



# OWNER'S MANUAL

*Stella*  
*automatic*

4 - STROKE

- IMPORTANT INFORMATION FOR THE CARE AND MAINTENANCE OF STELLA AUTOMATIC



We at **Genuine Scooter Company** thank you for choosing the *Stella* **Automatic** as your new scooter.

Stella's classic frame is instantly recognizable, and the Automatic transmission always keeps you in control. Stella Automatic offers the comfort of a new scooter, the security of time-tested engineering, and is collectable "right out of the box."

With the turn of a key, Stella's auto thumb-start gets you going instantly. The 125cc, 4 Stroke Engine delivers a  $9.1 \pm 0.25$  bhp at  $8000 \pm 200$  rpm.

Stella is sure to offer smooth performance and years of comfortable riding. Its style, performance, and colors are impossible to ignore.

This owner's manual has been designed to help you understand Stella Automatic. To optimize her performance and life, please go through this manual thoroughly.

CAUTION : Removal of the catalytic converter is a violation of Federal law and will render the warranty null and void.

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### **CONSUMER INFORMATION 49 CFR 575.6**

Genuine Scooter Company  
2700 W. Grand Ave.  
Chicago IL 60612

#### **Reporting Safety Defects**

If you believe that your vehicle has a defect that could cause an accident, or could cause injury or death, you should immediately inform the National Highway Safety Administration (NHTSA) in addition to notifying Genuine Scooter Company, LLC.

If NHTSA receives similar complaints, it may open an investigation, and if it finds that a safety defect exists in a group of vehicles, it may order a recall and remedy campaign.

However, NHTSA cannot become involved in any individual problems between you, your dealer, or Genuine Scooter Company, LLC. To contact NHTSA you may either call the Auto Safety Hotline toll-free at 1-800-424-9393 (366-0123 in Washington DC area) or write to:

NHTSA  
U.S. DEPARTMENT of TRANSPORTATION  
400 7<sup>TH</sup> Street SW, (NSA-11)  
Washington DC 20590

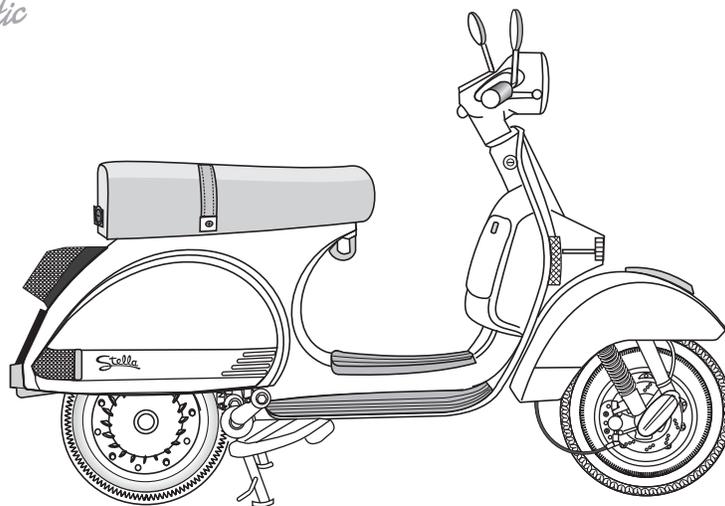
You can also obtain information about motor vehicle safety from the Hotline mentioned above.

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*Stella*  
automatic



*Genuine Scooter Company always recommends that you wear a helmet  
and protective eyewear when riding your scooter. BE SAFE !*

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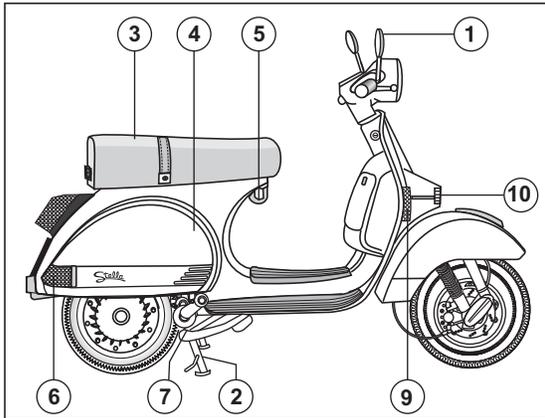


Fig. 4

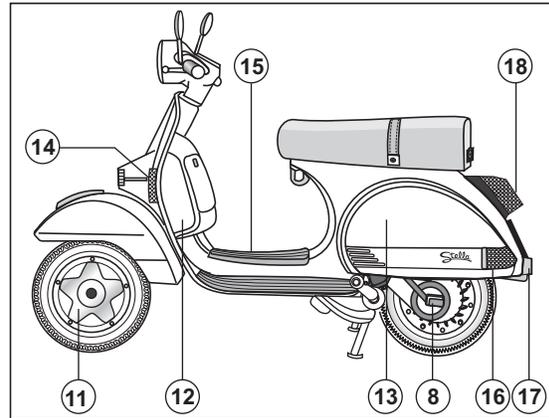


Fig. 5

- |                     |   |   |                                   |
|---------------------|---|---|-----------------------------------|
| 1. Rear view mirror | 6. Rear turn indicator (RH side)          | 10. Horn                                  | 16. Rear turn indicator (LH side) |
| 2. Central stand    | 7. Silencer                               | 11. Wheel hub                             | 17. Rear protection               |
| 3. Seat             | 8. Kick starter                           | 12. Glove compartment                     | 18. Tail light                    |
| 4. RH side cowl     | 9. Front direction indicator (right side) | 13. LH side cowl                          |                                   |
| 5. Hook for bag     |   | 14. Front direction indicator (left side) |                                   |

*Control Functions*

**CONTROL FUNCTIONS**

**1. LOCKING SYSTEM**

The STELLA AUTOMATIC has a single key to block the steering, lock the glove box and the seat as well as start the ignition.

**1.1 Steering lock-cum ignition switch.**

**Locking the Handlebar:** First turn the handlebar to the extreme left and then turn the key anticlockwise to lock position. Pull out the key after locking (Fig.6).

**Un-locking the Handlebar:** Insert the key in ignition switch and turn it clockwise to unlock the handlebar. To switch on the ignition turn the key further clockwise to "ON" position (Fig. 7).

