Hero

MORE ATTITUDE.
MORE LATITUDE.



31°52'22.5 N, 78°36'32.6 E

Scan to discover
where the Xpulse 210
can take you

NEW XPULSE 210

MAKE NEW TRACKS

PREFACE

Thank you for selecting a Hero MotoCorp **XPULSE 210**. 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 **XPULSE 210.** 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, ILLUSTRATIONS, PHOTOGRAPHS, 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.

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

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 ***'XPULSE 210' COMPLIES WITH THE LATEST EMISSION NORMS.***

CONTENTS

	Pg. No.
VEHICLE IDENTIFICATION	1
VEHICLE VIEWS	2
VEHICLE SPECIFICATION	8
VEHICLE SAFETY	11
• Important safety information	11
• Protective apparel	12
• Off-road safety guidelines and general information	13
• Load limits and guidelines	14
• Riding precautions	16
• Accessories & modifications	16
ANTI-THEFT TIPS	17
SAFE RIDING TIPS	18
TIPS FOR HEALTHY ENVIRONMENT	19
PART FUNCTION	20
• Ignition switch	20
• Instruments and indicators	21
• TFT panel (Top Variant)	27
• LCD panel (Base Variant)	40
LOW FUEL INDICATOR	47
FEATURES	48
HANDLEBAR SWITCHES CONTROL	64
ABS INDICATOR	69
SIDE STAND INDICATOR/SWITCH	70
FUEL	72
SEAT LOCK	74
USB CHARGER	74
PRE-RIDE INSPECTION	75
STARTING THE ENGINE	76
RIDING	79
BRAKING	79
PARKING/UTILTIY BOX	82
TOOL KIT/FIRST AID KIT	82
CLEANING AND WASHING OF VEHICLE	83

	Pg. No.
MAINTENANCE	83
SAFETY PRECAUTION	84
MAINTENANCE SCHEDULE	85
ENGINE OIL	88
ENGINE OIL FILTER ELEMENT	90
COOLING SYSTEM	91
AIR CLEANER	94
VALVE CLEARANCE	96
CLUTCH LEVER FREE PLAY	96
THROTTLE OPERATION	98
DRIVE CHAIN SLACKNESS	98
DRIVE CHAIN SLIDER INSPECTION	102
BRAKES	102
SUSPENSION	105
WHEEL	106
SIDE STAND LUBRICATION	108
RIDER FOOTREST MOVEMENT INSPECTION	109
GEARSHIFT PEDAL MOVEMENT INSPECTION	109
TYRES	110
NUT, BOLTS & FASTENERS	112
BATTERY	112
FUSE REPLACEMENT	115
HEADLAMP FOCUS ADJUSTMENT	116
CATALYTIC CONVERTER	117
EVAPORATIVE EMISSION CONTROL SYSTEM	118
POLISHING OF VEHICLE	118
BASIC TROUBLESHOOTING	119
ROAD SIGNS	122
NAVIGATION SIGNS	124
WARRANTY	
HERO GENUINE PARTS	
ZONAL/REGIONAL/AREA OFFICES	

VEHICLE IDENTIFICATION



Vehicle Identification Number (VIN)
Location: Stamped on the right side of the steering head tube.



Engine No.
Location: Stamped on the lower side of the left crankcase.

VIN: MBLMDL01#########

MBL	MDL01	#	#	#	#	#####
Manufacturer code	Vehicle Description	Check Digit	Model Year	Plant Code	Month of Manufacturing	Production Serial Number

Engine No.: MD01AC########

MD01AC	#	#	#	#####
Engine Description	Year of Manufacturing	Assembly Plant	Month of Manufacturing	Serial Number

Model: XPULSE 210

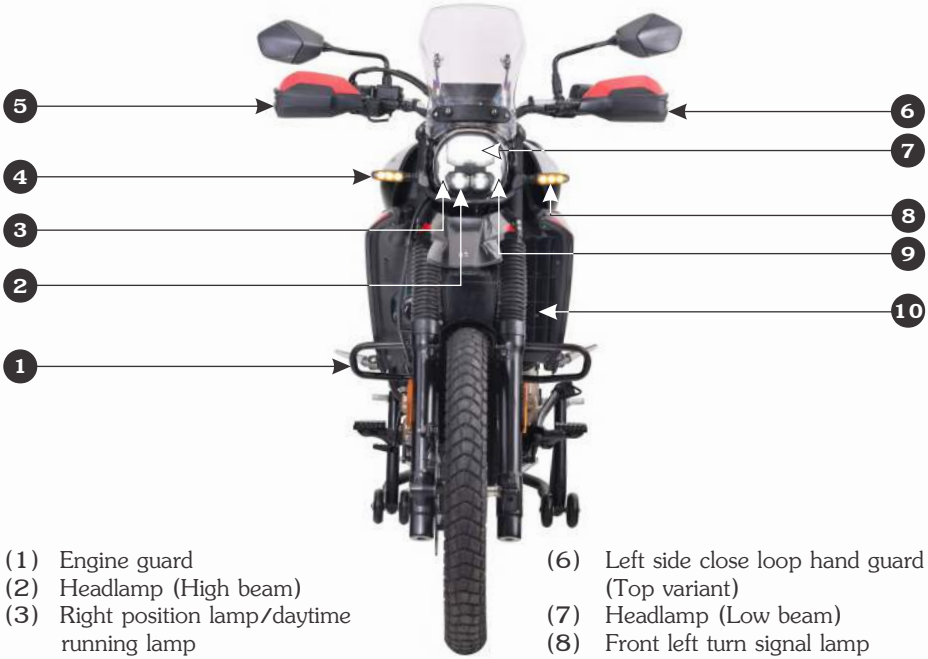
Variants	VIN	Engine
Front & Rear disc with ABS/Spoke wheel/Top	MDL01	MD01AC
Front disc with ABS/Rear disc/Spoke wheel/Base	MDL00	MD01AB

VIN and Engine No. may be required:

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

VEHICLE VIEWS

FRONT VIEW



(1) Engine guard
(2) Headlamp (High beam)
(3) Right position lamp/daytime running lamp
(4) Front right turn signal lamp
(5) Right side close loop hand guard (Top variant)
(6) Left side close loop hand guard (Top variant)
(7) Headlamp (Low beam)
(8) Front left turn signal lamp
(9) Left position lamp/daytime running lamp
(10) Radiator

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

REAR VIEW



(1) Rear fender
(2) Left rear turn signal lamp
(3) Tail/stop lamp
(4) Licence plate lamp
(5) Right rear turn signal lamp
(6) Rear reflex reflector

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

TOP VIEW (Top Variant)



(1) Ignition switch with key
(2) Horn switch
(3) Turn signal switch
(4) Clutch lever
(5) Rear view mirror
(6) Headlamp dimmer/Pass lamp switch
(7) Home screen navigator control
(8) Wind screen
(9) QR code sticker
(10) Meter console
(11) USB charging port
(12) Front brake master cylinder/Reservoir
(13) Hazard switch
(14) Integrated start-kill switch
(15) Front brake lever
(16) Throttle grip
(17) Fuel tank cap

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

TOP VIEW (Base Variant)



(1) Ignition switch with key
(2) QR code sticker
(3) Horn switch
(4) Turn signal switch
(5) Clutch lever
(6) Rear view mirror
(7) Mode button
(8) Headlamp dimmer/Pass lamp switch
(9) Set button
(10) Front visor
(11) Meter console
(12) USB charging port
(13) Front brake master cylinder/Reservoir
(14) Hazard switch
(15) Integrated start-kill switch
(16) Front brake lever
(17) Throttle grip
(18) Fuel tank cap

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

LEFT SIDE VIEW



(1) Side reflex reflector
(2) Front hugger fender
(3) Starter motor
(4) Gear shift pedal
(5) Rider footrest
(6) Left side cover
(7) Side stand
(8) Pillion footrest
(9) First aid & Tool kit compartment (inside)
(10) Saree guard
(11) Seat lock
(12) Seat
(13) Battery compartment (inside)
(14) Side stand switch
(15) Front fender

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

RIGHT SIDE VIEW



(1) Rear disc
(2) Rear brake fluid reservoir
(3) Rear brake master cylinder
(4) Brake pedal
(5) Bash plate
(6) Oil filler cap
(7) Front caliper assembly
(8) Front disc
(9) Throttle body
(10) Right side cover
(11) Air cleaner assembly (inside)
(12) Rear grip (Base variant)
(13) Rear luggage holder (Top variant)
(14) Exhaust muffler assembly
(15) Rear caliper assembly

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

VEHICLE SPECIFICATION

ITEM		SPECIFICATIONS
Dimensions		
Overall length		2254 mm
Overall width		884 mm
Overall height		1348 mm
Wheelbase		1446 mm
Saddle height		830 mm
Ground clearance		220 mm
Weight		
Kerb weight	Top variant	170 kg
	Base variant	168 kg
Rear luggage holder	Top variant	3 kg Maximum (Luggage weight with soft bag)
Panniers LH & RH		5 kg Maximum (Luggage weight each side)
Capacities		
Engine oil		1250 ml at draining without oil filter replacement 1350 ml at draining with oil filter replacement 1650 ml at disassembly
Fuel tank capacity		13.0 litres
Hydraulic brake fluid		DoT-4
Engine		
Maximum power		24.5 Ps @ 9250 r/min
Maximum torque		20.0 N-m @ 7250 r/min
Bore and stroke		73x50 mm
Compression ratio		12:01
Displacement		210 cc
Spark plug		BOSCH-VR5NEU
Spark plug gap		1.0-1.1 mm
Idle speed		1600±100 r/min

VEHICLE SPECIFICATION

ITEM		SPECIFICATIONS
Chassis and suspension		
Front suspension		Telescopic front forks (dia. 41 mm) with anti friction bush
Rear suspension		10 step preload adjustable gas charged monoshock with linkage assembly
Caster angle		27.1°
Trail length		112.8 mm
Tyre size	Front	90/90 21 M/C 54H
	Rear	120/80 18 M/C 62H
Brakes	Front (Disc type)	Dia. 276 mm
	Rear (Disc type)	Dia. 220 mm
Transmission		
Primary reduction		3.13
Final reduction		3.28
Transmission		6 speed constant mesh
Gear ratio, 1st		2.92
2nd		2.07
3rd		1.56
4th		1.24
5th		1.04
6th		0.92

VEHICLE SPECIFICATION

ITEM		SPECIFICATIONS
Electricals		
Battery		*MF Battery 12V-6 Ah/ETZ7
Alternator		320 W @ 5000 r/min
Headlamp (Main/Low/DRL)		LED (13.2V-14.8W/13.2V-31.3W/ 13.5V-10W)
Position lamp		13.5V-3.4W (LED)
Tail/Stop lamp		13.5V-0.8/4W (LED)
Turn signal lamp		7.45V-1.05W x 4 (LED)
Meter illumination		LED
Neutral indicator (Base variant)		LED
Turn signal indicator (RH/LH)		LED
Hi beam indicator		LED
ABS indicator		LED
Service reminder indicator	Top variant	TFT Display
	Base variant	LCD display
Side stand indicator		LED
Coolant temperature indicator	Top variant	TFT Display
	Base variant	LCD display
Licence plate lamp		12V-5W
Malfunction indicator lamp (MIL)		LED
Low fuel indicator		LED
Low oil pressure indicator		LED
Fuse	Starter magnetic switch	25A (Circuit fuse) and 25A (Spare fuse)
	Fuse box A	15Ax3, 10Ax3 (Main fuse) & 15A, 10A (Spare fuse)
	Fuse box B (Top varinat)	15Ax1 (Main fuse)

***MF stands for Maintenance Free**

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. See **(page 14)** for more details.

If you are involved in a crash

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

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

PROTECTIVE APPAREL

For your safety, we strongly recommend that you always wear 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.

⚠ WARNING

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

Helmets and eye protection

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

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

Additional riding gear

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

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

OFF-ROAD SAFETY GUIDELINES AND GENERAL INFORMATION

This vehicle allows you to enjoy all the excitement of riding it off-road. For this, it is necessary to follow some recommendations, which will tie off-road excitement with safety.

Tips for off-roading

Off-road riding skill develops gradually by practicing the vehicle step-by step.

Practice at low speeds initially in a safe area to understand the handling and operation of the vehicle to build your skills.

Contact authorised Hero MotoCorp workshop and ask whether there are off-road riding groups in your area where you can learn from experienced riders.

Protective equipment

Essential for your safety. Make a rule of always wearing them.

- **Helmet-** essential equipment.
- **Goggles-** the greater the visibility, the better.
  Choose goggles that do not break or splinter.
- **Long sleeved shirts-** having fillings in the elbows and shoulders to protect against eventual injuries in the arms.
- **Gloves-** models with padded hand backs are recommended for off-road riding. Choose gloves that fit your hands.
- **Abdominal band-** it protects internal organs against off-road bumps.
- **Nylon trousers** with protection in the knees or reinforced jeans. They increase protection. Choose the right size for your proper freedom of motion.
- **Boots-** they should be made of reinforced leather with thick grooved soles and steel tips. They should also be flexible and fit you properly.
- **Waist bag-** it is important so you may carry spare parts and those parts that were removed from the vehicle.
- **Chest/Shoulder protector-** it protects against chest and shoulder injuries by absorbing and dissipating the forces during an impact.

Off-road use

This vehicle is designed for on-road riding and light off-road riding.

Light off-road riding includes riding on:

- Unpaved roads.
- Gravel roads.
- Dirt roads.

Light off-road riding does not include:

- Off road competitions (such as motocross or enduro riding).
- Riding off-road with a pillion.
- Jumping the vehicle or riding over any bumps or obstacles.

⚠ WARNING

- ***Never attempt to ride over any obstacles.***
- ***A variety of challenges can be present in the terrain while riding in off-road conditions. Always read the terrain for unexpected turns, rocks, ruts, drop-offs and other hazards. Always keep your vehicle speed low to have enough time to see and react to hazards.***

Preparing the vehicle

For off-road practice, it is essential that your vehicle is in perfect mechanical condition. The front brake lever, clutch lever and turn signal brackets should be loosened in order to rotate in case of falling down, preventing breakage. They should be loosened to turn on the handlebars only with a slight force. Under most adverse conditions, the rear view mirrors and turn signals should be removed.

After off-roading

After riding "OFF-ROAD" conditions Hero MotoCorp recommends to inspect the steering upper and lower adjusting nut and get them tightened to specified torque.

⚠ WARNING

After riding "OFF-ROAD" always ensure to switch the ABS mode before returning back on road.

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.

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 and weight distribution (Without pannier)

This vehicle is designed to carry the rider (1) and one pillion (2). The weight should be distributed in four points (A, B, C, and D) and should never exceed the load capacity of **130 kg**.

(1)+(2)=130 kg {where, 1=A+B & 2=C+D}



(A) Rider seat	**(B) Rider footrest**
(C) Pillion seat	**(D) Pillion footrest**

(With pannier)

Total payload with accessories (including mounting stays, pannier boxes LH & RH and luggage weight) should never exceed the maximum load capacity of **160 kg**.

This will assure higher stability, better drivability and more comfort.

Damages caused by excessive load will not be covered under Hero MotoCorp warranty policy. If you are not sure about how to calculate the load weight that can be accommodated to your vehicle without causing overload and structural damages, see your Authorised Hero MotoCorp workshop.

Loading guidelines

Your vehicle is primarily intended for transporting you and a pillion. If you wish to carry cargo, check with your Authorised Hero MotoCorp workshop for advice and be sure to read the information regarding accessories **(page 14)**.

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:

- Keep cargo and accessory weight low and close to the center of the vehicle. Load weight equally on both sides to minimize imbalance. As weight is located further from the vehicle's center of gravity, handling is proportionally affected.
- Adjust tyre pressure **(page 110)** to suit load weight and riding conditions.
- Vehicle handling and stability can be adversely affected by loose cargo. Recheck cargo security and accessory mounts frequently.
- Do not attach large or heavy items to the handlebars, front fork or fender. Unstable handling or slow steering response may result.

RIDING PRECAUTIONS

Brake-in period

During the first 300 miles (500 km) of running follow these guidelines to ensure your vehicle's future reliability and performance.

- Avoid full-throttle starts and rapid acceleration.
- Avoid hard braking and rapid down-shifts.
- Ride conservatively.

Brakes

Observe the following guidelines:

- Avoid excessively hard braking and downshifting.
  - Sudden braking can reduce the vehicle's stability.
  - Where possible reduce speed before turning; otherwise you risk sliding out.
- Exercise caution on low traction surface.
  - The tyre slip more easily on such surfaces and braking distance are longer.
- Avoid continuous braking.
  - Repeated braking, such as when descending long, steep slopes can seriously overheat the brakes, reducing their effectiveness. Use engine braking with intermittent use of the brakes to reduce speed.
- For full braking effectiveness, operate both the front and rear brakes together.

⚠ WARNING

- ***Always make sure that any loads carried are evenly distributed on both sides of the motorcycle. Make sure that the load is correctly secured so that it will not move around, while the vehicle is in motion.***
- ***To evenly distribute the load within each pannier (if equipped). Ensure to pack heavy items at the bottom and on the inboard side of the pannier.***
- ***Always check the load security regularly (when the vehicle is not in motion) and make sure that the load does not extend beyond the limit at rear of the vehicle.***
- ***Never exceed the maximum vehicle loading weight as specified in the specifications section.***
- ***The maximum loading weight limit is defined by including the combined weight of the rider, passenger, any accessories installed and any load carried out.***

ACCESSORIES & MODIFICATIONS

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

⚠ WARNING

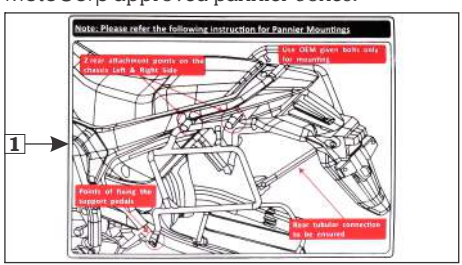
- ***Improper accessories or modifications can cause a crash in which you can be seriously hurt or killed.***
- ***Follow all instructions in this owner's manual regarding accessories and modifications.***

Accessories

- Make sure that the accessory does not obscure any lamps, reduce ground clearance, limit suspension travel or steering travel, affect your riding position or interfere with operating any controls.
- Be sure electrical equipment does not exceed the vehicle's electrical system capacity **(page 10).** A blown fuse can cause a loss of lights.
- Do not pull a trailer or sidecar with your vehicle. This vehicle has not been designed for these attachments, and their use can seriously impair your vehicle's handling.

Pannier mounting instruction sticker

The pannier mounting instructions sticker (1) is located on the rear fender under the seat. It provides basic installation instructions for Hero MotoCorp approved pannier boxes.



