

User's Guide



BAJAJ  
CT 100



Dear Customer,

Congratulations on choosing “**Bajaj CT-100**” motorcycle, one of the finest motorcycles in the country brought to you by Bajaj Auto Limited.

Before you prepare for riding, please read this User's Guide carefully to familiarize yourself with the mechanism and the controls of the vehicle.

To maintain your bike in perfect running condition and to deliver consistent performance, we earnestly advise you to avail periodic services.

You can entrust Bajaj Dealers, who are well equipped with all necessary facilities, skill sets and trained manpower for servicing and repairs of your “**Bajaj CT-100**”. In the rare event of going to a local garage, always insist on Genuine Bajaj Spares to ensure safety, performance and longer life of your vehicle.

Should you require any additional information, please approach Bajaj Dealers. If necessary, you may also write to selling Dealers, with relevant details like Registration no. Chassis no., Engine no., Date of purchase, Kms. run, name of selling Dealer and your contact numbers.

Finally, may we request you to give your motorcycle a proper care and regular maintenance, as described in this manual. We are sure this will offer you a long trouble-free ownership experience.

Wishing you unlimited miles of happiness!

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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 a potential hazard that could result in vehicle damage. Follow the advice provided with 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



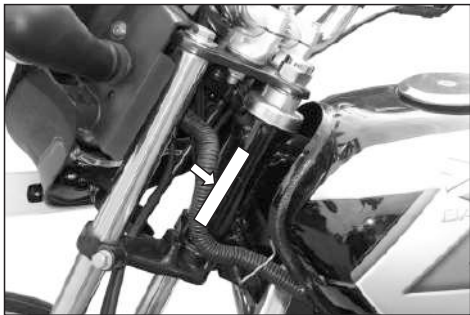
	<b>CT 100</b>	<b>CT 100 ES</b>
Engine	4 stroke, air cooled	4 stroke, air cooled
Bore x Stroke	53 mm x 45 mm	47 mm x 58.8 mm
Displacement	99.27 cc	102 cc
Idling Speed	1400 +/-100 rpm	1450 +/-100 rpm
Max. Net Power	8.2 PS @ 7500 rpm	7.7 PS @ 7500 rpm
Max. Net Torque	8.05 Nm @ 4500 rpm	8.24 Nm @ 5500 rpm
Ignition System	AC-DC, Digital CDI	AC-DC, Digital CDI
Spark Plug	Champion PRZ9HC or BOSCH UR3AC	Champion PRZ9HC or BOSCH UR4AC
Spark Plug Gap	0.7 to 0.8 mm	0.7 to 0.8 mm
Transmission	4 speed (All down)	4 speed (All down)
Starting	Kick	Electric / Kick
Front Brake	Drum Brake	Drum Brake
Rear Brake	Drum Brake	Drum Brake
Tank Capacity	10.5 Liters	10.5 Liters
Reserve	2.3 Liters	2.3 Liters
Usable Reserve	1.6 liters	1.6 liters
Tyre Size Front	2.75 x 17", 41 P	2.75 x 17", 41 P
Tyre Size Rear	3.00 x 17", 50 P	3.00 x 17", 50 P

	<b>CT 100</b>	<b>CT 100 ES</b>
Length	1945 mm	1945 mm (Alloy), 1965mm (Spoke)
Width	770 mm	752 mm
Height	1071 mm	1071 mm
Wheel Base	1235 mm	1235 mm
Ground Clearance	169 mm	169 mm
Tyre Pressure		
Front	1.75 Kg/Cm <sup>2</sup> (25.0 PSI)	1.75 Kg/Cm <sup>2</sup> (25.0 PSI)
Rear (Solo)	2.00 Kg/Cm <sup>2</sup> (28.5 PSI)	2.00 Kg/Cm <sup>2</sup> (28.5 PSI)
Rear (with Pillion)	2.25 Kg/Cm <sup>2</sup> (32.0 PSI)	2.25 Kg/Cm <sup>2</sup> (32.0 PSI)
Electrical System	AC-DC 12 V	AC-DC 12 V
Head lamp	35/35W	35/35W
Tail / Stop Lamp	10/5W	10/5W
Side Indicator	10W - 4 nos.	10W - 4 nos.
Horn	12V, 2A	12V, 2A
Battery	12V, 2.5 Ah	12V, 3Ah VRLA
Neutral, Hi Beam, Side indicator	2W	2W
Speedometer Lamp	2W	2W
Kerb Weight	108 Kg	111 Kg
Gross Weight	238 Kg	241 Kg

