum Brake	Head Lamp	55/60W

## Technical Specifications

**AVENGER**  
**220 CRUISE**

**AVENGER**  
**220 STREET**

Parameter	Avenger 220 BS VI	Parameter	Avenger 220 BS VI
DRL	LED	Kerb Weight (Street)	160 Kg.
Tail /Stop Lamp	5/21W	Gross Weight (Street)	310 Kg.
Turn Signal Lamp	10W	<p><i>Note :</i></p> <ul style="list-style-type: none"> <li>• All dimensions are under UNLADEN condition.</li> <li>• Above information is subject to change without any notice.</li> <li>• This vehicle complies to BS VI standards.</li> <li>• DRL is government regulation.</li> </ul>	
Speedometer Illumination	LCD		
Bajaj Logo	LED		
Fuel Gauge	LCD Bars		
Reserve Indicator	LCD		
Neutral Indicator	LED		
High Beam Indicator	LED		
Turn Pilot Indicator	LED		
Low Battery Indicator	LCD		
ABS Indicator	LED		
Service Reminder	LCD		
Side Stand Indicator	LCD		
Malfunction Indicator	LED		
Horn	12V DC		
Kerb Weight (Cruise)	163 Kg.		
Gross Weight (Cruise)	313 Kg.		

## Identification Data



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

**AVENGER**  
**220 CRUISE**

**AVENGER**  
**220 STREET**



Note : Vehicle image is of Avenger 220 Street





## Steering cum Ignition Lock

**AVENGER**  
**220 CRUISE**

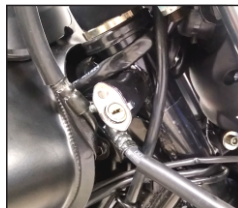
**AVENGER**  
**220 STREET**



**Ignition Lock :** It is located at right side of the frame below 'Fuel Tank'. It has 2 positions. The key can be removed from switch only in 'OFF' position.

Key Position	Function
OFF 	Engine off. All Electrical circuits off
ON 	DRL gets ON with High Intensity. Tail lamp & Tell-Tale Indicator ON Speedometer illumination gets ON & OFF. If Kill switch ON, engine can be started by starter button.

**Helmet Lock:** It is located below seat cowl RH side to lock the helmet strap.



### Steering Lock :

**To lock the steering :** Turn the handle bar to the left. Slide to open lock cover clockwise. Insert key in lock. Turn the key anti-clockwise and push key in while turning the handle bar slightly to 'Right'. Turn the key clockwise (Original position). Pull the key out.

**To unlock the steering :** Insert key in lock and turn anti-clockwise. Hold the key in this position & move the handle bar to 'Right' to release the lock. Pull the key out.

**Key :** A common key is used for Ignition lock, Steering lock, Fuel tank cap and Side cover lock.



### Fuel Tank Cap

- To open fuel tank cap, insert key in lock.
- Turn it clockwise and lift fuel tank cap.
- To lock 'Fuel Tank Cap' insert key in lock and press fuel tank cap. 'Click' sound ensures cap is fully locked. Remove key.

#### Precaution :

- Don't attach metallic 'Key chain' as it may damage paint/plating of petrol tank/tank cover.
- Don't put PVC/Rexin cover on petrol tank.

Note : In case petrol spills on to tank, ensure that tank is cleaned with a clean, dry cloth immediately

- There is no fuel cock.
- Always maintain min. 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 tilted 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.
- Do not keep the cleaning cloth in the vicinity of high temperature zone e.g. Engine, Silencer assy, Catalytic convertor, Starter motor, etc.
- Cleaning cloth to be kept in side tool kit box along with toolkit.

## Speedometer Details



1. **Speedometer** : The speedometer shows the speed of the vehicle in Km/h.
2. **Odometer** : It shows total distance vehicle has covered. After 99999 Km rolls over to Zero & continue updating.
3. **Trip Meter** : It shows the distance traveled since it was last reset to zero. After 999.9 Km rolls over to Zero & continue updating.
4. **Fuel level indicator**: It shows approx. available fuel in fuel tank.
5. **Low Fuel Level Indicator (🛢️)**: It will get on when fuel level drop to 2 bars & blinking will start at 1 bar or less.
6. **Mode Button** : Used for changing mode while selecting & setting Trip1, Trip2, Clock & Service reminder.
7. **Digital Clock** : It indicates time in HH : MM (AM/PM)
8. **Set Button**: Used for re-setting Trip meter, Clock & Service reminder.
9. **Turn Signal Indicator (↔️)**: It blinks when Turn signal switch is turned to L/R.



