

# ***RE 4-STROKE***

*Petrol, CNG, LPG*

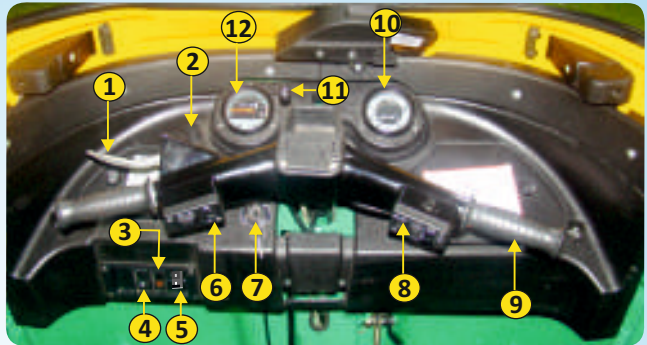
**User's Guide**



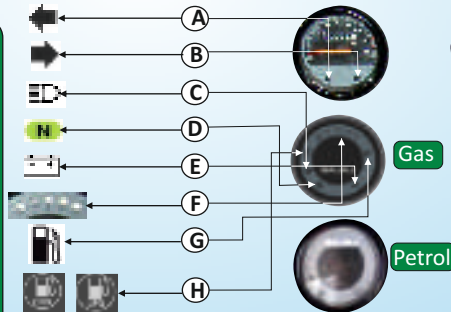
## Identification

# RE *4-STROKE*

- 1 Clutch lever
- 2 Mobile Charger socket
- 3 Hazard switch
- 4 Stereo switch
- 5 Selector Switch
- 6 Switch LH
- 7 On - off parking switch
- 8 Switch RH
- 9 Accelerator Grip
- 10 Tell Tale Indicators
- 11 Choke lever
- 12 Speedometer and odometer



- A LH turn pilot indicator
- B RH turn pilot indicator
- C Hi beam indicator
- D Neutral Indicator
- E Battery charging indicator
- F Gas level indicator
- G Petrol mode indicator
- H Gas mode indicator



Petrol Vehicle



Gas

Gas Vehicle



Petrol



Dear Customer,

We Thank you for choosing the “**RE 4-STROKE**”, which would give you ‘Value for Money, For Years’. We are sure that you will be happy with its performance.

The salient features of this vehicle are DTSI Engine (Twin Spark Plug), bigger oil filter, magnetic strainer, stronger chassis & body.

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

To maintain your autorickshaw in perfect running condition and to deliver consistent performance, we earnestly advise you to avail periodic services, at Bajaj distributor / dealers.

You can entrust Bajaj distributor / dealers, who are well equipped with all necessary facilities, skill sets and trained manpower for servicing and repairs of your “**RE 4-STROKE**”. In the 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 distributor / dealer. If necessary, you may also write to selling distributor / dealer, with relevant details like Registration no. Chassis no., Engine no., Date of purchase, Kms. run, name of selling distributor / dealer and your contact numbers.

Finally, may we request you to give your vehicle 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 happy driving for many years.

International Business  
BAJAJ AUTO LIMITED  
Akurdi Pune - 411 035 India

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**IMPORTANT****WARNING / CAUTION / NOTE**

Please read this manual and follow its instruction carefully. To emphasize special information, the symbol and the words WARNING, CAUTION and NOTE have special meaning. These special meaning apply except when laws or regulations require that the single words be used with a different meaning. Pay special attention to the messages highlighted by these signal words.

 **WARNING**

Indicates a potential hazard that could result in death or injury.

 **CAUTION**

Indicates a potential hazard that could result in vehicle damage.

**NOTE**

Indicates special information to make maintenance easier or instruction clear.

**MODIFICATION WARNING** **WARNING**

Do not modify your vehicle. Modification could adversely affect safety, handling, performance or durability & may violate Governmental regulations. In addition to damage or performance problems resulting from modifications may not be covered under warranty.

 **WARNING**

Severe damage may be caused by the use of either poor quality fuel or lubricants, which are not recommended by BAL.

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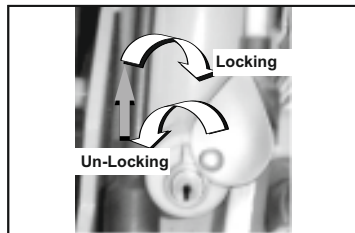
## 1. Before Driving

**RE *4-STROKE***

- 1.1 Locks
- 1.2 Mirrors
- 1.3 Handle bar and Dashboard
- 1.4 Other controls
- 1.5 Other Important parts location
- 1.6 Identification data
- 1.7 Technical Specifications



**Steering Lock**



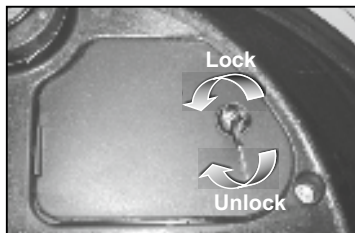
**Steering Lock**

### Steering Lock

- Steering lock is below dashboard.

### Steering lock operation :

- **Locking** : Turn the Handle bar to LH side, rotate the key in anti-clockwise direction to align the lock position, push in and rotate clockwise. After confirming the locking of handle bar, take out the key from barrel.
- **Un-locking** : Turn the key anti-clockwise, move the handle bar a bit, the lock will pop backwards unlocking the steering lock

**Tool Box Lock****Glove Box Lock****Glove box lock:**

- To Unlock or lock glove box lock insert the key and rotate it clockwise or anticlockwise respectively.

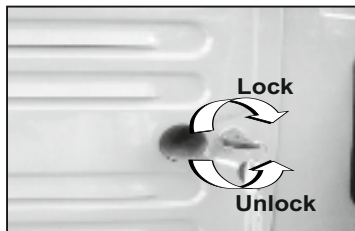
**Tool Box Lock:**

- To Unlock or lock Tool box lock insert the key and rotate it clockwise or anticlockwise respectively.





**Side Filling Door Lock(Petrol veh.)**



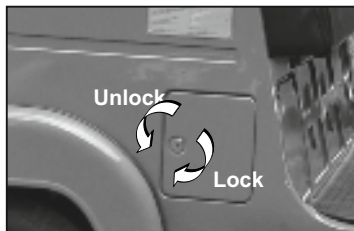
**Rear Door Lock**

#### **Side Filling Door Locks: (Petrol vehicle)**

For filling petrol in tank, open the lockable cover. To open the lock insert the key & rotate it anticlockwise To lock the door insert the key & rotate it clockwise.

#### **Rear door lock:**

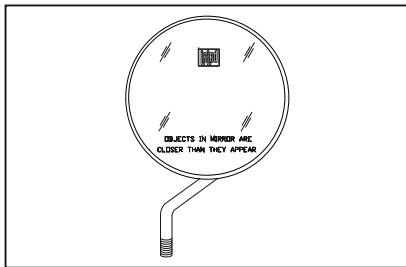
A lock is given for locking rear door. To unlock the lock insert the key and rotate it anticlockwise. To lock the door, first match the door properly with body and rotate key clockwise.



A. Gas Filling Door Lock

**A. Gas filling door lock :**

- For filling gas in tank, open the lockable cover.
- To open the lock insert the key & rotate it Anticlockwise.
- To lock the door insert the key & rotate it clockwise.