**Note :**

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

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

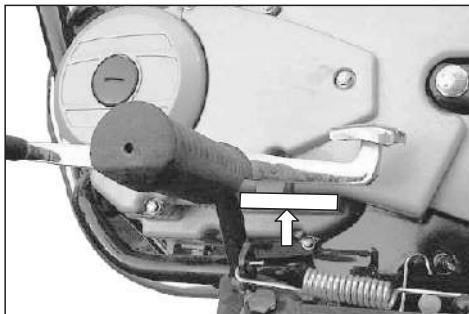


### Frame Number Location

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

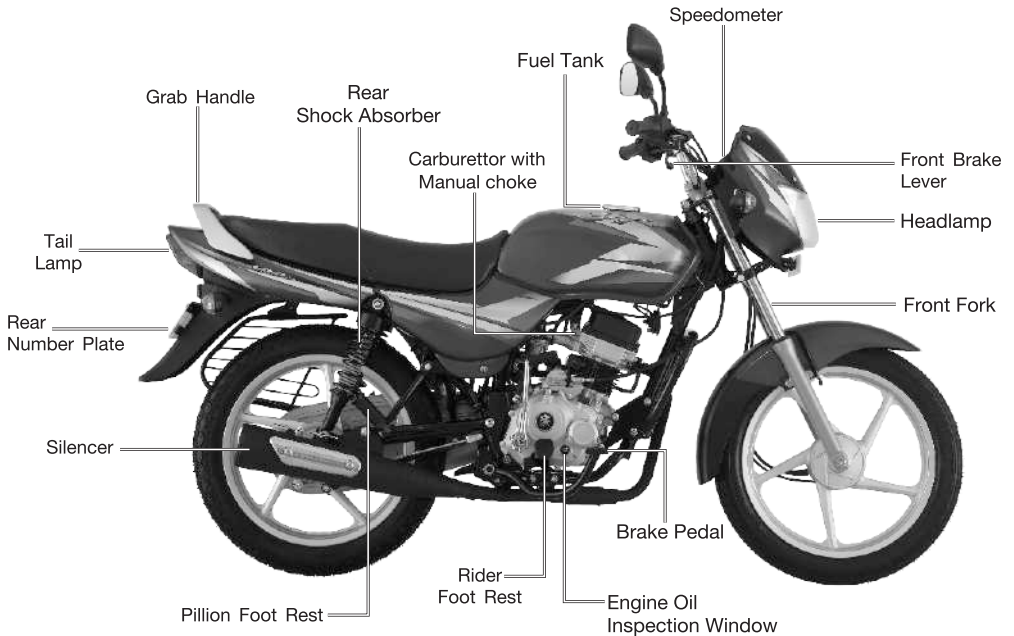
### Engine Number Location

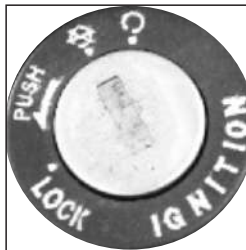
On LH Side Crankcase  
Near Gear Change Lever  
(Alpha-Numeric - 11 Digits)



# Location of Parts

BAJAJ  
CT 100





## Steering cum Ignition Lock :

It has three positions.

●	<b>LOCK</b> : Steering locked. Ignition OFF.
⊗	<b>OFF</b> : Steering unlock. Ignition OFF.
⊙	<b>ON</b> : Steering unlock. Ignition ON.

**To Lock the Steering :** To lock the steering, turn the handle bar to the left or right. Push & release the key. Turn the key to “LOCK” position and remove the key.

**To Unlock the Steering :** To unlock the steering, insert the key in steering cum ignition lock & turn it clockwise to “OFF” or “ON” position.

