

Dear Customer,

Congratulations on becoming the proud owner of a “Bajaj Pulsar 220 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 deliver consistent performance, we have specially programmed the periodic maintenance services which includes 3 Free and 4 Paid services. We earnestly advise you to avail all these services at any of our Vehicle Dealers or Authorised Service Centres as per the schedule contained in this booklet

Your “Bajaj Pulsar 220 DTS-i” comes 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.

We urge you to entrust all your service needs to a Bajaj Dealer or Authorised Service Centres only. They are well equipped with all necessary facilities / genuine parts / oil and trained manpower will ensure the best care for your bike.

Should you require any additional information or wish to convey any grievance you may contact us on our toll free no. / e-mail mentioned on front cover inner page of this manual.

Thank you for choosing a Bajaj and wish you unlimited miles of happy riding!!

SERVICE DEPARTMENT
BAJAJ AUTO LIMITED

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Safety and Warning Information



Warning

This indicates that a potential hazard or injury to you or other persons and to the vehicle can happen, if the advise provided is not followed.



Caution

This indicates that a potential hazard that could result in vehicle damage. Follow the advise 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.

Modifications on the vehicle, parts or accessories as may be convenient and necessary.

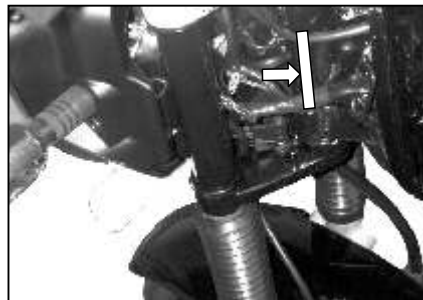
Identification Data

pulsar **220** S-I

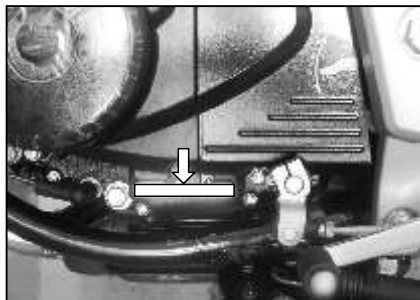
The Frame and Engine serial numbers are used to register the motorcycle. These are the unique alphanumeric codes to identify your vehicle from others of the same model and type.



▶ Frame Number Location:
On the RH side of
steering tube for
Pulsar 220 F.



◀ On the LH side of
steering tube for
Pulsar 220 S.



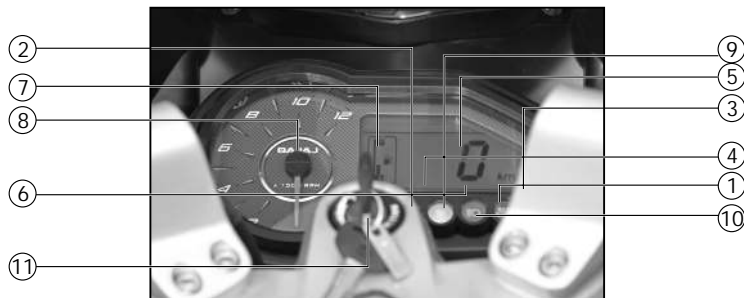
◀ Engine Number Location :
On LH side crankcase near
gear change lever.

Technical Specifications

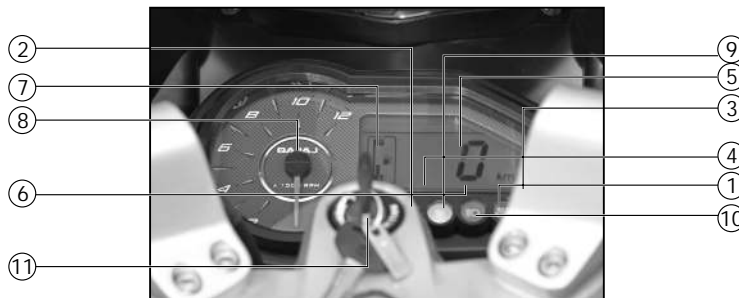
pulsar *DT5-1*
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Engine	: 4 Stroke, Single Cyl., Natural air cooled/ Oil cooled	Tyre Size	Front : 90/90 x 17, 49P tubeless Rear : 120/80 x 17, 61P tubeless
Bore x Stroke	: 67.00mm x 62.4mm	Tyre Pressure	Front : 2.00 kg/cm ² (28 PSI) Rear (Solo) : 2.00 kg/cm ² (28 PSI) Rear (Pillion) : 2.25 kg/cm ² (32 PSI)
Engine Displacement	: 220 cc	Electrical System	: 12 Volts DC
Compression Ratio	: 9.5 ± 0.5 : 1	Head Lamp	: 55/55 W-H7 (for F) : 35/35 W (for S)
Ignition System	: Digital CDI	Pilot Lamp	: 5 W Each 2 Nos.
Spark Plug	: 2 Nos. Champion RG6HCC	Tail /Stop Lamp	: LED/LED
Spark Plug Gap	: 0.6 to 0.9 mm	Turn Signal Lamp	: 10 W - 12 V
Lubrication	: Wet sump, Forced	Neutral Indicator Lamp	: LED
Transmission	: 5 speed constant mesh	Hi Beam Indicator Lamp	: LED
Brakes (Front & Rear)	: Hydraulic operated disc brakes	Turn Pilot Indicator Lamp	: LED
Fuel Tank Capacity	:	Side Stand Indi. Lamp	: LED
Full	: 15.0 liters	Speedometer Lamp	: LCD Display
Reserve	: 3.2 liters	Rear No. Plate Lamp	: 5 W
Usable Reserve	: 2.0 liters	Horn	: 12 V DC (2 Nos.)
Dimensions	:	Battery	: 12V - 9 Ah
Length	: 2035 mm	Vehicle Kerb Weight	: 152 kg. (for F) : 148 kg. (for S)
Width	: 750 mm	Gross Vehicle Weight	: 282 kg. (for F) : 278 kg. (for S)
Height	: 1165 mm	Climbing Ability	: 28% (16°max)
Wheel base	: 1350 mm		
Min. Turning Radius	: 2500 mm		
Ground Clearance	: 165 mm (Min.)		

