

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 नि:शुन्क और बाद में भृगतान** सेवाएं शामिल हैं, इस पस्तिका में दिए गए अनुसची के प्रति।

आपली बाईक परिपूर्ण स्थितीत चालू ठेवण्यासाठी कृपया या बुकलेटमध्ये दिलेल्या शेड्यूलनुसार पीरिऑडिक मेन्टेनन्स सर्व्हिसेचे अनुकरण करा. **यात** 3 क्रीआणि त्यानंतरच्या पेड सर्व्हिसेस समाविष्ट आहेत.

ನಿಮ್ಮ ಬೈಕ್ ಸಂಪೂರ್ಣ ಚಾಲನಾ ಸ್ಥಿತಿಯಲ್ಲಿರಿಸಲು, ದಯವಿಬ್ಬ ಈ ಕೃಪಿಡಿಯಲ್ಲಿ ನಮೂದಿಸಲಾದ ಶೆಡ್ಯೂಲ್ ನಂತೆ ನಿಯತಕಾಲಿಕ ನಿರ್ವಹಕಾ ಸೇವೆಗಳನ್ನು ಅನುಸರಿಸಿ. ಇವು 3 ಉಚಿತ ಮತ್ತು ನಂತರ ಪಾವತಿ ಸೇವೆಗಳನ್ನು ಒಳಗೊಂಡಿರುತ್ತವೆ.

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

మీ బైక్ చక్కటి రన్పింగ్ కండిషన్ లో ఉండాలంటే బుక్ లెట్లో ఉన్న పెడ్యూల్ ప్రకారం క్రమం తప్పకుండా మెయింటెనెన్స్ సర్వీసు చేయించండి, ఇందులో 3 **ఉచిత సర్వీసులు,** ఆ తర్వాత పెయిడ్ సర్వీసులు ఉన్నాయి. നിങ്ങളുടെ ബൈക്ക് തികഞ്ഞ റണ്ണിംഗ് കണ്ടിഷനില്സംരക്ഷിക്കാന്ദ സൗജന്യവും തുടര്ന്ന് പണം നല്കിയുള്ളതുമായ മെയ്റ്റനന്സ് സര്വീസുകള്ദയവായി സമയാനുസൃതം ഈ ബുക്കുറ്റിലെ ക്രമപട്ടികയില് കാണിച്ചപ്രകാരം പാലിക്കുക.

আণনার বাইক নির্ভূলভাবে চালু অবস্থায় রাখার জন্য, নির্দিষ্ট সময় অন্তর রক্ষণাবেক্ষণ পরিষেবা অনুসরণ করুন যার মধ্যে আছে 3টি বিনামূল্যে এবং পরবর্তী মূল্যভিত্তিক পরিষেবা, এই পৃত্তিকার অন্তর্ভক ভালিকা অনুযায়ী।

ଆପଣକର ବାଇକ୍କୁ ଉପସ୍କୁ ରନିଂ ଅବସ୍ଥାରେ ରଖିବା ପାଇଁ ପିରିଡେିକ୍ ମେଂଟେନାନ୍ୟ ସର୍ଭିୟକୁ ଅନୁସରଣ କରକୁ ଯେଉଁଥିରେ ଅବର୍କୁକ ରହିଛି 3 ଟି ମାଗଣା ଓ ପଚଚଚୀ ପେଜ୍ ସର୍ଭିୟ ଯାହାର ସିହାର୍ ଏହି ବନ୍ରେତ୍ରେ ପଦାନ କରାଯାଇଥି I

તમારી બાઇકને સંપૂર્ણ ચાલુ સ્થિતિમાં રાખવા માટે, કૃપા કરી નીચે મુજબ સમયાંતરની જાળવણી સર્વિસનું પાલન કરો જેમાં ૩ **મકૃત અને પછી યુકવણી** સર્વિસની સમાવેશ થાય છ, આ પુસ્તિકામાં સમાવિષ્ટ સમયકમ મુજબ

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

আপোনাৰ বাইকখন সঠিকভাৱে চলি থকা ছিতিত ৰাখিবলৈ, অনুগ্ৰহ কৰি নিয়মীয়া তত্ত্বাবধান সেৱা অনুসৰণ কৰিব য'ত অন্তৰ্ভূক থাকে 3 টা বিনামূলীয়া আৰু তাৰ পিছৰ পৰিশোধ কৰা সেৱা, এই পুক্তিকাখনত অন্তৰ্ভূক অনুসূচী অনুসৰি।