(1) Pannier mounting instructions sticker

! CAUTION

The pannier boxes are load bearing accessories. They must be installed on the defined mounting points provisioned on the frame with strict adherence to all precautions and instructions, which requires professional expertise. We recommend that you visit your Authorized Hero MotoCorp ***workshop for proper installation of*** Hero MotoCorp ***approved pannier boxes.***

Modifications

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

ANTI-THEFT TIPS

- Always lock the steering and never leave the key in the ignition switch. This sounds simple but people do 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 75).**
- Always wear a helmet (ISI marked) with chin strap securely fastened and insist on a helmet for your pillion rider.
- While riding, sit in a comfortable position with your legs close to fuel tank.
- Ride defensively and at a steady speed (between 40-50 km/hr).
- For stopping vehicle, use both brakes simultaneously, keeping throttle in the closed position.
- Respect road signs and obey traffic rules for your own safety and that of others on the road **(page 122).**
- 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 that integrated start-kill switch is in "ON" ( ) position.
- Keep checking the ABS indicator. At any point if indicator remains on, then ABS is not working **(page 69).**
- Keep checking speedometer. In case of ABS malfunction, speed display may go to zero.
- It is suggested to go through the do's & dont's of ABS **(page 80)** and practice your ABS vehicle initially in low-traffic condition unless you are thoroughly familiar with your vehicle and its controls.

Don'ts

- Never use cell phone while riding the vehicle.
- Avoid sudden acceleration, braking and turning of your vehicle.
- Never shift gears without disengaging the clutch and closing the throttle.
- Avoid keeping any cloth or flammable object between hot parts (muffler, radiator, engine).
- Never touch any part of the hot exhaust system like muffler.
- Never ride under the influence of alcohol or drugs.
- Concentrate on the road and avoid talking to the pillion rider or others on the road.
- Do not litter the road.
- Do not cross the continuous white/yellow line in the center of the road, while overtaking.
- Do not attach large or heavy items to the handlebars, front forks, or fenders.
- Never take your hands off the steering handle while riding.
- Do not attempt to apply the front brake lever intermittently for ABS vehicle.
- Do not panic due to mechanical noises or slight lever pulses while applying the brake in vehicle. These conditions are normal and indicates that ABS is working.
- Do not apply hard braking in wet or rainy conditions.
- Do not switch off the integrated start-kill switch ( ) while riding the vehicle **(page 68).**
- Do not move the side stand down while riding, as engine will stop while vehicle is in gear **(page 71)** (Wheel locking leading to accident, part damage, etc.).
- Navigation system assists you to reach your destination, don't be distracted while riding. Ride safely and always obey traffic rules.
- Do not ride the vehicle, when the coolant temperature indicator bar reaches "H" range **(page 93)**.

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 Xotic+ SAE 10W 30 SL MA2 fully synthetic PAO based oil is recommended by Hero MotoCorp and make sure you change it every 12000 km. (with top up every 6000 kilometres) to keep the engine fit and environment healthy.

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

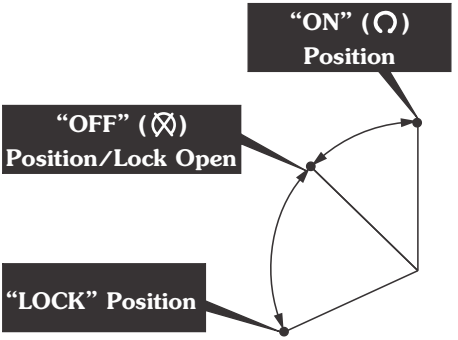
- **Emission pollution:** Get emission of your vehicle checked by Authorised agencies at least once every 6 months or as notified by the government from time to time.

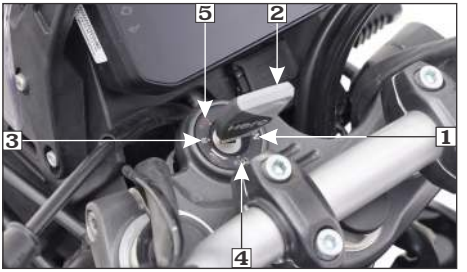
- **Fuel saving & reduce pollution:** Switch "OFF" the engine while waiting at traffic signal points to save fuel & reduce pollution, if the waiting period is long.

- **BS-VI grade fuel :** Always use BS-VI grade fuel to adhere to BS-VI norms.

PARTS FUNCTION

Ignition switch



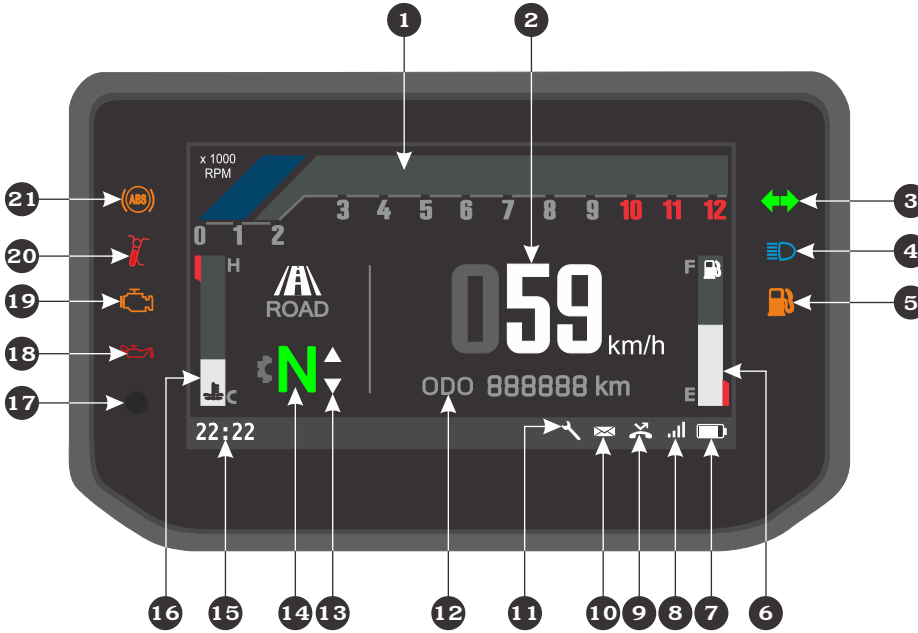


1. Ignition switch
2. Ignition key
3. "OFF" (⊗) position
4. Steering lock position
5. "ON" (ᑎ) position

Key Position	Function	Key Removal
"ON" (ᑎ)	The meter console illuminates & initial display of multi-function digital segments are displayed. The tachometer segment, engine coolant temperature and the fuel gauge bar will swing to the maximum scale once and back to their normal position. Welcome message and service reminder indicator will appear for few seconds when the ignition switch is turned "ON". The engine can be started. Turn signal lamp, horn, tail/stop lamp, fuel gauge, passlamp, position lamp & hazard switch will be functional. Malfunction indicator lamp (MIL) illuminate continuously.	Key cannot be removed.
"OFF" (⊗)	Engine cannot be started and no electrical system will be functional.	Key can be removed.
"LOCK"	Steering can be locked.	Key can be removed.

INSTRUMENTS AND INDICATORS (Top Variant)

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

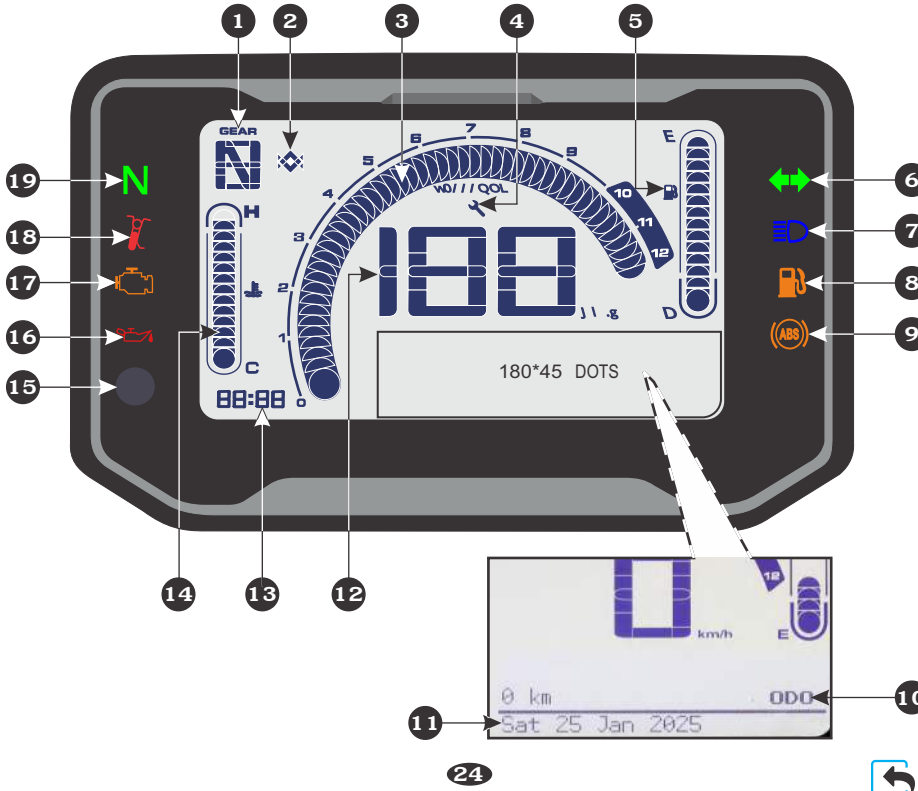


Sl. No.	Description	Function
1	Tachometer	Shows engine revolution per minute. The tachometer digital segments will swing to maximum scale on the meter console once the ignition switch is turned “ON” .
2	Speedometer	Indicates riding speed.
3	Turn signal indicator ( )	Flashes when left/right turn signal switch or hazard switch is operated.
4	High beam indicator ( )	Light glows when headlamp is in high beam.
5	Low fuel indicator ( )	Light glows when the fuel quantity is low **(page 47).**
6	Fuel gauge	Indicates approximate fuel available in the form of digital bar. The digital bar will swing to maximum scale on the meter console once the ignition switch is turned “ON” ( ) **(page 27).**
7	Phone battery status	Display battery status of smartphone on the meter console once your smartphone is paired with the vehicle via Hero app **(page 58)**.
8	Network strength	Display network strength of smartphone on the meter console once your smartphone is paired with the vehicle via Hero app **(page 58)**.
9	Missed call alert	You will get all the missed call alert on the meter console once your smartphone is paired with the vehicle via Hero app **(page 56)**.
10	Message alert	You will get all the message alert on the meter console once your smartphone is paired with the vehicle via Hero app **(page 57)**.
11	Service reminder indicator ( )	Display when the next service is due **(page 27).**

Sl. No.	Description	Function
12	Odometer	Shows accumulated distance travelled **(page 27).**
13	Gear up/down advisory ()	Assists the rider to shift gear for achieving optimum fuel efficiency based on engine performance **(page 48).**
14	Gear indicator ()	Displays the selected gear while riding **(page 48).**
15	Digital clock	Indicates hours & minutes **(page 29).**
16	Engine coolant temperature indicator	Indicates the coolant temperature and warns when the coolant temperature is too high **(page 93).**
17	Ambient light sensor	Controls the TFT display backlight and headlamp.
18	Low oil pressure indicator ()	When the ignition switch is turned ″ON″, the low oil pressure indicator lamp glows continuously until the engine is started. After starting the engine, the lamp goes ″OFF″, which indicates that the engine oil pressure in the system is OK. Sometimes during panic or hard braking, the lamp can glow for a few seconds and then go ″OFF″ when the vehicle returns to normal state. **If the lamp glows continuously when the engine is "ON", stop immediately, switch "OFF" the engine, and contact an authorised** Hero MotoCorp **workshop.**
19	Malfunction indicator lamp (MIL) ()	When the ignition switch is turned “ON” the programmed FI malfunction indicator lamp (MIL) glows continuously and then should go “OFF” once the engine is started. It indicates that programmed FI system is OK. If it glows continuously there is an abnormality in the programmed FI system, it is recommended to reduce the speed and ride to the Authorised Hero MotoCorp workshop for check-up.
20	Side stand indicator ()	Light glows when the side stand is down **(page 70).**
21	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 speed of 5 km/h. If there is a problem with the anti-lock braking system, ABS indicator turns “ON” **(page 69).**

INSTRUMENTS AND INDICATORS (For Base Variant)

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



Sl. No.	Description	Function
1	Gear indicator ()	Displays the selected gear while riding **(page 46).**
2	Gear up/down advisory ()	Assists the rider to shift gear for achieving optimum fuel efficiency based on vehicle's engine performance **(page 49).**
3	Tachometer	Shows engine revolution per minute. The tachometer digital segments will swing to maximum scale on the meter console once the ignition switch is turned "ON" .
4	Service reminder indicator ()	Display when the next service is due **(page 45).**
5	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" () **(page 45).**
6	Turn signal indicator ()	Flashes when left/right turn signal switch or hazard switch is operated.
7	High beam indicator ()	Light glows when headlamp is in high beam.
8	Low fuel indicator ()	Light glows when the fuel quantity is low **(page 47).**
9	Anti-lock braking system (ABS) indicator ()	This indicator normally comes on for approx 1.8 seconds when the ignition switch is turned "ON" () & then keeps blinking until the vehicle attains speed of 5 km/h. If there is a problem with the anti-lock brake system, ABS indicator turns "ON" **(page 69).**
10	Odometer	Shows accumulated distance travelled **(page 41).**
11	Calender configuration	Displays the day, month and year.

Sl. No.	Description	Function
12	Speedometer	Indicates riding speed.
13	Digital clock	Indicates hours & minutes **(page 40)**.
14	Engine coolant temperature indicator	Indicates the coolant temperature and warns when the coolant temperature is too high **(page 93).**
15	Ambient light sensor	Controls the LCD display backlight and headlamp.
16	Low oil pressure indicator ()	When the ignition switch is turned ″ON″, the low oil pressure indicator lamp glows continuously until the engine is started. After starting the engine, the lamp goes ″OFF″, which indicates that the engine oil pressure in the system is OK. Sometimes during panic or hard braking, the lamp can glow for a few seconds and then go ″OFF″ when the vehicle returns to normal state. **If the lamp glows continuously when the engine is "ON", stop immediately, switch "OFF" the engine, and contact an authorised** Hero MotoCorp **workshop.**
17	Malfunction indicator lamp (MIL) ()	When the ignition switch is turned “ON” the programmed FI malfunction indicator lamp (MIL) glows continuously and then should go “OFF” once the engine is started. It indicates that programmed FI system is OK. If it glows continuously there is an abnormality in the programmed FI system, it is recommended to reduce the speed and ride to the Authorised Hero MotoCorp workshop for check-up.
18	Side stand indicator ()	Light glows when the side stand is down **(page 70).**
19	Neutral indicator (**N**)	Light glows when vehicle is in neutral.

THIN FILM TRANSISTOR (TFT) PANEL (Top Variant)

(a) Odometer

The odometer (1) shows accumulated distance travelled.

The odometer can be displayed from "0 to 999999" km.

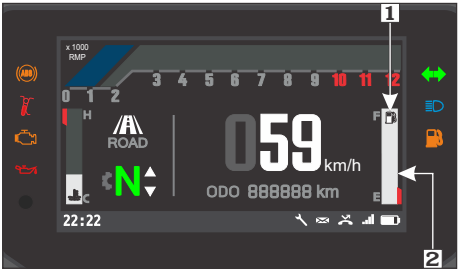


(1) Odometer

(b) Fuel gauge

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

The digital bar (2) will swing to maximum scale on the meter console once the ignition switch is turned "ON" ( ). If the bar is displayed up to F bar it means fuel quantity in the fuel tank is 13.0 litres.



(1) Fuel gauge (2) Bar

(c) 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 willl 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.

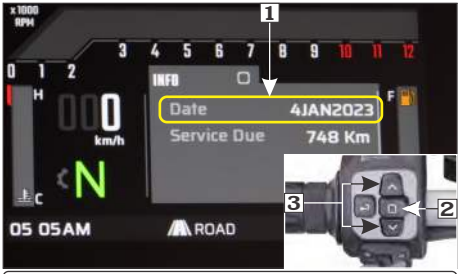


(1) Service reminder indicator

(d) Date

Displays the day, month and year (1).

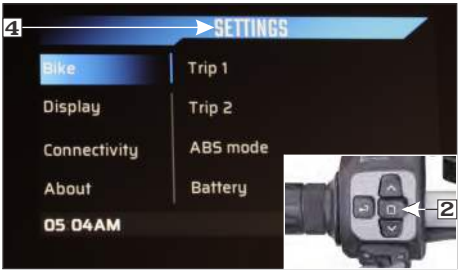
Short press the set button (2) repeatedly press the up/down button (3) until the "Date" is displayed.



(1) Date
(2) Set button
(3) Up/Down button

For date setting refer to the procedure below:

- Turn the ignition switch "ON" (⏻).
- Date will be adjusted in configurable menu.
- To open the bike settings (4) on the meter console, press and hold the set button (2).



(4) Settings

- Navigate to display setting (5) on the meter console by pressing the up/down button (3) and press the set button (2) to open the display setting.
- In display setting navigate to date and time setting (6) by pressing the up/down button (3) and press the set button (2) to open the date and time setting.



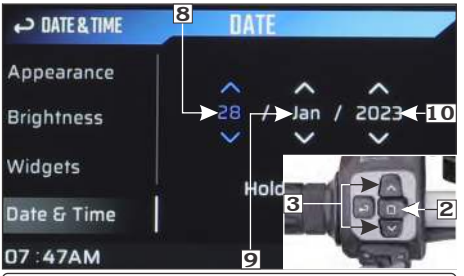
(5) Display setting **(6) Date & Time**

- In date and time setting navigate to date setting (7) on the meter console by pressing the up/down button (3) and press the set button (2) to open the date setting.



(7) Date setting

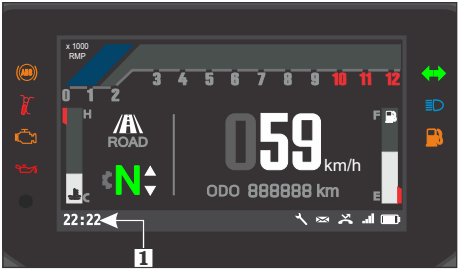
- To set the desired day (8), press up/down button (3) until the desired day is displayed.
- To set month (9), press the set button (2) to switch from day to month display. Now press the up/down button (3) until the desired month is displayed.
- To set year (10), press the set button (2) to switch from month to year display. Now press the press up/down button (3) until the desired year is displayed.
- To set the date press and hold the set button (2).



(8) Day (9) Month (10) Year

(e) Clock

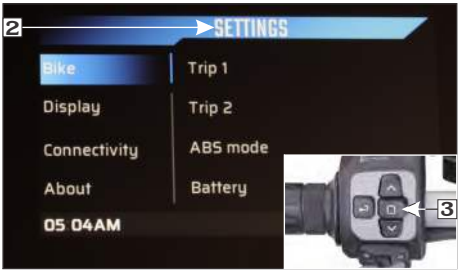
Digital clock (1) shows hour and minute.



