PREFACE

Thank you for selecting a HMCL Niloy Bangladesh Ltd. **SPLENDOR+.** We wish you many miles of continued riding pleasure in the years ahead.

We at HMCL Niloy Bangladesh Ltd., are committed to demonstrate excellence in our environment performance on a continual basis, as an intrinsic element of our corporate philosophy. To achieve this we commit ourselves to continue product innovations to improve environment compatibility, comply with all applicable environment legislation and strengthen the green supply chain.

This booklet is your guide to the basic operation and maintenance of your new HMCL Niloy Bangladesh Ltd. **SPLENDOR+.** Please take time to read it carefully. As with any fine machine, proper care and maintenance are essential for trouble-free operation and optimum performance.

Authorised Distributor or the authorised dealer(s) of the Distributor **("Dealer")** will be glad to provide further information or assistance and to handle your future service needs.

Let us make this world a safer, healthier and more environment friendly place.

NOTE

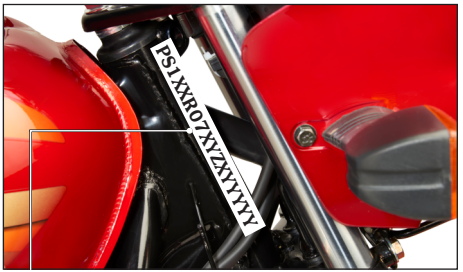
ALL INFORMATION, ILLUSTRATION, PHOTOGRAPH, DIRECTIONS, SPECIFICATIONS AND OTHER CONTENTS COVERED IN THIS OWNER'S MANUAL ARE BASED ON THE LATEST PRODUCT INFORMATION AVAILABLE AT THE TIME OF ITS PRINTING APPROVAL, AND THE ACCURACY OR CORRECTNESS OF THE SAME IS NOT UNDERTAKEN OR GUARANTEED.

HMCL Niloy Bangladesh Ltd. ***RESERVES THE RIGHT TO MAKE CHANGES IN ITS CONTENTS AT ANY TIME WITHOUT NOTICE AND/OR INCURRING ANY OBLIGATION, WHATSOEVER. NO ONE IS ALLOWED TO REPRODUCE ANY PART OF THIS PUBLICATION WITHOUT OBTAINING PRIOR WRITTEN PERMISSION FROM*** HMCL Niloy Bangladesh Ltd.

CONTENTS

	Pg. No.
VEHICLE IDENTIFICATION	1
VEHICLE VIEWS	2
VEHICLE SPECIFICATION	5
ACCESSORIES & MODIFICATIONS	7
ANTI-THEFT TIPS	7
VEHICLE SAFETY	8
• Important safety information	8
• Protective apparel	9
SAFE RIDING TIPS	10
TIPS FOR HEALTHY ENVIRONMENT	11
PARTS FUNCTION	12
• Ignition switch	12
• Instruments & Indicators	13
FEATURES	14
• Steering lock	14
HANDLEBAR SWITCHES CONTROL	14
• i3s (Idle stop start system)	15
• Fuel tank	16
• Fuel valve	17
PRE-RIDE INSPECTION	19
STARTING THE ENGINE	20
RIDING	21
BRAKING	21
PARKING	22
UTILITY BOX	22
TOOL KIT	22
CLEANING AND WASHING OF VEHICLE	23
MAINTENANCE	23
• Importance of maintenance	23
• Maintenance safety	24
• Safety precaution	24
• Maintenance schedule	25
• Spark plug inspection	28
• Engine oil	28
• Engine oil level inspection/Top up process	29
• Engine oil replacement/Oil circulation inspection	29
• Oil filter screen & Centrifugal filter cleaning	30
• Air cleaner	31
• Carburetor (idle speed adjustment)	33
• Throttle controlled ignition system (TCIS)	33
• Valve clearance adjustment	34
• Clutch lever free play adjustment	35
• Throttle operation & free play adjustment	36
• Drive chain slackness adjustment	36
• Drive chain slider inspection	39
• Brakes	39
• Suspension	41
• Wheel	42
• Main/Side stand lubrication	43
• Tyre	44
• Nuts, bolts & fastners	46
• Battery	46
• Fuse replacement	49
• Stop lamp switch	50
• Headlamp focus adjustment	50
• Catalytic converter	51
• Evaporative emission control	51
POLISHING OF VEHICLE	51
BASIC TROUBLESHOOTING	52
DELIVERY CERTIFICATE	
GENUINE PARTS	
JOBS APPLICABLE TO PERIODIC SERVICES	
SERVICE RECORD SHEET	
SERVICE ADVICE SHEET	
OWNERSHIP RECORD & DATA	

VEHICLE IDENTIFICATION



VIN

Location : Stamped on the right side of the steering head tube.



Engine No.

Location : Stamped on the lower side of the left crankcase.

VIN: PS1XXR07XYZXYYYYY

PS1	XXR07	X	Y	Z	X	YYYYY
Manufacturer code	Vehicle Description	Check Digit	Model Year	Plant Code	Month of Manufacturing	Production Serial Number

Engine No.: XXXXAGYZXYYYYY

XXXXAG	Y	Z	X	YYYYY
Engine Description	Year of Manufacturing	Assembly Plant	Month of Manufacturing	Serial Number

Model: Splendor+

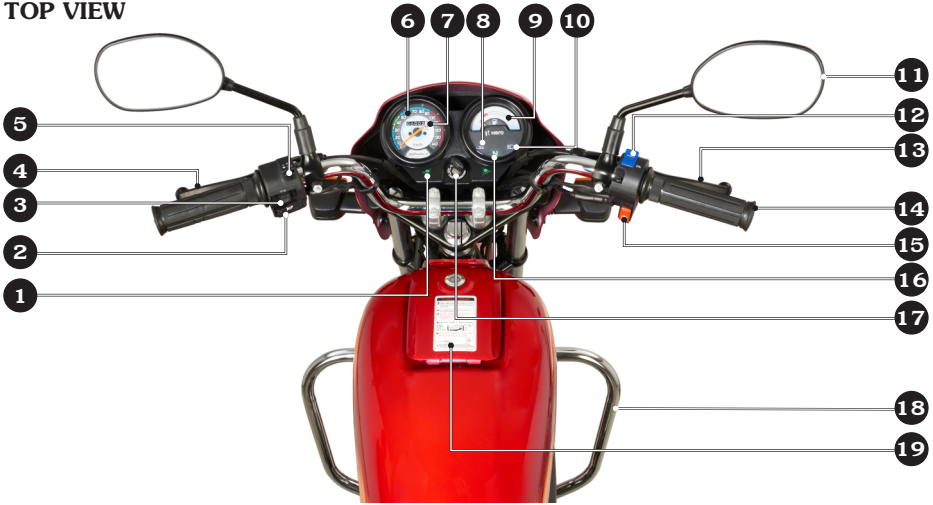
Variants	VIN	Engine
Kick start/Drum/Spoke wheel	009	AF
Kick start/Drum/Cast wheel	717	AF
Electric start/Drum/Cast wheel	R08	AG
Electric start/Drum/Cast wheel/i3s	R07	AG

VIN and Engine No. may be required:

1. During registration of the vehicle.
2. For dealing with legal & insurance departments.

TOP VIEW

VEHICLE VIEWS

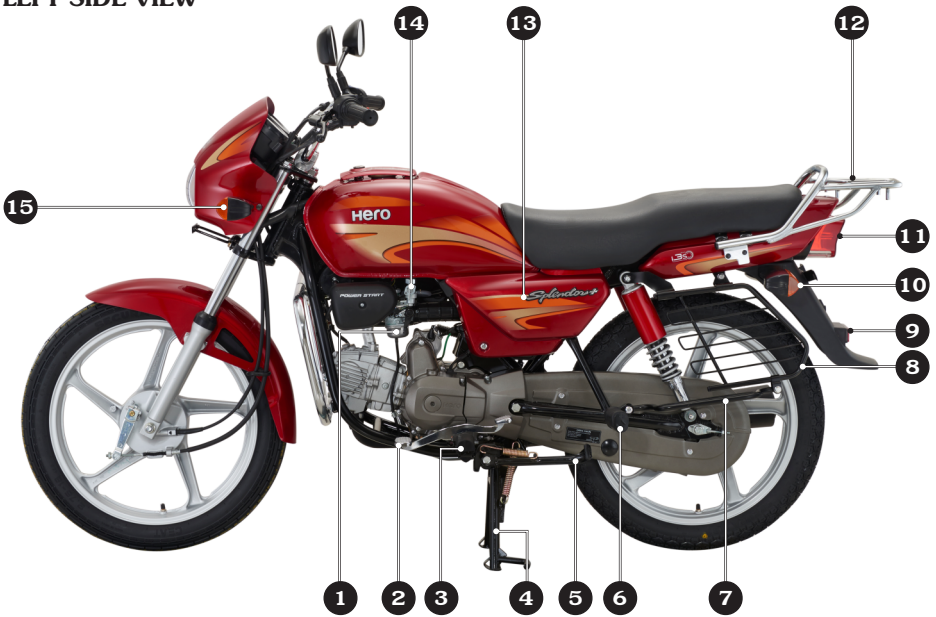


(1) Turn signal indicator
(2) Horn switch
(3) Turn signal switch
(4) Clutch lever
(5) Headlamp dimmer switch
(6) Speedometer
(7) Odometer
(8) i3s indicator (Optional)
(9) Fuel gauge
(10) High beam indicator
(11) Rear view mirror
(12) i3s switch (Optional)
(13) Front brake lever
(14) Throttle grip
(15) Electric starter switch (Optional)
(16) Neutral indicator
(17) Ignition switch with steering lock
(18) Leg guard
(19) Fuel tank lid

***Accessories and features shown may not be part of standard fitment.**

VEHICLE VIEWS

LEFT SIDE VIEW



(1) Carburetor
(2) Gear shift pedal
(3) Rider foot rest
(4) Main stand
(5) Side stand
(6) Pillion foot rest
(7) Women pillion step
(8) Saree guard
(9) Reflex reflector
(10) Rear turn signal lamp
(11) Tail/Stop lamp
(12) Rear carrier
(13) Left side cover
(14) Fuel valve
(15) Front turn signal lamp

***Accessories and features shown may not be part of standard fitment.**

VEHICLE VIEWS

RIGHT SIDE VIEW



(1) Pillion foot rest
(2) Kick start pedal
(3) Rider foot rest
(4) Oil level dipstick
(5) Rear brake pedal
(6) Utility box
(7) Front suspension
(8) Headlamp
(9) Front cowl
(10) Starter motor (Optional)
(11) Battery compartment(inside)
(12) Seat
(13) Rear suspension
(14) Exhaust muffler

***Accessories and features shown may not be part of standard fitment.**

VEHICLE SPECIFICATION

ITEM		SPECIFICATIONS
Dimensions		
Overall length		2000 mm
Overall width		720 mm
Overall height		1040 mm
Wheelbase		1230 mm
Saddle height		785 mm
Ground clearance		159 mm
Weight		
Kerb weight		109 kg (Kick Start)
		112 kg (Electric Start)
Capacities		
Engine oil		0.95 litre at disassembly and 0.75 litre at draining
Fuel tank		11.0 litres (Minimum)
Fuel reserve		1.1litres (Usable reserve)
Front fork oil		162-165 ml
Engine		
Maximum power		6.15 kW (8.36 Ps) @ 8000 rpm
Maximum torque		0.82 kgf-m (8.05 N-m) @ 5000 rpm
Bore and stroke		50.0x49.5 mm
Compression ratio		9.9:1
Displacement		97.2 cc
Spark plug		NGK-CR7HSA, BOSCH-UR4AC, Federal Mogul-P-RZ9HC
Spark plug gap		0.6-0.7 mm
Valve clearance	Intake (cold)	0.10 mm
	Exhaust (cold)	0.10 mm
Idle speed		1400±100 rpm
Chassis and suspension		
Front Suspension		Telescopic Hydraulic Shock Absorbers
Rear Suspension		Swingarm with 5 Step Adjustable Hydraulic Shock Absorbers
Caster angle		26°

VEHICLE SPECIFICATION

ITEM		SPECIFICATIONS
Tyre size	Front	2.75 x 18-42P/4 PR
	Rear	2.75 x 18-48P/6 PR
Brakes	Front (Drum type)	Dia. 130 mm
	Rear (Drum type)	Dia. 110 mm
Front Wheel		Spoke/Cast Wheel (Optional)
Rear Wheel		Spoke/Cast Wheel (Optional)
Transmission		
Primary reduction		3.722 (67/18)
Final reduction		3.143 (44/14)
Gear ratio, 1st		3.182 (35/11)
2nd		1.706 (29/17)
3rd		1.238 (26/21)
4th		0.958 (23/24)
Electricals		
Battery		Conventional Battery, 12V-2.5 Ah (Kick Start), *MF Battery, 12V-3Ah ETZ 4 (Electric Start)
Alternator		115 W
Starting System		Kick/Electric Start
Headlamp (High/Low)		12V-35/35W Halogen Bulb-**MFR
Tail/Stop lamp		12V-5/10W **MFR
Turn signal lamp		12V-10Wx4 **MFR
Meter Illumination/Fuel indicator lamp		12V-1.7Wx2
Neutral indicator		12V-1.7W
Turn signal indicator		12V-3Wx2
Position lamp		12V-3.4W
Hi Beam indicator		12V-1.7W
i3s indicator		12V-1.7W
Fuse		7A, 10A (Kick) 10A, 15 A (Electric Start)

* **MF stands for Maintenance Free**

** **MFR stands for Multi-Focal Reflector**

ACCESSORIES & MODIFICATIONS

Modifying your vehicle or using non-genuine accessories can make your vehicle unsafe. Before you consider making any modifications or adding an accessory, be sure to read the following information.

