

## PREFACE

No: IB3 1A

Thank you for selecting a Hero MotoCorp **PLEASURE+** vehicle. We wish you many miles of continued riding pleasure in the years ahead.

We, at Hero MotoCorp, 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 Hero MotoCorp **PLEASURE+** vehicle. Please take time to read it carefully. As with any fine machine, proper care and maintenance is essential for trouble-free operation and optimum performance.

Your Authorised Distributor and Dealer(s) of the Distributor ("**Dealer**") will be glad to provide further information or assistance and is equipped 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.**

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## VEHICLE IDENTIFICATION



### Vehicle Identification Number (VIN)

**Location:** Stamped on the lower right side of the frame, visible from the window provided on right floor side cover.

### Engine No.

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

**VIN:** MBLJFW08#####

MBL	JFW08	#	#	#	#	#####
Manufacturer code	Vehicle Description	Check Digit	Model Year	Plant Code	Month of Manufacturing	Production Serial Number

**Engine No.:** JF33AD#####

JF33AD	#	#	#	#####
Engine Description	Year of Manufacturing	Assembly Plant	Month of Manufacturing	Serial Number

**Model:** PLEASURE+

Variants	VIN	Engine
Sheet metal wheel/Integrated braking	JFN05	JF33AD
Cast wheel/Integrated braking	JFW08	JF33AD

**VIN and Engine No. may be required:**

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

## VEHICLE SPECIFICATION

ITEM		SPECIFICATIONS
<b>Dimensions</b>		
Overall length		1769 mm
Overall width		704 mm
Overall height		1161 mm
Wheelbase		1238 mm
Saddle height		765 mm
Ground clearance		155 mm
<b>Weight</b>		
Kerb weight		101 kg
Payload		130 kg
<b>Capacities</b>		
Engine oil		0.80 litre at disassembly and 0.70 litre at draining
Transmission oil		0.12 litre at disassembly
		0.10 litre at draining
Fuel tank		4.8 litres
<b>Engine</b>		
Maximum power		6.0 kW(8 BHP) @ 7500 rpm
Maximum torque		8.70 N-m @ 5500 rpm
Bore and stroke		50.0x56.5 mm
Compression ratio		9.5:1
Displacement		110.9 cc
Spark plug		Champion-PRZ 9 HC (Federal Mogul)
Spark plug gap		0.6-0.7 mm
Valve clearance	Intake (cold)	0.14±0.02 mm
	Exhaust (cold)	0.14±0.02 mm
Idle speed		1700±200 rpm
<b>Chassis and suspension</b>		
Chassis type		High rigidity under bone type
Front suspension		Bottom link with spring loaded hydraulic damper
Rear suspension		Swing arm with spring loaded hydraulic damper
Caster angle		27° 30'
Tyre size	Front	90/100x10-53 J (Tubeless tyre)
	Rear	90/100x10-53 J (Tubeless tyre)

## VEHICLE SPECIFICATION

ITEM		SPECIFICATIONS
Front/Rear brake drum type		Internal expanding shoe type (Dia. 130 mm) <b>(Integrated braking system)</b>
<b>Transmission</b>		
Primary reduction		Variomatic (2.53-0.8)
Final reduction		50/20x49/13 (9.423)
Clutch system		Dry, automatic centrifugal clutch
<b>Electricals</b>		
Battery		12V-4Ah (ETZ-5) *MF Battery
Alternator		110 W @ 5000 rpm
Starting system		Electric start/Kick start
Headlamp (High/Low)		12V-35/35W Halogen bulb-**MFR
Tail/Stop lamp		12V 5W/21W **MFR
Turn signal lamp		12V 10W x 4 nos. (**MFR-Clear lens-Amber bulb)
Boot lamp		12V-40mA Maximum LED (White)
Meter illumination		12V-1.7Wx2 nos.
Turn signal indicator		12V-3.0Wx2 nos.
Hi beam indicator		12V-1.7W
Licence plate lamp		Integrated in rear tail lamp assy.
Side stand indicator		12V-1.7W
Fuse	Fuse box (1)	15A & 10A (Circuit fuse) 15A & 10A (Spare fuse)
	Fuse box (2)	10A (Circuit fuse) 10A (Spare fuse)

\* MF stands for Maintenance Free

\*\* MFR stands for Multi-Focal Reflector

## **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 (page 6).

#### **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 Hero MotoCorp for this vehicle. See (page 7) for more details.



## 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.

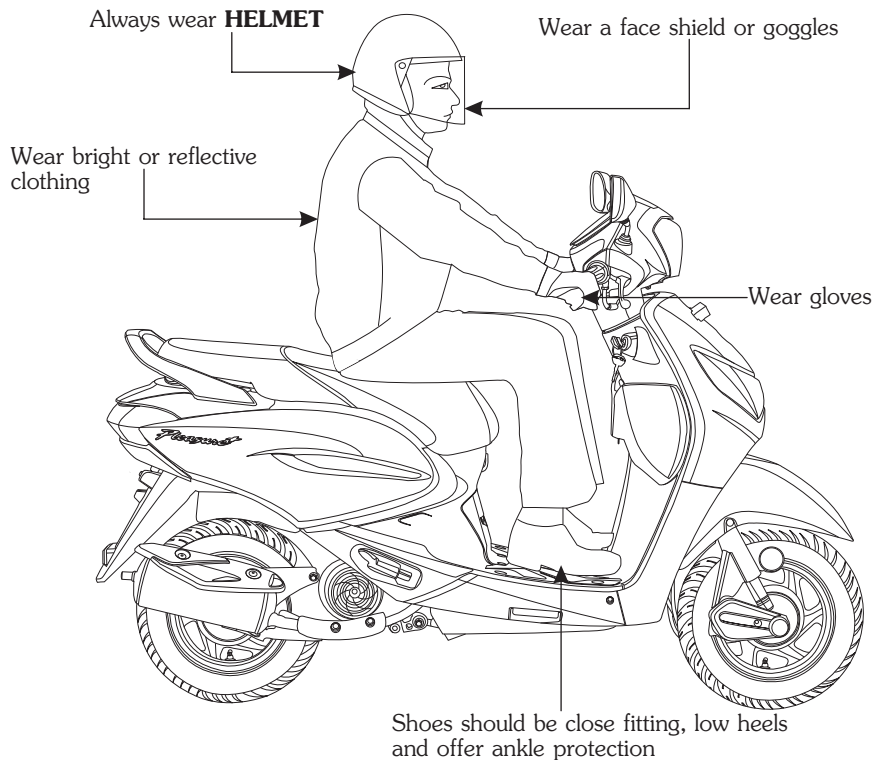
An open-face helmet offers some protection, but a full-face helmet offers more. Always wear face shield or goggles to protect your eyes and help your vision.

## 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.

## PROTECTIVE APPAREL



## LOAD LIMITS AND GUIDELINES

Your vehicle has been designed to carry you, one pillion and limited amount of cargo. When you add cargo or carry a passenger, you may feel some difference during acceleration and braking. But so long as you keep your vehicle well maintained, with good tyres and brakes, you can safely carry loads within the limits and guidelines.

However exceeding the weight limit or carrying an unbalanced load can seriously affect your vehicle's handling, braking and stability. Non Hero MotoCorp accessories, modifications, and poor maintenance can reduce your safety margin.

The following pages give more specific information on loading, accessories and modifications.

### Loading

How much weight you put on your vehicle, and how you load it, are important to your safety. Anytime you ride with a pillion or cargo you should be aware of the following information.

#### WARNING

- **Overloading or improper loading can cause a crash and you can be seriously injured.**
- **Follow all load limits and other loading guidelines in this manual.**

### Load limits

Following are the load limits for your vehicle:

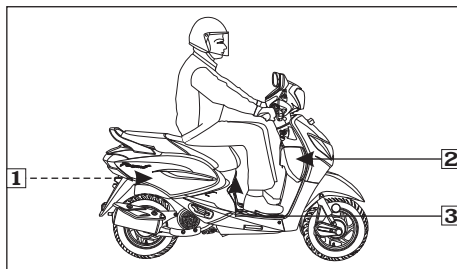
**Maximum weight capacity: 130 kg**

Includes the weight of the rider, pillion, all cargo and all accessories.

Putting too much weight in individual storage compartments can also affect stability and handling. So be sure to stay within the limits given below:

### Maximum weight:

Center compartment	: 10 kg
Inner rack or Front box	: 1.5 kg
Rear luggage hook	: 3.0 kg



- (1) Center compartment (inside)  
(2) Inner rack (3) Rear luggage hook

### Loading guidelines

Your vehicle is primarily intended for transporting you and a pillion. If you wish to carry more cargo, check with your Authorised Distributor/Dealer for advice and be sure to read the information regarding accessories on (page 8).

Improperly loading your vehicle can affect its stability and handling. Even if your vehicle is properly loaded, you should ride at reduced speeds whenever carrying cargo.

Follow these guidelines whenever you carry a pillion or cargo:

- Check that both tyres are properly inflated.
- To prevent loose items from creating a hazard, make sure the center compartment is closed and that any other cargo is securely tied down before you ride away.
- Place cargo weight as close to the center of the vehicle as possible.
- Balance cargo weight evenly on both sides.

## ACCESSORIES & MODIFICATIONS

Modifying your vehicle or using non-Hero MotoCorp accessories can make your vehicle unsafe. Before you consider making any modifications or adding any 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

We strongly recommend that you use only genuine Hero MotoCorp accessories that have been specifically designed and tested for your vehicle. Hero MotoCorp cannot test all other accessories, you must be personally responsible for proper selection, installation and use of non-Hero MotoCorp accessories. Check with your dealer for assistance and always follow these guidelines:

- Make sure the accessories does not obstruct any lamps, reduce ground clearance and banking angle, limit suspension travel or steering travel, alter your riding position or interfere with operating any controls.
- Be sure electrical equipment does not exceed the vehicle's electrical system capacity (**page 3**). A blown fuse can cause loss of lights.
- Do not pull a trailer or sidecar with your vehicle. This vehicle is not designed for these attachments, and their use can seriously impair your vehicle 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, muffler, emission control system or other equipment can also make your vehicle not meeting the emission standards.

## SAFE RIDING TIPS



### Do's:

- Always conduct simple pre-ride inspection (**page 34**).
- 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, keep your leg closed and sit in a comfortable position.
- Ride defensively and at a steady speed (between **40-50 km/hr**).
- To stop the vehicle (in Integrated brake system), press the rear brake lever for the application of front and rear brakes simultaneously. However, for more effective braking, it is advised to apply both front and rear brake simultaneously, keeping the throttle in 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.
- Take care of loose/hanging clothes while solo/pillion riding.
- Get your vehicle serviced regularly by the Authorised Distributor/Dealer.

### Don'ts:

- Never use cell phone while riding the vehicle.
- Avoid sudden acceleration, braking and turning of your vehicle.
- 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.
- Never take your hands off the steering handle while riding.

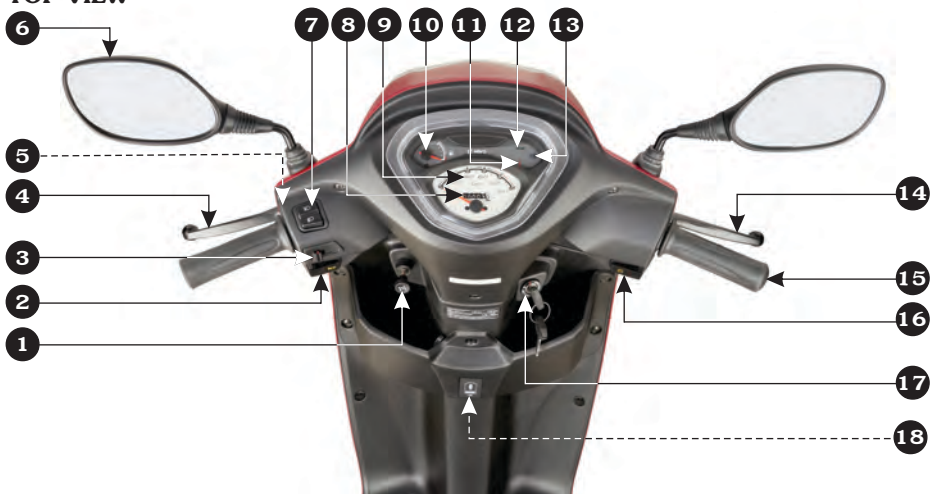
## TIPS FOR HEALTHY ENVIRONMENT

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.
- **Regular servicing:** Get your vehicle serviced at an Authorised service station, as per the service schedule, for an optimum performance and keep the emission level under check.
- **Genuine spares:** Always insist on Hero MotoCorp 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 SL grade (JASO MB) engine oil recommended by Hero MotoCorp 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.