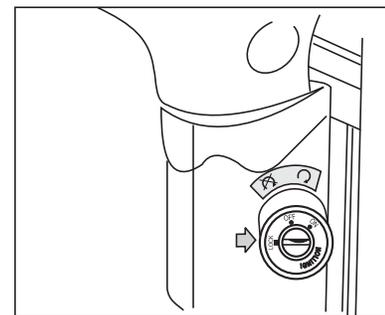


Fig. 6

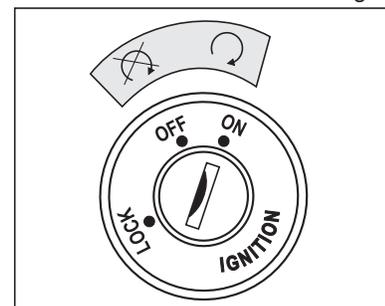


Fig. 7

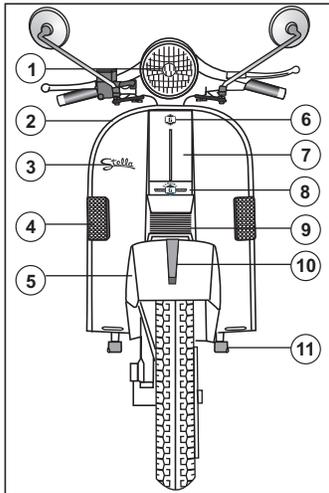


Fig. 3

- 1. Head light
- 2. Fairing edge trimming
- 3. STELLA name plate
- 4. Front turn indicator
- 5. Front mudguard
- 6. Logo G
- 7. Fork cover

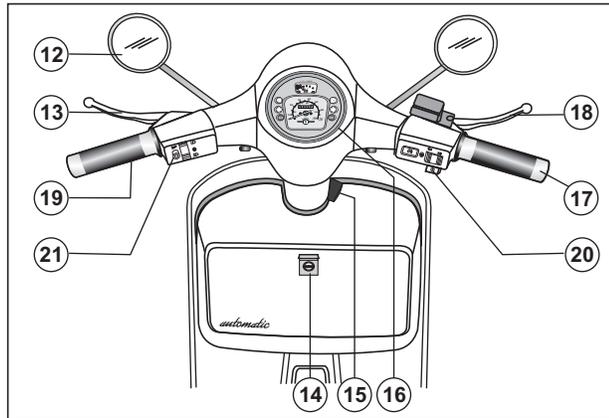


Fig. 4

- 8. Genuine name plate
- 9. Grill
- 10. Crest
- 11. Central stand
- 12. Rear view mirror
- 13. Rear brake lever
- 14. Glove compartment lock
- 15. Ignition-cum-steering lock
- 16. Instrument panel
- 17. Accelerator twist grip
- 18. Front brake lever
- 19. LH grip
- 20. Indicator switch - kill switch, starter
- 21. Light switch - horn buttons

**TOOL KIT**

**Tool kit in a pouch containing**

- Box Spanner with lever
- Double sided screw driver
- 2 Double ended spanners

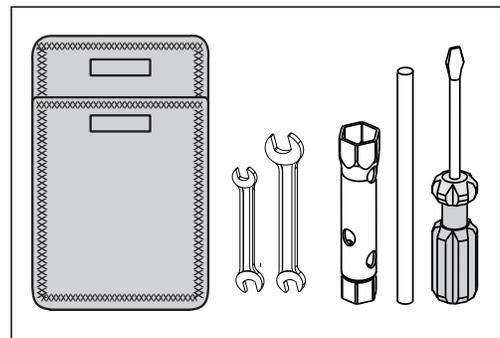


Fig. 5

Control Functions

1.2 **Glove compartment lock:** To open the lock, insert the key into the lock and rotate anticlockwise till the end and then press the lock downwards. For closing, press the lid, turn the key clockwise and then take out the key (Fig. 8 & 9).

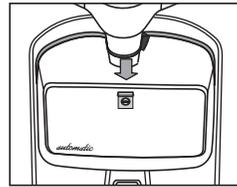


Fig. 8

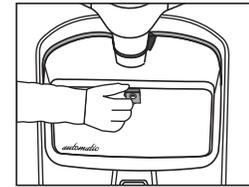


Fig. 9

1.3 **Seat Lock (Dual Seat):** Insert the key, rotate it clockwise till the end then take it out.

Push the lock with thumb (Fig. 10) and lift the saddle from the back (Fig. 11). Place the saddle in its normal position & press it down. To lock the saddle, follow the above procedure in reverse order.

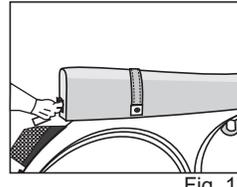


Fig. 10

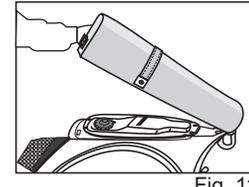


Fig. 11

Control Functions

3.2 **Left hand side of the handlebar (Fig. 14).**

3.2.1 **Horn** – Press button (1)

3.2.2 **Headlight :**

Headlight becomes operative while starting the engine.

For high beam press top end of switch '2' and for low beam press bottom end.

*Headlight high & low beam positions are indicated on the instrument panel.*

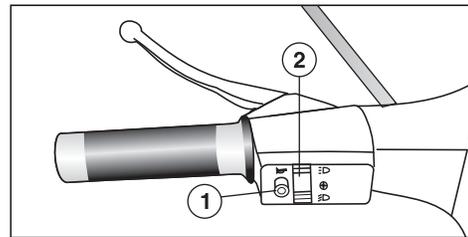


Fig. 14

## 2. INSTRUMENT PANEL

An elegantly designed instrument panel which contains the following:

1. Fuel Gauge
2. Fuel level indicator needle
3. Head light high beam indicator
4. LH turn signal indicator
5. Speed indicator needle
6. Odometer
7. RH Turn signal indicator
8. Head light low beam indicator
9. Stop light indicator
10. ECS indicator

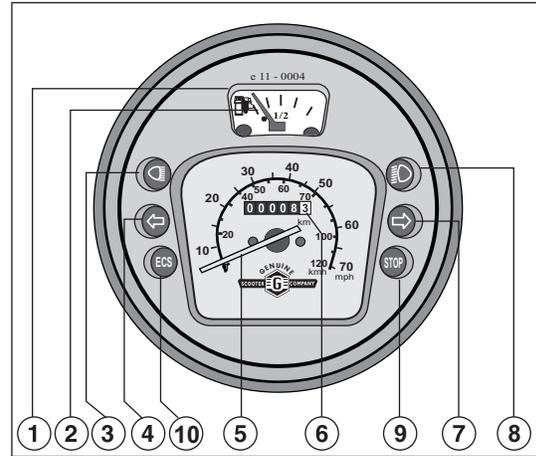


Fig. 12

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### 3. CONTROL SWITCHES: Control switches are located on the right and left hand sides of the handlebar.

