Hero

OWNERS MANUAL

XOOM 160



INDIA'S FIRST 5 YEAR WARRANTY*

*Conditions apply

ACCESSORIES AND FEATURES SHOWN MAY NOT BE A PART OF STANDARD EQUIPMENT. CINL-J39110L-19A4PLC017254.

PREFACE

Thank you for selecting a Hero MotoCorp **XOOM 160** 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 legislation including environment legislation and strengthen the green supply chain.

Your vehicle is conforming to latest BS-VI OBD Stage II-B regulation for emission, safety & noise levels. We are also using non asbestos brake shoes/pads and engine gaskets which are environment friendly in nature.

This vehicle is fitted with a lighting feature known as "Automatic Headlamp ON". The feature is mandated for all 2 Wheelers by Ministry of Road Transport & Highways (Government of India) vide notification GSR 188 (E) dated 22nd February 2016. This feature helps in conspicuity for improving rider safety. The headlamp of this vehicle will always be lit ON when the engine gets ON.

This booklet is your guide to the basic operation and maintenance of your new Hero MotoCorp **XOOM 160** vehicle. Please take time to read it carefully. As with any fine machine, proper care and maintenance are essential for trouble-free operation and optimum performance.

Your Authorised Hero MotoCorp 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 PUBLISHING APPROVAL, AND THE ACCURACY OR CORRECTNESS OF THE SAME IS NOT UNDERTAKEN OR GUARANTEED.

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ACCESSORIES SHOWN MAY NOT BE THE PART OF STANDARD FITMENT. IT IS OUR ENDEAVOUR TO CONSTANTLY IMPROVE OUR PRODUCTS. THIS COULD LEAD TO CHANGE IN PRODUCT SPECIFICATIONS WITHOUT NOTICE. Hero MotoCorp Ltd **'XOOM 160' COMPLIES WITH THE LATEST EMISSION NORMS.**

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01

Safety Information

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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 throughout this manual. Following are a few that we consider most important.

Always wear a helmet

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



Before riding your vehicle

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



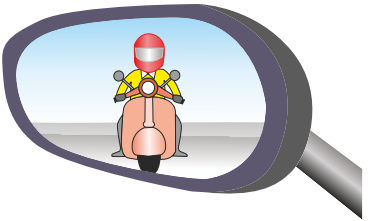
Take time to learn & practice your vehicle

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



Ride defensively

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



Make yourself easily visible

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

Ride within your limits

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



Do not drink and ride

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



Keep your vehicle in safe condition

For safe riding, it is important to inspect your vehicle before every ride and perform all recommended maintenance. Never exceed load limits, and always use accessories that have been recommended by Hero MotoCorp for this vehicle.



If you are involved in a crash

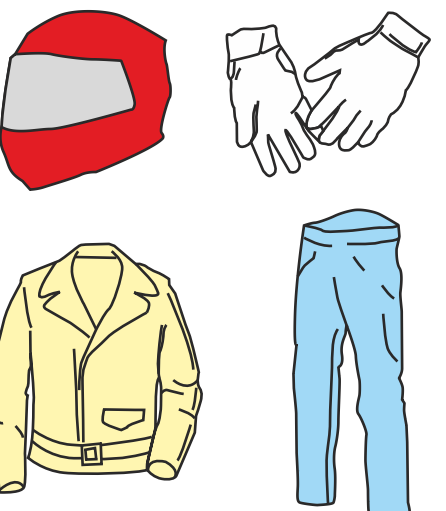
Personal safety is your first priority. If you or anyone else has been injured, take time to assess the severity of the injuries and whether it is safe to continue riding. Call for emergency assistance if needed. Also follow applicable laws and regulations if another person or vehicle is involved in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

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

PROTECTIVE APPAREL

For your safety, we strongly recommend that you always wear an approved helmet (ISI marked), 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 :



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.

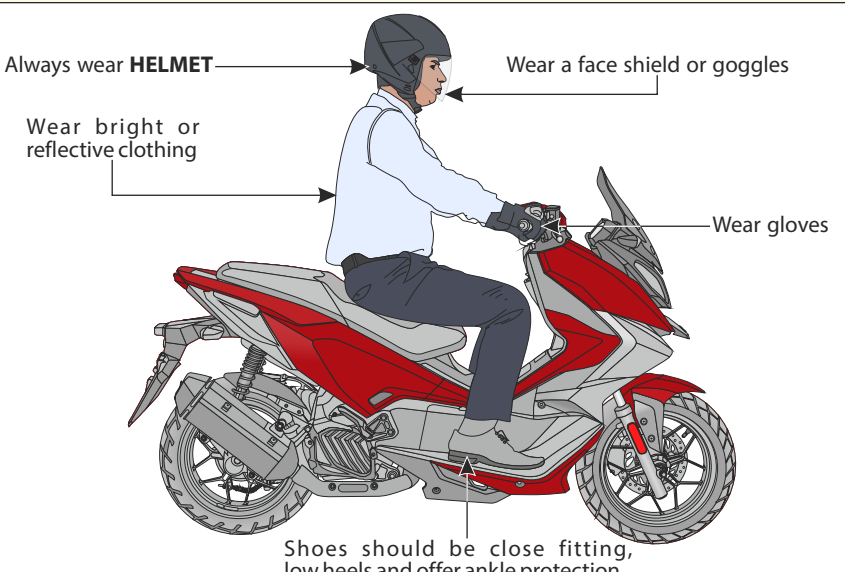
Additional riding gear

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.

⚠ 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.***



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:

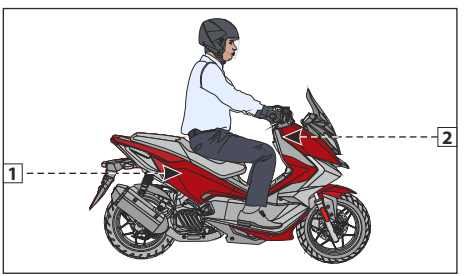
Maximum weight capacity: 130 Kg

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 : 10.0 Kg
Front box : 0.5 Kg



(1) Center compartment **(2) Front box**

Loading guidelines

Your vehicle is primarily intended for transporting you and a pillion. If you wish to carry more cargo, check with your Authorised Hero MotoCorp workshop for advice and be sure to read the information regarding accessories on **(page 1-6).**

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 tide 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. A blown fuse can cause loss of lights **(page 4-3)**.
- Do not pull a trailer or sidecar with your vehicle. This vehicle has 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.

ANTI-THEFT TIPS

- **Always lock the steering and do not forget to keep the FOB key of the vehicle with you.** This sounds simple but people do forget.
- Be sure the registration information for your vehicle is accurate and correct.
- Park your vehicle in a locked garage whenever possible.
- Use an additional anti-theft device of good quality.
- Never park your vehicle in an isolated area. Park as far as possible in a designated area.
- Keep a note in your vehicle all the time with your name, address and contact details.





SAFE RIDING TIPS



Hero RideSafe

Do's:

- Always conduct simple pre-ride inspection **(page 6-1)**.
- Always wear a helmet (ISI marked) with chin strap securely fastened and insist on a helmet for your pillion rider.
- 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, it is advised to apply both front and rear brake simultaneously, keeping the throttle in closed position.
- Respect road signs and obey traffic rules for your own safety and that of others on the road **(page 9-1)**.
- 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 Hero MotoCorp workshop.
- Before riding make sure in which mode you are riding whether with i3s switch "ON" or "OFF".
- Keep checking the ABS indicator. At any point if indicator remains "ON", then ABS is not working **(page 5-31).**
- Keep checking speedometer. In case of ABS malfunction, speed display may go to zero.
- It is suggested to go through the do's & don'ts of ABS **(page 6-11)** and practice riding your ABS vehicle initially in low-traffic condition unless you are thoroughly familiar with your vehicle and its control.

SAFE RIDING TIPS

Hero RideSafe



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.
- Do not move the side stand down while riding, as engine will get stop **(page 5-30).**
- Navigation system assists you to reach your destination, don't be distracted while driving. Drive safely and always obey traffic rules.
- Do not ride the vehicle, when the engine coolant temperature indicator glows **(page 7-17)**.
- Do not apply hard braking in wet or rainy conditions.
- Do not attempt to apply the brake intermittently for ABS vehicle.
- Do not panic due to mechanical noises or slight pedal pulses while applying the brake in vehicle. These conditions are normal and indicate that ABS is working.

TIPS FOR HEALTHY ENVIRONMENT

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

- **Healthy engine:** The engine is the lifeline of every vehicle. To keep it healthy, it should be tuned regularly, which will also help reduce pollution and improve vehicle performance & fuel efficiency.
- **Regular servicing:** Get your vehicle serviced at an Authorised Hero MotoCorp workshop, 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 is recommended by Hero MotoCorp and make sure you change it every 4000 km (Top up if the oil level is at or near the lower level mark) 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 headache and discomfort.
- **Emission pollution:** Get emission of your vehicle checked by Authorised agencies at least once every 6 months or as notified by the government from time to time.
- **Fuel saving & Reduce pollution:** Switch "OFF" the engine while waiting at traffic signal points to save fuel & reduce pollution, if the waiting period is long.
- **BS-VI grade fuel:** Always use BS-VI grade fuel to adhere to BS-VI norms.

Vehicle Identification

02

Vehicle identification.....2-1

VEHICLE IDENTIFICATION



Vehicle Identification Number (VIN)

Location: Stamped on the right floorboard, visible when the right floorboard mat is removed.



Engine No.

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

VIN: MBLKFU02#########

MBL	KFU02	#	#	#	#	#####
Manufacturer code	Vehicle Description	Check Digit	Model Year	Plant Code	Month of Manufacturing	Production Serial Number

Engine No.: KF01AC########

KF01AC	#	#	#	#####
Engine Description	Year of Manufacturing	Assembly Plant	Month of Manufacturing	Serial Number

Model: XOOM 160

Variant	VIN	Engine
Front disc with ABS/Cast wheel	KFU02	KF01AC

VIN and Engine No. may be required:

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

03

Vehicle Overview

Front view.....3-1

Rear view.....3-2

Left side view.....3-3

Right side view.....3-4

Top view.....3-5

FRONT VIEW



1. Front fender	5. Headlamp
2. Right position lamp	6. Front left turn signal lamp
3. Front right turn signal lamp	7. Left position lamp
4. Visor	

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

REAR VIEW



1. Left rear turn signal lamp	5. Right rear turn signal lamp
2. Tail/stop lamp	6. Rear reflex reflector
3. Rear view mirrors	7. Rear fender
4. Licence plate lamp	

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

LEFT SIDE VIEW



1. Front brake disc	6. Rear side cover	11. Side stand
2. Side reflex reflector	7. Rear shock absorber	12. Side stand switch
3. Glove box	8. Air filter element	13. Left floorboard mat
4. Water pump	9. Main stand	14. Caliper assembly
5. Rear grip	10. Oil level dipstick	

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

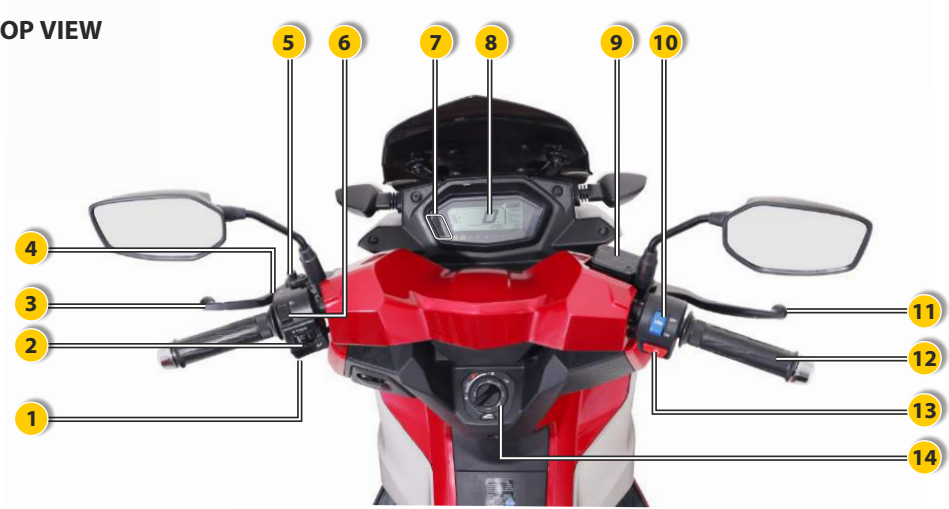
RIGHT SIDE VIEW



1. Exhaust muffler	5. Fuel tank lid	9. Overflow bottle cap
2. Hugger fender	6. USB charger (inside)	10. Spark plug (inside)
3. Center compartment (inside)	7. Front upper cover	11. Pillion footrest
4. Boot lamp (inside)	8. Right floorboard mat	12. Radiator

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

TOP VIEW



1. Horn switch	8. Meter console
2. Turn signal switch	9. Front brake master cylinder/Reservoir
3. Rear brake lever	10. i3s switch
4. Passing switch	11. Front brake lever
5. Rear wheel lever lock	12. Throttle grip
6. Dimmer switch	13. Start switch
7. Mode (M) and Set (S) buttons	14. Ignition switch

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

Vehicle Specification

04

Vehicle specification.....4-1

VEHICLE SPECIFICATION

ITEM		SPECIFICATIONS
Dimensions		
Overall length		1983 mm
Overall width		839 mm
Overall height		1214 mm
Wheelbase		1348 mm
Saddle height		787 mm
Ground clearance		155 mm
Weight		
Kerb weight		142.5 kg
Capacities		
Engine oil		0.90 litre at disassembly and 0.80 litre at draining
Coolant	Total cooling capacity	660 ml
	Radiator and engine	440 ml
	Reserve Tank	220 ml
Transmission oil		0.12 litre at disassembly
		0.15 litre at disassembly
Fuel tank		7.0 litres
Engine		
Maximum power		10.9 Kw @ 8000 r/min
Maximum torque		13.7 N-m @ 6500 r/min
Bore and stroke		58.2 x 58.7 mm
Compression ratio		11:1
Displacement		156 cc
Spark plug		Bosch
Spark plug gap		0.8-0.9 mm
Idle speed		1600±100 r/min

VEHICLE SPECIFICATION

ITEM			SPECIFICATIONS
Chassis and suspension			
Chassis type			Under bone type
Front suspension			Telescopic front forks
Rear suspension			Dual, coil spring hydraulic type
Caster angle			25.6°
Tyre size		Front	120/70 14 M/C 55P (Tubeless)
		Rear	140/60 14 M/C 64P (Tubeless)
Cold tyre pressure	Rider only	Front	1.50 kgf/cm2 (22 psi)
		Rear	2.00 kgf/cm2 (29 psi)
	Rider & Pillion	Front	1.50 kgf/cm2 (22 psi)
		Rear	2.00 kgf/cm2 (29 psi)
Brakes	Front (Disc type)		Dia. 240 mm
	Rear (Drum type)		Dia. 140 mm
Hydraulic brake fluid			DoT 3 or DoT 4
Transmission			
Primary reduction			2.52-0.71
Final reduction			45/15 x 46/14 (9.86)
Clutch system			Dry, automatic centrifugal clutch
Electricals			
Battery			*MF Battery 12V-6 Ah/ETZ-7
Alternator			230W @ 5000 r/min
Headlamp			High beam- 28W/12V (LED) Low beam-14W/12V (LED)
Tail/Stop lamp			Tail- 1.17W/ 7.5Vx 2 (LED) Stop- 0.83W/ 7.5V (LED)
Position lamp			1.125W/ 6.8V (LED)

***MF stands for Maintenance Free**

VEHICLE SPECIFICATION

ITEM		SPECIFICATIONS
Electricals		
Turn signal lamp		12V-10Wx4 nos.(**MFR-Clear lens-Amber bulb)
Turn signal indicator (RH/LH)		LED (Green)
Hi beam indicator		LED (Blue)
ABS indicator		LED (Amber)
Licence plate		12V-3W
Side stand indicator		LED (Red)
i3s indicator		LED (Blue)
LCD illumination		LED (Ice blue)
Boot lamp		12V-435mW (LED)
Programmed-Fi malfunction indicator lamp (MIL)		LED (Amber)
Low fuel indicator		LED (Amber)
Key pairing indicator		LED (Amber)
Coolant temperature indicator		LED (Red)
Fuse	Main fuses	10A, 10A, 10A, 10A, 10A, 20A & 70A
	Spare fuses	10A & 20A

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

Instrument and Control Functions

05

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Fuel 5-33
Rear view mirror.....5-35
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KEYS

Advanced anti-theft devices such as smart FOB key is provided to the customer.

FOB key

The FOB key enables the user to perform following functions without operating the key.

- **Seat unlock**

To unlock the seat, press the seat unlock button (1). The seat will get released from its latch.

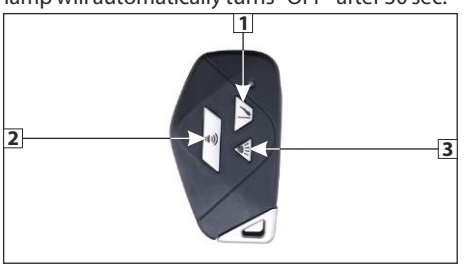
- **Bike finder**

To locate the vehicle in public parking, press bike finder button (2). It will buzz the alarm along with all indicators blinking.

To activate bike finder without sound press and hold the "bike finder" button (2) for over 3 sec, the red LED will blink. To reset, press and hold the "bike finder" button again for over 3 sec.

- **Follow me**

Press follow me button " " (3) once, low beam will turn "ON" for 30 seconds after handle is locked. This feature helps to reach home in dark/cloudy condition after parking. Follow me lamp will automatically turns "OFF" after 30 sec.



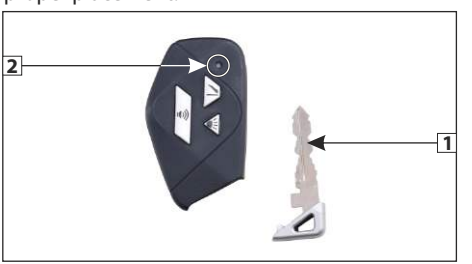
(1) Seat unlock (2) Bike finder (3) Follow me

NOTE

To activate the anti-theft, press and hold the "Follow Me" button (3) for over 3 sec, the red LED will blink. If the vehicle is moved from its location, an alarm will buzz. To reset, press and hold the "Follow Me" button again for over 3 sec.

- **Mechanical key**

To open the seat manually **(page 5-26)**, mechanical key (1) has been provided into the FOB key. To take out the key, press the button (2) on the FOB key. Make sure there's a click sound when putting the key back into the FOB key for proper placement.



(1) Mechanical key (2) Button

NOTE

If the vehicle battery is discharged, mechanical key can be used to open the seat (page 5-26).

WARNING

FOB key should be carried with rider. Do not store it in the vehicle.

WARNING

When the FOB key is within the operating range of vehicle, take appropriate precautions because other people those are not carrying the FOB key can start the engine and operate the vehicle.

NOTE

- ***The FOB key should be kept within 1.5±0.3 meters of vicinity to operate the control switches and to drive the vehicle.***
- ***The FOB key should be kept within 20-30 meters of vicinity to operate seat unlock, bike finder and follow me home features.***
- ***If the vehicle is driven away during "ON" condition without FOB key:***
  - ***As a safety measure, the vehicle keeps running and nothing abnormal happens.***
  - ***Once handlebar is locked, it cannot be unlocked without FOB key.***
- ***Do not keep the key in the center compartment. Other personal items stored in the center compartment can affect its operation.***
- ***Avoid putting the FOB key in water or any other liquid.***
- ***Avoid dropping, bending, or exposing the FOB key to strong impacts.***
- ***If key is diagnosed with any problem, key pairing indicator will blink on the meter console.***

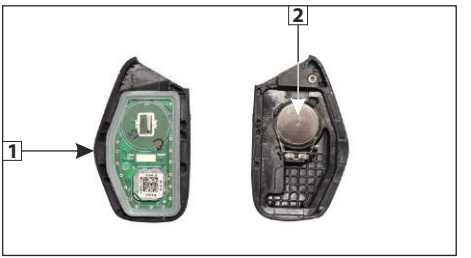
Battery replacement

If the FOB key is not working properly, try replacing the battery with a new battery.

Battery type: 3-volt coin cell battery CR-2032.

To replace the battery:

- Use a slim tool to pry open the cover (1) of the FOB key.
- Remove the old battery (2) and insert the new battery. Make sure the battery position is correct.
- Reinstall the cover of the FOB key properly.



