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**AVENGER**  
150 STREET

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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**  
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Engine : 4 Stroke  
Bore x Stroke : 58.00 mm x 56.4 mm  
Engine Displacement : 149.01 cc  
Compression Ratio : 9.5 : 1  
Idling Speed : 1400  
Max. Net Power : 14.54 PS at 9000 rpm  
Max. Net Torque : 12.5 Nm at 6500 rpm  
Ignition System : DC CDI  
Spark Plug : CHAMPION P-RG6HCC,  
BOSCH - UR6CE  
Spark Plug Gap : 0.8 ~ 0.9 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 : 14 liters  
Reserve : 3.4 liters

Dimensions  
Length : 2077 mm  
Width : 801 mm  
Height : 1070 mm  
Wheel base : 1480 mm  
Ground clearance : 169 mm

## Technical Specifications

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Tyre Size  
Front : 90/90 - 17, 49P  
Rear : 130/90 -15, 66P  
Tyre Pressure  
Front : 1.5Kg/cm<sup>2</sup>(21PSI)  
Rear (Solo) : 1.5Kg/cm<sup>2</sup>(21PSI)  
Rear (with Pillion) : 1.75Kg/cm<sup>2</sup>(25PSI)

Vehicle Kerb Weight : 148 kg.

Gross Vehicle Weight : 298 kg.

Electrical System : 12 Volts DC

Battery : 12V, 4Ah VRLA  
Head Lamp : 55/60W (Blue Tinge)  
Pilot Lamp : 4W  
Tail / Stop Lamp : 5/21W  
Turn Signal Lamp : 10W  
Speedometer Lamp : LED  
Bajaj Logo : LED  
Fuel Gauge Lamp : LED  
Neutral Indicator Lamp: LED  
High Beam Indicator Lamp:LED  
Turn Pilot Indicator Lamp: 1.7W  
Low Battery Indicator : LED  
Horn : 12V DC

Note :

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

## Identification Data

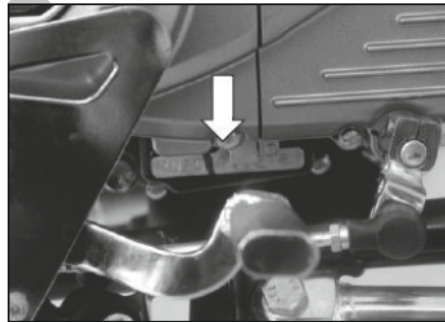
**AVENGER**  
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The Frame and Engine serial numbers are used to register the motorcycle. They are the unique alpha-numeric codes to identify your particular vehicle from others of the same model and type.



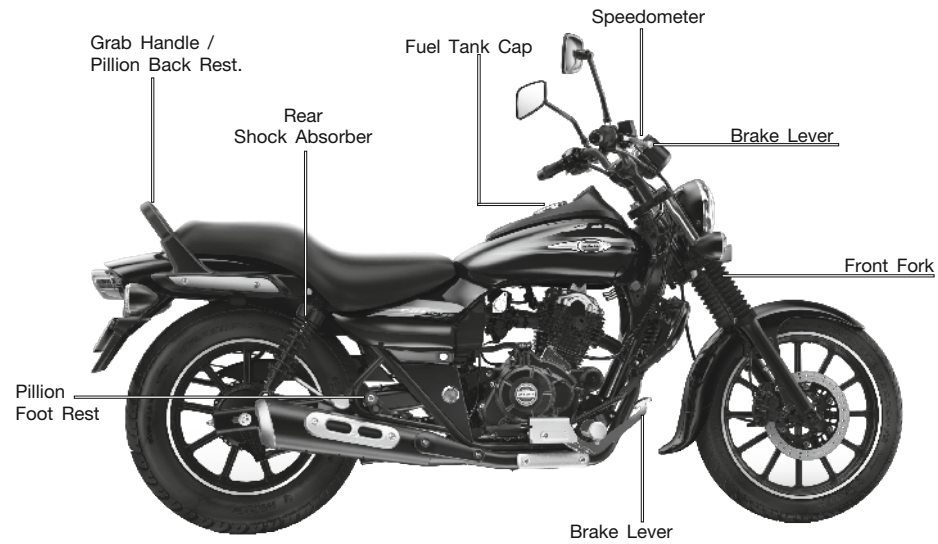
**Frame Number Location**  
On Side of Steering Tube  
(Alpha-Numeric - 17 Digits)

