

Dear Customer,

Congratulations on becoming the proud owner of a “**Avenger 150 DTS-i**” 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 Centers 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 150 DTS-i**” has been provided with a warranty of 2 Years or 30,000 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 our toll free no.:

1800 233 2453 or e-mail us at: **customerservice@bajajauto.co.in** or visit the Bajaj Auto website 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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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
150 STREET

Engine	: 4 stroke
Bore X Stroke	: 58.00 mm x 56.4 mm
Eng. Displacement	: 149 cc
Compression Ratio	: 9.8 : 1
Idling Speed	: 1400 +/- 150
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 RG4HC, BOSCH - UR6CE
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	: 2077 mm
Width	: 801 mm
Height	: 1070 mm
Wheel base	: 1480 mm
Ground Clearance	: 169 mm

Tyre Size

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

Technical Specifications

AVENGER
150 STREET

Tyre Pressure	
Front	: 1.5Kg/cm ² (21PSI)
Rear (Solo)	: 1.5Kg/cm ² (21PSI)
Rear (with Pillion)	: 1.75Kg/cm ² (25PSI)
Vehicle Kerb Weight	: 149 kg.
Gross Vehicle Weight	: 299 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

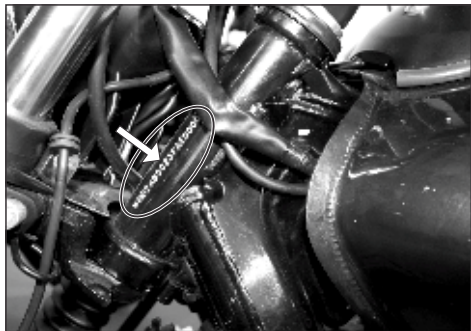
Note :

- **All dimensions are under UNLADEN condition.**
- **Above information is subject to change without any notice.**
- **This vehicle complies to BS IV standards.**
- **AHO is government regulation.**

Identification Data

AVENGER
150 STREET

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.

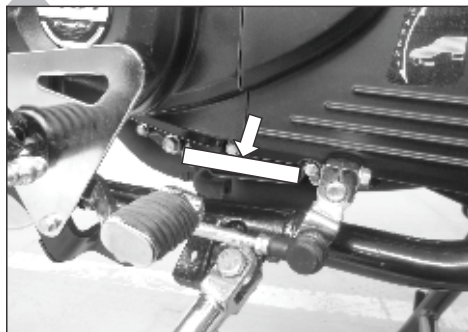


Frame Number Location

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

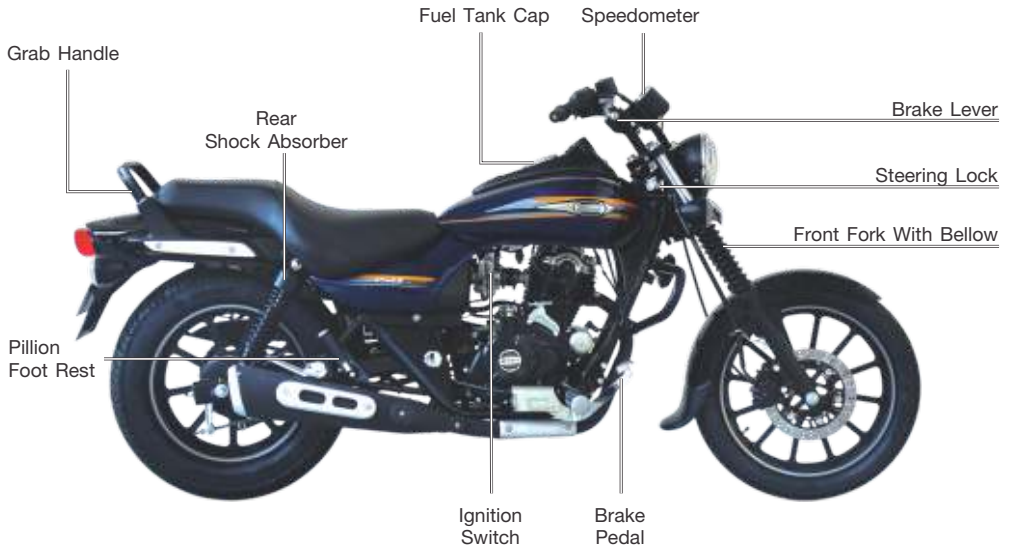
Engine Number Location

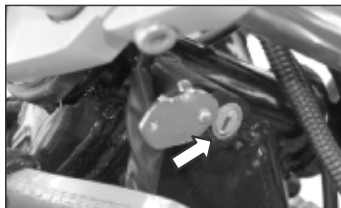
On LH Side Crankcase Near Gear
Change Lever (Alpha-Numeric - 11 Digits)



Location of Parts


AVENGER
150 STREET





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'.