⚠ WARNING

- ***Improper accessories or modifications can cause a crash in which you can be seriously hurt or killed.***
- ***Follow all instructions in this owner's manual regarding accessories and modifications.***

Accessories

- Make sure that the accessory does not obscure any lamps, reduce ground clearance, limit suspension travel or steering travel, affect your riding position or interfere with operating any controls.
- Be sure electrical equipment does not exceed the vehicle's electrical system capacity **(page 6).** A blown fuse can cause a loss of lights.
- Do not pull a trailer or sidecar with your vehicle. This vehicle was not designed for these attachments, and their use can seriously impair your vehicle's handling.

Modifications

- We strongly advise you not to remove any original equipment or modify your vehicle in any way that would change its design or operation. Such changes could seriously impair your vehicle's handling, stability and braking, making it unsafe to ride. Removing or modifying your lamps, mufflers, emission control system or other equipment can also make your vehicle illegal.

ANTI-THEFT TIPS

- Always lock the steering and never leave the key in the ignition switch. This sounds simple but people do forgets.
- Be sure the registration information for your vehicle is accurate and correct.
- Park your vehicle in a locked garage whenever possible.
- Use an additional anti-theft device of good quality.
- Never park your vehicle in an isolated area. Park as for as possible in a designated area.
- Enter your name, address and phone number in this Owner's Manual and keep it in your vehicle at all times. Many times stolen vehicles are identified by information in the Owner's Manuals that are still with them.

NAME: _____

ADDRESS: _____

_____

_____

_____

PHONE NO : _____

VEHICLE SAFETY

Important safety information

Your vehicle can provide many years of service and pleasure if you take responsibility for your own safety and understand the challenges you can meet on the road.

There is much that you can do to protect yourself when you ride. You will find many helpful recommendations through out this manual. Following are a few that we consider most important.

Always wear a helmet

It is a proven fact, Helmet significantly reduces the number and severity of head injuries. So always wear a helmet and make sure your pillion rider does the same. We also recommend that you wear eye protection, sturdy boots, gloves and other protective gear.

Before riding your vehicle

Make sure that you are physically fit, mentally focused and free of alcohol and drugs. Check that you and your pillion are both wearing an approved vehicle helmet and protective apparel. Instruct your pillion on holding onto the grab rail or your waist, leaning with you in turns, and keeping their feet on the footrest, even when the vehicle is stopped.

Take time to learn & practice your vehicle

Even if you have ridden other vehicles, practice riding in a safe area to become familiar with how this vehicle works and handles, and to become accustomed to the vehicle's size and weight.

Ride defensively

Always pay due attention to other vehicles around you, and do not assume that other drivers see you. Be prepared to stop quickly or perform an evasive maneuver.

Make yourself easily visible

Some drivers do not see vehicles because they are not looking for them. To make yourself more visible, wear bright reflective clothing, position yourself so that others can see you, signal before turning or changing lanes, and use horn which will help others to notice you.

Ride within your limits

Pushing the limits is another major cause of vehicle accidents. Never ride beyond your personal abilities or faster than conditions demand. Remember that fatigue and negligence can significantly reduce your ability to make good judgements and ride safely.

Do not drink and ride

Riding under the influence of alcohol or drugs is dangerous. Alcohol can reduce your ability to respond to changing conditions and reduce the reaction time. Do not drink and ride.

Keep your vehicle in safe condition

For safe riding, its important to inspect your vehicle before every ride and perform all recommended maintenance. Never exceed load limits, and only use accessories that have been approved by HMCL Niloy Bangladesh Ltd. for this vehicle.

If you are involved in a crash

Personal safety is your first priority. If you or anyone else has been injured, take time to assess the severity of the injuries and whether it is safe to continue riding. Call for emergency assistance if needed. Also follow applicable laws and regulations if another person or vehicle is involved in the crash.

If you decide to continue riding, first evaluate the condition of your vehicle. If the engine is still running, turn it off. Inspect for fluid leaks, check the tightness of critical nuts and bolts, and check the handlebar, brake levers, brakes, and wheels. Ride slowly and cautiously. Your vehicle may have suffered damage that is not immediately apparent. Have your vehicle thoroughly checked at a qualified service facility as soon as possible.

Protective apparel

For your safety, we strongly recommend that you always wear a helmet which should conform as per your country standards, in addition to eye protection, boots, gloves, long pants and a long sleeve shirt or jacket whenever you ride. Take care of loose/ hanging clothes while solo/pillion riding. Although complete protection is not possible, wearing proper gear can reduce the chance of injury when you ride.

Following are suggestions to help you choose proper riding gear.

⚠ WARNING

- ***Not wearing a helmet increases the chance of serious injury or death in a crash.***
- ***Be sure you and your pillion always wear a helmet, eye protection and other protective apparel when you ride.***

Helmets and eye protection

Your Helmet is your most important piece of riding gear because it offers the best protection against head injuries. A helmet should fit your head comfortably and securely. A bright coloured helmet can make you more noticeable in traffic, as can reflective strips.

An open-face helmet offers some protection, but a full-face helmet offers more. Always were face shield or goggles to protect your eyes and help your vision.

Additional riding gear

In addition to a helmet and eye protection, we also recommend:

- Sturdy boots with non-slip soles to help protect your feet and ankles.
- Leather gloves to keep your hands warm and help prevent blisters, cuts, burns, and bruises.
- A two wheeler riding suit or jacket for comfort as well as protection. Bright coloured reflective clothing can help make you more noticeable in traffic. Be sure to avoid loose clothes that could get caught on any part of your vehicle.

SAFE RIDING TIPS

Do's:

- Always conduct simple pre-ride inspection **(page 19)**.
- Always wear a helmet with chinstrap securely fastened and insist on a helmet for your pillion rider. Helmet should conform as per safety standards applicable in your country.
- While riding, sit in a comfortable position with your legs close to fuel tank.
- Ride defensively and at a steady speed (between 40-50 km/hr).
- For stopping vehicle, use both brakes simultaneously, keeping throttle in the close position.
- During night time, dip headlamps of your vehicle for oncoming traffic, or when following another vehicle.
- Give way to others on the road and signal before you make a turn.
- To make yourself more visible, wear bright reflective clothing that fits well.
- Tightly wrap loose/hanging clothes & avoid entangling with moving parts.
- Get your vehicle serviced regularly by the Authorised Distributor/Dealer.
- Before riding make sure in which mode you are riding whether with i3s switch "ON' or "OFF".

Don't

- Never use cell phone while riding the vehicle.
- Avoid sudden acceleration, braking and turning of your vehicle.
- Never shift gears without disengaging the clutch and closing the throttle.
- Never touch any part of the hot exhaust system like muffler.
- Never ride under the influence of alcohol or drugs.
- Concentrate on the road and avoid talking to the pillion rider or others on the road.
- Do not litter the road.
- Do not cross the continuous white/ yellow line in the center of the road, while overtaking.
- Do not attach large or heavy items to the handlebars, front forks, or fenders.
- Never take your hands off the steering handle while riding.

TIPS FOR HEALTHY ENVIRONMENT

The following tips shall ensure a healthy vehicle, healthy environment, and a healthy you.

- **Healthy engine:** The engine is the lifeline of every vehicle. To keep it healthy, it should be tuned regularly, which will also help reduce pollution and improve vehicle performance & fuel efficiency.

- **Regular Servicing:** Get your vehicle serviced at an Authorised Distributor/Dealer, as per the service schedule, for an optimum performance and keep the emission level under check.

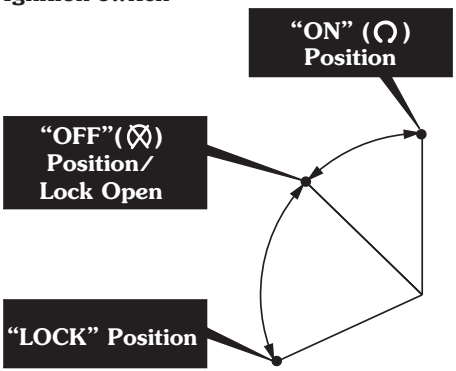
- **Genuine Spares:** Always insist on genuine parts as spurious or incompatible spares and accessories can upset or deteriorate your vehicle's running condition.

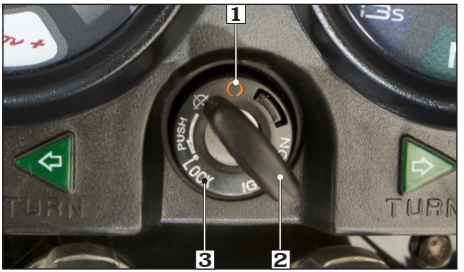
- **Genuine engine oil:** Hero 4T Plus SAE 10W 30 SJ grade (JASO MA) engine oil recommended by HMCL Niloy Bangladesh Ltd. and make sure you change it every 6000 km. (with top up every 3000 kilometres) to keep the engine fit and environment healthy.

- **Noise pollution :** Noise beyond a certain decibel is pollution. Whether it is from horns or defective mufflers, excessive noise will cause headaches and discomfort.

- **Fuel Saving & Reduce Pollution :** Switch "OFF" the engine while waiting at traffic signal points to save fuel and reduce pollution, if the waiting period is long.

PARTS FUNCTION
Ignition switch



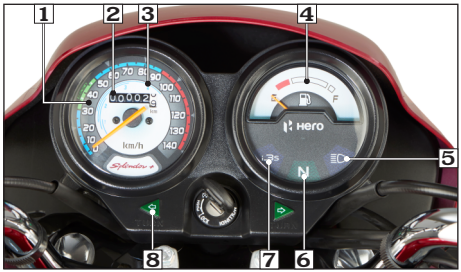


(1) Ignition switch
(2) Ignition key
(3) Steering lock position

Key Position	Function	Key Removal
"ON" (⏻)	The engine can be started. Turn signal lamp, Horn, Tail/Stop lamp, Fuel gauge will be functional.	Key cannot be removed.
"OFF" (⊗)	Engine cannot be started and no electrical system will be functional.	Key can be removed
"LOCK"	Steering can be locked	Key can be removed

Instruments and Indicators

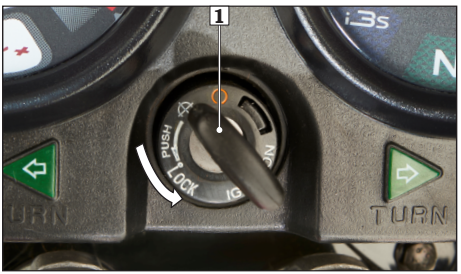
The indicators are in the speedometer panel above the headlamp. The functions are as below.



Sl. No.	Description	Function
(1)	Speedometer	Indicates driving speed.
(2)	Odometer	Shows accumulated mileage.
(3)	Gear shifting	Maximum operating speed in each gear.
(4)	Fuel gauge	Indicates approximate fuel quantity.
(5)	High beam indicator	Light glows when headlamp is in Hi Beam.
(6)	Neutral indicator	Light glows when vehicle is in neutral.
(7)	i3s indicator	Indicator glows for few seconds and turns "OFF" indicating that i3s system is functional.
(8)	Turn signal indicator	Flashes when turn signal switch is operated.

STEERING LOCK

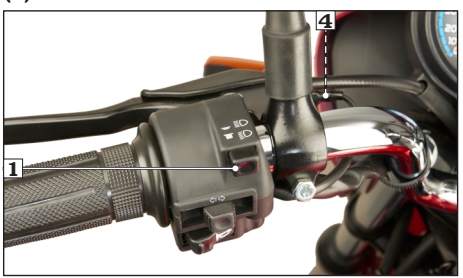
Steering lock is within the ignition switch, turn the key (1) to "OFF" position & turn the handle bar towards left or right & push the key inwards & turn towards "Lock" position. After locking, take out the key.



(1) Ignition key

HANDLEBAR SWITCHES CONTROL

(a) Left handlebar controls



(1) Dimmer switch **(4) Clutch switch**

1. Dimmer switch

Select " " for high beam and " " for low beam.

2. Turn signal lamp switch ( )

Shift the turn signal knob sideways for right/left indications and leave it to come back to its normal position on its own.

IMPORTANT : To switch "OFF" the turn signal lamp after completing the turn, gently push the knob inside.

3. Horn switch ( )

Press the switch to operate the horn.

4. Clutch Switch

(For electric start model)

There is a clutch switch provided for the safety of the rider. The vehicle cannot be started by electric starter switch until the clutch lever is operated when the vehicle is engaged in gear.



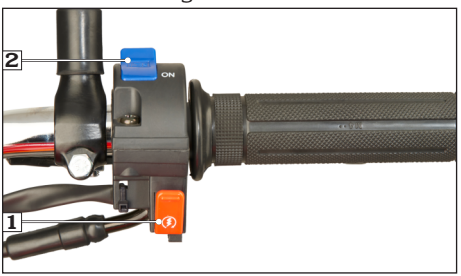
(2) Turn signal lamp switch (3) Horn switch

(b) Right handlebar controls

1. Electric starter switch ( )

(For electric start model)

Ensure starter switch (1) is operated when the vehicle is in neutral gear. If the vehicle is engaged in gear press the clutch lever before operating the starter switch. Release starter switch after the engine has started.



(1) Electric starter switch (2) i3s switch

2. i3s Switch (For i3s model)

There is an i3s switch (2) provided to enable the rider for turning i3s mode "ON" or "OFF" based on the traffic conditions.