10. **Service Reminder (🔧)** : This reminds customer for "Service Due" it glows if ODO reading reaches 450 Km, 4450 Km, 9450 Km, 14450 Km, & so on after every 5000 Km. Icon will continue to glow till it is reset. This icon is to be reset after service is carried out.
11. **Neutral Indicator (N)**: When transmission is in neutral, the neutral indicator will glow.
12. **Low Battery Indicator (Lo\_bat)** : It indicates battery needs charging.
13. **Hi Beam Indicator (H)** : When the H/L is ON & Hi beam is selected then indicator will glow.
14. **Bajaj Logo (🏍️)**: Bajaj logo flying 'B' glows.
15. **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.
16. **Malfunction Indicator (🔧)** : It glows whenever any abnormality is noticed in functioning of FI related components.
17. **Side Stand Indicator** : It glows when Side stand is down. With side stand down condition and vehicle in gear, Engine cranking is disabled through ECU.

## Speedometer Setting



### Trip Meter Reset :

- Engine & Vehicle speed should be zero.
- Press Mode button for less than 2 sec. Mode gets changed from Trip 1 – Trip 2 – Trip 1.
- Press Set button for more than 5 sec. Selected trip mode is reset to zero. Other trip mode continues updating.

### Service Reminder Reset :

Bring the motorcycle at authorised BAL dealership for re-setting the service reminder icon.

### Clock Reset :

- Digital clock indicates time in HH & MM separated by colon ':'
- It is 12 hour clock.
- Initially ':' will be blinking
- Clock setting is possible in TRIP 1 mode only.
- Engine & Vehicle speed should be zero.

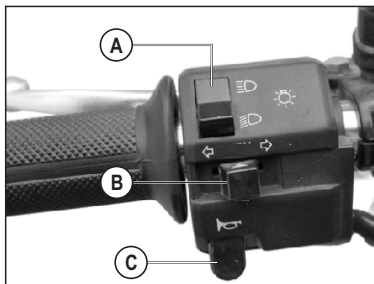
**AVENGER**  
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1.	Press mode & set push button together for more than 2 sec.	':' stops blinking Digits starts blinking
2.	Press mode button for less than 1 sec.	Hour digits will increase by one.
3.	Press Mode button continuously	Speedy increase in Hour digit
4.	Press Set button for less than 1 sec.	Increase in Minute digits
5.	Press Set button continuously	Speedy increase in minute digit
6.	Press mode & set button together for more than 2 sec.	Set value will be saved Exit clock setting mode Digits stop blinking ':' start blinking
7.	Clock set mode is selected & no editing is carried out for more than 5 sec.	Auto exit without saving set value. If engine/vehicle rpm is given then system will exit from clock set mode without saving set value.

## Control Switches - LH

**AVENGER** | **AVENGER**  
**220 CRUISE** | **220 STREET**

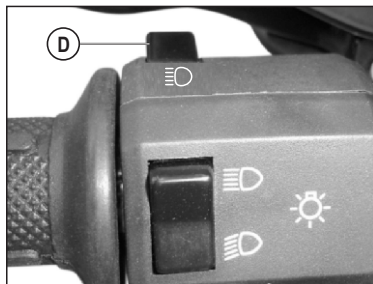


**A. Dipper Switch :** When headlight is ON, High or Low beam can be selected with the dipper switch.

☰ : High Beam      ☉ : Low beam

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

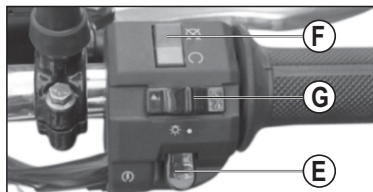
**C. Horn Button :** Press for sound horn.





**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.


Hi/Low beam Switch	Headlamp Status	Effect of Pass Switch
Low beam ☉	Low beam 'ON'	Hi beam 'ON'
Hi beam ☰	Hi beam 'ON'	No change
Any	OFF	Hi beam 'ON'

## Control Switches - RH



- E. Starter Button :** It 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 :** It is used for switching ON (  ) & OFF (  ) engine.
- F. Light Switch :** It has 2 positions. When ignition switch is 'ON', lighting system will work as per given table.