(1) Cover (2) Battery

NOTE

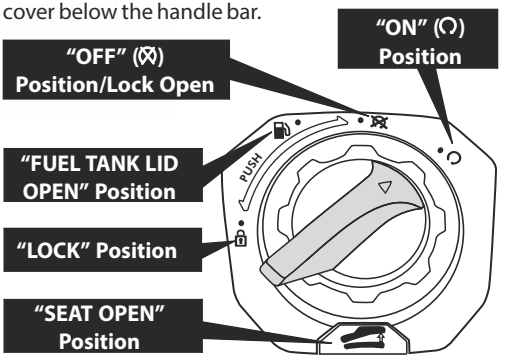
- ***If you suspect your FOB key might have sustained some damage, or you feel your FOB key is not working correctly, it is recommended to visit Authorised*** Hero MotoCorp ***workshop.***
- ***It is recommended to use a genuine battery.***
- ***An improperly disposed battery can be harmful to the environment and human health. Always confirm with the applicable laws for battery disposal.***

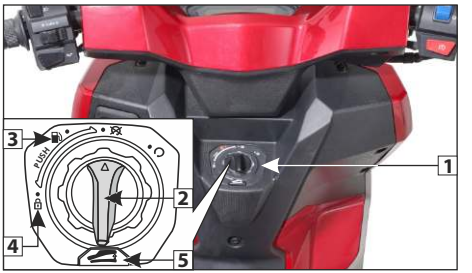
WARNING

- ***Battery and parts can be harmful if swallowed. Keep the battery and other removable parts away from children.***
- ***Avoid touching the internal circuits. As it may cause malfunctioning of the FOB key.***

IGNITION SWITCH

The ignition switch (1) is located on the inner cover below the handle bar.





(1) Ignition switch
(2) Ignition switch knob
(3) Fuel tank lid open position
(4) Steering lock position
(5) Seat open push button

Knob Position	Function
"ON" (○)	The LCD panel illuminates & initial display of multi function digital segments are displayed. The fuel gauge segment will swing to the maximum scale once and back to their normal position. The engine can be started. Turn signal lamp, horn, tail/stop lamp, fuel gauge will be functional. Malfunction indicator lamp (MIL) illuminates continuously and i3s indicator glows for 2 seconds. To turn "ON" the vehicle power, refer **(page 5-4).**
"OFF" (⊗)	Engine cannot be started and cannot be operated. To turn "OFF" the vehicle power, refer **(page 5-4).**
"FUEL TANK LID OPEN"	Fuel tank lid can be opened by rotating the ignition switch knob counter clockwise.
"LOCK" (🔒)	Steering can be locked by pushing the ignition switch knob in and then rotating it counter clockwise. After vehicle has been locked, all turn signal lamps will flash once.
"SEAT OPEN" (🪑)	Seat can be opened by pushing the seat open push button once.

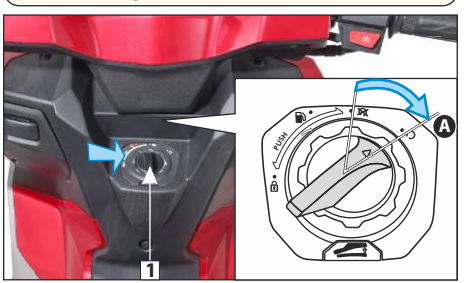
Turning vehicle power "ON", ("○" position)

To turn "ON" the vehicle power, follow the steps below:

1. Bring the FOB key within the operating range of the vehicle.
2. Push and release the ignition switch knob (1), the ignition switch light comes "ON" with a click sound. All turn signal lamps flash once and the key pairing indicator blinks for 2 times.
3. Turn the ignition switch knob to "ON" (○) position towards direction (A) and the vehicle power turns "ON".

WARNING

- ***During riding condition, never turn the ignition switch knob to "OFF", "steering lock" or "fuel open " position. This will switch off the electrical system of the vehicle, which may lead to loss of control or an accident.***
- ***When leaving the vehicle unattended, be sure to turn the ignition switch "OFF".***

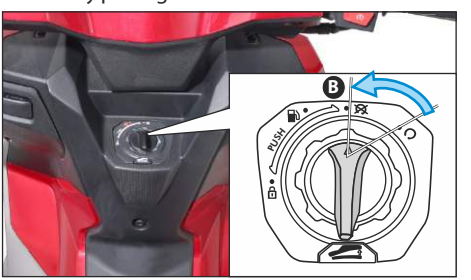


(1) Ignition switch knob

Turning vehicle power "OFF", ("⊗" position)

To turn "OFF" the vehicle power, follow the steps below:

1. Bring the FOB key within the operating range of the vehicle.
2. Turn the ignition switch knob to "OFF" (⊗) position towards direction (B).
   At this position, ignition switch light goes off after few seconds and vehicle power turns "OFF". All turn signal lamps flash for 2 times and key pairing indicator blinks once.



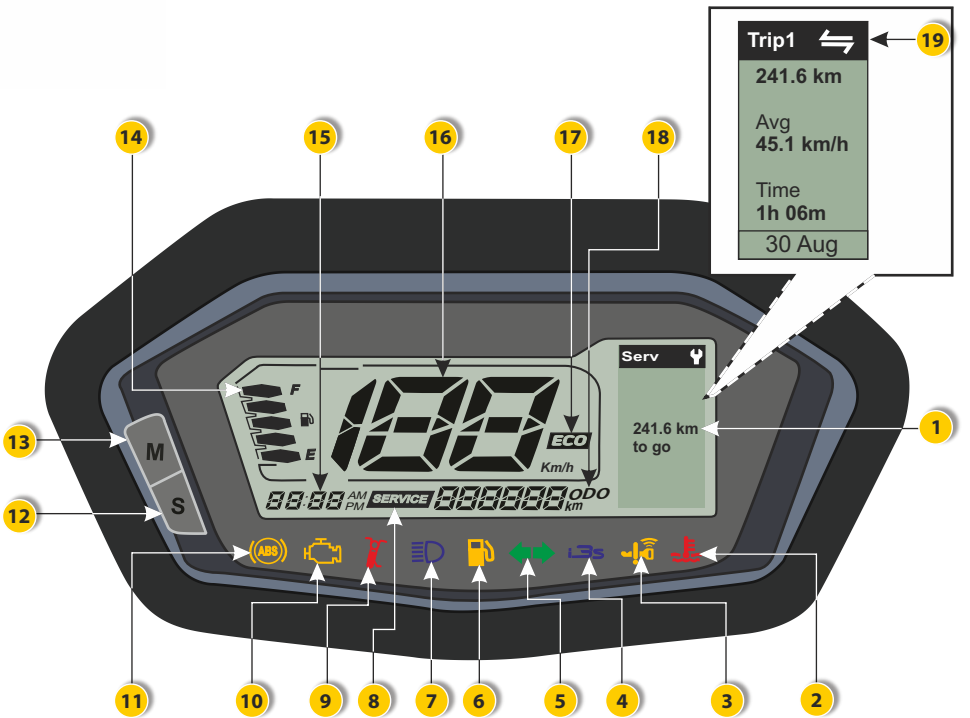
CAUTION

- ***Do not push the ignition switch knob repeatedly.***
- ***Do not turn the ignition switch knob back and forth more than normal use.***

Doing so, may cause malfunctioning of the ignition switch.

INSTRUMENTS AND INDICATORS

The indicators are in the speedometer panel. The functions are shown below.



Sl. No.	Description	Function
1	Next service distance	Indicates how many kilometer are left before the next service is due. It appears for few seconds when the ignition switch is turned "ON" ( ) **(page 5-12).**
2	Engine coolant temperature indicator ( )	Indicates the coolant temperature and glows when the coolant temperature is too high **(page 7-17).**
3	Key pairing indicator ( )	Indicates the communication between the vehicle and the FOB key. If there is an error in the FOB key system, the indicator light will blink and beeper will beep **(page 5-31)**.
4	i3s indicator ( )	Indicator glows for 2 seconds and turns "OFF" indicating that i3s system is functional.
5	Turn signal indicators ( )	Flashes when turn signal switch is operated.
6	Low fuel indicator ( )	Light glows when the fuel quantity is low **(page 5-13)**.
7	High beam indicator ( )	Light glows when headlamp is in high beam.
8	Service reminder indicator	Displays when the next service is due **(page 5-12).**
9	Side stand indicator ( )	Light glows when the vehicle is parked on the side stand. Side stand indicator glows continuously, if any fault is detected in the side stand system.

Sl. No.	Description	Function
10	Malfunction indicator lamp (MIL) 	When the ignition switch is turned "ON" the malfunction indicator lamp (MIL) glows continuously until the vehicle starts. It indicates that programmed FI system is OK. If MIL remains "ON" even if the vehicle is started, there is an abnormality in the programmed FI system. It is recommended to reduce the speed and drive to the Authorised Hero MotoCorp workshop for check-up.
11	Anti-lock braking system (ABS) indicator	This indicator normally comes on for approx 1.8 seconds when the ignition switch is turned "ON" () and then keeps blinking until the vehicle attains a speed of 5 km/h. If there is a problem with the anti-lock braking system, ABS indicator turns "ON" **(page 5-31).**
12	Set button	To adjust clock, date & tripmeter. When long pressed, resets tripmeter to zero.
13	Mode button	To change the mode (tripmeter-1 & 2, navigation mode, RTMI mode), clock and date adjust.
14	Fuel gauge	Indicates approximate fuel available in the form of digital segments. The digital segments will swing to maximum scale on the meter console once the ignition switch is turned "ON" (). If the last segment starts to blink, it means that the vehicle is running on reserve fuel. It will not only result in the vehicle running out of fuel, it may also cause serious damage to the fuel pump.
15	Digital clock	Indicates time in hour and minute (12 hr format as AM/PM)**.**
16	Speedometer	Indicates riding speed.

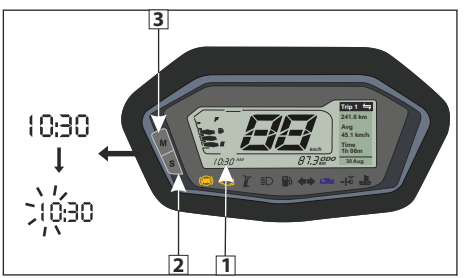
Sl. No.	Description	Function
17	Eco mode ECO	Indicates that vehicle is running in the fuel economy range which gives better mileage **(page 5-16).**
18	Odometer	Shows accumulated distance travelled **(page 5-10).**
19	Tripmeter	Shows the distance travelled, average speed and trip time during the trip after setting to zero **(page 5-10).**

LCD PANEL

(a) Digital clock

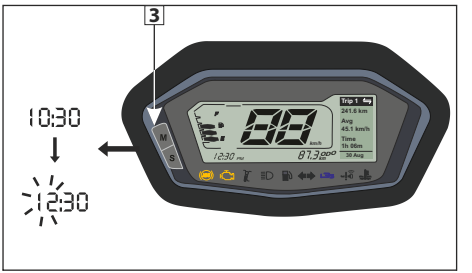
Digital clock (1) shows hour and minute. To adjust the time, proceed as follows :

- Turn the ignition switch "ON" ().
- Press and hold set button (2) and mode button (3) simultaneously for more than 2 seconds. The clock will be set in the adjust mode with the hour's digit display blinking.



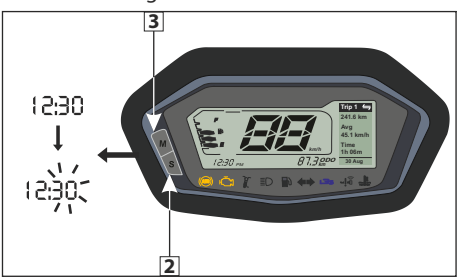
(1) Digital clock **(2) Set button**
(3) Mode button

- To set the hour, press mode button (3) until the desired hour is displayed.
  - The time is advanced by 1 hour each time the button is pressed.
  - The time advances fast when the button is pressed and held.
  - "AM" will change to "PM" (after midday).
  - "PM" will change to "AM" (before midday).



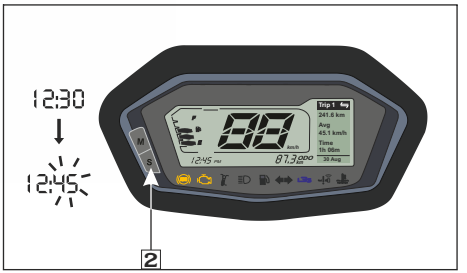
(3) Mode button

- Press the set button (2). The minutes display starts blinking.



(2) Set button **(3) Mode button**

- To set the minute press mode button (3) until the desired minute is displayed. The minute display will return to "00" when "59" is reached without affecting the hour display.
  - The time advances by 1 minute, each time the button is pressed.
  - The time advances fast when the button is pressed and held.



(2) Set button

- To end the adjustment press set button (2). The display will stop blinking automatically and it will return to its pervious value if the button is not pressed for 30 seconds or more.

NOTE

The clock will reset to "1:00" if the battery is disconnected.

(b) Odometer/Tripmeter

The odometer (1) shows accumulated distance travelled.

The tripmeter (2) shows distance travelled since trip meter was reset last time. There are two tripmeters, "Trip-1" and "Trip-2".

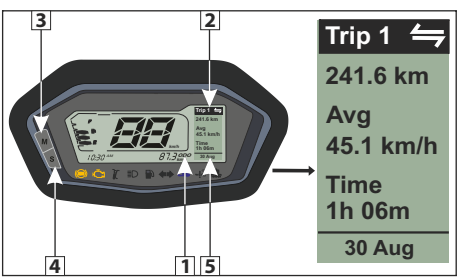
Push the mode button (3) to select "Trip-1" and "Trip-2". "Trip-1" and "Trip-2" can be displayed up to "999.9" km.

If the tripmeter exceeds "999.9" km it will return to "0.0" km automatically.

Tripmeter displays following parameters:

- **Distance**: distance covered in a trip.
- **Avg Speed**: it indicates the average running speed of the vehicle with respect to km covered per hour throughout the trip.
- **Trip time**: time taken to complete a trip.
- **Date**: it shows the current date.

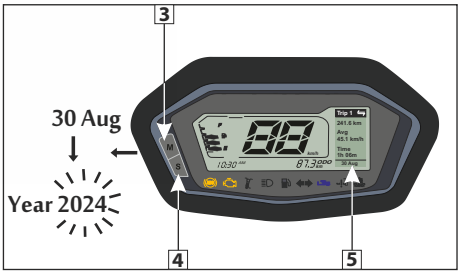
When tripmeter is selected, long press (more than 2 seconds) the set button to reset tripmeter to zero. Trip time starts, when the engine RPM is 500 or more. The odometer can be displayed from "0 to 999999" km.



(1) Odometer (2) Tripmeter (3) Mode button
(4) Set button (5) Date

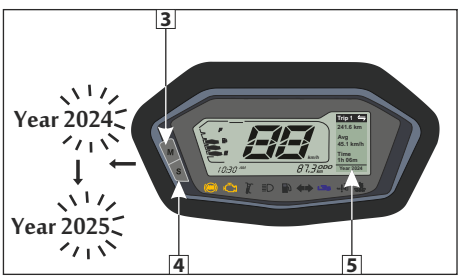
To update the date proceed as follows :

- Turn the ignition switch "ON" (🔑).
- Press and hold set button (4) and mode button (3) simultaneously for more than 2 seconds. The clock display will start blinking **(page 5-9)**.
- Keep pressing and releasing set button (4) until date display (5) starts blinking.



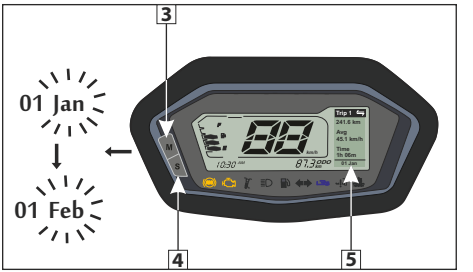
(3) Mode button (4) Set button
(5) Date display

- Now to set year, press mode button (3) until the desired year is displayed.



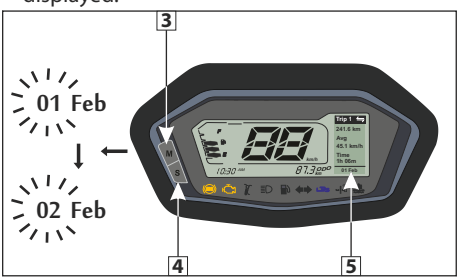
(3) Mode button (4) Set button
(5) Date display

- To set month, press the set button (4) to switch from year to month display. Now press the mode button (3) until the desired month is displayed.



(3) Mode button (4) Set button
(5) Date display

- To set day, press the set button (4) to switch from month to day display. Now press the mode button (3) until the desired day is displayed.



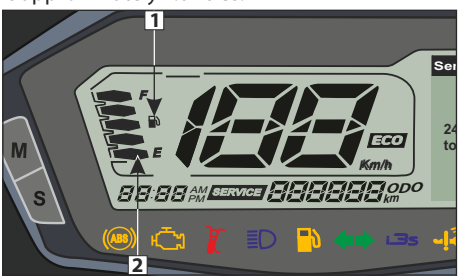
(3) Mode button (4) Set button
(5) Date display

- To end the adjustment press the set button until date display stops blinking. The display will stop flashing automatically and it will return to its pervious value if the button is not pressed for 30 seconds or more.

(c) Fuel gauge

The fuel gauge (1) indicates approximate fuel available in the form of digital segments.

The digital segments (2) will swing to maximum scale on the meter console once the ignition switch is turned "ON" (). If all the segments are displayed, it means fuel quantity in the fuel tank is approximately 7.0 litres.



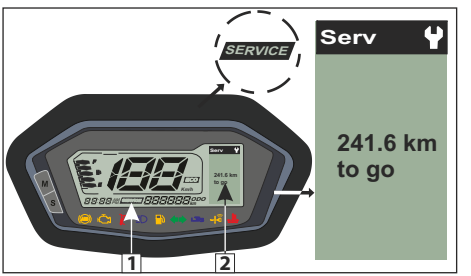
(1) Fuel gauge (2) Segments

(d) Service reminder indicator

The service reminder indicator (1) is to indicate to the user to bring the vehicle to an Authorised Hero MotoCorp workshop for service. The indicator will start blinking when the vehicle covers kilometers as specified in the maintenance schedule. The indicator will keep on blinking throughout the kilometer interval for a particular service and will stay "ON" thereafter.

Meter console also displays the next service distance (2). It indicates how many kilometers are left before the next service is due. It appears for few seconds when the ignition switch is turned "ON" ().

The service reminder indicator can be reset at an Authorised Hero MotoCorp workshop.



(1) Service reminder indicator
(2) Next service distance

NOTE

After getting the vehicle serviced, make sure that the service reminder indicator has been reset.

(e) Real time mileage indicator (RTMI)

The real time mileage indicator (RTMI) (1) shows the current mileage of the vehicle in km/litre and is refreshed after every 3 seconds. Press the mode button (2) until RTMI is displayed.

When the ignition switch is turned "ON" ( ) position, the real time mileage indicator will temporarily show the digit **"- -. -"** km/litre.

The fuel consumption shall be displayed when the speed of the vehicle is **5±2** km/hr. If the speed is less then **5±2** km/hr **"- -. -"** km/litre will be displayed.

The RTMI shows a minimum value of "0.0" km/litre and maximum value of **"99.9"** km/litre.



(1) Real time mileage indicator (RTMI)
(2) Mode button

During coasting with throttle fully closed, the fuel consumption is very minimal and hence the display can go up to **"99.9"** km/litre.

NOTE

While riding, RTMI will show its first reading at 10 seconds and thereafter will update in every 3 seconds.

LOW FUEL INDICATOR

Low fuel indicator (1) is a warning indicator for the user to refuel as soon as possible.

CAUTION

Please ensure the vehicle is not used with low fuel indicator glowing continuously. It will not only result in the vehicle running out of fuel, but may also cause serious damage to the fuel pump. Please ensure fuel is filled up as soon as the low fuel indicator starts glowing.



(1) Low fuel indicator

NOTE

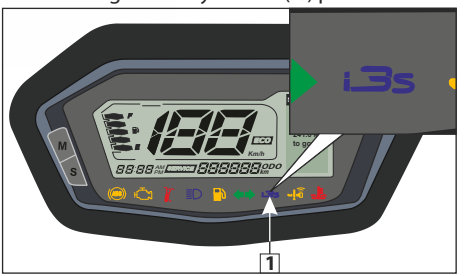
To check the fuel level indication, the vehicle should be on levelled surface and in stationary condition.

FEATURES

(a) i3s (Idle stop start system)

Starting & Warm up the engine:

- Turn the ignition key to "ON" (🔑) position.



(1) i3s indicator

- The i3s indicator (1) will glow on the meter console for 2 seconds and turn "OFF". For the activation of i3s system, start the engine and let it idle till the engine gets warmed up (Engine oil temperature read by ECU shall be more than 75°C).

Initial activation of the i3s system:

- Keep the i3s switch (2) to "ON" position.
- Turn the ignition knob to "ON" (🔑) position.
- The i3s indicator on the meter console will glow for 2 seconds and turns "OFF".
- Put the vehicle in stand still condition on its main stand (Speedometer is on 0 km/h).
- Start the engine and allow it to run at idle r/min.