! CAUTION

- ***Never hold electric starter switch continuously more than 5 seconds as continuous cranking of engine will drain the battery.***
- ***During electric or clutch start, the engine will cut-off if engine reaches 900 rpm if the relay is engaged for more than 5 seconds.***

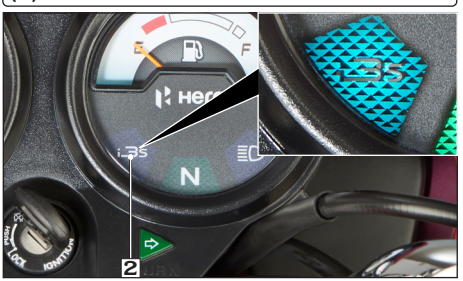
i3s (Idle stop start system) (For i3s model)

Starting & Warm up the engine:

Keep the i3s switch (1) to "OFF" position. Turn the ignition key to "ON" position. the i3s indicator (2) will glow on the speedometer console for 2 seconds and turn "OFF". Start the engine and let it idle for 2-3 minutes.



(1) i3s switch



(2) i3s indicator

NOTE

- ***The engine will stall if the i3s switch is in "ON" position during warmup.***
- ***Use choke during cold conditions.***

Initial Activation of the i3s system:

Keep the i3s switch (1) to "ON" position. Turn the Ignition key to "ON" position. The i3s indicator (2) on the speedometer console will glow for 2 seconds and turn "OFF". Start the vehicle and allow the engine to run in neutral gear position with the rpm less than 2000 rpm. The engine will cut off in 30 secs. After the first stop start every subsequent stop will be in 5 secs.

In this condition, the engine can be restarted either with kick or electric start only.

Driving with i3s Switch in "ON" position:

While driving, if the engine is kept idling (while waiting in a traffic signal), the engine will cut off in 5 secs. (The vehicle should be in neutral at less then 2000 rpm with clutch lever/throttle is in released position) By pressing the clutch lever, the engine will start again and gear can be engaged to move the vehicle.

Driving with i3s Switch in "OFF" position:

While driving in a traffic jam/or very dense traffic where the vehicle has to encounter a stop and go situation, the i3s switch can be changed to "OFF" position. Once this is done, the i3s system will not work and the vehicle will be in normal operating conditions as other vehicles and no special functions will be performed.

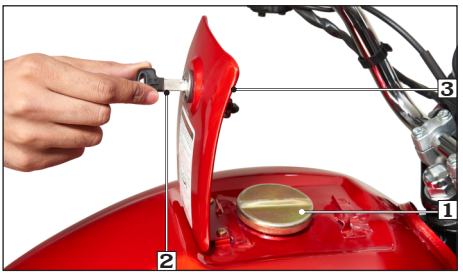
NOTE

- ***If the battery voltage is low, the i3s system will not work. The i3s indicator on the speedometer console will start to blink, if the rpm is less than 2000 rpm and the i3s indicator goes off if the rpm is more than 2000 rpm. The vehicle will be in normal operating conditions as other vehicles and no special functions will be performed.***
- ***If the vehicle is driven without battery or with the dead battery, the i3s system will not work. The i3s indicator on the speedometer console will start to glow continuously. The vehicle will be in normal operating conditions as other vehicles and no special functions will be performed.***
- ***During electric or clutch start, the engine will cut-off***
  - ***if engine reaches 900 rpm***
  - ***if the relay is engaged for more than 5 seconds.***

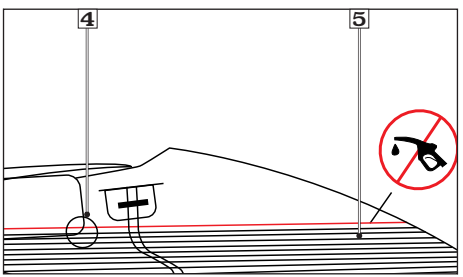
Fuel tank

- Fuel tank capacity is 11 litres (minimum) including reserve supply of 1.1 litres (usable).
- To remove the fuel tank cap (1), insert the ignition key (2), turn it anti-clockwise and lift the lid (3) as shown in the picture.
- Remove the cap by turning it anti-clockwise.
- Do not overfill the tank. There should be no fuel in the filler neck (4).

- For locking, press the lid gently and turn the key clockwise.



(1) Fuel tank cap (2) Ignition key (3) Lid



(4) Filler neck (5) Fuel

! CAUTION

Do not park the vehicle under direct sunlight as it causes evaporation of petrol due to heat and deterioration of paint gloss due to ultra violet rays.

⚠ WARNING

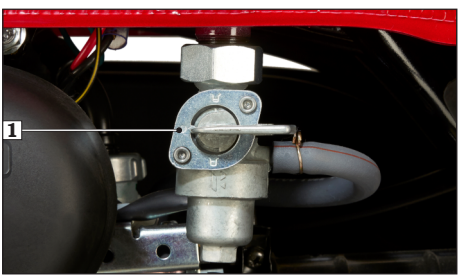
Petrol is extremely flammable and is explosive under certain conditions. Refill in a well ventilated area with the engine stopped. Do not smoke or allow flames or sparks in the area where the petrol is refilled or where petrol is stored.

Fuel valve

The three way fuel valve is on the left side of the carburetor.

"OFF" (○) Position

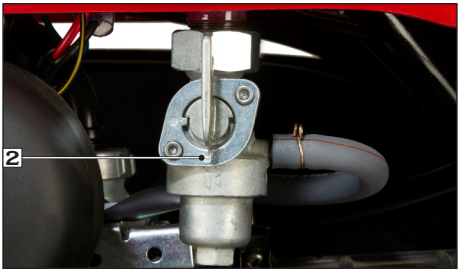
At "OFF" position (1), fuel cannot flow from the tank to the carburetor. Turn the valve "OFF" whenever the vehicle is not in use.



(1) "OFF" (○) position

"ON" (⊐) Position

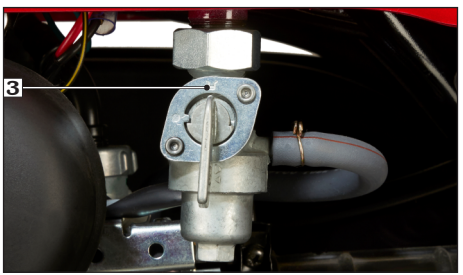
At "ON" position (2), fuel will flow from the tank to the carburetor.



(2) "ON" ( ) position

"RES" ( ) Position

At "RES" position (3), fuel will flow from the reserve fuel supply to the carburetor. Use the reserve fuel only when the main supply is exhausted. Refill the tank as soon as possible after switching to "RES". The reserve fuel supply is 1.1 litres (Usable).



(3) "RES" ( ) position

NOTE

- ***Do not operate the vehicle with the fuel valve in the "RES" ( ) position after refilling. You may run out of fuel, with no reserve.***
- ***Do not keep the fuel valve between "ON" ( ) and "OFF" ( ) position while driving, since this may drain reserved fuel from the tank.***

PRE-RIDE INSPECTION

You should conduct pre ride inspection before riding the vehicle to enhance riding comfort and safety.

Clean your vehicle regularly. It protects the surface finish. Avoid cleaning with products that are not specifically designed for vehicle surfaces.

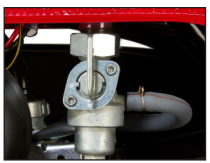
Inspect your vehicle every day before you start the engine. The items listed here will only take a few minutes, and in the long run they can save time, expense and possibly your life. Please follow the tips as given below:

- **Engine Oil Level-**Check and top up engine oil if required **(page 28).** Check for leaks.
- **Fuel Level-**Ensure sufficient fuel is available in the fuel tank for your journey **(page 16)**. Check for leaks.
- **Front and rear brake-**Check for operation. adjust free play if necessary **(page 39 & 40).**
- **Tyres-**Check condition and pressure **(page 44).**
- **Clutch-**Check for smooth operation. Adjust free play **(page 35)**.
- **Drive Chain-**Check condition and slackness **(page 36).** Adjust and lubricate if necessary.
- **Throttle-**Check for smooth opening and closing in all steering positions **(page 36)**.
- **Lamps and Horn-**Check that headlamp, tail/stop lamp, turn signal lamps and horn function properly.
- **Rear View Mirror-**Ensure that the rear view mirror gives a good rear view when you are sitting on the vehicle.
- **i3s Switch-**Make sure whether the i3s switch is in "ON" or "OFF" position **(page 15).**
- **i3s system-**Make sure that i3s system is functional properly **(page 15).**
- **Fitting & Fasteners-**Check & tighten if necessary.
- **Steering-**Check for smooth action and for easy maneuverability.

STARTING THE ENGINE



1. Turn the ignition switch “ON”.



2. Turn the fuel valve “ON”.



3. Select neutral position & check (N) indicator glows on instrument cluster with ignition “ON”.



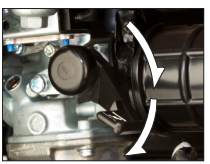
4. Make sure whether the i3s switch is in “ON” or “OFF” position.



5. Pull the choke lever upwards to “ON” position as indicated (Use choke during cold conditions)



6. Open the throttle slightly & press the starter switch.
(Alternatively kick starter pedal can be used for starting).



7. Push the choke lever downwards to ″OFF″ position as indicated, after the engine gets sufficiently warmed-up to have a stable throttle response.

⚠ WARNING

Never run the engine in a closed area, the exhaust contains poisonous gases.

NOTE

- ***To start the engine in any gear position using the electric starter, press the clutch lever and push the starter switch.***
- ***Kick starting will not be possible when the transmission gears are engaged. Shift the transmission into neutral before kick starting.***
- ***Never attempt to kick start while vehicle is moving forward or backward. This may lead to damage to the product and is not safe as well.***

Flooded Engine

If the engine fails to start after repeated attempts, it may be flooded with excess fuel. To clear a flooded engine, turn the ignition switch "OFF" and turn the choke lever to "OFF". Close the throttle fully and crank the engine several times with the kick starter. Turn the ignition switch "ON" and start the engine without using choke.

Running In

During first 1000 km, do not operate the vehicle more than 60 km/hr speed in top gear, 45 km/hr in third gear, 30 km/hr in second gear and 15 km/hr in first gear. Avoid full throttle operation.

During initial running in, newly machined surfaces will be in contact with each other and these surfaces will wear in quickly. Running in precautions till 1000 km will reduce initial wear of engine components and increase its service life.

RIDING

- After the engine has been warmed up, the vehicle is ready for riding.
- While the engine is idling, press the clutch lever and depress the gearshift pedal to shift into 1st (low) gear.
- Slowly release the clutch lever and at the same time, gradually increase engine speed by opening the throttle. Coordination of the throttle and clutch lever will assure a smooth positive start.
- When the vehicle attains a moderate speed, close the throttle, press the clutch lever and shift to 2nd gear by depressing the gearshift pedal.
- The sequence is repeated progressively to shift 3rd and 4th (top gear).

Recommended Shifting Speed

1st 0-20 km/hr 2nd 15-30 km/hr
3rd 20-40 km/hr 4th 30 km/hr and above



! CAUTION

Do not shift gears without operating clutch and without closing the throttle otherwise this would lead to damage of gears.

BRAKING

- For normal braking, close the throttle and gradually apply both front and rear brakes simultaneously while shifting down gears to suit your road speed.
- For maximum deceleration/quick stopping, close the throttle and apply the front and rear brakes simultaneously.

⚠ WARNING

- ***Independent use of only the front or rear brake increases stopping distance.***
- ***Extreme braking may cause wheel locking and reduce control over the vehicle.***
- ***Wherever possible, reduce speed or apply brake before entering a turn, closing the throttle or braking in mid turn may cause wheel slip. Wheel slip will reduce control over the vehicle.***
- ***When riding in wet or rainy conditions, or on loose surfaces the ability to stop the vehicle reduces.***
- ***All your actions should be smooth under these conditions. Sudden acceleration, braking or turning may cause loss of control. For your safety, exercise extreme caution when braking, accelerating or turning.***
- ***When descending a long steep slope use engine braking (power) by changing to lower gears, with intermittent use of both brakes. Continuous brake application can overheat the brakes and reduce their effectiveness.***

PARKING

After stopping the vehicle, shift the transmission into neutral, turn the fuel valve "OFF", turn the ignition switch "OFF", park the vehicle on main stand, lock the steering and remove the key.

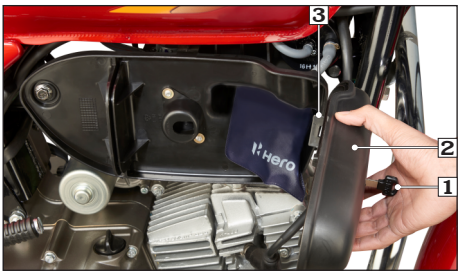
! CAUTION

- ***Park the vehicle on firm level surface to prevent overturning.***
- ***While parking on side stand engage the first gear.***

UTILITY BOX

To store some important utility items a utility box has been provided.

To open, insert the key (1), rotate it clockwise, pull the cover (2), and slide it sideways to disengaged it from the hook (3).



(1) Key (2) Cover (3) Hook

To close, engage the hook and press gently. Hold the key in clockwise direction, slide the cover back and release the key.

TOOL KIT

The tool kit (1) is stored in the utility box. Some emergency repairs, minor adjustments and parts replacement can be performed with the tools contained in the kit.

Kit consists of following tool:

- Tool Bag,
- +, – No. 2 Driver,
- Grip
- Box wrench P16 x14
- Pin Spanner



(1) Tool kit

CLEANING AND WASHING OF VEHICLE

Follow the below mentioned steps for washing the vehicle.

- Wet the vehicle with light water spray. Avoid directing water to muffler outlets and electrical parts.
- Clean the headlamp lens and other plastic parts using a cloth or sponge dampened with a solution of mild detergent and water.
- Rub the soiled area gently rinsing it frequently with fresh water.
- After cleaning spray water thoroughly.
- Dry the vehicle by wiping with dry soft cloth.