(1) Clock

For clock setting refer to the procedure below:

- Turn the ignition switch "ON" (Ω).
- Clock will be adjusted in configurable menu.
- To open the settings (2) on the meter console, press and hold the set button (3).



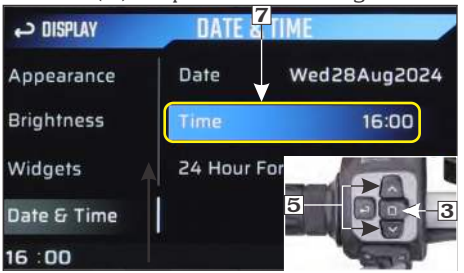
(2) Settings (3) Set button

- Navigate to display setting (4) on the meter console by pressing the up/down button (5) and press the set button (3) to open the display setting.
- In display setting navigate to date and time setting (6) by pressing the up/down button (5) and press the set button (3) to open the date and time setting.



(4) Display setting (5) Up/Down button
(6) Date & Time

- In date and time setting navigate to time setting (7) on the meter console by pressing the up/down button (5) and press the set button (3) to open the time setting.



(7) Time setting

- To set the hour (8), press up/down button (5) until the desired hour is displayed.
  - The time is advanced by 1 hour each time the up/down button (5) is pressed.
  - The time advances fast when the up/down button (5) is pressed and held.
- To set minute (9), press the set button (3) to switch from hour to minute display. Now press the up/down button (5) until the desired minute is displayed.
  - The time is advanced by 1 minute each time the up/down button (5) is pressed.
  - The time advances fast when the up/down button (5) is pressed and held.

- To change AM-PM (10), press the set button (3) to switch from minute to AM-PM display. Now press the press up/down button (5) to select the AM-PM.
- To set the clock press and hold the set button (3).



(8) Hour (9) Minute (10) AM/PM

NOTE

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

(f) Tripmeter

The tripmeter shows distance travelled since trip meter was reset last time. There are two tripmeters, "Trip1" and "Trip2".

Short press the set button (1) on the handlebar to view "Trip1" (2) display.

Press the up/down button (3) to select "Trip2" (4).

"Trip1" and "Trip2" can be displayed up to "999.9" km.

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



(1) Set button (2) Trip1
(3) Up/Down button



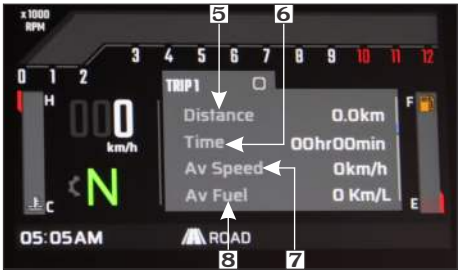
(4) Trip2

Press the set button (1) to view the following tripmeter parameters:

- **Distance (5):** distance covered in a trip.
- **Trip time (6):** time taken to complete a trip.
- **Avg speed (7):** average speed at which vehicle completes a trip.

- **Avg fuel consumption (FE) (8):** average fuel consumption at which vehicle covers the trip distance.
- To view the above parameters press up/down button (3).

When tripmeter sub menu is selected, long press (more than 2 seconds) the set button (1) to reset tripmeter to zero.



(5) Distance (6) Time (7) Average speed (8) Average fuel consumption

(g) Real time mileage indicator (RTMI)

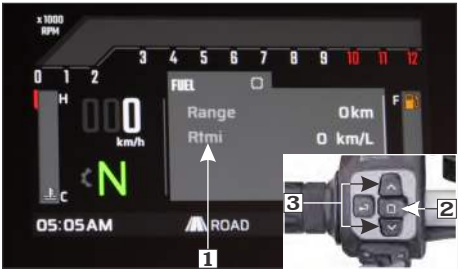
The real time mileage indicator (RTMI) (1) shows the current mileage of the vehicle in km/litre and is refreshed after every 3±2 seconds.

Short press the set button (2) repeatedly press the up/down button (3) until the "RTMI" is displayed.

When the ignition switch is turned "ON" (ᑎ) position, the real time mileage indicator will temporarily show the digit "---.- km/l" which indicates that all the digital LCD segments are working. The display range is from (0 to 120 km/litre).

The fuel consumption shall be displayed when the speed of the vehicle is more than 5±2 km/hr. If the speed is less than 5±2 km/hr "---.-" shall be displayed.

The RTMI shows a minimum value of 0.0 km/litre and maximum value of 120 km/litre. During coasting with throttle fully closed, the fuel consumption is very minimal and hence the display can go up to 120 km/litre.



(1) Real time mileage indicator (RTMI) (2) Set button (3) Up/Down button

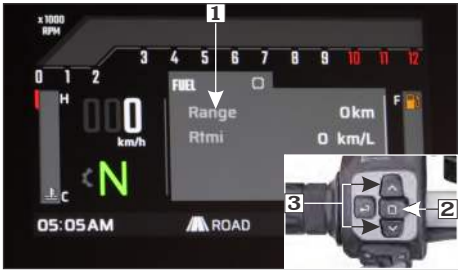
(h) Distance to empty (DTE)

Distance to empty indicator "RANGE" (1) shows how many kilometres are left before the complete fuel is consumed in the fuel tank while riding.

Short press the set button (2) repeatedly press the up/down button (3) until the "DTE" is displayed.

NOTE

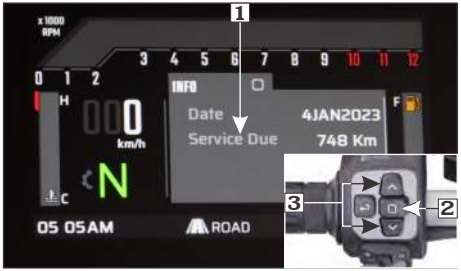
In low fuel condition, range value will not be displayed.



(1) Distance to empty
(2) Set button
(3) Up/Down button

(i) Service due

Indicates how many kilometres are left before the next service is due (1). Short press the set button (2) repeatedly press the up/down button (3) until the "Service due" is displayed.

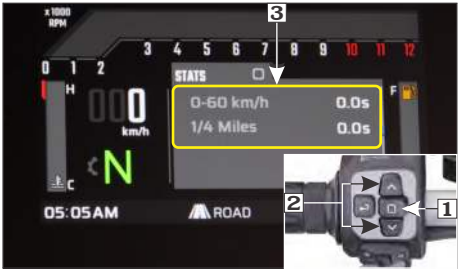


(1) Service due
(2) Set button
(3) Up/Down button

(j) Stats

This module will show, how much seconds to attain at every 0-60 km/h and every 402 meters when speed starts from 0 km/h (Or) mi/h.

Short press the set button (1) repeatedly press the up/down button (2) until the "STATS intermediate screen" (3) is displayed.



(1) Set button
(2) Up/Down button
(3) "STATS intermediate screen"

This window shows two stats:

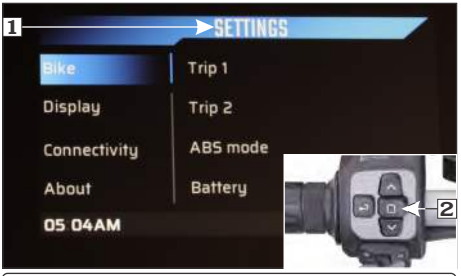
- **0-60 km/h Timer (in seconds):**
  Displays time taken to reach 60 km/h, whenever starting from standstill (0 km/h). This stat is only recorded when vehicle reaches 60 km/h within 6 seconds. The reading will remain 0:0s if it takes more than 6 seconds to achieve the specified speed.

- **1/4 Miles Timer (in seconds):** Displays time taken to cover 402 meters, whenever starting from standstill (0 km/h). This stat is only recorded when vehicle covers 402 meters within 25 seconds. The reading will remain 0:0s if it takes more than 25 seconds to cover the specified distance.

The attained value for both these timers will be erased whenever battery is in "OFF" condition, and will reset to 0.0s when battery is back in "ON" condition.

(k) TFT setting

Turn the ignition switch to "ON" (Ω) position. To open the setting (1) on the meter console press and hold the set button (2) on the handlebar.



(1) Setting **(2) Set button**

There are different settings which can be configured by the user according to the preference

User can navigate through the settings by using up button (3) or down button (4).

To select the setting press set button (2) and to come out from the setting press back button (5) on the handlebar.



(2) Set button **(3) Up button**
(4) Down button **(5) Back button**

Meter console display the following features:

1. Bike setting

Open the bike setting (1) by press and hold the set button (2).

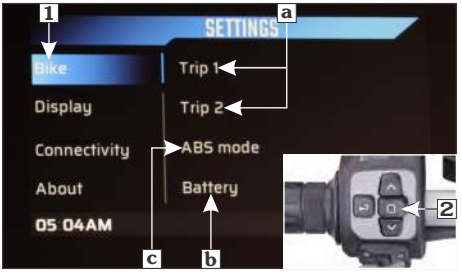
User can view:

(a) Trip 1 & 2

User can view trip 1 & 2 distance, trip time, average speed and average fuel consumption (FE). User can reset the tripmeter by press and hold the set button on the handlebar.

(b) Battery

User can view the vehicle's battery voltage.



(1) Bike setting (2) Set button
a. Trip1 & 2 b. Battery c. ABS mode

(c) ABS mode

There are three following ABS modes available in the vehicle:

- **ROAD**: In road mode (1) ABS functions will be active in front and rear wheels with optimal performance.



(1) Road mode

- **TRAIL**: Trail mode (2) is add-on for unpredictable rough terrains where optimal control is needed for braking. The working principle for this mode is similar but allows higher front wheel slip to provide better control, based on rider input & road condition (Especially on rough road/off roads). In case of dual channel ABS variants, ABS functioning will be switched off in the rear wheel during trail mode. The rear wheel may lock during the panic braking maneuvers.



(2) Trail mode

- **OFF-ROAD**: In off-road mode (3) ABS mode will be switched off completely in both front and rear wheels, to allow wheel locking during panic braking maneuvers.



(3) Off-Road mode

WARNING

After riding "OFF-ROAD" always ensure to switch the ABS mode before returning back on road.

Mode selection

To select the desired ABS mode, proceed as follows:

- Turn the ignition key to "ON" (ON).
- Open the bike setting **(page 34).**
- Press the set button (1) and select the ABS mode by pressing the up/down button (2).
- Open the ABS mode by pressing the set button (1).
- Pressing the up/down button (2) to select the desired mode and to set the mode press the set button (1).



c. ABS mode
(1) Set button **(2) Up/Down button**

NOTE

- ***The user can directly enter into ABS mode by pressing "Down" button more than 2 seconds from home screen***
- ***If the user does not responded within 5 seconds after enter into ABS mode it will go to previous screen.***
- ***While riding the vehicle, ABS mode change is not possible, it will activate only when the vehicle is in idle condition.***
- ***Every time the ignition switch is turned "ON", the "ROAD" mode will be activated by default.***

⚠ WARNING

- ***After riding "OFF-ROAD" or "TRAIL" mode, always ensure to switch the ABS mode to "ROAD" before returning back on road.***
- ***Riding on public roads with ABS in "OFF-ROAD" or "TRAIL" mode may lead to wheel locking or wheel skidding during panic braking.***

2. Display setting

To customize the meter console user can select from different display settings (1).

User can view:

- **Appearance**
- **Brightness**
- **Widgets**
- **Date & Time**
- **Units**



(1) Display setting

a. Appearance

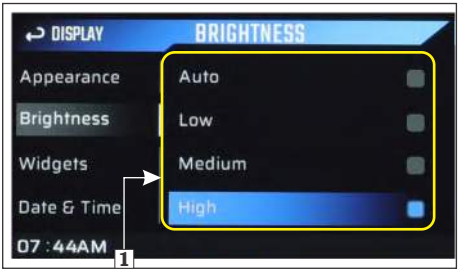
Appearance (1) feature allows the user to change the TFT display theme. Select the display mode of cluster from the option of day and night or auto. When day mode is selected headlamp will be "OFF", when night mode is selected headlamp will be "ON" or when auto mode is selected TFT theme is adjusted automatically and headlamp will be "ON"/"OFF" as per the ambient lighting condition around the vehicle.



(1) Appearance mode

b. Brightness

Brightness (1) feature allows the user to adjust the brightness level of the TFT display. Select the display mode of cluster from the option of auto, low, medium and high.



(1) Brightness mode



(1) Widgets

c. Widgets

Widgets (1) feature allows the user to customize the TFT screen.

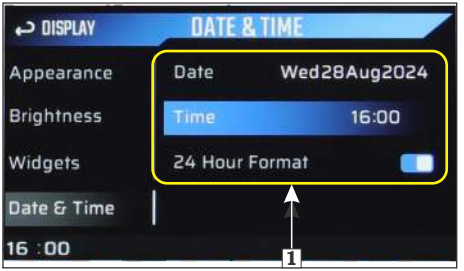
- Music
- Fuel
- Navigation
- Info
- Trip 2
- Stats



(1) Widgets (Inset image shows remaining options)

d. Date and time

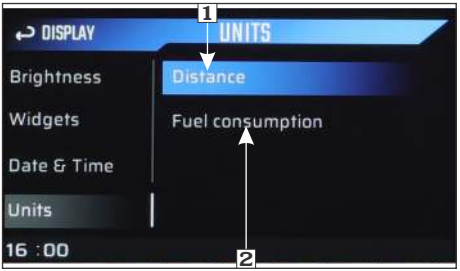
- **Date setting-**User can set the date **(page 28).**
- **Time setting-**User can set the time **(page 28).**
- **Time format-** User can change the time format between 24 hour or 12 hour.



(1) Date & Time setting

e. Units

- **Distance–** Any distance (1) which is displays on the meter console are shown in kilometers (km) or miles.
- **Fuel consumption–** User can change the fuel consumption (2) unit between "L/100km", "km/L" to "Mi/L".



(1) Distance **(2) Fuel consumption**

3. Connectivity setting

User can select from different options which will be displayed on meter console.

Below are the following options which can be displayed on the connectivity setting (1):

- Bluetooth
- Music



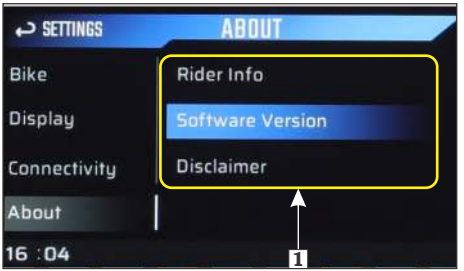
(1) Connectivity setting

4. About

a. Rider info– User can view the rider information which is stored through the App.

b. Software version– User can view the meter console current software version.

c. Disclaimer– User can view the disclaimer about the meter console.



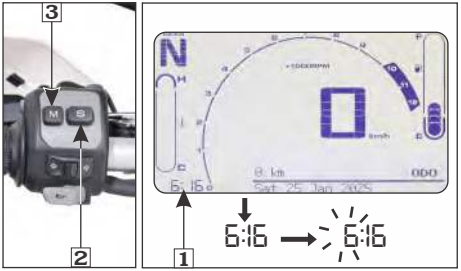
(1) About setting

LCD PANEL (Base Variant)

(a) Digital clock

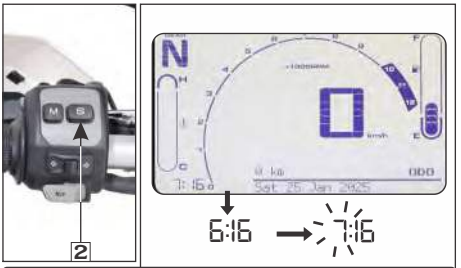
Digital clock (1) shows hour and minute. To adjust the time, proceed as follows :

- 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.



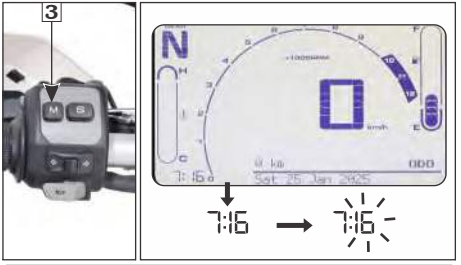
(1) Digital clock **(2) Set button**
(3) Mode button

- To set the hour, press set button (2) until the desired hour is displayed. Clock format is 24 hours type. The hour display will return to "00" after "23".
  - The time is advanced by 1 hour each time the button is pressed.
  - The time advances fast when the button is pressed and held.



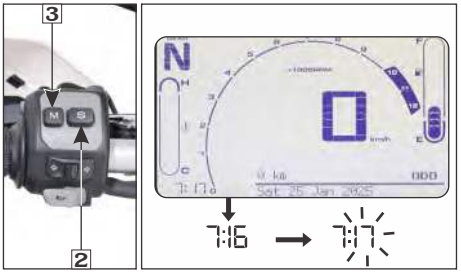
(2) Set button

- Press the mode button (3). The minutes display starts blinking.



(3) Mode button

- To set the minute, press set button (2) until the desired minute is displayed. The minute display will return to "00" after "59" 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 (3) Mode button

- To end the adjustment press the mode button (3) until clock display stops blinking.

NOTE

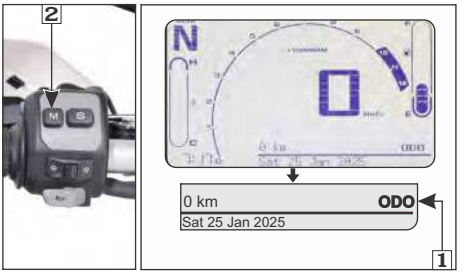
The clock will reset to "1:00 AM" if the battery is disconnected.

(b) Odometer (ODO)

The odometer (1) shows accumulated distance travelled.

To select odometer press the mode button (2) until odometer is displayed.

The odometer can be displayed from "0 to 999999" km.



(1) Odometer (2) Mode button

(c) Date

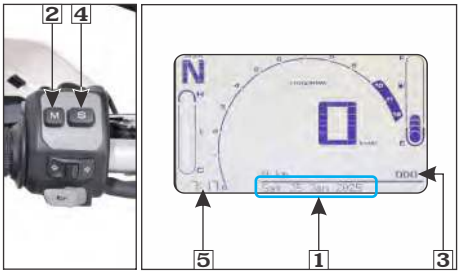
Displays the day, date, month and year (1).

To update the date proceed as follows :

- Turn the ignition switch "ON" ( ).
- Press the mode button (2) until odometer (3) is displayed.
- Press and hold mode button (2) and set button (4) simultaneously for more than 2 seconds. The clock (5) display will start blinking.

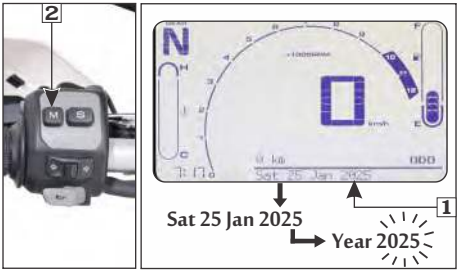
NOTE

Date display appears only with the odometer display.