  Ensure that the r/min should not cross *2200.*



(2) i3s switch

- The i3s indicator will be continuously "ON" for 8 seconds before engine cuts-off by i3s system (Engine oil temperature read by ECU shall be more than 75°C). After engine cuts-off by i3s, i3s indicator will blink for 500 seconds, waiting user input to start engine by pressing brake & slight throttle, brake & electric start. During this 500 seconds interval, if the vehicle is pushed at speed greater than or equal to 5 km/h, vehicle can be started by applying slight throttle only.

  After 500 seconds, i3s indicator will be "OFF" and the vehicle can only be started by using brake & electric starter.
- If engine is stopped by any means other than i3s function, i3s indicator lamp will not glow/blink in the meter console after engine stop. In this condition, vehicle will not start by brake & slight throttle. Vehicle can be started by using electric start.

NOTE

- ***If for the first time vehicle is started and rider crosses 20 km/h speed. After that, vehicle is kept in idle (Engine r/min less than 2200 r/min), vehicle is in stationery condition (Speedometer is on 0 km/h), Engine is warmed up (Engine oil temperature read by ECU shall be more than 75°C) then the engine will be turned "OFF" in 8 seconds.***
- ***The i3s indicator will be continuously "ON" for 8 seconds before engine cuts-off by i3s system (Engine oil temperature read by ECU shall be more than 75°C). After engine cut-off by i3s, i3s indicator will blink for 500 seconds, waiting user input to start engine by pressing brake & slight throttle, brake & start switch. During this 500 seconds interval, if the vehicle is pushed at speed greater than or equal to 5 km/h, vehicle can be started by applying slight throttle only.***

  After 500 seconds, i3s indicator will be "OFF" and the vehicle can only be started by using brake & start switch.
- ***If engine is stopped by any means other than i3s function, i3s indicator lamp will not glow/blink in the meter console after engine stop. In this condition, vehicle will not start by brake & slight throttle. Vehicle can only be started by using start switch.***
- ***If i3s switch is put on "OFF" position once the engine is stopped by the i3s system then vehicle can only be started by using brake & start switch.***
- ***After engine is cut-off by i3s, if side stand position is changed from "Up" to "Down" and then again "Down" to "Up" in the same ignition cycle, then i3s functionality will be disabled in the vehicle. Hence, after that, vehicle cannot be started by brake & slight throttle. But, if the engine is started by brake & start switch, the i3s operation will be enabled if all i3s conditions are met.***

Driving with i3s switch in "ON" position:

If the engine is stopped by i3s and it remains in "OFF" condition for more than 500 seconds then vehicle can only be started with brake & start switch.

Driving with i3s switch in "OFF" position:

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

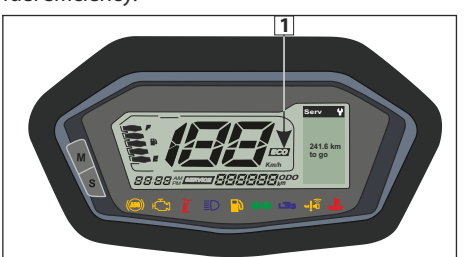
NOTE

- ***The i3s system will not function if rider puts the i3s switch to "OFF" position.***
- ***If the battery voltage is low and engine r/min is less than 2200, there will be 3 continuous blinks after every 6 secs.***
- ***If the low battery voltage is detected while the ignition key is in "ON" position or engine is in running condition, the i3s function will be deactivated until the rider turns the ignition switch to "OFF" (⊗) position and then back to "ON" (⚷) position, it is recommended to visit your Authorised*** Hero MotoCorp ***workshop.***

- ***If the vehicle is driven without battery or with the dead battery and the engine r/min is less than 2200. The i3s indicator on the meter will blink continuously at every 1.5 secs.***
- ***If the vehicle has fallen down, i3s function will be deactivated. Before restarting the engine you must turn the ignition switch to "OFF" (⊠) position and then back to "ON" (○) position.***
- ***If vehicle diagnoses with any problem in electronic control unit (ECU) the i3s function will not work.***
- ***If the battery is in healthy condition and the i3s system does not work properly, it is recommended to visit your Authorised*** Hero MotoCorp ***workshop.***

(b) ECO mode

ECO mode assists the rider to achieve optimum fuel efficiency.



(1) Eco mode

ECO mode (1) will display when the vehicle speed is in between 20 to 60 km/hr .

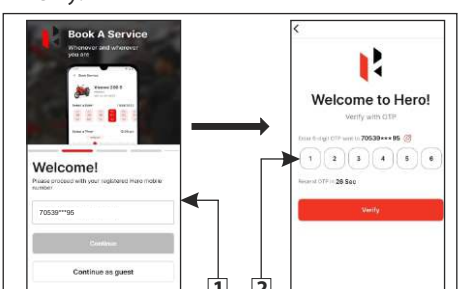
(c) Hero App

Application:

Hero App is available in the google play store (for androids) or App Store (for iOS), which can be installed in your device to access bluetooth, incoming calls alerts, missed call alerts, mobile battery status, message alert and navigation features.

To connect your device proceed as follows:

- Open Hero App on your smartphone.
- Application asks the user to login (1) using registered mobile number.
- Now user will receive the 6-digit OTP on registered mobile number.
- User required to enter the 6-digit OTP (2) and verify.

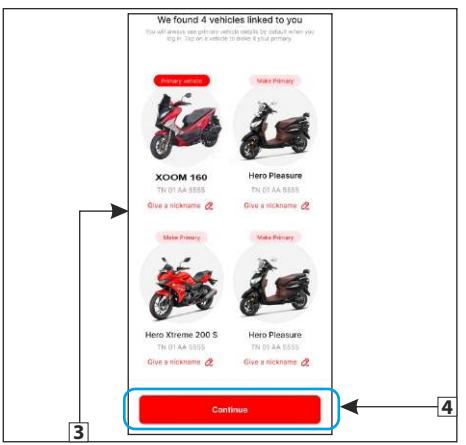


(1) Login **(2) Enter OTP**

NOTE

- ***Compatibility and performance of Hero App may vary based on your device and software version.***
- ***Application needs GPS signal, internet and bluetooth connectivity to perform the desired navigation functionality.***

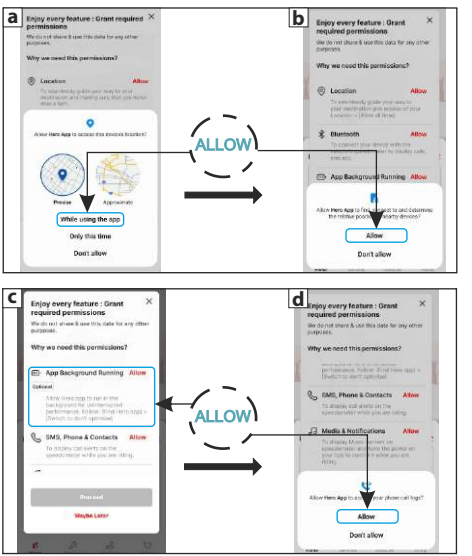
- After successful verification, select vehicle screen (3) will be replicated on mobile screen. Tap on the vehicle image to continue.
- Select the vehicle and click on "Continue" (4).

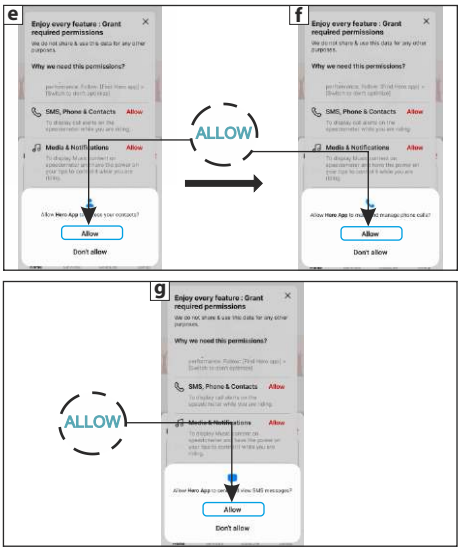


(3) Select vehicle screen **(4) Continue**

- For first time pairing, allow the application to access:

a. Device location.
b. Bluetooth connectivity.
c. App background running (optional).
d. Phone call logs on your device.
e. Contacts.
f. Make and manage phone calls.
g. Send and view SMS messages.





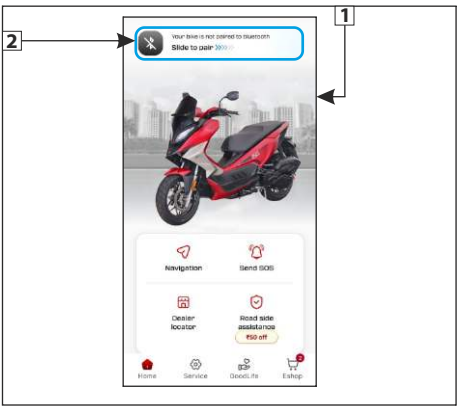
Bluetooth:

Your vehicle is equipped with bluetooth connectivity feature by which you can pair your smartphone with the meter console of your **XOOM 160** vehicle through Hero App.

After successful login to Hero App **(page 5-16)**

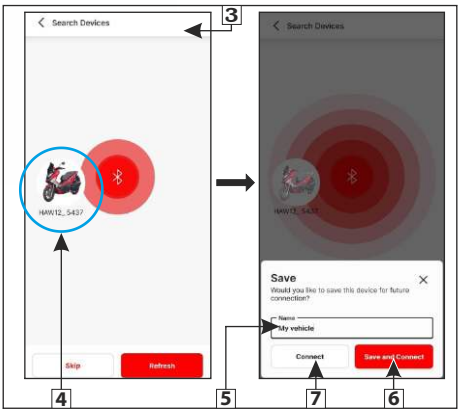
To connect your device to bluetooth proceed as follows:

- After selecting the vehicle, user can view the Dashboard (1) with 'Slide to pair' tab visible.
- After sliding the 'Slide to pair' (2) tab.



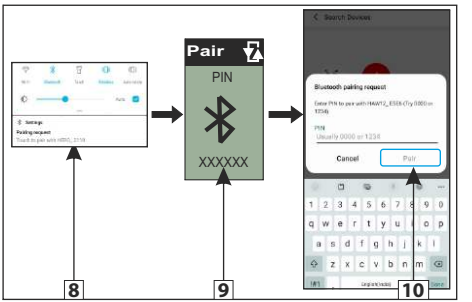
(1) Dashboard **(2) Slide to pair**

- User will be redirected to the Bluetooth searching screen (3).
- The application searches for a while and displays all compatible nearby devices. Select the device (4).
- Update your name (5) (if required) and select either save and connect (6) or connect (7) to proceed.



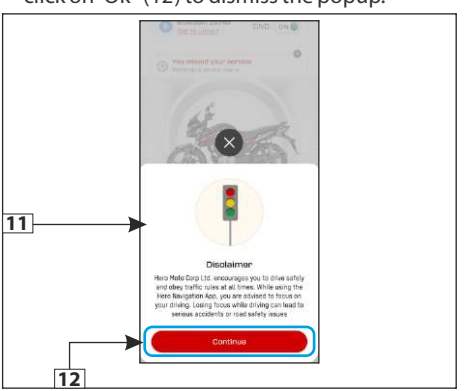
(3) Bluetooth searching screen
(4) Select the device
(5) Update your name
(6) Save and connect
(7) Connect

- Now application will send pairing request notification (8). Click on the notification
- Now meter console will display paring pin (9).
- Enter the pin in application screen and select "Pair" (10).



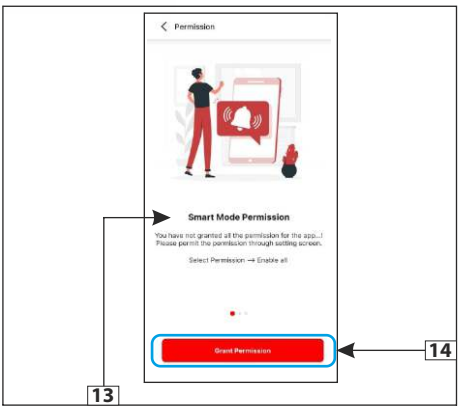
(8) Pairing request notification
(9) Pin **(10) "Pair"**

- Disclaimer popup (11) instruction will show, click on "Ok" (12) to dismiss the popup.



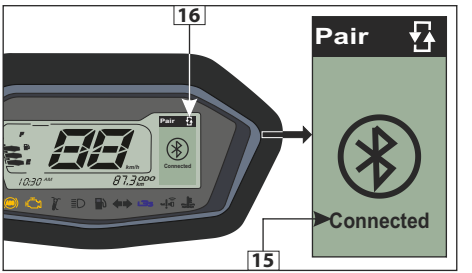
(11) Disclaimer popup **(12) Ok**

- Now application asks the user to give the smart mode permission (android) (13) for DND mode, where phone will switch to vibrate mode from ringing.
- After granting permission (14) user will be able to access the DND feature.

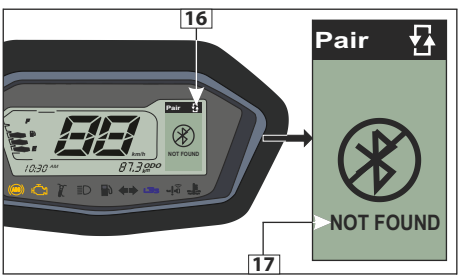


(13) Smart mode permission
(14) Grant permission

- On pairing, meter console displays "Connected" (15) below bluetooth symbol in bluetooth mode (16).
- If any error occurs during the course of pairing process, then meter console will display "Not found" (17) below bluetooth symbol. Repeat the above steps and keep your smartphone close to the vehicle to reconnect.



(15) Bluetooth connected
(16) Bluetooth mode



(16) Bluetooth mode **(17) Not found**

Autopairing

Your vehicle is equipped with autopairing feature by which if you turn "OFF" vehicle's ignition switch after successful pairing with Hero App, it will reconnect automatically once ignition switch is turned "ON".

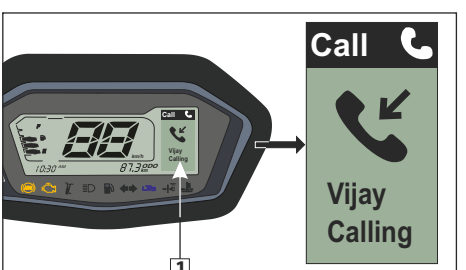
NOTE

- ***Always keep your smartphone close to your vehicle during the course of pairing, autopairing and navigation.***
- ***Application needs to be running in the background and bluetooth must be ON.***

Various features of Hero App are as follows:

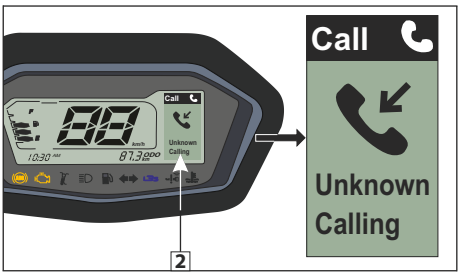
- **Incoming call alert**

When smartphone is paired with the meter console of your vehicle via bluetooth **(page 5-18)**, then you will get all the incoming calls alerts (1) on the meter console. It will display the name of the caller if it is stored in your compatible smartphone. For example: If caller's number is stored in your compatible smartphone by name of Vijay, then your meter console will display Vijay calling (1).



(1) Incoming call alert by name

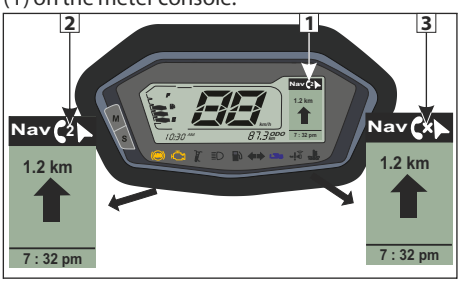
If the number is not saved in your device by name or your device is an iOS, then it will display "unknown calling" (2).



(2) Incoming call alert by unknown number

- **Missed call alert**

When your smartphone is paired with the meter console of your vehicle via bluetooth **(page 5-18)**, then you will get all the missed calls alerts (1) on the meter console.

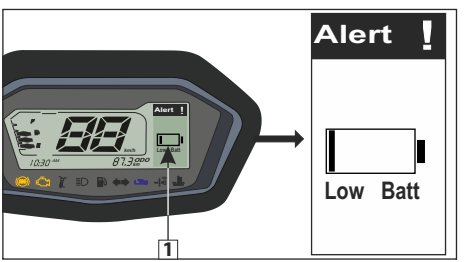


(1) Missed call alert
(2) Number of missed call (1 to 9)
(3) Number of missed call (more than 9)

- If number of missed call is less than or equal to 9 then it will display number of missed calls as respective digit (2) .
- If number of missed call is more than 9 then it will display as "X" (3).

- **Low battery alert:**

When your smartphone is paired with the meter console of your vehicle via bluetooth **(page 5-18)**, then it will display low battery alert (1) if the battery of your paired smartphone is too low and in dashboard of Hero App (2).



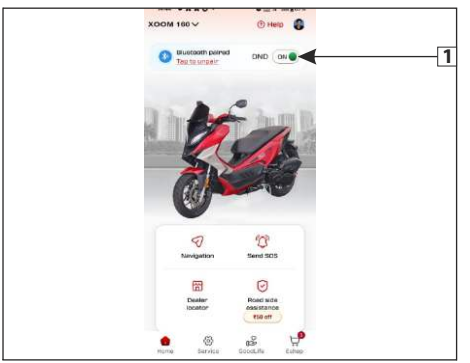
(1) Low battery alert

NOTE

If the user's smartphone battery remains low, a low battery alert will appear on the meter console every 5 minutes.

- **Do not disturb (DND) mode**

When your smartphone is paired with the meter console of your vehicle via bluetooth **(page 5-18)**, then you can switch "ON" the DND mode (android) (1) in which your smartphone will be on vibrate mode and if you receive any call, an SMS will be triggered and sent to the caller stating **"I'm riding bike, Please call me later"**.

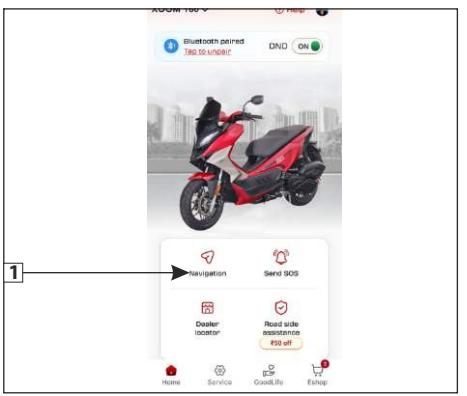


(1) DND mode on Hero App

- **Navigation**

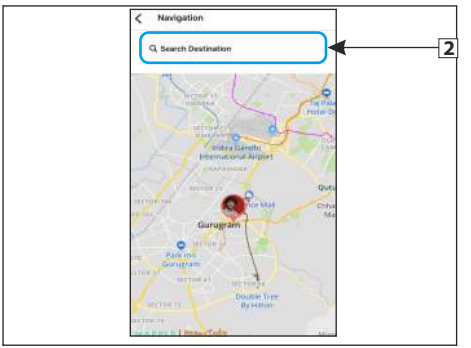
To use navigation feature proceed as follows:

- Connect your vehicle with your Hero App via bluetooth **(page 5-18).**
- Click on navigation (1) in the dashboard of Hero App.



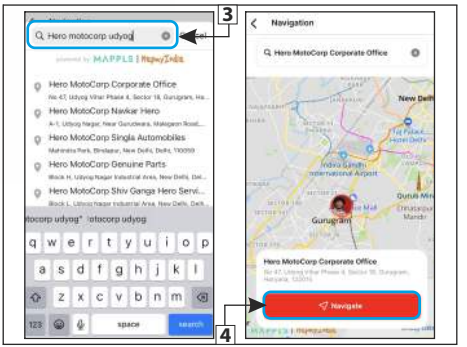
(1) Navigate on Hero App

- User will search the destination (2) on the Hero App.



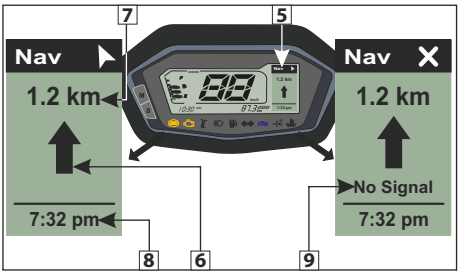
(2) Search the destination

- Application shows the search result (3) of the addresses, User can select the address to find and check the route.
- Once route is found user have to click on 'Navigate' (4) and the route suggestion will show in the map.



(3) Search result (4) Navigate

- Now user can view the turn by turn navigation in navigation mode (5) on meter console of the vehicle.
- After clicking on navigate, meter console will display the direction (6), distance for next move (7) and estimated time of arrival (ETA) (8). Estimated time of arrival will be displayed in "am"or "pm". Hero App and meter console of your vehicle will display step by step navigation guidance/direction through navigation signs **(page 10-1)**.