NOTE

- ***We at dealership take all above mentioned precautions like recommended detergents and usage of muffler caps/plugs during wash to ensure quality wash.***
- ***Do not use high pressure water (or air). It can damage certain parts of the vehicle.***

MAINTENANCE

The importance of maintenance

A Well-maintained vehicle is essential for safe economical and trouble-free riding. It will also help reduce pollution.

To help you, take proper care of your vehicle, the following pages include a maintenance schedule and a maintenance record for regular scheduled maintenance.

These instructions are based on the assumption that the vehicle will be used exclusively for its designed purpose. Sustained high speed operation or operation in unusually wet or dusty conditions will require more frequent service than specified in the maintenance schedule. Consult your Authorised Distributor/Dealer for recommendation applicable to your individual needs and use.

If your vehicle overturns or is involved in a crash, be sure your Authorised Distributor/Dealer inspects all major parts, even if you are able to make some repairs.

WARNING

- ***Improperly maintaining this vehicle or failing to correct a problem before you ride can cause a crash in which you can be seriously hurt or killed.***
- ***Always follow the inspection and maintenance recommendations and schedules in this owner's manual.***

MAINTENANCE SAFETY

This section includes instructions on some important maintenance tasks. You can perform some of these tasks with the tools provided (if you have basic mechanical skills).

Other tasks that are more difficult and require special tools are best performed by professionals. Wheel removal should normally be handled only by a Authorised Distributor/ Dealer skilled technician or other qualified technician; instructions are included in this manual only to assist in emergency service. You will come across some of the most important safety precautions in the following pages of this manual.

However, we cannot warn you of every conceivable hazard that can arise in performing maintenance. Only you can decide whether or not you should perform a given task.

⚠ WARNING

- ***Failure to follow maintenance instructions and precautions properly can seriously injure you.***
- ***Always follow the procedures and precautions in this owner's manual.***

SAFETY PRECAUTIONS

- Make sure the engine is "OFF" before you begin any maintenance or repair. This will help to eliminate several potential hazards :
  - **Carbon monoxide poisoning from engine exhaust.**
    Be sure there is adequate ventilation whenever you operate the engine.
  - **Burns from hot parts.**
    Let the engine and exhaust system cool before touching.
  - **Injury from moving parts.**
    Do not run the engine unless instructed to do so.
- Read the instruction before you begin and make sure you have the tools and skills required.
- To help prevent the vehicle from falling over, park it on a firm, level surface on the main stand.
- To reduce the possibility of a fire or explosion, be careful when working around petrol or batteries. Use only nonflammable solvent, not petrol, to clean parts. Keep cigarettes, sparks and flames away from the battery and all fuel–related parts.

Remember that your Authorised Distributor/ Dealer workshop knows your vehicle best and is fully equipped to maintain and repair it.

To ensure best quality and reliability, use only new Genuine Parts for repair and replacement.

MAINTENANCE SCHEDULE

Perform the Pre-ride Inspection **(page 19)** at each scheduled maintenance period.

I: INSPECT C: CLEAN R: REPLACE A: ADJUST O: OIL CHANGE L:LUBRICATE T: TOP UP E: EMISSION CHECK

The following Maintenance Schedule specifies all maintenance required to keep your vehicle in peak operating condition. Maintenance work should be performed in accordance with standards and specifications of HMCL Niloy Bangladesh Ltd. by properly trained and equipped technicians. Your Authorised Distributor/Dealer meets all of these requirements.

Ensure that each paid service is availed within 90 days or 3000 km from the date of previous service, whichever is earlier.

- To be serviced by your Authorised Distributor/Dealer unless the owner has the relevant tools, technical information and is technically qualified.
- In the interest of safety, we recommend that these jobs are carried out only by your Authorised Distributor/Dealer.

Note-1: At higher odometer readings, repeat the frequency interval established here.

Note-2: More frequent cleaning may be required when riding in dusty areas.

Note-3: Replace engine oil once in every 6000 km. Top up once in every 3000 km.

Note-4: Electric start version only.

Note-5: Visit Authorised Distributor/Dealer for inspection, cleaning, lubrication and adjustment of drive chain at every 2000 km.

Note-6: i3s variant only.

Note-7: Inspect & maintain specified torque.

Note-8: Inspect the bearings free play, replace if necessary.

Note-9: Replace once in a every two years or 30000 km, whichever is earlier.

Note-10: Inspect for any play in the mounting bushes, replace if necessary.

Note-11: Check idle CO emission along with idle rpm/idle CO adjustment (if required).

Note-12: Inspect the hoses for deterioration, damage or loose connections and canister for cracks or other damages.

Note: Always wipe the water from the vehicle after washing. Use clean soft cloth or pressurized air for completely drying the water.

Dear Customer,

MAINTENANCE SCHEDULE

We would strongly recommend the following schedule, to keep your vehicle in perfect running condition and healthy environment. Vehicle subjected to severe use or ridden in dusty area will require more frequent servicing.

	ITEMS	SERVICE	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th
		DAYS	1st 60	Next 90	Next 90	Next 90	Next 90	Next 90	Next 90	Next 90	Next 90	Next 90	Next 90
		Km Note-1	500-750	3000-3500	6000-6500	9000-9500	12000-12500	15000-15500	18000-18500	21000-21500	24000-24500	27000-27500	30000-30500
	Fuel Line		I	I	I	I	I	I	I	I	I	I	I
	Throttle Operation		I, A	I, A	I, A	I, A	I, A	I, A	I, A	I, A	I, A	I, A	I, A
	Engine Idle Speed/ Carburetor		C, A	A	C, A	A	C, A	A	C, A	A	C, A	A	C, A
	Air Cleaner Element	Note-2	C	C	C	C	R	C	C	C	C	R	C
	Spark Plug		I, C, A	I, C, A	I, C, A	I, C, A	R	I, C, A	I, C, A	I, C, A	I, C, A	R	I, C, A
	Valve Clearance		I, A	I, A	I, A	I, A	I, A	I, A	I, A	I, A	I, A	I, A	I, A
	Engine Oil	Note-3	O	I, T	O	I, T	O	I, T	O	I, T	O	I, T	O
	Engine Oil Strainer Screen		C		C		C		C		C		C
	Engine Oil Centrifugal Filter		C		C		C		C		C		C
	Electric Starter	Note-4	I	I	I	I	I	I	I	I	I	I	I
	Electric Starter Chain	Note-4	L		L		L		L		L		L
	Oil Circulation		I	I	I	I	I	I	I	I	I	I	I
	Drive Chain	Note-5	I,C,L,A at every 2000 km					I,C,L,A at every 2000 km					
	Drive Chain Slider			I	I	I	I	I	I	I	I	I	I
	Battery Voltage		I	I	I	I	I	I	I	I	I	I	I
	Battery		I, T	I, T	I, T	I, T	I, T	I, T	I, T	I, T	I, T	I, T	I, T
	Brake Shoe		I, A	I, A	I, A	I, A	I, A	I, A	I, A	I, A	I, A	I, A	I, A

ITEMS		SERVICE	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th
		DAYS	1st 60	Next 90	Next 90	Next 90	Next 90	Next 90	Next 90	Next 90	Next 90	Next 90	Next 90
		Km Note-1	500-750	3000-3500	6000-6500	9000-9500	12000-12500	15000-15500	18000-18500	21000-21500	24000-24500	27000-27500	30000-30500
	Brake System (Brake Cam & Brake Pedal)			C, L		C, L		C, L		C, L		C, L	
	Stop Lamp Switch		I, A	I, A	I, A	I, A	I, A	I, A	I, A	I, A	I, A	I, A	I, A
	Headlamp Focus		I, A	I, A	I, A	I, A	I, A	I, A	I, A	I, A	I, A	I, A	I, A
	Clutch		I, A	I, A	I, A	I, A	I, A	I, A	I, A	I, A	I, A	I, A	I, A
	Side Stand/Main Stand		L	L	L	L	L	L	L	L	L	L	L
	i3s System	Note-6	I	I	I	I	I	I	I	I	I	I	I
	Nut, Bolts & Fasteners	Note-7	I	I	I	I	I	I	I	I	I	I	I
	Wheels Bearings	Note-8	I	I	I	I	I	I	I	I	I	I	I
	Wheels/Tyres		I	I	I	I	I	I	I	I	I	I	I
	Steering Head Bearing		I	I, A	I	I, A	I, L, A	I	I, A	I	I, L, A	I	I, A
	Front Suspension/Oil	Note-9	I	I	I	I	I	I	I	I	I	I	I
	Rear Suspension	Note-10	I	I	I	I	I	I	I	I	I	I	I
	Muffler (Catalytic Converter)	Note-11			I, E		I, E		I, E		I, E		I, E
	Evaporative Emission Control System	Note-12	I	I	I	I	I	I	I	I	I	I	I

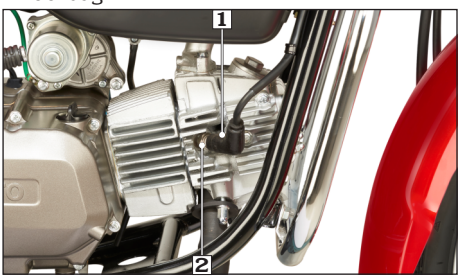
Spark plug inspection

Recommended spark plug:

NGK-CR 7 HSA, BOSCH-UR 4 AC, Federal Mogul-P-RZ 9 HC

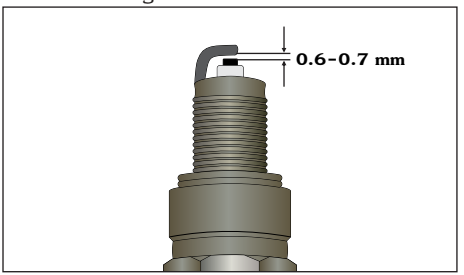
For most riding conditions this spark plug heat range number is satisfactory. However, if the vehicle is going to be operated for extended periods at high speeds or near maximum power in hot climates, the spark plug should be changed to a cold heat range number, consult Authorised Distributor/Dealer on this if required.

- Clean dirt around the spark plug base.
- Disconnect the noise suppressor cap (1) and remove the spark plug (2) with the help of spark plug box wrench provided in the tool bag.



(1) Noise suppressor cap (2) Spark plug

- Visually inspect the spark plug electrodes for wear. The center electrode should have square edges and the side electrode should not be eroded. Discard the spark plug if there is apparent wear or if the insulator is cracked or chipped.
- Make sure that the spark plug gap is **0.6-0.7 mm** using a wire-type feeler gauge. If adjustment is necessary, bend the side electrode carefully. Make sure the plug washer is in good conditions.



- With the plug washer attached, thread the spark plug in by hand to prevent cross-threading.
- Tighten a new spark plug 1/2 turn with a box wrench to compress the washer. If you are reusing a plug, it should only take 1/8-1/4 turn after the plug seats.

Engine oil

Use only Genuine Engine Oil.

BRAND : Hero 4T plus

GRADE : SAE 10W 30 SJ Grade (JASO MA).

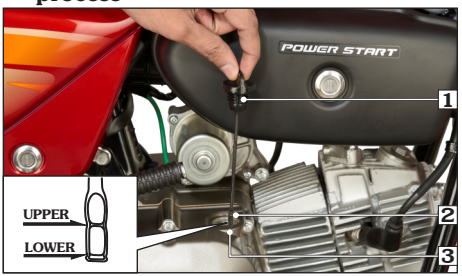
Manufactured by :

- Tide Water Oil Co. (India) Ltd.

- Savita Oil Technologies Limited.
- Bharat Petroleum Corporation Limited.

OIL CAPACITY : 0.95 litre

(a) Engine oil level inspection/Top up process



(1) Oil level dipstick (2) Upper level mark
(3) Lower level mark

Check engine oil level each day before operating the vehicle.

The oil level dipstick (1) is on the right crankcase cover for measuring oil level. Oil level must be maintained between the upper (2) and lower (3) level marks on the oil level dipstick.

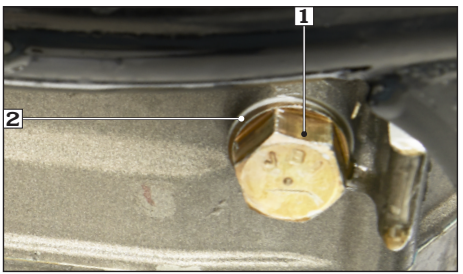
Do top up if oil level reaches towards the lower level mark or every 3000 km whichever is earlier.

- Park the vehicle on its main stand.
- Start the engine & let it idle for 3-5 minutes.
- Stop the engine and wait for 2-3 minutes.
- Remove the oil level dipstick, wipe it clean and insert without screwing it in.
- Remove the oil level dipstick and check the oil level.
- If required, add the specified oil up to the upper level mark. Do not overfill.
- Quantity of oil to be filled is 0.75 litre (approx.) during oil change when right crankcase cover is not removed.
- Reinstall the oil level dipstick and check for oil leaks.

(b) Engine oil replacement/Oil circulation inspection

- Start the engine, warm it up for serval minutes and then turn it off.
- Wait a few minute until the oil settles down.
- To drain the oil, remove the oil level dipstick and drain plug (1).
- After the oil has completely drained, reinstall the drain plug with a new sealing washer (2).
- Fill the crankcase through the filler hole with approximately 0.75 litre of the recommended grade oil.
- Reinstall the oil level dipstick with a new O-ring.
- Start the engine and allow it to idle for few minutes.
- Remove the tappet inspection cover. Slowly accelerate and check the engine oil entry into the cylinder head, engine oil will splash out from the tappet inspection cover opening.

- After checking the oil circulation, install the tappet inspection cover.
- Stop the engine and let the engine oil settle down.
- Recheck the oil level.
- Make sure that oil level is at the "UPPER" level mark of the oil level dipstick with the vehicle in an upright position and that there are no oil leaks.