## TOP VIEW

## VEHICLE VIEWS



- (1) Bystarter knob
- (2) Horn switch
- (3) Turn signal switch
- (4) Integrated brake lever
- (5) Parking lever
- (6) Rear view mirror
- (7) Dimmer switch
- (8) Odometer
- (9) Speedometer

- (10) Fuel gauge
- (11) Side stand indicator
- (12) Turn signal indicator
- (13) High beam indicator
- (14) Front brake lever
- (15) Throttle grip
- (16) Starter switch
- (17) Ignition switch with steering lock
- (18) USB charger

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

## LEFT SIDE VIEW



- (1) Side stand switch
- (2) Side stand
- (3) Main stand
- (4) Kick starter pedal
- (5) Pillion step
- (6) Rear turn signal lamp

- (7) Tail/stop lamp
- (8) Rear grip
- (9) Boot lamp (inside)
- (10) Luggage hook
- (11) Headlamp

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



## RIGHT SIDE VIEW



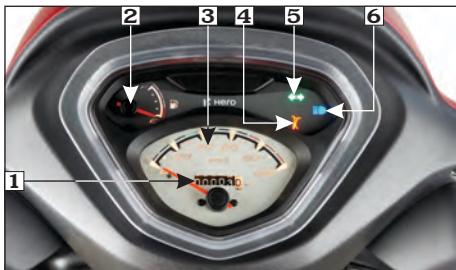
- |                             |                                   |
|-----------------------------|-----------------------------------|
| (1) Exhaust muffer          | (5) Front reflex reflector        |
| (2) Oil level dipstick      | (6) Front turn signal lamp        |
| (3) Pillion step            | (7) Center compartment (inside)   |
| (4) Inner rack or Front box | (8) Document compartment (inside) |

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

## PARTS FUNCTION

### INSTRUMENTS AND INDICATORS

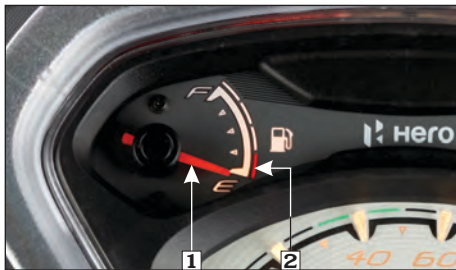
The indicators are in the speedometer panel above the headlamp. The functions are as below :



Sl. No.	Description	Function
1	Odometer	Shows accumulated distance travelled.
2	Fuel gauge	Indicates approximate fuel quantity.
3	Speedometer	Indicates driving speed.
4	Side stand indicator	Light glows when the vehicle is parked on the side stand.
5	Turn signal indicator	Flashes when turn signal switch is operated.
6	High beam indicator	Light glows when headlamp is in high beam.

### FUEL GAUGE

When the fuel gauge needle (1) enters the red band (2), fuel will be low and you should refill the tank as soon as possible.



(1) Fuel gauge needle

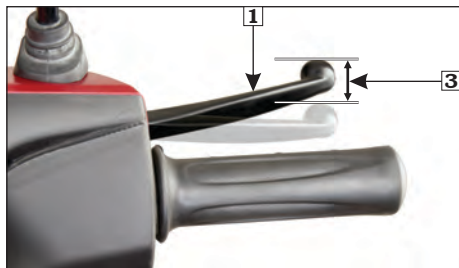
(2) Red band

## MAJOR COMPONENTS

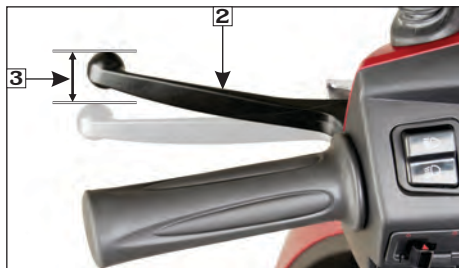
**(Information you need to operate this vehicle)**

### BRAKES (INTEGRATED BRAKING)

Brakes are items of personal safety and should always be maintained with proper adjustments. When one applies the left brake lever, front & rear brakes activate jointly.



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



(2) Integrated brake lever  
(3) Free play: 10-20 mm

The distance, the front brake lever (1) and integrated brake lever (2) moves before each brake starts to engage is called free play (3). Measured at the tip of brake levers, free play should be maintained at 10-20 mm.

### Right hand front brake cable (A) on “F” side

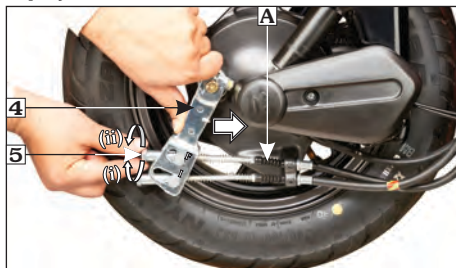
#### Adjustment

- Push the integrated brake arm (4) by hand in the direction as shown.
- Turn the first adjuster nut (5) till you cannot turn it by hand.

- Check the free play of front brake lever.

#### FREE PLAY: 10-20 mm

- If the free play is more than 20 mm further turn the adjuster nut to obtain desired free play.



(4) Integrated brake arm (5) First adjuster nut  
(i) Decrease free play (ii) Increase free play

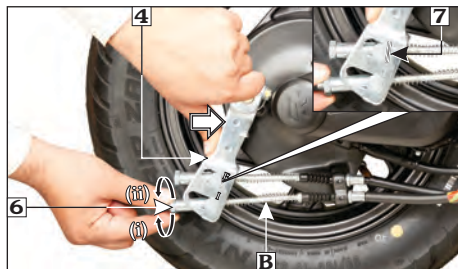


#### NOTE

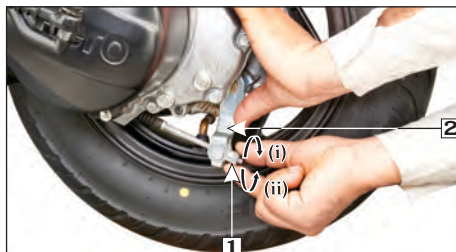
“F” & “I” is marked on integrated brake arm.

## Left hand front brake cable (B) on “I” side Adjustment

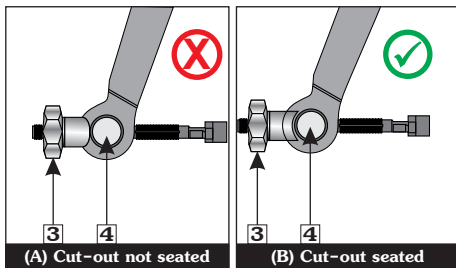
- Push the integrated brake arm (4) by hand in the direction as shown.
- Turn the second adjuster nut (6) until a gap is created between joint (7) and the slot on the first side in integrated brake arm.
- After ensuring the gap, turn the second adjuster nut counterclockwise by half rotation.



(6) Second adjuster nut (7) Joint  
(i) Decrease free play (ii) Increase free play



(1) Adjuster nut (2) Brake arm  
(i) Decrease free play (ii) Increase free play



(3) Adjusting nut (4) Brake joint pin

## REAR BRAKE

- Make free play adjustment by turning the adjuster nut (1) in the brake arm (2).
- Check the free play of integrated brake lever.

### FREE PLAY: 10-20 mm

- If the free play is more than 20 mm further turn the adjuster nut to obtain desired free play.

Make sure the cut-out on the adjusting nut (3) is seated on the brake joint pin (4) after making final free play adjustment.

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

### Other checks:

- Check brake cable for kinks or signs of wear that could cause sticking or failure.
- Make sure the brake arm spring and fasteners are in good condition.



## NOTE

**Apply the brake several times and check for free wheel rotation after the brake lever is released.**

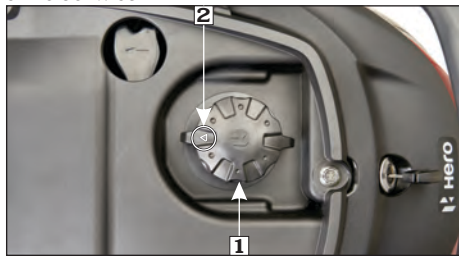
## FUEL

### (a) Fuel tank

The fuel tank is located under the seat.

The fuel tank capacity is **4.8 litres**.

To open the fuel filler cap (1), unlock and lift up the seat (**page 24**), then remove the fuel filler cap by turning it anticlockwise.



**(1) Fuel filler cap**

**(2) Arrow mark**

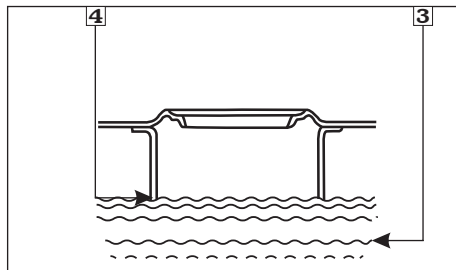
After refueling, be sure to tighten the fuel filler cap firmly by turning it clockwise. Make sure the arrow mark (2) on the fuel filler cap is aligned towards the front side of the vehicle.



## NOTE

**Tightening position of the fuel filler cap can change upto 20° (clockwise) from the standard position based on the variable tightening efforts done by different users.**

Do not overfill the tank. There should be no fuel (3) in the filler neck (4).



**(3) Fuel**

**(4) Filler neck**

We recommend that you use unleaded petrol because the muffler in the vehicle is fitted with a catalytic convertor, it also produces lesser deposits in engine and on spark plug, which extends the life of exhaust system and other components.



## NOTE

**If "Spark knock" or "pinking" occurs at a steady engine speed under normal load, change petrol brand. If the same still persists, consult your Authorised Distributor/Dealer. Failure to do so is considered misuse, and damage caused by misuse is not covered under Hero MotoCorp warranty policy.**

### (b) Petrol containing alcohol

If you decide to use a petrol containing alcohol (gasohol), be sure its octane rating is at least as high as that recommended by Hero MotoCorp.

There are two types of "gasohol", one containing ethanol, and the other containing methanol. Do not use petrol that contains more than **10%** of ethanol.

Do not use petrol containing methanol (methyl or wood alcohol) that does not contain cosolvents and corrosion inhibitors for methanol.

Never use petrol containing more than **5%** methanol, even if it has cosolvents and corrosion inhibitors.

- When certain type of petrol containing alcohols are used, problems such as hard starting, poor performance, etc. may occur.
- If you notice any undesirable operating symptoms while using the petrol that contains alcohol, try another station or switch to another brand of petrol.
- When a problem resulting from the use of petrol containing alcohol occurs, contact your Authorised Distributor/Dealer.

### **CAUTION**

***When the fuel level indicator displays the last segment in the fuel gauge, the fuel quantity in the fuel tank is low. Please fill petrol once the fuel level indicator reaches the last segment.***

### **WARNING**

- ***Petrol is highly flammable and explosive. You can be burned or seriously injured when handling fuel.***
- ***Stop the engine and keep heat, sparks and flame away.***
- ***Refuel only outdoors.***
- ***Wipe off spills immediately.***

## **TYRES (TUBELESS)**

The tyres fitted on your vehicle are of TUBELESS type.

To safely operate your vehicle, your tyres must be of the proper type and size in good condition with adequate tread and correctly inflated for the load you are carrying. The following pages give more detailed information on how and when to check the air pressure, how to inspect your tyres for damage and what to do when your tyres need to be repaired or replaced.

### **WARNING**

- ***Riding on tyres that are excessively worn or improperly inflated can cause a crash in which you can be seriously hurt or killed.***
- ***Follow all instructions in this owner's manual regarding tyres inflation and maintenance.***

## **Air pressure**

Keeping your tyres properly inflated provides 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.

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

We recommend that you visually check your tyres before every ride and use a gauge to measure air pressure at least once a month or any time you think the tyre pressure might be low.

Tubeless tyres have some self-sealing ability if they are punctured. However, because leakage is often very slow, you should look closely for punctures whenever a tyre is not fully inflated.

Always check air pressure when your tyres are "cold"—when the vehicle has been parked for at least three hours. If you check air pressure when your tyres are "warm"—when the vehicle has been ridden for even a few km—the readings will be higher than if the tyres were "cold". This is normal, so do not let air out of the tyres to match the recommended cold air pressures given below. If you do, the tyres will be under-inflated.

The recommended "cold" tyre pressures are:

	<b>Rider only</b>	<b>Rider and Pillion</b>
<b>Front</b>	1.50 kgf/cm <sup>2</sup> (22 psi)	1.50 kgf/cm <sup>2</sup> (22 psi)
<b>Rear</b>	2.00 kgf/cm <sup>2</sup> (29 psi)	2.50 kgf/cm <sup>2</sup> (36 psi)



**(1) Air pressure gauge**

## **! CAUTION**

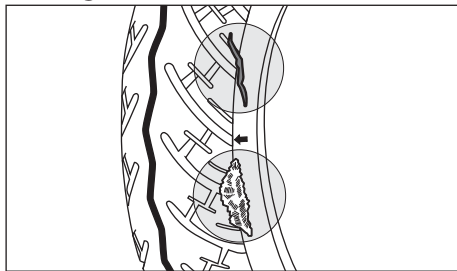
***Over inflation/Under inflation will affect the performance.***

### **Inspection**

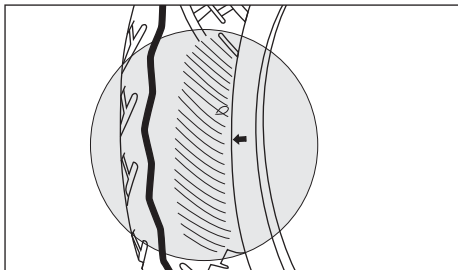
Whenever you check the tyre pressure, you should also examine tyre treads & side walls for wear, damage & foreign objects.

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.



- Carefully inspect the tyres for any damage, if the vehicle hits a pothole or hard object.