Mirrors

**Outside Rear View Mirror:**

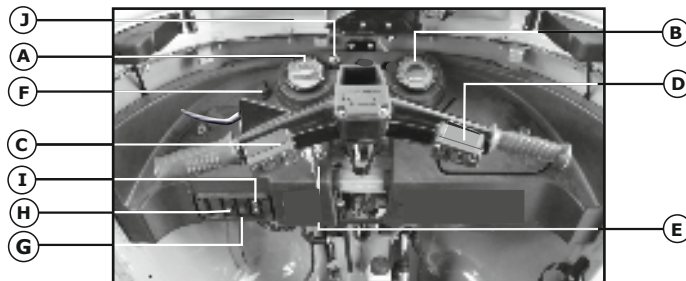
- Adjust the outside rear view mirror so that you can see the rear sides of your vehicle in the mirrors.

 **WARNING**

Be careful when judging the size or distance of a vehicle or other object seen in the side convex mirror. Be aware that object look smaller & appear farther away than when seen in a flat mirror.

## 1.3 Handle Bar and Dashboard

**RE 4-STROKE**



Petrol Vehicle

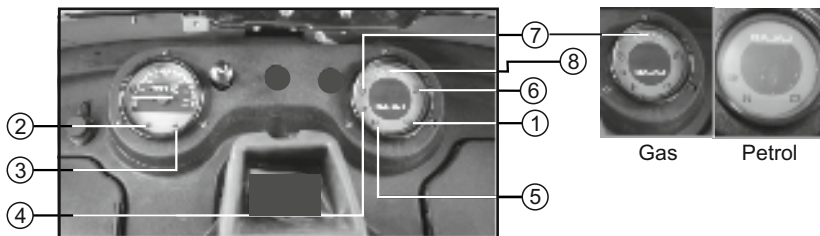


Gas Vehicle

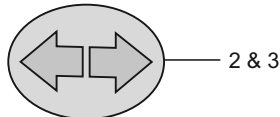
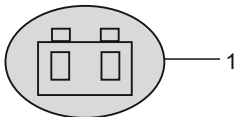
- A. Speedometer and odometer
- B. Tell Tale Indicators
- C. Switch LH
- D. Switch RH
- E. On - off parking switch
- F. Mobile Charger socket
- G. Hazard switch
- H. Stereo switch
- I. Selector Switch
- J. Choke lever

## 1.3 A & B. Speedometer & Indicators

**RE 4-STROKE**



1. Battery charging indicator
2. LH turn pilot indicator
3. RH turn pilot indicator
4. Hi beam indicator
5. Neutral Indicator
6. Petrol mode indicator
7. Gas mode indicator
8. Gas level indicator



### 1. **Battery Charging Indicator :**

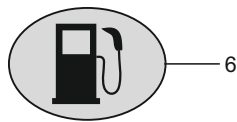
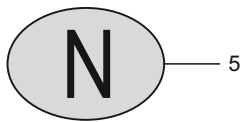
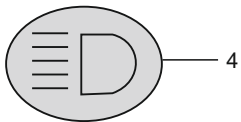
This light will glow when the Ignition switch is switched "ON" and will go off after starting of the vehicle.

If this indicator glows continuously even after starting of vehicle, then battery is not getting charged.

In this case immediately take the vehicle to Distributor / Dealer.

### 2&3. **Turn Pilot indicators (LH & RH) :**

When you turn on the left or right turn signals, the corresponding green arrow in the Tell Tale indicator will flash along with the turn signal lights. When you turn on the hazard warning switch, both arrows will flash along with all the turn signal lights.

**4. Headlamp Hi-beam :**

When the Headlamp Hi-beam is on this indicator will glow and give indication to the driver.

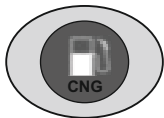
**5. Neutral :**

Indicator light will glow as the Ignition switch is switched “ON”, provided the vehicle is in Neutral gear. The light will go off as soon as the gear is engaged. This helps the driver to confirm Neutral position while starting and stopping the vehicle.

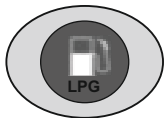
**Note:** Starter motor will not operate unless vehicle is in neutral

**6. Petrol mode indicator:**

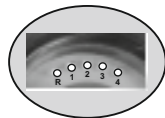
This indicator glows when ignition key is turned “ON” and gas selector switch is in Petrol mode.



7. Gas mode indicator  
(CNG)



7. Gas mode indicator  
(LPG)



8. Gas Level Indicator

**7. Gas mode indicator:**

This indicator glows when ignition key is turned "ON" and gas selector switch is at CNG/LPG mode as applicable.

**8. Gas Level Indicator :**

LED lamps in tell tale indicator shows the gas level in tank. Whenever tank is full all LED lamps will glow. One by one lights will go off as the gas level in tank drops. Whenever only R light will glow, there is a need to fill the gas in tank.



**Switch L.H.**

**A. Side indicator switch** : It has 3 positions.

**Center** : All side indicator lights remain "OFF".

**LH** ⇐ : Front and Rear, LH side indicator lamps and LH turn pilot indicator will flash simultaneously.

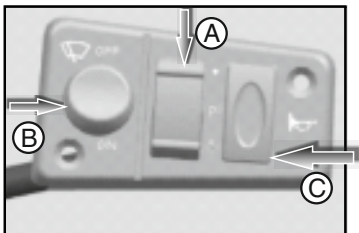
**RH** ⇒ : Front and Rear, RH side indicator lamps and RH turn pilot indicator will flash simultaneously.

**B. Dipper switch** : It has two positions

Hi beam : ☰○    Low beam : ≡○

## 1.3 D. Switch RH

**RE 4-STROKE**



Self Parking  
Position

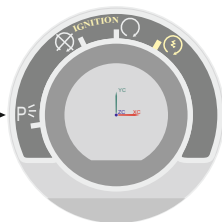
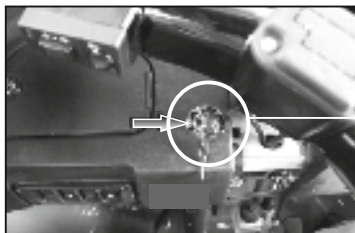
### Switch R.H.

- With ON/OFF switch ON Position
- A. Light switch** : It has following positions
- 0 : Head and Pilot lights "OFF".
  - 1 : Parking, & Tail lamps will be "ON".
  - 2 : Head, Tail, and Parking lamps will be "ON" Hi beam indication will be "ON", if switch is in High Beam position.
- B. Wiper Motor switch** : It has 2 positions.
- ON : Wiper motor "ON".
  - OFF : Wiper motor "OFF".
- (Wiper blade should park in self-parking position. Shown in above picture. )
- C. Horn button** : For sounding horn.

## 1.3 E. Ignition Parking Switch

**RE 4-STROKE**

IGNITION PARKING SWITCH



### Ignition Parking Switch

- It is located on the dash board.
- Insert the key & rotate it clockwise to make it on.
- It has 4 positions :

**OFF** : All electrical circuits “OFF”.

**ON** : All Electrical circuits “ON” except parking & hazard circuit.

**PARKING** : Parking light and hazard operation will come on (when respective switches on switch board are “ON” and key is in parking position.)

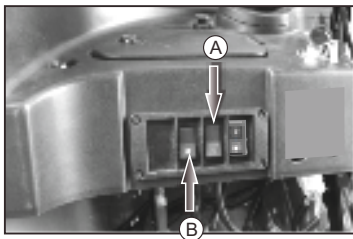
**START** :- starter motor will start, After holding key at this position

### **WARNING**

Always remove the ignition key when leaving the vehicle even if for short time.

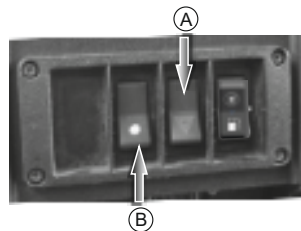
### 1.3 F & G. Hazard & Stereo Switch

**RE 4-STROKE**



A) Hazard Warning switch

B) Stereo Switch



#### **A. Hazard Warning Switch:**

In case of emergency , this switch is to be operated. It will switch on all 4 indicator lights simultaneously and both turn pilot indicators will blink simultaneously. Key switch should be in ON or Parking position to operate hazard switch.