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

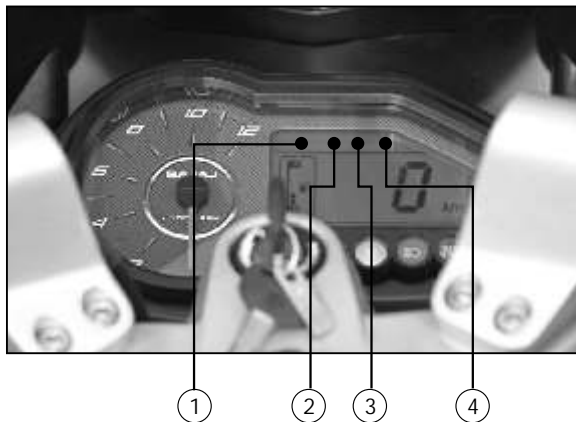


- | | | |
|------------------------------------|---|---|
| 1. Side stand indicator | : | When Side stand is 'ON', the Side stand indicator will be lit. |
| 2. Turn signal indicator (LH & RH) | : | When Turn signal switch is turned to Left or Right, Turn pilot indicator - LH or RH will flash. |
| 3. Trip meter reset knob | : | Trip meter can be reset to zero by turning the Trip meter reset knob anticlockwise. |
| 4. Trip meter | : | The Trip meter shows the distance traveled since it was last reset to zero. |
| 5. Speedometer | : | The vehicle speed is displayed digitally. |
| 6. Odometer | : | The Odometer shows the total distance that the vehicle has accumulated. |

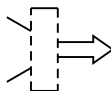


- | | |
|----------------------------------|--|
| 7. Fuel level indicator | : Fuel level indicator shows available fuel in fuel tank. |
| 8. Tachometer | : It shows the engine speed in RPM. |
| 9. Neutral indicator | : When the transmission is in Neutral & Ignition switch 'ON', the Neutral indicator is lit. |
| 10. Hi beam indicator | : When Headlight is 'ON' & Hi beam is selected with engine running, Hi beam indicator will be lit. |
| 11. Steering cum Ignition Switch | : Key operated switch for Ignition 'ON'/'OFF' & locking handle bar. |