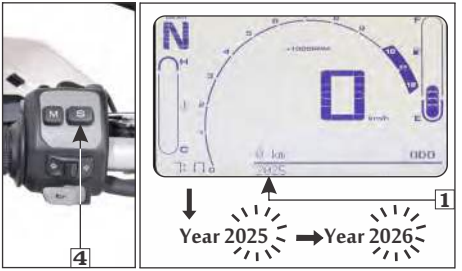
(1) Date (2) Mode button (3) Odometer
(4) Set button (5) Clock

- Keep pressing and releasing mode button (2) until date display (1) starts blinking.



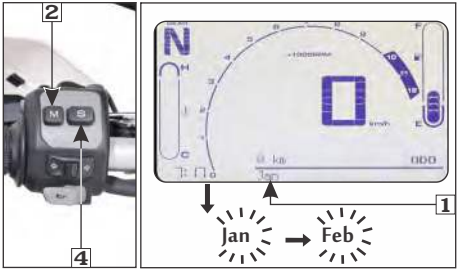
(1) Date display (2) Mode button

- Now to set year, press set button (4) until the desired year is displayed.



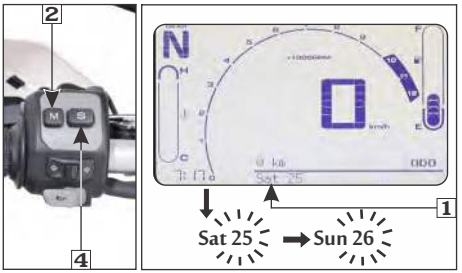
(1) Date display (4) Set button

- To set month, press the mode button (2) to switch from year to month display. Now press the set button (4) until the desired month is displayed.



(1) Date display (2) Mode button
(4) Set button

- To set day, press the mode button (2) to switch from month to day display. Now press the set button (4) until the desired day is displayed.



(1) Date display **(2) Mode button**
(4) Set button

- To end the adjustment press the mode button until date display stops blinking.

(d)Tripmeter

The tripmeter shows distance travelled since trip meter was reset last time. There are two tripmeters, "Trip A" and "Trip B".

To select "Trip A" and "Trip B", keep pressing and releasing mode button (2) until "Trip A" and "Trip B" are displayed.

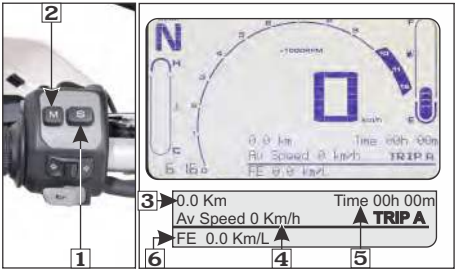
"Trip A" and "Trip B" can be displayed up to "999.9" km.

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

Trip meter displays following parameters:

1. **Distance** (3): distance covered in a trip.
2. **Av speed** (4): average speed at which vehicle completes a trip
3. **Time** (5): time taken to complete a trip.
4. **Avg fuel consumption (FE)** (6): Average fuel consumed during the trip.

When tripmeter is selected, long press (more than 2 seconds) the set button (1) to reset tripmeter to zero.



(1) Set button **(2) Mode button**
(3) Distance **(4) Avg speed**
(5) Trip time **(6) Avg fuel consumption (FE)**

(e) ABS mode

There are three following ABS modes available in the vehicle:

- **Road**: Front wheel ABS will be active for optimal performance.
- **Trail**: Trail mode is add-on for unpredictable rough terrains where optimal control is needed for braking. The working principle for this mode is similar but allows higher front wheel slip to provide better control, based on rider input & road condition (Especially on rough road/off roads). In case of dual channel ABS variants, ABS functioning will be switched off in the rear wheel during trail mode. The rear wheel may lock during the panic braking maneuvers.
- **Off-Road**: Front wheel ABS will be deactivated.

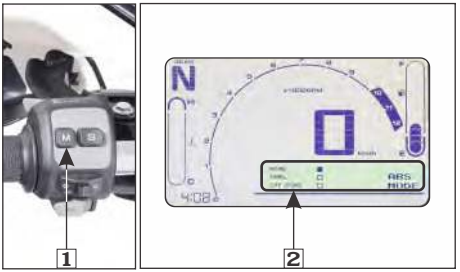
! CAUTION

Trail or off-road mode should only be used by expert or trained riders.

Mode selection

To select the desired ABS mode, proceed as follows:

- Turn the ignition key to "ON" (ᗣ).
- Press and hold the mode button (1) for more than 2 seconds. The ABS modes (2) (Road, Trail or Off-Road) will be display.
- To select the desired modes long press the mode button (1) until the desired mode selected.
- To set desired mode press the mode button (1).



(1) Mode button **(2) ABS Mode**

NOTE

- ***While riding the vehicle, ABS mode change is not possible, it will activate only when the vehicle is in idle condition.***
- ***Every time the ignition switch is turned "ON", the "ROAD" mode will be activated by default.***

⚠ WARNING

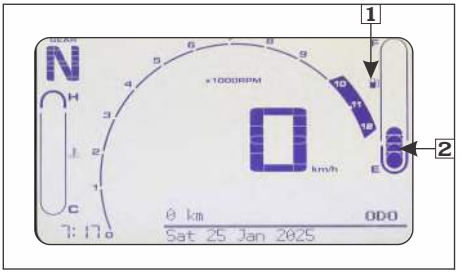
After riding off-road or on rough terrains (with ABS in "OFF-ROAD" or "TRAIL" mode), always select "Road" ABS mode when returning to public roads.

Riding on public roads with ABS in "OFF-ROAD" or "TRAIL" mode may lead to wheel locking (or wheel skidding) under hard braking.

(f) 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 13 litres.

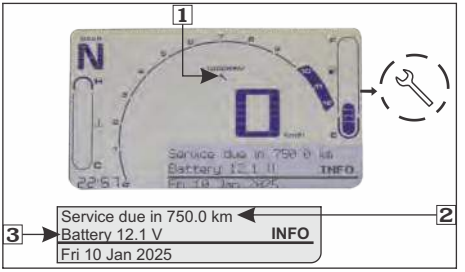


(1) Fuel gauge **(2) Segment**

(g) 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. The vehicle battery status also appears with next service due.



(1) Service reminder indicator
(2) Next service distance
(3) Vehicle battery status

Keep pressing and releasing mode button until service due distance (2) along with vehicle battery status (3) are displayed.

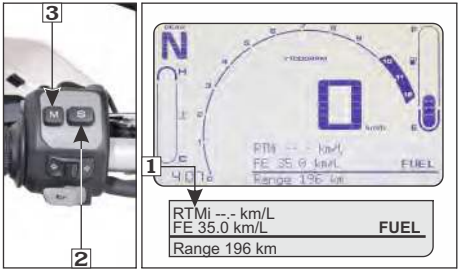
The service reminder indicator " " can be reset at an Authorised Hero MotoCorp workshop.

NOTE

After getting the vehicle serviced, make sure that the Service Reminder Indicator has been reset.

(h) 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.



(1) Real time mileage indicator (RTMI)
(2) Set button **3) Mode button**

To display RTMI, keep pressing and releasing mode button (3) until RTMI is displayed.

When the ignition switch is turned "ON" (), the real time mileage indicator will temporarily show the digit "--.- km/L". The display range is from 0 to 120 km/litre.

The fuel consumption shall be displayed when the speed of the vehicle is more than 5±2 km/hr. If the speed is less than 5±2 km/hr "--.-" shall be displayed.

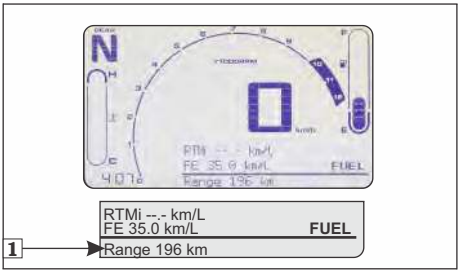
During coasting with throttle fully closed, the fuel consumption is very minimal and hence the display can go up to 120 km/litre.

NOTE

While riding, RTMI will show its first reading at 10 seconds with minimum vehicle speed of 5 kmph and thereafter will update in every 3 seconds.

(i) DTE (Distance to empty)

Distance to empty indicator "Range" (1) shows how many kilometres are left before the complete fuel is consumed in the fuel tank while riding.



(1) Distance to empty (DTE)

NOTE

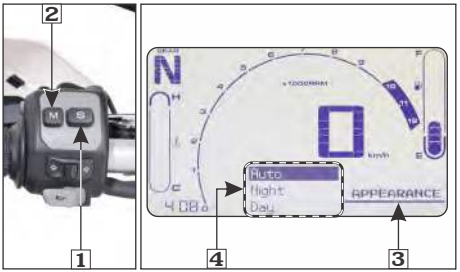
In low fuel condition, range value will not be displayed.

(j) Appearance

Appearance feature allows the user to adjust the brightness level of the LCD display and headlamp **(page 65)**.

Operation : To change the appearance modes, follow the below procedure:

- Turn the ignition switch "ON".
- Keep pressing and releasing mode button (2) until appearance (3) is displayed.
- Long press the set button (1) to get Auto, Night and Day modes display.
- Keep pressing and releasing mode button to scroll the desired mode.
- Now press the set button to select the desired mode.



(1) Set button **(2) Mode button**
(3) Appearance **(4) Appearance modes**

LCD back light brightness based on selected appearance mode:

- Day Mode: Brightness increases.
- Night Mode: Brightness reduces.
- Auto Mode: Brightness automatically changes as per the ambient sensor (sensing the amount of ambient/surrounding light present) located in meter-console.

Headlamp brightness based on selected appearance mode:

For headlamp brightness based on auto, night and day mode, refer **"headlamp dimmer/ pass switch"** topic **(page 65)**.

LOW FUEL INDICATOR

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



(1) Low fuel indicator

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 refilled as soon as the low fuel indicator starts glowing.

NOTE

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

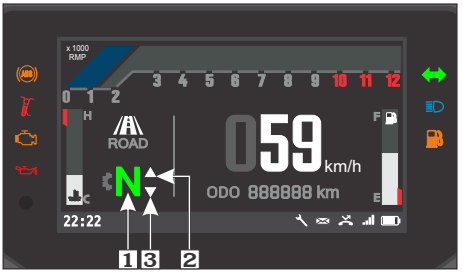
FEATURES

(a) Gear & Shift indication (Top Variant)

Indicates current gear position (1) of your vehicle in which it is running and assists the rider to shift gear for achieving optimum fuel efficiency and best ride experience based on your vehicle engine performance.

It displays following riding instructions :

- **Shift up indicator (2):** it recommends shifting to higher gear.
- **Shift down indicator (3):** it recommends shifting to lower gear.



(1) Gear indicator
(2) Shift up indicator
(3) Shift down indicator

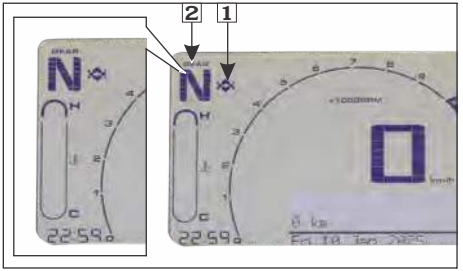
NOTE

- ***Gear indicator displays "N" when your vehicle is in neutral.***
- ***It is recommended to ride your vehicle as per road and traffic conditions.***

(b) Gear up/down advisory (Base Variant)

Gear up/down advisory (1) assists the rider to achieve optimum fuel efficiency.

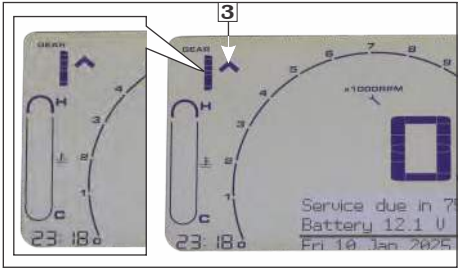
It is displayed beside the gear indicator (2).



(1) Gear up/down advisory
(2) Gear indicator

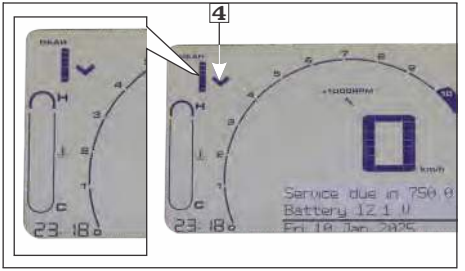
It displays following riding instructions :

- Gear up advisory (3): It recommends shifting to higher gear.



(3) Gear up advisory

- Gear down advisory (4): It recommends shifting to lower gear.



(4) Gear down advisory

NOTE

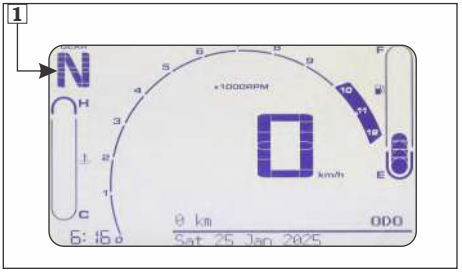
Gear up/down advisory assists the rider to achieve optimum fuel efficiency based on your vehicle's engine performance. It is recommended to ride your vehicle as per road and traffic conditions.

(c) Gear indicator (Base Variant)

Gear indicator (1) indicates current gear position of your vehicle in which it is running.

NOTE

Gear indicator displays "N" when your vehicle is in neutral.



(1) Gear indicator



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

(d) Hero App Application:

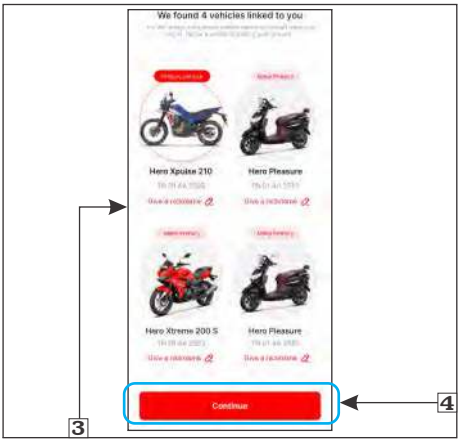
Hero App is available in the google play store (for androids) or App Store (for iOS), which can be installed in your device to access bluetooth, incoming calls alerts, missed call alerts, mobile battery status and message alert and navigation features.

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.
- 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).

NOTE

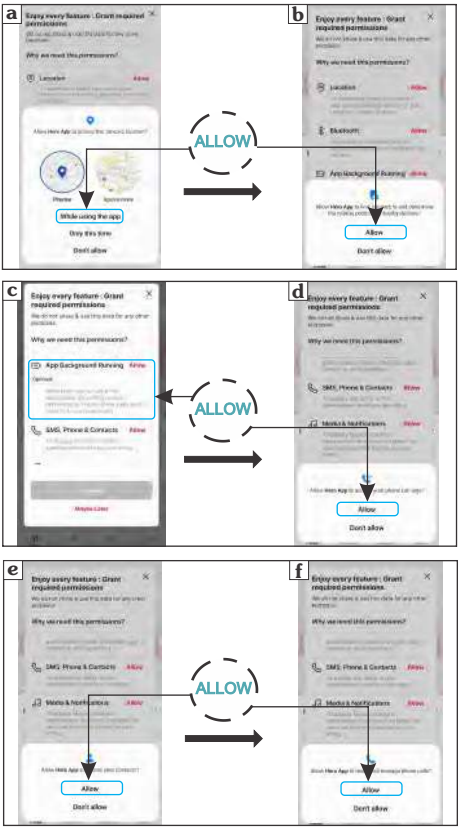
- ***Compatibility and performance of Hero App may vary based on your device and software version.***
- ***Application needs GPS signal, internet and bluetooth connectivity to perform the desired navigation functionality.***

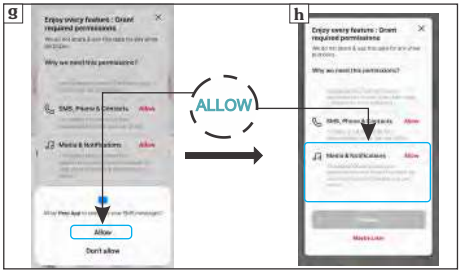


(3) Select vehicle screen **(4) Continue**

- 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.
h. Media & notification



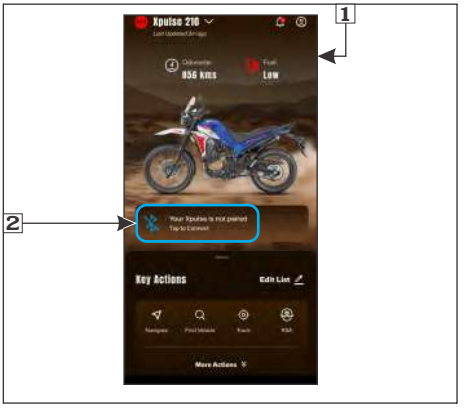


Bluetooth:

Your vehicle is equipped with bluetooth connectivity feature by which you can pair your smartphone with the meter console of your **XPULSE 210** vehicle through Hero App.

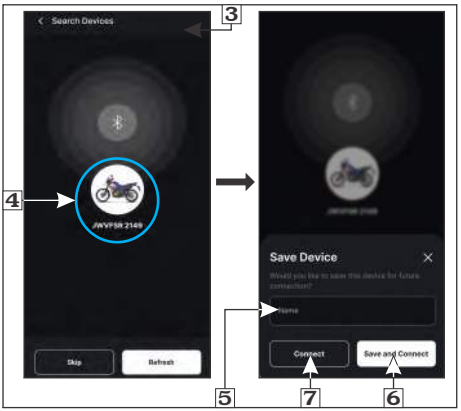
After successful login to Hero App **(page 50)** To connect your device to bluetooth proceed as follows:

- After selecting the vehicle, user can view the Dashboard (1) with Connect button visible.
- After clicking on 'Connect' (2).



(1) Dashboard **(2) Connect**

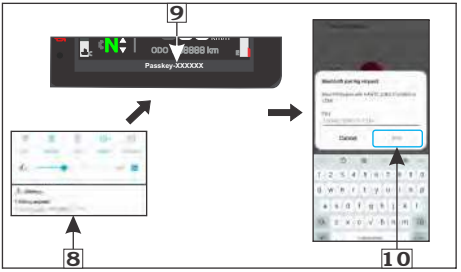
- User will be redirected to the Bluetooth searching screen (3).
- The application searches for a while and displays all compatible nearby devices. Select the device (4).
- Update your name (5) (if required) and select either save and connect (6) or connect (7) to proceed.