(5) Navigation mode (6) Direction
(7) Distance for next move (8) ETA
(9) No signal

NOTE

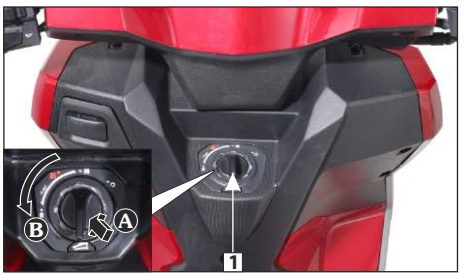
At any point, if Navigation system loses signal, then it displays "No Signal" (9) on meter console when vehicle is in navigation mode.

WARNING

Navigation system assists you to reach your destination, don't be distracted while driving. Drive safely and always obey traffic rules.

(d) Steering lock

To lock the steering, turn the handlebar all the way to the left, push the ignition switch knob (1) and simultaneously turn it counter clockwise to steering lock position (🔒).



(1) Ignition switch knob (A) Push in (B) Turn to lock

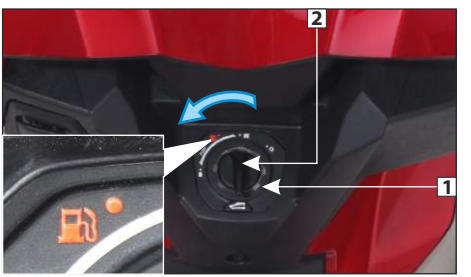
CAUTION

- ***Do not try to turn the ignition switch knob to "LOCK" position while riding the vehicle, which may lead to loss of vehicle control.***
- ***When leaving the vehicle, make sure you lock the steering and take the FOB key with you.***

(e) Fuel tank lid lock

The fuel tank lid lock is provided along with ignition switch (1).

To open the lid, push and release the ignition switch knob (2) and turn it counter clockwise to "⛽" position. The lid will release from its latch. To lock the lid, push it down gently until you hear a click sound, indicating proper locking.



(1) Ignition switch (2) Ignition switch knob

(f) Seat

Seat can be unlocked by using various methods given below:

- **FOB key**: Press the seat unlock button on the FOB key. The seat will release from its latch **(page 5-1)**.
- **Vehicle ignition switch:** Press the seat unlock button (1) on the vehicle ignition switch to unlock the seat.



(1) Seat unlock button

- **Seat lock:** The seat lock is provided on the left floor board. To access the seat lock, remove the left floorboard mat (1).



(1) Floorboard mat

To open the seat, insert the key (2) and turn it clockwise. The seat will release from its latch.



(2) Key

To lock the seat, close and push down on the rear of the seat until it locks.

Make sure the seat is secured 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.

(g) Center compartment

The center compartment (1) is below the seat. Opening and closing the seat lock, see **(page 5-26).**

MAXIMUM WEIGHT LIMIT: 10 kg



(1) Center compartment

Never exceed the maximum weight limit as 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.

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.

(h) Glove box

Glove box (1) is located on the inner cover (2) where you can keep things like your mobile phone.



(1) Glove box **(2) Inner cover**
(3) Knob **(4) Glove box lid**

To open the front box, pull the knob (3) of the glove box lid (4).

MAXIMUM WEIGHT LIMIT : 0.5 kg

⚠ WARNING

Do not exceed the maximum weight limit of glove box.

(i) First aid kit/Tool kit holder

The first aid kit (1) and tool kit (2) are located on the bottom of the seat and secured with rubber bands. Opening and closing the seat lock, see **(page 5-26).**



(1) First aid kit **(2)Tool kit holder**

(j) Boot lamp/Boot lamp switch

A boot lamp (1) is provided in the center compartment. This boot lamp will be functional only when the seat is open. Opening and closing the seat lock, see **(page 5-26).**

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**

(k) USB charger

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



(1) USB charger **(2) Cap** **(3) Glove box**

Use of non-standard USB cable may cause damage to the mobile phones. To connect a mobile phone to the charger, first open the cap from the USB charger and then plug the charger cable into it. Hero MotoCorp will not be

damages caused due to use of non-standard USB cable.

CAUTION

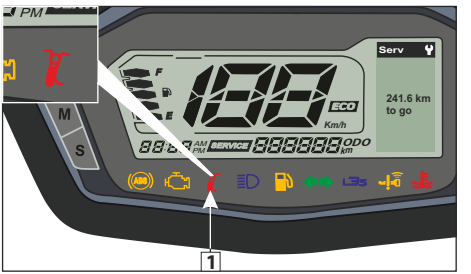
- ***Always place the device in a soft clean cloth/towel to avoid any damage due to road shocks while riding.***
- ***Multiple charging of USB devices have to be avoided, simultaneous charging may lead to slow or no charging.***
- ***USB port is for charging compatible USB devices.***
- ***Do not leave the USB device and USB cable in the front box when the vehicle is parked.***
- ***Charge your device when the engine is operational/while riding.***
- ***USB charger will not be covered under warranty in case of USB charger cap damage.***

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.***
- ***Press the cap slightly for proper locking of USB charger cap.***
- ***The charging time of mobile may vary, depending on the mobile's battery state of the charge, mobile make and conditions.***

(l) 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"), an indicator lamp glows in the meter console.



(1) Side stand indicator

(m) 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 does not operate as described in above steps, please visit your Authorised Hero MotoCorp workshop.



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

CAUTION

Ensure that adequate care is taken while cleaning the side stand switch.

Your vehicle is equipped with "Side stand engine kill" feature for added safety purpose.

This feature has following functions:

- It prevents starting the engine when side stand is down.
- It stops the running engine when side stand is moved down.

To inspect the functionality of this feature, park the vehicle on its main stand and check all the conditions described in the inspection flow diagram:

INSPECTION FLOW DIAGRAM

1. Press the start switch (with side stand is "down" and side stand indicator is "ON").

Does engine start? — YES → Visit Authorised Hero MotoCorp Workshop

NO

2. Then put the side stand "Up" (side stand indicator is "OFF") and start the engine.

Does engine start? — NO → Visit Authorised Hero MotoCorp Workshop

YES

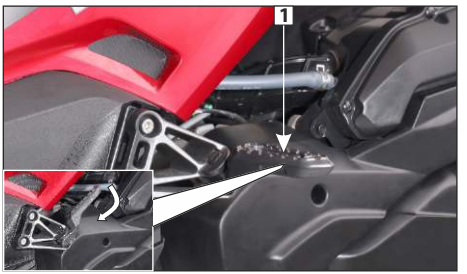
SYSTEM IS OK

WARNING

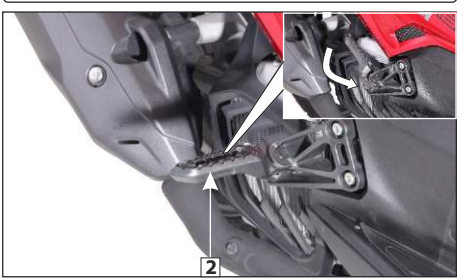
- ***If "Side stand engine kill" feature has any fault, side stand indicator will glow continuously and "Side stand engine kill" feature will not work.***
- ***Regularly inspect the functionality of "Side stand engine kill" feature and in case of any malfunction visit Authorised Hero MotoCorp workshop.***

(n) 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



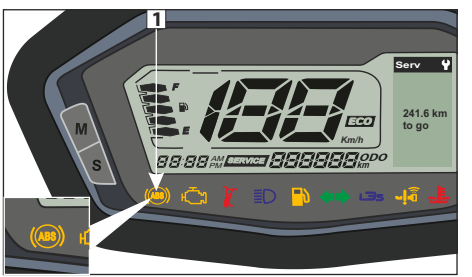
(2) Right footrest

(o) ABS indicator

The ABS indicator (1) on speedometer comes "ON" for 1.8 seconds when the ignition switch is turned "ON" (⏻) & then keeps blinking until the vehicle attains a speed of 5 km/h.

When the system functions normally indicator goes "OFF" (Ⓐ) once vehicle speed exceeds 5 km/h.

At any point if ABS indicator remains "ON" then ABS is not working, but the brakes still work normally. Reduce your vehicle speed and visit your Authorised Hero MotoCorp workshop.

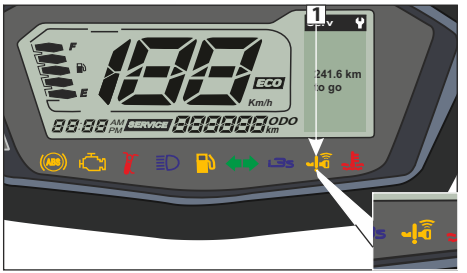


(1) ABS indicator

(p) Key pairing indicator

key pairing indicator on the meter console communicates the status of the FOB key system. When the FOB key system is operating normally, this indicator light will be "OFF". If there is an error in the FOB key system, the indicator light will flash.

This indicator light will also flash when the communication between the vehicle and the FOB key takes place.



(1) Key pairing indicator

Key pairing indicator will be turned "ON" based on the following vehicle inputs:

- When ignition switch power is turned "OFF", key pairing indicator **blinks for one time and then goes "OFF".**
- When the ignition power is turned "ON", key pairing indicator **blinks for two times and then goes "OFF".**
- When the FOB key battery is low, key pairing indicator remains **"ON".**
- When the FOB key signal is weak, then the key pairing indicator **blinks continuously for 20 times and 10 times beeper will beep and then "OFF".**

HANDLEBAR SWITCHES CONTROL

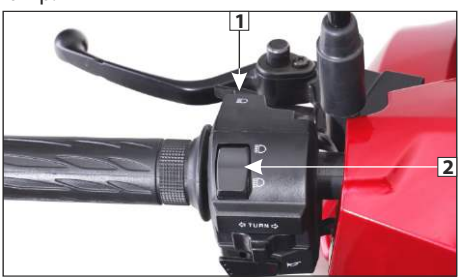
Left handlebar controls

1. Dimmer switch

Press the switch upwards for high beam " " and downwards for low beam " ".

2. Passing switch

Gives an indication to passing ahead. Press the passing lamp switch to operate the passing lamp.



(1) Dimmer switch (2) Passing switch

3. 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.

4. Horn switch ( )

Press the horn switch to operate the horn.



(3) Turn signal switch (4) Horn switch

Right handlebar controls

1. Start switch (⏻)

The start switch (1) is next to the throttle grip.
See **(page 6-1)** for the starting procedure.

2. i3s switch

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



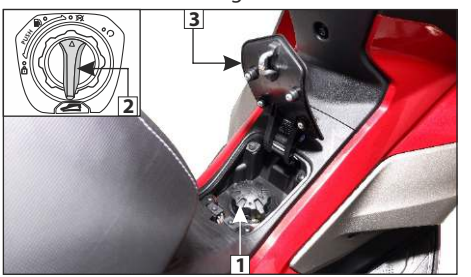
(1) Start switch (2) i3s switch

FUEL

(a) Fuel tank

The fuel tank is located under the center cover.
The fuel tank capacity is **7.0 litres** (Be sure to fill the fuel tank when low fuel indicator glows).
To open the fuel filler cap (1), follow the steps below:

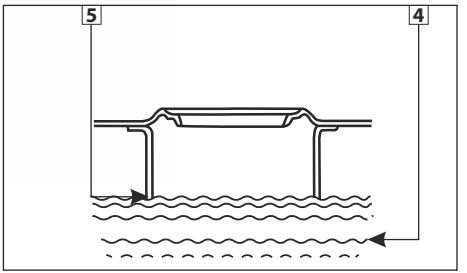
1. Push and release the ignition switch knob.



(1) Fuel filler cap (2) Ignition switch knob
(3) Fuel tank lid

2. Turn the ignition switch knob to "⛽" position **(page 5-3)**. The fuel tank lid (3) will open as shown in the picture. Remove the fuel filler cap by turning it counterclockwise.

Do not overfill the tank. There should be no fuel (4) in the filler neck (5).



(4) Fuel (5) 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.

After refueling, be sure to tighten the fuel filler cap firmly by turning it clockwise.

For locking, press the fuel tank lid gently.



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 Hero MotoCorp ***workshop. Failure to do so is considered misuse, and damage caused by misuse is not covered under*** Hero MotoCorp ***warranty policy.***

(b) Petrol containing alcohol

Fuel available at your location may contain ethanol. Ethanol is a form of alcohol and is generally mixed with petrol to reduce emissions.

E20 sticker on inner cover indicates that the vehicle parts are compliant up to the blend of "20% ethanol with petrol".



(1) E20 sticker (2) Inner cover

It is recommended not to use petrol containing more than 20% of ethanol to avoid any damage to engine and other parts of the vehicle.
If you observe any problem related to the operational performance of the vehicle, contact your Authorized Hero MotoCorp workshop.

CAUTION

Please ensure the vehicle is not used with low fuel indicator glowing continuously. It will not only result in the vehicle running out of fuel, it may also cause serious damage to the fuel pump. Please ensure fuel is filled up as soon as the low fuel indicator starts glowing.

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.***

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 (2) Lock nut
(3) Rear view mirror

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.

NOTE

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

EMERGENCY MODE

When the FOB key is lost or damaged, the vehicle can still be turned "ON" and the engine can be started.

User can enter emergency mode by following below step:

1. Press and hold both the ignition switch knob and the seat switch for 10 seconds.
2. When ignition switch knob's LED glows, it means the vehicle has successfully entered emergency mode.

Once the vehicle has entered emergency mode, you will need to enter the secret code:

- The key code is located on a tag plate that comes with the key.
- To enter the code (e.g., "123456789"), press the ignition switch knob the number of times corresponding to each digit, followed by one press of the seat switch.
  - For the first digit (1), press the ignition switch knob once, then press the seat switch.
  - For the second digit (2), press the ignition switch knob twice, then press the seat switch.
  - Continue this pattern for all nine digits.
- After the last digit is entered, the ignition switch knob LED will show a blinking pattern.
- Turn the ignition switch knob to "ON" position.

NOTE

A beep sound will confirm the entry of each digit of the secret code.

How To Ride Your Vehicle

06

Pre-ride inspection.....6-1

Starting the engine.....6-1

Running in.....6-3

Riding.....6-3

Braking.....6-10

Parking.....6-12

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 Hero MotoCorp workshop.

⚠ 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 7-12).** Check for leaks.
- **Engine coolant level-**Check for correct coolant level in overflow tank **(page 7-16).**
- **Fuel leve**l-Ensure sufficient fuel is available in your fuel tank for journey **(page 5-12).** Check for leaks.
- **Low fuel indicator**-Vehicle should not be operated with low fuel indicator glowing continuously **(page 5-13).**
- **Front brake** -Check for correct brake fluid level in the master cylinder **(page 7-19).**
- **ABS indicator-**Check ABS indicator for proper functioning of ABS **(page 5-31).**
- **Rear brake**-Check operation and if necessary, adjust free play **(pages 7-21).**
- **Tyres**-Check condition and pressure **(page 7-22).**
- **Throttle**-Check for smooth opening and full closing in all steering positions.
- **Lamps and horn**-Check that headlamp, position lamp, 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.
- **i3s switch**-Make sure whether the i3s switch is in "ON" or "OFF" position **(page 5-33).**
- **i3s system**-Make sure that i3s system is functional properly **(page 5-14).**
- **Fitting & fasteners**-Check & tighten if necessary.
- **Steering**-Check for smooth action for easy maneuverability.
- **Malfunction indicator lamp (MIL)**-When the ignition switch is turned "ON" the malfunction indicator lamp (MIL) glows continuously until the vehicle starts.

STARTING THE ENGINE

Always follow the proper starting procedure described below. This vehicle has a fuel injected system.

⚠ WARNING

Vehicle exhaust contains deadly carbon monoxide. This poisonous gas can quickly build up to dangerous levels in enclosed spaces like garages. Never start your vehicle inside a closed garage. Even with the door open, limit engine idling to only the time needed to move your vehicle outside.

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

WARNING

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

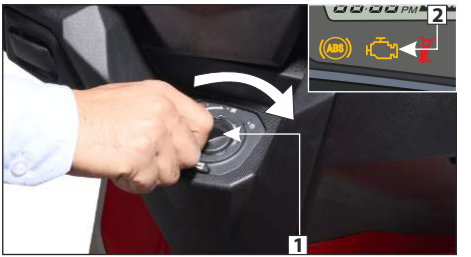


(1) Rear brake lever **(2) Lever lock**

- This vehicle is equipped with a side stand engine kill feature **(page 5-30)**.
- Turn the ignition switch knob (1) to "ON" (○) position.
- Confirm that the malfunction indicator lamp (MIL) (2) glows continuously and then goes "OFF" once the engine is started.

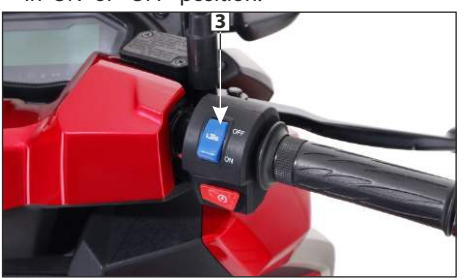
NOTE

If MIL remains "ON" even if the vehicle is started, there is an abnormality in the programmed FI system. It is recommended to reduce the speed and drive to the Authorised Hero MotoCorp ***workshop for check-up.***



(1) Ignition switch knob
(2) Malfunction indicator lamp (MIL)

- Make sure whether the i3s switch (3) is in "ON" or "OFF" position.



(3) i3s switch

- With the throttle closed, press the start switch (The engine will only start if one of the brake levers [front or rear] is activated and the side stand is fully retracted).



NOTE

The engine will not start if the throttle is fully opened as programmed FI system will cut off the fuel supply.

WARNING

- ***Do not leave the vehicle unattended while the engine is warming up.***
- ***Snapping the throttle or fast idling for more than 5 minutes at normal air temperature may cause exhaust pipe discolouration.***

Ignition cut off

Your vehicle is designed to automatically stop the engine & fuel pump, if vehicle falls down.

(Bank angle sensor cuts off the ignition).

NOTE

If the vehicle has fallen down, before restarting the engine you must turn the ignition switch to "OFF" (⊠) position and then back to "ON" (○) position.

RUNNING-IN

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

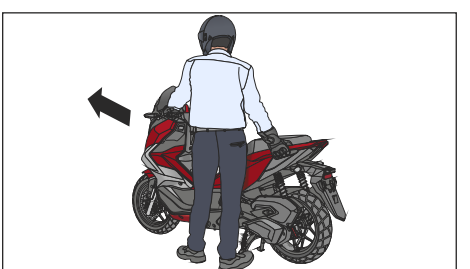
During this period, avoid full-throttle starts and rapid acceleration.

RIDING

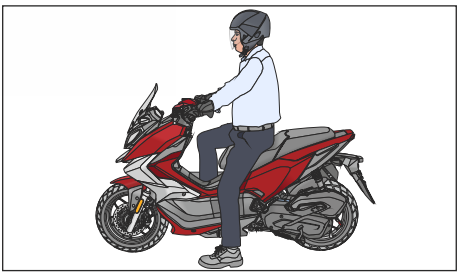
Review vehicle safety **(pages 1-1)** before you ride.

- **Make sure the throttle is closed and the rear 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.



- **Mount the vehicle from the left side** keeping at least one foot on the ground to steady the vehicle.
- **Unlock the rear brake** by further pressing the rear brake lever (1) so as to release the lever lock (2) from the lock. Then release the brake lever.

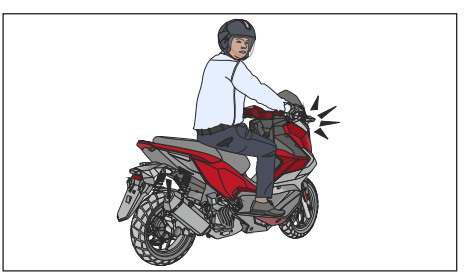


(1) Rear brake lever (2) Lever lock

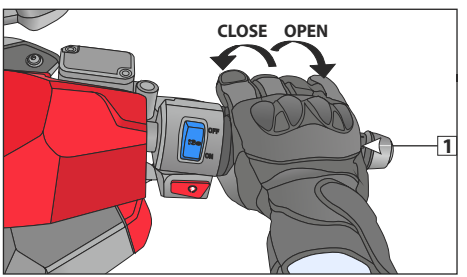
- **Before starting,** indicate your direction with the turn signals, and check for safe traffic conditions. Grab the handlebars firmly with both hands. Never attempt one-handed operation, this could lead to loss of vehicle control.

WARNING

Avoid excessive throttle opening/snapping during idling. It may lead to uncontrolled vehicle movement.