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





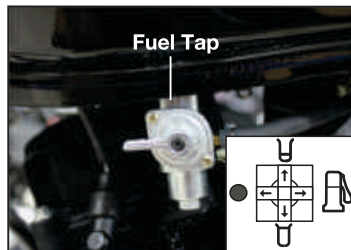
## Fuel Tank Cap

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

### Precaution :

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



## 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.



CT 100



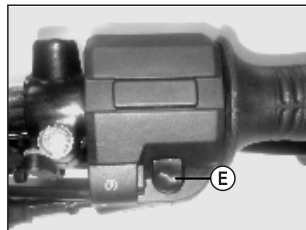
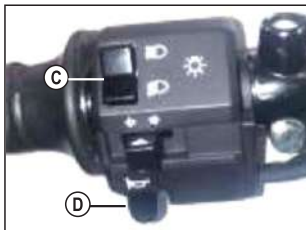
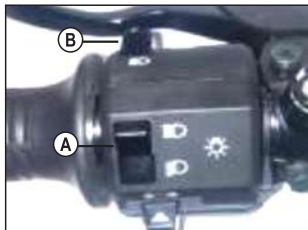
CT 100 ES

1. **Speedometer :**  
The Speedometer pointer shows the speed of vehicle.
2. **Odometer :**  
The Odometer shows the total distance that the vehicle has been ridden.
3. **Neutral Indicator :**  
When the transmission is in Neutral and Ignition switch 'ON', the Neutral indicator is lit. (Symbol is visible under lit condition).
4. **Hi Beam Indicator :**  
When Headlight is 'ON' and Hi beam is selected with engine running, Hi beam indicator will be lit. (Symbol is visible under lit condition).
5. **Turn Signal Indicator (LH & RH) :**  
When Turn signal switch is turned to Left or Right, Turn pilot indicator will flash. (Symbol is visible under lit condition).
6. **Fuel Level Indicator :** Shows available fuel in fuel tank.

AHO Feature - AHO (Automatic Headlight ON) feature is provided.

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

Ignition switch ON <b>Engine OFF</b>	N – Neutral Lamp ON
Ignition switch ON <b>Engine Running</b>	<ol style="list-style-type: none"> <li>1. N - Neutral Lamp ON</li> <li>2. Tail lamp ON</li> <li>3. High beam indication ( If High beam is selected )</li> <li>4. Speedometer Lamp ON</li> <li>5. Head Lamp will get ON as per Low/High Beam selector switch position.</li> </ol> <p>☹ : Hi Beam ☹ : Low Beam</p>



### Control Switch LH

#### A. Hi / Low beam switch

	While engine running, Headlamp High beam filament gets ON
	While engine running, Headlamp Low beam filament gets ON

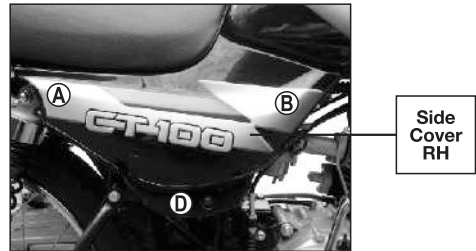
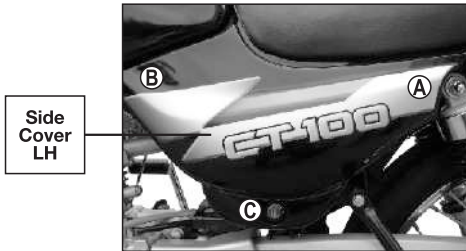
**B. Pass Switch :** ( ) Press the switch to flash the head light. It is used to give signal to vehicles coming from opposite side while overtaking.

**C. Turn Signal Switch :** When the turn signal switch is turned to Left ( ) or Right ( ), the corresponding turn signals flash on and off. To stop flashing, turn the knob to center position.

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

### Control Switch RH

**E. Starter Button (for Electric Start) :** It operates the electric starter when clutch lever is depressed with transmission in any gear. It is recommended to start engine with transmission in neutral.