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

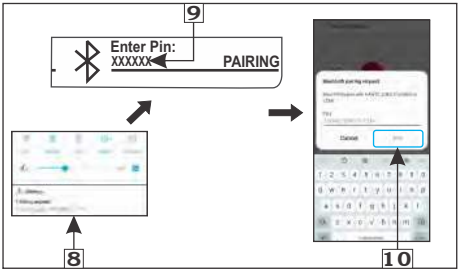
- Now application will send pairing request notification (8). Click on the notification
- Now meter console will display pairing pin (9).
- Enter the pin in application screen and select "Pair" (10).

For Top Variant



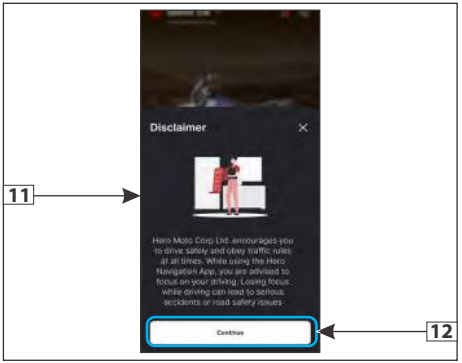
(8) Pairing request notification
(9) Pin **(10) "Pair"**

For Base Variant



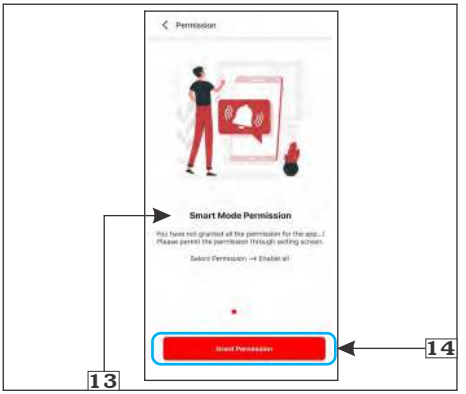
(8) Pairing request notification
(9) Pin **(10) "Pair"**

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



(11) Disclaimer popup (12) Ok

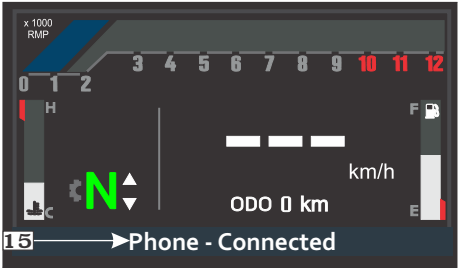
- Now application asks the user to give the smart mode permission (android) (13) for DND mode, where phone will switch to vibrate mode from ringing.
- After granting permission (14) user will be able to access the DND feature.



(13) Smart mode permission
(14) Grant permission

For Top Variant

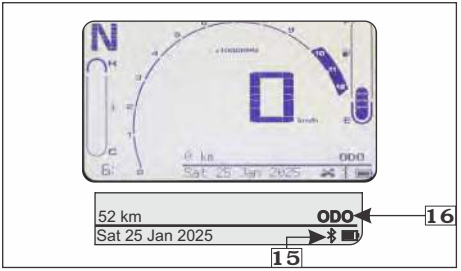
- On pairing, meter console displays “Phone Connected” (15).



(15) Phone Connected

For Base Variant

- On pairing, meter console will connect to your device through bluetooth. Bluetooth symbol (15) is displayed below the odometer symbol (ODO) (16).



(15) Bluetooth symbol (16) Odometer (ODO)

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".***
- ***For iOS devices, unpair the vehicle from the Hero App and then pair again if any feature does not function properly.***

Various features of Hero App are as follows:

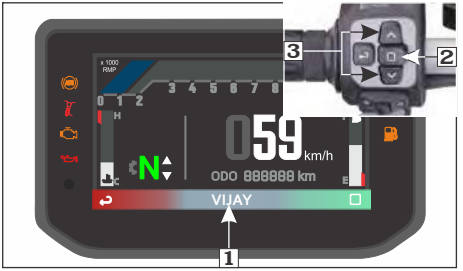
- **Incoming call alert**

When smartphone is paired with the meter console of your vehicle via bluetooth **(page 52)**, then you will get all the incoming calls alerts with caller name (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".

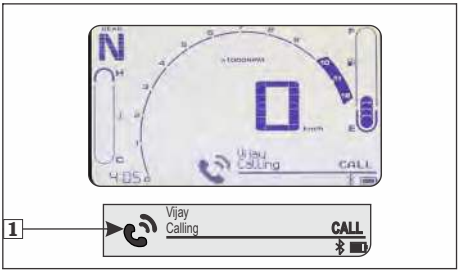
For Top Variant

Incoming calls can be accept by pressing set button (2) and can be rejected by pressing back button (3).



(1) Incoming call alert by name
(2) Set button (3) Back button

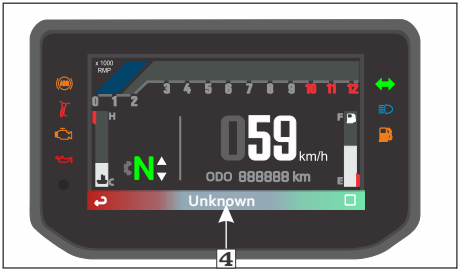
For Base Variant



(1) Incoming call alert by name

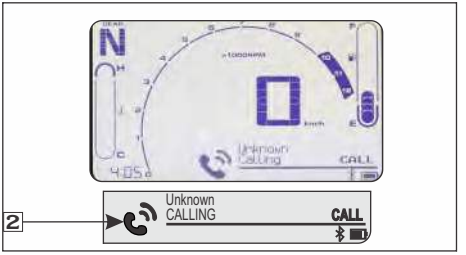
If the number is not saved in your device by name then it will display “unknown” (4).

For Top Variant



(4) Incoming call alert by unknown number

For Base Variant



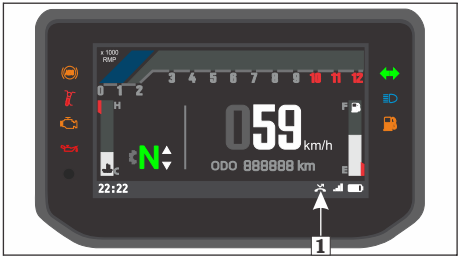
(2) Incoming call alert by unknown number

• Missed call alert

When your smartphone is paired with the meter console of your vehicle via bluetooth **(page 52)**, then you will:

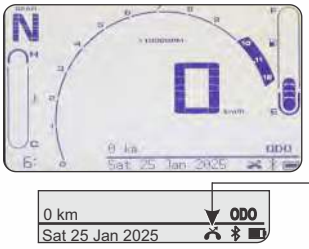
- See missed call alerts (1) on the meter console.
- See missed call count in the dashboard of Hero App (2).

For Top Variant

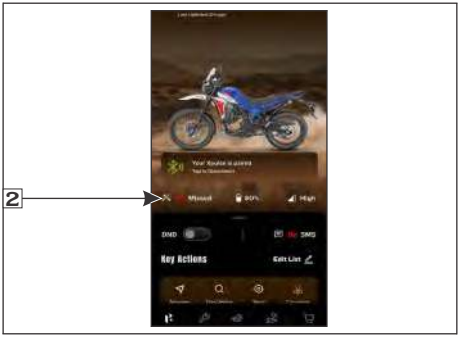


(1) Missed call alert on meter console

For Base Variant



(1) Missed call alert on meter console

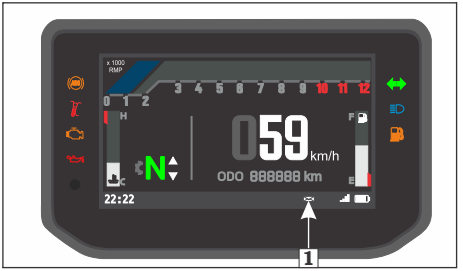


(2) Missed call count on Hero App

- **Message alert**

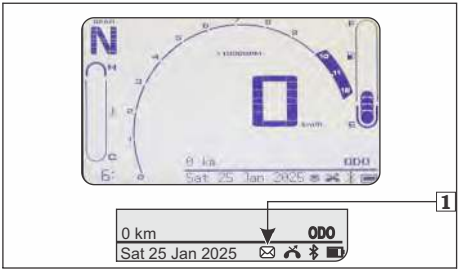
When your smartphone (android) is paired with the meter console of your vehicle via bluetooth **(page 52)**, then you will get all the message alerts (1) on the meter console.

For Top Variant



(1) Message alert

For Base Variant

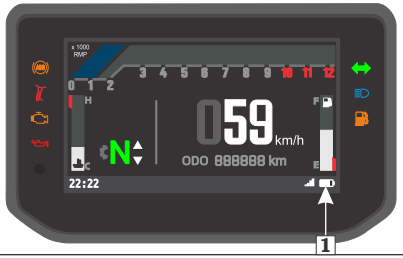


(1) Message alert

- **Phone battery status**

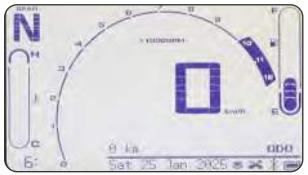
When your smartphone is paired with the meter console of your vehicle via Bluetooth **(page 52)**, then it will display phone battery status (1) of your smartphone on the meter console and in dashboard of Hero App (2). For iOS (16 and above), phone battery status will update after a few seconds.

For Top Variant



(1) Phone battery status on meter console

For Base Variant



(1) Phone battery status on meter console

In dashboard of Hero App:

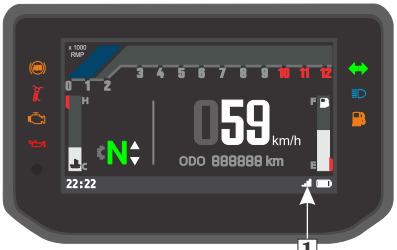
Battery status will display in %.



(2) Phone battery status on Hero App

- **Phone network strength (Top Variant)**

When your smartphone is paired with the meter console of your vehicle via bluetooth **(page 52)** then phone network strength (1) of your smarphone will be displayed on the meter console and in dashboard of Hero App (2). For iOS (16 and above), phone network strength may vary from actual strength.



(1) Phone network strength on meter console



(2) Phone network strength on Hero App

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

When your smartphone is paired with the meter console of your vehicle via bluetooth **(page 52)**, then you can switch "ON" the DND mode (only on 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**

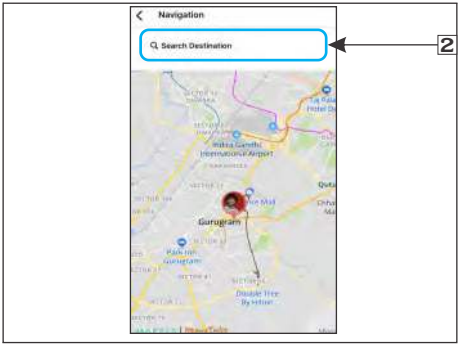
To use navigation feature proceed as follows:

- Connect your vehicle with your Hero App via bluetooth **(page 52)**.
- 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

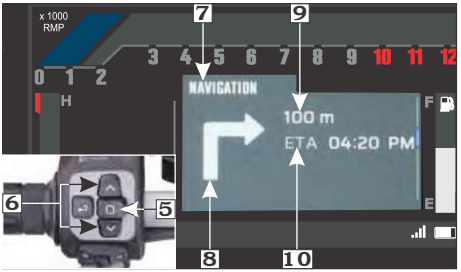
- Application shows the search result (3) of the addresses, User can select the address to find and check the route.
- Once route is found, user has to click on 'Navigate' (4) and the route suggestion will show in the map.

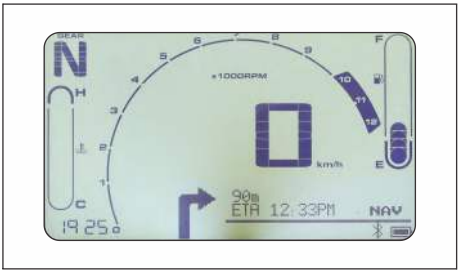


(3) Search result **(4) Navigate**

For Top Variant

- Short press the set button (5) and press the up/down button (6) until the "Navigation" is displayed. User can view the turn by turn navigation in navigation screen (7) on meter console of the vehicle.
- After clicking on navigate, meter console will display the direction (8), distance for next move (9) and estimated time of arrival (ETA) (10). 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 124).**





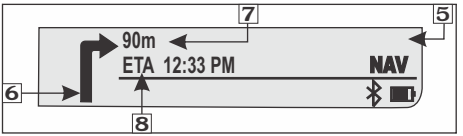
(5) Set button **(6) Up/Down button**
(7) Navigation mode **(8) Direction**
(9) Distance for next move **(10) ETA**

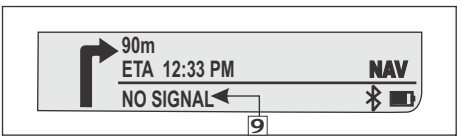
NOTE

At any point, if Navigation system loses signal, then it displays "NO GPS SIGNAL" on meter console when vehicle is in navigation mode.

For Base Variant

- 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 124).**





(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.

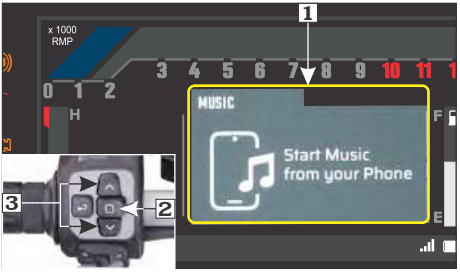
⚠ WARNING

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

- **Music (Top Variant)**

When your smartphone is paired with the meter console of vehicle via bluetooth **(page 52)**, it will display music information on the music screen (1) which is playing on your smartphone.

Short press the set button (2) and press the up/down button (3) until the music screen is displayed.



(1) Music screen **(2) Set button**
(3) Up/Down button

- There are three screens under music screen:

1. Music Main Screen (4)- Displays song title, time duration status, artist name.

Press set button (2) to enter into music control screen (5).

2. Music Control Screen (5)- Displays song title, time duration status, play/pause status.

- Press up/down button (3) to play previous/next music track.
- Short press set button (2) to play/pause the music.
- Long press set button (2) to enter into music pop-up screen (6).

3. Music Pop-Up Screen (6)- Displays volume up, down, mute.

- Press up/down button (3) to play increase/decrease music volume.
- Short press set button (2) to mute the music.

Press back button (7) to return to music control screen (5). Music pop-up screen (6) will timeout in 10 seconds if no user input given.



(4) Music main screen



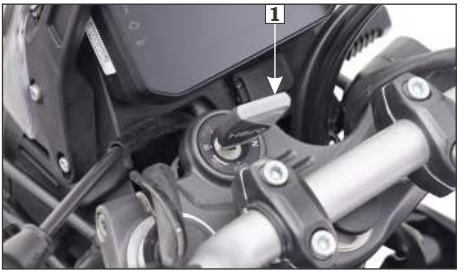
(5) Music control screen
(6) Music pop-up screen
(7) Back button

NOTE

In iOS, Hero App must be actively running for all features to work as intended. If app is closed, some features will not function. However, music, incoming call alert, and message alert features will continue to function.

(e) Steering lock

Steering lock is with the ignition switch, turn the key (1) to "OFF" (⊗) position & turn the handlebar completely towards left or right & push the key downwards & turn towards "Lock" position. After locking, take out the key.



(1) Ignition key

(f) Panic brake signal system

The Panic break signal system is a safety feature to alerts the traffic behind by activating the hazard light when brakes are applied rapidly and severely.

- The system is activated when (vehicle speed is more then 45 km/h and the vehicle deceleration is more than or equal to 6 m/s^2).
- The system shall be de-activated when (the vehicle deceleration has fallen below 2.5 m/s^2).

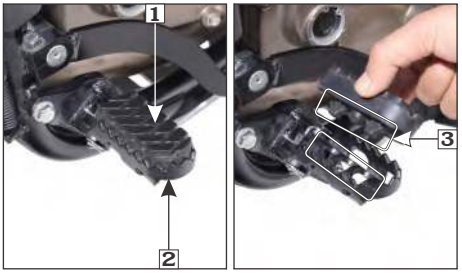
NOTE

- ***Sometimes during panic or hard braking, the lamp can glow for a few seconds and then go "OFF" when the vehicle returns to normal state.***
- ***If the lamp glows continuously when the engine is "ON", stop immediately, switch "OFF" the engine, and contact an authorised*** Hero MotoCorp ***workshop.***

(g) Rider footrest

The rubbers (1) of the rider footrest (2) (both side) are detachable and can be detached for "OFF-ROAD" riding only {refer off-road safety guideline **(page 13)**}.

While installing the rider footrest rubbers, the projections (3) of the rider footrest rubbers must be attached to the rider footrest properly.



(1) Rubbers **(2) Rider footrest**
(3) Projections

HANDLEBAR SWITCHES CONTROL

Left handlebar controls

1. Turn signal lamp switch (⇦⇨)

Shift the turn signal switch (1) 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 the switch inside.

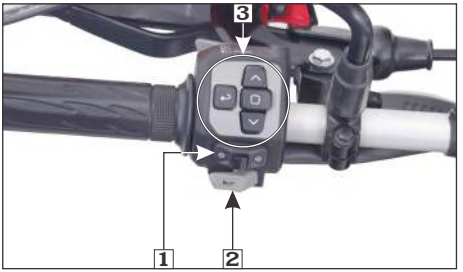
2. Horn switch (📯)

Press the switch to operate the horn (2).

3. Home screen navigator control (Top Variant)

The home screen navigator control (3) is used to operate the following functions of the meter console:

- **Up button–** Scroll the meter console from the bottom to the top.
- **Down button–** Scroll the meter console from the top to the bottom.
- **Back button–** Press the back button to go back to the previous menu and to reject the incoming call.
- **Set button–** Press to confirm selection, accept the incoming call, play/pause the music and mute the music volume.



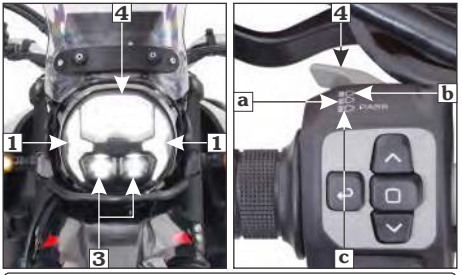
(1) Turn signal lamp switch
(2) Horn switch
(3) Home screen navigator control

⚠ WARNING

- ***It is recommended to use home screen navigator control when the vehicle is in stand still condition.***
- ***Home screen navigator control assists you to control the meter console home screens, don't be distracted while driving.***

4. Headlamp dimmer/Pass switch

Headlamp is equipped with a day time running lamp (DRL) to enhance the day light time visibility of the vehicle to other road users.