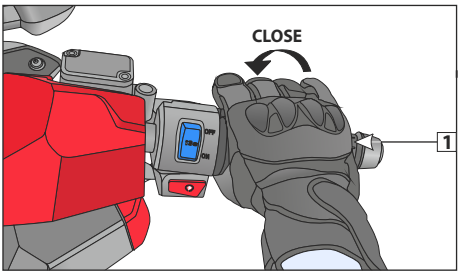


- **To accelerate,** open the throttle (1) gradually, the vehicle will move forward. Do not "BLIP" the throttle (open and close rapidly) as the vehicle will move forward suddenly, causing possible loss of control and loss of fuel economy.
  Do not accelerate with the brakes applied, this may lead to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

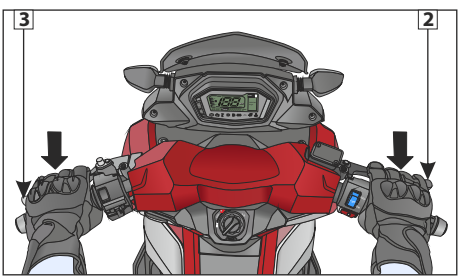


(1) Throttle

- **When slowing down the vehicle,** coordination of the throttle (1), front brake lever (2) and rear brake lever (3) is most important. To stop the vehicle, it is advised to apply both front and rear brakes simultaneously, keeping the throttle in close position.
  Excessive brake application may cause the wheels to lock, reducing control over the vehicle.

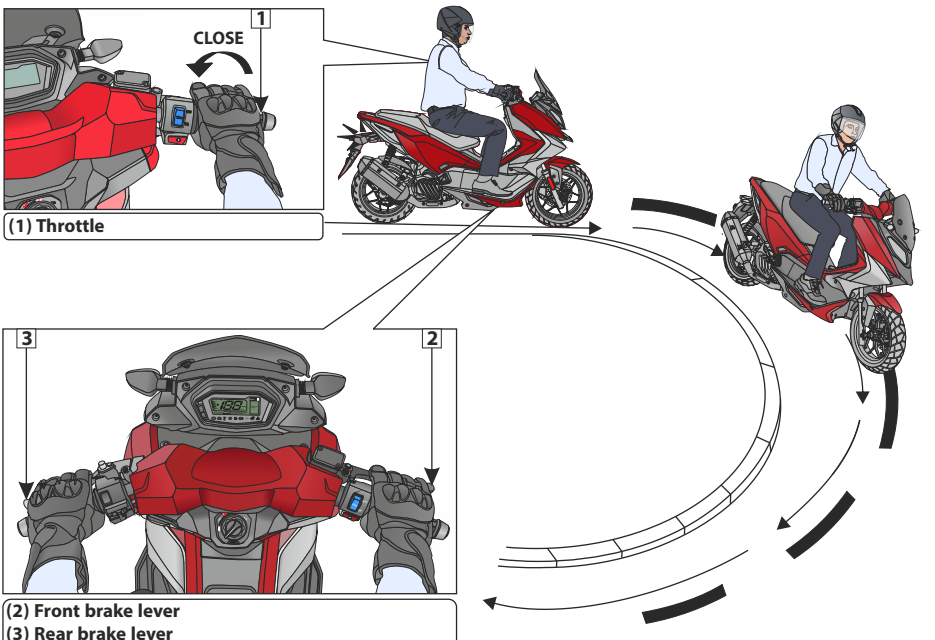


(1) Throttle



(2) Front brake lever (3) Rear brake lever

- **When approaching a corner or turn,** close the throttle (1) fully, and slow down the vehicle by applying both front brake lever (2) and rear brake lever (3) brakes at the same time.
- **After completing the turn,** open the throttle gradually to accelerate the vehicle.

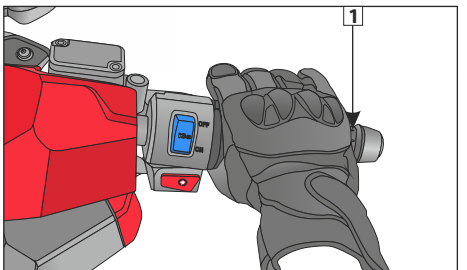


(1) Throttle

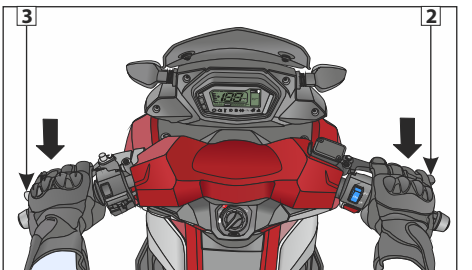
(2) Front brake lever
(3) Rear brake lever

- **When descending a steep gradient,** close throttle (1) fully and by applying both front brake lever (2) and rear brake lever (3) brakes at the same time.

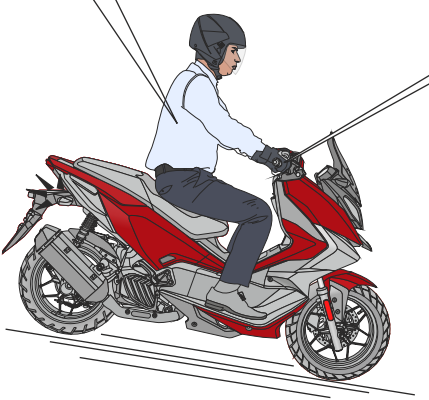
Avoid continuous use of the brakes, which may result in overheating and reduction of braking efficiency.



(1) Throttle



(2) Front brake lever
(3) Rear brake lever



- **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.

BRAKING

Anti-lock braking system (ABS)

This model is equipped with Anti-lock braking system (ABS). ABS enhances active safety by helping prevent locking up of the wheels during braking.

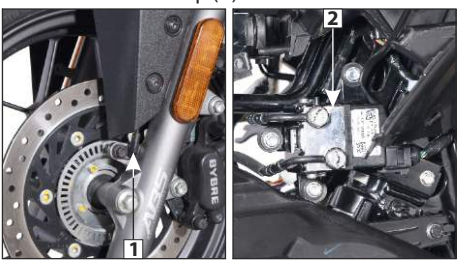
ABS is designed to meet two essential requirements during every brake application:

- To help provide vehicle stability.
- To help maintain steering control and manoeuvrability–on road surfaces.

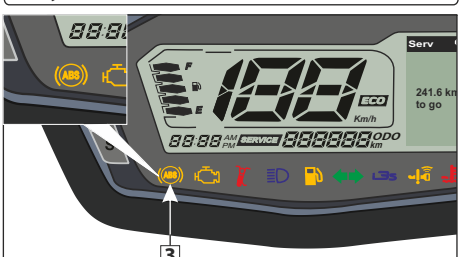
The ABS system is self-regulating and always active once vehicle speed exceeds 5 km/h.

- The ABS computer acts on the basis of the comparative speeds of the front wheel. The use of non-approved tyres can affect the speed of the wheels and supply incorrect information to the ABS computer.

The system has a wheel speed sensor (1), hydraulic electronic control unit (HECU) (2), and an ABS indicator lamp (3) on meter console.



(1) Wheel speed sensor
(2) Hydraulic electronic control unit (HECU)



(3) ABS indicator

Whenever you ride your vehicle, **Wheel speed sensor** monitors the speed of the wheel and sends the input to **Hydraulic Electronic control unit (HECU).** Then **HECU** monitors your vehicle and takes control when vehicle speed exceeds 5 km/h.

Now whenever you will apply front brake, ABS will come into picture and based on the input from wheel speed sensor, HECU will modulate the pressure at front caliper thus avoiding wheel to lock and in turn resulting safe stop of the vehicle.

Do's and Don'ts

Do's

- Check your brake pads and be sure you have clean brake fluid. ABS systems can also fail due to worn brake pads or air or dirt in brake fluid.
- Use the recommended brake fluid.
- If brake gets wet, apply the brake while riding at low speed to help them dry.
- It is recommended that ABS should be serviced at Authorised Hero MotoCorp workshop.
- Read your owner's manual for additional riding instructions.
- Carefully remove the wheel during the puncture/tyre replacement to prevent the Sensing ring damage/bend.
- Use only the recommended make, type, size of tyre and maintain specified tyre pressure **(page 7-22).**
- Keep checking speedometer. In case of ABS malfunction, speed display may go to zero.
- Always maintain sufficient distance from the objects/vehicles ahead, for proper braking and to match riding speed.
- On certain surfaces, such as rough road or gravel road, brake lever may have hard/ pulsating feel. Apply full braking on the lever even on the hard or pulsating feel of the lever to get the optimum performance.
- In case of ABS malfunction, the brake system will work as conventional (Non-ABS) brake. Rider is recommended not to apply hard brake to prevent wheel lock and visit Authorised Hero MotoCorp workshop.

Don'ts

- Don't panic by mechanical noises or slight lever pulses while applying the brake (whenever ABS actuates) in vehicle. These conditions are normal and indicate that ABS is working.
- Don't apply hard braking in wet or rainy conditions and while taking a turn.
- Do not adjust the wheel speed sensor air gap yourself.
- Do not attempt to correct the encoder teeth by bending manually or by using any other mode. Do not use a different encoder teeth
- Do not insert any metallic part near wheel speed sensor.
- Don't try to service HECU or open to separate the parts.
- Don't use the non-genuine spares like pads, discs, tyres etc.

NOTE

- ***ABS may get activated without brake application while riding on uneven road surfaces (sharp drop or rise on the road level). This is normal functioning of ABS and won't be having any impact on performance.***
- ***ABS may not work if the battery is discharged.***
- ***ABS operation is also affected by road conditions, vehicle handling and brake operation. It is the rider's responsibility to ride at reasonable speed and to leave a margin of safety.***
- ***ABS consists of an electric motor, from which sound can be heard.***

PARKING

- After stopping the vehicle, turn the vehicle power "OFF".
- Use the main stand or side stand to support the vehicle while parking.
- Lock the steering while parking for safety.

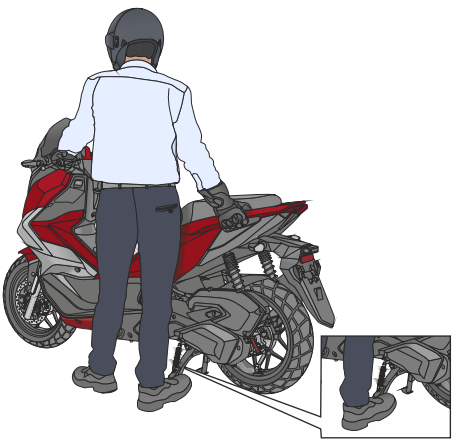
NOTE

- ***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 overturing.***

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



07

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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 Hero MotoCorp workshop for recommendations applicable to your individual needs and use.

If your vehicle overturns or is involved in a crash, be sure that you visit your Authorised Hero MotoCorp workshop for detailed inspections.

⚠ 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.

It is recommended that wheel removal should normally be handled by a Hero MotoCorp authorised workshop

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.***

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

- ***Our authorised dealership 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 muffler outlets and on 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.

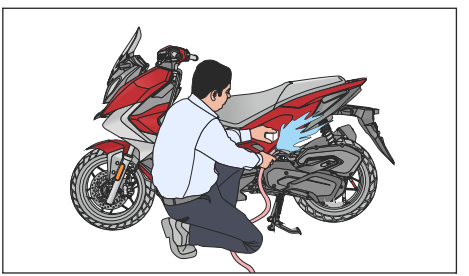
NOTE

- ***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.***
- ***While washing the vehicle, it is recommended to take necessary precautions to avoid damage to the radiator fins and water entry into muffler.***

WARNING

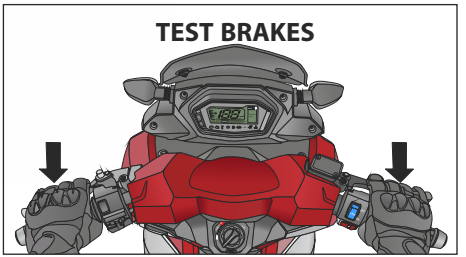
Avoid direct high pressure water spray on any electrical, electronic components and radiator.

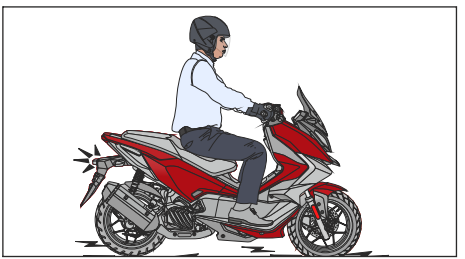
- After cleaning, rinse the vehicle thoroughly with plenty of clean water. Strong detergent residue can corrode alloy parts.
- Dry the vehicle with pressurized air, start the engine and let it run for several minutes.



- 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.

SAFETY PRECAUTIONS

- Make sure the engine is "OFF" before you begin any maintenance or repair. This will help to eliminate several potential hazards:
  - **Carbon monoxide poisoning from engine exhaust.**
    Be sure there is adequate ventilation whenever you operate the engine.
  - **Burns from hot parts.**
    Let the engine and exhaust system cool before touching.
  - **Injury from moving parts.**
    Do not run the engine unless instructed to do so.
- Read the instruction before you begin and make sure you have the tools and skills required.
- To help prevent the vehicle from falling over, park it on a firm, level surface on the main stand.
- Be sure that the rear brake is locked by lever lock 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 Hero MotoCorp workshop knows your vehicle best and is fully equipped to maintain and repair it.

To ensure best quality and reliability, it is recommended to use Hero MotoCorp genuine parts for repair and replacement.

MAINTENANCE SCHEDULE

Perform the pre-ride inspection **(page 6-1)** at each scheduled maintenance period.

I: INSPECT C: CLEAN R: REPLACE A: ADJUST (If required) 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 Hero MotoCorp workshop meets all of these requirements.

Ensure that each paid service is availed within 120 days or 4000 km from the date of previous service, whichever is earlier.

To be serviced by your Authorised Hero MotoCorp workshop 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 Hero MotoCorp workshop.

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 16000 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.
*Replace at any point of time, if pre-foam or viscous element found damaged.

Note-4 : Service more frequently if the vehicle is ridden in unusually wet or dusty areas.
Replace at any point of time, if CVT foam filter found damaged.

Note-5 : Service more frequently when riding in rain or at full throttle.

Note-6 : Replace once in every 12000 km.

Note-7 : Replace engine oil once in every 4000 km. Top up if the oil level is at or near the lower level mark.

Note-8 : Replace once in every 12000 km or once in a year, whichever is earlier.

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

Note-10 : Replace drive belt once in every 24000 km.

Note-11 : Replace the front fork oil once every 2 years or 20000 km, whichever is earlier.

Note-12 : Inspect for any play in the rear suspension mounting bushes, replace if necessary.

Note-13 : Inspect the bearings free play, replace if necessary.

Note-14 : Check CO emission at idle.

Note-15 : Inspect the canister hoses for deterioration, damage or loose connections and canister for cracks or other damages.

Note-16 : Replace the radiator coolant in every 2 year or 24000 km, whichever is earlier. Inspect and top up if required.

Note

- Always wipe the water off the vehicle after washing. Use clean soft cloth or pressurized air for completely drying the water.
- Always use new gaskets, O-rings, circlips and cotter pins once removed.

Replacement of parts (e.g filters, etc.) and consumables (e.g engine oil, etc.) during paid or free service are at customer's expenses.

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	WHICHEVER COMES FIRST	*DURING FREE SERVICE PERIOD				After Free Service Period Every 4,000 km / 120 days (whichever is earlier)			
		SERVICE	1st	2nd	3rd	4th				
		DAYS	1st 60	Next 120	Next 120	Next 120				
		KM Note-1	500-750	4000-4500	8000-8500	12000-12500	4000	8000	12000	16000
	Fuel Lines		I	I	I	I	I	I	I	I
🔧	Throttle Operation	Note-2	I, A	I, A	I, A	I, A	I, A	I, A	I, A	I, A
	i3s Switch		I	I	I	I	I	I	I	I
✂	Fuel Tank Lid Cover Operation		I, A	I, A	I, A	I, A	I, A	I, A	I, A	I, A
	Air Cleaner Element (Viscous type)	Note-3		I	I	I*	I	I	I*	R
	Air Cleaner Element (Pre foam type)	Note-3		I, C	I, C	I*	I, C	I, C	I*	R
	CVT Foam Filter Element	Note-4	C	C	C	R	C	C	R	C
	Drain/Crankcase Breather Tube	Note-5	I, C	I, C	I, C	I, C	I, C	I, C	I, C	I, C
	Spark Plug	Note-6	I, C, A	I, C, A	I, C, A	R	I, C, A	I, C, A	R	I, C, A
✂	Valve Clearance		I, A	I, A	I, A	I, A	I, A	I, A	I, A	I, A
	Engine Oil	Note-7	R	R	R	R	R	R	R	R
✂	Engine Oil Strainer Screen		C	C	C	C	C	C	C	C
	Final Drive Oil	Note-8				R			R	
🔧	Brake System		C, L	C, L	C, L	C, L	C, L	C, L	C, L	C, L
	Brake Lever Free Play		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
✂	Pad Wear/Disc		I	I	I	I	I	I	I	I
✂	Brake Fluid	Note-9	I, T	I, T	I, T	I, T	I, T	I, T	I, T	I, T

	ITEMS	WHICHEVER COMES FIRST	#DURING FREE SERVICE PERIOD				After Free Service Period Every 4,000 km / 120 days (whichever is earlier)			
		SERVICE	1st	2nd	3rd	4th				
		DAYS	1st 60	Next 120	Next 120	Next 120				
		KM Note-1	500-750	4000-4500	8000-8500	12000-12500	4000	8000	12000	16000
	Lever Lock Operation		I	I	I	I	I	I	I	I
	Battery Voltage		I	I	I	I	I	I	I	I
🔧	Stop Lamp Switch		I	I	I	I	I	I	I	I
🔧	Headlamp Focus		I	I	I	I	I	I	I	I
🛠	Belt Case/Driven Gear		C, L	C, L	C, L	C, L	C, L	C, L	C, L	C, L
🛠	Drive Belt	Note-10			I			I		I
🛠	Clutch Shoe Wear				I			I		I
🔧	Nut, Bolt & Fasteners		I	I	I	I	I	I	I	I
	Front Suspension/Oil	Note-11	I	I	I	I	I	I	I	I
🔧	Rear Suspension	Note-12	I	I	I	I	I	I	I	I
🛠	Wheel/Tyres		I	I	I	I	I	I	I	I
🛠	Wheel Bearings	Note-13	I	I	I	I	I	I	I	I
🛠	Steering Head Bearings		I, A	I, A	I, A	I, L, A	I, A	I, A	I, L, A	I, A
	Main Stand		L	L	L	L	L	L	L	L
	Side Stand		L	L	L	L	L	L	L	L
	Side Stand Switch		I, C	I, C	I, C	I, C	I, C	I, C	I, C	I, C
🛠	Muffler (Catalytic Converter)	Note-14			I, E			I, E		I, E
🔧	Evaporative Emission Control System	Note-15	I	I	I	I	I	I	I	I
	Radiator & hoses		I	I	I	I	I	I	I	I
	Radiator coolant	Note-16	Replace the radiator coolant in every 2 year or 24000 km, whichever is earlier.							
	Cooling System		I	I	I	I	I	I	I	I
	Radiator fins and Heat shield		I, C	I, C	I, C	I, C	I, C	I, C	I, C	I, C

TOOL KIT/FIRST AID KIT

The tool kit (1) is located on the bottom of the seat (3) and secured with two rubber band.

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

Kit contains one unit of each of the following tools:

- Tool bag
- +, - No. 2 driver
- Grip
- Wrench assembly spark plug
- Spanner 12-14 mm



(1) Tool kit **(2) First aid kit**
(3) Seat

The first aid kit (2) is located on the bottom of the seat and secured with rubber band. For some emergency first aid can be performed by medicine available in the kit.

Kit contains one unit of each of the following items :

- Sterilised elastic plaster
- First aid bag
- Gauze (Rolled bandage)
- Elastic bandage
- Waterproof plaster
- Sterilised dressing
- Antiseptic cream
- Hemostatic agent

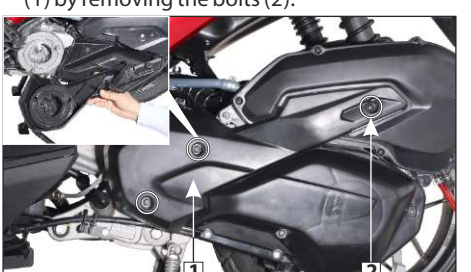
AIR CLEANER ELEMENT

Refer to the safety precautions **(page 7-3).**

The air cleaner element is of pre foam and viscous type, it should be replaced at regular intervals **(pages 7-4).** Early replacement may be required when riding in unusually wet or dusty areas.

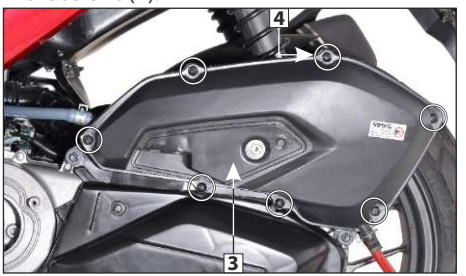
Removal

- Remove the left crankcase sub assembly cover (1) by removing the bolts (2).