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



**Location of Parts (Avenger 150 Street)**

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## Steering cum Ignition Lock

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

Key Position	Function
OFF	Engine off. All Electrical circuits off
ON	Engine can be started in this Position by starter button.
P (Park)	Engine & all electrical off. Only Tail & Pilot lamp 'ON'.

 **Warning :** If you leave the P(Park) position on for a longer time, the battery may get discharged.

**Steering Lock :**

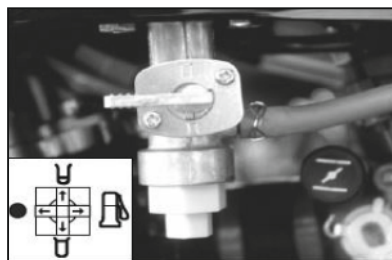
**To Lock the Steering :** To lock the steering, turn the handle bar to the left. Slide open key hole cover clockwise. Insert key in lock. Turn the key anti-clockwise & push key in while turning the handle bar slightly to 'Right', & turn the key clockwise (Original position). Pull the key out.

**To Unlock the Steering :** To unlock steering, insert key in lock & 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 & Side cover lock.




## Fuel Tank Cap/ Fuel Tap

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### Fuel Tap

Fuel tap lever has following positions.

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

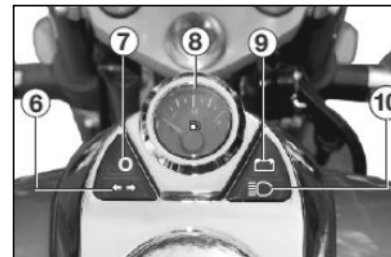
### To Lock Fuel Tank Cap :

To open the fuel tank cap, open the flap. Insert the key in the lock & turn it clockwise & lift fuel tank cap.

'Fuel tank cap' gets locked when pushed back into place.

## Speedometer Details

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**Speedometer display will work when both ignition switch & kill switch are in 'ON' position.**

- 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.
- 3. Trip Meter** : It shows the distance traveled since it was last reset to zero.
- 4. Trip Meter Knob** : Reset trip meter to zero by turning reset knob anticlockwise.
- 5. Bajaj Logo** : Bajaj Logo flying 'B'.

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



## Speedometer Setting

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After power on speedometer pointer moves from 0 to 160 & returns back to Zero.

### **ODO Meter (ODO) :**

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

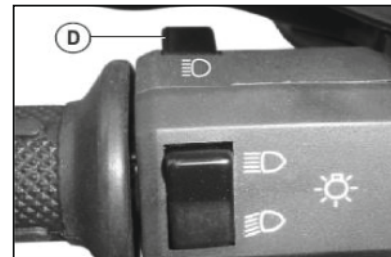
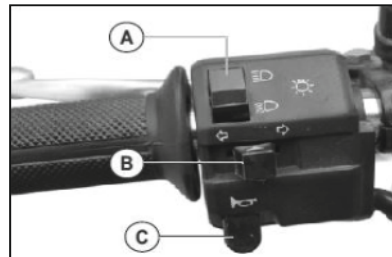
### **Trip Meter Reset :**

- Trip meter knob is provided for selecting & resetting 'TRIP'.

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

## Control Switches

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### Left Handle Bar Switches

**A. Dipper Switch :** When headlight is ON, High or Low beam can be selected with this 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 & off. To stop blinking push the switch in & release.

**C. Horn Button :** (  ) Press button for sounding horn.

**D. Pass Switch :** Press the switch to flash the head light. It is used to give signal to vehicles coming from opposite side while overtaking.

## Control Switches

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### Right Handle Bar Switches

**E. Head Light Switch** : It has 3 positions.

● : All lamps 'OFF'.