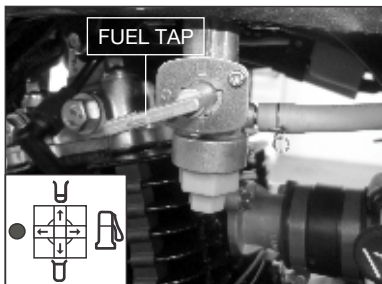
 **Warning :** If you leave the P (Park) position on for a long time (@1 hour), the battery may get discharged.

Steering Lock :

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 and push key in while turning the handle bar slightly to 'Right', and 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 Tap

Fuel tap lever has following positions.

●	OFF : When fuel supply is to be cut off.
U	ON : When fuel level is above reserve position.
hook	RES : When fuel level is below reserve position.

To Lock Fuel Tank Cap :

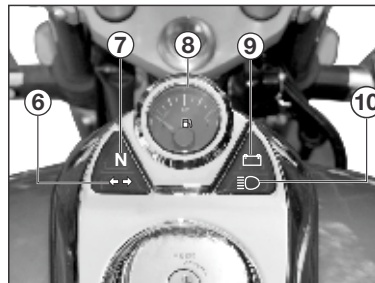
- To open Fuel Tank Cap, insert ignition key into the lock and turn it clockwise & lift cap.
- To close Cap, push it down into place with key inserted. Key can be removed by turning it anti-clockwise to original position.

Precaution :

Don't attach metallic 'Key chain' as it may damage paint of petrol tank cover.


Speedometer Details

AVENGER
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Speedometer display will glow with Ignition switch 'ON'

- 1. Speedometer** : The speedometer pointer 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

AVENGER
150 STREET



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 and continue updating.

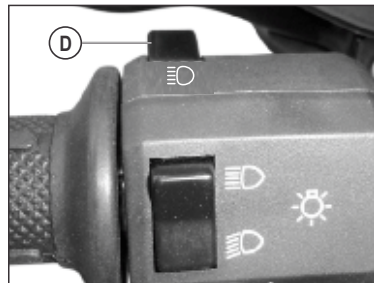
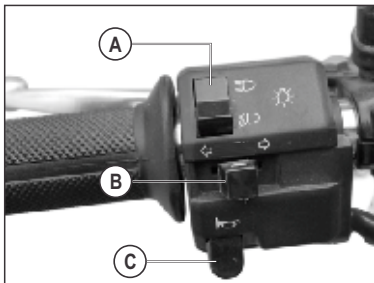
Trip Meter (TRIP):

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

Trip Meter Reset :

- 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.



Left Handle Bar Switches

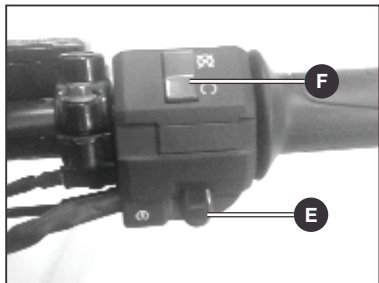
A. Dipper Switch : When headlight is ON, High or Low beam can be selected with the dipper switch.

☰○ : High Beam ☷○ : Low beam

B. Turn Signal Switch : When the turn signal 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 button for sounding horn.

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



Right Handle Bar Switches

E. Starter Button :

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

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

F. Engine Kill Switch :

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

☒ : Engine OFF

○ : Engine ON

AHO Feature (Automatic Headlight 'ON')

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

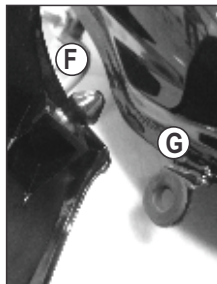
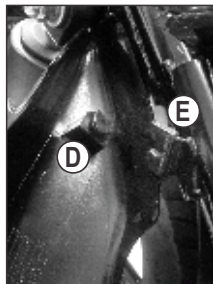
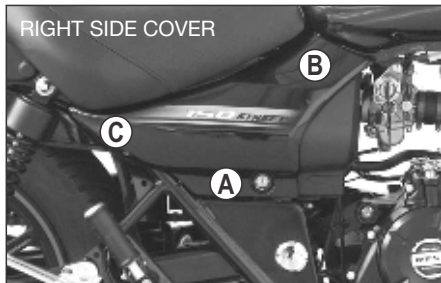
Ignition switch 'ON' Engine 'OFF'	Speedometer illumination Tail lamp, Pilot Lamp will get 'ON'
Effect of pressing 'Pass Switch'	In addition to above Hi-beam will get 'ON'

Ignition switch 'ON' & Engine Running

Speedometer illumination, Tail lamp, Pilot Lamp will get 'ON'.