#### 3.1 Right hand side of the handlebar (Fig. 13).

- 3.1.1 **Turn indicator switch** : Press left hand end of switch (2) for turning left and right hand end for turning right.

Left & right turn indicators are shown on the instrument panel.

- 3.1.2 **Kill Switch**: Press switch (1) to stop the engine.

- 3.1.3 **Stop Light** – Becomes operative when hand brake lever is pressed.

- 3.1.4 **For Auto start model only**: Press push button switch (3) for auto start only after pressing either one of the two front / rear brake lever.

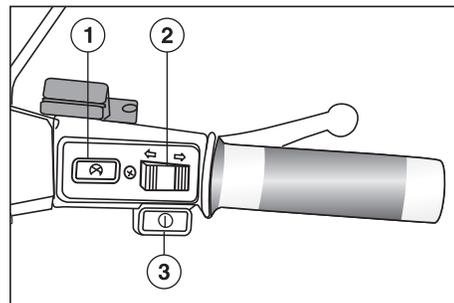


Fig. 13

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**4. ACCELERATOR CONTROL**

Located on the right hand side of the handlebar. It is a twist grip. For increasing acceleration rotate the twist grip towards yourself. Do the reverse for decreasing acceleration (Fig. 15)

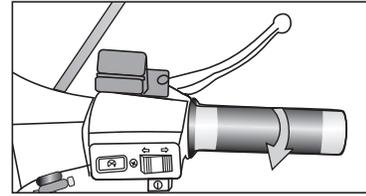


Fig. 15

**5. BRAKES:** There are two brakes operated by hands. Both brakes should be applied simultaneously for most effective braking.

5.1 **Rear Brake:** Operates on the rear wheel. Press hand brake lever towards the handle grip to apply the brake (Fig. 16).

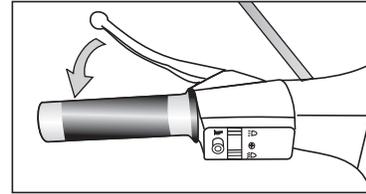


Fig. 16

5.2 **Front Brake:** Operates on the front wheel. Press hand brake lever towards the twist grip to apply the brake (Fig. 17).

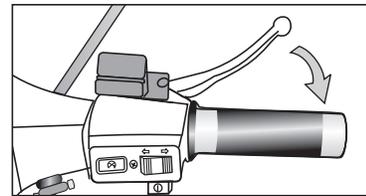


Fig. 17  
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**VEHICLE IDENTIFICATION**

The vehicle is identified by a number on the chassis and another number on the engine.

The chassis identification number is stamped inside the glove compartment on upper chassis as shown in (Fig. 24).

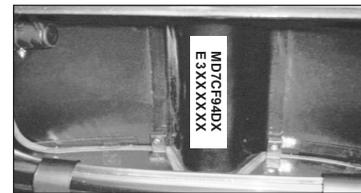


Fig. 24

The engine number is stamped on the crank case (Fig. 25).

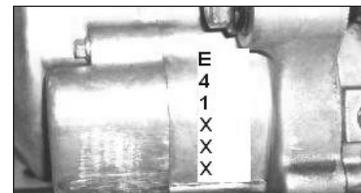


Fig. 25

Every **STELLA AUTOMATIC** has a spare set of keys. An identification number is punched on metallic tag, which is provided along with the key ring (Fig. 26).

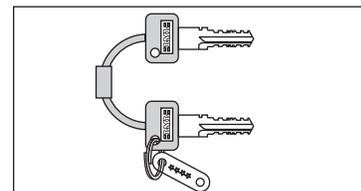


Fig. 26

Please keep your duplicate key carefully along with the metallic tag.

**6. HOOK FOR BAG:** There is a hook for hanging a bag under the seat (Fig. 18).

**7. FUEL SUPPLY**

7.1 The fuel tank is located under the seat (Fig. 19) and is accessible only when the seat is unlocked and lifted. For filling in petrol unscrew the cap and close it after refuelling.

7.2 The refueling of petrol should be done before reaching empty fuel indication provided in fuel gauge, provided in the instrument panel.

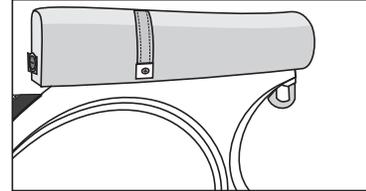


Fig. 18

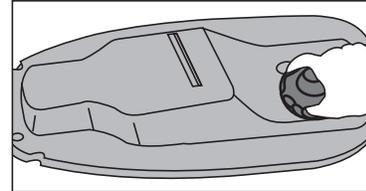


Fig. 19

**ELECTRONIC CONTROL UNIT (ECU)**

The vehicle is fitted with Electronic Control Unit (Fig. 20). Electronic Control Unit is the brain of the vehicle. This small device takes readings from all of the vehicle's electronic sensors [(TPS sensor (Fig. 21), Lamda sensor (Fig. 22), Engine Temperature sensor (Fig. 23)] and interprets the vehicle's needs. In order to operate at the peak fuel mileage and performance, the electronic control unit makes continual adjustments to the engine's fuel delivery circuits as well as the ignition timing to provide the proper air and fuel mixture being ignited at the optimal time in the combustion chamber. This ensures the vehicle is operating at the utmost peak power and economy level possible.