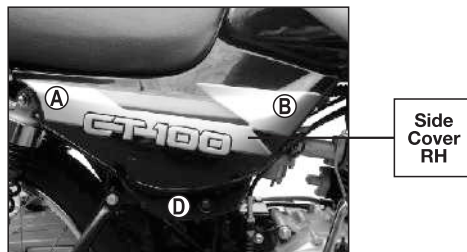
## Removal of Side Cover LH & RH

- Insert the key into the cover lock (C) and turn the key clockwise & pull the 'Side cover' LH out from the bottom.
- Pull 'Side cover' from (A) to release Lug provided on 'Side cover' from hole provided on 'Frame'.
- Slide the 'Side Cover' forward (towards the engine) from location (B) to release slot provided on front side of 'Side cover' from bracket with rubber cap provided on 'Fuel Tank'. Take out 'Side cover'.

- Similarly 'Side cover' RH can be removed after removing screw (D).



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



## Fitment of Side Cover LH & RH

- Match slot (B) provided on front side of 'Side Cover' with bracket provided on 'Fuel Tank' and slide 'Side cover' backward (towards Tail lamp).
- Match Lug (A) provided on rear side of 'Side cover' with hole provided on 'Frame' and press 'Side cover' inside.
- Match the lock plate of 'Side cover' properly with bracket on 'Chassis' and Lock. (For 'Side cover' LH).

- For 'Side cover' RH adopt same procedure and fit the screw (D) properly.



**CAUTION :** Fit cover as described above to ensure proper fitment.



CT 100



CT 100 ES

### Battery

- It is located inside the 'Side Cover' LH.
- Always maintain electrolyte level in each cell between upper and lower level lines by adding distilled water.

### Tool Kit Location

- It is located inside the Side cover LH.
- A rubber strap is provided to hold the tool kit.



**CAUTION :** Always fit rubber strap to hold the tool kit.

Before riding the motorcycle be sure to check following items. Please give proper importance to these checks and perform all of them before riding.

If any irregularities are found during these checks, refer to the Maintenance chapter & see your Distributor/Dealer for the action required to return the motorcycle to a safe operating condition.



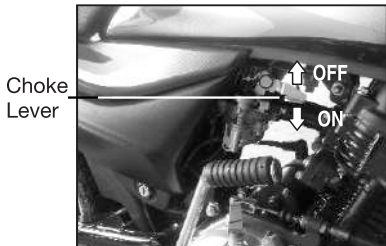
**Warning :** Failure to perform these checks every day before you ride may result in serious damage or severe accident.

- 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** free play of 2 ~ 3 mm. Smooth operation and positive return to closed position.
- **Front brake lever** free play of 4 ~ 5 mm.

- **Rear brake pedal** free play- 20 to 30 mm.
- **Wear lining Indicator** within usable range. No brake dragging, applicable to drum brake vehicles.
- **Drive Chain** slack of 20 to 30 mm adequately lubricated.
- Function of all **lights & horn**
- **Clutch lever** free play - 2 to 3 mm
- Smooth **steering movement** without restriction.
- Both **stands** return to their fully retracted position.
- Correct **inflation pressure** in both tyres Adequate tyre tread depth - no cracks / cuts.
- Correct **rear viewing** span adjustment of mirror.

## Starting The Engine :

- Turn the fuel tap knob to 'U' or 'V' position.
- Turn ignition switch key to 'Q' position.
- Confirm that transmission is in neutral (must for Kick start)/press the clutch lever if transmission is in gear.
- If the engine is cold or when starting for first time use choke (I) for quick starting.



- Keep throttle completely closed, press starter button "Q" / apply kick to start engine.
- Release starter button / kick lever as soon as engine starts.

**Note :** Do not let the engine idle longer than 3 minutes otherwise it will overheat.



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

### Note :

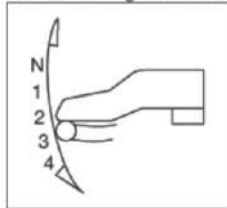
1. The motorcycle is equipped with a clutch switch. This switch ensures that engine doesn't start if the transmission is in gear. However the engine can be started in any gear if the clutch lever is pressed.
2. Before starting the engine, with ignition key in off condition, press the clutch lever & operate kick starter lever all the way down for 5-6 times. Then release the clutch lever. This practice ensures lubrication of clutch components for their longer life and prevents jerky gear shifting.
3. Do not start vehicle without battery (battery disconnected.)