☰☷☷ : While engine running, Tail lamp, Meter lamp and Pilot lamps will glow.

☀ : While engine running, Head lamp, Pilot lamp, Tail lamp, Meter lamps will glow.

**F. Starter Button** : Starter button operates the electric starter when clutch lever is pressed with transmission in any gear.

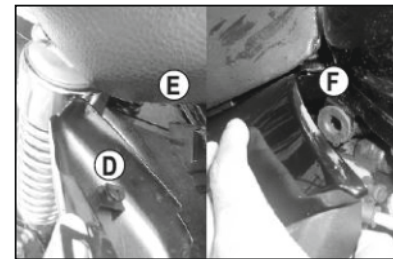
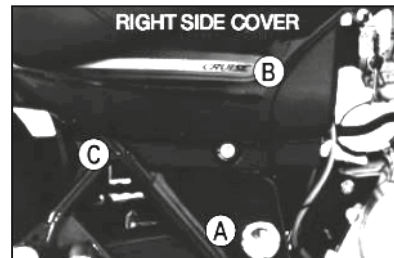
It is recommended to start engine with transmission in neutral.

**G. Engine Kill Switch** : The engine kill switch is to stop the engine. During emergency, move the engine kill switch to the 'OFF' (☒) position.

**CAUTION** : While starting ensure that engine kill switch is in ON (☑) position. Keeping the kill switch in OFF position Engine will not start.

## Removal & Fitment of Side Covers

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### Removal of Side Cover RH

- Insert the Key into the cover lock (A) & 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.

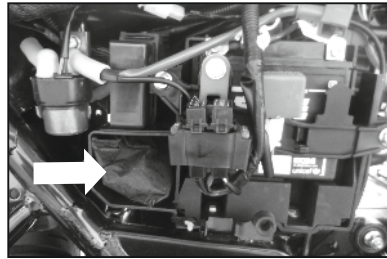
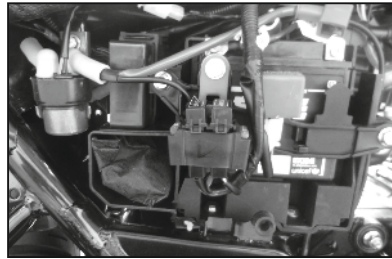
### Fitment of Side Cover RH

- 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) & turn the key anti-clockwise.

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


## Battery / Tool Kit

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### Battery

- It is located inside the 'Side Cover' RH.
- Always maintain electrolyte level in each cell between max & min level lines.
- When low battery icon pops-up on speedometer display, it is advised to get in touch with Bajaj dealer & get it charged immediately.


 **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.

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

## Daily Safety Checks

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Before riding motorcycle be sure to check following items. Please give proper importance to these checks & 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.

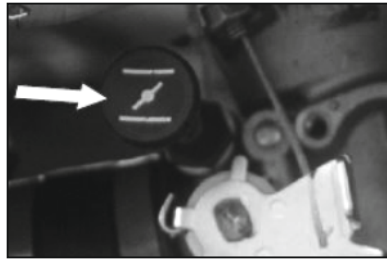
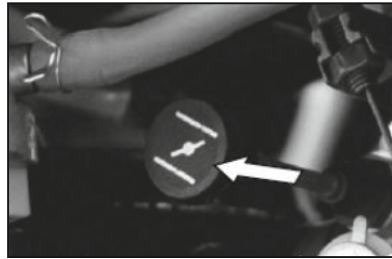


**Warning** : Failure to perform these checks every day before you ride may result in serious damage or severe accident.

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

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### Starting The Engine :

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

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

**CAUTION :** Do not operate the starter continuously for more than 5 seconds. otherwise battery would get discharged. Wait for 15 seconds between each operation of the starter which will facilitate battery to recover.

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

## How to Ride Your Bike

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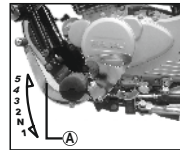
### Moving Off :

- Check that Center/Side stand is up / retracted.
- Depress the 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 prevent it from stalling.

### Shifting Gears :

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

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 in table above.