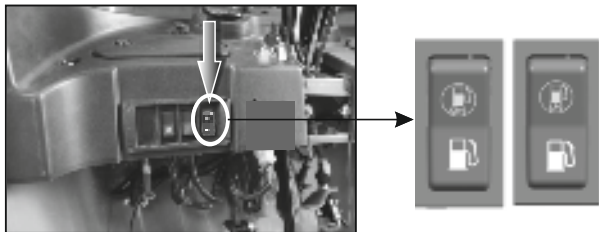
#### **B. Stereo Switch :**

A switch is provided for stereo.



## 1.3 H. Selector Switch

For Gas Vehicle

Selector Switch



**Selector Switch** : It is mounted on Dashboard. Selector switch has been provided on the front face which controls gas and petrol supply. It has 3 positions.

1. **Gas**  : The vehicle will run on gas i.e. LPG/CNG
2. **Off** ( ) : Both gas and petrol solenoids will be off.
3. **Petrol**  : The vehicle will run on petrol.

## 1.4 Other Controls

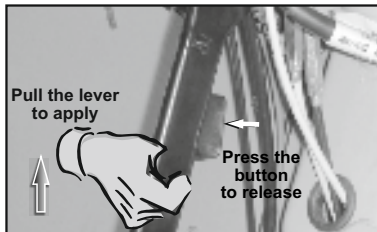
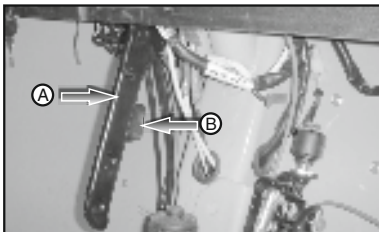
**RE *4-STROKE***

### Other Controls

- 1.4 A. Parking Brake
- 1.4 B. Brake Pedal
- 1.4 C. Clutch Lever
- 1.4 D. Reverse Lever

## 1.4 A. Parking Brake

**RE 4-STROKE**

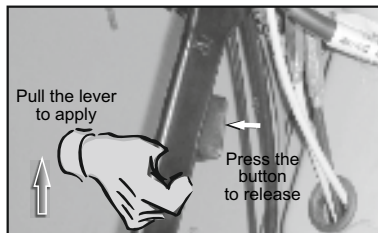
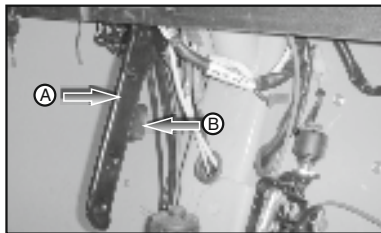


### A. Parking Brake

- It is located below dashboard. To apply the parking brake, pull the parking brake lever all the way up. To release the parking brake push the button "B" in middle of the Lever and lower to its original position.

### **▲ CAUTION**

Never drive your vehicle with the parking brake on, rear brake effectiveness can be reduced. Due to overheating, brake life may be shortened or permanent brake damage may result. If the parking brake does not hold the vehicle securely or does not fully release, have your vehicle inspected immediately by an authorized distributor / dealer.

**▲ CAUTION**

Always apply parking brakes fully before leaving your vehicle or it may move causing injury or damage , especially on gradients.

When parking, shift the vehicle into first gear (when vehicle is parked on uphill) & Shift the vehicle into Reverse Gear (When Vehicle is parked on Downhill). Remember that even if transmission is in gear, you must apply the parking brake fully.

**▲ CAUTION**

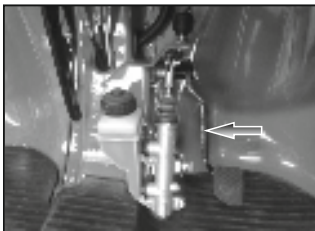
When parking the vehicle on a slope, the following procedure should be used :

1. Apply parking brake.
2. Shift transmission into first gear.
3. With the engine off, get out of the vehicle and put chocks under the wheels.



## 1.4 B. Brake Pedal

**RE 4-STROKE**



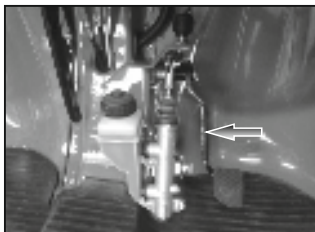
**Brake Pedal** : Vehicle is provided with hydraulic brake system. Brake is operated by pedal mounted on RH side of scudo.

### ▲ CAUTION

If brake squeal is excessive and occurs each time the brakes are applied, you should have the brakes checked by an authorized distributor / dealer.

### ▲ CAUTION

Do not “ride” the brakes by applying them continuously or resting your foot on the pedal. This will result in overheating of the brakes which could cause unpredictable braking action, longer stopping distances, or permanent brake damage .

**▲ CAUTION**

If water gets into the brake drums, brake performance may become poor and unpredictable. After driving through water or washing the underside of the vehicle, test the brakes while driving at a slow speed to see if they have maintained their normal effectiveness. If the brakes are less effective than normal, dry them by repeatedly applying the brakes while driving slowly until the brakes have regained their normal effectiveness.



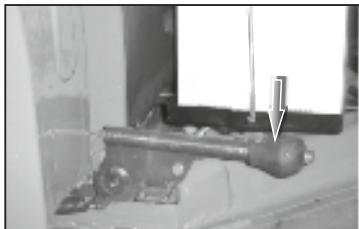
**Clutch Lever:**

Clutch is operated by hand lever located on LH side of handle bar.

**⚠ CAUTION**

Do not drive with clutch lever in pressed condition. It could result in excessive clutch wear, clutch damage, or loss of engine braking and drop in fuel efficiency.

## 1.4D- Reverse Lever



**Reverse Gear disengaged**

Reverse  
Gear Lever



**Reverse Gear Engaged**

### **Reverse Gear :**

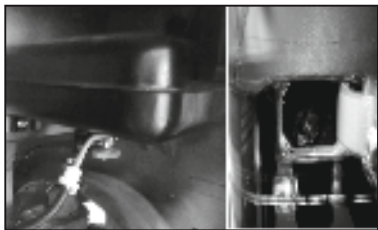
For engaging reverse gear -

- Change to neutral, stop the vehicle with engine idling.
- Pull the reverse gear lever.
- Press clutch lever.
- Engage transmission into first gear.
- Release the clutch lever slowly and open throttle to set the vehicle in motion.

- 1.5 A. Petrol Tank
- 1.5 A1. Fuel Cock
- 1.5 B. Battery0.
- 1.5 C. Spare Wheel
- 1.5 D. Mobile Charger Socket & water bottle holder
- 1.5 E. Air Filter
- 1.5 F. Fuel Filter
- 1.5 G. Fuse Box
- 1.5 H. Oil Cooler
- 1.5 I. Cylinder & Refueling LPG
- 1.5 J. Cylinder & Refueling CNG

## 1.5 A. Fuel Tank

**RE 4-STROKE**



**A. Fuel Tank**  
For petrol Vehicle



**B. Fuel Tank**  
For Gas Vehicle

### **A. Fuel Tank (Petrol Vehicle)**

- Fuel tank is mounted on rear RH side.
- Fuel tank capacity is 8 litres including Reserve of 1.5 litres.