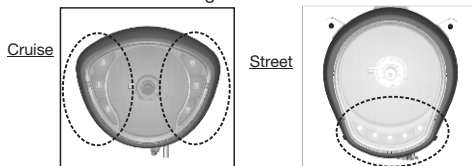
● : Tail lamp will get 'ON'. DRL 'ON' (High Intensity)

 : Head lamp, Tail lamp, Number Plate lamp & Speedometer illumination will get 'ON'. DRL remains 'ON' (Low intensity)

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### Day Time Running Light Feature:

- Day Time Running light is provided inside headlamp.
- Day Time running light gets 'ON' (High intensity) when ignition switch turned to 'ON' position.
- After headlight is turned to 'ON' position, intensity of DRL LED's will get reduced.



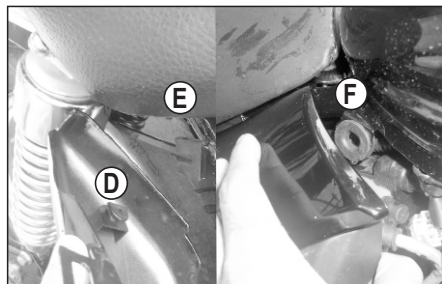
Ignition Switch	Light Switch	DRL	Head Light
ON	OFF	ON High Intensity	OFF
ON	ON	ON Low Intensity	ON

**Note:** The inside of the lamp lens might fog up after using the motorcycle in rain or after washing. Fog inside the lamp lens will disappear gradually by switching on the lamp while driving the motorcycle. The amount of time it takes for the fog to disperse depends on the humidity of the ambient air. Fog in non functional areas other than reflector does not affect the lamp performance.

## Removal & Fitment of Side Cover

**AVENGER**  
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### Removal of Side Cover RH

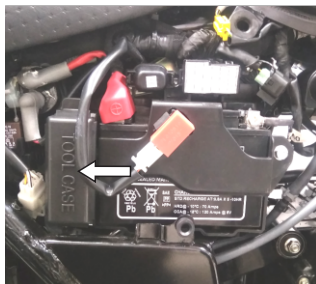
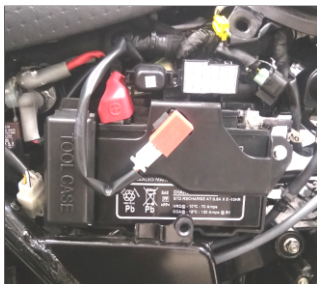
- Insert the key into the cover lock (A) and turn the key clockwise.
- Pull front side (B) first
- Slide side cover toward rear (C).
- Take out 'Side cover'.

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

### Fitment of Side Cover RH

- Match 'Side Cover' rear bullet (D) with bracket (E) located on chassis & slide toward front.
- Match 'Side Cover' front bullet with slot (F) & press side cover by other hand for positive engagement of bullet of side panel with tank slot.
- Match 'Side Cover' lock properly.
- Insert the key into the cover lock (A) and turn the key anti-clockwise.

**CAUTION** : Ensure tool kit is inserted properly into compartment



### Battery

- It is located inside the 'Side Cover' RH.
- Always maintain electrolyte level in each cell between max and min level lines.
- Always keep a watch on battery charge level indicating icon, if it flashes (indicates battery is in low charged condition), show the vehicle to authorised BAL dealer.

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

### Tool Kit Location

- Tool kit is located in tool kit compartment.
- Lid is provided inside RH side cover.

### First Aid Kit Location

- First aid kit is to be stored along with tool kit in the tool kit box provided near battery.

**CAUTION** : Ensure tool kit is inserted properly into compartment.



## 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 (between upper and lower level mark)
- **Throttle cable** play of 2 ~ 3 mm. Smooth operation and positive return to closed position,
- **Brake Pedal** Play - 20 to 30 mm.
- **Wear lining Indicator** within usable range. No brake dragging.
- **Brake Fluid** level above MIN mark provided on reservoir, applicable to disc brake vehicle.
- **Drive Chain** slack of 25 to 35 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.