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



## How to Ride Your Bike

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### Stopping the Vehicle :

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

### Parking the Vehicle :

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



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

### Running IN

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

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

Kms	1st	2nd	3rd	4th	5th
0 - 1000	15	25	35	45	55
1000 - 2000	20	30	40	50	60

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

## How to Ride Your Bike

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### Fuel Saving Tips :

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

### Good Riding Habits :

- Ride smoothly & steadily at an optimum driving speed of 40 to 50 Km/h
- Avoid harsh braking.
- Change the gear judiciously according to the speed & 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 and connections for leakage.
Spark plugs	Inspect and clean spark plugs. Adjust electrode gap. Replace spark plugs as per P.M.Chart
Air filter	Clean 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 pressure	Always maintain recommended tyre pressure.
Carburettor	Clean & adjust the carburettor. Adjust idling speed.

## Safe Riding Tips

**AVENGER**  
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### Safe Riding Tips

- Always wear Helmet while riding. Your helmet should conform to appropriate Safety standards.
- Thoroughly read the instructions given in this manual and follow them carefully.
- Avoid unnecessary accessories for the safety of both rider and other motorists.
- Get familiar with and follow traffic rules & regulations in your states as well as general traffic signs.
- Familiaris 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 rider 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 long life of the vehicle.
- During monsoon drive the vehicle more cautiously. Remember vehicles skid more easily during light showers.



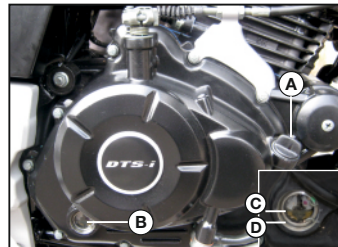
- Drive cautiously. Start early & reach your destination safely.
- Always carry vehicle registration & insurance papers, and a valid driving licence with you.
- Avoid driving on loose sand or stones where vehicle is likely to skid.
- Properly wrap-up loose clothes while riding to avoid entangling in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

### Rainy Season Care :

- It is suggested to customer to take appropriate care in area of high rainfall area. Appropriate surface preventive coat to avoid rusting 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

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- A : Oil Filler hole  
B : Oil Level gauge

### Recommended Engine Oil:

Model	Recommended Engine oil Grade
Street 150	SAE 20W50 API 'SL', or JASO 'MA'

- Engine oil replacement frequency : 1<sup>st</sup> service & then every 5,000 Km.
- Engine oil level top-up frequency : Every 2500 km.

### Engine Oil Level Checking :

- Check engine oil level every day in the morning. Park vehicle perpendicular to the ground on level surface.
- Check oil level through oil level window 'B'.
- Always maintain engine oil level between upper (C) and lower (D) mark provided on clutch cover RHS. Top up with specified grade of oil, if the oil level is below lower level mark.

### Engine Oil Capacity :

- Refill at servicing : 1150 ml.
- During engine overhaul : 1200 ml.



### CAUTION :

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

## Battery

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### Battery : 12V - 4 Ah VRLA

- Battery is located inside side cover RH.

### Battery Features :

- No topping-up is required
- Reduced self discharge, Enhances 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 an Authorised battery / Bajaj dealer for proper disposal.
- When low battery icon pops-up on speedometer display, it is advised to get in touch with Bajaj dealer & get it charged immediately.

### 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

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### Front Wheel



**Street**

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

### Tyre Pressure :

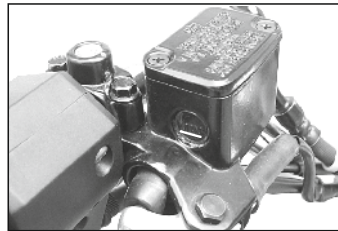
Keep appropriate tyre pressure as mentioned below to increase life of the tyre & for better fuel consumption.