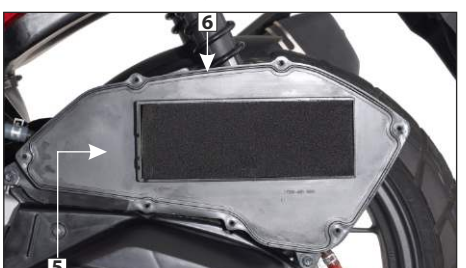
(1) Left crankcase sub assembly cover **(2) Bolts**

- Remove the air cleaner cover (3) by removing the screws (4).

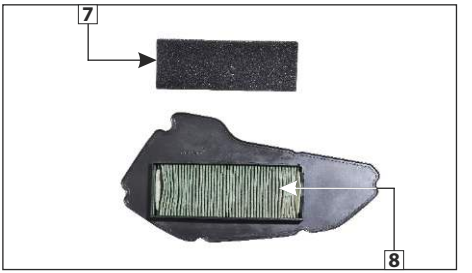


(3) Air cleaner cover (4) Air cleaner cover screws

- Remove the air cleaner element holder component (5) from air cleaner sub assembly case (6).
- Separate the pre foam element (7) from the air cleaner assembly.



(5) Air cleaner element holder component
(6) Air cleaner sub assembly case

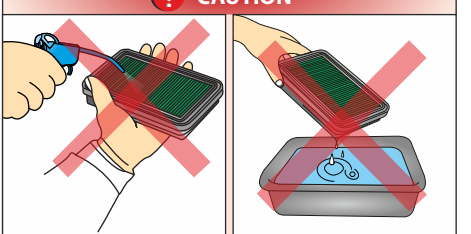


(7) Pre foam element
(8) Viscous air cleaner element

Viscous air cleaner element inspection

- Inspect the viscous air cleaner element (8) for any dust or dirt accumulation.
- Replace the element, if found choked. Refer maintenance schedule **(page 7-4)**.

! CAUTION



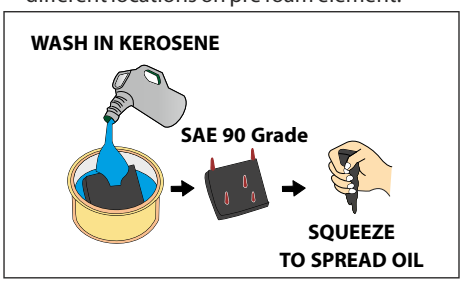
- ***Do not blow compressed air.***
- ***Do not wash using any solvent.***

Pre foam element

The pre foam element should be serviced at regular intervals **(page 7-4).** Service more frequently when riding in unusually wet or dusty areas.

Cleaning

- Wash the pre foam element in kerosene.
- Spread 5ml (4 to 5 drops) of SAE 90 grade at different locations on pre foam element.



- Squeeze it in a manner so that oil will spread on complete surface of pre foam element.

CAUTION

Do not wring the filter element with both hands.

NOTE

- ***Replace air cleaner element once in every 16000 km or early replacement may be required when riding in dusty areas.***
- ***At 12000 km inspect if air cleaner element (viscous type) is choked. If found choked, replace the air cleaner element to keep the engine healthy.***
- ***Replace pre foam element or viscous element at any point of time, if found damage.***

Installation

- Clean the air cleaner sub assembly case (6) using a shop towel.
- Install the pre foam element.
- Install the air cleaner element holder component (new, in case of replacement).
- Install the air cleaner cover.
- Install the left crankcase outer cover.

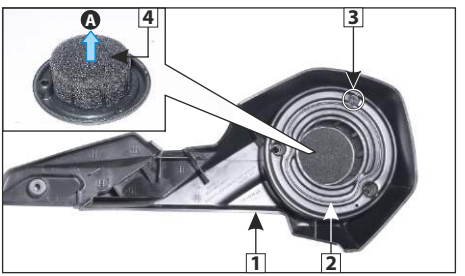
CVT FOAM FILTER ELEMENT

The CVT foam filter element is of foam type which avoid dust entry inside the crankcase.

The CVT foam filter element should be serviced at regular intervals **(page 7-4).** Service more frequently when riding in unusually wet or dusty areas.

Removal

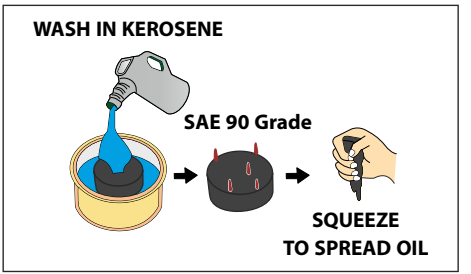
- Remove the left crankcase sub assembly cover (1) **(page 7-7).**
- Remove the CVT foam filter element holder component (2) by removing the screw (3).
- Separate the CVT foam filter element (4) from its holder by pulling it in the indicated direction (A).



(1) Left crankcase sub assembly cover
(2) CVT foam filter element holder component
(3) Screw
(4) CVT foam filter element

Cleaning

- Wash the CVT foam filter element in kerosene.
- Spread 5ml (4 to 5 drops) of SAE 90 grade at different locations on CVT foam filter element.
- Squeeze it in a manner so that oil will spread on complete surface of CVT foam filter element.



NOTE

Ensure the checking of the duct cover CVT foam filter element for excessive dirt or damage. Clean or replace it if necessary at regular intervals.

CAUTION

To prevent damaging of the CVT foam filter element.

- ***Handle it carefully and gently.***
- ***Do not twist it.***

Installation

- Clean the left crankcase sub assembly cover using a shop towel.
- Install the CVT foam filter element (new, in case of replacement).
- Install the CVT foam filter element holder component.
- Install the left crankcase sub assembly cover.

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 throttle body. If the cable is kinked, chafed or improperly routed, it should be replaced or rerouted. Standard throttle grip free play (1) is approximately 2-6 mm of grip rotation.

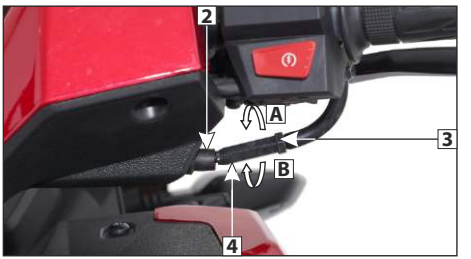


(1) Free play: 2-6 mm

Free play adjustment

At handlebar side

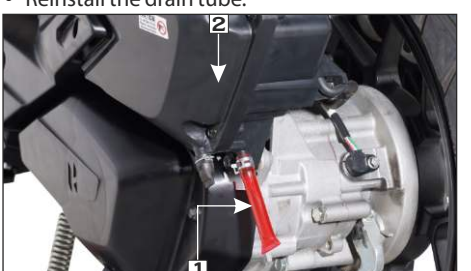
Slide the boot (2), loosen the lock nut (3) and turn the adjuster (4).



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

AIR CLEANER DRAIN TUBE CLEANING

- Refer to the safety precautions **(page 7-3).**
- 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.
(Deposits filled up to half of the tube is acceptable).

ENGINE OIL

Use hero genuine engine oil or recommended grade oil.

BRAND : Hero 4T plus

GRADE : SAE 10W 30 SL Grade

(JASO MB)

Manufactured by:

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

Oil Capacity: 0.8 litre (at draining)

0.9 litre (at disassembly)

Engine oil level check

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



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

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

- 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. Check for oil leaks.

NOTE

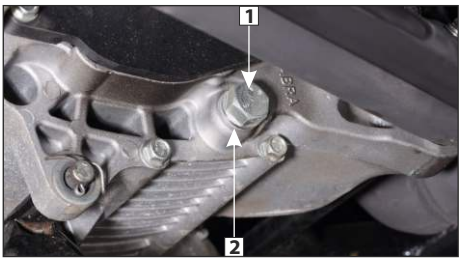
- ***Running the engine with insufficient oil may cause engine damage.***
- ***Top up if the oil level is at or near the lower level mark.***

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) and sealing washer (2).



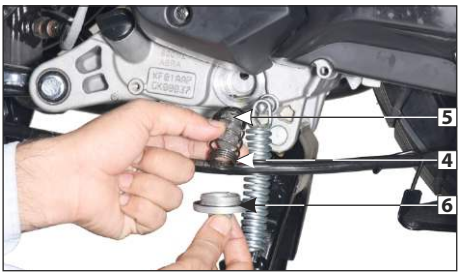
(1) Drain bolt (2) Sealing washer

- Loosen the rear brake cable.
- Remove the oil strainer screen cap (3).



(3) Oil strainer screen cap

- The spring (4) and oil strainer screen (5) 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 (6) are in good condition.



(4) Spring (5) Oil strainer screen (6) O-ring

- Install the oil strainer screen, spring and oil strainer screen cap.
- Tighten the rear brake cable.
- Install the drain bolt with new sealing washer.
- Fill crankcase with the recommended grade of oil:

  At draining: 0.8 litre

  At engine disassembly: 0.9 litre
- Install the oil level dipstick.
- 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 (page 7-4).***
- ***When running in very dusty conditions, oil changes should be performed more frequently than specified in the maintenance schedule.***

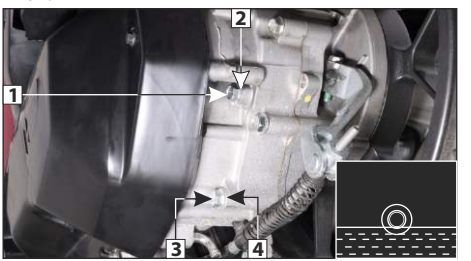
WARNING

- ***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 Hero MotoCorp workshop.

- 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) with sealing washer (2)
- Remove the drain bolt (3) with sealing washer (4), slowly turn the rear wheel and drain the oil.



(1) Check bolt	(2) Sealing washer
(3) Drain bolt	(4) Sealing washer

- 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 : 0.12 Litre

At transmission disassembly: 0.15 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.***

COOLING SYSTEM

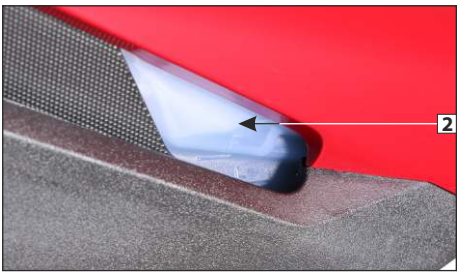
This model is equipped with liquid cooling system that uses coolant to cool the engine.

- Water pump (1) in the engine ensures the circulation of the coolant in the cooling system.
- While flowing through radiator, coolant is cooled by air stream and radiator fan.



(1) Water pump

- As the coolant temperature raises, high pressure coolant is released from radiator to overflow bottle (2) through overflow bottle hose.
- When the temperature reduces, this surplus coolant is sucked back into the radiator through the overflow bottle hose.



(2) Overflow bottle

CAUTION

- ***Ensure that adequate care is taken while removing the engine radiator hose to avoid any damage or leakage.***
- ***No hard objects to be used for cleaning the engine radiator, otherwise the fins will get damaged.***
- ***High pressure washing of the radiator is not recommended as it may damage the fins, any physical contact with fins is to be avoided.***
- ***During vehicle operation, coolant gets very hot and is under high pressure. Allow the engine and cooling system to cool down. Do not open any cooling system components as high pressure coolant can come out and cause injuries.***
- ***Upon scalding, rinse it immediately with lukewarm water.***
- ***Avoid keeping any cloth or flammable object in between hot parts (muffler, radiator, engine).***

COOLANT

Use recommended genuine Hero pre-mix coolant.

Coolant : 50:50 ratio Hero pre-mix.

Manufactured by:

Savita Oil Technologies Limited

Indian Oil Corporation Limited

Coolant capacity

Total coolant capacity : 660 ml

Coolant capacity in :

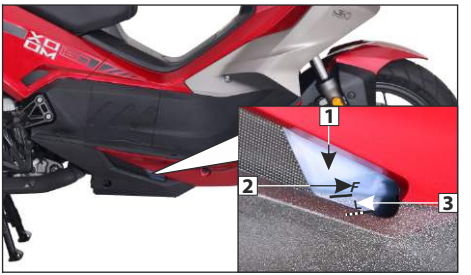
a) Radiator & engine : 440 ml

b) Overflow tank : 220 ml

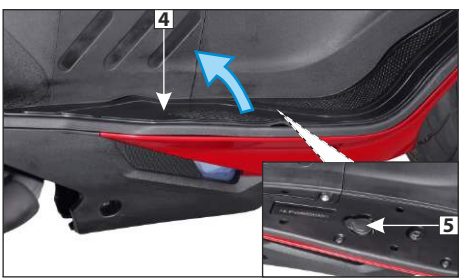
Rider should check the coolant level in the overflow bottle (1) before every ride. The coolant level must be between "F" (2) and "L" (3) level mark.

Coolant Top-up

- Place the vehicle on the main stand.
- Ensure coolant level in the overflow bottle is between "L" (low level) and "F" (full level) mark.
- If the coolant is at or below the "L" mark, remove the right floorboard mat (4) by pulling it up.
- Remove the overflow bottle cap (5) and add coolant up to the "F" (full level) mark and then install the cap.



(1) Overflow bottle (2) Full level mark "F"
(3) Low level mark "L"



(4) Right floorboard mat (5) Overflow bottle cap

- Place the right floorboard mat in the original position and push it downward to secure it.

NOTE

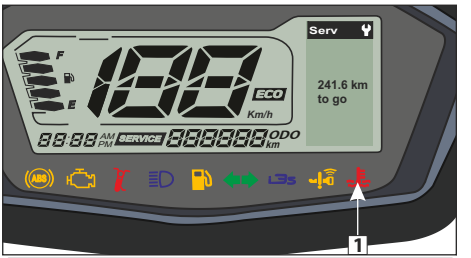
- *Make sure the cooling system is filled with a genuine Hero pre-mix coolant.*
- *Coolant must be changed at regular intervals specified in the periodic maintenance (page 7-4).*
- *Check the coolant level when the engine is cold since the coolant level varies with engine temperature.*
- *While checking the coolant level, make sure the vehicle is straight. If the vehicle tilts to the side, it might give a false reading.*

WARNING

- *Coolant is poisonous so, keep coolant out of reach of children.*
- *Avoid contact between coolant and skin, eyes or clothing. Clean the contaminated areas on the skin with soap and water immediately.*
- *If coolant is swallowed, contact a doctor as soon as possible.*
- *Always wear rubber hand gloves while draining or topping up coolant.*
- *If coolant gets into eyes, rinse immediately with water and consult a doctor.*
- *Ensure coolant top-up is done through overflow tank only. Do not top-up through radiator.*
- *Never try to open the radiator cap when the engine is hot.*

Engine coolant temperature indicator

Coolant temperature indicator (1) indicates the coolant temperature.



(1) Engine coolant temperature indicator

Engine coolant temperature indicator glows when engine overheats during riding.

NOTE

When engine temperature is 115°C or more, then engine coolant temperature indicator light will turn "ON" and will be turned "OFF" when it cools down to 112°C or below.

WARNING

Riding the vehicle with very high engine coolant temperature may cause serious damage to engine components :

- ***Once coolant temperature indicator glows, it is recommended to stop the vehicle and wait for some time until the engine cools down and then restart the vehicle again.***

If the coolant temperature indicator is still "ON", then stop the vehicle and immediately contact an Authorized Hero MotoCorp ***workshop.***

SPARK PLUG

Refer to the safety precautions **(page 7-3).**

Recommended spark plug.

Bosch

- Remove the right floorboard mat (1) by pulling it up.



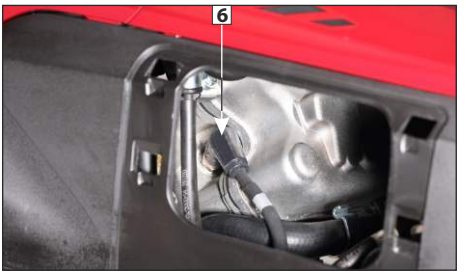
(1) Floorboard mat

- Remove the right utility cover (2) by removing the screws (3) and dislodge four tabs (4) from the slots (5).



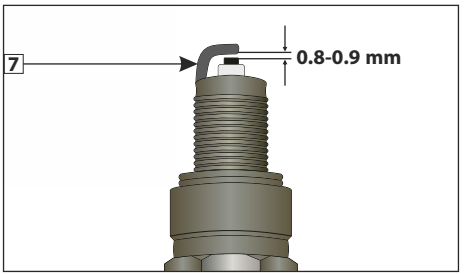
(2) Right utility cover **(3) Screws**
(4) Tab **(5) Slot**

- Disconnect the noise suppressor cap (6) from the spark plug.
- Clean any dirt around the spark plug base.



(6) 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 (7) carefully.



(7) 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.***

BRAKES

Brakes are items of personal safety and should always be maintained with proper adjustments. Your vehicle front wheel is equipped with **Anti-lock braking system** **(page 6-10)****.**

WARNING

- ***Independent use of only the front or rear brake increases stopping distance.***
- ***Extreme braking may cause wheel locking and reduce control over the vehicle.***
- ***Wherever possible, reduce speed or apply brake before entering a turn, closing the throttle or braking in mid turn may cause wheel slip. Wheel slip will reduce control over the vehicle.***
- ***When riding in wet or rainy conditions, or on loose surfaces the ability to stop the vehicle reduces.***
- ***All your actions should be smooth under these conditions. Sudden acceleration, braking or turning may cause loss of control. For your safety, exercise extreme caution when braking, accelerating or turning.***

(a) Front brake

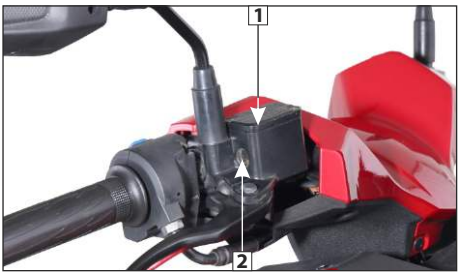
Front brake fluid

Master cylinder/Reservoir (1)

Location: Right handlebar

NOTE

Avoid application of brake fluid (DoT3 and DoT4) on the hot foiling area of the upper case.



(1) Master cylinder (2) "MIN" mark

Brake fluid recommended: DoT 3 or DoT 4

Fluid level: Ensure that the brake fluid level does not fall below "MIN" mark (2) on the master cylinder, when checked with the master cylinder parallel to the ground.

The level decreases gradually due to piston movement to compensate pad wear. If the level decreases abruptly, check for leakage in the brake system and contact your Authorised Hero MotoCorp workshop.



(3) Front brake caliper (4) Brake pad
(5) Disc

NOTE

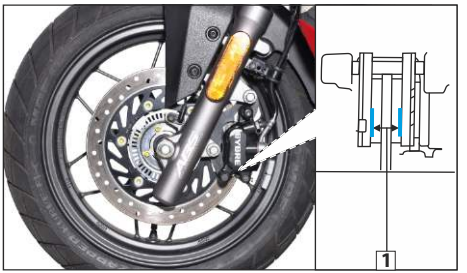
- ***Always contact your Authorised*** Hero MotoCorp ***workshop for refilling of master cylinder when necessary. Do not mix DoT 3 and DoT 4 brake fluid.***
- ***Clean the dirt and mud accumulation between the front brake caliper*** **(3)**, ***brake pads*** **(4)** ***and the disc*** **(5)** ***using a water jet.***
- ***Always use recommended tyres*** ***(page 7-22)*** ***for better braking performance.***

(b) Front brake pad wear

Brake pad wear depends upon the severity of usage, the type of riding & road conditions. Generally, the pads will wear faster on wet & dirty roads. Inspect the pads at each regular maintenance interval.

Inspection

- Check the wear indicator grooves (1) on each pad.
- Check the brake pads for wear by examining the wear limit grooves on each pad.
- Replace the pads if worn out to the bottom of the groove.
- Always replace both the pads as a set.
- Visit your Authorised Hero MotoCorp workshop for the brake pad replacement.



(1) Wear indicator groove

(c) Rear brake

The distance, the rear brake lever (1) moves before brake starts to engage is called free play (2). Measured at the tip of brake lever, free play should be maintained at 14-22 mm.



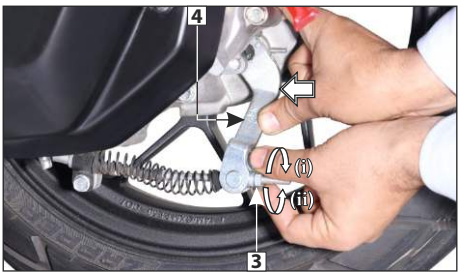
(1) Rear brake lever (2) Free play:14-22 mm

Adjustment

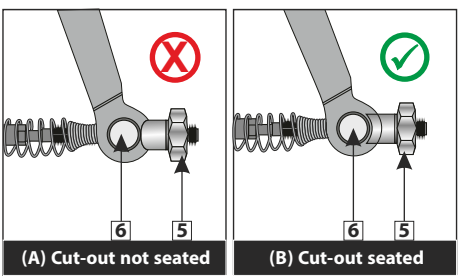
- Make free play adjustment by turning the adjuster nut (3) in the brake arm (4).
- Check the free play of rear brake lever.