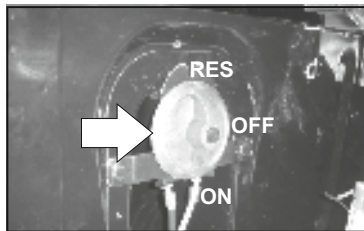
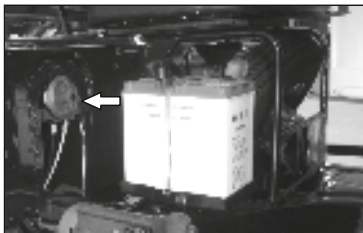
### **B. Petrol Tank (limphome facility) for Gaseous vehicles**

- Petrol tank is mounted on rear RH side.
- Petrol tank capacity is 3.0 litres.

## 1.5 A1. Fuel Cock

**RE 4-STROKE**

PETROL VEHICLE



**Fuel Cock:** Fuel cock knob is located near driver seat. Fuel cock is operated by this knob. It has 3 position.

**ON** : fuel level is above 1.5 litre

**RES** : fuel level drops below 1.5 litre

**OFF** : fuel supply cut off.



**Battery (12V ,32Ah)**

**Battery (12V ,32Ah)**

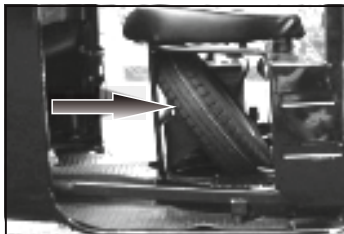
- It is located on RH side of driver seat.

 **WARNING**

Batteries produce flammable hydrogen gas. Keep flames and sparks away from the battery or an explosion may occur. Never smoke when working in the vicinity of the battery.

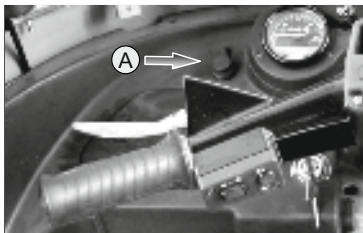
When checking or servicing the battery, disconnect the negative cable. Be careful not to cause a short circuit by allowing metal objects to contact the battery posts and the vehicle at the same time.



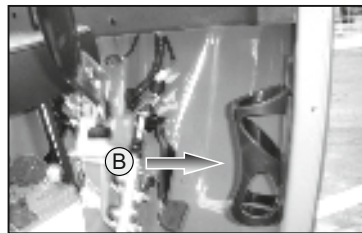


### Spare Wheel

- Location of spare wheel is under driver seat.
- Remove 2 bolts of driver seat frame
- Tilt the driver seat frame to handle bar side
- To remove spare wheel, remove the 2 nuts securing the spare wheel



Mobile Charger Socket



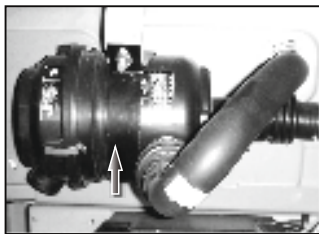
Water Bottle Holder

**A. Mobile Charger Socket :**

- Mobile charger socket is on dashboard .  
Mobile can be charged in Key OFF condition, key ON position and Parking position.

**B. Water Bottle Holder :**

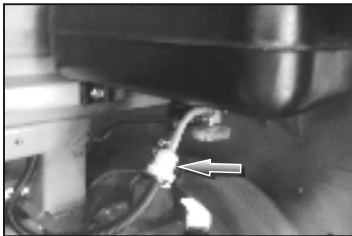
- Water bottle holder is provided for keeping water bottle. It is mounted on RH side of scudo.



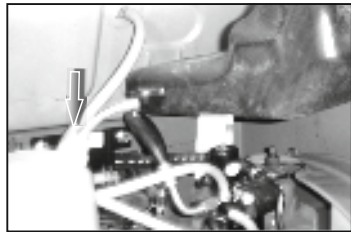
Air Filter

**Air Filter:**

Air filter is used to provide clean air to engine. It is located on body near engine.



**Fuel Filter (Petrol Vehicle)**



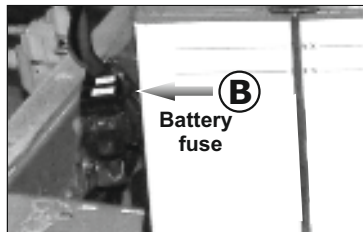
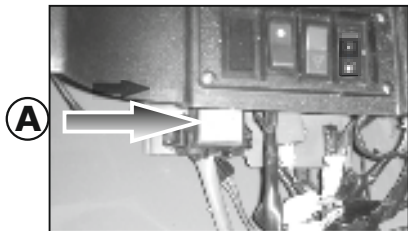
**Fuel Filter (Gas Vehicle)**

**Fuel Filter :**

Fuel filter is given to provide clean fuel to the engine.

It is in between fuel pipes from fuel tank

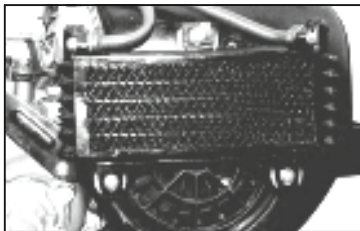
- i) to Carburetor in Petrol vehicles.
- ii) to solenoid in Gas vehicles.

**Fuse Box :**

- A) **Main fuse box** : Fuse box is mounted on electrical unit plate below dashboard at LH side 2  
Spare fuses (one of 10A & another of 30 A) is provided in a fuse box cover.
- B) **Battery fuse box** : Mounted on battery mounting bracket.

 **WARNING**

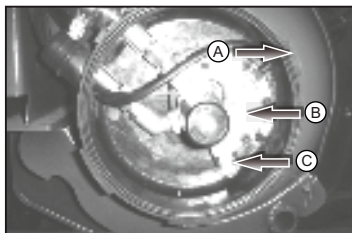
Always be sure to replace a blown fuse with a fuse of the correct ampere. Never use a substitute such as aluminum foil or wire to replace a blown fuse. If you replace a fuse & new one blows in a short period of time, you may have major electrical problem. Have your vehicle inspected at authorised BAL service centre.



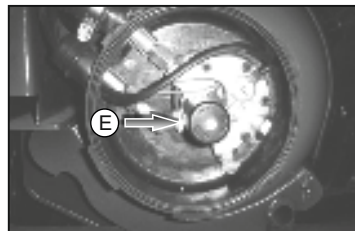
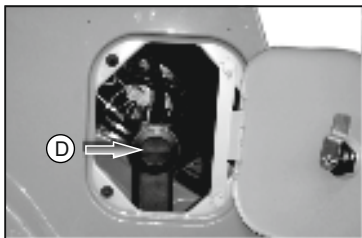
#### Oil Cooler

- Engine is fitted with oil cooler which helps to control the engine temperature and subsequently enhance the life of engine parts.

### LPG



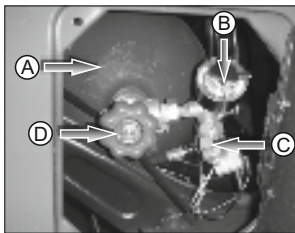
- A. LPG Cylinder** : It is mounted below passenger seat.
- B. Multifunction Valve** : It is mounted on LPG cylinder. It is an assembly, mounted on LPG tank for filling tank and withdrawal of LPG along with safety devices.
- C. Shut Off Valve** : This shut off valve is to be closed when vehicle is parked for longtime or overnight. Also in case of any leakage observed this valve is to be closed immediately. To close shut off valve, rotate the nut clockwise.