4 ICONS ON SPEEDO DISPLAY AT THE TOP

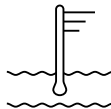


①



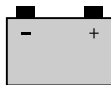
Air Filter Element Choked

②



High Engine Temperature

③



Battery Voltage Low

④



Low Fuel Oil Level

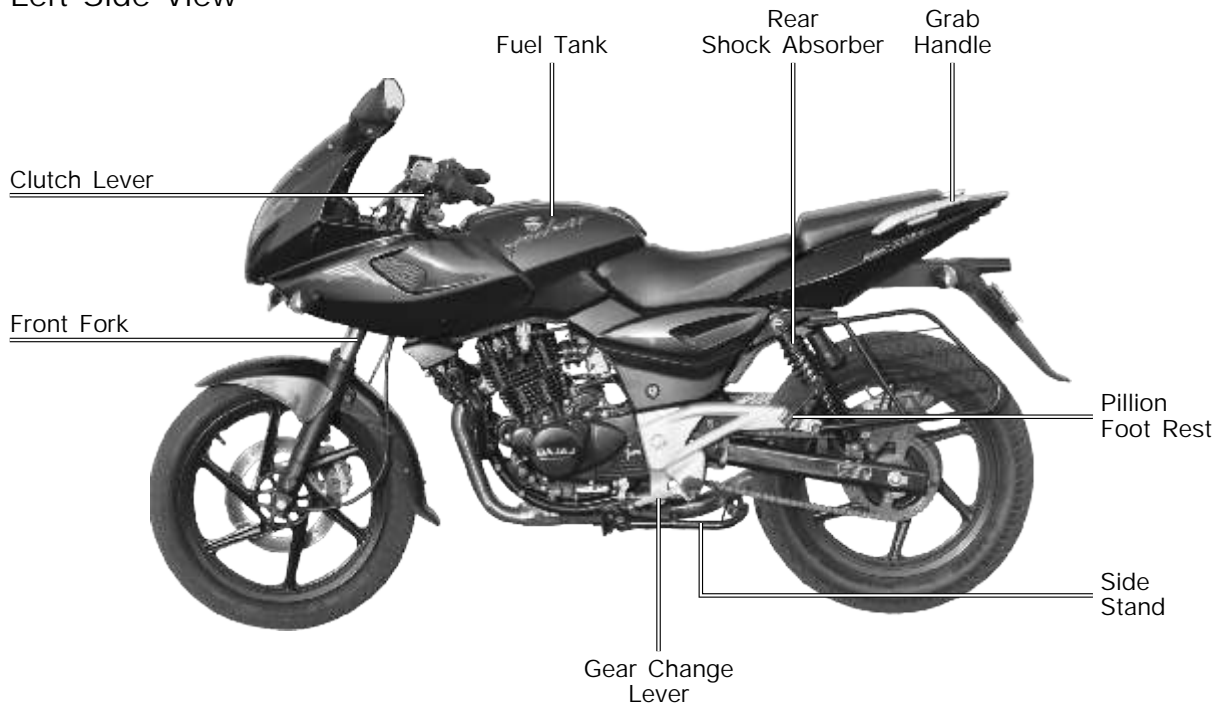
These icons flash whenever their limits are exceeded

Take your vehicle to service station for maintenance of required item, if any of the above icons flicker continuously.

Location of Parts (for 220 F)

pulsar **DT5-1**
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Left Side View



Location of Parts (for 220 F)

pulsar **ATS-i**
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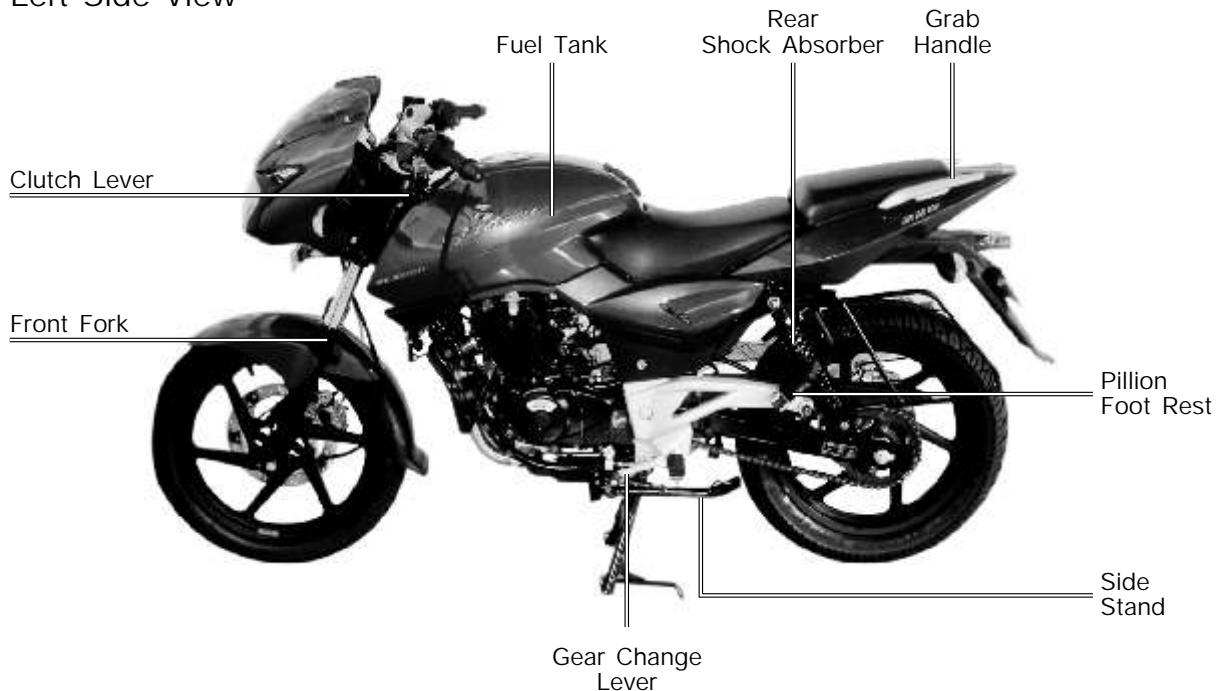
Right Side View



Location of Parts (for 220 S)

pulsar **DT5-1**
220

Left Side View



Right Side View





Steering Cum Ignition Lock :

It has three positions.