FREE PLAY: 14-22 mm

- If the free play is more than 22 mm further turn the adjuster nut to obtain desired free play.
- Make sure the cut-out on the adjusting nut (5) is seated on the brake joint pin (6) after making final free play adjustment.



(3) Adjuster nut (4) Brake arm
(i) Decrease free play (ii) Increase free play



(A) Cut-out not seated (B) Cut-out seated

(5) Adjusting nut (6) Brake joint pin

- If proper adjustment cannot be obtained by this method, visit your Authorised Hero MotoCorp workshop.

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

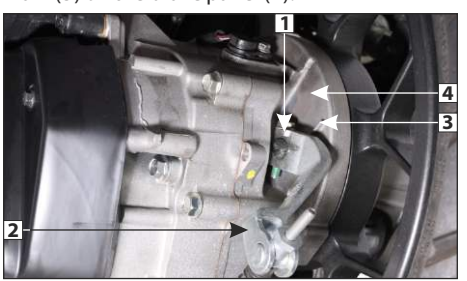
Apply the brake several times and check for free wheel rotation after the brake lever is released.

(d) Rear brake shoe wear

Refer to the safety precautions **(page 7-3).**

The rear brake is equipped with brake wear indicator.

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).



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

If the arrow aligns with the reference mark on full application of the brake, the brake shoes must be replaced. Visit your Authorised Hero MotoCorp workshop for this service.

TYRES (TUBELESS)

The tyres fitted on your vehicle are of TUBELESS type.

To safely operate your vehicle, the 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 the tyres for damage and what to do when 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 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 tyres before every ride and use an air pressure gauge (1) to measure air pressure at least once a month or any time you think the tyre pressure is low.



(1) Air pressure gauge

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 kilometers, 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:

	Rider only	Rider and Pillion
Front	1.50 kgf/cm^2 (22 psi)	1.50 kgf/cm^2 (22 psi)
Rear	2.00 kgf/cm^2 (29 psi)	2.00 kgf/cm^2 (29 psi)

! CAUTION

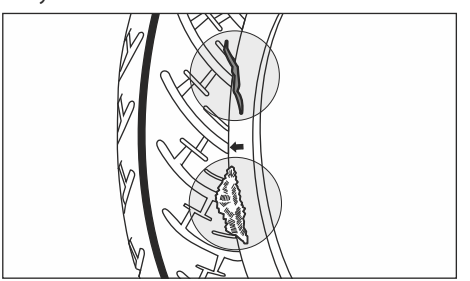
Over inflation/Under inflation will affect the performance.

Inspection

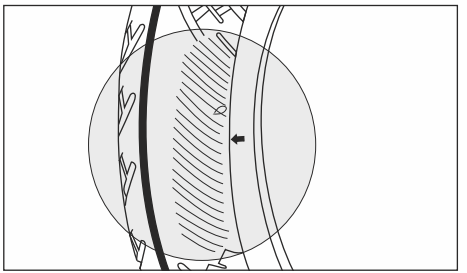
Whenever you check the tyre pressure, you should also examine tyre treads & side walls for wear, damage & foreign objects.

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.

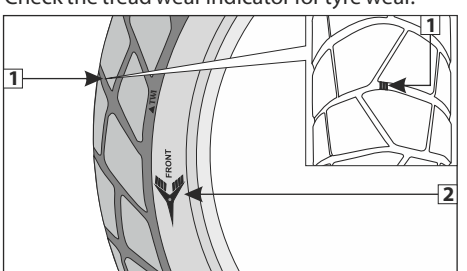
Tread wear

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

Minimum tread depth:

Front: 0.8 mm **Rear:** 0.8 mm

Check the tread wear indicator for tyre wear.



(1) Tyre 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

Repairing a puncture or removing a wheel requires special tools and technical expertise. If a tyre is punctured or damaged, it is advised to visit nearest tyre manufacture, Hero MotoCorp authorised dealer/workshop or the tyre repair shop who has expertise in repairing methods of tubeless tyre.

A tyre that is repaired either temporarily or permanently, will have lower speed and performance limits than a new tyre. After an emergency repair, always have the tyre inspected/replaced at our authorised dealer and replace the tyre if suggested.

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.

If you decide to have a tyre replace be sure the wheel is balanced before you ride.

WARNING

- ***Operation with excessively worn tyres is hazardous and will adversely affect traction and handling.***
- ***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.

NOTE

The imported tyre(s) if fitted without ISI mark; are in compliance of BIS standard and Central Motor Vehicle Rules 1989, as declared by the Tyre manufacturer.

The recommended tyre for your vehicle are:

Front : 120/70 14 M/C 55P (Tubeless)

Rear : 140/60 14 M/C 64P (Tubeless)

NOTE

For repair and replacement of tyre it is advised to visit your Authorised Hero MotoCorp ***workshop.***

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.

BATTERY

Battery is located under the seat, inside the battery cover.

Specification

***MF Battery 12V-6Ah/ETZ 7**

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 Hero MotoCorp workshop.

***MF stands for Maintenance Free**

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 Hero MotoCorp ***workshop 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.***

Battery charging

Always visit your Authorised Hero MotoCorp workshop 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 then two months, ensure to fully charge the battery once a month.
- Always ensure the battery is fully charged before installation.
- Ensure the battery leads are properly connected to the battery terminals during installation.

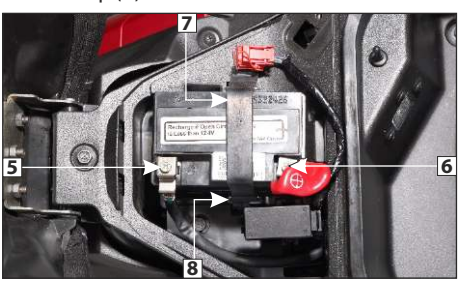
Battery removal

- Make sure the ignition switch is "OFF" ( ).
- Open the seat lock **(page 5-26).**
- Remove the battery cover screws (1).
- Remove the battery cover (2) by dislodging 2 tabs (3) from the slots (4).



(1) Battery cover screws **(2) Battery cover**
(3) Tab **(4) Slot**

- Disconnect the (-)ve terminal lead (5) from the battery first, then disconnect the (+)ve terminal lead (6).
- Dislodge the battery band (7) from the boot band clip (8).



(5) (-)ve terminal **(6) (+)ve terminal**
(7) Battery band **(8) Battery band clip**

- Remove the battery (9).



(9) Battery

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.

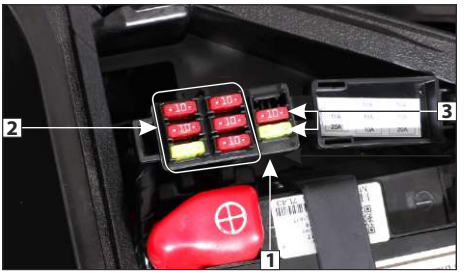
FUSE REPLACEMENT

The fuse holder (1) placed adjacent to the battery which consist of main fuses and spare fuses.

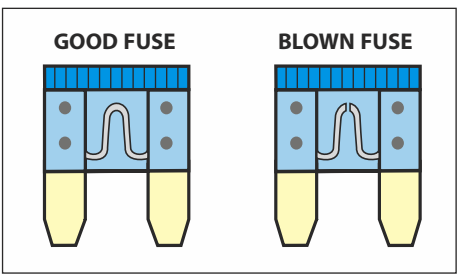
Fuse type: Blade fuse

Main fuses (2) : 20A, 10A x 5

Spare fuses (3) : 20A and 10A



(1) Fuse holder
(2) Main fuse : 20 A and 10A x 5
(3) Spare fuse: 20A and 10A



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.

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*** Hero MotoCorp ***workshop.***

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.



BULB REPLACEMENT

Refer to the safety precautions **(page 7-3).**

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.

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 that specified.
- After installing a new bulb, check that the lamp operates properly.

(a) Front turn signal bulb

- Remove the screw (1) and remove the turn signal lamp lens (2).



(1) Screw (2) Turn signal lamp lens

- Remove the turn signal bulb holder (3) by removing the screws (4).



(3) Turn signal bulb holder (4) Screws

- Remove the front turn signal bulb (5) by turning it counterclockwise direction while pressing it in.



(5) Front turn signal bulb

- Replace the rubber gasket with a new one if necessary.
- Install a new bulb in the reverse order of removal.

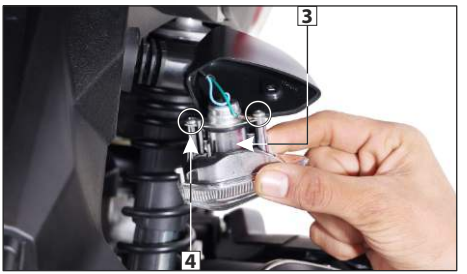
(b) Rear turn signal bulb

- Remove the screw (1) and remove the turn signal lamp lens (2).



(1) Screw (2) Turn signal lamp lens

- Remove the turn signal bulb holder (3) by removing the screws (4).



(3) Turn signal bulb holder **(4) Screws**

- Remove the rear turn signal bulb (5) by turning it counterclockwise direction while pressing it in.

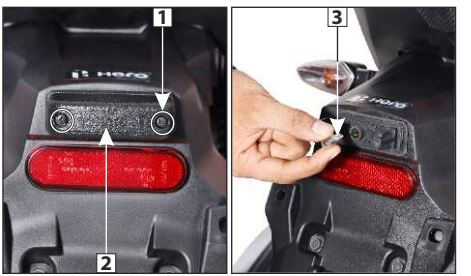


(5) Rear turn signal bulb

- Replace the rubber gasket with a new one if necessary.
- Install a new bulb in the reverse order of removal.

(c) Licence plate lamp bulb

- Remove the screws (1) and the licence plate lamp cover (2).
- Remove the licence plate lamp bulb (3).



(1) Screws **(2) Licence plate lamp cover**
(3) Licence plate lamp bulb

- Install a new bulb in the reverse order of removal.

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 its main stand on a level surface in front of a wall.
- Turn the ignition switch to "ON" (⚷) position and start the engine.
- Adjust the headlamp beam vertically by loosening the screw (1) and move the headlamp up (A) or down (B) for correct focus.



(1) Screw (A) Up (B) Down

WARNING

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

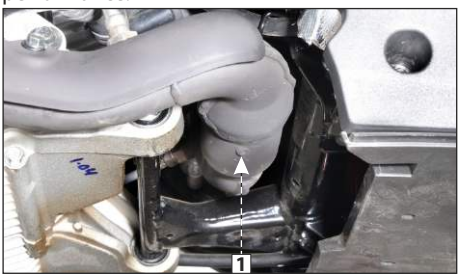
CATALYTIC CONVERTER

This vehicle is equipped with the catalytic converters (1) in the muffler to meet the emission norms.

The catalytic converters contains precious metals that serve as catalysts, promoting chemical reactions to convert the exhaust gases without affecting the metals. The catalytic converters acts on HC, CO and NOx.

The catalytic converters must operate at a high temperature for the chemical reactions to take place. It can set on fire any combustible material that comes near it. Park your vehicle away from high grasses, dry leaves, or other flammable material.

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



(1) Catalytic converter

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

- Always use unleaded petrol. Even a small amount of leaded petrol can contaminate the catalyst metals, making the catalytic converters ineffective.
- Keep the engine in good running condition. A poorly running engine can cause the catalytic converters to overheat.
- If your engine is misfiring, backfiring, stalling, or otherwise not running properly, stop riding and turn "OFF" the engine. Have your vehicle serviced as soon as possible.

EVAPORATIVE EMISSION CONTROL SYSTEM

This vehicle is equipped with an evaporative emission control system to meet emission standards. During warm weather, the petrol vapours which contain HC evaporates easily into the atmosphere from the fuel tank, if the fuel system is unsealed or open. The evaporative emission control system is used to prevent petrol vapours from escaping into the atmosphere from fuel tank.

The canister (1) collects the fuel vapour from the fuel tank, which gets drawn into the engine for combustion. This prevents pollution that would otherwise have been caused by diffusion of fuel vapour directly into the atmosphere.



(1) Canister

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 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 7-2).** 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.

> **⚠ 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) Pour a tablespoon (15-20 ml) of clean engine oil into the cylinder, and cover the spark plug hole with a piece of cloth.
  (d) Crank the engine several times to distribute the oil.
  (e) Reinstall the spark plug and noise suppressor cap.
- Remove the battery. Store in an area protected from freezing temperatures and direct sunlight. Charge the battery once a month.
- Wash and dry the vehicle. Wax all painted surfaces. Coat chrome plated parts with rust inhibiting oil.
- Inflate the tyres to their recommended pressures. Park the vehicle on blocks to raise both tyres off the ground.
- 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 6-1)**. Test ride the vehicle at low speeds in a safe riding area away from traffic.

Basic Troubleshooting

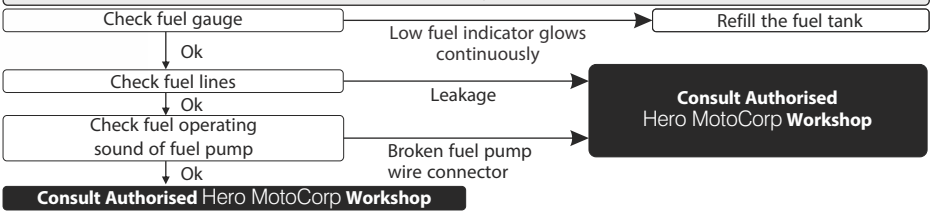
08

Basic troubleshooting.....8-1

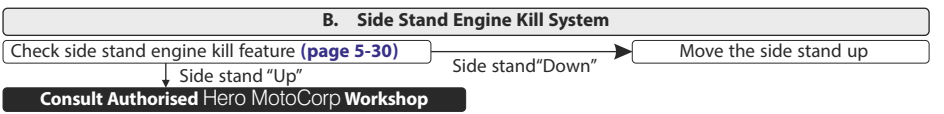
BASIC TROUBLESHOOTING

1. STARTING TROUBLE - ENGINE DOES NOT START

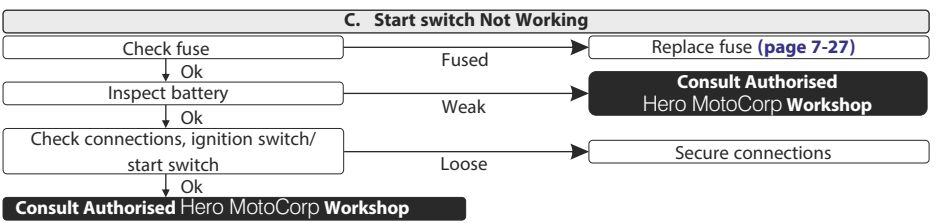
A. Fuel System



B. Side Stand Engine Kill System



C. Start switch Not Working



BASIC TROUBLESHOOTING

D. No Spark At Spark Plug

- Check ignition switch → "OFF" → Turn ignition switch "ON"
- Ok
- Check spark plug for fouling/ Improper electrode gap → No spark → Replace spark plug/adjust Spark plug gap (0.8-0.9 mm)
- Ok
- Check for poorly connected Or loose spark plug wire → Loose contact → Secure properly
- Ok
- **Consult Authorised** Hero MotoCorp **Workshop**

2. ENGINE STARTS BUT STALLS

- Check fuel lines → Leakage/Air lock
- Ok
- Check pre foam element → Dirty/Clogged
- Ok
- Check viscous element → Dirty/Clogged
- Ok
- **Consult Authorised** Hero MotoCorp **Workshop**

Consult Authorised Hero MotoCorp Workshop

3. POOR PICK UP

- Spark plug loose in cylinder head → Loose → Tighten the spark plug
- Ok
- Check pre foam element → Dirty/Clogged
- Ok
- Check air cleaner element → Dirty/Clogged
- Ok
- Check brake binding → Improper Adjustment → Readjust free play of rear brake lever
- Ok
- Check tyre inflation pressure → Under inflated → Correct tyre pressure
- Ok
- Consult Authorised Hero MotoCorp Workshop

Consult Authorised Hero MotoCorp Workshop

BASIC TROUBLESHOOTING

4. ELECTRICAL SYSTEM

Feeble horn sound or no light

- Check fuse → Ok → Inspect battery → Ok → Check bulbs → Ok → Check connections → Ok → **Consult Authorised** Hero MotoCorp **Workshop**
- Check fuse → Fused → Replace fuse
- Inspect battery → Weak → **Consult Authorised** Hero MotoCorp **Workshop**
- Check bulbs → Fused/wrong wattage → Replace bulbs
- Check connections → Loose → Secure connections

5. i3s SYSTEM

- Check i3s switch → Ok → Inspect fuse → Ok → Inspect battery → Ok → **Consult Authorised** Hero MotoCorp **Workshop**
- Check i3s switch → "ON"/"OFF" position → Turn i3s switch "ON"
- Inspect fuse → Fused → Replace fuse
- Inspect battery → Weak/i3s indicator blinking → **Consult Authorised** Hero MotoCorp **Workshop**

5. COOLING SYSTEM - ENGINE OVERHEATS

- Check coolant level → OK → Check hose connections for leakages → OK → Check radiator fins → OK → Check foam formation in cooling system → OK → Check radiator fan system → OK → **Consult Authorised** Hero MotoCorp **Workshop**
- Check coolant level → Less → Top up coolant
- Check hose connections for leakages → Leakage → **Consult Authorised** Hero MotoCorp **Workshop**
- Check radiator fins → Dirty → Clean radiator fins. Do not use high pressure jet to clean the radiator.
- Check foam formation in cooling system → Improper functioning → **Consult Authorised** Hero MotoCorp **Workshop**
- Check radiator fan system → Improper functioning → **Consult Authorised** Hero MotoCorp **Workshop**

09

Road signs.....9-1

ROAD SIGNS

Mandatory signs: These road signs inform drivers/riders of the traffic rules that apply on a certain stretch of road, thereby instructing them on how to drive/ride. Mandatory signs are distinguished by the bright red circle with black and blue markings. It is imperative that all riders follow these signs as they help avoid accidents. Their violation can be penalised under the Motor Vehicle Act.

Mandatory


Stop


Give Way


One Way


No Horn


No Bicycles


No Automobiles


No Hand Cart


No Pedestrians


No Right Turn


No 'U' Turn


Overtaking Prohibited



Speed Limit


No Stopping or Standing


No Parking



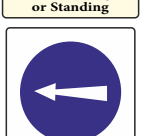
Length Limit



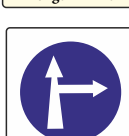
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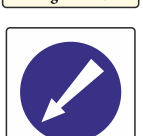

Restriction Ends


Compulsory-Ahead Only


Compulsory-Turn Left


Compulsory-Right Ahead


Compulsory-Ahead or Turn Right


Compulsory-Keep Left


Compulsory-Bicycle Track


Compulsory-Sound Horn

ROAD SIGNS



Cautionary signs: These signs inform the driver/rider of the road conditions ahead. Cautionary signs therefore serve as a warning. They are usually in a red triangle with black pictures on a white background. Illustrations, diagrams and symbols are used to forewarn about dangers ahead. Cautionary road signs are as important as mandatory signs. However, the violation of cautionary signs does not attract penalty.

Cautionary


Right Hand Curve


Right Reverse Bend



Incline Ahead


Narrow Road Ahead


Narrow Bridge


Pedestrian Crossing


School Ahead


Gap in Medium


Cross Road


Men at Work


Roundabout


Hump Road

ROAD SIGNS



Informatory signs: These are facility signs that provide important information about road directions are maps of specific destinations. On highways, they provide information about the location of public telephones, restaurants, hospitals, parking, petrol pumps, resting-places and more. These signs are usually rectangular, with black or white pictures on a blue background.

Informatory




Hospital


First Aid Post


Petrol Pump

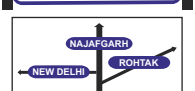

Eating Place


Resting Place


Public Telephone



Place Identification Place



Destination Sign


Light Refreshment


Taxi Stand


Parking Both Sides


Parking This Side


No Through Road


No Through Side Road



Re-assure Sign

Signs and Signals are language of the road. Learn them, respect them.