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

Doc. No. 71120096

REV. 00, APR. 19

Foreword



Dear Customer,

Congratulations on becoming the proud owner of a "Avenger 160 Street" 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 160 Street" 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 <u>www.bajajauto.com</u>

Thank you for choosing a Avenger and wish you unlimited miles of happy riding ${\tt !!}$

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



Engine : 4 stroke, DTSi

Bore X Stroke : 58 mm x 60.7 mm

Eng. Displacement: 160.37cc

Compression Ratio: 9.8 ± 0.5:1

Idling Speed : 1400 ± 100

Max. Net Power : 15 PS at 8500 \pm 250

RPM

Max. Net Torque : 13.5 Nm at 7000 \pm 250

RPM

Ignition System : DC CDI

Spark Plug : Champion RG4HC

Spark Plug Gap : 0.7 to 0.8 mm.

Transmission : 5 speed constant mesh

Gear Shifting

Pattern : 1 Down 4 Up

Engine Lubrication: Wet sump, forced

Cooling System : Air cooled

Starting Aid : Electric Starter

Brakes

Front Brake : Hydraulic disc brake.

Rear Brake : Mechanical expanding

shoe.

Fuel Tank Capacity

Full : 13 liters
Reserve : 3.8 liters

Dimensions

Length : 2186 mm
Width : 806 mm
Height : 1070 mm
Wheel base : 1480 mm
Ground Clearance : 169 mm

Tyre Size

Front - Tubeless Tyre : 90/90 - 17, 49P Rear - Tubeless Tyre : 130/90 -15, 66P

Tyre Pressure

Front : 1.5Kg/cm² (21PSI)
Rear (Solo) : 1.5Kg/cm² (21PSI)
Rear (with Pillion) : 1.75Kg/cm² (25PSI)

Vehicle Kerb Weight : 154 kg. Gross Vehicle Weight : 284 kg.

Technical Specifications



Electrical System : 12 Volts DC

Battery : 12V, 4Ah VRLA

Head Lamp : 55/60W (Blue Tinge)

DRL : LED

Tail / Stop Lamp : Bulb 5/21W
Turn Signal Lamp : Bulb 10W

Speedometer Illumination: Bulb 4W

Bajaj Logo : LED

Fuel Gauge : Analogue

Reserve Indicator : Analogue

Neutral Indicator : LED

High Beam Indicator : LED

Turn Pilot Indicator : Bulb 1.7W

Low Battery Indicator : LED

ABS Indicator : LED

Rear Number Plate Lamp: Bulb 5W

Horn : 12V DC

Note:

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

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

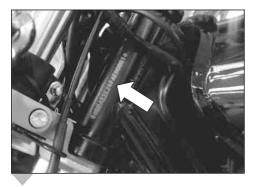
ABS System Information:

- 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.
- This vehicle complies to BS IV standards.
 - DRL is government regulation.

Identification Data

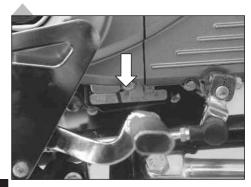


The Frame and Engine serial numbers are used to register the motorcycle. They are the unique alpha-numeric codes to identify your particular vehicle from others of the same model and type.



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

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



Location of Parts





Steering cum Ignition Lock





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



Steering Lock:

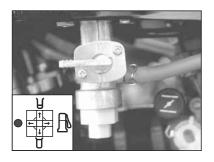
To lock the steering: Turn the handle bar to the left. Insert key in lock. Turn the key anticlockwise and push key in while turning the handle bar slightly to 'Right'. Turn the key clockwise (Original position). Pull the key out.

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 / Fuel Tap







Fuel Tap

Fuel tap lever has following positions.

•	OFF: When fuel supply is to be cut off.
Д	ON: When fuel level is above reserve position.
A	RES: When fuel level is below reserve position.

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.