## 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.

Gear Shifting Pattern



Gear Shifting Lever



## Recommended Speed for Shifting Down

Gear Shifting	CT 100	CT 100 ES
From 4 <sup>th</sup> to 3 <sup>rd</sup> Gear	31~34 km/h	24~30 km/h
From 3 <sup>rd</sup> to 2 <sup>nd</sup> Gear	22~25 km/h	18~23 km/h
From 2 <sup>nd</sup> to 1 <sup>st</sup> Gear	14~17 km/h	13~16 km/h

**Warning :** When shifting down to lower gear, do not shift at such high speed that engine rpm jumps excessively. This may cause engine damage, and 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 keep engine from 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 the 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 :

- Shift the transmission into neutral and turn the ignition switch OFF.
- Support the motorcycle on a firm level surface with the center or side stand.



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

## Good Riding Habits :

- Drive smoothly & steadily at speed between 40 and 50 km/h.
- Drive at constant speed. Avoid sudden accelerations & harsh braking as far as possible. Plan your trips properly with minimum start-stops.
- Change the gear judiciously according to the speed requirements. Drive in highest gear, as far as possible.

- Travel as light as possible. Do not overload the vehicle above the specified payload.
- Stop the engine quickly at the end of the journey. Avoid excessive idling. For intermediate stoppages, cut-off the engine if you want to stop for more than two minutes.

## Fuel Saving Tips :

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

## How to check mileage (Fuel efficiency)

Best way to calculate mileage is by following the full tank to full tank method.

- Fill fuel in the tank till the bottom of the filling spout.
- Run the vehicle for 100 kms.
- Fill the fuel in tank, again till the bottom of filling spout at the same fuel station and fuel dispenser.
- Divide kilometer run / fuel quantity filled.

## Optimum shifting speeds for best mileage

1st gear	: 0 Km/hr
2nd gear	: 14 ~ 17 Km/hr
3rd gear	: 22 ~ 25 Km/hr
4th gear	: 31 ~ 34 Km/hr

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

Fuel	Check fuel lines and connections for leakage.
Spark plug	Inspect and clean spark plug. Adjust electrode gap.
Air filter	Clean air filter element periodically.
Engine oil	Check level. Use recommended oil for top up or refill.
Brakes	Ensure that the brakes are not dragging / binding.
Clutch	Ensure correct clutch lever play.
Tyre pressure	Always maintain the recommended tyre pressure.
Carburettor	Adjust idling speed.

## Running IN

Proper running-in is important for 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
0 - 1000	15	25	30	40
1000 - 2000	20	30	40	45

- 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.

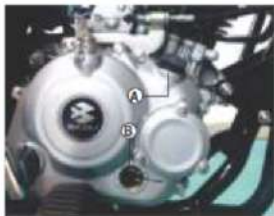
- Always wear helmet while riding. Your helmets should conform to appropriate local safety standards.
- Read thoroughly the instructions in this manual and follow them carefully.
- Avoid unnecessary accessories for the safety of both rider and other motorists.
- Get familiar with and follow traffic rules & regulations, as well as general traffic signs.
- Familiarise yourself well with starting, acceleration and braking of the vehicle.
- When applying the brakes, use both front and rear brakes simultaneously. Applying only one brake may cause loss of 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, ride the vehicle more cautiously. Remember vehicle skids more easily during light showers..
- Drive cautiously. Start early & reach your destination safely.



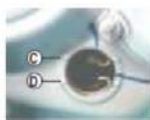
- Always carry vehicle registration & insurance papers, and a valid driving licence with you.
- Avoid driving on loose sand or gravel where vehicle is likely to skid.
- Properly wrap-up/tie-up loose clothes while riding to avoid entangling in wheel or other objects on road.
- Always concentrate on riding for safety.

### **Monsoon Care :**

- Take appropriate care in areas of heavy rainfall or high humidity. An appropriate surface protection of external part is recommended.
- Vehicle cleaning to be done with soft & clean wet cloth to avoid scratches on painted parts.
- Clean & lubricate all important parts as detailed in the periodic maintenance chart.
- Do not apply direct water jet on painted, electrical / electronic parts.
- Do not obstruct engine cooling by adding mud protection sheet at the front.



A : Oil Filler Cap  
 B : Oil Level Gauge  
 C : Upper Level  
 D : Lower Level



## Engine Oil

- Check engine oil level every day before starting the vehicle.
- Always maintain engine oil level between upper & lower mark provided on cover RH.