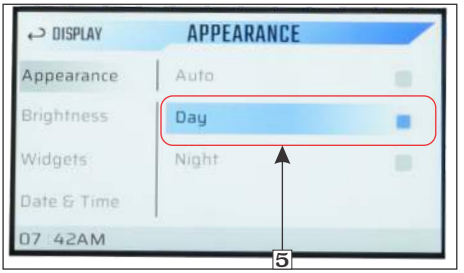


(1) Position lamp/Daytime running lamp (DRL)
(2) Headlamp dimmer switch
(3) Low beam
(4) High beam
(a) **(b)** **(c) PASS**

Headlamp dimmer/pass switch (4) has three following positions. The three positions of headlamp dimmer/pass switch "", "" and " **PASS** " function differently based on day, night and auto mode as follows:

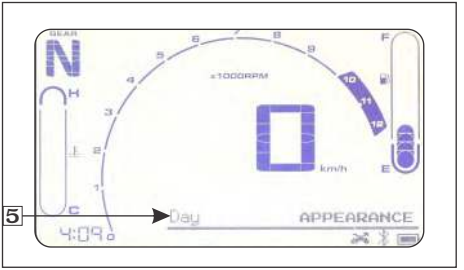
I) When appearance is set to day mode (5) (page 37 Top Variant)/(page 47 Base Variant).

For Top Variant



(5) Day mode

For Base Variant



(5) Day mode

When the ignition switch is turned “ON”, the position lamp will illuminate.

Once the engine is turned “ON” and the headlamp dimmer/pass switch is set to “ ” (a) position, the DRL (1) will illuminate.

- DRL will be “ON”.
- High beam will be “OFF”.
- Low beam will be “OFF”.

In engine running condition, when the headlamp dimmer/pass switch is set to “ ” (b) position, the DRL (1) will illuminate.

- DRL will be “ON”.
- High beam will be “OFF”.
- Low beam will be “OFF”.

PASS

In engine running condition, when headlamp dimmer/pass switch “**PASS**”, (c) position is pressed:

- High beam (4) will be “ON” till the time it is pressed.
- Low beam (3) will be “ON” till the time it is pressed.
- DRL (1) will be “ON”.

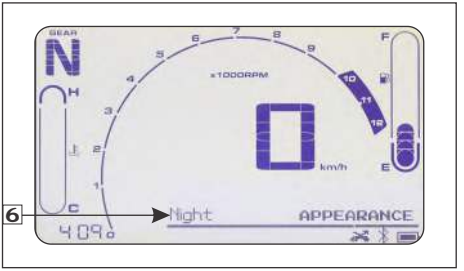
II) When appearance is set to night mode (6) (page 37 Top Variant)/(page 47 Base Variant).

For Top Variant



(6) Night mode

For Base Variant



(6) Night mode

In engine running condition, when headlamp dimmer/pass switch is set to " " (a) position, low beam (3) and position lamp (1) will be "ON".

In engine running condition, when headlamp dimmer/pass switch is set to " " (b) position. High beam (4), low beam (3) and position lamp (1) will be "ON".

PASS

In engine running condition, when headlamp dimmer/pass switch "**PASS**", (c) position is pressed:

- High beam (4) will be "ON" till the time it is pressed.
- Low beam (3) will be "ON".
- Position lamp (1) will be "ON".

III) When appearance is set to auto mode (7) (page 37 Top Variant)/(page 47 Base Variant).

Once the appearance is in auto mode, headlamp illuminates as per the lighting condition around the vehicle.

WARNING

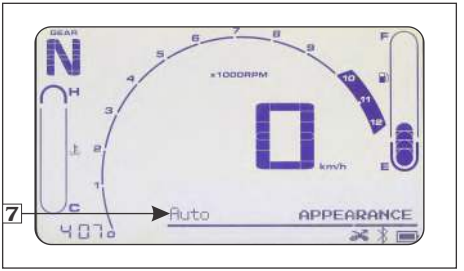
It is recommended to use the dimmer/pass switch positions " ", " ", "PASS" and day/auto/night modes as per the visibility, road and traffic conditions.

For Top Variant



(7) Auto mode

For Base Variant



(7) Auto mode

Right handlebar controls

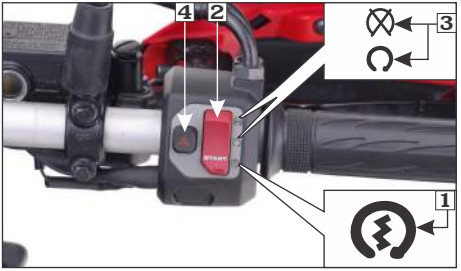
1. Integrated start-kill switch

(a) Electric starter operation (⊛)

Press the electric starter (⊛) (1) of integrated start-kill switch (2) downwards to start the vehicle. Ensure the electric starter operation is done when the vehicle transmission is in neutral. If the vehicle is engaged in gear, press the clutch lever before electric starter (⊛) operation. Release switch after the engine has started.

! CAUTION

Never hold electric starter (⊛) of integrated start-kill switch continuously more than 5 seconds as continuous cranking of engine will discharge the battery.



(1) Electric starter
(2) Integrated start-kill switch
(3) Engine stop (ON/OFF)
(4) Hazard switch

(b) Engine stop switch operation

For engine stop operation (3) integrated start-kill switch (1) has two positions. In "ON" (Ω) position, engine will operate and in "OFF" (⊗) position, engine will not operate. The prime function of it is to stop the engine during emergency (Vehicle tip over, throttle cable stuck etc.). The switch should normally remain in "ON" (Ω) position. During emergency, put the switch to "OFF" (⊗) position.

⚠ WARNING

While riding the vehicle in normal condition, do not press the "Integrated start-kill switch to "OFF" (⊗) position to avoid any damage (Wheel locking leading to accident, part damage, battery discharge etc.).

2. Hazard switch (⚠)

Press the hazard switch (4) in ignition "ON" condition whenever your vehicle becomes a temporary hazard for other road users and it is necessary to park the vehicle due to breakdown or other unavoidable problems.

Upon pressing the hazard switch, all turn signal lamps start flashing simultaneously to warn other road users behind you of a hazard or obstruction ahead.

To turn "OFF" the indicator lamps in hazard switch "ON" condition, press the hazard switch again.

NOTE

Use hazard lights only when your vehicle becomes a temporary hazard for other road users.

ABS INDICATOR

When the ignition switch is turned "ON" (Ω) the ABS indicator normally comes on for approx 1.8 seconds and then keeps blinking until the vehicle attains speed of 5 km/h (3.1 mph) ABS indicator lamp should turns "OFF", (ABS) It indicates that ABS system is OK.

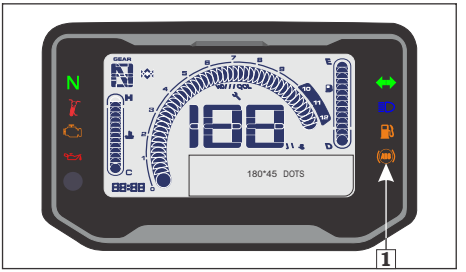
If it remains "ON" continuously It indicates that the ABS is in "Off-road" mode (The brake system will function without ABS) in this case reduce the speed and carefully stop the vehicle turn the ignition switch "Off" and "ON" Ride the vehicle again to a speed above 5 km/h (3.1 mph) if still ABS indicator remains "ON" continuously It means there is an abnormality in the ABS system, it is recommended to reduce the speed and ride to the Authorized Hero MotoCorp workshop for check-up.

For Top Variant



(1) ABS indicator

For Base Variant



(1) ABS indicator

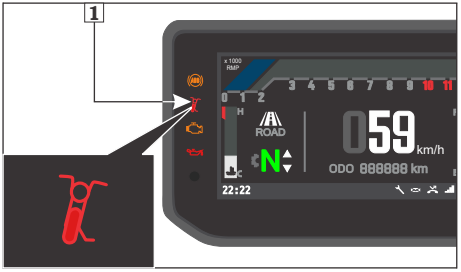
⚠ WARNING

- ***The Anti-lock braking system of the wheel does not prevent falls while cornering.***
- ***An emergency braking with the vehicle inclined, handlebar turned, on uneven or slippery roads, or with poor grip, creates a lack of stability difficulty to handle. Ride carefully and sensibly and always brake gradually.***
- ***Do not speed recklessly. The vehicle grip on the road is subject to laws of physics which not even the ABS system can eliminate.***

SIDE STAND INDICATOR/SWITCH

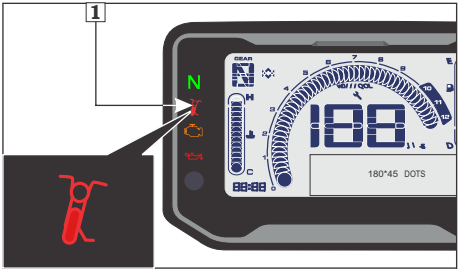
For the safety of the customer a side stand indicator (1) is provided.

For Top Variant



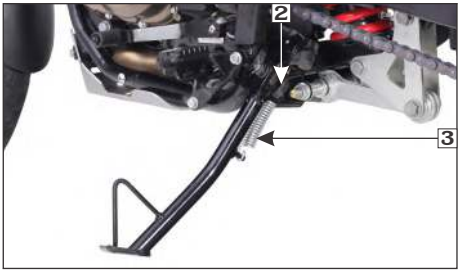
(1) Side stand indicator

For Base Variant



(1) Side stand indicator

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.



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

- 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.
- While the side stand is up, the side stand indicator (1) should not glow.
- If the side stand indicator (1) does not operate as described in above steps, please visit your Authorised Hero MotoCorp workshop.

! 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:

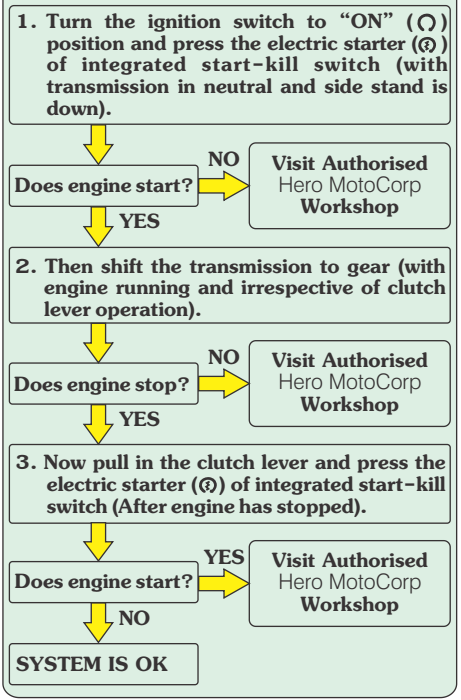
- It prevents starting the engine when transmission is in gear (irrespective of clutch lever operation) and side stand is down.
- It stops the running engine when transmission is in gear (irrespective of clutch lever operation) and side stand is moved down.

⚠ WARNING

"Side stand engine kill" system is not affected by clutch lever operation.

To inspect the functionality of this feature, park the vehicle upright on a level ground and check all the conditions described in the inspection flow diagram:

INSPECTION FLOW DIAGRAM



If your vehicle doesn't operate as described in above flow diagram, please visit your Authorised Hero MotoCorp workshop.

WARNING

Regularly inspect the functionality of "Side stand engine kill" feature and in case of any malfunction visit Authorised Hero MotoCorp ***workshop.***

FUEL

(a) Fuel tank

Fuel tank capacity is 13.0 litres (Be sure to fill the fuel tank when low fuel indicator glows).

- To unlock fuel tank cap, lift the key hole cover (1), insert key (2) turn it clockwise and lift open the cap (3).

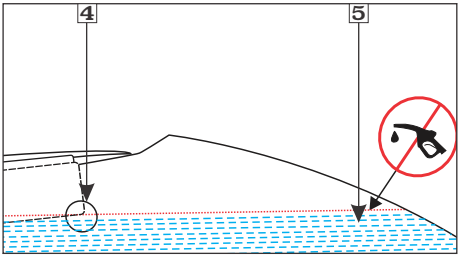


(1) Key hole cover **(2) Ignition key**

- Do not overfill the tank. There should be no fuel in filler neck (4). Fill the tank with fuel (5) as shown.
- To lock fuel tank cap, close the cap back on the opening and press gently. The key springs back to the normal position and cap gets locked.



(3) Fuel tank cap



(4) Filler neck **(5) Fuel**

- Remove the key and put back the keyhole cover.

CAUTION

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

WARNING

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

(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.

D.1/ sticker on fuel tank indicates that the vehicle parts are compliant up to the blend of "20% ethanol with petrol".



(1) E20 sticker **(2) Fuel tank**

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.***

SEAT LOCK

Location: On the left side of the rear cowl, near to rear grip mounting.

Operation: Insert the ignition key (1) and turn is clockwise to unlock the seat. To install, engage the hook on the underside of the seat with the frame and slide the seat to the front until the lock clicks.



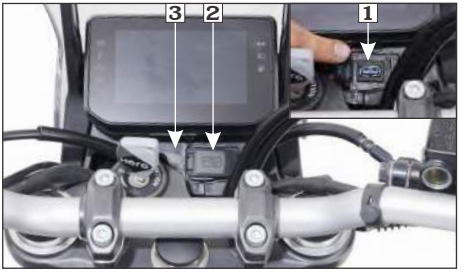
(1) Ignition key

USB CHARGER

A USB charger (1) with a cap (2) is mounted on the inner panel (3) to charge your mobile phone safely while riding.

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



(1) USB charger
(2) Cap
(3) Inner panel

! 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 vehicle, 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.***

PRE- RIDE INSPECTION

A pre-ride inspection is thorough inspection of vehicle that rider must perform before riding the vehicle to enhance riding comfort and safety.

It is rider's responsibility to perform a pre-ride inspection and ensure that any problem found is corrected before riding.

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

Before on-road riding or returning to pavement after riding off-road, take some time to check the vehicle for any loose parts or anything that appears unusual. The items listed here will only take a few minutes, and in the long run they can save time, expense, and possibly your life. Please follow the tips as given below:

- **Engine oil level-**Check and top up engine oil if required **(page 88).** Check for leaks.
- **Malfunction indicator lamp (MIL)-** When the ignition switch is turned "ON" the malfunction indicator lamp (MIL) glows continuously and then should go "OFF" once the engine is started.
- **Fuel level-**Ensure sufficient fuel is available in your fuel tank for journey **(page 27)**. Check for leaks.
- **Low fuel indicator-**Vehicle should not be operated with low fuel indicator glowing continuously **(page 47)**.
- **Front brake-**Check for correct brake fluid level in master cylinder/reservoir **(page 102).**
- **ABS indicator-**Check ABS indicator for proper functioning of ABS **(page 69).**
- **Rear brake-**Check for correct brake fluid level in the reservoir **(page 103).**

- **Tyres-**Check condition and pressure **(page 110).**
- **Clutch-**Check for smooth operation. Adjust free play if necessary **(page 96).**
- **Drive chain-**Check condition and slackness **(page 98).** Lubricate if necessary.
- **Throttle-**Check for smooth opening and closing in all steering positions **(page 98)**.
- **Lamps & Horn-**Check that headlamp, daytime running light, 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.
- **Integrated start-kill switch-**Check for proper functionality **(page 76)**.
- **Fitting & Fasteners-**Check & tighten if necessary.
- **Suspension-**Check the suspension for leakage and clean it if dust or any foreign substance are stuck on it.
- **Steering-**Check for smooth action and for easy maneuverability.
- **Side stand-**Check for proper functionality **(page 70).**

Before riding off-road, check following points along with all other pre-ride inspection points:

- Make sure the spokes are tight.
- Check the rims for any damage.
- Make sure the fuel tank cap is securely fastened.
- Check the vehicle thoroughly for loose cables and other parts, anything that appears abnormal.
- Check all accessible nuts, bolts and fasteners, if found loose, contact an Authorized Hero MotoCorp workshop to get them tightened to specified torque.

STARTING THE ENGINE

Always follow the proper starting procedure described below :

- To protect the catalytic converter in your vehicle's exhaust system.
  - Avoid extended idling.
  - Avoid use of leaded petrol.
- Your vehicle's exhaust contains poisonous carbon monoxide gas. High levels of carbon monoxide can collect rapidly in enclosed areas such as garage. Do not run the engine with the garage door closed.

! CAUTION

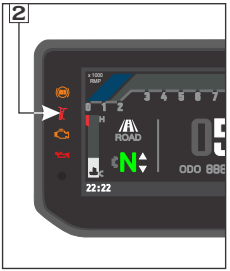
- ***Never hold electric starter (⊛) of integrated start-kill switch continuously for more than 5 seconds as continuous cranking of engine will discharge the battery.***
- ***This vehicle is equipped with a side stand engine kill feature (page 71).***

Preparation

Before starting insert the key and follow the below mentioned procedure :

- Turn the ignition switch (1) "ON" position.
- Confirm that the malfunction indicator lamp (MIL) (2) glows continuously and then goes "OFF" once the engine is started.



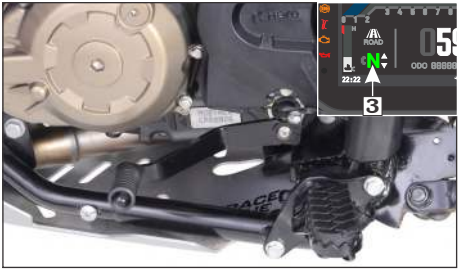


(1) Ignition switch
(2) Malfunction indicator lamp (MIL)

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.***

- Find neutral position & check neutral (N) indicator (3) on instrument console with ignition "ON".



(3) Neutral indicator

- Make sure that the integrated start-kill switch (4) is at "ON" (Ω) position.



(4) Integrated start-kill switch

Starting procedure

Press the electric starter ( ) of integrated start-kill switch with fully closed throttle.

CAUTION

Do not open excessive throttle when engine is idling and the vehicle is parked, as it may lead to overheating and damage to engine and exhaust system components.

NOTE

- ***This vehicle has a fuel-injected engine with an idle air control valve (IACV).***
- ***It is not recommended to start engine with throttle.***
- ***Engine will not start if throttle is kept fully open.***

Flooded engine

If the engine fails to start after repeated attempts, it may be flooded with excess fuel.

1. Open the throttle fully.
2. Press the electric starter ( ) of integrated start-kill switch for 5 seconds.
3. Follow the normal starting procedure.
4. If the engine starts with unstable idle, open the throttle slightly.
5. If the engine does not start wait for 10 seconds, then follow first 3 steps again.

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

Help assure 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.

NOTE

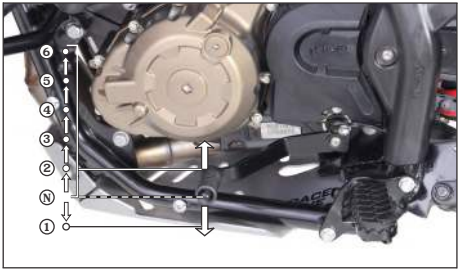
- ***To start the engine if any gear is engaged, press the clutch lever and press the integrated start-kill switch.***
- ***Do not open the throttle while starting the vehicle.***

WARNING

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

RIDING

- Excessively revving the engine during cold condition can reduce engine life.
- While the engine is idling, press the clutch lever and depress the gearshift pedal downwards using the toe to shift into 1st gear.
- Slowly release the clutch lever and at the same time, gradually increase engine speed by opening the throttle. Coordination of the throttle and clutch lever will assure a smooth positive start.
- When the vehicle attains a moderate speed, close the throttle, press the clutch lever and shift to 2nd gear by placing the toe on the underside of gear pedal and lifting upwards.
- This sequence is repeated progressively to shift to 3rd, 4th, 5thand 6th gear.