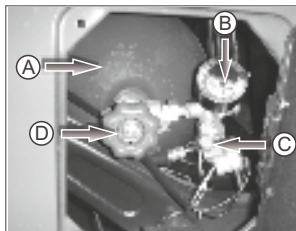
- D. Refilling Valve :** To refill the cylinder with LPG, open the valve (D) and insert the LPG filling gun inside refilling unit. Fill the LPG into cylinder.
- E. LPG Solenoid Valve :** This valve gets operated when ignition switch is in 'ON' position and selector switch is in Gas mode.



### CNG



- A. CNG Cylinder :** It is mounted below passenger seat.
- B. Pressure Gauge :** It is mounted on remote filling valve which indicates pressure inside the cylinder .
- C. Dust Plug :** It is mounted on remote filling valve and is used for refilling the gas. Please ensure that dust plug is properly fitted. Ensure that after removing dust plug all electrical supply is in “OFF” condition.
- D. Shut Off Valve :** It controls (ON-OFF) supply of CNG gas as indicated. It should be closed, while carrying out servicing, maintenance and when vehicle is parked overnight. Also in case of any leakage, Shut off valve should be closed immediately.



**Refueling :** Refueling is done via remote filler valve A Dust plug is provided in this unit. When only 'R' lamp glow on gas level indicator refueling should be done. To refill the cylinder with CNG gas, open the lockable door provided at RH side of body as shown in fig. Remove Dust plug and fill the gas into cylinder till the pressure in cylinder reaches 200 bar. Close the refueling unit by inserting Dust plug.

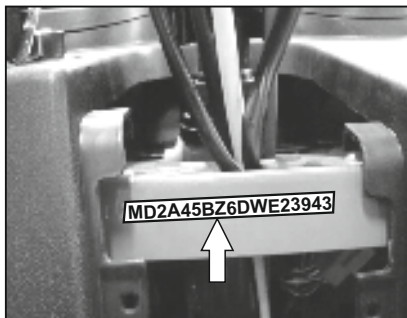
**⚠ CAUTION**

Ensure that Dust plug is fitted properly in refueling unit. The vehicle will not start if Dust plug is loosely fitted.

## 1.6 Identification Data

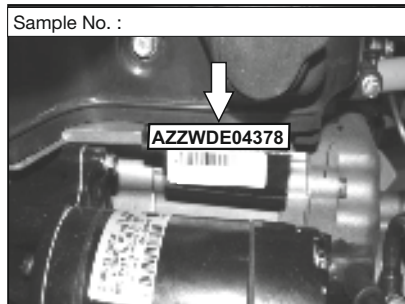
**RE 4-STROKE**

The Chassis and Engine serial numbers are used to register the vehicle. They are the only means of identifying your particular vehicle from others of the same model and type.



Sample No. :

Chassis Number Location -  
At Front on Dashboard .



Engine Number Location -  
On RH side crank case.

## 1.7 Technical Specification

# RE 4-STROKE

- Engine** : 4Stroke, Spark Ignition, Forced air cooled.
- Bore X Stroke** : 63.5 mm x 62.8 mm
- Engine Displacement** : 198.88 cm<sup>3</sup>
- Max. Net Power** as per IS:14599

Petrol	LPG	CNG
8.10 kW at 5000 $\pm$ 250 rpm	7.60 kW at 5500 $\pm$ 250 rpm	7.25 kW at 5500 $\pm$ 250 rpm

**Max. Net Torque** as per IS:14599

Petrol	LPG	CNG
18.00 Nm at 3500 $\pm$ 250 rpm	16.30 Nm at 3500 $\pm$ 250 rpm	14.90 Nm at 3500 $\pm$ 250 rpm

- Starting** : Electric Start
- Spark Plug : 2 nos.
- Champion : RG6HCC
- BOSCH : UR6CC
- Lubrication** : Pressurized lubrication by separate oil pump
- Transmission(gears)**: 4 Forward + 1 Reverse

- Petrol Tank Capacity**
- Petrol Vehicle** : Full: 8 Litres,  
Reserve : 1.5 Litres
- Gas Vehicle** : 3.0 Litres (Limphome)
- L.P.G. Tank Capacity** : 20.6 Litres of water 16.5 Litres of LPG
- CNG Tank Capacity** : 4kg (29 or 30 Litres cylinder) at 200 Bar & 15<sup>o</sup>c
- Petrol Tank (Limphome)** : 3 Litres
- Tyre Size** : 4.00-8, 4/6 PR,  
(For all four Tyres)
- Tyre Pressure (Unladen)**
- Front** : 2.1 kg/cm<sup>2</sup> (30 psi)
- Rear** : 2.4 kg/cm<sup>2</sup> (34 psi)
- Brakes**
- Front** : Hydraulic expanding shoe type.
- Rear** : Hydraulic expanding shoe type.
- Hand** : Mech. expanding shoe type on rear wheels.

## 1.7 Technical Specification

**RE 4-STROKE**

Electrical System	:	12 V DC
Battery	:	12V 32 Ah
Head Lamp	:	35/35 W
Pilot Lamp	:	5 W
Tail / Stop Lamp	:	5/21 W or 5/18 W
Side Indicator Lamp	:	10 W
Horn	:	12V DC
Reverse Lamp	:	10 W
Pilot Lamp	:	5 W
Vehicle Weight	:	

	Petrol	LPG	CNG
Kerb Wt	348 kg.	368 kg.	389 kg.
Max.Wt	678 kg.	698 kg.	719 kg.

### Max. Speed

Petrol	:	65 km/h
LPG	:	65 km/h
CNG	:	63 km/h

### Note :

- All dimensions are in UNLADEN condition.
- Above information is subject to change.
- Please contact International Business for latest information.

## 2. Operating Your Vehicle

**RE *4-STROKE***

- 2.1 Daily Safety Checks
- 2.2 Safe Driving Tips
- 2.3 Fuel Saving Tips
- 2.4 Running In
- 2.5 Starting and Driving

Before starting the vehicle, it is recommended to do following checks.:

Make sure that mirrors, lights and reflectors are clean and unobstructed

**Fuel :**

Enough fuel in tank. Check fuel pipes for cracks/leakage. Replace if found defective.

**Electrical :**

Operating of all tell tale lights, switches, horn etc.

**Brakes:**

Effectiveness, lever play, dragging of the brakes.

**Steering / Suspension :**

Smoothness, any play or looseness.

**Controls :**

Free play, smooth operation, positive return to the close position.

### WARNING

Never drive while under the influence of alcohol or other drugs. Alcohol and drugs can seriously impair your ability to drive safely. You should also avoid driving when you are tired, sick, irritated, or under stress.

**Driving down a Hill:** When driving down a hill, the engine should be used for braking by shifting to next Lower gear.

### WARNING

Try not to hold the brake pedal down too long or too often while going down a Steep or long hill. This could cause the brakes to overheat, resulting in reduced Braking efficiency. Failure to take this precaution could result in loss of vehicle control.

**Driving on slippery roads :** On rainy days, "Aquaplaning" can occur. It is loss of direct contact between road surface & vehicle tyres due to water film forming between them. Steering or braking during aquaplaning can be very difficult, & loss of control may occur. Maintain low speed when road surface is wet. Don't jam the brakes on wet surfaces, on unmetalled roads or on slippery roads.



## 2.3 Fuel Saving Tips

- 1 Ride smoothly and steadily at an optimum speed of 30 40 kmph
- 2 Change the gear judiciously according to the speed requirement.
- 3 Avoid following
  - Sudden acceleration and frequent / sudden braking.
  - Driving with foot on brake pedal.
  - Driving with partial disengaging of clutch (half clutch).
  - Overloading & Driving at high speeds.
  - Over / under inflated tyres.
  - Keeping the engine running at traffic signals if the idling time is more.