## How to Ride Your Bike

**AVENGER**  
**220 CRUISE**

**AVENGER**  
**220 STREET**

### Starting The Engine :

- Turn ignition / kill switch to ON position.
- Confirm that transmission is in neutral.
- Keep throttle completely closed, press starter button “

### “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 :

Incase of battery discharged condition, please bring vehicle to dealership.

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.
- Depress clutch lever, Shift into 1<sup>st</sup> 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 running.

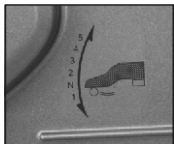
### Shifting Gears :

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

## How to Ride Your Bike



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



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, & 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.

## How to Ride Your Bike



### 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 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.

#### “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.



### E20

- 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.

## How to Ride Your Bike



### 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

## Safe Riding Tips

- 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.

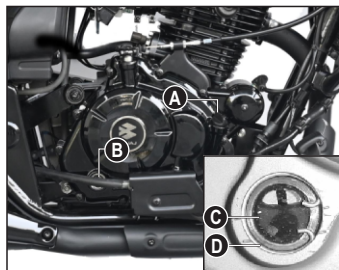


- It is suggested to customer to take appropriate care in area of heavy monsoon or high rainfall area. The appropriate surface preventive coat to avoid rusting / poor surface finish on account of adverse atmospheric conditions.
- Always carry vehicle registration & insurance papers, and a valid driving 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.

## Engine Oil



- A : Oil  
filler  
hole**
- B : Oil  
level  
gauge**

### 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 (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.
- Completely screw in the dipstick after oil filling is over.

### Engine Oil Capacity :

- Refill at servicing : 1150 ml.
- During engine overhaul : 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
Avenger 220 Cruise/Street	Bajaj DTS-i 20W50 <b>BS6 Compliant</b> SAE 20W50 JASO 'MA2' API SN <u>OR</u> Bajaj DTS-i 10W50 Synthetic <b>BS6 Compliant</b>

- Engine oil replacement frequency : 1<sup>st</sup> 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.

## Battery

**AVENGER** | **AVENGER**  
**220 CRUISE** | **220 STREET**



**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.
- Battery make may differ from vehicle to vehicle.
- 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.





### Tube Tyre: Cruise Version

Ensure no damage to wheel rim while removing tyre for puncture & replacement.

Ensure spokes are fully tight. In case loose spoke, kindly visit to authorised service center for re-tightening.

### Tubeless Tyre : Street Version

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 :** The walls of the tyres in contact with the wheel rim seals air & should not be damaged in any way during fitment / removal of tyre.

### Wheel Puncture:

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

### Tyre Pressure :

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

Avenger 220	Front	1.5Kgf/cm <sup>2</sup> (21PSI)
	Rear (Solo)	1.75Kgf/cm <sup>2</sup> (25PSI)
	Rear (with Pillion)	1.75Kgf/cm <sup>2</sup> (25PSI)

**Note :** In case 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 for only imported tyres.

## Periodic Maintenance Information



### Front Brake Fluid Level

- Front brake fluid master cylinder reservoir is located near RH switch on handle bar.
- To check oil level, keep the vehicle on Centre 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.
- Change the brake fluid as per periodic maintenance schedule.

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

### ABS System Information:

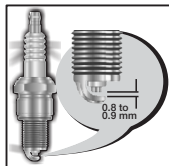
- Always maintain a safe distance between you and objects ahead. Vehicle speeds should always be reduced during extreme road conditions. The braking distance for motorcycle equipped with an anti-lock braking system may be longer than for those without it on rough road conditions. During these conditions 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.

## Periodic Maintenance Information



### 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** : 0.8 to 0.9 mm.

**Spark Plug** (2 Nos.) : CHAMPION P-RG6HCC  
BOSCH - UR6CE

### Drive Chain Slackness

- Chain slackness will have to be adjusted whenever required.
- Std. Chain slackness 25 ~ 35 mm.
- Marking on chain adjusters should be identically positioned on both sides.

### 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.

## Periodic Maintenance Information

**AVENGER** | **AVENGER**  
**220 CRUISE** | **220 STREET**

**Drive  
Chain  
Cleaning**



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.