### **Tread wear**

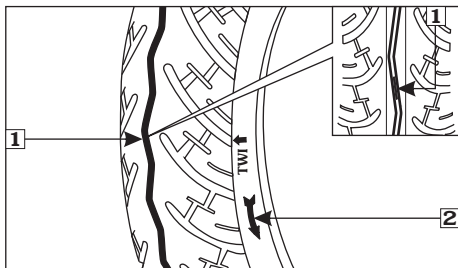
Replace tyres immediately when the tyres get worn upto the wear indicator (1) on the tyre. The tread limits are :

### **Minimum tread depth:**

**Front:** 1.0 mm

**Rear:** 1.0 mm

Check the tread wear indicator for tyre wear.



(1) Tread wear indicator (2) Arrow mark

### **Unidirectional tyres**

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

### **Tyre repair**

If a tyre is punctured or damaged, you should replace it, not repair it. As mentioned below, a tyre that is repaired either temporarily or permanently, will have lower speed and performance limits than a new tyre.

A temporarily repaired, such as an external tubeless tyre plug, may not be safe for normal speeds and riding conditions. If a temporary or emergency repair is made to a tyre, you should ride slowly cautiously to your Authorised Distributor/Dealer and have the tyre replaced. If possible you should not carry a pillion or load until a new tyre is installed. Even if a tyre is professionally repaired with a permanent internal patch plug, it will not be as good as a new tyre.

You should not exceed **70 km/hour** for the 1st 24 hours or **105 km/hour** at any time thereafter. In addition you may not be able to safely carry as much load as with a new tyre. Therefore, we strongly recommend that you replace a damaged tyre. If you decide to have a tyre replaced be sure the wheel is balanced before you ride.





### WARNING

- *Riding on tyres that are excessively worn or improperly inflated can cause a crash in which you can be seriously hurt and killed.*
- *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.*
- *Always use the size and type of tyres recommended in this owner's manual.*

### Tyre replacement

The tyres that were installed on your vehicle were designed to match the performance capabilities of your vehicle and provide the best combination of handling, braking, durability and comfort.

The recommended tyre for your vehicle are:

**Front:** 90/100x10-53J (Tubeless tyre)

**Rear:** 90/100x10-53J (Tubeless tyre)



### NOTE

*For repair and replacement of tyre it is advised to visit your Authorised Distributor/Dealer.*

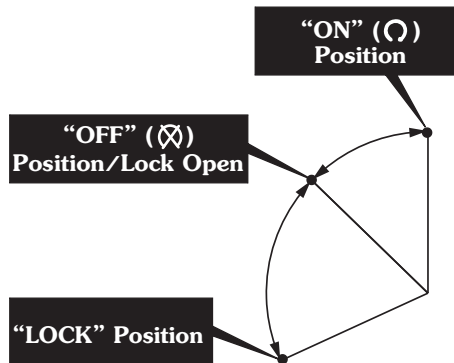
### Important safety reminders

- Do not install a tube inside a tubeless tyre on this vehicle. Excessive heat buildup can cause the tube to burst.
- Use only tubeless tyres on this vehicle. The rims are designed for tubeless tyres and during hard acceleration or braking, a tube-type tyre could slip on the rim and cause the tyre to rapidly deflate.

## ESSENTIAL INDIVIDUAL COMPONENTS

### IGNITION SWITCH

The ignition switch (1) is on the right side below the steering.



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

Key position	Function	Key removal
<b>“ON” (ⓘ)</b>	The engine can be started, Turn signal indicators, Horn, Tail/Stop lamp and Fuel gauge will be functional.	Key cannot be removed
<b>“OFF” (ⓧ)</b>	Engine cannot be started and no electrical system will be functional.	Key can be removed
<b>“LOCK”</b>	Steering can be locked.	Key can be removed

## HANDLEBAR SWITCHES CONTROL

### Left handlebar controls

#### 1. Dimmer switch

Press the switch upwards for high beam “” and downwards for low beam “”.

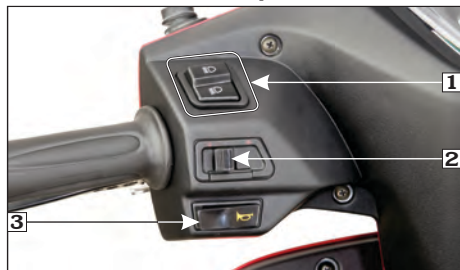
#### 2. Turn signal switch ( )

Shift the turn signal switch 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 after completing the turn, gently push inside as directed on the switch.

#### 3. Horn switch ()

Press the horn switch to operate the horn.



(1) Dimmer switch

(2) Turn signal switch    (3) Horn switch

### Right handlebar controls

#### (1) Electric starter switch ()

The electric starter switch (1) is next to the throttle grip.

When the starter electric switch is pressed, the

starter motor cranks the engine with the front or integrated brake lever applied.



(1) Electric starter switch

## FEATURES

### (a) Steering lock

To lock the steering, turn the handle bar all the way to the left, insert the key in “OFF” position and turn it anti clockwise direction to “LOCK” position while pushing in and then remove the key.



(1) Ignition switch

(A) Push in

(B) Turn to lock

**! CAUTION**

***Do not try to turn the key to "LOCK" position while riding the vehicle, which may lead to loss of vehicle control.***

**(b) Seat lock**

The seat lock switch (1) is provided on the tail/stop lamp cover.



**(1) Seat lock**

**(2) Ignition key**

To unlock the seat, insert the ignition key (2) and turn in clockwise direction. The seat will release from its latch.

To lock the seat, push down until it locks. Make sure the seat is secure before riding.

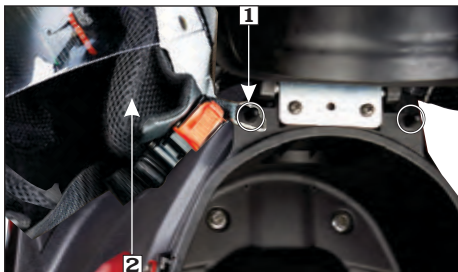
**! CAUTION**

***Gently close the seat by hand. Sudden dropping of the seat may result in breaking the seat lock and malfunction of the lock.***

**(c) Helmet holder**

Two helmet holders (1) are located under the seat to access the holder or to secure a helmet (2) to the holder.

- Open the seat.
- Attach/Hook the helmet strap or ring to the helmet holder and close the seat.
- To release the helmet from the holder:
  - Open the seat.
  - Remove the helmet from the holder and close the seat.



**(1) Helmet holder**

**(2) Helmet**

**! WARNING**

- ***Riding with a helmet attached to the holder can interfere with the objects and could cause a loss of control/crash in which you can be seriously hurt.***
- ***Use the helmet holder only while parked. Do not ride with a helmet secured by the holder.***



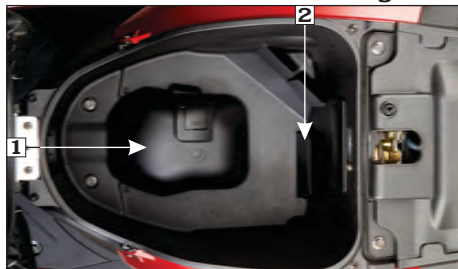
**NOTE**

***Place the helmet inside the luggage compartment if you wish to carry along with the vehicle.***

#### (d) Center compartment

The center compartment (1) is below the seat. For opening and closing the seat lock, see (page 24).

**MAXIMUM WEIGHT LIMIT: 10 kg**



**(1) Center compartment**

**(2) Document compartment**

Never exceed the maximum weight limit, handling and stability may be severely affected. The center compartment may become heated by the engine. Do not store food and other articles which are flammable or susceptible to heat damage.

Do not direct pressurised water spray against the center compartment as water may enter into the compartment.

#### (e) Document compartment/Tool kit holder

The document compartment (2) and tool kit holder (3) is located in the center compartment below the seat.

The owner's manual, other documents, tool kit can be stored in it.



**(3) Tool kit holder**



#### NOTE

*When washing your vehicle, be careful not to flood this area with water.*



#### CAUTION

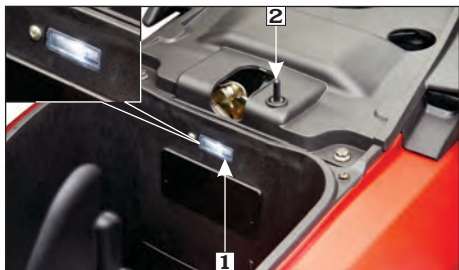
*Before the vehicle is pressure washed the items kept inside the center compartment should be removed to prevent consequential damage.*

#### (f) Boot lamp

A boot lamp (1) is provided in the center compartment. This boot lamp will be functional only when the seat is open. For opening and closing the seat lock, see (page 24).

#### (g) Boot lamp switch

An automated switch (2) is provided on the center compartment, which enables the boot lamp to glow when the seat is in open condition and goes off automatically when the seat is closed.

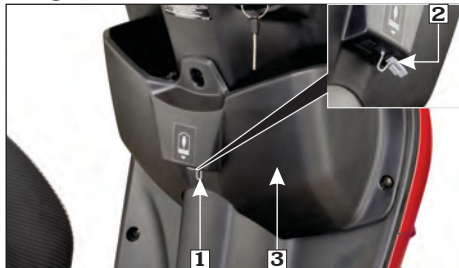


**(1) Boot lamp**

**(2) Switch**

### **(h) USB charger**

A USB charger (1) with a cap (2) located in the inner rack (3) is provided in your vehicle to charge your mobile phone safely while riding.



**(1) USB charger**

**(2) Cap**

**(3) Inner rack**

To connect a mobile phone charger cable, first remove the cap from the USB charger and then plug in the charging cable to it.

Use of non-standard USB cable may cause damage to the mobile phones.

Hero MotoCorp will not be responsible for damages caused due to use of non-standard USB cable.

### **! CAUTION**

- *Always place the device in a soft clean cloth/towel to avoid any damage due to road shocks while riding.*
- *This port is for charging compatible USB devices.*
- *Multiple charging of USB devices have to be avoided, simultaneous charging may lead to slow or no charging.*
- *Do not leave the USB device and USB cable in the inner rack when the vehicle is parked.*
- *Charge your device only when the engine is operational/while riding. Charging the USB device when the engine is "OFF" would lead to early discharge of battery.*



### **NOTE**

- *Do not apply any soap solution, oil or grease inside the USB charger.*
- *Any personal belongings have to be removed before water washing to avoid damage.*
- *Always keep the USB port cap closed after use to prevent dust or water entry during rains/water wash.*
- *Do not direct water jet towards the port even with cap closed to avoid any short circuit. Always dry the area using a dry cloth or moisture free compressed air before use.*

### (h) Luggage hook

The luggage hook (1) is located below the front end of the seat.

**MAXIMUM WEIGHT LIMIT: 3.0 kg**



**(1) Luggage hook**



### WARNING

- Do not exceed the maximum weight limits for the luggage hook.
- Do not hang large luggage to the hook that would hang out from the vehicle and or interfere with the movement of your feet.

### (i) Inner rack or Front box

The inner rack (1) is provided to carry some items, documents, etc.

**MAXIMUM WEIGHT LIMIT: 1.5 kg**

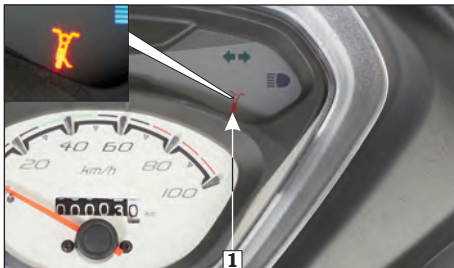
Never exceed the maximum weight limit of the inner rack otherwise handling and stability may be severely affected.



**(1) Inner rack**

### (j) Side stand indicator

For the safety of the customer, a side stand indicator (1) is provided. If the side stand is down (Ignition switch “ON”), side stand indicator lamp glows in the speedometer panel.



**(1) Side stand indicator**

### (k) Side stand switch/Side stand

A side stand switch (2) is provided in the side stand, when the side stand is down (Ignition Switch “ON”), the switch enables the side stand indicator lamp to glow on the



speedometer panel.

- Check the side stand for proper function and the spring (3) for damage or loss of tension and the side stand assembly for free movement.
- Check whether the side stand indicator (1) glows when the side stand is down.
- When the side stand is up, the side stand indicator (1) should not glow.
- If the side stand indicator (1) does not operate as described in above steps, please visit your Authorised Distributor/Dealer.



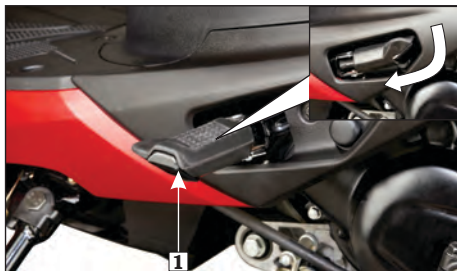
(2) Side stand switch (3) Side stand spring

### **! CAUTION**

*Ensure that adequate care should be taken while cleaning the side stand switch.*

#### **(l) Pillion footrest**

Move the left and right (1 & 2) footrest in the direction shown by arrows to open. Folding can be done by moving footrest in the reverse direction.