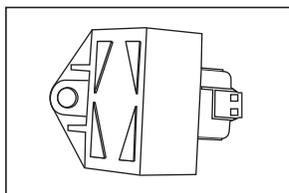


Fig. 20

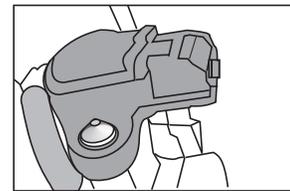


Fig. 21

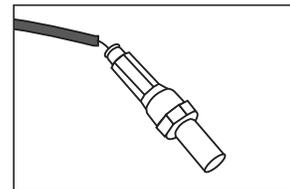


Fig. 22

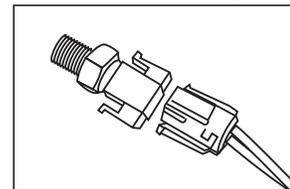


Fig. 23

## 1. CHECKS

Before using the vehicle, check :

1. Petrol in fuel tank.
2. Engine oil level.
3. That tyres are properly inflated.
4. Correct functioning of headlights, rear tailight and turn indicators.
5. Correct functioning of the front and rear brakes.

## 2. TYRE PRESSURE

### CAUTION

Tyre Pressure should be checked when tyres are cold. Incorrect tyre pressure causes abnormal tyre wear and makes riding dangerous.

Tyres must be replaced when the tread reaches the wear limits.

Front tyre pressure - 17 PSI (1.2 Kg/Cm<sup>2</sup>)

Rear tyre pressure - 25 PSI (1.8 Kg/Cm<sup>2</sup>)  
- 35 PSI (2.5 Kg/Cm<sup>2</sup>)  
(with pillion rider)

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## Difficult start up

### DIFFICULT START UP

Possible causes for engine starting difficulties and suggested actions.

#### 1. Flooded engine :

Follow the same sequence of operations described above. Twist the throttle grip completely and press the starter button "A" 5-6 time. In any case do not persist for too long with the starter motor in the attempt to start the engine (only 5 second each time).

#### 2. Overheated engine.

Follow the same sequence of operations keeping the throttle grip slightly twisted.

If the vehicle fails to start even after carrying out the steps described above contact an **Authorised Service Centre.**

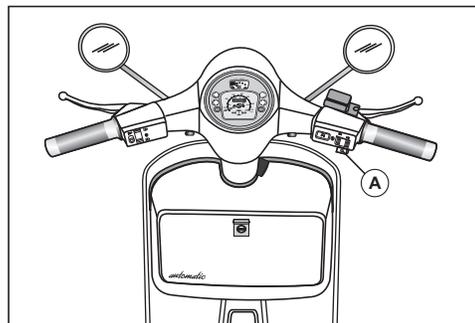


Fig. 28

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## RUNNING IN

### WARNING

During the first 620 miles do not ride the vehicle over 80% of its maximum speed. Avoid twisting the throttle grip fully or keeping a constant speed along long sections of road. After the first 620 miles, gradually increase speed until reaching the maximum performance.

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### Starting up the engine

### STARTING UP THE ENGINE

The vehicle is fitted with automatic transmission and a centrifugal clutch. Therefore always start the engine with the throttle at idle speed; to start-off from stationary position, progressively twist the throttle grip.

The vehicle is equipped with a vacuum operated fuel pump which start automatically as soon as the engine is started.

In order to start the engine, it is necessary to :

1. Rest the scooter on its centre stand & check that the rear wheel is off the ground.
2. Keep the throttle closed.
3. Insert the key into the ignition switch "D", and turn to the "ON" position.
4. Push the starter button "A" after pulling the rear brake lever "B" or the front brake lever "C".

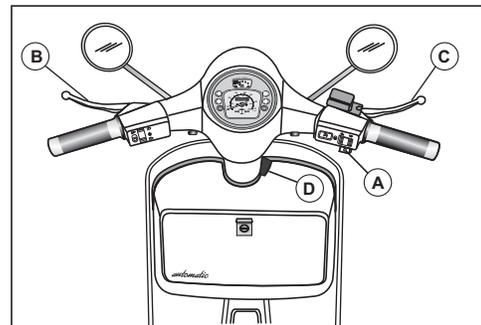


Fig. 27

### Precautions :

#### Caution :

*Never stress the engine at low temperatures in order to avoid possible damage. Be careful, never to exceed the maximum speed while running downhill, in order to avoid damaging the engine.*

#### Warning :

*After a long distance covered at the maximum speed, do not stop the engine immediately, but let it run at idle for a few seconds.*

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## STOPPING THE ENGINE

Stop acceleration, then turn the key switch "D" to "OFF" to stop the engine (extractable key).

## Automatic transmission

To ensure simple, pleasurable riding, the vehicle is equipped with automatic transmission and a centrifugal clutch. The system is designed to give the best possible performance in terms of both acceleration and consumption, on level ground and uphill, thanks to the adjustments made to engine speed and transmitted torque.

If you have to stop on an uphill slope (traffic lights, traffic jam etc.) only use the brake to keep the vehicle still, leaving the engine running at idling speed. Using the throttle periodically to keep the vehicle still can cause the clutch to overheat due to the friction of the clutch parts on the clutch bell.

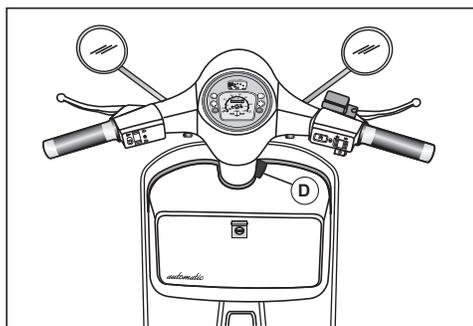


Fig. 29

Following precautions are recommended to avoid prolonged clutch slippage leading to clutch overheating.

1. Do not continue riding in such conditions.
2. Let the clutch cool down with the engine at idling speed for a few minutes.

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## Maintenance

### 1.2 Engine oil top-up

Always check oil level before carrying out top-ups and add oil **without exceeding the MAX level**. An engine oil check-up and top-up should be carried out every 1,000 km at an **Authorised Service Centre**.

### 1.3 Engine oil change

Oil (**10W-40**) must be changed and filter replaced at an **Authorised Service Centre** (as indicated in the Scheduled Maintenance Table). The engine should be emptied by draining the oil from the drainage plug "B" on the flywheel side. In order to facilitate oil drainage loosen the cap/dipstick "A". Since a certain quantity of oil remains in the circuit still, the top-up should be carried out from the cap "A".