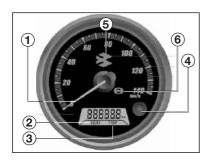
Precaution:

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

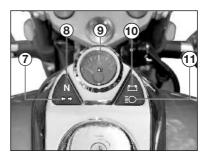
Note: In case petrol spills on to tank, ensure that tank is cleaned with a clean, dry cloth immediately.

Speedometer Details





- **1. Speedometer**: The speedometer needle shows the speed of the vehicle in Km/Hr.
- **2. Odometer**: It shows the total distance that the vehicle has covered.
- Trip Meter: It shows the distance travelled since it was last reset to zero.
- Mode Button : For selecting & resetting 'TRIP'.
- 5. Bajaj Logo: Bajaj logo flying 'B'.
- 6. 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.



- Turn Signal Indicator (LH & RH): It blinks when Turn signal switch is turned to L/R side.
- Neutral Indicator Light: When transmission is in neutral, the neutral indicator will glow.
- Fuel level indicator: It shows approx. available fuel in fuel tank. Red zone indicates reserve.
- **10.Low Battery Indicator :** It indicates battery needs charging.
- 11.Hi Beam Indicator Light: When the H/L is ON & the hi beam is selected then indicator light will glow.

Speedometer Setting





Mode button

After power on speedometer pointer moves from 0 to 140 & returns back to Zero.

Odometer (ODO):

- 6 digits with 'ODO' & 'km' icons.
- After 9,99,999 Km, the odometer display rolls over to 0 and continue updating.

Trip Meter (TRIP):

- 4 digits with a decimal point after third digit & 'TRIP' icon.
- Rolls over to zero after 999.9 Km & continue updating.

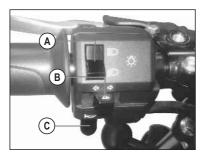
Trip Meter Reset :

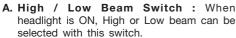
 Mode button is provided for selecting & resetting 'TRIP'.

1.	Press mode button for less than 2 sec.	Mode changes from ODO - TRIP - ODO
2.	Press mode button for more than 5 sec.	TRIP meter reading will reset to zero. ODO meter reading can not be resetted.

Control Switch - LH

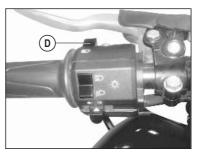






∃ : High Beam
∃ : Low beam

- B. Turn Signal Switch: When the turn signal switch is turned to Left (分) or Right (分) 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.

High / Low beam Switch	Headlamp Status	Effect of Pass Switch	
Low beam €○	Low beam 'ON'	Hi beam 'ON'	
Hi beam ≣O	Hi beam 'ON'	No change	
Any	OFF	Hi beam 'ON'	

Control Switch - 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 $(\bigcap$) & OFF (\bigotimes) engine.
- F. Light Switch: It has 2 positions. When igntion switch is 'ON', lighting system will work as per given table.
- : DRL 'ON' (High Intensity) and also Tail lamp will get 'ON'
- : Head lamp, Tail lamp, Number Plate lamp & Speedometer illumination will get 'ON'. DRL remains 'ON' (Low intensity)

Day Time Running Light:

- 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.



Igntion 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

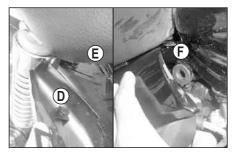






- Insert the key into the cover lock (A) and turn the key clockwise.
- Pull front side (B) first
- Slide side cover toward rear (C).
- Take out 'Side cover'.

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 / Tool Kit

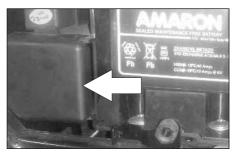




Battery

- · It is located inside the 'Side Cover' RH.
- 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 slot provided near battery.

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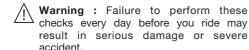
CAUTION: Ensure tool kit is inserted properly into compartment.

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.



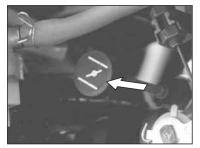
- Enough **fuel level** for planned distance of journey. No fuel leakage in fuel lines.
- Engine oil level (between upper and lower level mark)
- Throttle cable play of 2 ~ 3 mm. Smooth operation and positive return to closed position,

- 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.
- 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.