(1) Left footrest



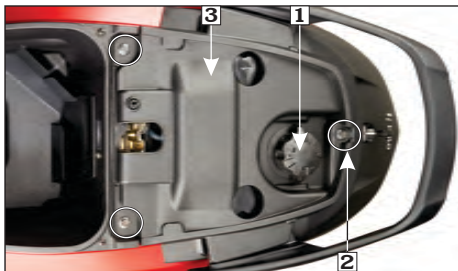
(2) Right footrest

## **BODY PARTS REMOVAL**

### **(a) Center compartment Removal**

- Open the seat (**page 24**).
- Remove the fuel filler cap (1).
- Remove the bolts (2) and the fuel tank cover (3).





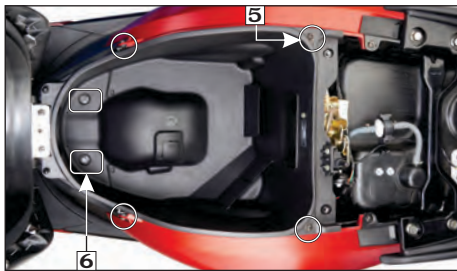
(1) Fuel filler cap  
(3) Fuel tank cover  
(2) Bolts

- Remove the drain pipe (4).



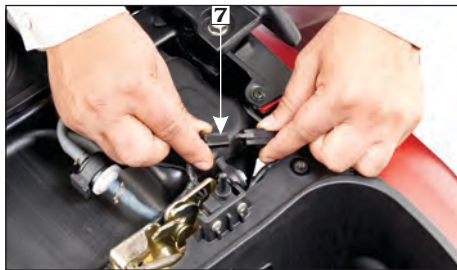
(4) Drain pipe

- Install the fuel filler cap (**page 17**).
- Remove the center compartment screw (5) and bolts (6)



(5) Screws  
(6) Bolts

- Disconnect boot lamp connector (7).



(7) Boot lamp connector

- Remove center compartment (8).



#### NOTE

***Park the vehicle on its main stand when servicing the vehicle with the center compartment removed.***



**(8) Center compartment**

### Installation

Installation is in the reverse order of removal.

### (b) Body cover

#### Removal

- Remove center compartment (**page 28**).
- Remove the screws (1) and rear center cover (2) by dislodging the tabs.



**(1) Screws**

**(2) Rear center cover**

- Remove the screws (3) from both left and right side body covers.

- Remove right side body cover (4) by dislodging the tabs.
- Similarly remove left side body cover.



**(3) Screws**

**(4) Right side body cover**

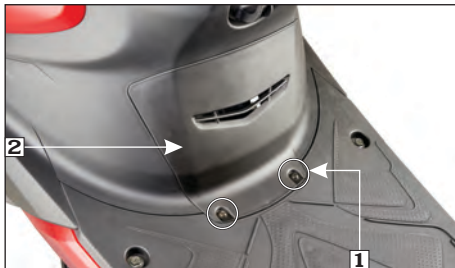
### Installation

Installation is in the reverse order of removal.

### (c) Center cover

#### Removal

- Remove the screws (1) from the center cover.



**(1) Screws**

**(2) Center cover**

- Remove the center cover (2).

### Installation

Installation is in the reverse order of removal.

### (d) Rear grip

#### Removal

- Open the seat (page 24).
- Remove the fuel tank cover (page 28).
- Remove the bolts (1).
- Remove the rear grip (2).



(1) Bolts

(2) Rear grip

### Installation

Installation is in the reverse order of removal.

### (e) Front upper cover

#### Removal

- Remove screws (1) from the front end of the vehicle.



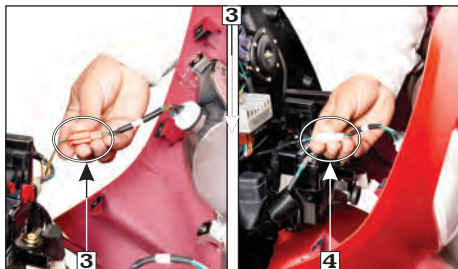
(1) Screws

- Remove screws (2) from the inner side.



(2) Screws

- Disconnect the left turn signal lamp connector (3) and right turn signal lamp connector (4).



**(3) Left turn signal lamp connector**  
**(4) Right turn signal lamp connector**

- Remove the front upper cover (5) by dislodging the tabs.



**(5) Front upper cover**

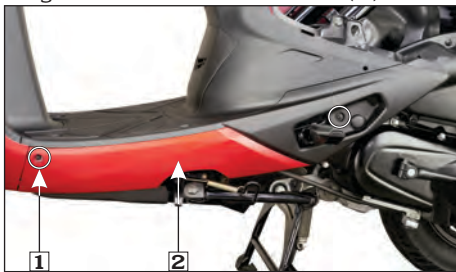
## Installation

Installation is in the reverse order of removal.

## (f) Floor side cover

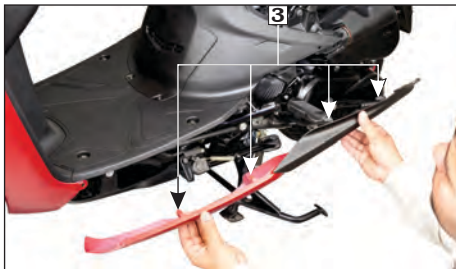
### Removal

- Open the pillion footrest (**page 28**).
- Remove the two screws (1) from left and right side of the floor side covers (2).



**(1) Screws** **(2) Floor side cover**

- To dislodge the tabs (3), slide the floor side covers to the rear side and pullout the floor side cover.



**(3) Tabs**

## Installation

Installation is in the reverse order of removal.



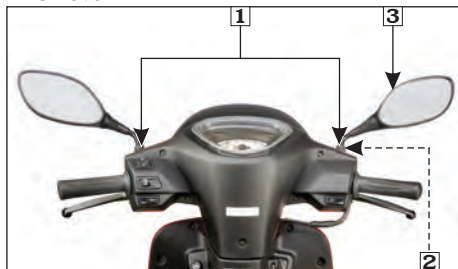
### NOTE

- To remove the left floor side cover, open the side stand.
- Ensure that the floor side cover tabs are seated properly.

## (g) Rear view mirror

### Removal

- Slide the dust cover up (1).
- Loosen the lock nut (2) until it will no longer turn.
- Loosen the rear view mirror (3) and remove it.



(1) Dust cover  
(3) Rear view mirror

(2) Lock nut

### Installation

- Install the rear view mirror until it will no longer turn.
- Loosen the rear view mirror approximately 2 turns.
- Adjust the rear view mirror.

- Tighten the lock nut.
- Slide the dust cover back to its position.



### NOTE

To open the right side rear view mirror the threads are to be loosened in clockwise direction and tightened in anticlockwise direction.

## (h) Headlamp case

### Removal

- Remove the rear view mirror.
- Remove screw (1) from front handlebar cover (2).



(1) Screw

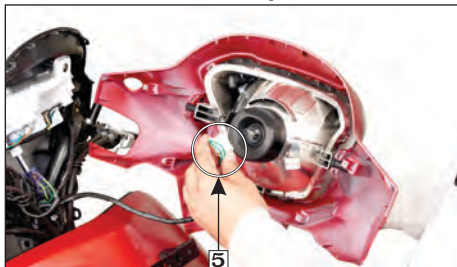
(2) Handlebar cover

- Remove the screws (3) on rear handlebar cover (4).



**(3) Screws**      **(4) Rear handlebar cover**

- Pull the headlamp case slightly up, carefully release the tabs from the slots.
- Disconnect the headlamp connector (5) and remove the headlamp case.



**(5) Headlamp connector**

### Installation

Installation is in the reverse order of removal.

### (i) Headlamp focus adjustment (Vertical adjustment)

Headlamp focus is factory preset. However in

case of adjustment required please follow the steps as given below.

- Park the vehicle on main stand on a level ground in front of a wall.
- Turn the ignition to “ON” position (O).
- Loosen the bolt (1) and move the headlamp up (A) or down (B) for correct focus.



**(1) Bolt**      **(A) Up**      **(B) Down**

### ! WARNING

*An improperly adjusted headlamp may blind oncoming driver or it may fail to light the road for safe distance.*

### PRE-RIDE INSPECTION

For your safety, it is very important to take a few moments before each ride to walk around your vehicle and check its condition. If you detect any problem, be sure you take care of it or have it corrected by your Authorised Distributor/Dealer.





## WARNING

- **Improper maintenance or failing to correct a problem before riding can cause a crash in which you can be seriously injured.**
- **Always perform a pre-ride inspection before every ride and correct if any problem.**
- **Engine oil level**—Add engine oil if required (page 53). Check for leaks.
- **Fuel level**—Fill fuel tank when necessary (page 17). Check for leaks.
- **Front and Integrated brakes**—Check operation and if necessary, adjust free play (pages 15).
- **Tyres**—Check condition and pressure (pages 18).
- **Throttle**—Check for smooth opening and full closing in all steering positions.
- **Lamps and horn**—Check that headlamp, tail/stop lamp, turn signal lamps, indicators 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.
- **Fitting & fasteners**—Check & tighten if necessary.
- **Steering**—Check for smooth action for easy maneuverability.
- **Air suction valve**—Make sure all tube connections are secured properly (page 63).
- **Side stand indicator**—Make sure that the side stand is up. If it is in down position the side stand indicator (page 27) will glow on the speedometer panel.

## ANTI-THEFT TIPS

- **Always lock the steering and never leave the key in the ignition switch.** This sounds simple but people do forget.
- Be sure the registration information for your vehicle is accurate and current.
- 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 far as possible in a designated parking 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 : \_\_\_\_\_

## STARTING THE ENGINE

Always follow the proper starting procedure described below. This vehicle has an automatic fuel valve.

Operate the kick starter or electric starter switch for slightly longer than usual without opening the throttle if the vehicle has been left standing for a long time or when the fuel tank

has just been refilled.



### NOTE

***Do not use the electric starter for more than 5 seconds at a time. Release the starter switch for approximately 10 seconds before pressing it again.***

Your vehicle's exhaust contains poisonous carbon monoxide gas. High levels of carbon monoxide can collect rapidly in enclosed areas such as a garage. Do not run the engine with the garage door closed. Even with the door open, run the engine only long enough to move your vehicle out of the garage.

Do not use the electric starter for more than 5 seconds at a time. Release the starter switch for approximately 10 seconds before pressing it again.



### CAUTION

***Do not attempt to start the engine and run the vehicle without a battery. This may lead to electrical and electronic components failure.***

- Park the vehicle on its main stand.
- Lock the rear wheel by pressing the integrated brake lever (1) and locking the parking lever (2).

The electric starter will only work when the integrated or front brake lever is operated.



(1) Integrated brake lever (2) Parking lever



### WARNING

- ***Contact with the rotating rear wheel can injure you.***
- ***Set the parking lever when the vehicle is on its main stand.***



### NOTE

***The vehicle is equipped with bystarter system. Do not accelerate while starting the engine by using an electric starter or kick starter.***

- Turn the ignition switch (3) to "ON".

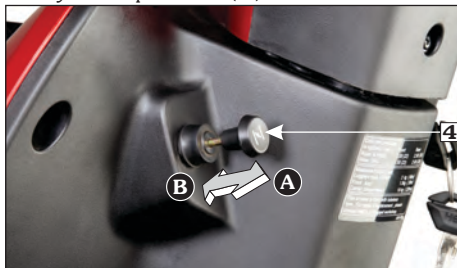




**(3) Ignition switch**

### Cold engine

- Pull the bystarter knob (4) out all the way to fully “ON” position (A).



**(4) Bystarter knob**

**(A) Fully “ON”**

**(B) Fully “OFF”**

- Use starter switch:  
With the throttle closed and brake lever (front or rear) pressed, press the starter switch.

- Use kick starter:  
With the throttle closed, operate the kick starter with a rapid and continuous motion.
- Continue warming up the engine until it runs smoothly and responds to the throttle, when the bystarter knob is at “OFF” position (B).

### Warm engine

- Do not use the bystarter.
- Use starter switch:  
With the throttle closed and brake lever (front or rear) pressed, press the starter switch.
- Use kick starter:  
With the throttle closed, operate the kick starter with a rapid and continuous motion.

### RUNNING-IN

Ensure your vehicle’s future reliability and performance by paying extra attention to how you ride during the first 500 km.

During this period, avoid full-throttle starts and rapid acceleration.

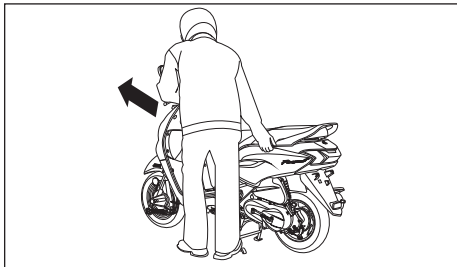
### RIDING

Review vehicle safety (**pages 4**) before you ride.

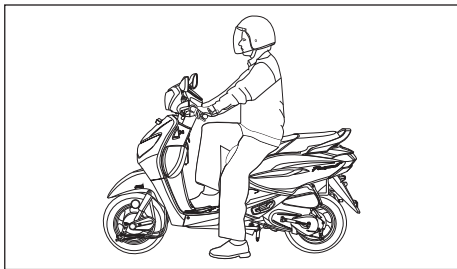
- **Make sure the throttle is closed and the integrated brake is locked** before moving the vehicle off the main stand.