Key Position	Function	Key Removal
LOCK	Steering Locked Ignition OFF	Key can be Removed
OFF	Steering Unlock Ignition OFF	
ON	Steering Unlock Ignition ON	Key can not be Removed

To Lock the Steering :

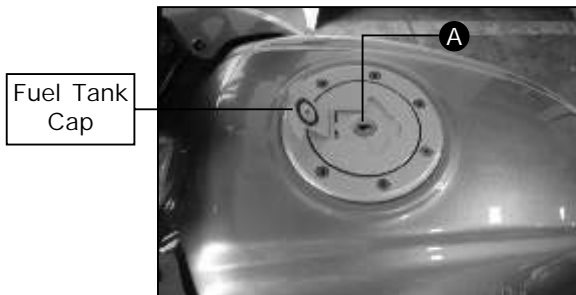
To lock the steering, turn the handle bar to the left or right. Push down & turn the key to "LOCK" position and remove the key.

To Unlock the Steering :

To unlock the steering, insert the key in steering cum ignition lock & turn it clockwise to "OFF" or "ON" position.

Other Keys :

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, lift the flap (A), insert the key in the lock and turn it clockwise.
- To lock 'Fuel Tank Cap' gently press the cap.



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.



Left Handle Bar Switches

A. Dipper Switch :

When headlight is ON, High or Low beam can be selected with the dipper switch. Hi beam indicator light located on Speedo console will light up when high beam is selected.

☰○ : High Beam ☷○ : Low beam

B. Turn Signal Switch :

When the turn signal knob is turned to Left (↶) or Right (↷). the corresponding blinkers will be lit.

Cancellation of Turn Signals will occur in 3 ways, 2 automatically and 1 manually.

1. After having turned to the Left or Right directions, the turn signal will switch itself off when the handle bar is straightened.
2. If one forgets to take a turn, but has selected the turn signal it will be switched off automatically after approx. 1 min.
3. If the turn signal has selected to left & the rider was to cancel it, turning the switch right will cancel it. Pushing it in the center will not cancel it.

C. Horn Button :

(🔊) Press button for sounding horn.



Right Handle Bar Switches

D. Head Light Switch : It has 3 positions.

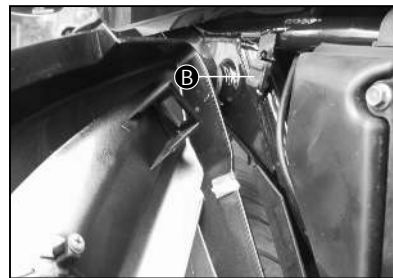
●	: All lamps 'OFF'.
☰	: Tail lamp, Meter lamp and Pilot lamp/s 'ON'.
☀	: Head lamp, Pilot lamp/s, Tail lamp & Meter lamps 'ON'.

E. Engine Kill Switch : The engine kill switch is for regular use too. During emergency move the engine kill switch to the off (⊗) position.

F. Starter Button : Starter button operates the electric starter when clutch lever is depressed with transmission in any gear. It is recommended to start the engine with the transmission in neutral.

CAUTION :

While starting ensure that engine kill switch is in ON (☰) position. Engine will not start if the kill switch in OFF position.



Removal of Side Cover LH or RH

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

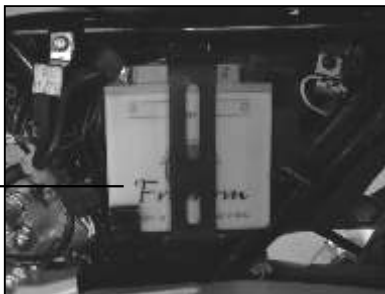
CAUTION : Remove cover as described above, otherwise the lugs may break.

Fitment of Side Cover LH or RH

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

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

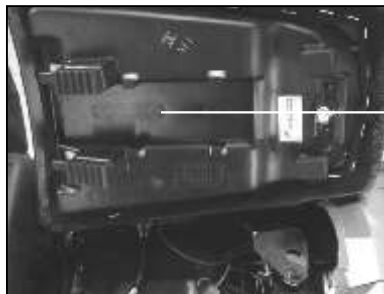
Battery



Battery

- It is located inside the 'Side Cover' LH. For removing 'Side Cover' LH, please refer procedure given on page number 14.
- Always check that the electrolyte level in each cell is between upper and lower level lines.
- Always keep a watch on battery charge level indicating icon. If it flashes, show the vehicle to Pro-biking Dealer.

Tool Kit



Tool Kit Location

- It is located below seat. For removing seat please refer procedure given on page number 16.
- 2 rubber straps are provided to hold the tool kit.



Seat Release Cable

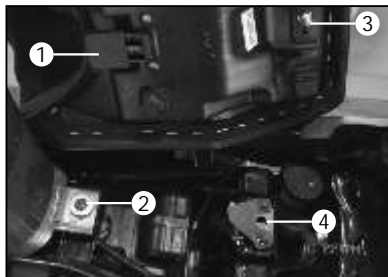


Fig. B

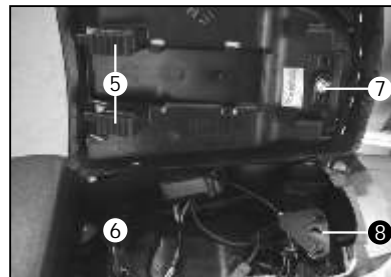


Fig. C

Removal of Seat - Front & Rear

- Remove 'Side Cover' LH.
- To remove Seat Front, pull the 'Seat Release Cable' (A) to release seat lock. Keeping cable pulled, tap the center of seat, lift the seat from rear end and slide it back to remove seat.
- To remove Seat Rear, pull the 'Seat Release Cable' (B) to release seat lock. Keeping cable pulled, tap the center of seat, lift the seat from rear end and slide it towards tail lamp to remove seat.