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

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



Removal of Side Cover RH

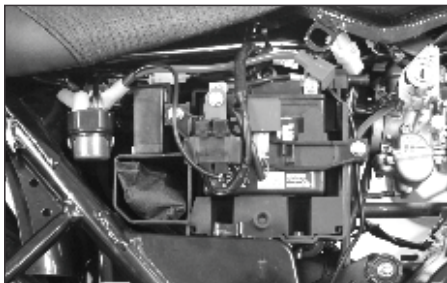
- Insert the key into the cover lock (A) and turn the key clockwise.
- Pull front side (B) first
- Slide side cover toward rear (C).
- Take out 'Side cover'.

 **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 (F) with slot (G) & 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 keep a watch on battery charge level indicating icon, if it flashes (indicates battery is in low charged condition), bring the vehicle to Authorised BAL Dealer.

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.

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.

Starting The Engine :

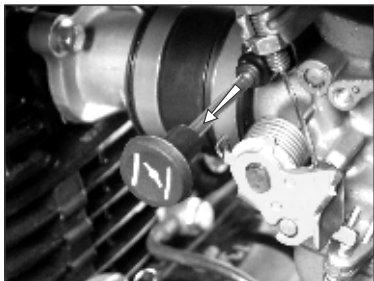
- Keep fuel tap to **ON** or **RES** position.
- Turn ignition / kill switch to **ON** position.
- Confirm that transmission is in neutral.
- If the engine is cold or when starting for first time, use choke for quick starting.
- Keep throttle completely closed, press starter button “

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.

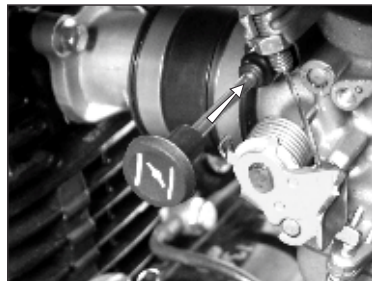


Caution : Do not operate the starter continuously for more than 5 seconds. Wait for 15 seconds before you recrank.

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 “ON” - Pull



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.

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	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.

Whenever vehicle is fallen down, remove plug of 'Y connector drain tube' & drain out accumulated petrol



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

Safe Riding Tips

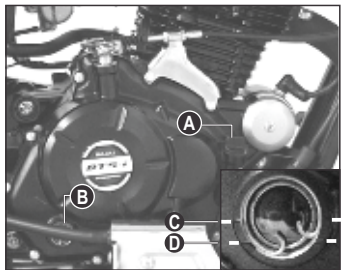
- Always wear Helmet while driving or riding. Your helmet should conform to appropriate Indian standards.
- Read thoroughly the instructions given in this manual and follow them carefully.
- Avoid unnecessary accessories for the safety of both rider and other motorists.
- Get familiar and follow traffic 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 lose control.
- Riding at proper speed and avoiding unnecessary acceleration and braking are important not only for safety and low fuel consumption, but also for longer life of the vehicle.
- During monsoon drive the vehicle more cautiously. Remember vehicles skid more easily during light showers.



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

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.



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 : 1000 ml.
- During engine overhaul : 1100 ml.

Recommended Engine Oil:

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



Recommended Engine oil	Grade
Bajaj DTS-i 10000	SAE 20W50 API 'SL'

- **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 : 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 on speedometer display, 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.



Tubeless Tyre :

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

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

Wheel Puncture:

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

Tyre Pressure :

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

Avenger 150 Street	Front	1.50Kg/Cm ² (21PSI)
	Rear (Solo)	1.50Kg/Cm ² (21PSI)
	Rear (with Pillion)	1.75Kg/Cm ² (25PSI)

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



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 3 or 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 until the beam points straight ahead.

Turn the horizontal adjuster clockwise to face the headlight left.

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

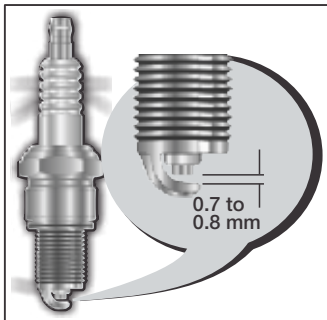
Turn the Vertical adjuster clockwise to face the headlight up.