The rear wheel must be locked when moving the vehicle off the main stand or it may result in loss of control.

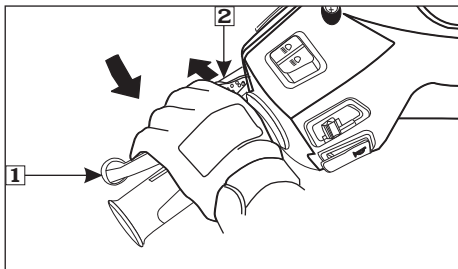
- **Stand on the left side of the vehicle** and push it forward off the main stand gripping below the seat using the right hand as shown.



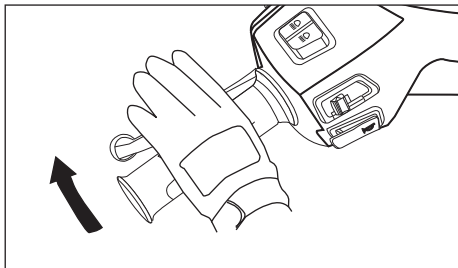
- **Mount the vehicle from the left side** keeping at least one foot on the ground to steady the vehicle.



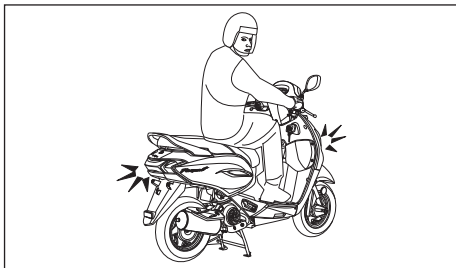
- **Unlock the integrated brake** by further pressing the integrated brake lever (1) so as to release the parking lever (2) from the lock. Then release the brake lever.



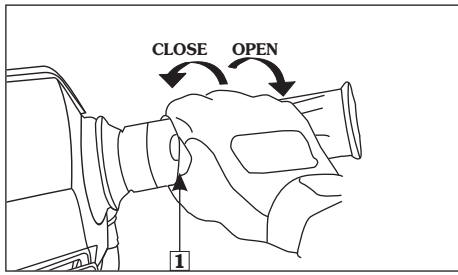
(1) Integrated brake lever (2) Parking lever



- **Before starting**, indicate your direction with the turn signals, and check for safe traffic conditions. Grab the handle bars firmly with both hands. Never attempt one-handed operation, this could lead to loss of vehicle control.

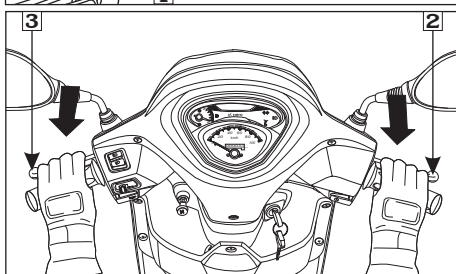
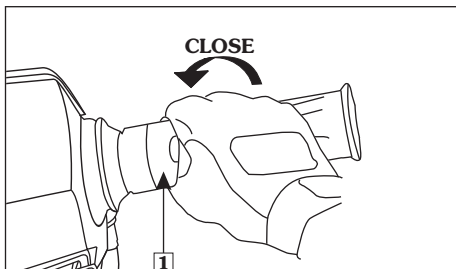


- **To accelerate**, open the throttle (1) gradually, the vehicle will move forward. Do not open and close throttle rapidly, as it will make the vehicle to move forward suddenly, causing possible loss of control and loss of fuel economy. Do not accelerate with the brakes applied, this may lead to premature wear of brakes and transmission parts.
- **To decelerate**, close the throttle.



(1) Throttle

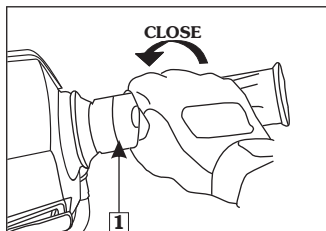
- **When slowing down the vehicle**, coordination of the throttle (1), front (2) and integrated brake (3) is most important. Since the vehicle is equipped with an integrated braking, by pressing the brake lever provided on the left side of the handlebar would ensure both front and rear brakes applied simultaneously. Excessive brake application may cause the wheels to lock, reducing control over the vehicle.



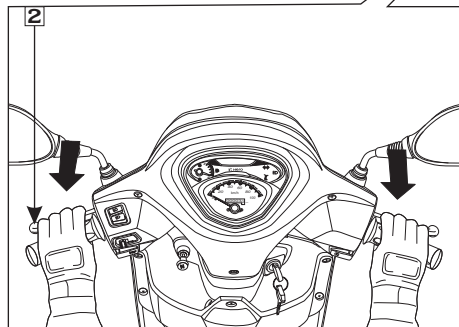
(2) Front brake

(3) Integrated brake

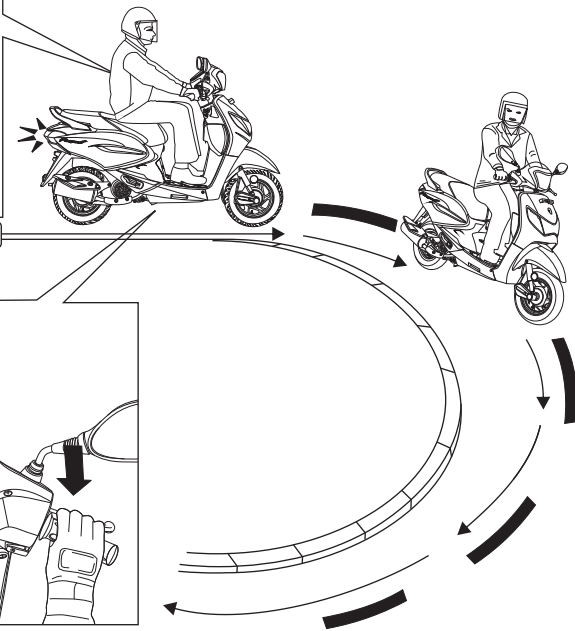
- **When approaching a corner or turn,** close the throttle (1) fully, and slow down the vehicle by applying integrated brake (2).
- **After completing the turn,** open the throttle gradually to accelerate the vehicle.



**(1) Throttle**

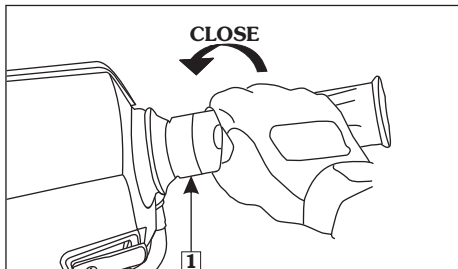


**(2) Integrated brake**

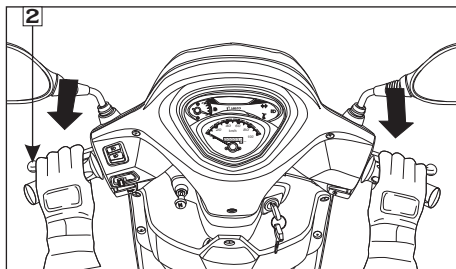


- **When descending a steep gradient,** close throttle (1) fully and apply integrated brake (2) to slow down the vehicle.

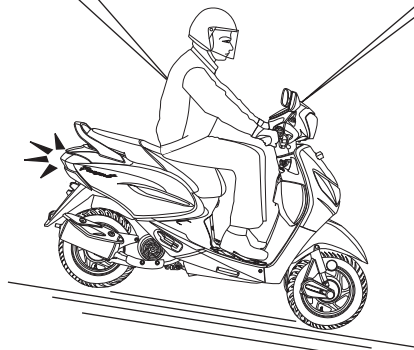
Avoid continuous use of the brakes, which may result in overheating and reduction of braking efficiency.



(1) Throttle



(2) Integrated brake



- **When riding on wet or loose surfaces, be cautious.**

When riding in wet or rainy conditions or on loose surfaces, the ability to manoeuvre and stop will be reduced.

- For your safety:
  - Exercise extreme caution when braking, accelerating or turning.
  - Ride at slower speeds and allow for extra stopping distance.
  - Keep the vehicle as upright as possible.
  - Be cautious when riding over slippery surfaces such as railway tracks, iron plates, manhole covers, painted lines, etc.

## PARKING

- After stopping the vehicle turn the ignition switch to "OFF" position.
- Use the main stand to support the vehicle while parked, lock and remove the key.



### NOTE

- **Park the vehicle on firm, level surface to prevent it from falling over.**
- **If you must park on a slight incline, aim the front of the vehicle uphill to reduce the possibility of rolling off the main stand or overturning.**

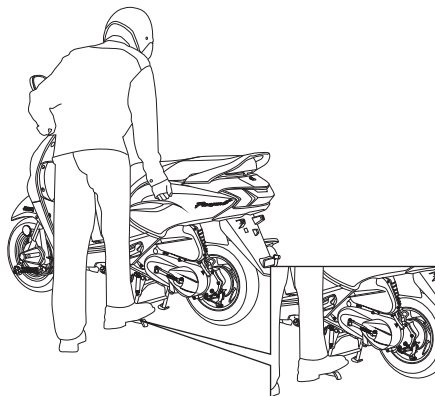
- Lock the steering to prevent theft.



### CAUTION

**The exhaust pipe and muffler become very hot during operation and remain sufficiently hot to inflict burns if touched even after turning off the engine.**

## HOW TO USE MAIN STAND



## STEERING LOCK



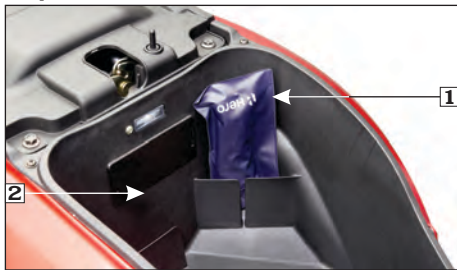
(1) Ignition key (A) Push in (B) Turn to lock

## TOOL KIT

The tool kit (1) is located in the center compartment (2).

Some roadside repairs, minor adjustments and parts replacement can be performed with the tools available in the kit.

- +-No. 2 driver
- Grip
- Tool bag
- Wrench plug 16
- Spanner 14



(1) Tool kit

(2) Center compartment

## CLEANING OF VEHICLE

Clean your vehicle regularly to protect the surface finishes and inspect for damage, wear and oil leakage.

Avoid cleaning products that are not specifically designed for vehicle or automobile surfaces.

They may contain harsh detergents or chemical solvents that could damage the metal, paint and plastic parts on your vehicle.

If your vehicle is still warm from recent operation, give time for the engine and exhaust system to cool down.

We recommend avoiding the use of high pressure water spray.



### CAUTION

- *We at workshop take all above mentioned precautions like recommended detergents and usage of muffler caps/plugs during wash to ensure quality wash.*
- *High pressure water (or air) can damage certain parts of the vehicle.*

## WASHING OF VEHICLE

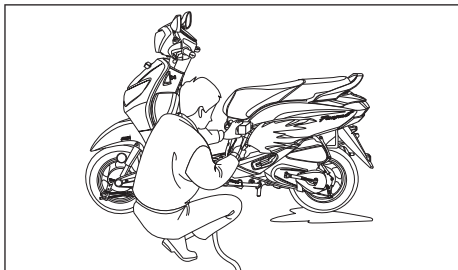
- Rinse the vehicle thoroughly with water to remove loose dirt.
- Clean the vehicle with a sponge or soft cloth using water.
- Avoid directing water to meter console, muffler outlets and electrical parts.
- Clean the plastic parts using a cloth or sponge dampened with a solution of mild

detergent and water. Rub the soiled area gently rinsing it frequently with fresh water.



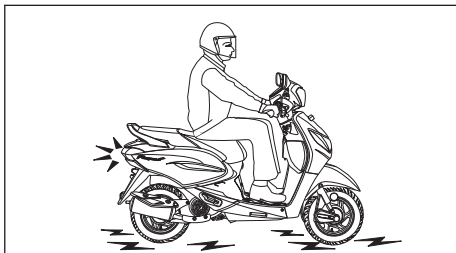
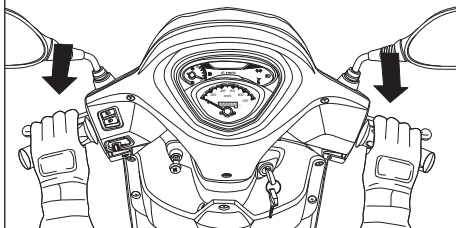
### NOTE

- **Take care to keep brake fluid or chemical solvents off the vehicle. They will damage the plastic and painted surfaces.**
- **The inside of the headlamp lens may be clouded immediately after washing the vehicle. Moisture condensation inside the headlamp lens will disappear gradually by lighting the headlamp in high beam.**
- After cleaning, rinse the vehicle thoroughly with plenty of clean water. Strong detergent residue can corrode alloy parts.
- Dry the vehicle with pressurized air, start the engine and let it run for several minutes.



- Test the brakes before riding the vehicle. Several applications may be necessary to restore normal braking performance.

### TEST BRAKES



- Braking efficiency may be temporarily impaired immediately after washing the vehicle.
- Anticipate longer stopping distance to avoid a possible accident.