## 2.4 Running - In

**RE 4-STROKE**

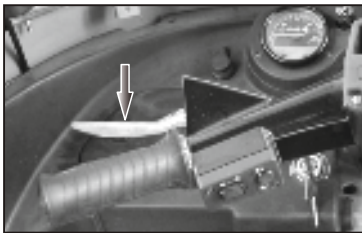
- During first 2000 km running-in period do not exceed following speed limits.

Gear	1st	2nd	3rd	4th
Speed km/hr	10	15	25	35

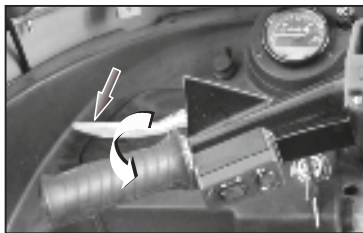
- Always keep within the specified running in speeds.
- Do not race the engine excessively.
- Do not start moving or race the engine immediately after starting. Run the engine for a minute at idle speed to give the oil a chance to work up into the engine.

### **Starting the Engine**

- Turn ignition switch key ON
- Ensure that vehicle is in Neutral gear, by confirming the neutral lamp in tell tale indicator is lit.
- Check Tell tale lights for Battery charging indicator in tell tale indicator is lit.
- Use ignition switch key to start the vehicle.
- Wait for about a minute for engine to warm up before engaging gears and moving on.

**Moving On :**

- When the engine has started battery charging, indicator should go off.
- Release parking brake. Press the clutch.
- Shift into first gear.
- Open the throttle a little, and start to release the clutch very slowly.
- As clutch starts to engage, open the throttle a little more, giving the engine just enough power to keep it from stalling.

**Shifting Gears :**

- Close the throttle while pressing the clutch.
- Shift into the next higher or lower gear.
- Open the throttle partially, while releasing the clutch.



Normal position

Reverse  
Gear Lever



Engaged position

### Reverse Gear :

For engaging reverse gear -

- Change to neutral, stop the vehicle with engine in idling condition.
- Pull the reverse gear lever.
- Press clutch .
- Engage transmission into first gear.
- Release the clutch pedal lever and open throttle to set the vehicle in motion.



To run vehicle on Gas mode :

- Put Ignition switch to “ON”.
- Put selector switch on Gas mode.
- Crank the engine.
- Sometime it is required to open the throttle slightly.

Still vehicle if does not start, it is likely that vehicle is flooded with Gas. Put the switch in ‘OFF’ position. Crank the engine, as soon as the vehicle starts, put switch on ‘Gas’ mode.

Bajaj Auto has provided a limphome facility to run the vehicle on petrol in case the ‘Gas’ is exhausted.

To run vehicle on Petrol mode :

- Put Selector switch in Petrol mode.
- Wait for some time for filling of the Carburettor bowl.
- Crank the engine.

**▲ CAUTION**

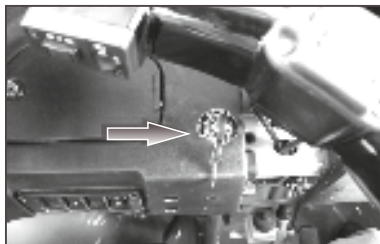
While switching from petrol to gas mode, put the Selector switch in OFF position. Run the vehicle till the petrol in Carburettor is consumed. Then switch over to gas position. Also adjust the idling speed if required.

**Important Tips for 'Cold Starting'**

For easy 'Cold Starting' i.e first time in the morning or after 3 or 4 hours of parking when the engine becomes cold, it is recommended to start the engine only on 'PETROL' and then switch over to GAS as follows :

1. With On / Off switch on 'ON' put the switch on (Petrol) mode position selector
2. Use choke and start engine. On starting the engine, release the choke immediately.
3. Warm-up the engine and run the vehicle on petrol for 2 to 4 minutes i.e. For 3 to 5 kms.
4. To switch over engine to GAS put the selector switch on OFF mode position while engine is running. On feeling slight jerk at engine put selector switch to GAS mode position.
5. Ensure engine gives proper response to throttle. If engine fails to respond, repeat the procedure as mentioned at point no. 4





**Ignition / Parking  
Switch**

**Stopping the engine :**

- Close the throttle completely.
- Shift the gear to neutral.
- Turn the ignition switch to "OFF" position.

### **Index**

- 3.1 Periodic Maintenance Chart
- 3.2 Periodic Lubrication Chart
- 3.3 Engine Box Oil - Checking / Replacement
- 3.4 Differential Oil - Checking / Replacement
- 3.5 Recommended Oil Grade and Quantity
- 3.6 Air Filter Cleaning Procedure
- 3.7 Battery
- 3.8 Wiper Motor
- 3.9 Drive Shaft Slider Block
- 3.10 Brake Oil
- 3.11 Free Play
- 3.12 Tyre Rotation

### 3.1 Periodic Maintenance Chart

# RE 4-STROKE

Sr. No.	Operation	RECOMMENDED ODOMETER READING km								
		1K	5K	10K	15K	20K	25K	30K	35K	
1.	Vehicle washing & Cleaning	CL	CL	CL	CL	CL	CL	CL	CL	
2.	Clean/replace Air filter element	CL	CL	CL	CL	CL	CL	CL	CL	Replace after every 40,000 km
3.	Clean/Replace breather tube filter	CL	CL	R	CL	R	CL	R	CL	Replace After every 10,000 km
4.	Check all lights for working	C,A	C,A	C,A	C,A	C,A	C,A	C,A	C,A	Switches, indicators etc
5.	Replace oil strainer	R		R		R		R		Replace after every 10,000 km
6.	Check/adjust steering column tight race & lock nut	C,A		C,A		C,A		C,A		Tight lock nut to recommended torque
7.	Clean/Adjust/ Replace Spark plug gap	C,A		C,A		R		C,A		Replace after every 20,000 km
8.	Adjust Idling speed & CO %	C,A		C,A		C,A		C,A		
9.	Check & adjust valve clearance	C,A		C,A		C,A		C,A		Adjust if required
10.	Check /Replace fuel pipes	C,R		C,R		C,R		C,R		
11.	Check Battery electrolyte level & top up	C,T		C,T		C,T		C,T		
12.	Do Tyre rotation (seq.1 & seq.2)		A	A	A	A	A	A	A	Seq 1 at 5k,15k,25k....km Seq 2 at 10k,20k,30k....km
13.	Replace prop. shaft rubber buffer		R	R	R	R	R	R	R	with RR3 grease
14.	Replace Oil Filter			R		R		R		Replace after every 10,000 km
15.	Replace Fuel filter			R		R		R		Replace after every 10,000 km
16.	Check and adjust control cables			C,A		C,A		C,A		
17.	Check front/rear shock absorbers for any defect			C,R		C,R		C,R		
18.	Check carb./manifold sleeve & replace if reqd.(engine)			C,R		C,R		C,R		
19.	Check & top up brake fluid			C,T		C,T		C,T		Replace after every 40,000 km
20.	De-carbonising engine							CL		After every 30,000 km
21.	Check brake liner wear, replace if required				C			R		Replace after every 30,000 km

## 3.1 Periodic Maintenance Chart

**RE 4-STROKE**

### GAS Kit Related

Sr. No.	Operation	RECOMMENDED ODOMETER READING km								
		1K	5K	10K	15K	20K	25K	30K		35K
1.	Check gas leakages	C,A,R		C,A,R		C,A,R		C,A,R		
2.	Replace gas filter element solenoid CNG			R		R		R		Replace after every 10,000 km
3.	Check gas filter HPR CNG, replace if required							C,R		Replace if required
4.	Clean Gas regulator							CL		Open Power valve
5.	Replace all rubber components of gas kit									After every three (3) years
6.	Gas cylinder retesting									After every three (3) years