CAUTION : Always remove Rear Seat first.

Fitment of Seat - Front & Rear

- For fitment of Seat Front, match & insert the bracket ('1' of Fig. 'B') of seat with slot ('2' of Fig. 'B') provided below fuel tank rear mounting on chassis. Push seat towards fuel tank and align lock rod ('3' of Fig. 'B') & seat lock ('4' of Fig. 'B'). Then press the seat in middle from top to lock the seat.
- For fitment of Seat Rear, match & insert the bracket ('5' of Fig. 'C') of seat with slot ('6' of Fig. 'C') provided below fuel tank rear mounting on chassis. Push seat towards fuel tank and align lock rod ('7' of Fig. 'C') & seat lock ('8' of Fig. 'C'). Then press the seat in middle from top to lock the seat.

CAUTION : Always fit Front Seat first.

Running IN



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


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

Kms	1st	2nd	3rd	4th	5th
0 - 1000	15	30	45	55	65
1000 - 2000	20	40	55	65	75

- 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.

Starting the Engine :

- Keep the fuel tap to ON or RES position.
- Turn ignition switch to ON position.
- Turn Kill switch to () ON position.
- Confirm that the vehicle (transmission) is in neutral.
- Keep the throttle completely closed, push the starter button ()

 CAUTION : Do not operate the starter continuously for more than 5 sec. Wait for 15 sec. before you re-start.

NOTE : The motorcycle is equipped with a starter lockout switch. The vehicle can start in any gear when clutch lever is depressed.

It is recommended to start the engine with the transmission in neutral.

In case of starting trouble by self start the vehicle can be push started.

Moving Off :

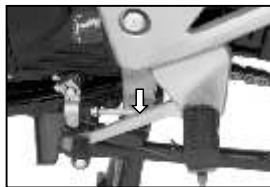
- Check that Center/Side stand is up.
- Depress the clutch lever.
- Shift into 1st gear.
- Open the throttle and release the clutch lever slowly and simultaneously.
- As the clutch starts to engage, open the throttle a little more, giving the engine just enough rpm to keep it from stalling.

Shifting Gears :

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



Gear Shifting Sequence



Gear Shifting Lever

WARNING : When shifting down to lower gear, do not shift at such a high speed that the engine rpm rises excessively and which may cause the rear wheel to skid.

Braking :

- Close the throttle completely, leaving the clutch engaged (except where shifting gears) so that the engine braking will help slow down the motorcycle.

- Shift down one gear at a time so that you are in Neutral when you come to a complete stop.
- When stopping, always apply both brakes at the same time. De-clutch as necessary to keep the engine from stalling.
- Never lock the brakes, or it will cause the tyres to skid. When cornering, use brakes judiciously and do not de-clutch. Reduce your speed before you get into the corner. For emergency braking, disregard downshifting, 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 or steeply inclined surface or the motorcycle may fall over.

Fuel Saving Tips

- Drive smoothly and 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 as far possible in highest gear.
- 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.

- Ensure Following Vehicle Maintenance.

Vehicle Maintenance (Ensure Following)

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 "Bajaj DTS-i 10000" high performance engine 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.

Safe Riding Tips

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- Always wear helmets while driving or riding. Your helmets should conform to appropriate Indian 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 and follow traffic rules and 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 and 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.

General Maintenance Information



Engine Oil

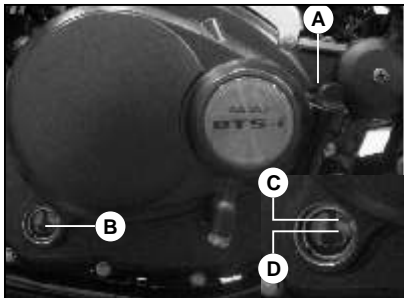
- Check engine oil level every day before starting the vehicle.
- Always maintain engine oil level between upper & lower mark provided on cover RH.

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 :

- 1150 ml for refill and 1300 ml on engine overhaul.



A : Oil Filler Cap

B : Oil Level Inspection Window

Recommended Oil :

“Bajaj DTS-i 10000” a high performance engine oil developed by Bajaj auto, specially formulated for vehicles with DTS-i engine.



Bajaj Auto recommends “Bajaj DTS-i 10000” engine oil for 10,000 kms drain interval, better performance of engine components & warranty benefits.

Bajaj DTS-i 10000	SAE 20W50 of API ‘SL’, JASO MA Grade
Replacement Frequency*	1st replacement at 750 Kms. / 1st service. Thereafter at every 10,000 Kms.
*For any other branded oil of equivalent grade replacement frequency will be 5000 Kms.	

⚠ 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.