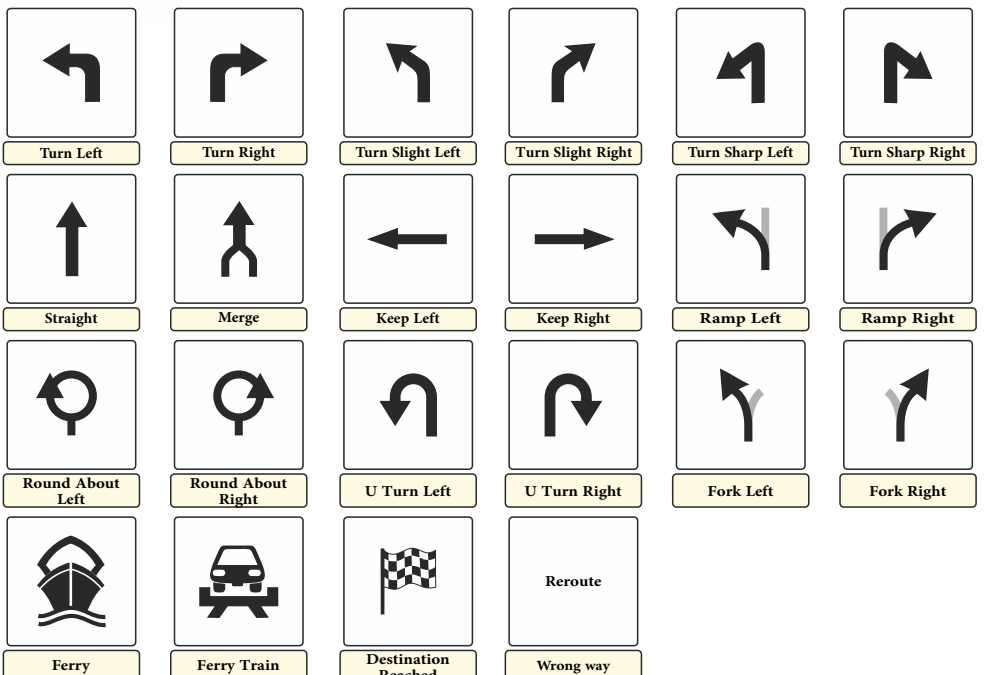
Navigation Signs

10

Navigation signs.....10-1

NAVIGATION SIGNS

Navigation signs: Hero navigation app. and meter console of your vehicle will display step by step navigation guidance/direction through below navigation signs when your vehicle is in navigation mode with your smartphone.



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Warranty.....11-1

Hero MotoCorp Ltd.

WARRANTY

Scope of warranty

Hero MotoCorp Ltd. (hereinafter called 'Hero MotoCorp') warrants its **XOOM 160** vehicles, assembled/manufactured in its Plants and sold through its channel partners, to be free from any defect - both in material and workmanship, under normal use and conditions, subject to the following terms & conditions.

Terms & conditions

a) **XOOM 160** vehicle is warranted for a period of **5 years or 50000 Km,** whichever is earlier, from the date of purchase, emission warranty is separately covered under the head of "Emission Warranty".

b) It is advised that the purchaser avails all free and paid services from the Hero MotoCorp's authorized workshop as per the recommended schedule, to be eligible for warranty benefits. Each paid service should be availed within 120 days from the date of previous service or as per the recommended schedule, whichever is earlier.

c) If any problem is observed in **XOOM 160** vehicle, Hero MotoCorp's only obligation/ liability is to repair or replace that part/those parts which is/are considered to be the cause of such problem, provided however that such problem has not resulted due to misuse/improper handling etc. of the vehicle. Any **XOOM 160** vehicle needing repair should be brought to Hero MotoCorp's authorized workshop for necessary inspection and carrying out rectification job.

Hero MotoCorp Ltd.

LIMITATIONS OF WARRANTY

The warranty shall not apply—

(1) If all free services/paid services/oil top-ups are not availed as per the recommended schedule at Hero MotoCorp's workshop.

(2) If any other engine oil which is non compatible with the product is used other than SAE 10W30 SL Grade (JASO MB).

(3) To normal wear & tear and ageing of components including (but not limited to) brake shoes/pads, clutch shoes, drive belt, bulbs, electrical wiring, filter, spark plug, fasteners, shims, washers, oil seals, gaskets, rubber parts, bush, rubber bellows, plastic parts breakage, wheel rim for misalignment/bend, steering ball race & cone, control cables such as brake cable, fuses (all types), steering handle for bend and sticker peel off.

(4) If additional wheel(s) is/are fitted and/or any other modification carried out/unauthorized accessories fitted which shall be responsible for malfunction/deterioration of the vehicle or modifications/ alterations are made to the vehicle which are not permissible under applicable laws, or modifications, alterations, tampering or improper repair are undertaken at unauthorized workshops.

(5) If any modifications/alterations/repairs are made to the vehicle which are (a) not as per applicable laws, and/or (b) are undertaken at unauthorized workshops.

(6) If there has been any tampering or improper repair undertaken.

(7) If **XOOM 160** vehicle has been used in any competitive events like races or rallies or for any commercial purposes or if any damage results from misuse or use beyond the limitation of the intended purpose or any damage due to use under abnormal conditions.

(8) To any damage on vehicle's painted surface cropping up due to industrial pollution or other external factors.

(9) For normal phenomena like noise, vibration, oil seepage etc., which do not affect the performance, quality and/or function, of the vehicle.

(10) To any damage caused due to usage of improper oil/grease and/or non-genuine parts.

(11) If any defect crops or repairs needed as a result of using adulterated fuel.

(12) If any maintenance/repairs required due to bad road conditions or misuse of **XOOM 160** vehicle or required due to operation or use of the vehicle at any place or for such purpose for which the vehicle is not designed or manufactured.

(13) If any defect crops or repairs needed as a result of **XOOM 160** vehicle meeting with some accident.

(14) For consumables like oil, grease, gasket etc to be used during free services and/or warranty repairs.

(15) If any damage results from repair, adjustment or maintenance operations by any method other than the methods specified by Hero MotoCorp.

(16) If any damage results from operation, whether intentional or accidental, other than as specified in the Owner's Manual.

(17) To electrical components such as bulbs, fuses, electrical wiring cut due to external reasons (Rat bites etc.).

Hero XOOM 160

Hero MotoCorp Ltd.

(18) Any cost for periodic maintenance such as cleaning, inspection and adjustment.
(19) To any part of the **XOOM 160** vehicle which has been tampered or repaired in such a manner which has resulted in malfunction of the vehicle.
(20) For **XOOM 160** vehicle not used in accordance with the guidelines given in this Owner's Manual.
(21) To proprietary items like tyres, tubes, batteries, etc, as they are subjected to the warranty terms & conditions of the respective manufacturers and directly handled by them only.
(22) Any defect(s) developing on account of external factors such as environmental factors; including but not limited to fading/peeling/rusting of paint and/or stripes and/or plated parts, seat leather tearing & cracking, aluminum parts oxidation and cracking & discoloring of control switches etc. or any damage resulting from soot and smoke, use of chemical, bird droppings or damage by sea water, sea breeze or salt.
(23) If any damage results from operation, whether intentional or accidental, other than as specified in the Owner's Manual.
(24) If the odometer of **XOOM 160** has been altered or tampered.
(25) If the Vehicle's Identification Number (VIN) or Engine number has been altered or removed, or any circumstances exist that makes it difficult or impossible to establish the true history, origin and warranty coverage of the vehicle or part in question.
(26) If any damage is caused due to a force majeure event, such as flood, fire, terrorist act, etc.

Hero MotoCorp shall not be liable for (a) any incidental, indirect or consequential damages/loss of any kind whatsoever, and (b) any delay in servicing beyond its control or the control of its authorised dealerships/workshops.

This warranty is only given by Hero MotoCorp and no employee, dealership, workshop or any other person is authorised to extend the warranty provided herein. Hero MotoCorp's obligation under this warranty shall be limited to repairing or replacing, free of cost, those parts of the vehicle which upon examination by the Hero MotoCorp may prove to the satisfaction of Hero MotoCorp to have a manufacturing defect.

Hero MotoCorp's **obligation under this warranty shall be limited to repairing or replacing, free of cost, those parts of the vehicle which upon examination by** Hero MotoCorp **may prove to the satisfaction of** Hero MotoCorp **to have a manufacturing defect. Decision regarding warranty settlement shall be taken by** Hero MotoCorp **and the same shall be final and binding on all concerns.**

Subject to DELHI JURISDICTION only.

Hero MotoCorp Ltd.

BATTERY WARRANTY

Battery fitted in **XOOM 160** is a proprietary product of the battery manufacturer and shall be fulfilled and handled directly by the battery manufacturer; Hero MotoCorp shall not be liable for the same. The battery warranty shall be for the period and governed by the terms and conditions as mentioned herein below:

Warranty Period:

The battery is warranted by the battery manufacturer for a period of 18 months from date of sale of vehicle or 20000 km whichever is earlier.

Terms and conditions of warranty

1. Batteries are warranted against all defects in material and workmanship. Liability under this warranty is limited to making good of defects rising solely from the use of faulty material or workmanship during manufacturing and developing under proper use.
   The warranty commences from the date of delivery to the original purchaser of the vehicle.
2. In the event of any complaint the battery is to be returned complete with electrolyte to nearest battery service station or to the dealer. On inspection, battery will be returned or replaced.
3. This warranty card accompanies a battery sold as OEM fitment only. Claims should be supported with vehicle purchase invoice to enable processing.
4. The right to determine whether a battery needs repair or total replacement lies with the battery manufacturer. In case where the battery is replaced, the defective battery becomes the property of the company and no scrap rebate will be given for it. The warranty period on the battery being repaired/replaced shall commence from the date of sale of the original battery as stated in the original warranty card.
5. All liabilities under this warranty will cease if the battery is used on the vehicle other than that on which the battery was originally fitted and on the expiry of the warranty period as mentioned above.
6. Recharging is not covered under the purview of this warranty and shall be billed as extra. However, free of cost (FOC) battery replacement/ repair includes cost of charging.
7. This warranty does not cover damage to the battery caused by faulty electrical systems, incorrect charging and filling, improper handling of the battery by unauthorized dealers/auto electricians, maintenance, willful abuse, destruction by fire, collusion, theft or recharging.
8. Breakage of container and cover do not come under the purview of this warranty.
9. Adjudication and settlement of claim will take a couple of days as a battery has to be tested for the reported failure.
10. In case of tampering of the original wiring circuit in any manner whatsoever.
11. If a battery which is not recommended is fitted on the vehicle then such battery will not carry any warranty.
12. The applicable taxes which are leviable on the battery under repair or replacement will be borne by you (the customer).
13. You (the customer) are deemed to have read, understood and agreed to these conditions at the time of purchase of the vehicle.

Hero MotoCorp Ltd.

EMISSION WARRANTY

Scope of warranty

Hero MotoCorp Ltd. warrants all its vehicles, assembled/manufactured at its various Plants and sold through its channel partners, to comply with emission standards as specified in sub rule (2) of Rule 115 of Central Motor Vehicles Rules, 1989, subject to following terms & conditions.

Terms & conditions

a) The emission warranty shall be applicable in India and shall remain valid for a period of 3 years or 30000 km, whichever occurs earlier, from the date of vehicle purchase.

b) The parts, which are covered under emission warranty are fuel injector, fuel pump, throttle body, ignition coil, oxygen sensor and muffler ("Emission Related Component(s)").

c) In case any defect is observed in any Emission-Related Component(s) which are covered under emission warranty, Hero MotoCorp's only obligation/liability shall be to repair and/or replace those part (s) which is/are considered to be the cause of non-compliance with the emission standards.

d) The method (s) of examination to determine the warranty conditions of the Emission Related Component will be at the sole discretion of Hero MotoCorp and / or its channel partners / service center and result of such examination shall be final and binding. If on examination the warranty conditions of the Emission Related Component is / are not established, Hero MotoCorp will have the right to charge all, or part of the cost of such examination / service charges to you in addition to the cost of the components.

e) Hero MotoCorp shall have the sole discretion to decide to replace the defective Emission Related Component or the entire assembly or any other part required for such repair.

f) The emission warranty shall be applicable only to those vehicles, which are being regularly maintained in accordance with the maintenance schedule provided in the Owner's Manual.

g) You should follow the recommended parts replacement as per the maintenance schedule in order to avail the emission warranty.

h) If any Emission Related Component is/are tampered and/or repaired by unauthorized person/ workshops etc, then the emission warranty shall stand cancelled.

i) Any Emission Related Component suffering from wear and tear under the normal course of running shall not be covered under the emission warranty. Therefore, all such parts should be replaced by you from time to time, on payment basis, as per the maintenance schedule provided in Owner's Manual and dealer's advice

Hero XOOM 160

Hero MotoCorp Ltd.

EMISSION WARRANTY

j) It is recommended to avail the services as per the recommended schedule to be eligible for the emission warranty benefits. Please ensure that each paid service is availed within 120 days from the date of previous services or as per the recommended schedule, whichever is earlier.

k) It is mandatory to obtain a PUC certificate from the authorised PUC center. In case of non-compliance with the emission standards please contact the channel partner/authorised workshop immediately along with the previous OK certificate, for the necessary rectification. The manufacturer or the dealer is not responsible for any penalty levied on you on account of non-compliance with the emission standards.

l) Emission warranty shall not be applicable if

- The vehicle has been subjected to abnormal use, abuse, neglect and improper maintenance or has met with an accident.
- The vehicle, or parts including the Emission Related Component(s) thereof, has been altered, tampered with or modified or replaced in an unauthorized manner.
- The odometer is not functioning or the odometer and/or its reading has been changed/tampered with, so that the actual distance covered cannot be readily determined.
- The vehicle has been used for competitions, races, and rallies or for the purpose of establishing records.
- If any damage results to the Emission Related Component(s) covered under from repair, adjustment or maintenance operations by any method other than the methods specified by Hero MotoCorp.
- If any damage results from operation, whether intentional or accidental, other than as specified in the Owner's Manual.
- Any cost for periodic maintenance such as cleaning, inspection and adjustment.
- If any damage is caused to the Emission Related Component(s) due to a force majeure event, such as flood, fire, terrorist act, etc.

m) All decisions regarding emission warranty settlement shall be taken by Hero MotoCorp and shall be final binding on all concerned.

Subject to Delhi jurisdiction only.

Hero Genuine Parts

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Hero Genuine Parts.....12-1

GENUINE PARTS

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

Cam Chain Kit	• Poor performance • Reduced life • Material used is inferior • Damages other parts of clutch like, clutch center and outer clutch
Gasket Cylinder Head	• Improper sealing • Engine knocking • Leads to leakage and smoky exhaust • Higher emission level
Element Air Cleaner	• Improper air filtration resulting in premature engine failure • Affects fuel efficiency • Poor engine performance
Spark Plug	• Frequent stalling of engine • Higher emission level • Poor engine performance • Affects fuel efficiency
Brake Pads/Shoes	• Poor braking efficiency • Rider safety-an issue • Discs/Drum wear out, resulting in subsequent repair cost

ZONAL/REGIONAL OFFICES

For any of your service related query/requirements you may contact the respective Zonal/ Regional Offices

CENTRAL ZONE

Hero MotoCorp Ltd., NO. 209-210 , Ganpati Plaza , M.I Road, Jaipur -302001, Rajasthan, India
Tel:+91-141-238903, +91-141-2389156, E-mail: jaipur@heromotocorp.com

Hero MotoCorp Ltd., Office No. 55 to 59, 1st Floor, Maple High Street, Opposite Aashima Mall, Hoshangabad Road, Bhopal - 462026, Madhya Pradesh, India. Tel:+91-755-2994398, E-mail: bhopal@heromotocorp.com

Hero MotoCorp Ltd., Office No. 401, 4th Floor, Offizo, Magneto Mall, Labhandi, G. E. Road, Raipur - 492001 Chhattisgarh, India.
Tel:+91-0771-4034749, E-mail: raipur@heromotocorp.com

EAST ZONE

Hero MotoCorp Ltd., Flat No: 1002. 10th Floor, Martin Burn Business Park, BP3, Salt Lake, Sector-V, Kolkata - 700091, India.
Tel: +91-33-44026841+91-33-32580052, E-mail: kolkata@heromotocorp.com

Hero MotoCorp Ltd., Business Centre, Plot No.30, 30/982,172/1030, 4th Floor, Cuttack-Bhubaneswar Highway Road (Main Road towards Cuttack adjacent to Marble Emporium & In front of SBI Industrial Branch), Rasulgarh, Bhubaneswar-751010 India.
Tel: +91-0674-2581161, +91-0674-2581162, +91-0674-2581163, +91-0674-2581164, E-mail: bhubaneshwar@heromotocorp.com

Hero MotoCorp Ltd., Yash Heights, 1st Floor, Bariatu Road, Ranchi- 834009 (Jharkhand) India
Tel: +91-0651-2542222, +91-0651-2542224, +91-0651-2542225, E-mail: ranchi@heromotocorp.com

Hero MotoCorp Ltd., Sai Corporate Park, 'A' Block, 6th Floor, Rukanpura, Bailey Road, Patna - 800014 (Bihar) India
Tel: +91-0612-2590587, +91-0612-2590588, +91-0612-2590589, E-mail: patna@heromotocorp.com

NORTH ZONE

Hero MotoCorp Ltd., 3rd Floor, DLF Centre Court, Golf Course Road, DLF Phase 5, Sector 42, Gurugram, Haryana - 122002.
Tel:+91-0124-4754800, E-mail: delhi@heromotocorp.com

Hero MotoCorp Ltd., S.C.O 367 - 368 , First Floor, Sector-34A, Chandigarh - 160022, India.
Tel: +91-172-2623773, +91-172-2623774, 91-172-2623775, E-mail: chandigarh@heromotocorp.com

Hero MotoCorp Ltd., Hotel Mandakini Compound, 01, Haridwar Road, Dehradun - 248 001, India.
Tel: +91-135-2724661+91-135-2724662, E-mail: Dehradun@heromotocorp.com

NORTH ZONE

Hero MotoCorp Ltd., Summit Building (10th Floor) Plot No:TCG 3/3 Vibhuti Khand, Gomti Nagar, Lucknow - 226010
Tel: 0522-4006594, E-mail: lucknow@heromotocorp.com

Hero MotoCorp Ltd., IP Grand, 3rd floor, C-19/134-B, Lallapura, Sigra, Varanasi, Uttar Pradesh - 221010, India.
+91-0542-2508440, +91-0542-2508441, E-mail: varanasi@heromotocorp.com

SOUTH ZONE

Hero MotoCorp Ltd., No - Skav 909 Lavelle Building, Richmond Road, Shanthala Nagar, Ashok Nagar, Bengaluru, Karnataka 560025, India.
Tel:+91-80-46881000, E-mail: bangalore@heromotocorp.com

Hero MotoCorp Ltd., 9th Floor Seshachalam Centre no.636/1. Anna Salai, Nandanam. Chennai 600035, India.
Tel: 044-24340974, 044-24340977, 044-24340978, E-mail: chennai@heromotocorp.com

Hero MotoCorp Ltd., 6-A, DD Trade Tower (6th Floor), Kaloor - Kadavanthra Road, Kaloor, Kochi - 682 017, India.
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Tel: +91-422-2200058, +91-422-2200061, E-mail: coimbatore@heromotocorp.com

Hero MotoCorp Ltd., First Floor, V A Kalburgi Mahalakshmi Mansion, Mandakini Hospital Road, New Cotton Market, Hubli - 580029, India.
Tel: 0836-2269717, 0836-2361038, E-mail: hubli@heromotocorp.com

Hero MotoCorp Ltd., 3-6-289, 3rd Floor, Kareem Manzil, Hyderguda, Hyderabad - 500 029, India.
Tel: +91-040-23223735, +91-040-23223727, +91-040-23223570 , E-mail: hyderabad@heromotocorp.com

Hero MotoCorp Ltd., D.No. 54-11-18E, 2nd Floor, Sai Odyssey Building, Opp Executive Club, Near NH-5, Andhra Pradesh, Vijayawada - 520008, India. Tel: +91-866-2546859, E-mail: vijaywada@heromotocorp.com

WEST ZONE

Hero MotoCorp Ltd., Sr. No. 33, Hissa-A-1/1/2, Plot - 2, Chrome Building, Viman Nagar, Nagar Road, Next to Hotel Hindustan International,(HHI), Pune - 411 014 India. Tel: +91-020-71903500, E-mail: pune@heromotocorp.com

Hero MotoCorp Ltd., 604, Gunjan Towers, Off Alembic-Gorwa Road, Baroda - 390 023, India.
Tel: +91-265-2286569 +91-265-2286570, E-mail: baroda@heromotocorp.com

Hero MotoCorp Ltd., Astarc House, Third Floor, 76/79, Makwana Lane, Off. Andheri Kurla Road, Andheri (East), Mumbai - 400 059, India.
Tel: +91-2269830000, E-mail: mumbai@heromotocorp.com

Hero MotoCorp Ltd., Ground Floor, Block No.2, Vishnu Vaibhav Complex, 222, Palm Road, Civil Lines, Nagpur - 440 001, India.
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