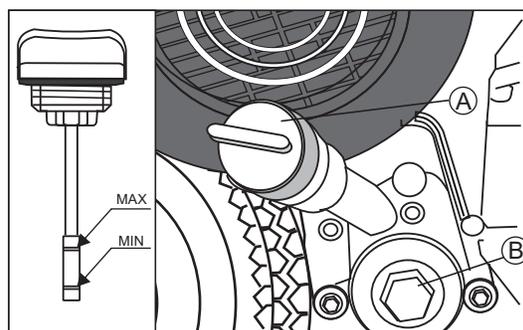


Fig. 30

Then start up the scooter, leave it running for a few minutes and switch it off. After about five minutes check the level and if necessary top up **without exceeding the MAX level**.

The filter must be replaced every time the oil is changed. For top-ups and changes use new oil of the recommended type.

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## SAFE DRIVING

Some tips are provided below for safer driving

1. Always use a helmet while driving.
2. Make yourself familiar with the driving signs and regulations.
3. Drive at a speed at which you are in complete control of the scooter.
4. Reduce speed and drive cautiously on uneven roads.
5. Use horn and indicators whenever required.
6. Remember that after riding on a long stretch of wet road without using the brakes, the braking effect is initially lower. Given these conditions, it is a good idea to operate the brakes from time to time.
7. Do not brake hard on a wet surface, on dirt tracks or on any slippery road surface.
8. If you have to brake, use both brakes in order to divide the braking action between both wheels.
9. Avoid starting off by mounting the vehicle while it is resting on its stand, otherwise vehicle will start abruptly due to contact of rear wheel with the ground.
10. Always drive within your limits.

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## Maintenance

### 1. ENGINE OIL LEVEL

In 4T engines, engine oil (**10W-40**) is used to lubricate the distribution elements, main bearings and thermal group. **An insufficient quantity of oil can seriously damage the engine.**

#### 1.1 Engine oil level check

Every time the scooter is used, a visual check should be made on the level of the engine oil when the engine is cold. The oil level should be somewhere between the MAX and MIN index marks on the dipstick, the check must be made with the scooter upright resting on the centre stand.

If the check is carried out after the vehicle has been used, and therefore with a hot engine, the level line will be lower. In order to carry out a correct check wait at least 10 minutes after the engine has been stopped so as to get the correct level.

#### Caution :

*Running the engine with insufficient lubrication or with the wrong lubricants may increase wear and tear on the moving parts and may cause serious damage.*

## 2. GEAR BOX OIL LEVEL

1. Park the vehicle on level surface.
2. Remove the left hand side cowl.
3. For checking the oil level, unscrew plug (A).
4. Check the level of oil. Oil should be at level with the bottom end of the hole.
5. In case there is less oil, refill the oil to the correct level (**100 ml. gear oil 80W-90**).
6. Screw back the plug (A).
7. Wipe off any excess oil which may have been spilled.
8. Refit the cowl.

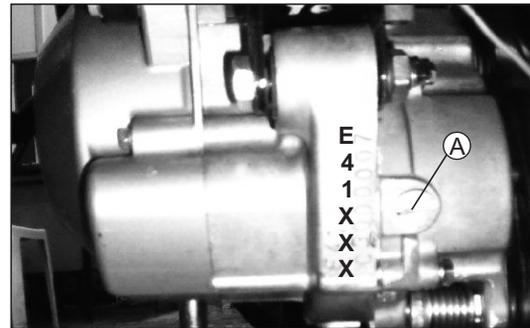


Fig. 31

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## 4. REMOVING THE AIR CLEANER ELEMENT

1. Remove LH cowl.
2. Remove the screws "A" and take out the air cleaner box cover "1".
3. Remove the air cleaner element "2"
4. Inspect the air cleaner element for clogging.
5. Using compressed air, blow the dust from the cleaner element.

### Caution :

*Always apply compressed air to the inside of the air cleaner element. If compressed air is applied to the outside, dirt will be forced into the pores of the air cleaner element, restricting air flow through the cleaner element.*

- Reinstall the cleaned or new air cleaner element, air cleaner box cover & LH cowl in the reverse order of removal.

### Caution :

1. Inspect the air cleaner element for tears. A torn element must be replaced.
2. If driving under dusty conditions, clean the air cleaner element more frequently.

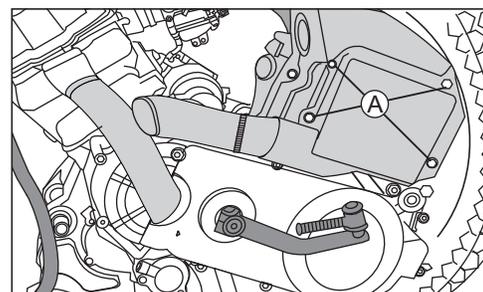


Fig. 36

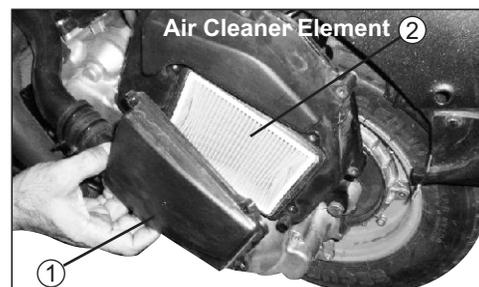


Fig. 37

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### 3. SPARK PLUG CLEANING

In order to clean the spark plug follow the operation described when the engine is cold.

1. Remove cover under seat "A" (Fig. 32).
2. Remove cover "C" (Fig. 33).
3. Pull out noise suppressor cap "E" (Fig. 34).
4. Using the box spanner, unscrew the spark plug.
5. Clean out any excessive carbon deposit.
6. Refix the spark plug back to its position.

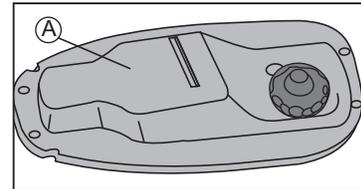


Fig. 32

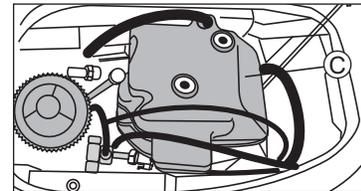


Fig. 33

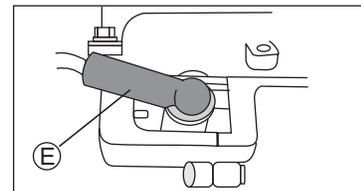


Fig. 34  
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To refit, repeat the procedure in reverse order using the spanner to insert the spark plug or to tighten it in its seat. Care should be taken to installing and fixing it with correct inclination.