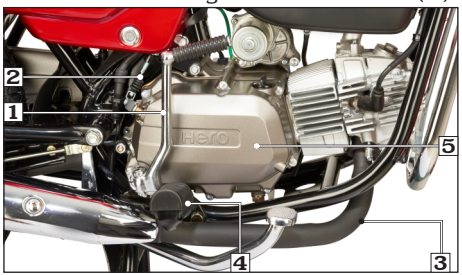
(1) Drain plug bolt (2) Sealing washer

! CAUTION

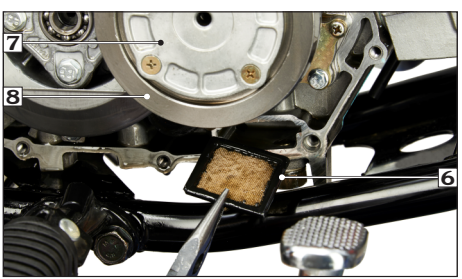
- ***Running the engine with insufficient oil can cause serious engine damage.***
- ***Running the engine with excessive oil can cause spark plug fouling & loss in performance.***
- ***Engine oil is a major factor affecting the performance and service life of the engine. Non-detergent, vegetable or castor based racing oils are not recommended.***

Oil filter screen & Centrifugal filter cleaning

- Drain the engine oil thoroughly.
- Remove the kick starter pedal (1), disconnect the clutch cable (2), remove the muffler (3), remove the rider footrest (4) and remove the right crankcase cover (5).



(1) Kick Starter Pedal (2) Clutch Cable
(3) Muffler (4) Rider foot rest
(5) Right crankcase cover



(6) Oil filter screen (7) Centrifugal filter cover
(8) Centrifugal filter

- Remove the oil filter screen (6) and wash it with non flammable or high flash point solvent (kerosene).
- Reinstall the filter screen with the sharp edged side facing inwards.
- Remove centrifugal filter cover (7) & clean centrifugal filter (8) with non flammable high flash point solvent (kerosene).
- Reinstall the centrifugal filter cover, right crankcase cover, kick starter pedal, rider foot rest and muffler.
- Fill the crankcase with clean engine oil as per specification (**page 28**).

NOTE

Clean filters as specified in the maintenance schedule.

Air cleaner

(a) Air cleaner element inspection

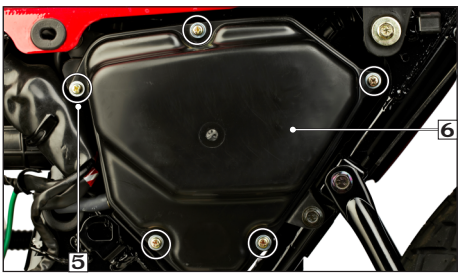
The air cleaner element is of dry paper pleated type and it should be serviced at regular intervals **(page 26)**. When riding in dusty areas, more frequent service may be necessary.

- Insert the ignition key into the side cover lock (1). Remove the side cover (2) by turning the key clockwise. Pull out lug (3) from the grommet and slide the cover back.



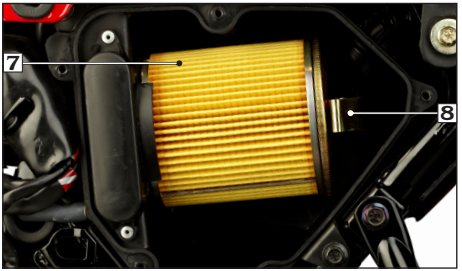
(1) Side cover lock **(2) Side cover**
(3) Lug

- Remove the air cleaner cover screws (5) and the cover (6).



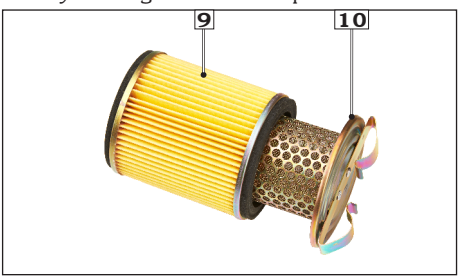
(5) Air cleaner cover screws
(6) Air cleaner cover

- Press the mounting clamp (8) to release the air cleaner assembly from the housing and remove the air cleaner assembly (7).



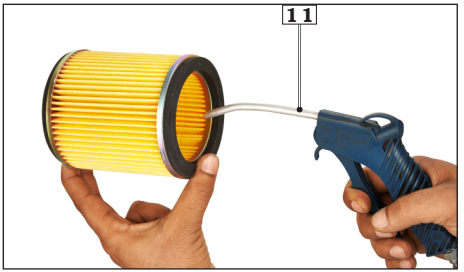
(7) Air cleaner assembly (8) Mounting clamp

- Air cleaner cleaning
  - Remove the air cleaner element (9) from the element holder (10).
  - The air cleaner element should be cleaned by blowing moisture free pressurized air.



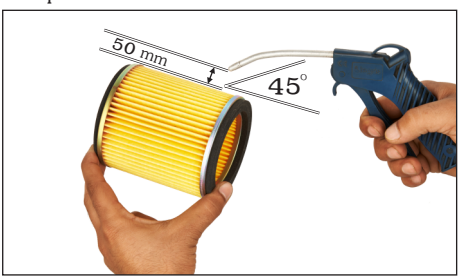
(9) Air cleaner element (10) Element holder

- Start cleaning by directing the air nozzle (11) inside the element and cleaning it by rotating the element about its axis.



(11) Air nozzle

- Now blow the dust from the surface of the paper element about 50 mm away from it,with the air nozzle (11) at an angle of 45° and moving it along the paper pleats.



- Replace it earlier if it becomes very dirty, damaged on surface or on the sealing area. Install the air cleaner element on holder, insert the air cleaner assembly into the inlet air duct & press gently to fix the mounting

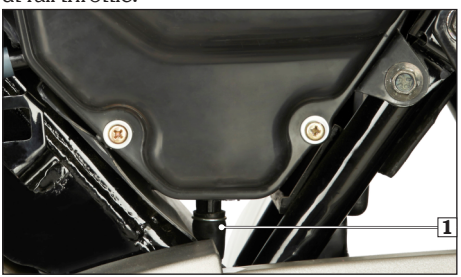
clamp in housing. Ensure cover lug should take proper seat on the other side of the mounting clamp.

CAUTION

- ***Never wash the air cleaner element. Only blow air for cleaning the dust, as explained. Replace air cleaner element every 12000 km.***
- ***Never blow air initially from outside to inside as the fine dust particles may go deep inside the element.***

(b) Air cleaner drain tube cleaning

Drain the deposit into a suitable container by pressing the drain tube end. Follow the above process more frequently when riding in rain or at full throttle.



(1) Drain tube

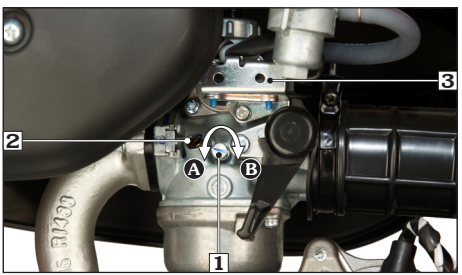
Carburetor (idle speed adjustment)/ Throttle controlled ignition system (TCIS)

The carburetor is factory pre set in order to achieve optimum performance and meet emission standards.

However in case of specific requirement of tuning due to engine stalling in idle speed, please follow the instructions given here under:

- Warm up the engine and park the vehicle on the main stand.
- Adjust idle speed with the throttle stop screw (1).

IDLE SPEED: 1400 ± 100 RPM



(1) Throttle stop screw (2) Air screw
(3) Throttle position sensor switch
(A) Decrease rpm (B) Increase rpm

If air screw (2) is tampered it affects the overall performance characteristics of the vehicle.

Throttle position sensor switch (3) alters the ignition timing as per the throttle operation and ensures optimum driving performance.

NOTE

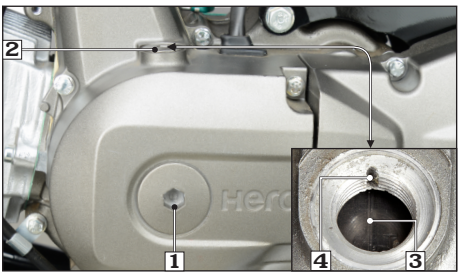
Always adjust the idle speed in i3s switch "OFF" position.

! CAUTION

Never adjust air screw (2). Air screw adjustment is to be done only by Authorised Distributor/Dealer.

Valve clearance adjustment

Excessive valve clearance will cause noise, and little or no clearance will prevent the valve from closing and cause valve damage and power loss. Check valve clearance at the specified intervals **(page 26).**



(1) Crankshaft hole cap (2) Timing hole cap
(3) 'T' mark (4) Index mark

NOTE

Checking or adjusting of valve clearance should be performed while the engine is cold. The clearance will change as the engine temperature rises.

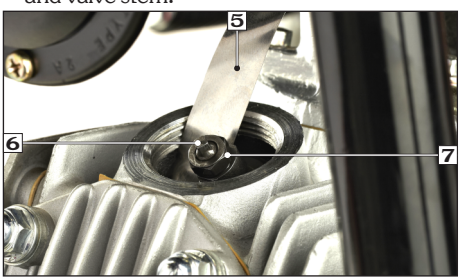
- Remove the crankshaft hole cap (1), timing hole cap (2) and tappet covers.
- Rotate the flywheel anticlockwise until the 'T' mark (3) on the flywheel coincides with the index mark (4) on the left crankcase cover. In this position the piston will either be on the compression or exhaust stroke.

The adjustment must be made when the piston is at Top Dead Center and both the inlet and exhaust valves are closed.

This condition can be determined by moving the rocker arms. If they are free, it is an indication that the valves are closed and the piston is in compression stroke.

If they are tight, the valves are open, rotate the flywheel 360° anticlockwise and re-align the 'T' mark with the index mark.

- Check the clearance by inserting the feeler gauge (5) between the adjusting screw (6) and valve stem.



(5) Feeler gauge (6) Adjusting screw
(7) Lock nut

Standard valve clearance (cold condition)

Intake 0.10 mm Exhaust 0.10 mm

Adjust by loosening the lock nut (7) and turning the adjusting screw until there is a

slight drag on the feeler gauge. After tightening the lock nut, check again the clearance.

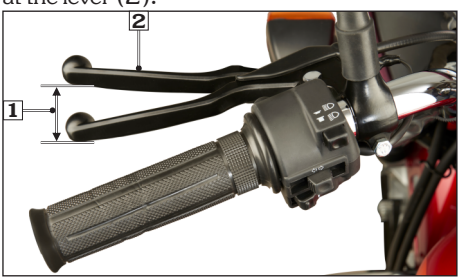
- Install the parts in the reverse order of removal.

NOTE

Before inserting the feeler gauge, smear a bit of engine oil on the feeler gauge to avoid damage to the feeler gauge.

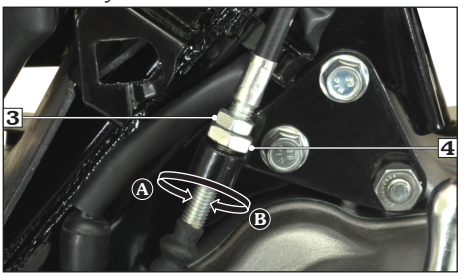
Clutch lever free play adjustment

Clutch adjustment may be required if the vehicle stalls when shifting into gear or tends to creep or if the clutch slips, causing acceleration to lag behind engine speed. Normal clutch lever free play (1) is 10–20 mm at the lever (2).



(1) Free play 10–20 mm (2) Clutch lever

- To adjust the free play, loosen the lock nut (3). Turn the adjusting nut (4) to obtain the specified free play. Tighten the lock nut and check the adjustment.
- Start the engine, press the clutch lever and shift into gear. Make sure the engine does not stall, and the vehicle does not creep. Gradually release the clutch lever and open the throttle. The vehicle should start smoothly and accelerate.



(3) Lock nut (4) Clutch cable adjusting nut
(A) Decrease free play (B) Increase free play

NOTE

- ***Check that the clutch cable routing is correct.***
- ***If proper adjustment cannot be obtained or the clutch does not work correctly, visit your Authorised Distributor/Dealer.***

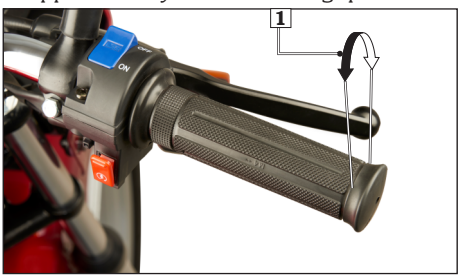
Other Checks

- Check the clutch cable for kinks or signs of wear that could cause sticking or failure.
- Check for clutch cable model. Use genuine clutch cables.
- Check for clutch cable routing.

Throttle operation & free play adjustment

Cable inspection

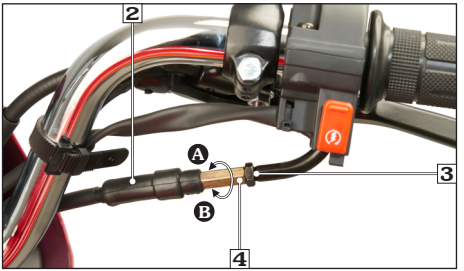
Check for smooth rotation of the throttle grip from the fully open to the fully closed position. Check at full left and full right steering positions. Inspect the condition of the throttle cable from the throttle grip down to the carburetor. If the cable is kinked, chafed or improperly routed, it should be replaced or rerouted. Standard throttle grip free play (1) is approximately 2-6 mm of grip rotation.



(1) Free play 2-6 mm

Free Play Adjustment

Slide the boot (2), loosen the lock nut (3) and turn the adjuster (4).



(2) Boot (3) Lock nut (4) Adjuster
(A) Decrease free play (B) Increase free play

Drive chain slackness adjustment

The service life of the drive chain depends upon proper lubrication and adjustment.