Wheel Puncture :

Advisable to visit tyre dealer if possible, or known tubeless tyre repair shops. Usage of a wheel removal / fitment machine strangle recommended.

If at all, tyre levers have to be used, they should be having no sharp edges and the procedure of removal / fitment should not nick / dent the wheel or tyre in any manner.

⚠ CAUTION : Tubeless tyres are used on motorcycle. The side walls of the tyres in contact with the wheel rim should not be damaged in any way during fitment / removal of tyre in case of punctures. The tyre side walls in contact with the wheel rim seals air.

Tyre Pressure :

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

Front	2.00 Kg/Cm ² (28.5 psi)
Rear (Solo)	2.00 Kg/Cm ² (28.5 psi)
Rear (with Pillion)	2.15 Kg/Cm ² (32.5 psi)

Drive Chain Slackness


Drive chain fitted on your vehicle is special chain with 'O' ring design.

- Care should be taken, that the chain should never run dry.
- Lubricate chain from outside with SAE 90 oil / OKS spray at every 500 kms.
- Chain slackness will have to be adjusted whenever required.



Battery : 12V - 9 Ah, MF

- Battery is located inside 'Side Cover' LH.
- Always ensure that battery electrolyte level is in between max & min level marks.
- Check & top up battery by distilled water if electrolyte level is below min level mark.
- Battery life would get adversely affected if top up with 'Tap Water'.
- 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 battery is found discharged, it is advised to get it charged immediately.

 **CAUTION** : Do not drive/run vehicle in battery disconnected condition. It may lead to damage of electrical /electronic components.

- Warranty on battery is 18 months from the date of purchase of vehicle.

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 : 0.6~0.9 mm.

Spark Plug Make : CHAMPION RG 6 HC (2 Nos.)



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 ahead 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.

It is advisable that brake fluid should be replenished at every 30,000 Kms or once in two years which ever occurs earlier.


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.

Daily Safety Checks

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Before riding the motorcycle be sure to check the following items. Please give proper importance to these checks and perform all of them before riding the motorcycle. If any irregularities are found during these checks, refer to the Maintenance chapter and see Authorised Dealer / Service center 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.

What to check	Check for
Fuel	Enough fuel for the planned distance of operation, no leaks in the fuel lines.
Engine Oil	Oil level between upper and lower marks.
Throttle	1. Correct play in the throttle cable (2 to 3 mm) 2. Smooth operation and positive return of the throttle grip to the closed position.
Steering Lock	Correct operation.

What to check	Check for
Brakes	1. Correct pedal play (25-30 mm). 2. No dragging.
Drive chain	1. Proper slack (30-35 mm). 2. Adequate lubrication.
Lighting	Operation of all lights.
Horn	Correct functions.
Steering	1. Smoothness. 2. No restriction of movement. 3. Not Loose / Tight.
Clutch	1. Correct lever play. (2 ~ 3 mm). 2. Smooth operation of lever.
Side and Centre Stand	Return to their fully up position.
Tyres	1. Correct pressure. 2. Adequate tread depth. 3. No cracks or cuts. 4. No stone stuck in grooves.
Mirrors	Correct position and max. rear viewing angle

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 the 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 and 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 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.
 - Check and correct the 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.

Periodic Maintenance / Lubrication Chart



Sr. No.	Operation	RECOMMENDED FREQUENCY								
		Servicing	1st	2nd	3rd	4th	5th	6th	7th	
		Kms	750	5000	10000	15000	20000	25000	30000	
1.	Servicing		✓	✓	✓	✓	✓	✓	✓	1st - 750 Kms / 30 Days 2nd onward @5000 Kms
2.	Engine idling speed / CO%	A	A	A	A	A	A	A	A	
3.	Valve tappet clearance	A	A	A	A	A	A	A	A	
4.	Engine oil* - Bajaj DTS-i 10000	R	R		R		R		R	Replace at 10000 Kms*
5.	Oil strainer / Centrifugal filter	CL	CL		CL		CL		CL	Clean at 10000 Kms
6.	Spark plugs functioning / Gap (If applicable)	C, A, R	C, A	C, A	C, A	R	C, A	C, A	R	Replace at every 15000 Kms
7.	Air cleaner element Clean / Replace**	CL, R	CL	CL	CL	R	CL	CL	R	Clean at every 5000 Kms Replace at every 15000 Kms
8.	Air filter cover 'O' Ring	R					R			Replace at every 20000 Kms
9.	Fuel cock sediment bowl cleaning	CL		CL	CL	CL	CL	CL	CL	
10.	Carburettor float bowl cleaning	CL			CL		CL		CL	Clean at every 10000 Kms
11.	Carburettor rubber duct	C, R	C	C	C	C	R	C	C	Replace at every 20000 kms
12.	Fuel pipes	C, R	C	C	C	C	R	C	C	Replace at every 20000 kms
13.	Battery electrolyte level	C, A	C, A	C, A	C, A	C, A	C, A	C, A	C, A	
14.	Clutch lever free play	C, A	C, A	C, A	C, A	C, A	C, A	C, A	C, A	
15.	Throttle grip play	C, A	C, A	C, A	C, A	C, A	C, A	C, A	C, A	

*For any other brand of oil (SAE 20W50 API 'SL' JASO MA grade) drain interval is 5000 kms.