If you have a feeler gauge, you can check the gap between the electrodes in the spark plug. This gap should be 0.7-0.8 mm (fig. 35).

To adjust the gap again, it is better to go to an authorised assistance centre.

#### WARNING

The spark plug must be removed when the engine is cold. The use of a spark plug with thermal grade or thread other than the indicate type can seriously damage the engine. Replace spark plugs at the intervals indicated in the scheduled maintenance table.

#### N.B.

Using spark plugs other than the indicated type or shieldless spark plug caps can cause electrical system failures.

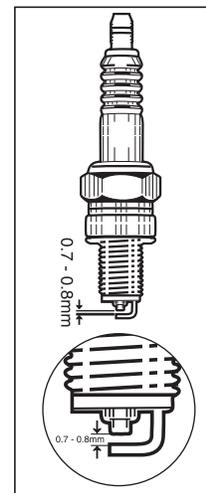


Fig. 35

## 5. CHECKING THE BRAKE OIL LEVEL

Disc brake is fitted in front wheel (Fig. 38).

The disc brake functions on hydraulic system. Maintaining correct level of brake fluid in the 'master Cylinder Assy.' is very essential for proper functioning of brake.

Check the level of brake fluid in the Master Cylinder located on the RH side of the handle bar (Fig. 39), which should never be lower than the 'MIN.' mark on the transparent level indicator provided in Master Cylinder.

If the fluid level is found low, approach the nearest authorised Service Station for topping up.

Under normal climatic conditions, it is advisable to change the brake fluid every 7446 miles. or every 2 years.

### **Precautions:**

*Level of fluid in the Master Cylinder must never be lower than the 'MIN' mark.*

*Use recommended brake fluid (**Fiat Tutela DOT 3 or DOT 4 / Mobil Super Heavy Duty brake fluid**). Brake fluid is highly corrosive. Avoid contact with painted parts.*

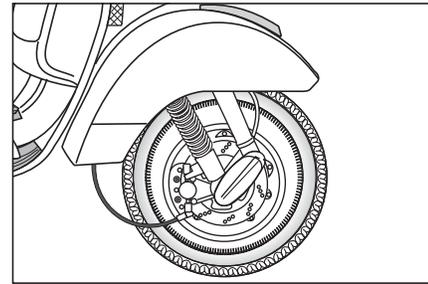


Fig. 38

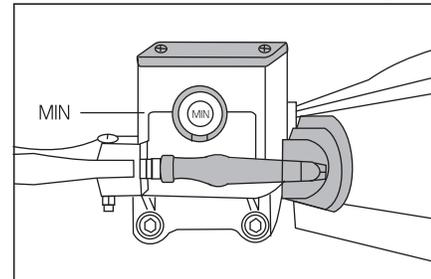


Fig. 39

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### 6.3 Installation:

- 6.3.1 Clean the battery box.
- 6.3.2 Clean the battery thoroughly from the outside.
- 6.3.3 Put the battery in the battery box.
- 6.3.4 Connect the fastener belt first to the lower hook, then hold the battery firmly with one hand, stretch the belt and fasten it in the upper hook. Recheck if the battery is fastened firmly (Fig. 42).
- 6.3.5 Refix battery bleeder tube and ensure that it is routed properly through its clamp.
- 6.3.6 Fix the "Positive" (+) terminal first and then the "Negative" (-) terminal.
- 6.3.7 Make sure the battery cable does not touch any metallic surface during fitment.

- 6.3.8 Ensure, Protection cap provided on battery harness is fixed properly on positive (+) terminal of battery.

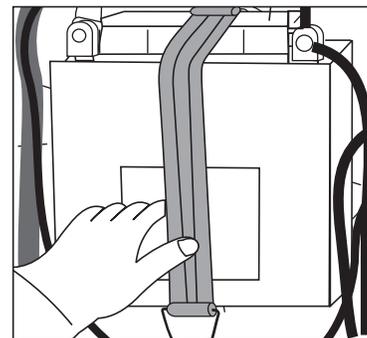


Fig. 42

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## 6. BATTERY CHECKING

Battery requires regular and through maintenance as advised below :

- 6.1.1 Connection must be made in the right polarity.
- 6.1.2 The top of the battery must be kept clean and dry. Vaseline should be applied to cable clamps and terminals. Never apply grease. Terminal corrosion, dirt and moistures cause loss of power and make the battery weak.
- 6.1.3 Recharging is needed when the Horn is weak / lights are dim. Recharging would also be required when the vehicle is left idle for more than 2-3 weeks.

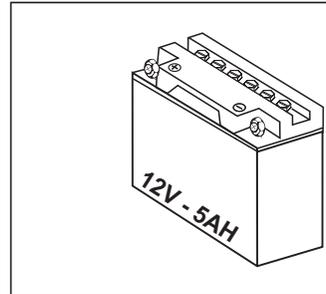


Fig. 40

### Caution:

1. Battery should be removed if the vehicle is to be washed lying on its side.
2. Use only 8 Amp fuse to prevent serious damage to the wiring harness & battery. Ignition switch should be in "off" position while replacing fuse.

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## 6.2 Removal and refitting the battery

- 6.2.1 Turn the ignition key to "off" position.
- 6.2.2 Remove the right hand side cowl.
- 6.2.3 Remove the screw securing ground cable (black) connected to the negative (-) battery terminal by using the end of the screw driver from your tool kit. (Fig. 41)
- 6.2.4 Similarly follow the procedure for removing the red cable connected to the positive (+) battery terminal.
- 6.2.5 Remove the battery.
- 6.2.6 Detach the fastener belt and take out the battery.

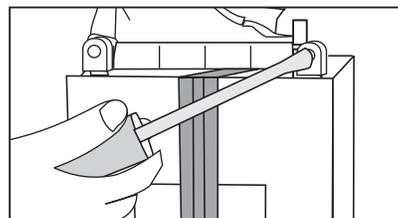


Fig. 41

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**6.4 Storage of battery while not in use**

- 6.4.1 Keep the battery fully charged.
- 6.4.2 Take battery out of the vehicle and store it in a dry, cool place and at a constant temperature.
- 6.4.3 Keep battery away from rain, dew, high moisture and direct sunlight.
- 6.4.4 The battery should be charged once a month when the vehicle is not in use.
- For initial charging, the battery must be charged at least for 7 hours.
  - Always go to the authorised assistance centre for battery maintenance and charging the battery.