Poor maintenance can cause premature wear or damage to the drive chain and sprockets.

The drive chain (1) should be checked and lubricated as part of the Pre-ride Inspection **(page 19).** Under severe usage or when the vehicle is ridden in unusually dusty areas more frequent maintenance will be necessary.

Inspection

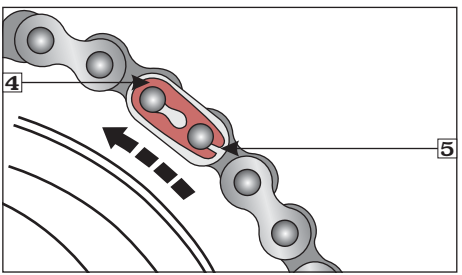
- Turn the engine "OFF", park the vehicle on its main stand and shift the transmission to neutral. Remove hole cap (2).
- Drive chain slack (3) should be adjusted to allow approximately 25 mm vertical movement by hand.



(1) Drive chain (2) Hole cap
(3) Drive chain slack 25 mm

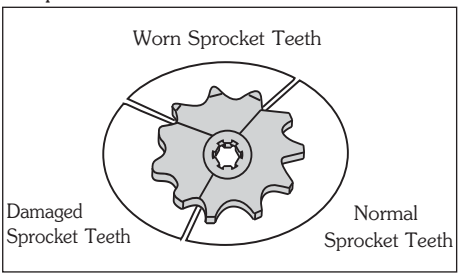
Rotate the wheel and check drive chain slack as the wheel rotates. Drive chain slack should remain constant as the wheel rotates.

If the chain is slack in one section and tight in another, some links are kinked and binding. Binding can be eliminated by frequent lubrication.



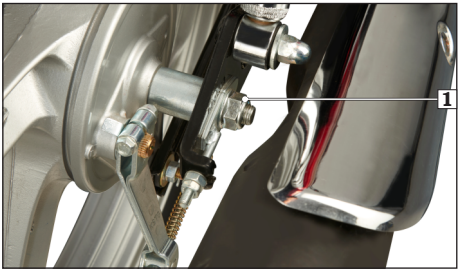
(4) Chain lock plate (5) Open end

- Turn the chain to view chain lock plate (4) inside the hole. Ensure that the chain lock plate open end (5) is installed in the opposite direction of the chain rotation.
- Inspect the sprocket teeth for wear or damage.
- If the drive chain or sprockets are excessively worn or damaged, they should be replaced. Never use a new chain with worn out sprockets since this will result in rapid chain wear.



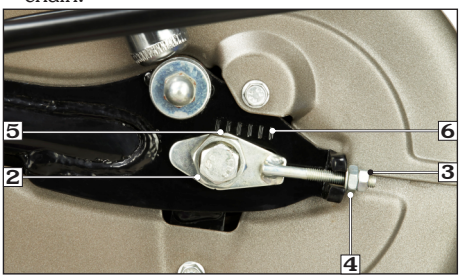
Adjustment

- Park the vehicle on its main stand with the transmission in neutral and the ignition switch ″OFF″ position.
- Loosen the rear axle nut (1) and sleeve nut (2).



(1) Rear axle nut

- Loosen the drive chain lock nut (3).
- Turn both the adjusting nuts (4) in an equal number of turns until the correct drive chain slack is obtained. Turn the adjusting nut clockwise to decrease the slack or anticlockwise to increase the slack of the chain.



(2) Sleeve nut (3) Drive chain lock nut
(4) Drive chain adjusting nut
(5) Index mark (6) Scale graduation

- Align the chain adjuster index mark (5) with the corresponding scale graduations (6) on the both sides of the swing arm equally.
- If the drive chain slack is excessive when the rear axle is moved to the furthest limit of adjustment, the drive chain is worn and must be replaced.
- Tighten the rear axle nut and sleeve nut to the specified torque.
  - Rear axle nut torque : 5.4 kgf-m.
  - Sleeve nut torque : 4.4 kgf-m.
- Check the drive chain slack again.
- Rear brake pedal free play and stop lamp switch free play are affected when repositioning the rear wheel to adjust drive chain slack. Check rear brake pedal free play and adjust as necessary **(page 40)**.

Lubrication

- Turn the engine "OFF", park the vehicle on its main stand and shift the transmission into neutral.
- Lubricate the drive chain by applying liberal amount of SAE#90 oil.

! CAUTION

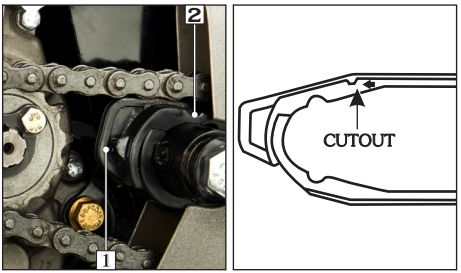
Regular adjustment and lubrication as per the maintenance schedule would ensure high performance and longer life.

NOTE

Visit Authorised Distributor/Dealer for inspection, cleaning, lubrication and adjustment of drive chain at every 2000 km.

Drive chain slider inspection

(Refer to "Maintenance Schedule" on **(page 25)**.



(1) Drive chain slider (2) Wear limit

Check the drive chain slider (1) for wear, the chain slider must be replaced if it is worn to the bottom of the cutout or wear limit (2) is reached.

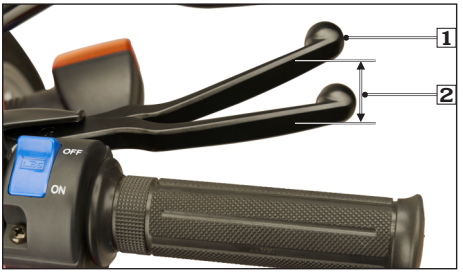
For replacement, visit your Authorised Distributor/Dealer.

Brakes

(a) Front brake inspection

Adjustment

- Park the vehicle on its main stand.
- Measure the distance, the front brake lever (1) moves before the brakes start to take hold. Free play (2) should be 10-20 mm at the tip of the brake lever.

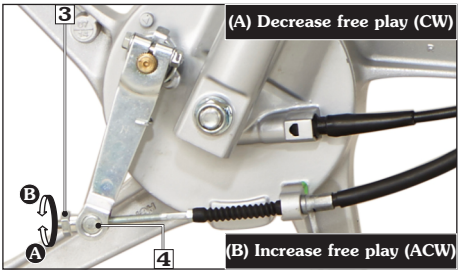


(1) Front brake lever (2) Free play 10-20 mm

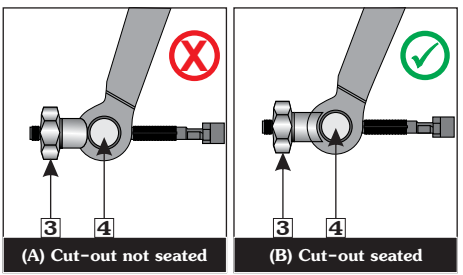
- If adjustment is necessary, turn the front brake adjusting nut (3).
- Make sure that cut-out on the adjusting nut is seated on the brake joint pin (4) after making final free play adjustment.
- Apply the brake several times and check for free wheel rotation when released.

NOTE

If proper adjustment cannot be obtained by this method, visit your Authorised Distributor/Dealer.



CW- Clockwise ACW- Anticlockwise

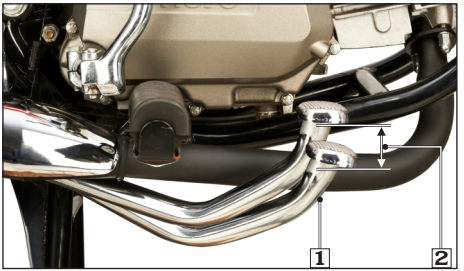


(3) Adjusting nut (4) Brake joint pin

(b) Rear brake inspection

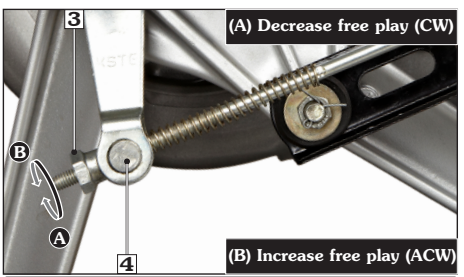
Adjustment

- Park the vehicle on its main stand.
- Measure the distance of brake pedal (1) moves before the brake starts to take hold. Free play (2) should be 20-30 mm.



(1) Rear brake pedal (2) Free play 20-30 mm

- If adjustment is necessary, turn the rear brake adjusting nut (3).
- Make sure that the cut-out on the adjusting nut is seated on the brake joint pin (4) after the final adjustment has been made.
- Apply the brake several times and check for free wheel rotation when released.



(3) Adjusting nut (4) Brake joint pin

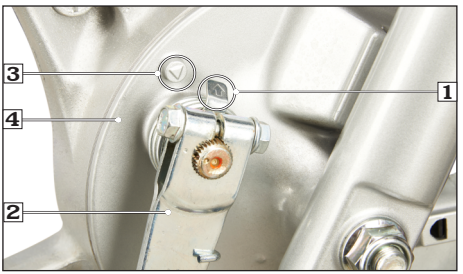
CW- Clockwise ACW- Anticlockwise

NOTE

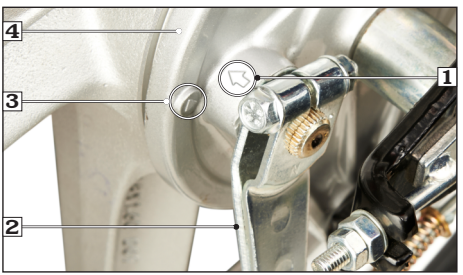
If proper adjustment cannot be obtained by this method, visit your Authorised Distributor/Dealer.

Brake wear indicator inspection

Front brake wear indication



Rear brake wear indication



(1) Arrow **(2) Brake arm**
(3) Reference mark **(4) Brake panel**

When the brake is applied, an arrow (1), fixed to the brake arm (2), moves towards a reference mark (3) on the brake panel (4). If the arrow aligns with the reference mark on full application of the brake, the brake shoes must be replaced.

Suspension

(a) Front and rear suspension inspection

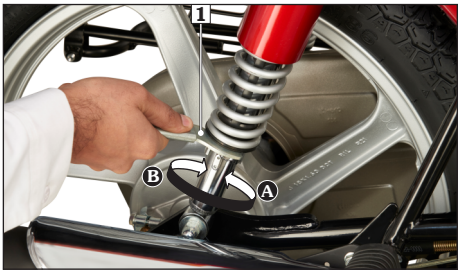
- Check the front forks by locking the front brake and pumping the front fork up and down vigorously. The suspension action should be smooth and there should be no oil leakage.
- Check the rear shock absorber by pushing hard downwards on rear carrier while the vehicle is not parked on stand. The suspension action should be smooth and there should be no oil leakage.



(b) Rear shock absorber adjustment

Rear shock absorber adjustment can be made according to the load/road conditions.

- In direction A: Stiffer
- In direction B: Softer



(1) Pin spanner

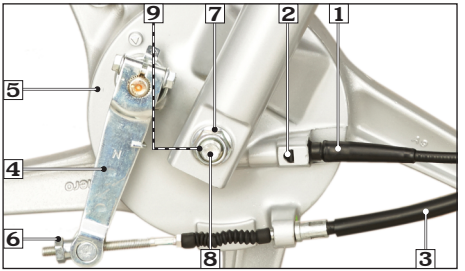
NOTE

Always adjust both the rear shock absorber to the same position. Use the rear shock absorber adjustment tool (1) (pin spanner) available in the tool kit.

Wheel

(a) Front wheel removal

- Support the vehicle securely on the main stand and raise the front wheel off the ground.
- Remove the speedometer cable (1) by pressing the tab (2) & then pull out the cable.
- Disconnect the brake cable (3) from brake arm (4) and brake panel (5) by removing the front brake adjusting nut (6).
- Remove the axle nut (7).
- Remove the axle (8) and the collar (9)
- Remove the wheel.



(1) Speedometer cable (2) Tab (3) Front brake cable (4) Brake arm (5) Brake panel (6) Front brake adjusting nut (7) Axle nut (8) Axel (9) Collar

Installation

- Reverse the removal procedure
- Install the front wheel by ensuring that the lug (10) on the left fork is located in the slot (11) in the brake panel.



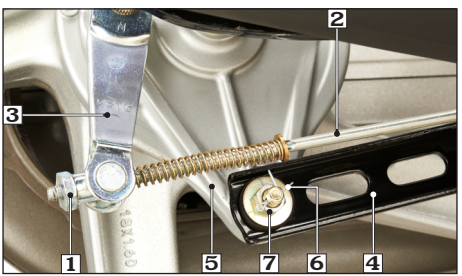
(10) Lug (11) Slot

- Rotate the front wheel & see if the speedometer needle is working.

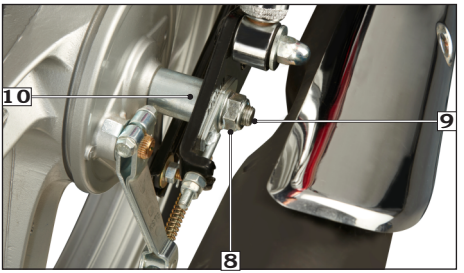
- Tighten the axle nut to the specified torque.
  Axle nut torque :5.4 kgf-m
- Adjust the brake **(page 39)**.
- After installing the wheel, apply the brake several times and check for free wheel rotation when released.

(b) Rear wheel removal

- Support the vehicle securely on the main stand and raise the front wheel off the ground.
- Remove the rear brake adjusting nut (1) and disconnect the brake rod (2) from the brake arm (3) by pushing down the brake pedal.
- Disconnect the brake stopper arm (4) from the brake panel (5) by removing split pin (6) and nut (7).
- Remove the axle nut (8) and pull the axle (9).
- Remove the collar (10) Remove the wheel.