! CAUTION

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

BRAKING

Anti-lock braking system (ABS)

This model is equipped with Anti-lock braking system (ABS) which enhances active safety by helping prevent locking up of both 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 maneuverability–on road surfaces.

The ABS system is self-regulating and always active once vehicle speed exceeds 5 km/h provided ABS indicator lamp is "OFF" on the meter console.

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

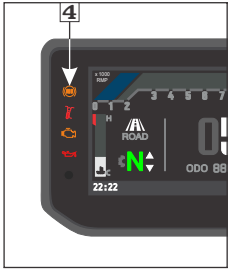
The system has a wheel speed sensor on the wheels (1) & (2), a hydraulic electronic control unit (HECU) (3), and an ABS indicator lamp (4) on meter console.





(1) Front wheel speed sensor
(2) Rear wheel speed sensor (Top variant)





(3) Hydraulic electronic control unit (HECU)
(4) ABS indicator

Whenever you ride your vehicle, **Wheel speed sensor** generates the rotation of wheel signal to **Hydraulic electronic control unit (HECU)**. Then HECU calculates the speed of the wheel & vehicle, HECU becomes active when vehicle speed exceeds 5 km/h.

Now whenever you will apply front or rear brake, ABS will come into picture based on the input from respective wheel speed sensor, if wheel is getting locked, HECU will modulate the pressure at respective caliper thus avoiding wheel to lock and in turn resulting in 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.
- Rider is recommended not to ride at high speed when the brakes get wet. If brake gets wet, apply the brake while riding at low speed until the brakes are 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 Sensor ring damage/bend.
- After riding "OFF-ROAD" always ensure to switch the ABS mode before returning back on road.
- Use only the recommended make, type, size of tyre and maintain specified tyre pressure **(page 110).**

- 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 by 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.***

WARNING

- ***During extreme riding conditons, sometimes it is not possible to balance the vehicle (example- luggage loaded with higher center of gravity, varying road surfaces, hard braking without disengaging the gear).***
- ***Adapt your riding style to the road conditions and your riding ability as well.***

PARKING

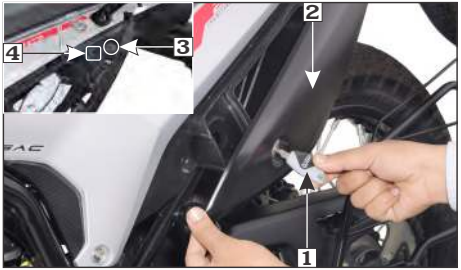
After stopping the vehicle, shift the transmission to neutral, turn the ignition switch "OFF" (⊗), park the vehicle on side stand, lock the steering and remove the key.

! CAUTION

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

UTILITY BOX

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



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

To open, insert the key (1), rotate it clockwise, pull the cover (2) and disengage the lug (3) from the grommet (4).

To close, engage the lug into the grommet. Hold the key in clockwise direction and release the key.

TOOL KIT/FIRST AID KIT

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



(1) Tool kit (2) First aid kit

Kit contains one unit of each of the following tools:

- Tool bag
- +, – No. 2 Driver
- Grip
- Allen key 6 mm
- Allen key 4 mm
- Hand wrench spark plug
- Fuse puller
- Film protector frame

The first aid kit (2) is stored in the utility box. For some emergency first aid can be performed by medicine contained in the kit.
Kit contains one unit of each of the following tools:

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

CLEANING AND WASHING OF VEHICLE

Follow the below mentioned steps for washing the vehicle.

- Wet the vehicle with light water spray. Avoid directing high pressure water spray to meter console, muffler outlets, electrical parts and radiator.
- Clean the headlamp lens and other plastic parts using a cloth or sponge dampened with a solution of mild detergent and water.
- After cleaning, spray water thoroughly.
- Dry the vehicle by wiping with dry soft cloth.

NOTE

- ***Our Authorised dealerships take all above mentioned precautions like usage of recommended detergents to ensure quality wash.***
- ***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.

MAINTENANCE

The importance of maintenance

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

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

These instructions are based on the assumption that the vehicle will be used exclusively for its designed purpose. Sustained high speed operation or operation in unusually wet or dusty conditions will require more frequent service than specified in the maintenance schedule. Consult your Authorised Hero MotoCorp dealer for recommendation 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 a crash in which you can be seriously hurt or killed.***
- ***Always follow the inspection and maintenance recommendations and schedules in this owner's manual.***

Maintenance safety

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

Other tasks that are more difficult and require special tools are best performed by professionals. 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.***

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 a service stand.
- To reduce the possibility of a fire or explosion, be careful when working around petrol or batteries. Use only nonflammable solvent, not petrol, to clean parts. Keep cigarettes, sparks and flames away from the battery and all fuel–related parts.

Remember that your Authorised 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 75)** at each scheduled maintenance period.

I: INSPECT C: CLEAN R: REPLACE A: ADJUST L: LUBRICATE T: TOP UP

E: EMISSION CHECK

The following maintenance schedule specifies all maintenance required to keep your vehicle in peak operating condition. Maintenance work should be performed in accordance with standards and specifications of Hero MotoCorp by properly trained and equipped technicians. Your Authorised Hero MotoCorp workshop meets all of these requirements.

Ensure that each paid service is availed within **180** days or **6000** 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 : Replace air cleaner element once in every **12000** km or early replacement may be required when riding in dusty areas.

Note-3 : Inspect, adjust the spark plug and replace in every **12000** km.

Note-4 : Inspect and adjust in every **12000** km.

Note-5 : Replace engine oil at 1st service and in every **12000** km. Top up if the oil level is at or near the lower level mark.

Note-6 : Visit Authorised Hero MotoCorp workshop for inspection, cleaning, lubrication and adjustment of drive chain at every **700** km.

Note-7 : Inspect in every service and replace as per wear indicator.

Note-8 : Replace brake fluid once in every two years or **30000** km, whichever is earlier.

Note-9 : Inspect & maintain specified torque of nuts, bolts & fasteners. Inspect grommets and replace if damaged.

Note-10 : Inspect the wheel bearings free play, replace if necessary.

Note-11 : Visit Authorized dealer for inspection, cleaning and adjustment of spokes as per schedule or when required. Replace tyre as per Tyre Wear Indicator (TWI).

Note-12 : Replace rubber washer once in every 2 years or **12000** km.

Note-13 : Replace front fork oil once in a every 2 years or **30000** km, whichever is earlier.

Note-14 : Inspect rear suspension, mounting bushes play, linkage assembly and lubricate or replace if necessary.

Note-15 : Check CO emission at idle.

Note-16 : Inspect the canister hoses for deterioration, damage or loose connections and canister for cracks or other damages.

Note-17 : Inspect rear wheel damper and replace if damaged.

Note-18 : Replace the radiator coolant in every 2 years or **24000** km, whichever is earlier. Inspect and top up with Hero pre-mix coolant if required.

Note

- Service more frequently if the vehicle is ridden in wet or dusty areas.
- Service more frequently if the vehicle is ridden in rain or at full throttle.
- Always wipe the water off the vehicle after washing. Use clean soft cloth or pressurized air for completely drying the water.
- Always replace gaskets, O-rings, circlips and cotter pins with new one 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			DURING PAID SERVICE PERIOD ONCE IN EVERY 6000 KM	
		SERVICE	1st	2nd	3rd		
		DAYS	1st 60	Next 180	Next 180		
		KM Note-1	500-750	6000-6500	12000-12500	6000	12000
	Fuel Line		I	I	I	I	I
	Throttle Operation		I, A	I, A	I, A	I, A	I, A
	Air Cleaner Element	Note-2	I	I	R	I	R
	Spark Plug	Note-3	I, C, A	I, C, A	R	I, C, A	R
	Valve Clearance	Note-4	I, A	-	I, A	-	I, A
	Engine Oil	Note-5	R	I, T	R	I, T	R
	Engine Oil filter		R	-	R	-	R
	Radiator and Hoses		I	I	I	I	I
	Electric Starter		I	I	I	I	I
	Oil Pressure Indicator		I	I	I	I	I
	Drive Chain	Note-6	I, C, L, A at every 700 km or early as required			I, C, L, A at every 700 km or early as required	
	Drive Chain Slider	Note-7	I	I	I	I	I
	Battery Voltage		I	I	I	I	I
	Brake Pad Wear	Note-7	I	I	I	I	I
	Brake System & Brake Pedal		I, C, L	I, C, L	I, C, L	I, C, L	I, C, L

	ITEMS	WHICHEVER COMES FIRST	#DURING FREE SERVICE PERIOD			DURING PAID SERVICE PERIOD ONCE IN EVERY 6000 KM	
		SERVICE	1st	2nd	3rd		
		DAYS	1st 60	Next 180	Next 180		
		KM Note-1	500-750	6000-6500	12000-12500	6000	12000
	Brake Fluid	Note-8	I	I	I	I	I
	Stop Lamp Switch		I	I	I	I	I
	Headlamp Focus		I, A	I, A	I, A	I, A	I, A
	Clutch Lever Free Play		I, A	I, A	I, A	I, A	I, A
	Side Stand		C, L	C, L	C, L	C, L	C, L
	Side Stand Switch		I	I	I	I	I
	Nut, Bolts, Fasteners & Grommets	Note-9	I	I	I	I	I
	Wheels Bearings & Flange Bearing	Note-10	I	I	I	I	I
	Wheel/Spokes/Tyres	Note-11	I	I	I, C, A	I	I, C, A
	Steering Head Bearing	Note-12	I	I	I, C, L, A	I	I, C, L, A
	Front Suspension/Oil	Note-13	I	I	I	I	I
	Rear Suspension & Linkage assembly	Note-14	I	I	I	I	I
	Muffler (Catalytic Converter)	Note-15	-	I, E	I, E	I, E	I, E
	Evaporative Emission Control System	Note-16	I	I	I	I	I
	Rear Wheel Damper	Note-17	I	-	I	-	I
	Radiator Coolant	Note-18	Replacement every 2 year or 24000 km, whichever is earlier				
	Cooling System		I	I	I	I	I
	Fuel Filter (External)		-	-	R	-	R
	Radiator Fins and Heat Shield		I	I	I	I	I

ENGINE OIL

Use hero genuine engine oil or recommended grade oil.

BRAND: Hero Xotic+

GRADE: SAE 10W 30 SL MA2 fully synthetic PAO based oil.

Manufactured by:

Indian Oil Corporation Limited.

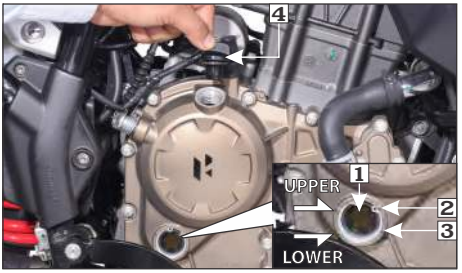
OIL CAPACITY :

- **1650 ml (at disassembly)**
- **1350 ml (at draining with oil filter replacement)**
- **1250 ml (at draining without oil filter replacement)**

Engine oil level inspection/ Top up process

Check engine oil level each day before operating the vehicle. The oil level window (1) is on the right crankcase cover for measuring oil level. Oil level must be maintained between the upper (2) and lower (3) level marks on the oil level window.

- Add the specified oil by removing the oil filler cap (4) and filling till the upper level mark (2). Do not overfill.



(1) Oil level window (2) Upper level mark (3) Lower level mark (4) Oil filler cap

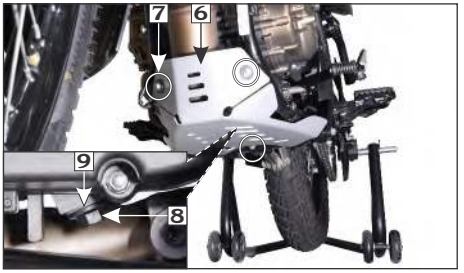
- Do top up if oil level reaches towards the lower level mark or every 6000 km whichever is earlier.
- Park the vehicle upright on a level ground.
- Start the engine & let it idle for 3-5 minutes.
- Stop the engine and wait for 2-3 minutes.
- Check the oil level in the oil level window.
- If required, add the specified oil up to the upper level mark. Do not overfill.
- Reinstall oil filler cap with new O-ring (5) and check for oil leaks.



(5) O-ring

Engine oil replacement

- Start the engine, warm it up for several minutes and then turn it off.
- Wait for a few minutes until the oil settles down.
- Remove the bash plate bolts (6) and bash plate (7).
- To drain the oil, remove the oil filler cap, drain bolt (8) and sealing washer (9).



(6) Bash plate bolts (7) Bash plate
(8) Drain bolt (9) Sealing washer

- After the oil is completely drained, reinstall the drain bolt (8) with a new sealing washer (9).
- Fill the crankcase through the oil filler hole with 1250 ml (approximately) of the recommended grade oil as the right crankcase cover is not removed.
- Reinstall the oil level filler cap with a new O-ring.
- Start the engine and allow it to idle for few minutes.
- Stop the engine and let the engine oil settle down.
- Recheck the oil level.
- Make sure that oil level is at the "UPPER" level mark of the oil level window with the vehicle in an upright position and that there are no oil leaks.

! CAUTION

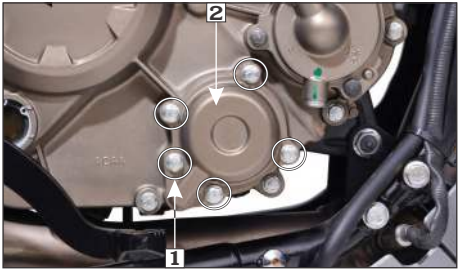
- ***Engine oil is a major factor affecting the engine performance and lifespan of the engine. Non-detergent, vegetable or castor based racing oils are not recommended.***
- ***Running the engine with insufficient oil can cause serious engine damage.***
- ***Running the engine with excessive oil can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

ENGINE OIL FILTER ELEMENT

NOTE

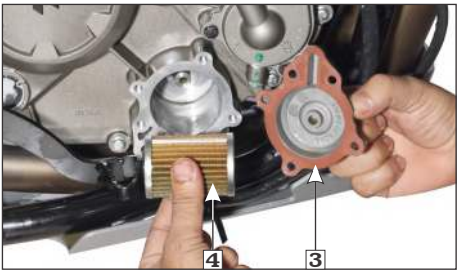
Drain the engine oil thoroughly (page 48) in case of engine oil filter element replacement.

- Remove the mounting bolts (1).
- Remove the engine oil filter element cover (2) with gasket (3).



(1) Mounting bolts
(2) Engine oil filter element cover

- Remove the engine oil filter element (4) from the cover.
- Replace the engine oil filter element.



(3) Gasket
(4) Engine oil filter element



(4) Engine oil filter element

NOTE

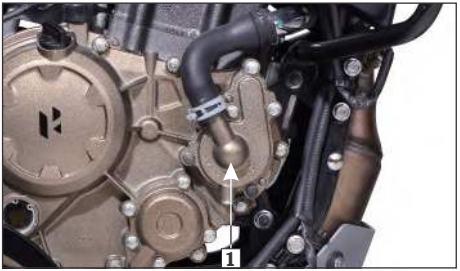
- ***When the engine oil filter element is replaced, always replace the gasket with the new one.***
- ***Make sure that gasket is properly seated.***
- ***Inspect and replace engine oil filter element as specified in the maintenance schedule.***

- Installation is in the reverse order of removal.

COOLING SYSTEM

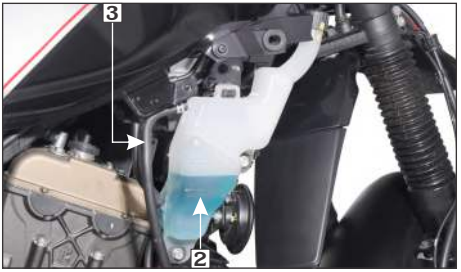
This model is equipped with liquid cooling system that uses coolant to cool the engine.

- 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 rises, high pressure coolant is released from radiator to overflow bottle (2) through overflow bottle hose (3).
- When the temperature reduces, this surplus coolant is sucked back into the radiator through the overflow bottle hose.



(2) Overflow bottle (3) Overflow bottle hose

NOTE

- ***Radiator fan is turned "ON" or "OFF" as per the engine coolant temperature.***
- ***When engine temperature is 95°C or more, then radiator fan will be turned on and will be turned off when it cools down to 90°C or below.***
- ***During the fan working condition, if the ignition key is turned off, then the fan may still be on for 10-20 seconds depending upon the engine temperature.***

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 between hot parts (muffler, radiator, engine) and fairing.***
- ***Do not obstruct engine cooling by adding mud protection sheet from front.***

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 : 1050 ml
Coolant capacity in :
a) Radiator & engine : 800 ml
b) Overflow tank : 250 ml

Rider should check the coolant level in the overflow bottle (1) before every ride. The coolant level must be between "F" (4) and "L" (3) level mark.

Coolant Top-up

- Place the vehicle on a leveled surface and hold it in the upright position.
- 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 (3), remove the overflow bottle cap (2).
- Add coolant up to the "F" (full level) mark (4) through the overflow bottle cap and then install the cap.



(1) Overflow bottle (2) Overflow bottle cap
(3) Coolant low level (L) mark
(4) Coolant full level (F) mark

NOTE

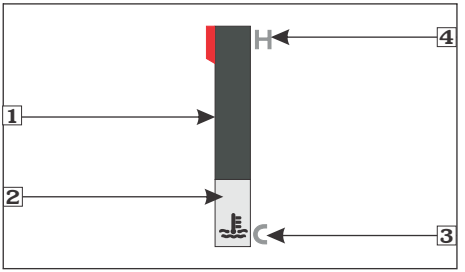
Make sure the cooling system is filled with a genuine Hero pre-mix coolant.

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 nitrile 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.***

Engine coolant temperature indicator

Coolant temperature indicator (1) indicates the coolant temperature.



(1) Engine coolant temperature indicator
(2) Segment (3) Cold (4) Hot

Engine coolant temperature indicator display as segment, which is divided into 7 bars of diplay. The digital bar (2) will swing to maximum scale on the meter console once the ignition switch is turned "ON" (O) and comes back as per the engine coolant temperature. Coolant will be hotter as more bar light-up.

- If up to 2 bars are displayed, engine is cold "C" (3).
- If 3-5 bars are displayed, engine is within operating temperature range..
- If 6-7 bars are displayed, engine is hot "H" (4).