## MAINTENANCE

### Importance of maintenance

A well maintained vehicle is essential for safe, economical and trouble free riding. It will also help reduce air pollution.

To help you to take proper care for 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 recommendations applicable to your individual needs and use.

If your vehicle overturns or gets involved in an accident, 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 an accident in which you can be seriously injured.***
- ***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 turned “OFF” before you begin any maintenance or repair. This will help eliminate several potential hazards:
  - **Carbon monoxide poisoning from engine exhaust.**  
Be sure there is adequate ventilation whenever you start 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 instructions before you begin and make sure you have the tools and skills required.
- To prevent the vehicle from falling over, park it on a firm, level surface, on the main stand.
- Be sure that the integrated brake is locked by parking lever before running the engine, while the vehicle is parked on the main stand. This will prevent the rear wheel from rotating and avoid the possibility of someone being injured from contacting the wheel.
- 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 knows your vehicle best and is fully equipped to maintain and repair it.

To ensure the best quality and reliability, use only genuine Hero MotoCorp parts for repair and replacement.

## MAINTENANCE SCHEDULE

Perform the pre-ride inspection (**page 34**) at each scheduled maintenance period.

**I: INSPECT    C: CLEAN    R: REPLACE    A: ADJUST    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 Hero MotoCorp 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 :** Throttle play to be checked and adjusted as per given specification

**Note-3 :** Replace air cleaner element once in every **15000 km** or early replacement may be required when riding in dusty areas.

\*At **12000 km** inspect if air cleaner element is choked. If found choked, replace the air cleaner element to keep the engine healthy.

**Note-4 :** Service more frequently when riding in rain or at full throttle.

**Note-5 :** Replace once in every **12000 km**.

**Note-6 :** Replace engine oil once in every **6000 km**. Top up if the oil level is at or near the lower level mark.

**Note-7 :** Replace once in every **10000 km** or once in a year, whichever is earlier. Replacement requires mechanical skill.

**Note-8 :** Clean carburetor if required after inspection during service.

**Note-9 :** Service more frequently if the vehicle is ridden in unusually wet or dusty areas.

**Note-10:** Replace the pinion starter assembly once in every **2 years** or **21000 km**, whichever is earlier.

**Note-11:** Replace drive belt once in every **24000 km**.

**Note-12:** Replace the front fork oil once in every **2 years** or **20000 km**, whichever is earlier.

**Note-13:** Inspect for any play in the mounting bushes, replace if necessary.

**Note-14:** Inspect the bearings free play, replace if necessary.








**Note-15:** Inspect if side stand switch is installed.




















**Note-16:** Check idle CO emission along with idle rpm/idle CO adjustment (if required).

## MAINTENANCE SCHEDULE

Dear Customer,

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	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	5 <sup>th</sup>	6 <sup>th</sup>	7 <sup>th</sup>	8 <sup>th</sup>	9 <sup>th</sup>	10 <sup>th</sup>	11 <sup>th</sup>
		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 Lines		I	I	I	I	I	I	I	I	I	I	I
	Throttle Operation	<b>Note-2</b>	I, A	I, A	I, A	I, A	I, A	I, A	I, A	I, A	I, A	I, A	I, A
	Bystarter Operation		I	I	I	I	I	I	I	I	I	I	I
	Air Cleaner Element	<b>Note-3</b>		I	I	I	I, R*	R	I	I	I, R*	I	R
	Drain/Crankcase Breather Tube	<b>Note-4</b>	I, C	I, C	I, C	I, C	I, C	I, C	I, C	I, C	I, C	I, C	I, C
	Spark Plug	<b>Note-5</b>	I, C, A	I, C, A	I, C, A	I, C, A	R	I, C, A	I, C, A	I, C, A	R	I, C, A	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	<b>Note-6</b>	R	T	R	T	R	T	T	R	T	R	T
	Engine Oil Strainer Screen		C		C		C		C		C		C
	Final Drive Oil	<b>Note-7</b>				R	Replace once in every 10000 km						
	Engine Idle Speed/Carburetor	<b>Note-8</b>	I, A	I, A	I, A	I, A	I, A	I, A	I, A	I, A	I, A	I, A	I, A
	Secondary Air Injection System				I		I		I		I		
	Secondary Air Cleaner Element	<b>Note-9</b>	C	C	C	C	C	C	C	C	C	C	C
	Pivot Arm		L	L	L	L	L	L	L	L	L	L	L
	Brake System		C, L	C, L	C, L	C, L	C, L	C, L	C, L	C, L	C, L	C, L	C, L

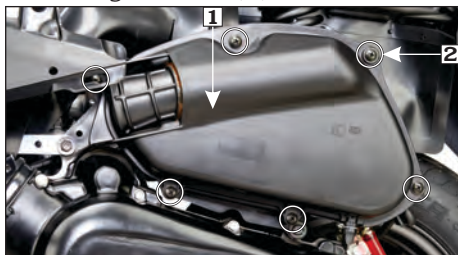
ITEMS	SERVICE	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	5 <sup>th</sup>	6 <sup>th</sup>	7 <sup>th</sup>	8 <sup>th</sup>	9 <sup>th</sup>	10 <sup>th</sup>	11 <sup>th</sup>
	DAYS	1st 60	Next 90	Next 90	Next 90	Next 90	Next 90	Next 90	Next 90	Next 90	Next 90	Next 90
	KM Note-1	500-750	3000-3500	6000-6500	9000-9500	12000-12500	15000-15500	18000-18500	21000-21500	24000-24500	27000-27500	30000-30500
 Front/Integrated Brake Lever Free Play		I, A	I, A	I, A	I, A	I, A	I, A	I, A	I, A	I, A	I, A	I, A
 Brake Shoe Wear		I	I	I	I	I	I	I	I	I	I	I
 Parking Lock Operation		I	I	I	I	I	I	I	I	I	I	I
 Battery Voltage		I	I	I	I	I	I	I	I	I	I	I
 Stop Lamp Switch		I	I	I	I	I	I	I	I	I	I	I
 Headlamp Focus		I	I	I	I	I	I	I	I	I	I	I
 Belt Case/Kick Starter Driven Gear		C, L	C, L	C, L	C, L	C, L	C, L	C, L	C, L	C, L	C, L	C, L
 Pinion Starter Assembly	<b>Note-10</b>				I			I	R		I	
 Drive Belt	<b>Note-11</b>			I		I		I		R		I
 Clutch Shoe Wear				I		I		I		I		I
 Nuts, Bolts & Fasteners		I	I	I	I	I	I	I	I	I	I	I
 Front Suspension/Oil	<b>Note-12</b>	I	I	I	I	I	I	I	I	I	I	I
 Rear Suspension	<b>Note-13</b>	I	I	I	I	I	I	I	I	I	I	I
 Wheel/Tyres		I	I	I	I	I	I	I	I	I	I	I
 Wheel Bearings	<b>Note-14</b>	I	I	I	I	I	I	I	I	I	I	I
 Steering Head Bearings		I, A	I, A	I, A	I, A	I, L, A	I, A	I, A	I, A	I, L, A	I, A	I, A
 Main Stand		L	L	L	L	L	L	L	L	L	L	L
 Side Stand		L	L	L	L	L	L	L	L	L	L	L
 Side Stand Switch	<b>Note-15</b>	I, C	I, C	I, C	I, C	I, C	I, C	I, C	I, C	I, C	I, C	I, C
Muffler (Catalytic Converter)	<b>Note-16</b>			I, E		I, E		I, E		I, E		I, E

## AIR CLEANER ELEMENT

Refer to the safety precautions (page 46).

The air cleaner element is of viscous type, it should be replaced at regular intervals (pages 47). Early replacement may be required when riding in unusually wet or dusty areas.

- Remove the left side body cover (page 30).
- Remove the left floor side cover (page 32).
- Remove the air cleaner cover (1) by removing the screws (2)



(1) Air cleaner cover

(2) Screws



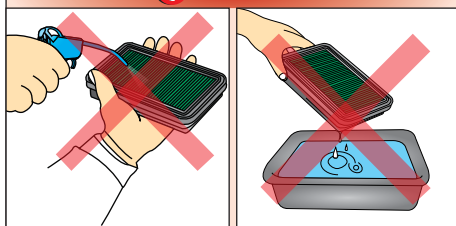
(3) Air cleaner assembly (4) Air cleaner housing

- Remove the air cleaner assembly (3) from housing (4).
- Inspect the air cleaner element for any dust or dirt accumulation.
- Replace the air cleaner element, if found choked.



(3) Air cleaner assembly

### ! CAUTION



- **Do not blow compressed air.**
- **Do not wash using any solvent.**

- Clean the air cleaner housing (4) using a shop towel.
- Install the air cleaner assembly (new, in case of replacement).

- Install the air cleaner cover.
- Install the left floor side cover (page 32).
- Install the left side body cover (page 30).



### NOTE

- **Replace air cleaner element once in every 15000 km or early replacement may be required when riding in dusty areas.**
- **At 12000 km inspect if air cleaner element is choked. If found choked, replace the air cleaner element to keep the engine healthy.**

## AIR CLEANER DRAIN TUBE CLEANING

Refer to the safety precautions (page 46).

- Remove the drain tube (1) from the air cleaner assembly (2) and drain deposits in to a suitable container.
- Reinstall the drain tube.



(1) Drain tube (2) Air cleaner assembly

Service more frequently when riding in rain, at full throttle or after the vehicle is washed or overturned. Service if the deposit level can be seen in the transparent section of the drain tube.

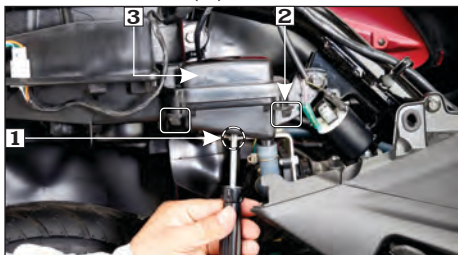
## SECONDARY AIR SUPPLY SYSTEM

Refer to the safety precautions (page 48).

### Secondary air cleaner element cleaning

The air cleaner element should be serviced at regular intervals (pages 47). Service more frequently when riding in unusually wet or dusty areas.

- Remove the right side body cover (page 30).
- Remove the screw (1).
- Release the tabs (2).



(1) Screw (2) Tabs (3) Secondary air filter cover



(4) Secondary air cleaner element

- Remove the secondary air filter cover (3).
- Remove the secondary air cleaner element (4).
- Wash the secondary air cleaner element in clean, nonflammable or high flash point solvent and let it dry thoroughly.
- Soak the secondary air cleaner element in gear oil (SAE-90) until saturated, then squeeze out the excess oil.
- Installation is in the reverse order of removal.

### ! CAUTION

*Never use gasoline or low flash point solvents for cleaning the air cleaner element. A fire or explosion could result.*

## THROTTLE OPERATION

### 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

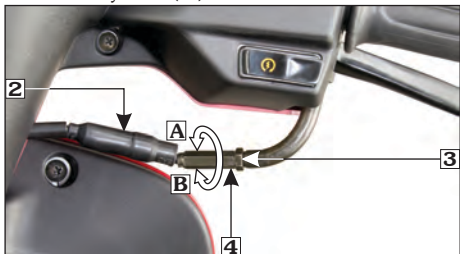


(1) Free play: 2-6 mm

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.

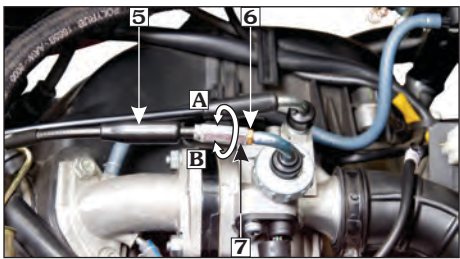
### Free play adjustment

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

If the specified free play is not achieved, adjust the free play on carburetor side.



(5) Boot (6) Lock nut (7) Adjuster  
(A) Decrease free play (B) Increase free play



Remove the center compartment (**page 28**). Slide the boot (5), loosen the lock nut (6) and turn the adjuster (7).

## ENGINE OIL

Use only hero genuine engine oil.

**BRAND : Hero 4T plus**

**GRADE : SAE 10W 30 SL Grade (JASO MB).**

Manufactured by:

- Tide Water Oil Co. (India) Ltd.
- Savita Oil Technologies Limited.
- Bharat Petroleum Corporation Limited.

**Oil Capacity: 0.8 Litre**

## Engine oil level check

Check the engine oil level each day before riding the vehicle.

The level must be maintained between the UPPER (1) and LOWER (2) level marks on the oil level dipstick (3).



(1) UPPER level mark (2) LOWER level mark  
(3) Oil level dipstick

- Park the vehicle on its main stand on a level surface.
- Start the engine and let it idle for few minutes.
- Stop the engine and wait for few seconds.
- Remove the oil level dipstick, wipe it clean and reinsert the oil level dipstick without screwing it in.
- Remove the oil level dipstick and check if the oil level is between the upper and lower marks.
- If required, add recommended oil up to the upper level mark. Do not overfill.
- Reinstall the oil level dipstick with new O-ring. Check for oil leaks.