**7. FUSE**

The electrical system is protected by a 8 A fuse "A" located next to the battery.

**Caution :**

*Before replacing a blown fuse, find and solve the failure that caused it to blow. Never try to replace the fuse with any other material (e.g. A piece of electric wire).*

*Periodical Maintenance by Authorised Service Dealer*

NR.	Item	Check or maintenance jobs	0 Miles Pre-delivery	310 miles	1860 miles	3720 miles	5580 miles	7440 miles	9300 miles	11160 miles	13020 miles	14880 miles	16740 miles	18600 miles
5	Spark Plug	Check/ Replacement		C	C	C	C	S	C	C	C	S	C	C
6	Air Filter and its elements	Clean/ Replacement		P	P	S	P	S	P	S	P	S	P	S
7	Fuel Circuit Pipes	Check/ Replacement	C	C	C	C	C	S	C	C	C	S	C	C
8	Fuel Filter	Check/ Replacement		C	C	S	C	S	C	S	C	S	C	S
9	Check Emission Level	Check/ Adjust		C	C	C	C	C	C	C	C	C	C	C
10	Valves Clearance	Check/ Adjust		C		C		C		C		C		C
11	Nut Fixing Head Cylinder	Check/ Tightened	C	C	C	C	C	C	C	C	C	C	C	C

**8. CLEANING & POLISHING:**

Frequent and thorough cleaning of your scooter will further enhance its appearance and extend its life.

- 8.1 The scooter should be cleaned at ambient temperature i.e., not immediately after use or in hot sun.
- 8.2 Use a low pressure water hose for cleaning the vehicle.
- 8.3 Wipe it, clean and dry with soft cloth.
- 8.4 Do not use detergents or powders which are likely to leave scratches on the surface.
- 8.5 For polishing, use normal car polish and rub with soft cloth.

**9. CARE OF YOUR VEHICLE WHEN NOT IN USE FOR LONG PERIODS**

If you are not going to use your vehicle for more than two months then you should store it properly as per the following advices.

- 9.1 With the help of a pipe, syphon out the petrol from the fuel tank.
- 9.2 Start the engine for some time and exhaust the petrol in the carburettor.
- 9.3 Remove the spark plug and put a few drops of Engine Oil in the spark plug hole. Press the kick lever a couple of times. Refix the spark plug.
- 9.4 Clean the vehicle thoroughly and apply antirust grease on all unpainted metallic parts.
- 9.5 Raise the wheels off the ground by placing wooden planks and deflate the tyres so that they do not touch the floor.
- 9.6 Cover the scooter.

*Periodical Maintenance by Authorised Service Dealer*

**PERIODICAL MAINTENANCE TO BE CARRIED OUT BY AN AUTHORISED ASSISTANCE CENTRE**

**Preventive Maintenance:**

To obtain the best performance from your **STELLA AUTOMATIC** it is important to carry out periodical maintenance on your vehicle. The following table gives the suggested action for different items of maintenance and their periodicity.

**Code of suggested action is:**

NR.	Item	Check or maintenance jobs	0 Miles Pre-delivery	310 miles	1860 miles	3720 miles	5580 miles	7440 miles	9300 miles	11160 miles	13020 miles	14880 miles	16740 miles	18600 miles	
1.	Engine Oil	Filling	R												
		Replacement		S	Check level every 620 miles and top up if required. Replace every 1860 miles or every 1 year.										
2.	Gear Box Oil	Check/ Replacement		S	C	C	C	S	C	C	C	S	C	C	
3.	Engine Oil Filter	Replacement		S	Replace every 1860 miles or every 1 year.										
4.	Engine Oil Filter Screen	Clean		P	P	P	P	P	P	P	P	P	P	P	

Periodical Maintenance by Authorised Service Dealer

NR.	Item	Check or maintenance jobs	0 Miles Pre-delivery	310 miles	1860 miles	3720 miles	5580 miles	7440 miles	9300 miles	11160 miles	13020 miles	14880 miles	16740 miles	18600 miles
12	Chain & Chain Tensioner	Check/ Replacement				C		C		S		C		C
13	Chain Guide	Check/ Replacement				C		C		C		C		C
14	Electrical System	Check	C	C	C	C	C	C	C	C	C	C	C	C
15	Battery	Check	C	C	C	C	C	C	C	C	C	C	C	C
16	Front Brake System	Check/ Replacement	C	C	C	C	C	C	C	C	C	C	C	C
Replace brake oil every 7440 miles or every 2 years														
17	Rear Brake System	Check/Adjust Replacement	C	C	C	C	C	C	C	C	C	C	C	C
18	Sliding Block Variable Speed Roller	Check/ Replacement				C		S		C		S		C

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Technical Specifications

**TECHNICAL SPECIFICATIONS**

**Dimensions**

Overall length : 68.64 inch 1760 mm  
 Overall width : 27.11 inch 695 mm  
 Wheel base : 49.14 inch 1260 mm  
 Maximum road clearance : 6.24 inch 160 mm  
 Seat height : 31.98 inch 820 mm

**Weights**

Vehicle kerb weight (with 90% fuel) : 246.49 lbs 112 kgs.  
 Maximum technically permissible mass : 595 lbs 270 kgs.