Spark Plug

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

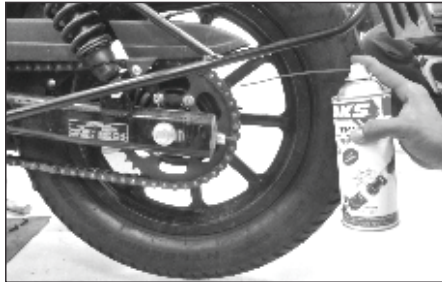
Spark Plug Gap : 0.7 to 0.8 mm.

Spark Plug (2 Nos.) : CHAMPION RG4HC
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.



**Drive Chain
Lubrication**

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.**

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

Customer ID :

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 / ASC.
- 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 / ASC workshop.
- When you are at Dealership / ASC workshop for Free Service, you will receive the 'Unique Coupon Number' (UCN) through SMS in your mobile.
- Please inform the UCN to Dealer / ASC at the time of Free Service.

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	
1st Paid Service			
2nd Paid Service	120 Days from last Service	Every 5000 Km after previous service	
3rd Paid Service			
4th Paid Service			

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

Periodic Maintenance & Lubrication Chart

AVENGER
150 STREET

Sr. No.	Operation	Servicing	RECOMMENDED FREQUENCY						Subsequent	
			1 st Free	2 nd Free	3 rd Free	Every 5000 Km after Previous Service				
			Kms	500 750	4500 5000	9500 10000				
1.	Water wash & dry the vehicle completely		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Ensure to prevent water entry in Petrol tank, Silencer & electrical Parts. Use caustic free detergent for washing.
2.	Engine oil (Bajaj DTSi 10000 oil)	C,R	<input type="checkbox"/> R	Top Up	<input type="checkbox"/> R	Top Up	<input type="checkbox"/> R	Top Up	<input type="checkbox"/> R	BGO DTSi 10W30 for 100cc models. BGO DTSi 20W50 for Models above 125cc.
3.	Engine oil filter	C,R	<input type="checkbox"/> R		<input type="checkbox"/> R		<input type="checkbox"/> R		<input type="checkbox"/> 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		<input type="checkbox"/> R	
8.	Air cleaner element ***	CL,R	CL	CL	CL	<input type="checkbox"/> R	CL	CL	<input type="checkbox"/> R	

✓ Tick in the box after replacing the periodic parts.

Periodic Maintenance & Lubrication Chart

AVENGER
150 STREET

Sr. No.	Operation	Servicing Kms	RECOMMENDED FREQUENCY							Subsequent
			1 st Free	2 nd Free	3 rd Free	Every 5000 Km after Previous Service				
			500 750	4500 5000	9500 10000					
9.	Air filter cover 'O' ring	CL,R	CL	CL	CL	<input type="checkbox"/> R	CL	CL	<input type="checkbox"/> R	
10.	In line paper filter	R				<input type="checkbox"/> R			<input type="checkbox"/> R	
11.	Fuel cock paper filter.	R				<input type="checkbox"/> R			<input type="checkbox"/> 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	<input type="checkbox"/> R	C	C	<input type="checkbox"/> R	
15.	Valve tappet clearance	C,A			C,A		C,A		C,A	
16.	Non-Sealed drive chain cleaning & lubrication	CL,L,A	CL,L,A	CL,L,A	CL,L,A	CL,L,A	CL,L,A	CL,L,A	CL,L,A	
17.	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.
18.	Engine air breather tube	C	C	C	C	C	C	C	C	
19.	Silencer drain hole cleaning	CL		CL	CL	CL	CL	CL	CL	

✓ Tick in the box R after replacing the periodic parts.

Periodic Maintenance & Lubrication Chart

Sr. No.	Operation	Servicing	RECOMMENDED FREQUENCY						Subsequent	
			1 st Free	2 nd Free	3 rd Free	Every				
			500 750	4500 5000	9500 10000	5000 Km after Previous Service				
20.	Silencer tail pipe cleaning**	CL		CL	CL	CL	CL	CL	CL	
21.	Brake cam & brake pedal pivot pin	C,L,R	C	C,L,R	C,L,R	C,L,R	C,L,R	C,L,R	C,L,R	Use AP grease.
22.	Brake lining or pad - Check wear indicator		C,R	C,R	C,R	<input type="checkbox"/>	C,R	C,R	<input type="checkbox"/>	
23.	Brake fluid level **- top up / replace	C,A,R				C,A			<input type="checkbox"/>	Use recommended brake fluid (DOT3/DOT4)
24.	Disc brake assly -- Check functionality, leakage or any other damage.	C			C		C		C	
25.	All cables & rear brake pedal-free play	C,A	C,A	C,A	C,A	C,A	C,A	C,A	C,A	
26.	Battery electrolyte level, specific gravity	C,A	C,A	C,A	C,A	C,A	C,A	C,A	C,A	Not applicable for VRLA battery
27.	Wiring harness & Battery connections- routing, 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	
28.	Ignition switch barrel cleaning	C,CL	C,CL	C,CL	C,CL	C,CL	C,CL	C,CL	C,CL	Use WD40 spray

✓ Tick in the box after replacing the periodic parts.