Avenger 150 Street	Front	21 PSI
	Rear (Solo)	21 PSI
	Rear (with Pillion)	25 PSI

**Note :** *Ensure tyres fitted comply with local rules & regulations governing tyres.*

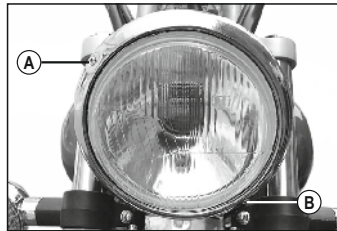
## Periodic Maintenance Information

**AVENGER**  
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### Front Brake Fluid Level

- Front brake fluid reservoir is located on RH side of handle bar.
- To check oil level, park vehicle perpendicular to the ground on level surface as mentioned in page no.18. with handle bar in straight ahead condition.
- 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.



### Head Light Beam Adjustment

The Head light beam can be adjusted Vertically and Horizontally. If adjusted too low, neither low nor high beam will illuminate the road adequately. If adjusted too high, the high beam will fail to illuminate the road.

A. Horizontal Adjustment screw : Turn the horizontal adjuster on the headlight with a screw driver in or out unit the beam points straight ahead.

Turn the horizontal adjuster clockwise to face the headlight left.

B. Vertical Adjuster screw : Turn the Vertical adjuster on the headlight in or out to adjust vertically.

Turn the Vertical adjuster clockwise to face the headlight up.

## Periodic Maintenance Information

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### Spark Plug

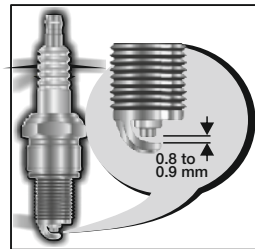
- Remove spark plugs by using plug spanner.
- Clean the spark plugs.
- Adjust the gaps if incorrect by bending outer electrode carefully.

**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.





## Periodic Maintenance Information

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### 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 500km.
- **O-ring chain lubrication can easily be done by owners using Bajaj 'Chain Lube Spray Can' available with Bajaj dealers, or equivalent. Ensure that the lubricant does not damage the rubber 'O' rings.**

#### Method of O-ring Chain Lubrication

- Park vehicle perpendicular to the ground on level surface as mentioned in page no.18. 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 mode 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.

## Periodic Maintenance & Lubrication Chart

**AVENGER**  
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Sr. No.	Operation	Servicing	RECOMMENDED FREQUENCY							Remarks
			1st	2nd	3rd	4th	5th	6th	7th	
			500 Kms	4500 5000	9500 10000	14500 15000	19500 20000	24500 25000	29500 30000	
1.	Water wash & dry the vehicle completely		✓	✓	✓	✓	✓	✓	✓	Ensure to prevent water entry in petrol tank, Silencer & electrical Parts. Use caustic free detergent for washing.
2.	Engine oil	C,R	R	R	R	R	R	R	R	<b>SAE 20W50 "API SJ" Grade</b> Replace at every 5000kms. And top-up at every 2500 Kms (if required)..
3.	Engine oil filter	C,R	R		R		R		R	
4.	Oil strainer	CL	CL		CL		CL		CL	
5.	Body centrifugal filter**	CL	CL				CL		CL	
6.	Starter Clutch (Dry Type)**	L		L	L	L	L	L	L	Use recommended Molycote grease.
7.	Spark Plug	CL,A,R			CL,A		CL,A		R	
8.	Air cleaner element***	CL,R	CL	CL	CL	R	CL	CL	R	

## Periodic Maintenance & Lubrication Chart

**AVENGER**  
150 STREET

Sr. No.	Operation	Servicing	RECOMMENDED FREQUENCY							Remarks
			1st	2nd	3rd	4th	5th	6th	7th	
			500 750 Kms	4500 5000	9500 10000	14500 15000	19500 20000	24500 25000	29500 30000	
9.	Air filter cover 'O' ring	CL,R	CL	CL	CL	R	CL	CL	R	
10.	In line paper filter	R				R			R	
11.	Fuel cock paper filter	R				R			R	
12.	Fuel cock sediment bowl cleaning	CL				CL			CL	
13.	Carburettor rubber duct	C,R					C,R			
14.	Fuel pipe	C,R	C	C	C	R	C	C	R	
15.	Valve tappet clearance	C,A	C,A	C,A	C,A	C,A	C,A	C,A	C,A	
16.	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.
17.	Engine air breather tube	C	C	C	C	C	C	C	C	
18.	Silencer drain hole cleaning	CL		CL	CL	CL	CL	CL	CL	