## Free Service Guidelines

**AVENGER**  
**220 CRUISE**

**AVENGER**  
**220 STREET**

### 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	whichever occurs earlier
1st Free Service	30~45	500~750	
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.**

# Periodic Maintenance & Lubrication Chart

**AVENGER**  
**220 CRUISE**

**AVENGER**  
**220 STREET**

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		
5.	Air cleaner element* & air filter cover 'O' ring. Drain tube cleaning.	CL	CL	CL	CL	R	CL	CL	R
6.	Spark plug clean & check gap	CL,A,R			CL,A		CL,A		R
7.	Valve tappet clearance	C,A			C,A		C,A		C,A
8.	Throttle body rubber duct(Sleeve)for hard resulting in loose fitment (For Pulsar 180)	C,R				C,R	C, R	C,R	C,R

# Periodic Maintenance & Lubrication Chart

**AVENGER**  
**220 CRUISE**

**AVENGER**  
**220 STREET**

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 solution for washing.
Top-up	R	Top-up	R	Top-up	R	Top-up	R	Top-up	Use BGO 20W50.Alternate BGO 10W50. 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				Clean body centrifugal filter at 1st free service & at 20,000 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.
	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.

# Periodic Maintenance & Lubrication Chart

**AVENGER**  
**220 CRUISE**

**AVENGER**  
**220 STREET**

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
9.	Engine breather tube for cracks.	C,R			C,R	C,R	C,R	C,R	C,R
10.	EVAP system Hoses- check for cracks	C,R		C,R	C,R	C,R	C,R	C,R	C,R
11.	Engine oil cooler fins	C,R		C,R	C,R	C,R	C,R	C,R	C,R
12.	Engine foundation silent bushes for cracks	C,R			C,R		C,R		C,R
13.	Silencer drain hole cleaning	CL			CL	CL	CL	CL	CL
14.	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
15.	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
16.	Ignition switch contacts cleaning	CL,L			CL,L	CL,L	CL,L	CL,L	CL,L
17.	HT coil connections (Primary and Secondary)	C,T		C,T	C,T	C,T	C,T	C,T	C,T



# Periodic Maintenance & Lubrication Chart

**AVENGER**  
**220 CRUISE**

**AVENGER**  
**220 STREET**

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	C,R	C,R	C,R	C,R	C,R	Replace if required
	C,R		C,R		C,R		C,R		
	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	

# Periodic Maintenance & Lubrication Chart

**AVENGER**  
**220 CRUISE**

**AVENGER**  
**220 STREET**

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
18.	Starter motor & starter relay connections	C,T		C,T	C,T	C,T	C,T	C,T	C,T
19.	Check fault code, Clear fault history, Update latest hex file if applicable	C	C	C	C	C	C	C	C
20.	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
21.	Main stand & side stand both pivot pin	C,L					C,L		
22.	Spoke tightening-Front & Rear	C,T	C,T	C,T	C,T	C,T	C,T	C,T	C,T
23.	Steering play	C,A	C,A	C,A	C,A	C,A	C,A	C,A	C,A
24.	Steering stem bearing & Cap steering bearing (Plastic)*	C,CL,L			C,CL,L		C,CL,L		C,CL,L
25.	Front fork oil & seals	C,R	C,R	C,R	C,R	C,R	C,R	C,R	R
26.	Swing arm NRB for more play	L							
27.	Brake shoes (Rear) and Brake pad (Front) for wear limit.	C,R	C,R	C,R	C,R	R	C,R	C,R	R

# Periodic Maintenance & Lubrication Chart

**AVENGER**  
**220 CRUISE**

**AVENGER**  
**220 STREET**

Recommended frequency - Service interval & Kms									Remarks
8th	9th	10th	11th	12th	13th	14th	15th	16th	
34500	39500	44500	49500	54500	59500	64500	69500	74500	
35000	40000	45000	50000	55000	60000	65000	70000	75000	
C,T	C,T	C,T	C,T	C,T	C,T	C,T	C,T	C,T	
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)
	C,L				C,L				Use recommended AP grease.
C,T	C,T	C,T	C,T	C,T	C,T	C,T	C,T	C,T	Applicable for Avenger 220 Cruise.
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	R	C,R	C,R	C,R	Replace DOT 4 brake oil and oil seal + Dust seal in pair at every 30000 Kms
	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