## Engine Oil Level Checking :

- Park the vehicle on level surface on center stand.
- Check oil level through oil inspection gauge as shown in photograph. Always maintain engine oil level between the upper (C) and lower (D) mark provided on Cover RH.

## Engine Oil Capacity

Model	CT 100	CT100ES
Refill	900 ml	1000 ml
During Overhaul	1000 ml	1100 ml

## Recommended Engine Oil:

Model	Recommended Engine oil Grade
CT100 / CT100ES	SAE 10W30 API 'SL' / JASO 'MA'

- **Engine oil replacement frequency :** 1<sup>st</sup> 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.
- Dispose drained oil responsibly. Please contact your servicing Dealer for proper disposal procedures.



**Wheel Puncture :** Use recommended levers while removing the Tyre / Tube for puncture work. This will avoid any damages to the edges / scratches on paint of the wheel.

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

Front	1.75 Kg/Cm <sup>2</sup> (25.0 psi)
Rear (Solo)	2.00 Kg/Cm <sup>2</sup> (28.5 psi)
Rear (with Pillion)	2.25 Kg/Cm <sup>2</sup> (32.0 psi)



CT 100 - 2.5 Ah Battery    CT 100 ES - 3 Ah Battery

### Battery Details

- Battery is located inside Side Cover LH.
- Make of battery may differ from vehicle to vehicle.

### 3Ah VRLA Battery :

- No topping-up is required
- Reduced self discharge, Enhanced safety.

### 2.5 Ah Battery :

- Add only distilled water to the battery if battery electrolyte level is below min. level mark.



**CAUTION :** Tap water is not a substitute for distilled water and will shorten the life of the battery.

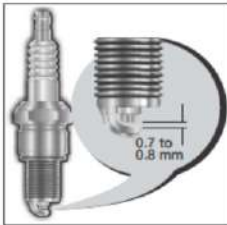
- When battery is found discharged, it is advised to get it charged immediately.
- Environment care must be taken to dispose off used battery. It is always recommended to hand over the same to Authorised battery/Bajaj dealer for proper disposal.

### How to keep battery healthy ?

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



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

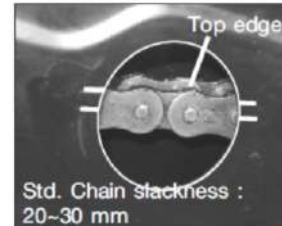


## Spark Plug

- 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.

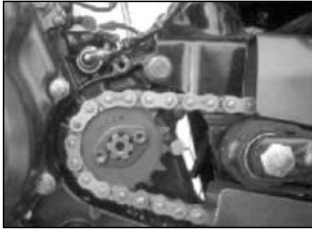
**Spark Plug (2 Nos)** : Bosch UR3AC (CT100),  
Bosch UR4AC (CT100ES)  
Champion PRZ9HC



## Drive Chain Slackness

- Chain top edge to be kept between the two marks during chain slackness adjustment.
- Chain slackness will have to be adjusted whenever required.
- Adjust slackness at the tightest portion of the chain.
- Std. Chain slackness 20 ~ 30 mm.
- Marking on chain adjusters should be identically positioned on both sides.





**Drive Chain Cleaning**

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



**Drive Chain Lubrication**

### **Drive Chain (Non sealed type)**

- Non sealed type chain should be removed & cleaned by Nylon brush & Kerosene / diesel in chain cleaning stand.
- It should be lubricated by SAE 90 grade oil or equivalent.

# Periodic Maintenance & Lubrication Chart



Sr. No.	Operation	RECOMMENDED FREQUENCY								Subsequent
		Servicing Kms	1 <sup>st</sup> Free	2 <sup>nd</sup> Free	3 <sup>rd</sup> Free	Every 5000 Km after Previous Service				
			500 ~ 750	4500 ~ 5000	9500 ~ 10000					
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	Top Up	R	Top Up	R	Top Up	R	SAE 10W30 SL / JASO'MA'
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.	Spark plug	CL,A,R			CL,A		CL,A		R	
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	CL	CL	R	
9.	In line paper filter	R				R			R	
10.	Fuel cock paper filter.	R				R			R	