## Periodic Maintenance & Lubrication Chart

**AVENGER**  
150 STREET

Sr. No.	Operation	Servicing	RECOMMENDED FREQUENCY							Remarks
			1st	2nd	3rd	4th	5th	6th	7th	
			Kms 500 750	4500 5000	9500 10000	14500 15000	19500 20000	24500 25000	29500 30000	
19.	Silencer tail pipe cleaning**	CL		CL	CL	CL	CL	CL	CL	
20.	Brake cam & brake pedal pivot pin:	CL,R	C	C,L,R	C,L,R	C,L,R	C,L,R	C,L,R	C,L,R	Use recommended AP grease
21.	Brake lining or pad - Check wear indicator	C,R	C,R	C,R	C,R	R	C,R	C,R	R	
22.	Brake fluid level** - top up / replace	C,A,R				C,A			R	Use recommended brake fluid (DOT3/DOT4)
23.	Disk brake assly - check functionality, leakage or any other damage.	C			C		C		C	
24.	All cables & rear brake pedal-free play	C,A	C,A	C,A	C,A	C,A	C,A	C,A	C,A	
25.	wiring harness & Battery connections routine, tie bands & clamps tightness	C,A,T	C,A,T	C,A,T	C,A,T	C,A,T	C,A,T	C,A,T	C,A,T	
26.	Ignition switch barrel cleaning	C,CL	C,CL	C,CL	C,CL	C,CL	C,CL	C,CL	C,CL	Use recommended WD40 spray

## Periodic Maintenance & Lubrication Chart

**AVENGER**  
150 STREET

Sr. No.	Operation	Servicing	RECOMMENDED FREQUENCY							Remarks
			1st	2nd	3rd	4th	5th	6th	7th	
			500 750 Kms	4500 5000	9500 10000	14500 15000	19500 20000	24500 25000	29500 30000	
27.	Handle bar control switches contacts cleaning	C,CL	C,CL	C,CL	C,CL	C,CL	C,CL	C,CL	C,CL	Use recommended WD40 spray
28.	Steering play	C,A	C,A	C,A	C,A	C,A	C,A	C,A	C,A	
29.	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 HP Lithon RR3 or equivalent grease for lubrication
30.	Main stand & side stand pin**	CL,L			CL,L		CL,L		CL,L	Use recommended AP grease
31.	Swing arm pivot pin (for non silent bush)**	L		L	L	L	L	L	L	
32.	All fasteners tightness	C,T	C,T	C,T	C,T	C,T	C,T	C,T	C,T	
33.	Engine foundation silent bushes**	C				C			C	
34.	General lubrication-Clutch level, front brake level, kick lever.	L	L	L	L	L	L	L	L	Use recommended AP grease
35.	Idle speed / CO%	C,A	C,A	C,A	C,A	C,A	C,A	C,A	C,A	

## Periodic Maintenance & Lubrication Chart

**AVENGER**  
150 STREET

Sr. No.	Operation	RECOMMENDED FREQUENCY							Remarks	
		Servicing	1st	2nd	3rd	4th	5th	6th		7th
		Kms	500	4500	9500	14500	19500	24500		29500
36.	Front fork dust seal & Rubber bellow	CL		CL	CL	CL	CL	CL	CL	

\*\* As applicable to model

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

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

**Note :** Periodic parts / lubricants as per periodic maintenance & chart are mandatory & the same is chargeable to customer.

## Non-Use Maintenance

**AVENGER**  
1500 STREET

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

- Clean the entire vehicle thoroughly.
- Empty the fuel from the fuel tank & carburettor float bowl (if fuel is left in for a longer time, the fuel will break and gummy substance could clog the carburettor).
- Remove the spark plug & put several drops of 2T oil into the cylinder. Crank the 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 the 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 & 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 terminals. (applicable to certain models).

### Preparation for regular use after storage :

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