# Periodic Maintenance & Lubrication Chart

**AVENGER**  
**220 CRUISE**

**AVENGER**  
**220 STREET**

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
28.	Rear brake cam	CL,L		CL,L	CL,L	CL,L	CL,L	CL,L	CL,L
29.	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
30.	Rear sprocket fasteners for looseness.	C,T	C,T		C,T		C,T		C,T
31.	Rear wheel rubber shock dampers for excess play.	C,R			C,R		C,R		C,R
32.	Fairing & windshield well nuts for rubber crack	C,R			C,R	C,R	C,R	C,R	C,R
33.	Clutch, Throttle cable & Rear brake pedal free play adjustment	C,A	C,A	C,A	C,A	C,A	C,A	C,A	C,A
34.	Head light focus adjustment	C,A	C,A	C,A	C,A	C,A	C,A	C,A	C,A
35.	Check & confirm all bulbs / switches working.	C,A	C,A	C,A	C,A	C,A	C,A	C,A	C,A
36.	General lubrication – Clutch lever.	L	L	L	L	L	L	L	L

# Periodic Maintenance & Lubrication Chart

**AVENGER**  
**220 CRUISE**

**AVENGER**  
**220 STREET**

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	
CL,L	CL,L	CL,L	CL,L	CL,L	CL,L	CL,L	CL,L	CL,L	Use AP grease.
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 brake oil & Master / Caliper seals at every 30000 Kms.
	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,A	C,A	C,A	C,A	C,A	C,A	C,A	C,A	C,A	Contact type switches if found sticky then use recommended WD40 spray
L	L	L	L	L	L	L	L	L	Use recommended AP grease.

# Periodic Maintenance & Lubrication Chart

**AVENGER**  
**220 CRUISE**

**AVENGER**  
**220 STREET**

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
37.	Tyre air pressure.	C,A	C,A	C,A	C,A	C,A	C,A	C,A	C,A
38.	Mirror position & joint firmness.	C,A	C,A	C,A	C,A	C,A	C,A	C,A	C,A
39.	All fasteners tightness, few are	C,T	C,T	C,T	C,T	C,T	C,T	C,T	C,T
	1.Front & rear axle								
	2.Swing arm axle								
	3.Engine foundation								
	4.Rider foot rest								
	5.Pillion stay								

\* 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.

# Periodic Maintenance & Lubrication Chart

**AVENGER**  
**220 CRUISE**

**AVENGER**  
**220 STREET**

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 tyre air pressure as per specification.
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



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 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.



**AVENGER**  
**220 CRUISE**

ENGINE NO. : 

			-				-			
--	--	--	---	--	--	--	---	--	--	--

 Sold on.: \_\_\_\_\_

Customer's Name Mr/Mrs/Miss :

Address : \_\_\_\_\_ Contact No.: \_\_\_\_\_

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

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

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

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

Dealer Code :

Dealer Name :

Address :

Contact No. :

## Warranty : Scope & Limit



Bajaj Auto Limited provides the following warranty in respect of the “**Avenger 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 thereof 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.

Proprietary 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 through 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 :

- 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

## Warranty : Scope & Limit

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, 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.

## Warranty : Scope & Limit



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 **"Avenger 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     | • Overcharge / Undercharge |
| • Internal Short       | • Reverse Charge           |
| • Plate Shedding       | • Left lying idle          |
| • Does not Hold Charge | • Wrong Assembly           |
| • Wrong Application    | • 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 Parts

**AVENGER**  
**220 CRUISE**

**AVENGER**  
**220 STREET**



THE WORLD'S  
FAVOURITE  
INDIAN

Always Use  
Bajaj Genuine  
High Performance  
Engine Oils

**4+**  
Premium  
Engine Oil

*Synthetic oil for more engine life\**

BAJAJ  
**DTS-i**  
10,000  
**20W 50**



Top up  
bottle



BAJAJ  
**DTS-i**  
10,000  
**10W 50**  
synthetic



Top up  
bottle



**Long Drain Interval of 10,000 kms\***



Reduced Friction



Clean Engine Parts,  
Longer Engine Life



Smooth Clutch  
Control



\*as per customer's choice

\* Top up recommended at 5,000 kms

*CRUISE* | *AVENGER* | *220 STREET* | BS VI

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](mailto:customerservice@bajajauto.co.in)

Web Site : [www.bajajauto.com](http://www.bajajauto.com)