Starting The Engine:

- Keep fuel tap to ON or RES position.
- Turn ignition / kill switch to **ON** position.
- Confirm that transmission is in neutral.
- If the engine is cold or when starting for first time, use choke for quick starting.
- Keep throttle completely closed, press starter button "3".
- When the engine is warmed up enough to idle without using choke, return the choke to "OFF" position.



Choke "ON" - Pull

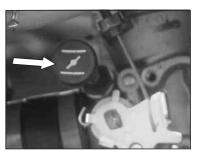
Note: When the engine is already warm on hot days (Higher than 35°C), open the throttle part away instead of using the choke, and then start the engine.



Caution: Do not operate the starter

Continuously for more than 5 seconds. Wait for 15 seconds before you recrank.

Note: The motorcycle is equipped with a starter lockout switch. The starter switch will operate only when transmission is in neutral or clutch lever depressed.



Choke "OFF" - Push



Moving Off:

- · Check that Center/Side stand is up.
- Depress 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 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.

Recommended Speed for Shifting Down

From 5 th to 4 th	50 km/h
From 4 th to 3 rd	40 km/h
From 3 rd to 2 nd	30 km/h
From 2 nd to 1 st	18 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.

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.



Fuel Saving Tips:

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

Good Riding Habits:

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

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	Always maintain recommended
Pressure	tyre pressure.
Carburettor	Clean & adjust the carburettor. Adjust idling speed.

Safe Riding Tips



Safe Riding Tips

- Always wear Helmet while driving or riding. Your helmet should conform to appropriate 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 and avoiding unnecessary acceleration and braking are important not only for safety and low fuel consumption, but also for longer life of the vehicle.
- During monsoon drive the vehicle more cautiously.
 Remember vehicles skid more easily during light showers.

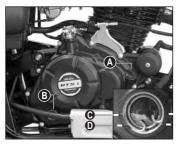
- Drive cautiously. Start early & reach your destination safely.
- Always carry vehicle registration & insurance papers, and a valid driving licence with you.
- Avoid driving on loose sand or stones where vehicle is likely to skid.
- Properly wrap-up loose clothes while driving or riding to avoid entangling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

Monsoon Care:

- 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.
- 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.

Engine Oil





A : Oil filler cap

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 tighten oil filler cap after oil filling is over.

Engine Oil Capacity:

- Refill at servicing: 1000 ml.
- During engine overhaul: 1100 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	Grade	
Avenger	Bajaj DTS-i	SAE 20W50 API	
160 Street	10000	'SL' or JASO 'MA'	

- Engine oil replacement frequency: 1st service & then every 10,000 Km.
- Engine oil level top-up frequency: Every 5000 km.



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





Battery: 12V - 4 Ah VRLA

Battery is located inside Side Cover RH.

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.
 - CAUTION: Do not drive / run vehicle in battery disconnected condition. It may lead to damage of electrical / electronic components.
- 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 low battery icon pop-up, it is advised to reach Bajaj dealer & get it charged immediately.
- Warranty on battery is 18 months from the date of purchase of vehicle.

How to keep battery healthy?

- Switch 'Off' ignition when engine is not running.
- Get battery checked/ charged during periodic services.
- Do not press starter button for more than 5 sec. After 3 successive cranking, wait for 15-20 sec. for battery to recover.
- Do not add extra electrical accessories such as - Remote, Bigger Horn, Musical brake light etc. This will reduce life of battery
- Disconnect battery +ve & -ve wires if vehicle is to be stored for more than 2 weeks. This avoids self discharge.

Wheels - Tyre



Street Tubeless Tyre



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: 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.

	Front	21 PSI
Avenger 160 Street	Rear (Solo)	21 PSI
	Rear (with Pillion)	25 PSI

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

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.

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



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.

Spark Plug (2 Nos.): Champion RG4HC

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.





Periodic Maintenance Information



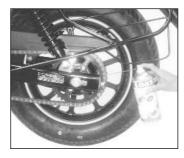


Drive Chain Cleaning

Drive chain must be cleaned & lubricated as per periodic maintenance schedule.