(1) Rear brake adjusting nut (2) Rear brake rod (3) Brake arm (4) Brake stopper arm (5) Brake panel (6) Split pin (7) Lock nut



(8) Axle nut (9) Axle (10) Collar

Installation

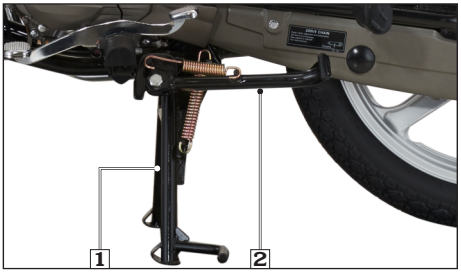
- Reverse the removal procedure
- Axle nut torque : **5.4 kgf-m**
  Brake stopper arm nut torque : **2.2 kgf-m**
- Adjust the brake **(page 40)** and drive chain **(page 36)**.
- After installing the wheel, apply the brake several times and check for free wheel rotation when released.

! CAUTION

Always replace used split pins with new ones.

Main/Side stand lubrication

- Park the vehicle on the level surface.
- Check the main/side stand return spring for damage or loss of tension.
- Check the main stand (1)/side stand (2) for freedom of movement.
- Lubricate the side stand pivot if necessary.
- Make sure the side stand is not bent.



(1) Main stand **(2) Side stand**

Tyre

The tyres that are fitted on your vehicle are designed to match the performance capabilities of handling, braking, durability and comfort.

To safely operate your vehicle, the tyres must be of recommended type and size, in good condition with adequate tread, and correctly inflated. The recommended tyres size is :

Front	2.75 x 18-4PR/42P
Rear	2.75 x 18-6PR/48P

Air Pressure

Properly inflated tyres provide the best combination of handling, tread life, and riding comfort. Generally, under inflated tyres wear unevenly, adversely affect handling, and are more likely to fail from being overheated. Under inflated tyres can also cause wheel damage in rocky terrain.

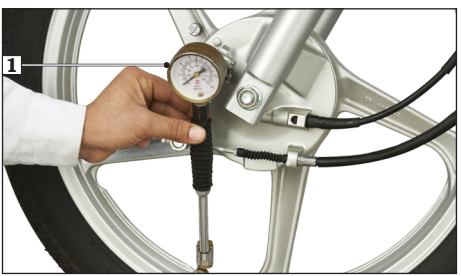
Over inflated tyres make your vehicle ride more harshly, are more prone to damage from surface hazards and wear unevenly.

Make sure the valve stem caps are secure.

If necessary, install a new cap.

The recommended "cold" tyre pressure are:

	Rider only	Rider and Pillion
Front	1.75 kgf/cm^2 (25 psi)	1.75 kgf/cm^2 (25 psi)
Rear	2.00 kgf/cm^2 (29 psi)	2.50 kgf/cm^2 (36 psi)



(1) Air pressure gauge

! CAUTION

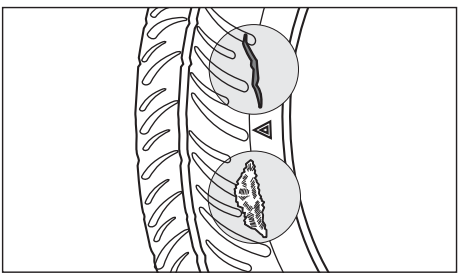
Over inflation/Under inflation will affect the performance.

Inspection

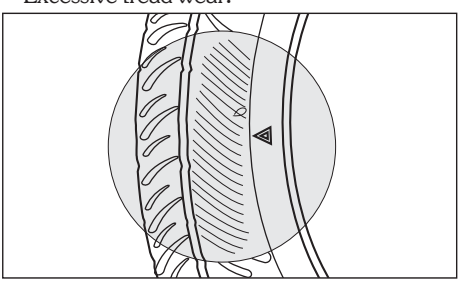
Whenever you check the tyre pressure, you should also examine tyre treads & side walls for wear, damage & foreign objects:

Look for :

- Bumps or bulges in the side of the tyre or the tread. Replace the tyre if you find any bumps or bulges.
- Cuts, splits or cracks in the tyre. Replace the tyre if you can see fabric or cord.



- Excessive tread wear.



Also, if you hit a pothole or hard object, pull to the side of the road as soon as you safely can and carefully inspect the tyres for damage.

Tread Wear

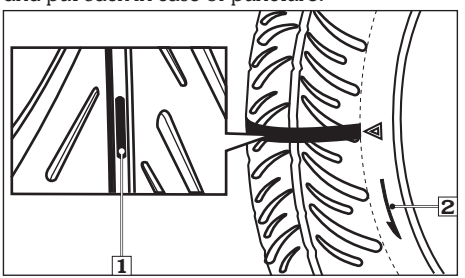
Replace tyres immediately when the tyres get worn upto the wear indicator (1) on the tyre. The tread limits are :

Front: 1.0 mm **Rear:** 1.0 mm

Check the tread wear indicator for tyre wear.

Unidirectional Tyres

Ensure the arrow mark (2) on the tyre is in the same direction as that of forward rotation of the wheel, whenever the tyre is removed and put back in case of puncture.



(1) Tread wear indicator (2) Arrow mark

⚠ WARNING

- ***Using tyres that are excessively worn or improperly inflated can cause a crash in which you can be seriously hurt or injured.***
- ***Operation with excessively worn tyres is hazardous and will adversely affect traction and handling.***
- ***Follow all instruction in this owner's manual regarding tyre inflation and maintenance.***
- ***Under-inflation may result in the tyre slipping on or tyre coming off the rim.***

Nuts, bolts & fasteners

- Tighten bolts and nuts at regular interval shown in the maintenance schedule.
- Check that all chassis nuts and bolts are tightened to correct torque values.
- Check that all cotter pins, safety clips, hose clamps and cable stays are in place.



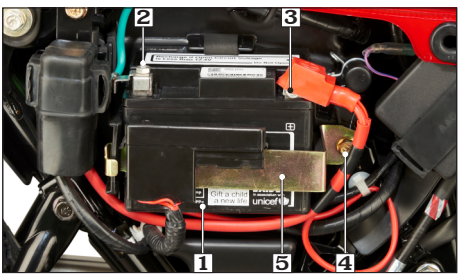
Battery (Electric Start)

Location

The battery (1) is located behind the right side cover.

Specification

*MF Battery, 12V-3Ah (ETZ 4) (Electric start).



(1) Battery (2) (-)ve terminal
(3) (+)ve terminal (4) Bolt (5) Battery clamp

It is not necessary to check the battery electrolyte level or add distilled water as the battery is a **Maintenance-Free (sealed)** type. If your battery seems weak and/or electrolyte is leaking (causing hard starting or other electrical troubles), contact your Authorised Distributor/Dealer.

NOTE



This symbol on the battery means that this product must not be treated as household waste.



This symbol on the battery means the old battery must be returned to your Authorised Distributor/Dealer as it must be treated as recyclable material.

- ***Battery is a Maintenance-Free (sealed) type and can be permanently damaged if the sealing strip is removed.***
- ***An improperly disposed battery can be harmful to the environment and human health. Always confirm local regulations for battery disposal.***

WARNING

- ***The battery gives off explosive hydrogen gas during normal operation.***
- ***A spark or flame can cause the battery to explode with enough force to seriously hurt you.***
- ***Wear protective clothing and a face shield, or have skilled technician do the battery maintenance.***

Battery charging

Always visit your Authorised Distributor/ Dealer if you see any symptom of battery discharge as earliest as possible to get the battery charged. The battery has a tendency to discharge rapidly if additional electrical accessories are fitted on the vehicle.

Battery storage

- If in case your vehicle is not used for more than a month remove the battery, fully charge and store in a cool and dry place.
- If the battery is expected to be stored for more than two months, ensure to fully charge the battery once in a month.
- Always ensure the battery is fully charged before installation.
- Ensure the battery leads are properly connected to the battery terminals during installation.

Battery removal

- Make sure the ignition switch is "OFF".
- Insert the ignition key into the right side cover lock. Remove the side cover by turning the key clockwise. Pull out lug from the grommet and slide the cover back.
- Disconnect the **(-)**ve terminal lead from the battery first, then disconnect the **(+)**ve terminal lead.
- Remove the battery clamp bolt **(page 46)**.
- Pull out the battery from the battery box.

Battery installation

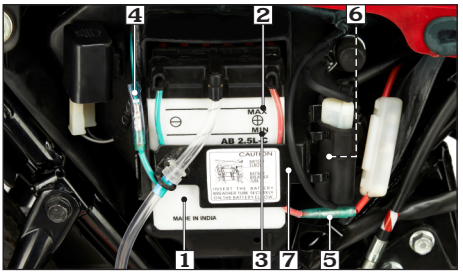
- Reinstall in the reverse order of removal. Be sure to connect the positive **(+)** terminal first, then the negative **(-)** terminal.
- Check all bolts and other fasteners are secure.

Battery (Kick Start)

Location

The battery (1) is located behind the right sidecover.

Specification: 12V-2.5Ah (Conventional battery).



(1) Battery (2) Upper level mark
(3) Lower level mark (4) (-)ve terminal
(5) (+)ve terminal (6) Bolt (7) Battery clamp

Maintenance

Check the battery electrolyte. The electrolyte level must be maintained between the upper (2) and the lower (3) level marks on the side of the battery. If the electrolyte level is low, remove the bolt (4) and remove the bracket (5) for access to the battery. Remove the battery filler caps.

Carefully add distilled water to the upper level mark using a small plastic funnel.

NOTE

- ***Use only distilled water in the battery. Tap water may shorten the service life of the battery.***
- ***Dispose off used/old battery to authorised dealer only.***
- ***Insufficient electrolyte results in sulphation & plate damage.***

! CAUTION

- ***When checking battery electrolyte level or adding distilled water, make sure the breather tube is connected to the battery breather outlet.***
- ***Do not attempt to start or drive the vehicle without a charged battery, it can cause fusing of the bulbs and permanent damage to certain electrical components.***
- ***Turn the ignition switch "OFF" before checking or replacing the fuse to prevent accidental short-circuiting.***

Battery removal

- Make sure the ignition switch is "OFF".
- Insert the ignition key into the right side cover lock. Remove the side cover by turning the key clockwise. Pull out lug from the grommet and slide the cover back.
- Disconnect the (-)ve cable from the battery, then disconnect the (+)ve cable.
- Disconnect the battery breather tube.
- Remove the battery clamp bolt.
- Pull out the battery from the battery box.

Battery installation

- Reinstall in the reverse order of removal.
- Check all bolts and other fasteners are secure.

Fuse replacement

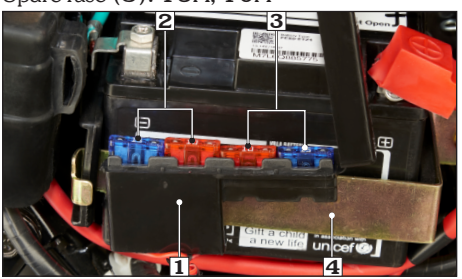
Electric Start

Fuse Box (1) : Location : Mounted on the clamp near battery (4).

Fuse Type : Blade fuse

In circuit fuse (2): 15A, 10A

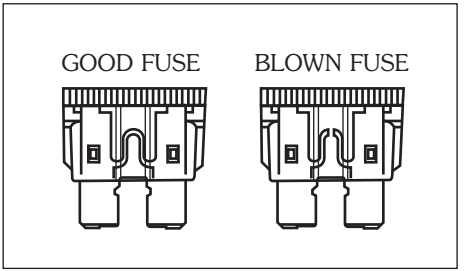
Spare fuse (3): 15A, 10A



(1) Fuse box (2) Blade fuse 15A,10A
(3) Spare fuse 15A,10A (4) Clamp

⚠ WARNING

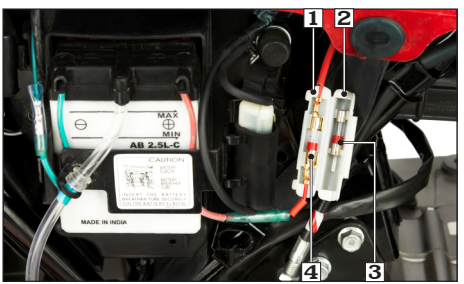
- ***Never use a fuse with a different rating from that specified. It may lead to serious damage to the electrical system or a fire due to short circuit.***
- ***Battery gives off explosive gases. Keep sparks, flames & cigarettes away.***



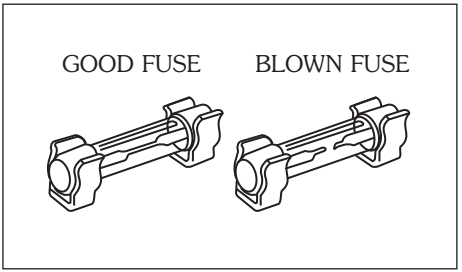
Kick Start

The fuse holder (1) & (2) are placed adjacent to the battery which consists of spare fuse.

The specified fuses are 10A (3) & 7A (4)



(1) & (2) Fuse holder (3) Fuse 10A
(4) Fuse 7A



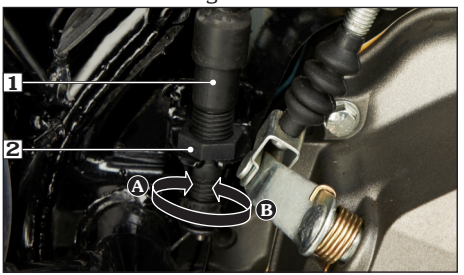
! CAUTION

- ***Do not attempt to start or ride the vehicle without a charged battery, it can cause fusing of the bulbs and permanent damage to certain electrical components.***
- ***Turn the ignition switch "OFF" before checking or replacing the fuse to prevent accidental short-circuiting.***

Stop lamp switch

The stop lamp switch (1) must be adjusted so that stop lamp glows when rear brake is applied. Rear brake free play **(page 40)** should be adjusted before performing stop lamp switch adjustment. The procedure for adjusting stop lamp switch is as follows:

- Turn the ignition switch to the "ON" position.
- Turn the adjusting nut (2) to position stop lamp switch at a point where the stop lamp will glow just before the brake pedal is depressed to the limit of its free play.
- Turn the adjusting nut in direction (A) to advance switch timing or in direction (B) to retard switch timing.