**More frequent cleaning may be required when driving in dusty condition.

Periodic Maintenance / Lubrication Chart



Sr. No.	Operation	RECOMMENDED FREQUENCY								
		Servicing	1st	2nd	3rd	4th	5th	6th	7th	
		Kms	750	5000	10000	15000	20000	25000	30000	
16.	Rear brake pedal free play	C, A	C, A	C, A	C, A	C, A	C, A	C, A	C, A	
17.	Brake lining or pad wear	CL, R		CL	CL	CL, R	CL	CL	CL, R	Replace at every 10000 kms
18.	Brake fluid level / Top up / Replace (If applicable)	C, A, R	C, A	C, A	C, A	C, A	C, A	C, A	R	Replace at every 30000 kms
19.	Master cylinder cup and dust seal (If applicable)	R							R	Replace at every 30000 kms
20.	Caliper piston seal and dust seal (If applicable)	R							R	Replace at every 30000 kms
21.	Brake hose pipe (If applicable)	C, R							C, R	Replace at every 30000 kms
22.	Brake cam & pedal pivot pin	L				L			L	
23.	Steering play	C, A	C, A	C, A	C, A	C, A	C, A	C, A	C, A	
24.	Steering stem bearing	C, L, R			C,L,R		C,L,R		C,L,R	
25.	All fasteners tightness	C, T	C, T	C, T	C, T	C, T	C, T	C, T	C, T	
26.	Rear sprocket fasteners	C, T	C, T	C, T	C, T	C, T	C, T	C, T	C, T	
27.	Rear wheel rubber shock damper	C, R			C, R		C, R		C, R	Replace at every 10000 kms
28.	Silencer drain hole cleaning	CL	CL	CL	CL	CL	CL	CL	CL	Clean at every 5000 Kms
29.	Cylinder head de-carbonising, valve lapping & Replace valve oil seals	CL				CL			CL	Clean at every 15000 Kms
30.	Engine air breather tube	R					R			Replace at every 20000 Kms
31.	Drive chain slackness adjustment & lubrication	C, A, L	C,A,L	C,A,L	C,A,L	C,A,L	C,A,L	C,A,L	C,A,L	Lubricate at every 500 kms. A- slackness whenever reqd.

Periodic Maintenance / Lubrication Chart



Sr. No.	Operation	Servicing	RECOMMENDED FREQUENCY							
			1st	2nd	3rd	4th	5th	6th	7th	
			Kms	750	5000	10000	15000	20000	25000	
32.	Drive chain 'O' ring type (If applicable)	L	At every 500 Kms							
33.	Drive chain remove, clean, insp. & lubricate (O/H)	CL, L			CL, L		CL, L		CL, L	At every 10000 Kms
34.	Drive chain link lock	R			R		R		R	Replace at every 10000 Kms
35.	Wheel bearing (for non sealed bearings only)	C, L					C, L			At every 20000 Kms
36.	Tyre tread wear (replace if worn out till TWI limit)	C, R			C, R	C, R	C, R	C, R	C, R	At every 5000 kms i.e. at every service after 2nd service
37.	Front fork oil	R					R			Replace at every 20000 Kms
38.	Auto choke, Thermal sensor (If applicable)	C, A	C, A	C, A	C, A	C, A	C, A	C, A	C, A	At every 5000 Kms
39.	TPS (If applicable)	C, A	C, A	C, A	C, A	C, A	C, A	C, A	C, A	At every 5000 Kms
40.	RSA - Check gas pressure (If applicable)	C, A					C, A			At every 20000 Kms.
41.	Starter clutch bush kit for dry type (If applicable)	CL, R				CL, R			CL, R	
42.	Clutch switch cleaning (If applicable)	CL			CL		CL		CL	
43.	General lubrication	L	L	L	L	L	L	L	L	
44.	Swing arm pivot pin lubrication	L					L			Lubricate at every 20000 Kms
45.	Engine foundation silent bush (If applicable)	R				R			R	Replace at every 15000 Kms
46.	Lubrication of gear starter clutch	L		L	L	L	L	L	L	L-Every 5,000 kms.
47.	Clutch, Accelerator cable	R								R-Every two years

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

Note : Parts / Lubricants to be replaced as per Periodic Maintenance and Lubrication Chart are mandatory and the same are chargeable to customer.

Schedule for Periodic Part Replacement



Bajaj Auto recommends the following periodic parts replacement for optimum performance of your vehicle as per the schedule.