**Engine**

Displacement : 125 cc  
 Bore : 2.23 inch 57 mm  
 Stroke : 1.91 inch 49 mm  
 Compression ratio : 9.0 ± 0.5 : 1  
 Idling speed : 1250 ± 100 RPM  
 Maximum output/Power : 9.1 bhp ± 0.25 bhp at 8000 ± 200 RPM  
 Maximum torque : 8.7 Nm at 6000 RPM

**Transmission**

Clutch : Self ventilating dry-centrifugal clutch  
 Transmission : CVT - variator  
 Primary reduction : 2.39 ~ 0.67  
 Secondary reduction : 10.36

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Periodical Maintenance by Authorised Service Dealer

NR.	Item	Check or maintenance jobs	0 Miles Pre-delivery	310 miles	1860 miles	3720 miles	5580 miles	7440 miles	9300 miles	11160 miles	13020 miles	14880 miles	16740 miles	18600 miles
19	Clutch housing & shoes	Check/Replacement					C			C			C	
20	Drive Belt	Check/Replacement			C	C	C	C	S	C	C	C	C	S
21	Accelerator Command	Check/Adjust	C	C	C	C	C	C	C	C	C	C	C	C
22	Steering Column Rings	Check/Adjust	C	C	C	C	C	C	C	C	C	C	C	C
23	Security Tightened Nuts, Bolts and Screw	Check/Tightened	C	C	C	C	C	C	C	C	C	C	C	C
24	Central Stand	Check	C	C	C	C	C	C	C	C	C	C	C	C

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Periodical Maintenance by Authorised Service Dealer

NR.	Item	Check or maintenance jobs	0 Miles Pre-delivery	310 miles	1860 miles	3720 miles	5580 miles	7440 miles	9300 miles	11160 miles	13020 miles	14880 miles	16740 miles	18600 miles
25	Oil Pump Functioning	Check	C	C	C	C	C	C	C	C	C	C	C	C
26	Clean Crank Case Breather Tube	Check/Clean	C	C	C	C	C	C	C	C	C	C	C	C
27	Rear/Front Damper	Check	C	C	C	C	C	C	C	C	C	C	C	C
28	Wheels/Tires	Check/Replacement	C	C	C	C	C	C	C	C	C	C	C	C

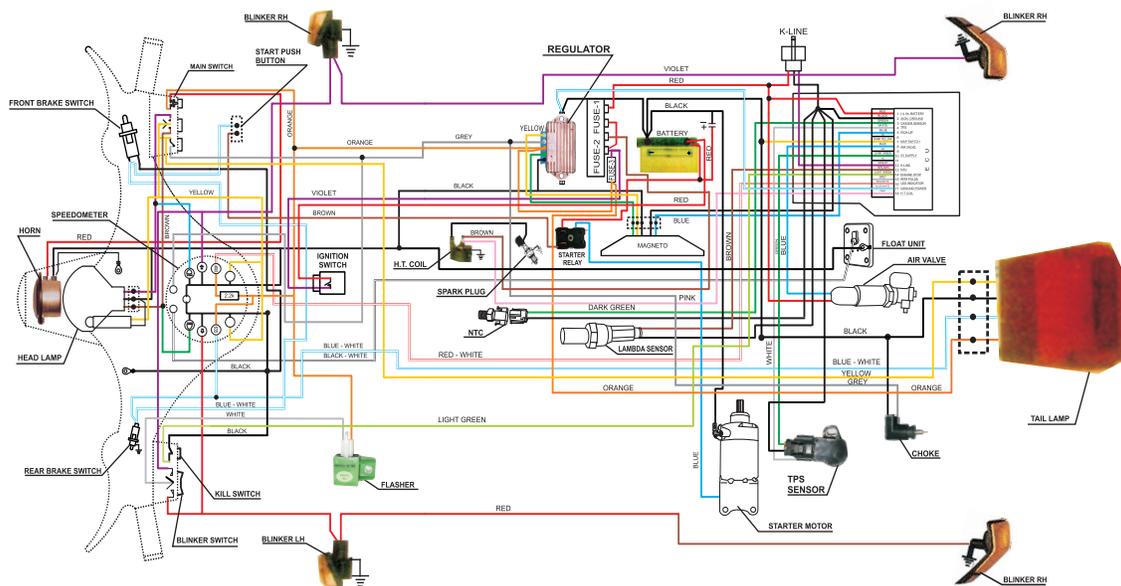
C : Check/Adjust  
P : Clean/Lubricate  
S : Replacement  
R : Filling  
I : Inspect & clean

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Final reduction	: 24.76 ~ 6.94
Drive system	: V-belt drive
Ignition system	: Engine Controlled Unit (ECU) controlled
Oil pump type	: Trochoidal
Oil filtration system	: By strainer & paper element filter
Air filtration	: By paper element
Cooling system	: Forced air cool
<b>Fuel</b>	: Petrol 87 Octane & Above
Fuel tank capacity	: 1.85 US Gallon
<b>Spark Plug</b>	: <b>RG4HC - Champion</b> <b>VHR3CC - MICO BOSCH</b> <b>CR8EH9 - NGK</b>
Starting	: Kick start / Electric start
<b>Chassis</b>	: Pressed steel sheet and rear tubular framed structure covered by sheet metal shell assembly.
<b>Steering column and suspension</b>	: The steering column is pivoted at the front wheel swinging hub
<b>Front and rear suspension</b>	: Front and rear suspension with hydraulic dampers and helical spring.
<b>Brakes</b>	:
Front brake	: Disc brake (Hand operated)
Rear brake	: Drum brake, mechanical expanding shoe type (Hand operated)

<b>Tyres</b>	
Front and rear tyres	: 89x251 mm (3.50 x 10), 4 ply rating, interchangeable
<b>Tyre pressure</b>	
Front wheel	: (17 psi) 1.2 kg/cm <sup>2</sup>
Rear wheel	: (25 psi) 1.8 kg/cm <sup>2</sup> 2.5 kg/cm <sup>2</sup> (35 psi) with pillion rider
<b>Controls</b>	
Steering	: Handle Bar
Accelerator	: Twist grip type on right hand side of the handle bar
Front brake	: Lever operated by right hand
Rear brake	: Lever operated by left hand
<b>Electricals</b>	
Generator system	: 12 Volt 96 Watt
Head lamp	: 12 Volt 35/35 Watt - Halogen bulb
Parking lamp	: 12 Volt 5 Watt
Tail light bulb	: 12 Volt 5 Watt
Stop light bulb	: 12 Volt 10 Watt
Speedo light bulb	: 12 Volt 1.2 Watt x 2
Turn signal light bulb	: 12 Volt 21 Watt Amber
Tell Tale light bulb	: 12 Volt 1.2 Watt x 6
Horn	: 12 Volt DC Horn
Battery	: 12 Volt 5 Ah
Fuse	: 8 Amp, 5 Amp & 1 Amp
<b>Maximum speed</b>	: 92 ± 5 kms/hr.

## WIRING DIAGRAM





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