A- Adjust

C- Check

CL-Clean

L-Lubricate

R-Replace

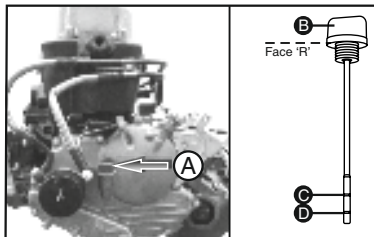
T-Top up



### 3.3 Engine Oil-Checking/Replacement

**RE 4-STROKE**

- A. Oil filler hole/dipstick
- B. Oil level dipstick
- C. Upper level (Max level)
- D. Lower level (Min level)



Engine Oil level checking procedure :

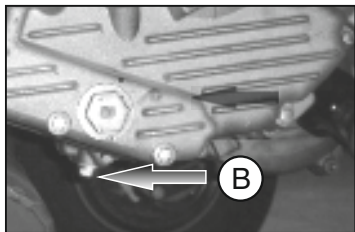
- Park the vehicle on level surface to check the oil level.
- Remove the dip stick & wipe it clean.
- Insert the dipstick tighten it till the face 'R' rest completely on the seating face of clutch cover.
- Remove the dipstick & check the oil level.
- This should be between the two marks 'C' and 'D' as shown.

#### NOTE

Engine oil dipstick head is coloured Green. Be sure to use the correct dipstick in this location.

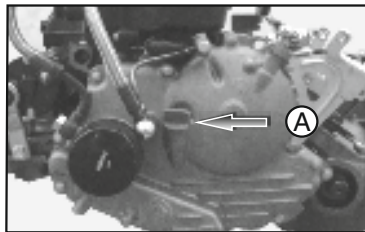
### 3.3 Engine Oil-Checking/Replacement

**RE 4-STROKE**



A. Oil filler hole

B. Oil drain plug

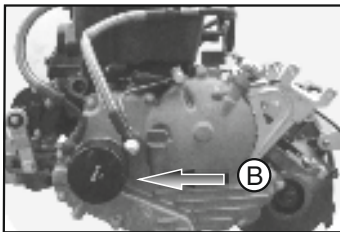


#### **Oil replacement :**

Replace oil as per Lubrication Chart.

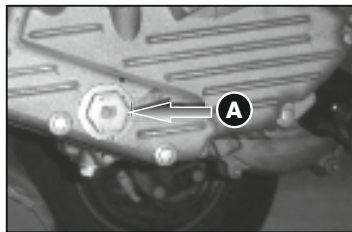
For Replacing Engine Oil :

- Run the engine for about 10 minutes to warm up the oil
- Place the vehicle on a level ground so that the oil settles down
- Remove oil drain plug. Let the oil drain completely
- Tighten the drain plug
- Remove oil filling plug and pour the correct quantity of recommended oil.
- Ensure oil level at top 'C' level of dipstick
- Fit back oil filling plug. Ensure that there is no oil leakage.



A. Location of Oil strainer

B. Oil filter



#### A. Oil Strainer Cleaning

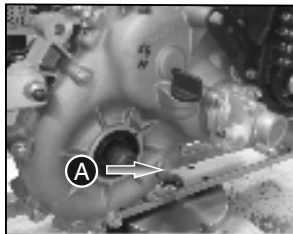
- Oil Strainer is situated inside the plug as shown in the figure.
- Oil Strainer should be cleaned in accordance with periodic maintenance chart.

#### B. Oil Filter

- Replace the oil filter element assembly at every 10, 000 Kms. Ensure Engine oil level confirms to maximum level indicated of dipstick on replacement of oil filter.



#### A. Differential Oil level bolt



#### Differential Oil level checking procedure:

- Place the vehicle on a level ground.
- Let the oil settle for a few minutes.
- Remove differential oil level bolt.

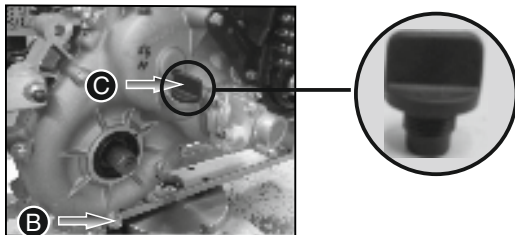
The oil level is correct, if oil just starts flowing out when bolt is removed. If oil is not flowing out i.e. Less oil level top up with specified oil till the oil starts flowing out. Fit back oil level bolt.

### 3.4 Differential Oil-Checking & Replacement

**RE 4-STROKE**

**B. Oil drain bolt**

**C. Oil filler plug**



Oil replacement :

Replace oil as per Lubrication Chart.

For replacing Differential oil :

- Run the engine for about 10 minutes to warm up the oil.
- Place the vehicle on a level ground so that the oil settles down.
- Remove oil drain plug. Let the oil drain completely.
- Tighten the drain plug.
- Remove oil filling plug and pour the correct quantity of recommended oil.
- Check the oil level.
- Fit back oil filler plug. Ensure that there is no oil leakage.

### 3.5 Recommended Oil Grade and Quantity

**RE 4-STROKE**

#### Recommended Engine Oil:

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

#### Lubrication

Replace the oil in accordance with periodic maintenance chart.

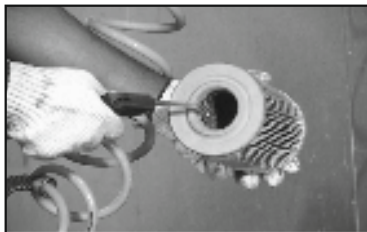
	Recommended oil grade	Quantity
Engine Oil	BAJAJ DTS-i 10000 4T Premium Engine Oil	1600 ml.
Differential Oil	BAJAJ DTS-i 10000 4T Premium Engine Oil	320 ml.

- Engine oil replacement frequency : 1000 Km service & then every 10,000 Km. In case any other engine oil of SAE 20W50 of API 'SL' + JASO 'MA2' grade or equivalent, the replacement frequency of Oil will be at every 5000 Km.



#### NOTE

- Two different grade and brands of oil should not be mixed.
- 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 of drained oil properly.
- **Ensure Engine oil level confirms to maximum level indicated of dipstick on replacement of oil filter.**



### **Air Filter Cleaning :**

- Open clips of air filter assembly.
- Remove air filter element.
- Clean the air filter element by blowing air jet from inside & tapping the element on ground.
- Clean air filter housing by air jet and wipe it clean.
- Assemble the air filter element in the housing, fix the clips.

### **▲ CAUTION**

Position filter element sealing ring side towards out i.e. AF cover side. Position air filter cover outlet towards down side



### Battery (12V 32Ah)

- Check and ensure that the electrolyte level is between the upper (Max) and lower (Min) level in each cell.
- If electrolyte level is below lower level in any cell, top up to upper level with distilled water only.

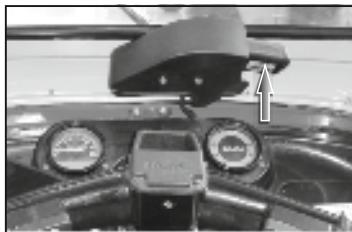
### WARNING

Ordinary tap water is not a substitute for distilled water and will shorten the life of the battery.

- Check battery terminal voltage and Sp. gravity. Charge the battery, if required. Check connections of battery terminals and starter relay. Apply petroleum jelly on battery terminals

## 3.8 Wiper Motor

**RE 4-STROKE**



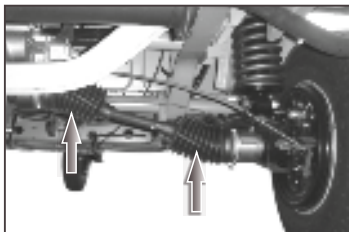
**Wiper Motor**

### **Wiper Motor :**

- Self parking feature is provided in the wiper motor. Wiper blade will rest in extreme left position. (When viewed from inside the cabin).