Type of Service	Kms limit	Days	Item Description	Qty
1st Free	500 ~ 750	30 - 45	Engine Oil	1150 ml
2nd Free	4500 ~ 5000	240 Days	NIL	NIL
3rd Free	9500 ~ 10000	240 Days	Engine Oil	1150 ml
			Steering Stem Bearing Cone Set (If Required)	1
			Rear Wheel Rubber Damper (If Required)	1
			Drive Chain Link Lock	1
1st Paid	14500 ~ 15000	120 Days from the last service	Spark Plug	2 Nos.
			Air Cleaner Element	1
			Brake Pad / Shoe (If Required)	1
			Valve Oil Seals	2
			Cylinder Head Gasket	1
			Starter Clutch Kit (If applicable)	1
Engine Silent Bush (If applicable)	2			

Schedule for Periodic Part Replacement



Type of Service	Kms limit	Days	Item Description	Qty
2nd Paid	19500 ~ 20000	120 Days from last service	Engine Oil	1150 ml
			Air Filter Cover 'O' Ring	1
			Carburettor Rubber Duct	1
			Fuel Pipes	1
			Steering Stem Bearing Cone Set (If Required)	1
			Rear Wheel Rubber Dampers (If Required)	1
			Engine Air Breather Tube	1
			Drive Chain Link Lock	1
			Front Fork Oil	320 ml
3rd Paid	24500 ~ 25000		NIL	NIL
4th Paid	29500 ~ 30000		Engine Oil	1150 ml
			Spark Plugs	2 Nos.

Schedule for Periodic Part Replacement



Type of Service	Kms limit	Days	Item Description	Qty
4th Paid	29500 ~ 30000	120 Days from last service	Air Cleaner Element	1
			Brake Pad / Shoe	1
			Brake Fluid (If applicable)	75 ml
			Brake Hose Pipe (If applicable)	1
			Master Cylinder Cup & Dust Seal (If applicable)	1
			Caliper Piston Seal & Dust Seal (If applicable)	1
			Steering Stem Bearing Cone Set (If Required)	1
			Rear Wheel Rubber Damper (If Required)	1
			Drive chain Lock	1
			Valve Oil Seals	2
			Cylinder Head Gasket	1
			Starter Clutch Kit (If applicable)	1
Engine foundation silent bush (If applicable)	2			

Warranty : Scopes and Limits



Bajaj Auto Limited gives the following warranty in respect of the “Bajaj Pulsar 220 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 there of 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 the 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 in any manner to replace them though their dealers will

give full assistance in preferring such claims on respective manufacturers.

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 and Recommended Authorised Service Centers with the concerned vehicle and

enables him 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 the benefits of warranty, the following are mandatory -

- Availing of Initial 3 Free Services without lapse.
- Availing 4 paid services at every 5000 kms. or 120 days whichever occurs first without any lapse.
- Availing of all above services at the Authorised Vehicle Dealers & Recommended Authorised Service Centers.
- Maintaining all service records duly signed and stamped by dealers.
- Usage of only recommended engine oil at specified frequency - "Bajaj DTS-i 10000" for drain interval of 10000 Kms (or equivalent grade of SAE20W50 API SL + JASO MA for 5,000 Kms. drain interval).

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 Pad..
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 allowed 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.

Lubrication of Drive Chain with 'O' Ring

pulsar **ATS-i**
220

- Sports vehicles have open Chains.
- "O" rings are used on open chains to prevent dust entry inside Chain.
- "O" rings must always be in wet condition to ensure better performance / Longer life of chain.
- Hence lubricate chain every 500 kms with SAE-90 oil.
- For better retention of lubricant "Chain Lubrication Spray" for chain with "O" rings can be used. We recommend OKS 450/451 spray.



Method of Chain Lubrication :

- Place the bike on center stand; roll the rear wheel in reverse direction while applying lubricant spray.
- Spray the lubricant inside the chain between inner plate & Outer plates, at the rear sprocket location covering entire chain length.
- Also spray the lubricant inside the chain between roller and bushes.
- After lubrication wait for 15 mins.
- Excess lubricant should be wiped with a clean rag before use. Do not use cotton-waste to clean the chain as cotton threads can enter in chain link.



Cleaning by brush



Chain lube spray

Maintenance tips for consistent performance

pulsar DTS-i
220



Carry out all free & paid services as per recommendations.



Follow 'Running-in' instructions & other riding tips for proper riding habits.



Insist on replacement of periodic parts as recommended in 'Scheduled for Periodic Part Replacement.



Follow Periodic Maintenance & Lubrication Chart for specific repairs / parts replacements & lubrication.



Always use "Bajaj DTS-i 10000" engine oil of recommended grade in specified quantity.

Warranty : Scopes and Limits



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) required to be done at 15,000 kms, which is normal servicing requirement.
 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 unauthorised manner like use of non OE air filters, 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.
- 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 "Bajaj Pulsar 220 DTS-i" motorcycle' and no other person, including the Bajaj dealer or its or his agent or employee is authorised to extend or enlarge this warranty.

Use only Bajaj Genuine Parts

pulsar **ATS-i**
220

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



Scratch Hologram to find 'Genuine'

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Bajaj Auto Limited
Akurdi Pune 411 035 India

BAJAJ

QTY 1 No.
NF-143-B

Pkg. MTH.
OCT 06.

JA551421
PLATE JUDDER

M.R.P. (Incl. of All Taxes)
in Rs. for Qty. packed 48.29

Hologram

Price Label