Sealed Drive Chain

- '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 Sealed Drive 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

Customer ID:

Subsequent

Paid services

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.
- You will receive the Customer ID through SMS at the time of buying of new vehicle.
- Please note the Customer ID in Owner's Manual for your reference.
- During Free Service, please provide your Customer ID to Dealer / ASD workshop.
- When you are at Dealership / ASD workshop for 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)

Service	Days	Kms _	
1st Free Service	30~45	500~750	
2nd Free Service	240	4500~5000	earlier
3rd Free Service	360	9500~10000	
Culpagguant	120 Days	Every	chever occurs

from

last Service

vhic

5000 Km

after previous

service

Periodic Service Criteria

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



Sr.		Servicina	1st Free	2 nd Free	3 rd Free 9500		F	SM/		
No.	Operation		500	4500			Every 5000 Km afte			Remark
		Kms	7 ~ 50	5000	10000		Previous	Service		
1	Water wash & dry the vehicle							_	-	Ensure to prevent water entry in Petrol tank,
	completely		1	/	✓	1	✓	1	/	Silencer & electrical Parts. Use caustic free detergent for washing.
2	Engine oil	C,R	R	Top Up	R	Top Up	R	Top Up	R	Bajaj DTS-i 20W50
3	Oil strainer	CL	CL		CL		CL		CL	
4	Body centrifugal filter	CL	CL				CL		CL	
5	Starter Clutch (Dry Type)	L		L	L	L	L	L	L	Use recommended Molycote grease.
6	Spark plug	CL,A,R			CL,A		CL,A		R	



	RECOMMENDED FREQUENCY									
Sr.	Operation	Servicing	1st Free	2 nd Free	3 rd Free		Ev	ery		Remark
No.	Cps:unv:	Kms	500 750	4500 5000	9500 10000	5000 Km after Previous Service			Homark	
7	Air cleaner element ***	CL,R	CL	CL	CL	R	CL	CL	R	
8	Air filter cover 'O' ring	CL,R	CL	CL	CL	R	R CL CL R			
9	Fuel cock sediment bowl cleaning	CL				CL	CL CL			
10	Carburettor rubber duct	C,R					C,R			
11	Fuel pipe	C,R	С	С	С	R	С	С	R	
12	Valve tappet clearance	C,A			C,A		C,A C,A			
13	Sealed drive chain cleaning & lubrication	CL,L,A	CL,L,A	CL,L,A	CL,L,A	CL,L,A	CL,L,A	CL,L,A	CL,L,A	Customer to apply OKS chain lub spray at every 500 kms.
14	Engine air breather tube	С	С	С	С	С	С	С	С	

[✓] Tick in the box

R

after replacing the periodic parts.



				RECO	MMEN	IDED F	REQU	ENCY		
Sr. No.	Operation	Servicing Kms	1st Free 500 750	2 nd Free 4500 5000	3 rd Free 9500 10000	Every 5000 Km after Previous Service			Remark	
15	Silencer drain hole cleaning	CL		CL	CL	CL	CL	CL	CL	
16	Brake cam & brake pedal pivot pin	C,L,R	С	C,L,R	C,L,R	C,L,R	C,L,R C,L,R C,L,R		C,L,R	Use AP grease.
17	Brake lining and brake pad - Check wear indicator		C,R	C,R	C,R	R	R C,R C,R R		R	
18	Brake fluid level - top up / replace	C,A,R				C,A			R	Use brake fluid (DOT4)
19	Disc brake assly Check functionality, leakage or any other damage.	С			С		С		С	
20	All cables & rear brake pedal-free play	C,A	C,A	C,A	C,A	C,A	C,A	C,A	C,A	Use recommended free play gauge.
21	Battery charge condition	C,A	C,A	C,A	C,A	C,A C,A C,A Use Midtronics test		Use Midtronics tester		
22	Wiring harness & Battery connections-routing, tie bands & clamps tightness.	C,A,L,T	C,A,L,T	C,A,L,T				Apply petroleum jelly on battery terminals.		

[✓] Tick in the box 🖪 after replacing the periodic parts.