### **WARNING**

Before washing vehicle, wrap the wiper motor with polythene sheet to prevent water entry.



#### Propeller Shaft Greasing

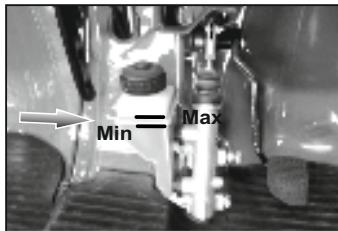
Do the Propeller shaft greasing at every 5000 kms.

Use only following recommended grease for greasing the propeller shaft.

Hindustan petroleum - AP3  
Castro/ volvotine - NLGI-3  
Indian Oil - Servo RR3

} Or equivalent

**Bellows of propeller shaft should be kept in good condition and replaced immediately if torn. Torn bellows will allow dust and water entry into the propeller shaft flanges which will cause damage to flanges, slider blocks and pins and reduce its life.**



**Brake Oil container:** Brake oil container is located on Master Cylinder near brake pedal. Check the brake fluid level by looking at the reservoir. Check that the fluid level is between the “Max” and “Min” lines. If the brake fluid level is near the “ Min” line, fill it up to the “MAX” line with recommended brake fluid.

**▲ CAUTION**

A rapid fluid loss indicates a leak in the brake system which should be inspected by your distributor / dealer immediately. Brake fluid can harm your eyes and damage painted surfaces. Use caution when refilling the reservoir.



**Brake Oil**

- it is advisable that the brake fluid should be replenished at least once in a year.

We recommend following brake fluids.

Marketed by	Type of oil
Hindustan Petroleum	Hp Super Duty brake fluid DOT-3
Indian Oil Corporation	Servo brake fluid super HD
Bharat Petroleum	Bharat Heavy Duty brake fluid
Castrol India Ltd.	Castrol Universal brake fluid

**NOTE**

*Please note that two different brands / types of brake fluids should not be mixed together.*

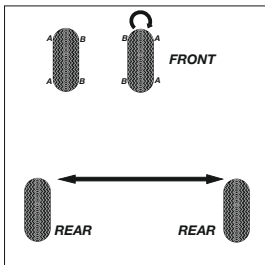
### 3.11 Free Play

**Free play for :**

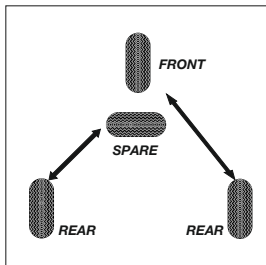
- a. At brake pedal : 10-15 mm
- b. At clutch Lever : 4-5 mm
- c. Accelerator grip : 2-3 mm
- d. Choke cable : 2-3 mm  
(at engine end)
- e. Spark plug gap : 0.6-0.8 mm

### 3.12 Tyre Rotation

Sequence -1 →



← Sequence -2



**Tyre rotation :** The wheels are interchangeable provided they are correctly inflated. To even out tyre tread wear it is recommended to rotate it after every 5,000 km and inflate it to the specified pressure. The best tyres should always be kept at the rear wheels which are driving wheels, thereafter follow the sequence of rotation.

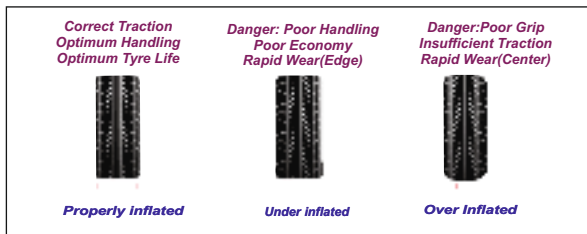
**Sequence -1** After 5,000 ,15,000----- km

*Change front tyre face & interchange rear wheels as shown*

**Sequence -2** After 10,000 ,20,000----- km

*Interchange Front & rear right wheel ,spare & rear left wheel as shown*

## 3.12 Tyre Rotation



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

Front	2.1 kg/cm <sup>2</sup> (30 PSI)
Rear	2.4 kg/cm <sup>2</sup> (34 PSI)

Tyre Size : 4.00 - 8, 4/6 PR (All four tyres)

## 4. Pre Delivery Inspection

**RE 4-STROKE**

### **Transit Damage :**

Check the vehicle for any transit damages.

### **Performance:**

Check engine oil & differential oil level and top up if necessary.

Check gear shifting and clutch for proper adjustment and working.

Check and adjust engine idling if necessary.

Check for drivability, hesitation.

Check Play/ Adjustment/ Cable

Check and adjust all control cables.

Check and correct tyre inflation pressure including that of Spare wheel.

### **Electrical related:**

Check all lights, horn, wiper motor and switch operation for satisfactory working.

### **Clean the vehicle before delivery**

Fit all the fitting and accessories before delivery

CERTIFIED THAT THE WORK NARRATED ABOVE IS  
PROPERLY CARRIED OUT BEFORE DELIVERY.

Distributor / Dealer's stamp and Signature

For faster response, please furnish the following details in e-mail / written communication to our Distributor.

- Contact Details (Customer Name & Add. Ph./Mob. No)
- Vehicle Details (Engine No., Chassis No., Registration No., Make and Purchase Date)
- Selling/Servicing Distributors / Dealers
- Nature of Complaint in Brief

For any additional Information or Assistance Please Contact :

Bajaj Auto Limited

Export Service International Business

Akurdi, Pune 411 035 India

Phone : +91 20 27406278

Fax : +91 20 27407385

E-mail : [customerservice@bajajauto.co.in](mailto:customerservice@bajajauto.co.in)

## Notice

**RE *4-STROKE***

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 up-to-date, modifications on the vehicle, parts or accessories as may be convenient and necessary.

CIN NO. CINL65993PN2007PLC130076

**DOC. NO. 7111882**

**REV. 02, AUG. 2014**

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**Delivery Certificate**

**RE 4-STROKE**

Chassis No.: \_\_\_\_\_

Engine No.: \_\_\_\_\_

- The above vehicle was inspected/test driven by me/my representative at the time of taking delivery and it was found to be acceptable and free from any operational or visual defects.

Place :

Date :

Customer's Signature

(TO BE RETAINED BY SELLING DEALER)



## Delivery Certificate

**RE *4-STROKE***

Date of Sale : \_\_\_\_\_

Customer's Name : \_\_\_\_\_

Address : \_\_\_\_\_

\_\_\_\_\_

Phone No. : \_\_\_\_\_

Dealer's Name : \_\_\_\_\_

\_\_\_\_\_

Address : \_\_\_\_\_

\_\_\_\_\_

Use only Bajaj Genuine Parts

**RE 4-STROKE**

For optimum performance of vehicle

For prolonged life of  
components & vehicle

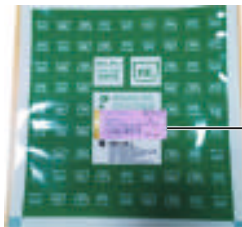
For economical  
maintenance cost

For rider's safety

Always  
Insist  
on

**BAJAJ**  
**GENUINE**  
**parts**

### Genuinity Test



Golden Hologram

Scratch Hologram to find '**Genuine**'

Partial transparent Hologram





E-MAIL

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



WEB-SITE

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



Export Service, International Business

**Bajaj Auto Limited**

Akurdi, Pune 411 035 India.



**MORE Mileage**

**MORE Safety**

**MORE Trust**

**MORE Benefit**

**Bajaj Auto Limited**

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