Periodic Maintenance & Lubrication Chart

AVENGER
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Sr. No.	Operation	Servicing	RECOMMENDED FREQUENCY							Subsequent
			1 st Free	2 nd Free	3 rd Free	Every				
			500 750	4500 5000	9500 10000	5000 Km after Previous Service				
29.	Handle bar control switches contacts cleaning	C,CL	C,CL	C,CL	C,CL	C,CL	C,CL	C,CL	C,CL	Use WD40 spray
30.	Steering play	C,A	C,A	C,A	C,A	C,A	C,A	C,A	C,A	
31.	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 grease for lubrication.
32.	Main stand & side stand pin**	CL,L			CL,L		CL,L		CL,L	Use AP grease.
33.	Swing arm pivot pin (for non silent bush)**	L		L	L	L	L	L	L	
34.	All fasteners tightness	C,T	C,T	C,T	C,T	C,T	C,T	C,T	C,T	
35.	Engine foundation silent bushes**	C				C			C	
36.	General lubrication-Clutch lever, front brake lever, kick lever.	L	L	L	L	L	L	L	L	Use AP grease.
37.	Idle speed / CO%	C,A	C,A	C,A	C,A	C,A	C,A	C,A	C,A	

✓ Tick in the box after replacing the periodic parts.

Periodic Maintenance & Lubrication Chart

Sr. No.	Operation	Servicing	RECOMMENDED FREQUENCY							Subsequent	
			Kms	1 st Free	2 nd Free	3 rd Free	Every				
				500 750	4500 5000	9500 10000	5000 Km after Previous Service				
38.	Coolant level in expansion tank**	C,A	C,A	C,A	C,A	C,A	C,A	C,A	C,A	Use recommended 'Ready to use coolant'.	
39.	Coolant hose damage/clamps/leakage**	C		C	C	C	C	C	C		
40.	Radiator fins**	C		C	C	C	C	C	C		
41.	Spoke tightening**-Front & Rear	C,T	C,T	C,T	C,T	C,T	C,T	C,T	C,T		
42.	Front fork dust seal & Rubber bellow	CL		CL	CL	CL	CL	CL	CL		
43.	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	
44.	EVAP drain tube cleaning**	CL	CL	CL	CL	CL	CL	CL	CL		

✓ Tick in the box after replacing the periodic parts.

** As applicable to model

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

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

Note : Periodic parts, Oil, Coolant, 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.

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. 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 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 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 proper tyre pressure.

Delivery Certificate

AVENGER
150 STREET

FRAME NO. :

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.

Dealer Code :

Dealer Name :

Address :

Contact No. :

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

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

Warranty : Scope & Limit

AVENGER
150 STREET

Bajaj Auto Limited gives the following warranty in respect of the “**Avenger 150 DTS-i**” 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 thereof as may be found, on examination, to have manufacturing defect within a period of 2 Years or 30,000 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 (Only one year warranty from the date of purchase/as applicable) 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 :

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

Warranty : Scope & Limit

AVENGER
150 STREET

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 / customers 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 4 paid services at every 5000 kms. or 120 days whichever occurs first without any lapse.
3. Availing of all above services at the Authorised Vehicle Dealers & Recommended Authorised Service Centers.
4. Maintaining all service records duly signed and stamped by dealers.
5. 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.
6. 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 electrical items like self-start's wear and tear items (if fitted), 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 /additional protective coatings adverse atmospheric condition etc. is not allow 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. 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.
8. Oxidation of unpainted/painted crankcase, cylinder block, cylinder head etc. in acidic environment or in a coastal area.
9. Valve lapping (De-carbonizing) is to be carried out if required.
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.**
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 150 DTS-i"** 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 applicable)

- | | |
|------------------------|-------------------------------------|
| • Loose connection | • Overcharge / Undercharge |
| • Internal Short | • Reverse Charge |
| • Plate Shedding | • High Specific Gravity Electrolyte |
| • Intercell Connection | • Electrolyte Contamination |
| • Does not Hold Charge | • Electrolyte Level not Maintained |
| • Wrong Assembly | • Left Lying Idle |
| • 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.