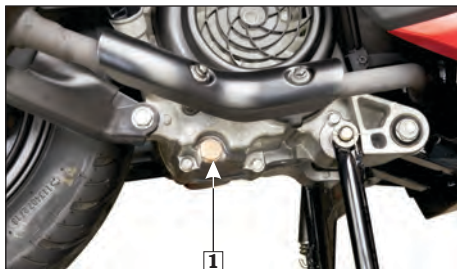
## NOTE

- **Running the engine with insufficient oil may cause engine damage.**
- **Top up if required after every 3000 km.**

## Engine oil replacement / Oil strainer cleaning

Change the engine oil with the engine at normal operating temperature and the vehicle on its main stand to assure complete and rapid draining.

- Remove the oil level dipstick.
- Place an oil drain pan under the crankcase and remove the oil drain bolt (1).



**(1) Drain bolt**

- Remove the oil strainer screen cap (2).



**(2) Oil strainer screen cap**

- The spring (3) and oil strainer screen (4) will come out when the oil strainer screen cap is removed.
- Clean the oil strainer screen.
- Check that the oil strainer screen, sealing rubber and cap O-ring (5) are in good condition.



**(3) Spring (4) Oil strainer screen (5) O-ring**

- Install the oil strainer screen, spring and oil strainer screen cap. Install the drain plug with new sealing washer.
- Fill crankcase with the recommended grade of oil:

**At draining: 0.70 litre**

**At engine disassembly: 0.80 litre**

- Install the oil level dipstick with new O-ring.
- Start the engine and let it idle for 2-3 minutes. Stop the engine and ensure that the oil level is at the upper level mark on the oil level dipstick with the vehicle upright on flat level surface. Ensure there are no oil leaks.

**! CAUTION**

- *Engine oil quality is the chief factor affecting engine service life. Replace and top-up the engine oil as specified in the maintenance schedule (pages 47).*
- *When running in very dusty conditions, oil changes should be performed more frequently than specified in the maintenance schedule.*

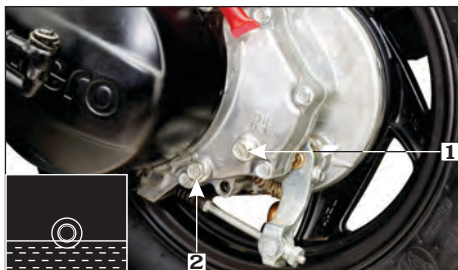
**! WARNING**

- *Please dispose used engine oil in a manner that is compatible with the environment. We suggest you take it in a sealed container to your local recycling center or service station for reclamation. Do not throw it in the trash or pour it on the ground or down a drain.*
- *Used engine oil may cause skin disease if repeatedly left in contact with the skin for prolonged periods. Although this is unlikely unless you handle used oil on a daily basis, it is still advisable to thoroughly wash your hands with soap and water as soon as possible after handling used oil.*

## FINAL DRIVE OIL REPLACEMENT

The final drive oil should be replaced as per the maintenance schedule. Replacement requires mechanical skill. It is suggested to get it replaced by Authorised Distributor/Dealer.

- Park the vehicle on its main stand on a level surface.
- Start the engine and let it idle for 3-5 minutes.
- Stop the engine and wait for 2-3 minutes.
- Remove the oil level check bolt (1).
- Remove the drain bolt (2), slowly turn the rear wheel and drain the oil.



**(1) Check bolt**

**(2) Drain bolt**

- After the oil is completely drained, install the oil drain bolt with a new sealing washer.
- Fill the transmission case with recommended oil through the check bolt hole up to the bottom edge of the bolt hole.

**GRADE : SAE 10W 30 SL Grade**

**At draining : 0.10 Litre**

**At transmission disassembly: 0.12 Litre**

- Install the oil level check bolt with a new sealing washer and tighten it.

**! WARNING**

- *While refilling the oil make sure that no foreign material enters the final drive transmission.*
- *Make sure that no oil gets on the tyre or wheel.*

## SPARK PLUG

Refer to the safety precautions (page 46).

Recommended spark plug.

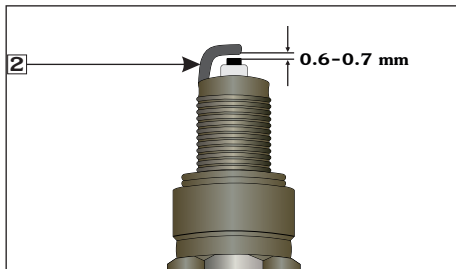
### Champion-PRZ 9 HC (Federal Mogul)

- Remove the center cover (page 30).
- Disconnect the noise suppressor cap (1) from the spark plug.
- Clean any dirt around the spark plug base.



(1) Noise suppressor cap

- Remove the spark plug using the wrench plug provided in the tool kit.
- Inspect the electrodes and center porcelain for deposits, erosion or carbon fouling. If the erosion or deposit is heavy, replace the plug. Clean carbon or wet fouled plug with a plug cleaner.
- Check the spark plug gap using a wire-type feeler gauge. If adjustment is necessary, bend the side electrode (2) carefully.



(2) Side electrode

- 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 wrench plug to compress the washer. If you are reusing a plug, it should only take 1/8-1/4 turn after the plug seats.
- Reinstall the noise suppressor cap.

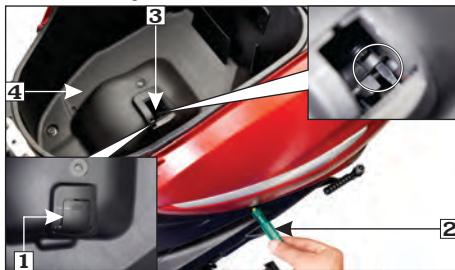
### WARNING

- **Never use a spark plug with an improper heat range. Severe engine damage could result.**
- **The spark plug must be securely tightened. An improperly tightened plug can become very hot and possibly damage the engine.**

## IDLE SPEED

Refer to the safety precautions (page 46). The engine must be at normal operating temperature for accurate idle speed adjustment. Ten minutes of stop and go riding is sufficient.

- Park the vehicle on its main stand on a level surface.
- Start the engine and let it idle for few minutes.
- Open the seat (page 24).
- Remove the carburetor maintenance window cap (1).



- (1) Carburetor maintenance window cap
- (2) Screw driver
- (3) Carburetor maintenance window
- (4) Center compartment

- Adjust idle speed by adjusting the throttle stop screw by inserting a suitable screw driver (2) from the opening provided in the floor panel as shown.

- Idle stop screw is visible from the carburetor maintenance window (3) provided in the center compartment (4).

**Idle speed: 1700±200 rpm**

## BRAKE SHOE WEAR

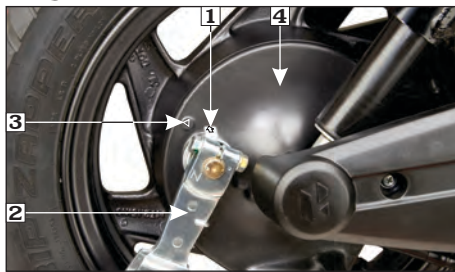
Refer to the safety precautions (page 46).

The front and integrated brakes are equipped with brake wear indicators.

When the brake is applied, an arrow mark (1) on 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. Visit your Authorised Distributor/Dealer for this service.

## Integrated brake



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

## Rear brake



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

## BATTERY

Refer to the safety precautions (page 46).

Battery is located behind the front upper cover.

### Specification

#### 12V-4Ah, ETZ 5 MF Battery

It is not necessary to check the battery electrolyte level or add distilled water as the battery is of **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

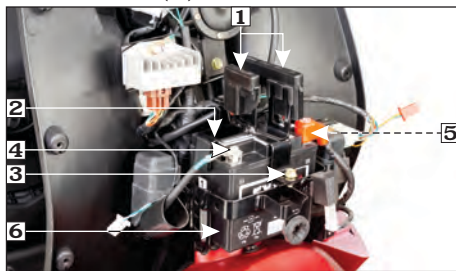
Always visit your Authorised Distributor/Dealer if you see any symptom of battery discharge as earliest as possible to get the battery charged. The battery has a tendency to discharge rapidly if any additional electrical accessories are fitted on your vehicle.

## 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

- Remove the front upper cover (**page 31**).
- Dislodge fuse boxes (1).
- Remove the battery clamp (2) by removing the bolt (3).
- Disconnect the (-)ve terminal lead (4) from the battery first, then disconnect the (+)ve terminal lead (5).



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

- Remove the battery (6).

## Battery installation

- Reinstall in the reverse order of removal. Be sure to connect the (+)ve terminal first, then the (-)ve terminal.
- Check the bolts and other fasteners are secured properly.

## FUSE REPLACEMENT

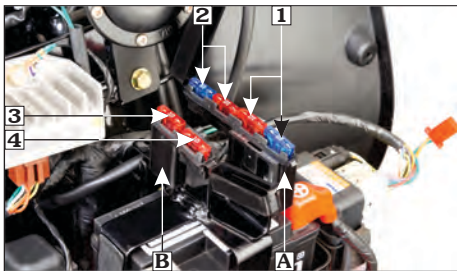
The fuse holders (A) and (B) placed above the battery which consist of main fuse and spare fuse.

(A): Main fuse (1) : 15A and 10A

Spare fuse (2) : 15A and 10A

(B): Main fuse (3) : 10A

Spare fuse (4) : 10A



(A) & (B): Fuse holders

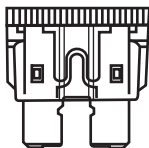
(1) Main fuse : 15A & 10A

(2) Spare fuse : 15A & 10A

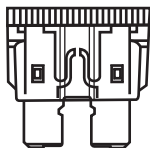
(3) Main fuse : 10A (4) Spare fuse: 10A



GOOD FUSE



BLOWN FUSE



### ⚠ 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.*

### ! 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.*
- *If the replacement fuse of the same rating burns out in a short time, there is probably a serious electrical problem on your vehicle. Leave the blown fuse in that circuit and have your vehicle checked by your Authorised Distributor/Dealer.*

## 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 grip while the vehicle is not parked on stand. The vehicle action should be smooth and there should be no oil leakage.

Front



Rear



## BULB REPLACEMENT

Refer to the safety precautions (page 46).

The bulb becomes very hot while the lamp is "ON", and remains hot for a while after it is turned "OFF". Be sure to let it cool down before servicing.

Do not put finger prints on the headlamp bulb, as they may create hot spots on the bulb and cause it to break.

Wear clean gloves while replacing the bulb. If you touch the bulb with your bare hands, clean



it with a cloth moistened with alcohol to prevent its early failure.

- Be sure to turn the ignition switch “OFF” when replacing the bulb.
- Do not use bulbs other than specified.
- After installing a new bulb, check that the lamp operates properly.

#### (a) Headlamp bulb

- Remove the headlamp case (**page 33**).
- Disconnect the headlamp connector (1).
- Remove the dust cover (2).



(1) Headlamp connector (2) Dust cover

- Release the clip (3) from its position.
- Remove the headlamp bulb (4) without turning.
- Install a new bulb in the reverse order of removal.
- Install the headlamp case (**page 33**).



(3) Clip



(4) Headlamp bulb

#### (b) Front turn signal bulb

- Remove the front upper cover (**page 31**).
- Remove the bulb holder (1) with the bulb.
- Remove the bulb (2) by turning it to anticlockwise direction.

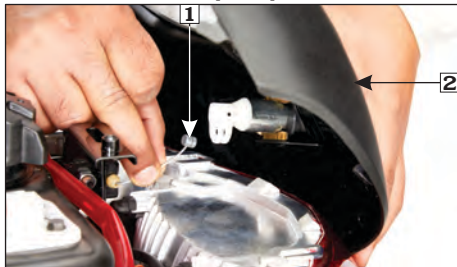


(1) Bulb holder (2) Front turn signal bulb

- Install a new bulb in the reverse order of removal.
- Install the front upper cover (**page 31**).

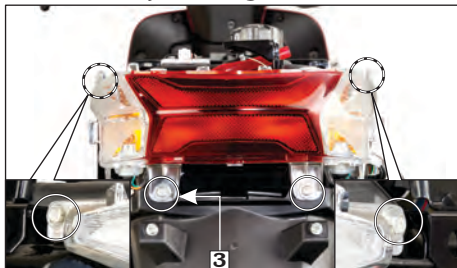
### (c) Tail/Stop lamp bulb

- Remove the rear grip (**page 31**).
- Remove body covers (**page 30**).
- Disconnect the seat catch cable (1) and remove the tail/stop lamp cover (2)



### (1) Seat catch cable (2) Tail/stop lamp cover

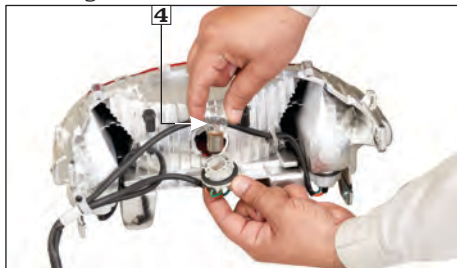
- Dismount the tail/stop lamp unit from the vehicle by removing the bolts (3).



### (3) Bolts

- Remove bulb holder with bulb by turning it to anticlockwise direction.

- Remove the bulb (4) from bulb holder by turning it to anticlockwise direction.