				RECO	MMEN	IDED F	REQU	ENCY		
Sr. No.	Operation	Servicing Kms	1 st Free 500 750	2 nd Free 4500 5000	3 rd Free 9500 10000	Every 5000 Km after Previous Service			Remark	
23	Ignition switch barrel cleaning	C,CL	C,CL	C,CL	C,CL	C,CL	C,CL C,CL C,CL C,CL			Use WD40 spray
24	Handle bar control switches contacts cleaning	C,CL	C,CL	C,CL	C,CL	C,CL C,CL C,CL Use WI		Use WD40 spray		
25	Steering play	C,A	C,A	C,A	C,A	C,A	C,A	C,A	C,A	
26	Steering stem bearing*** & Cap steering bearing (Plastic)	C,CL,L,R			C,CL, L,R		C,CL, L,R		C,CL, L,R	Check & replace if Damaged. Use Limaplex grease for lubrication.
27	Main stand & side stand pin	CL,L			CL,L		CL,L		CL,L	Use AP grease.
28	All fasteners tightness	C,T	C,T	C,T	C,T	C,T C,T C,T C,T				
29	Engine foundation silent bushes	С				ССС				

[✓] Tick in the box

¬ after replacing the periodic parts.



				RECO	MMEN	IDED F	REQU	ENCY			
Sr. No.	Operation	Servicing Kms	1st Free 500 750	2 nd Free 4500 5000	3 rd Free 9500 10000		Every 5000 Km after Previous Service L L L L			Remark	
30	General lubrication - Clutch lever	L	L	L	L	L			Use AP grease.		
31	Idle speed / CO%	C,A	C,A	C,A	C,A	C,A	C,A C,A C,A				
32	Front fork dust seal & Rubber bellow	CL		CL	CL	CL	CL	CL	CL		
33	SAI, EVAP hoses - Check functionality, leakage or any other damage	C,R	C,R	C,R	C,R	C,R	C,R	C,R	C,R	Replace if cut / damaged	
34	EVAP drain tube cleaning	CL	CL	CL	CL	CL	CL	CL	CL		

[✓] Tick in the box

R after replacing the periodic parts.

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.

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

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

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 :

- 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



	720								
FRAME NO.	:								
ENGINE NO.	: Sold on.:								
Customer's Name Mr/Mrs/Miss :									
Address	:Contact No.:								
I have taken possesion	on 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.

Dealer Code
Dealer Name
Address

Customer's Signature

(To be filled in by the dealer)

Contact No.

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

Warranty: Scope & Limit



Bajaj Auto Limited gives the following warranty in respect of the "Avenger 160 Street" motorcycle manufactured by them.

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 occurs earlier from the date of sale subject to fulfillment of condition stipulated in part A, B & C given here under

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 and spark plugs 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 will give full assistance in preferring such claims.

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 from 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.
- Availing paid services at subsequent 5000 kms. or 120 days from last service whichever occurs first without any lapse.
- Availing of all above services at the Authorised Vehicle Dealers & Recommended Authorised Service Dealers.
- 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 :

- Normal maintenance operations like brake & clutch adjustments, cleaning of fuel system, engine tune-up or such other adjustments.
- Parts subjected to normal wear & tear like Clutch Plates, Brake Shoes, Chain, Sprockets, Fork Oil Seal, Spark Plug, Control Cables, Brake Pads.
- 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 of external damages or due to usage of protective covers /non-recommended protective coatings adverse atmospheric condition etc. is not allow like under warranty.
- All consumables like Engine oil, Fork oil, Brake Oil, Grease etc. are chargeable to customer.
- Any defect arising due to above consumables not changed as per scheduled or if used other than the recommended one.
- Never drive your bike through flooded roads or a flooded patch, damage 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.
- 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 in 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.
- 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.
- 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 160 Street" 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.	Specific Gravity	Voltage	Remarks	Dealer's Stamp & Signature	* Code
1							
2							
3							
4							
5							
6							

* Code For Remarks:

LL: Low electrolyte level.

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 applic	cable)
 Loose connection Internal Short Plate Shedding Intercell Connection Does not Hold Charge Wrong Assembly Wrong Application Terminal Corroded 	 Overcharge / Undercharge Reverse Charge High Specific Gravity Electrolyte Electrolyte Contamination Electrolyte Level not Maintained Left Lying Idle
·	Rejected
Note:	
Please contact nearest respective a	uthorised battery dealer for details immediately after purchase of

vehicle.

AVENGER [(5)(0)SIREET Notes

Use only Bajaj Genuine Parts







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

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