# Periodic Maintenance & Lubrication Chart

Sr. No.	Operation	RECOMMENDED FREQUENCY								Subsequent
		Servicing	1 <sup>st</sup> Free	2 <sup>nd</sup> Free	3 <sup>rd</sup> Free	Every 5000 Km after Previous Service				
			Kms	500 ~ 750	4500 ~ 5000					
11.	Fuel cock sediment bowl cleaning	CL				CL			CL	
12.	Carburettor rubber duct	C,R					C,R			
13.	Fuel pipe	C,R	C	C	C	R	C	C	R	
14.	Valve tappet clearance	C,A	C,A	C,A	C,A	C,A	C,A	C,A	C,A	
15.	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	
16.	Engine air breather tube	C	C	C	C	C	C	C	C	
17.	Silencer drain hole cleaning	CL		CL	CL	CL	CL	CL	CL	
18.	Silencer tail pipe cleaning**	CL		CL	CL	CL	CL	CL	CL	
19.	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.
20.	Brake lining – Check wear indicator		C,R	C,R	C,R	R	C,R	C,R	R	
21.	All cables & rear brake pedal-free play	C,A	C,A	C,A	C,A	C,A	C,A	C,A	C,A	

# Periodic Maintenance & Lubrication Chart

Sr. No.	Operation	Servicing	RECOMMENDED FREQUENCY							Subsequent	
			Kms	1 <sup>st</sup> Free	2 <sup>nd</sup> Free	3 <sup>rd</sup> Free	Every 5000 Km after Previous Service				
				500 ~ 750	4500 ~ 5000	9500 ~ 10000					
22.	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	
23.	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		
24.	Ignition switch barrel cleaning	C,CL	C,CL	C,CL	C,CL	C,CL	C,CL	C,CL	C,CL	Use WD40 spray or equivalent	
25.	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 or equivalent	
26.	Steering play	C,A	C,A	C,A	C,A	C,A	C,A	C,A	C,A		
27.	Steering stem bearing*** & Cap steering bearing (Plastic)**	C,CLL ,R			C,CL ,L,R		C,CL ,L,R		C,CL ,L,R	Check & replace if Damaged. Use HP Lithon RR3 grease or equivalent for lubrication.	
28.	Main stand & side stand pin**	CL,L			CL,L		CL,L		CL,L	Use AP grease.	
29.	Swing arm pivot pin (for non silent bush)**	L		L	L	L	L	L	L		

Sr. No.	Operation	RECOMMENDED FREQUENCY								Subsequent
		Servicing Kms	1 <sup>st</sup> Free	2 <sup>nd</sup> Free	3 <sup>rd</sup> Free	Every 5000 Km after Previous Service				
			500 ~ 750	4500 ~ 5000	9500 ~ 10000					
30.	All fasteners tightness	C,T	C,T	C,T	C,T	C,T	C,T	C,T	C,T	
31.	Engine foundation silent bushes**	C				C			C	
32.	General lubrication-Clutch lever, front brake lever, kick lever.	L	L	L	L	L	L	L	L	Use AP grease.
33.	Idle speed / CO%	C,A	C,A	C,A	C,A	C,A	C,A	C,A	C,A	
34.	Spoke tightening**-Front & Rear	C,T	C,T	C,T	C,T	C,T	C,T	C,T	C,T	
35.	Front fork dust seal & Rubber bellow	CL		CL	CL	CL	CL	CL	CL	
36.	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
37.	EVAP drain tube cleaning**	CL	CL	CL	CL	CL	CL	CL	CL	

\* It is strongly recommended to use only recommended grade of oil.

\*\* 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 & 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 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 spark plug and put several drops of 2T oil into the cylinder. Kick the engine over slowly a few times to coat the cylinder wall with oil & install back the 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.
- Lubricate the control cables.
- Cover the entire vehicle neatly. Make sure that the storage area is well ventilated and free from any source of flames or spark.
- Fill 10% excess air pressure in both wheels.

### \*\* 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 Authorised Service Center / Battery Dealer.
  - Check & correct electrolyte level and apply petroleum jelly on terminals (applicable to certain models).

### Preparation for regular use after storage :

- Clean the vehicle
- Make sure the spark plug is tight.
- 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.





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