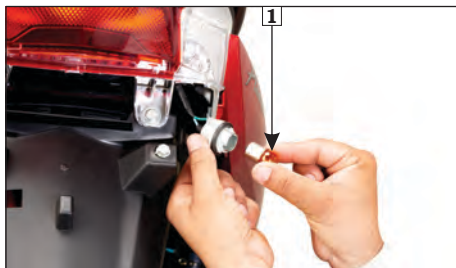


### (4) Tail/stop lamp bulb

- Install a new tail/stop lamp bulb (4) in the reverse order of removal.
- Install the tail/stop lamp unit in the vehicle.
- Install the tail/stop lamp cover and connect the seat catch cable.
- Install the body covers (**page 31**).
- Install the rear grip (**page 31**).

### (d) Rear turn signal bulb

- Remove the rear center cover (**page 31**).
- Remove turn signal bulb holder with bulb by turning anticlockwise.
- Remove the rear turn signal bulb (1) by turning it to anticlockwise direction.



**(1) Rear turn signal lamp bulb**

- Install a new bulb in the reverse order of removal.
- Install the rear center cover (**page 31**).

### **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<sub>2</sub> and H<sub>2</sub>O (water vapour).

A defective catalytic converter contributes to air pollution and can impair your engine's performance.

- Follow these guidelines to protect your vehicle 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.



**(1) Catalytic converter**

### **AIR SUCTION VALVE**

#### **(SECONDARY AIR INJECTION SYSTEM)**

Further to meet emission standards this vehicle is provided with the air suction valve.

Air suction valve (1) supplies fresh air from the air filter to the exhaust manifold to convert carbon monoxide to carbon dioxide. This reduces the CO% in the vehicle's exhaust.



**(1) Air suction valve**

## POLISHING OF VEHICLE

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 finish paint.**

## REMOVING ROAD SALT

The road may contain salt which was sprayed as an anti freezing agent during winter, and the seawater are the causes of rust.

Wash your vehicle when run on such conditions by the following the point mentioned below. Clean the vehicle using cold water (**page 43**). Do not use warm water. This worsens the effect of the salt.

## STORAGE GUIDE

Extended storage, such as for winter, requires that you take certain steps to reduce the effects of deterioration from non use of the vehicle. In addition, necessary repairs should be made before storing the vehicle, otherwise these repairs may be forgotten by the time the vehicle is removed from storage.

### (a) Storage

- Change the engine oil.
- Empty the fuel tank into an approved petrol container using a commercially available hand siphon or an equivalent method.

Spray the inside of the tank with an aerosol rust inhibiting oil.

- Reinstall the fuel filler cap on the tank.
- If storage lasts more than a month, carburetor draining is very important, to assure proper performance after storage.



### WARNING

***Petrol is highly flammable and explosive. You can be burned or seriously injured when handling fuel.***

- ***Stop the engine and keep heat, sparks, and flame away.***
  - ***Refuel only outdoors.***
  - ***Wipe up spills immediately.***
- To prevent rusting in the cylinder, perform the following:
    - (a) Remove the noise suppressor cap from the spark plug. Using tape or string, secure the cap to any convenient plastic body part so that it is positioned away from the spark plug.
    - (b) Remove the spark plug from the engine and store it in a safe place. Do not connect the spark plug to the noise suppressor cap.
    - (c) Remove the battery. Store in an area protected from freezing temperatures and direct sunlight. Charge the battery once a month.
    - (d) Wash and dry the vehicle. Wax all painted surfaces. Coat chrome plated parts with rust inhibiting oil.

- (e) Inflate the tyres to their recommended pressures. Park the vehicle on blocks to raise both tyres off the ground.
- (f) Cover the vehicle (don't use plastic or other coated materials) and store in an unheated area, free of dampness with a minimum of daily temperature variation. Do not store the vehicle in direct sunlight.

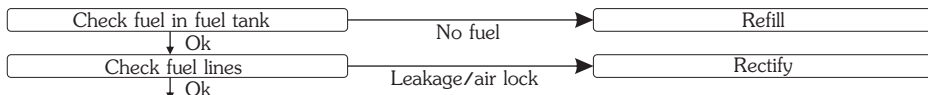
**(b) Removal from storage**

- Uncover and clean the vehicle. Change the engine oil if the vehicle has been stored for more than 4 months.
- Check the battery voltage and charge the battery as required. Install the battery.
- Drain any excess aerosol rust inhibiting oil from the fuel tank. Fill the fuel tank with fresh petrol.
- Perform all pre-ride inspection checks **(page 34)**. Test ride the vehicle at low speeds in a safe riding area away from traffic.

## BASIC TROUBLESHOOTING

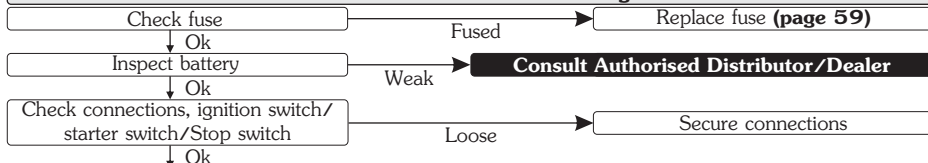
### 1. STARTING TROUBLE - ENGINE DOES NOT START

#### A. Fuel System



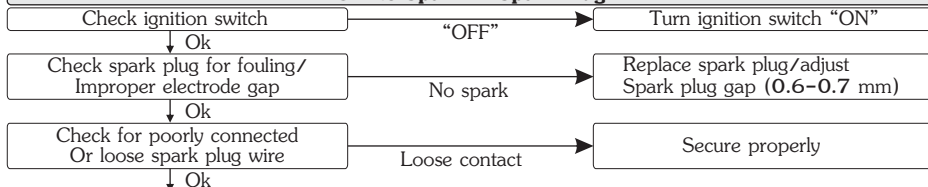
**Consult Authorised Distributor/Dealer**

#### B. Electric Starter Not Working



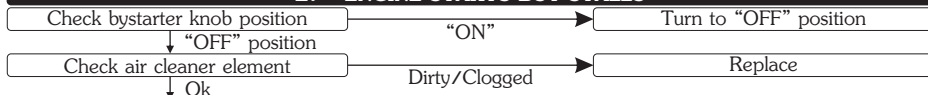
**Consult Authorised Distributor/Dealer**

#### C. No Spark At Spark Plug



**Consult Authorised Distributor/Dealer**

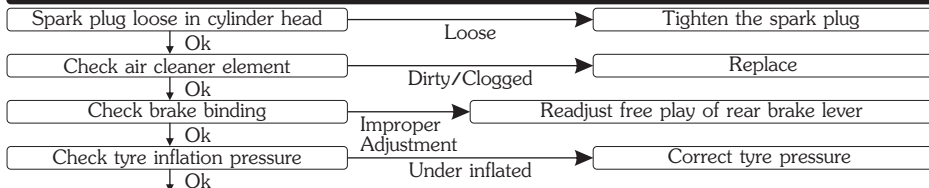
### 2. ENGINE STARTS BUT STALLS



**Consult Authorised Distributor/Dealer**

## BASIC TROUBLESHOOTING

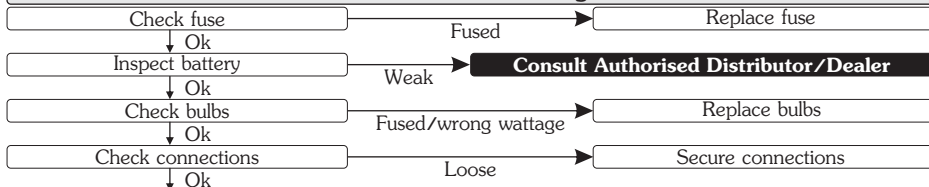
### 3. POOR PICK UP



**Consult Authorised Distributor/Dealer**

### 4. ELECTRICAL SYSTEM

#### Feeble horn sound or no light



**Consult Authorised Distributor/Dealer**



**Hero MotoCorp Ltd.**

**CUSTOMER'S COPY**

**DELIVERY CERTIFICATE**

**No.: IB31A**

I certify having taken delivery of one Hero MotoCorp **PLEASURE+** Vehicle bearing the following particulars:-

**Engine No.** \_\_\_\_\_

**VIN No.** \_\_\_\_\_

**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**





## Hero MotoCorp 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 -**

+ - No. 2 driver, Grip, Tool bag, Wrench plug 16, Spanner 14



**Hero MotoCorp Ltd.**

**DISTRIBUTOR / AUTHORIZED  
DEALER COPY**

**DELIVERY CERTIFICATE**

**No.: IB31A**

I certify having taken delivery of one Hero MotoCorp **PLEASURE+** Vehicle bearing the following particulars:-

**Engine No.** \_\_\_\_\_

**VIN No.** \_\_\_\_\_

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6. Tyre      **Front**      Make \_\_\_\_\_ Sr. No. \_\_\_\_\_  
                         **Rear**      Make \_\_\_\_\_ Sr. No. \_\_\_\_\_

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**Customer's Name** \_\_\_\_\_

**Customer's Address** \_\_\_\_\_

**Customer's Signature** \_\_\_\_\_

**Authorised Distributor/Dealer Name** \_\_\_\_\_

**Authorised Distributor/Dealer Address** \_\_\_\_\_

**Details of Tool kit -**

+ - No. 2 driver, Grip, Tool bag, Wrench plug 16, Spanner 14



## WHAT ARE THE BENEFITS OF Hero MotoCorp 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

<b>Cam Chain Kit</b>	<ul style="list-style-type: none"><li>• Poor performance</li><li>• Reduced life</li><li>• Material used is inferior</li><li>• Damages other parts of clutch like, clutch center and outer clutch</li></ul>
<b>Gasket Cylinder Head</b>	<ul style="list-style-type: none"><li>• Improper sealing</li><li>• Engine knocking</li><li>• Leads to leakage and smoky exhaust</li><li>• Higher emission level</li></ul>
<b>Element Air Cleaner</b>	<ul style="list-style-type: none"><li>• Improper air filtration resulting in premature engine failure</li><li>• Affects fuel efficiency</li><li>• Poor engine performance</li></ul>
<b>Spark Plug</b>	<ul style="list-style-type: none"><li>• Frequent stalling of engine</li><li>• Higher emission level</li><li>• Poor engine performance</li><li>• Affects fuel efficiency</li></ul>
<b>Brake Pads/Shoes</b>	<ul style="list-style-type: none"><li>• Poor braking efficiency</li><li>• Rider safety—an issue</li><li>• Discs/Drum wear out, resulting in subsequent repair cost</li></ul>

## **JOBS APPLICABLE TO PERIODIC SERVICES**

- Test drive the vehicle if required for reported troubles, if any.
- Wash the vehicle and blow dry with air at every service.
- Inspect fuel lines at every service.
- Inspect throttle free play and operation, at every service, adjust if necessary.
- Inspect bystarter operation, at every service.
- Inspect/Replace air cleaner element as per maintenance schedule (**page 47**).
- Inspect and clean crankcase breather tube/drain tube, if required.
- Inspect, clean spark plug at every service, adjust if necessary (replace at every 12000 km).
- Inspect and valve clearance at every service, adjust if necessary.
- Replace engine oil or top up as per the maintenance schedule.
- Clean engine oil strainer screen.
- Replace final drive oil, (replace at every 10000 km).
- Inspect and adjust carburetor, if necessary in every service.
- Inspect secondary air injection system at every 6000 km.
- Clean secondary air cleaner element at every service.
- Lubricate pivot arm at every service.
- Clean and lubricate brake cam at every service.
- Inspect and adjust front/Integrated brake lever free play at every service.
- Inspect brake shoe wear out at every service.
- Inspect parking lock operation at every service.
- Inspect battery voltage at every service and charge if required.
- Inspect stop lamp switch, horn and adjust if necessary.
- Inspect headlamp focus at every service, adjust if required.
- Clean and lubricate the kick starter driven gear in the belt case at every service.
- Inspect pinon starter assembly at every 9000 km (Replace in every 2 years or 21000 km, whichever is earlier).
- Inspect drive belt at every 6000 km. (replace at every 24000 km).
- Inspect clutch shoe wear at every 6000 km.
- Inspect and tighten all fasteners to the specified torque (if required).
- Inspect front suspension at every service (Replace front fork oil once in every 2 years or 20000 km).
- Inspect rear suspension at every service. Inspect for any play in the mounting bushes, replace if necessary.
- Inspect wheels and tyre pressure at every service.
- Inspect wheel bearings free play at every service, replace if necessary.
- Inspect steering for smooth operation, adjust steering head bearings if required (lubricate once in every 12000 km).
- Lubricate the main and side stand at every service.
- Inspect and clean the side stand switch.
- Inspect idle CO emission along with idle rpm/idle CO adjustment (if required).
- Test drive the vehicle for repair of problems reported.
- Clean and polish (except matte painted models) the vehicle before delivery.

**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**

<b>Free/Paid Service</b>	<b>Km. Range</b>	<b>Date</b>	<b>Km. Reading</b>	<b>Job Card No.</b>	<b>Engine Oil Top-up/ Replace</b>	<b>Authorised Distributor/Dealer (Sig. &amp; Stamp)</b>
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)**

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## SERVICE ADVICE SHEET

Normal wear and tear components replacement advice

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





**Hero MotoCorp Ltd.**

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**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**