(1) Stop lamp switch (2) Adjusting nut
(A) Advance (B) Retard

Headlamp focus adjustment

Headlamp is factory pre set. However in case of adjustment required, please follow the steps as given below :

- Headlamp focus adjustment is done by the headlamp adjusting screw (1) located below headlamp.
- Park the vehicle on level surface.
- Adjust the headlamp beam vertically by rotating the screw. Rotate the screw clockwise (A) for downward adjustment and anticlockwise (B) for upward adjustment of headlamp beam.

! WARNING

An improperly adjust headlamp may blind oncoming rider/driver or it may fail to light the road for a safe distance.



(1) Adjusting screw
(A) Clockwise (B) Anticlockwise

Catalytic converter

This vehicle is equipped with a catalytic converter in the muffler.

The catalytic converter contains noble metals that serve as catalyst, promoting chemical reactions to convert CO and HC in the exhaust to CO_2 and H_2O (water vapour). A defective catalytic converter contributes to air pollution and can impair your engine's performance.

Follow these guidelines to protect your vehicle's catalytic converter.

- Always use unleaded petrol. Even a small amount of leaded petrol can contaminate the catalyst metals, making the catalytic converter ineffective.
- Keep the engine tuned up.

Evaporative emission control system

This vehicle is equipped with an evaporative emission control system to meet emission standards. During warm weather, the petrol vapours which contain HC evaporates easily into the atmosphere from the fuel tank, if the fuel system is unsealed or open. The evaporative emission control system is used to prevent petrol vapours from escaping into the atmosphere from fuel tank. The canister **(1)** collects the fuel vapour from the fuel tank and then the fuel vapour is drawn into the engine for re-burning to avoid pollution caused by the fuel vapour diffused into the air.



(1) Canister

POLISHING

After washing your vehicle, wax all painted surfaces (except matte painted surfaces) using a commercially available polish/quality liquid or paste wax to finish the job. Use only a non abrasive polish or wax made specifically for automobiles. Apply the polish or wax according to the instructions on the container.

NOTE

Polishing or waxing is not applicable for models having matte paint.

1. STARTING TROUBLE – ENGINE DOES NOT START

A. Fuel System

Check fuel valve position → "OFF" → Turn to "ON" position
↓ "ON" Position
Check fuel in Fuel Tank → No Fuel → Refill
↓ OK
Check fuel Lines → Leakage/Air Lock → Rectify
↓ OK
Consult Authorised Distributor/Dealer

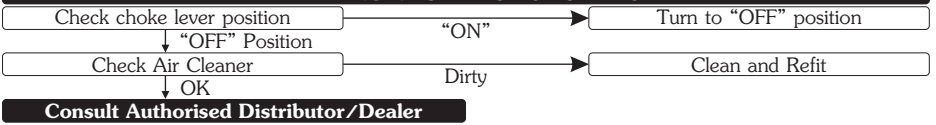
B. Electric Starter Not Working (Electric start model only)

Check Fuse → Fuse → Replace Fuse **(ref. page 49)**
↓ OK
Inspect Battery → Weak → **Consult Authorised Distributor/Dealer**
↓ OK
Check connections, Ignition switch/starter switch → Loose → Secure connections
↓ OK
Consult Authorised Distributor/Dealer

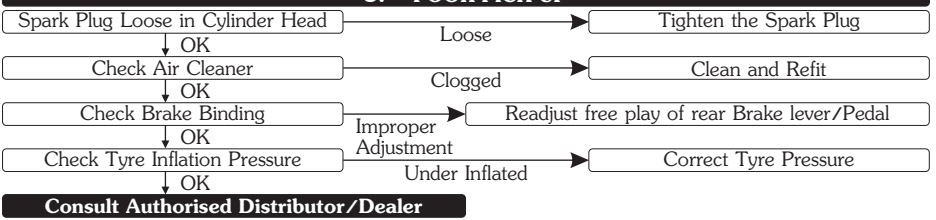
C. No Spark At Spark Plug

Check Ignition Switch → "OFF" → Turn ignition switch "ON"
↓ OK
Check Spark Plug for Fouling/ Improper Electrode Gap → No Spark → Replace Spark Plug/Adjust Spark Plug Gap (0.6–0.7 mm)
↓ OK
Check for Poorly Connected or Loose Spark Plug Wire → Loose Contact → Secure Properly
↓ OK
Consult Authorised Distributor/Dealer

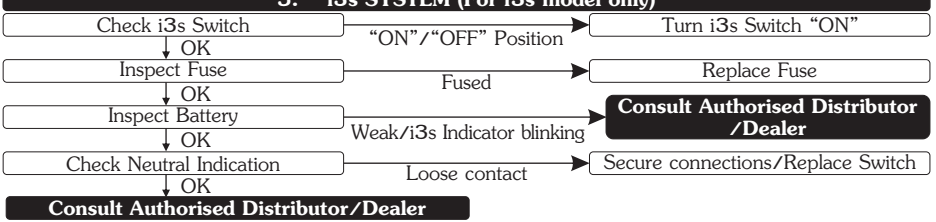
2. ENGINE STARTS BUT STALLS



3. POOR PICK UP



5. i3s SYSTEM (For i3s model only)



CUSTOMER'S COPY

Splendor+

HMCL Niloy Bangladesh Ltd.

DELIVERY CERTIFICATE

I certify having taken delivery of one HMCL Niloy Bangladesh Ltd. **SPLENDOR+** Vehicle bearing the following particulars:–

Engine No. _____

VIN _____

Colour/Model _____ **Key No.** _____

Allotment No. _____ **Date of Sale** _____

Customer's Name _____

I have been explained by the dealer about correct and safe driving habits, warranty terms and conditions, service schedules and maintenance tips.

Customer's Copy

Splendor+

HMCL Niloy Bangladesh Ltd.

Alongwith the vehicle I have also received the following:-

1. Owner's Manual
2. 2 Nos. Keys
3. 1 Set of tools **(for details see below)**
4. Standard Accessories
5. Battery Make _____ Sr. No. _____
6. Tyre **Front** Make _____ Sr. No. _____
   Rear Make _____ Sr. No. _____

The vehicle has been delivered in factory fresh conditions to my satisfaction & I have understood all terms and conditions of warranty and shall abide by them.

Customer's Name _____

Customer's Address _____

Customer's Signature _____

Authorised Distributor/Dealer Name _____

Authorised Distributor/Dealer Address _____

Details of Tool kit

Tool Bag, +, - No. 2 Driver, Grip, Box Wrench 16 x 14, Pin Spanner.

AUTHORISED DISTRIBUTOR/DEALER COPY

Splendor+

HMCL Niloy Bangladesh Ltd.

DELIVERY CERTIFICATE

I certify having taken delivery of one HMCL Niloy Bangladesh Ltd. **SPLENDOR+** Vehicle bearing the following particulars:-

Engine No. _____

VIN _____

Colour/Model _____ **Key No.** _____

Allotment No. _____ **Date of Sale** _____

Customer's Name _____

I have been explained by the dealer about correct and safe driving habits, warranty terms and conditions, service schedules and maintenance tips.

Authorised Distributor/Dealer copy

Splendor+

HMCL Niloy Bangladesh Ltd.

Alongwith the vehicle I have also received the following:-

1. Owner's Manual
2. 2 Nos. Keys
3. 1 Set of tools **(for details see below)**
4. Standard Accessories
5. Battery Make _____ Sr. No. _____
6. Tyre **Front** Make _____ Sr. No. _____
   Rear Make _____ Sr. No. _____

The vehicle has been delivered in factory fresh conditions to my satisfaction & I have understood all terms and conditions of warranty and shall abide by them.

Customer's Name _____

Customer's Address _____

Customer's Signature _____

Authorised Distributor/Dealer Name _____

Authorised Distributor/Dealer Address _____

Details of Tool kit

Tool Bag, +, - No. 2 Driver, Grip, Box Wrench 16 x 14, Pin Spanner.

GENUINE PARTS

WHAT ARE THE BENEFITS OF GENUINE SPARE PARTS ?

- Assures long life
- Ensures economy for a long time
- Safety of vehicle and rider
- Peace of mind
- Value for money
- Assured quality

CONSEQUENTIAL DAMAGES ON USING NON-GENUINE PARTS

Clutch Plate	• Material used is inferior • Damages other parts of clutch like, clutch center and outer clutch • Affects fuel efficiency • Poor acceleration
Cam Chain Kit	• Poor performance • Reduced life
Gasket Cylinder Head	• Improper sealing • Engine knocking • Leads to leakage and smoky exhaust • Higher emission level

GENUINE PARTS

CONSEQUENTIAL DAMAGES ON USING NON-GENUINE PARTS

Element Air Cleaner	• Improper air filtration resulting in premature engine failure • Affects fuel efficiency • Poor engine performance
Spark Plug	• Frequent stalling of engine • Higher emission level • Poor engine performance • Affects fuel efficiency
Brake Pads/Shoes	• Poor braking efficiency • Rider safety-an issue • Discs/Drum wear out, resulting in subsequent repair cost
Chain Sprocket Kit	• Noisy Operation • Failure of chain can cause fatal accident

Splendor+

HMCL Niloy Bangladesh Ltd.

JOBS APPLICABLE TO PERIODIC SERVICES

- Wash the vehicle, blow dry with air.
- Inspect fuel line at every service.
- Inspect throttle free play and operation at every service, adjust if necessary.
- Clean carburetor at first service then every 6000 km, adjust if necessary.
- Clean air cleaner element at every service. (replace at every 12000 kms).
- Inspect, clean spark plug at every service, adjust if necessary (replace at every 12000 kms).
- Inspect the valve clearance at every service, adjust if necessary.
- Replace engine oil or top up as per the maintenance schedule.
- Inspect electric starter operation at every service (optional).
- Inspect oil circulation at every service.
- Inspect, clean, lubricate and adjust the drive chain at every 2000 km.
- Inspect drive chain slider.
- Inspect battery voltage at every service and charge if required.
- Inspect battery electrolyte specific gravity and top up distilled water if required. Check routing of over flow tube.
- Inspect brake shoe wear at every service, adjust if necessary.
- Clean brake drum and lubricate brake system (brake cam & brake pedal).
- Inspect all lamps, horn and switches at every service, adjust if necessary.
- Inspect headlamp focus at every service, adjust if necessary.
- Inspect clutch free play at every service, adjust if necessary.
- Lubricate the side stand and main stand at every service.
- Inspect whether i3s system is working properly (optional).
- Inspect all the fasteners and tighten to the specified torque (if required).
- Inspect wheels, wheel bearings and tyre pressure at every service.
- Inspect steering for smooth operation, adjust in every alternate service and lubricate at every 12000 km.
- Inspect front suspension at every service, replace oil once in every 2 year or 30000 km whichever is earlier.
- Inspect rear suspension mounting bushes play, replace if necessary.
- Inspect the hoses for deterioration, damage or loose connections and canister for cracks or other damages.
- Polish entire vehicle.

SERVICE RECORD SHEET
To be Filled in by Supervisor

Free/Paid Service	Km. Range	Date	Km. Reading	Job Card No.	Engine Oil Top-up/ Replace	Authorised Distributor/Dealer (Sig. & Stamp)
I	500 - 750					
II	3000 - 3500					
III	6000 - 6500					
IV	9000 - 9500					
V	12000 - 12500					
VI	15000 - 15500					
VII	18000 - 18500					
VIII	21000 - 21500					
IX	24000 - 24500					
X	27000 - 27500					
XI	30000 - 30500					
XII	33000 - 33500					
XIII	36000 - 36500					
XIV	39000 - 39500					
XV	42000 - 42500					
XVI	45000 - 45500					
XVII	48000 - 48500					

NOTE

It is mandatory to avail all free and paid services as per the recommended schedule to be eligible for the warranty benefits. Please ensure that each paid service is availed within 90 days from the date of previous service or as per the recommended schedule, whichever is earlier.

SERVICE RECORD SHEET
To be Filled in by Supervisor

Free/Paid Service	Km. Range	Date	Km. Reading	Job Card No.	Engine Oil Top-up/ Replace	Authorised Distributor/Dealer (Sig. & Stamp)
XVIII	51000 - 51500					
XIX	54000 - 54500					
XX	57000 - 57500					
XXI	60000 - 60500					
XXII	63000 - 63500					
XXIII	66000 - 66500					
XXIV	69000 - 69500					
XXV	72000 - 72500					

REMARKS (IF ANY)

SERVICE ADVICE SHEET

Normal wear and tear components replacement advice

Date	Kms / Job Card No.	Advice	Authorised Distributor/Dealer (Sig. & Stamp)	Completion Dt. / Job Card No.

Splendor+

HMCL Niloy Bangladesh Ltd.

OWNERSHIP RECORD AND DATA

NAME_____

ADDRESS_____

MODEL _____ REGN. NO. _____

ENGINE NO._____ VIN_____

DATE OF PURCHASE _____ KM. READING _____

AUTHORISED DISTRIBUTOR/DEALER NAME _____

ADDRESS _____

_____

BATTERY MAKE_____ SERIAL NO. _____

AUTHORISED DISTRIBUTOR/DEALER
STAMP AND SIGNATURE