⚠ WARNING

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

- ***Once coolant temperature indicator reaches 6 bar, system will not allow vehicle to go beyond 6000 r/min.***
  If vehicle is still running, engine will be cut-off and MIL will be "ON".
  In that case, 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 following problems reoccur, then stop the vehicle and immediately contact an Authorized Hero MotoCorp ***workshop:***
  - ***MIL is still "ON".***
  - ***The vehicle does not start.***
  - ***The coolant temperature rises quickly.***
- ***It is recommended to immediately contact an Authorized*** Hero MotoCorp ***workshop as soon as the coolant temperature indicator reaches 6 bar.***

AIR CLEANER

Air cleaner element inspection

Refer to the safety precautions **(page 84)**.

The air cleaner is wet, paper pleated type filter which has enhances filtering efficiency.

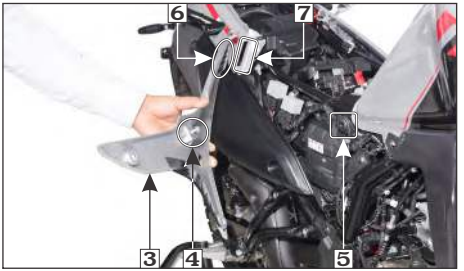
The air cleaner should be replaced at regular intervals **(page 52).** When riding in dusty areas, more frequent replacement may be necessary.

- Remove the seat **(page 74).**
- Remove the right side cover allen key screws (1) and screw (2).



(1) Right side cover allen key screws (2) Screw

- Remove the right side cover (3) by releasing the lug (4) from the grommet (5) and tab (6) from the slot (7).



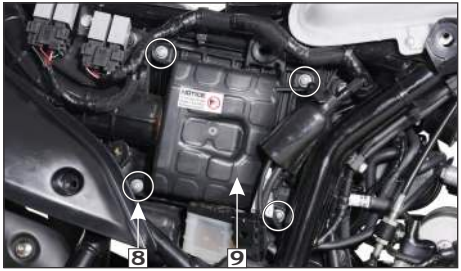
(3) Right side cover (4) Lug (5) Grommet (6) Tab (7) Slot

- Remove the muffler protector screw (5).
- Release the hose (6) from the flexible clamp (7).



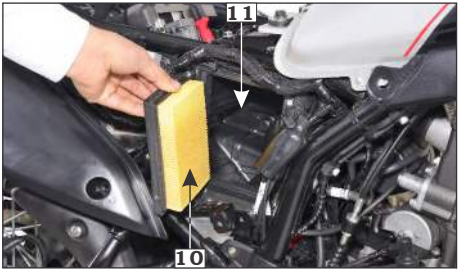
(5) Muffler protector screw **(6) Hose**
(7) Flexible clamp

- Remove the air cleaner cover screws (8) and remove the air cleaner cover (9).



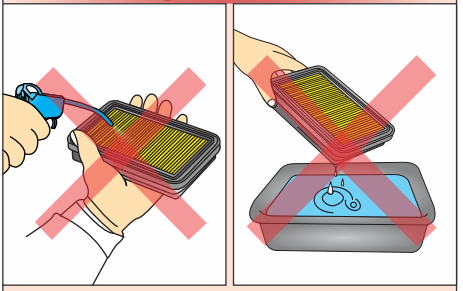
(8) Screws
(9) Air cleaner cover

- Remove the air cleaner element (10) from air cleaner housing (11).



(10) Air cleaner element
(11) Air cleaner housing

! CAUTION



- ***Never wash or clean the wet, paper pleated type filter. Replace filter element once in every 12000 km.***
- ***Replace it earlier if it becomes very dirty, damage on surface or on the sealing area.***

NOTE

Align the tabs of air cleaner cover before installing screws & the cover.

- Clean the air cleaner housing using a shop towel.
- Install the new air cleaner element.
- Install the air cleaner element cover.
- Install the right side cover.
- Install the seat **(page 74)**.

Air cleaner drain tube cleaning

Remove the drain tube (1) and drain the deposit into a container.

Follow the above process more frequently when riding in rain or at full throttle.

NOTE

Always ensure to reinstall the drain tube after draining the deposit.



(1) Drain tube

VALVE CLEARANCE

Engine valve clearance changes with use, which may result in improper air-fuel mixture and/or engine noise. To prevent this, the valve clearance must be adjusted at Authorised Hero MotoCorp workshop at the intervals specified in the maintenance schedule **(page 85)**.

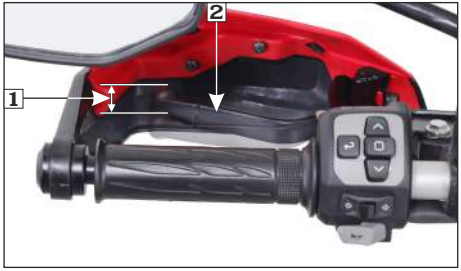
CLUTCH

This vehicle is equipped with a **Slip and Assist Clutch** which minimizes the effect of rapid gear down-shifting. During a rapid down-shift, it allows a controlled clutch slippage to prevent rear wheel locking and engine damage.

Clutch lever free play adjustment

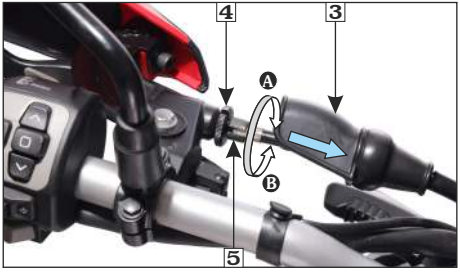
Clutch adjustment may be required if the vehicle stalls when shifting into gear or tends to creep or if the clutch slips, causing acceleration to lag behind engine speed.

Normal clutch lever free play (1) is 10-15 mm at the lever (2).



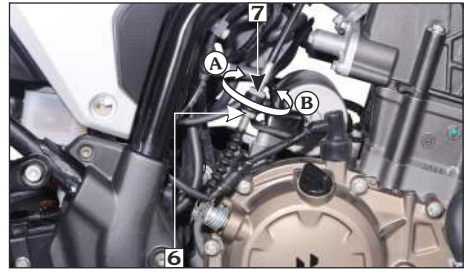
(1) Free play: 10-15 mm (2) Clutch lever

- To adjust the free play at the clutch lever end, slide the boot (3) backwards and then loosen the lock nut (4). Turn the adjuster (5) towards direction "A" or "B" to adjust free play. After adjustment, tighten the lock nut and slide the boot on the adjuster and lock nut securely.



(3) Boot (4) Lock nut (5) Adjuster
(A) Increase free play (B) Decrease free play

- To adjust the free play at engine end, loosen the lock nut (6). Turn the adjusting nut (7) towards direction "A" or "B" to obtain the specified free play. Tighten the lock nut and check the adjustment.



(6) Lock nut (7) Clutch cable adjusting nut
(A) Decrease free play (B) Increase free play

- Start the engine, press the clutch lever and shift into gear. Make sure the engine does not stall, and the vehicle does not travel. Gradually release the clutch lever and open the throttle. The vehicle should start smoothly and accelerate.

NOTE

- ***Perform clutch lever free play adjustment at engine end, if the specified clutch lever play is not obtained at lever end.***
- ***If proper adjustment cannot be obtained or the clutch does not work correctly, visit your Authorised*** Hero MotoCorp ***workshop.***
- ***Ensure while adjusting the clutch lever free-play the steering handle should be in straight condition***

Other checks

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

THROTTLE OPERATION

Cable inspection

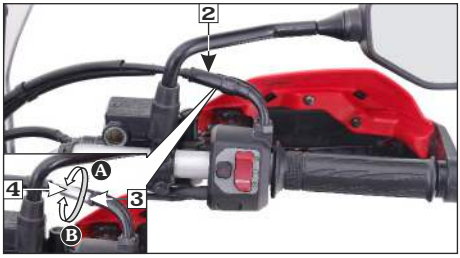
Check for smooth rotation of the throttle grip from the fully open to the fully closed position. Check at full left and full right steering positions. Inspect the condition of the throttle cable from the throttle grip down to the throttle body. If the cable is kinked, chafed or improperly routed, it should be replaced or rerouted. Standard throttle grip free play (1) is approximately 2–4 mm of the grip rotation.



(1) Free play: 2–4 mm

Free play adjustment

To adjust the free play, slide the boot (2), then loosen the lock nut (3). Turn the adjuster (4) towards direction "A" or "B" to adjust free play. After adjustment, tighten the lock nut and slide the boot on the adjuster and lock nut securely.



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

DRIVE CHAIN SLACKNESS

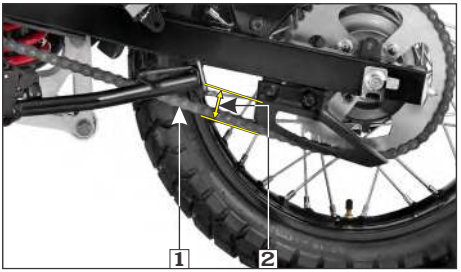
The service life of the drive chain depends upon proper lubrication and adjustment.

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

The drive chain (1) should be checked and lubricated as part of the pre-ride inspection **(page 75).** Under severe usage, or when the vehicle is ridden in unusually dusty areas, more frequent maintenance will be necessary.

Inspection

- Rear wheel must be lifted off the ground by placing a support block under the engine. (Rear wheel must be fully extended and in no load condition).
- Drive chain slack (2) should be checked in the lower run midway between the sprockets. Move the drive chain up and down by hand and chain slack should be adjusted to 30-35 mm vertical movement by hand.



(1) Drive chain
(2) Drive chain slack: 30-35 mm

NOTE

Drive chain slack should be adjusted at your Authorised Hero MotoCorp ***workshop as per the specification.***

- Rotate rear wheel slowly in reverse direction and inspect the drive chain and sprockets for any of the following conditions.

Drive chain

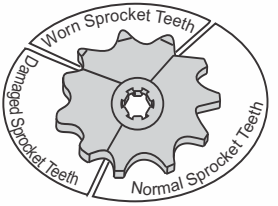
- Damaged rollers
- Loose pins
- Dry or rusted links
- Kinked or binding links
- Excessive wear
- Improper adjustment
- Damaged or missing O-rings

Sprockets

- Excessively worn teeth
- Broken or damaged teeth
- If the drive chain has damaged rollers, loose links or missing O-rings, replace it. If the chain is dry or rusted, it should be lubricated

Lubricate the chain if the links are kinked or binding. If the problem is not solved after lubrication, replace the chain.

If the drive chain or sprockets are excessively worn or damaged, they should be replaced.



! CAUTION

Always replace the drive chain and sprockets as a set. Otherwise the new part will wear prematurely.

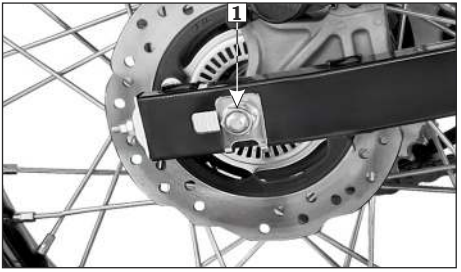
Adjustment

Drive chain slack should be checked and adjusted, if necessary at every 700 km.

When operated at sustained high speeds or under conditions of frequent rapid acceleration, the chain may require more frequent adjustments.

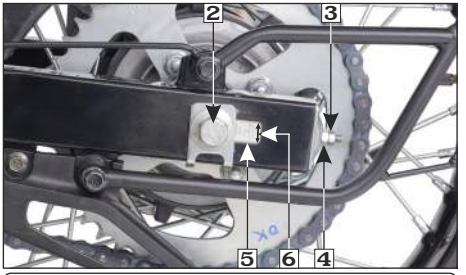
If the drive chain requires adjustment, follow the procedure below:

- Raise the rear wheel off the ground by placing a support block under the engine with the transmission in neutral and the ignition switch in "OFF" position
- Loosen the rear axle nut (1).



(1) Rear axle nut

- Loosen the drive chain lock nut (3) from both sides.
- Turn the adjusting nut (4) in an equal number of turns until the correct drive chain slack is obtained. Turn the adjusting nut clockwise to decrease the slack or anticlockwise to increase the slack of the chain.
- Align the chain adjuster index mark (5) with the rear edge (6) of the adjusting slots on both sides of the swingarm equally.



(2) Axle (3) Drive chain lock nut
(4) Drive chain adjusting nut (5) Index mark
(6) Rear edge of adjusting slot

- Tighten the rear axle nut.
  Torque: 6.8 kgf-m
- Check the drive chain slack again.
- If after adjustment of drive chain slack, axle (2) touches to the rear edge of adjustment slot (6), chain kit has to be replaced.

WARNING

If a torque wrench is not used for installation, see your Authorised Hero MotoCorp ***workshop as soon as possible to check for proper assembly.***

Cleaning and Lubrication

Lubricate every 700 km or sooner if the chain appears dry.

- Turn the engine "OFF", park the vehicle upright on a level ground. and shift the transmission into neutral. Open side stand to facilitate cleaning.
- Wipe the chain with the a soft cloth/brush to remove the dirt accumulation.
- Spray a commercially available chain cleaner along the mid-span on the inner side of entire chain while rotating the rear wheel in reverse direction with other hand. Keep the spray nozzle 6 inches from the chain.

NOTE

Ensure that the chain cleaner and lubricant used is the one recommended for use on an O-ring chain, otherwise the O-rings may deteriorate, fail and lose their sealing properties.

- Wait for 2-3 minutes, then use chain cleaning nylon brush or a cloth to remove dirt and grease from the chain.
- Wipe the chain with a clean dry cloth. Repeat the steps performed till now if chain is not completely clean.
- Spray chain lubricant along the mid-span on the inner side of entire chain while rotating the rear wheel in reverse direction with other hand.
- Wait 5-10 minutes for penetration of lubricant. Wipe the excessive lubricant from the chain and nearby parts using a clean rag.

NOTE

- ***Excessive lubricant if not wiped off, will aid in accumulation of dust, sand and dirt on the drive chain, increasing its wear. Excessive lubricant may also be sprayed on the vehicle as well due to chain movement.***
- ***Care should be taken to prevent spraying on brake parts.***

! CAUTION

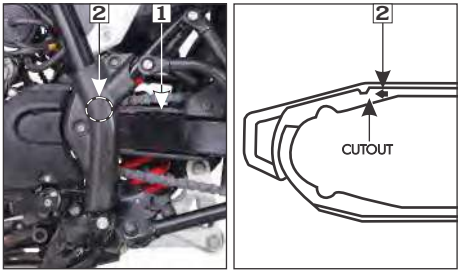
- ***Use gloves while cleaning and lubricating the chain. For your own safety, we recommend that service be performed by an Authorised*** Hero MotoCorp ***workshop.***
- ***Steam cleaning, high pressure washers, caustic solvents, thinner, and coarse stiff brushes can damage the drive chain O-rings.***
- ***While lubricating and cleaning, hold the rear wheel with one hand to prevent the possibility of your finger being trapped between the chain and sprocket.***
- ***Clean and lubricate the chain, whenever possible, after riding the vehicle under rain or in terrain with excessive dust, mud or sand.***
- ***The drive chain is fitted with O-rings between the link plates. These O-rings retain grease inside the chain to improve its service life. However, special precautions must be taken when adjusting, lubricating, washing and replacing the chain.***

DRIVE CHAIN SLIDER INSPECTION

(Refer to "Maintenance Schedule" on **page 85**).

Check the chain slider (1) for wear, The chain slider must be replaced if wear limit (2) is reached.

For replacement, see your Authorised Hero MotoCorp workshop.



(1) Chain slider **(2) Wear limit**

BRAKES

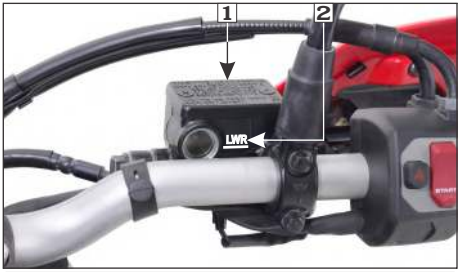
Refer to the safety precautions on **(page 84).**

(a) Front brake

Master Cylinder/Reservoir (1)

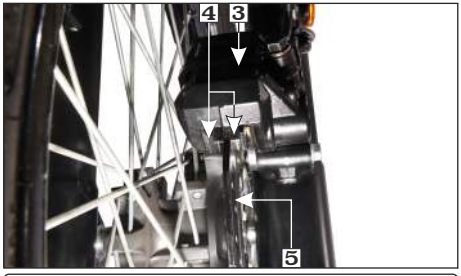
Location : Right handlebar.

Brake fluid recommended: DoT-4



(1) Master cylinder/reservoir (2) Lower mark

Fluid level – Ensure that the brake fluid level does not fall below "LWR" (lower) mark (2) on master cylinder, when checked with the master cylinder parallel to the ground. The level decreases gradually due to piston movement to compensate for pad wear. If the level decreases abruptly, check for the leakages in the brake system and consult your Authorised Hero MotoCorp workshop.



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

NOTE

- ***Clean the dirt and mud accumulation between the front brake caliper (3), brake pads (4) and the disc (5) using a water jet.***
- ***Always contact your Authorised*** Hero MotoCorp ***workshop for refilling of master cylinder/reservoir when necessary.***
- ***Always use recommended tyres (page 110) for better braking performance.***

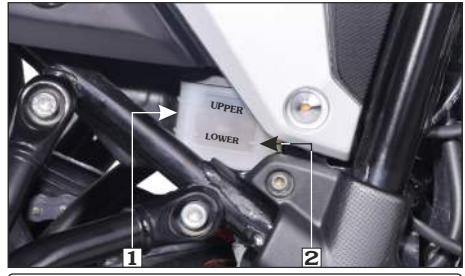
(b) Rear brake

Refer to the safety precautions on **(page 84).**

Reservoir (1)

Location : Near pillion footrest.

Brake fluid recommended: DoT-4

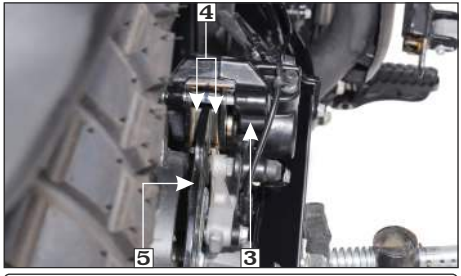


(1) Reservoir (2) "LOWER" mark

Fluid level – Ensure that the brake fluid level does not fall below "LOWER" mark (2) on the reservoir parallel to the ground. The level decreases gradually due to piston movement to compensate for pad wear. If the level decreases abruptly, check for the leakages in the brake system and consult your Authorised Hero MotoCorp workshop.

NOTE

- ***Clean the dirt and mud accumulation between the rear brake caliper (3), brake pads (4) and the disc (5) using a water jet.***
- ***Always contact your Authorised*** Hero MotoCorp ***workshop for refilling of reservoir when necessary.***



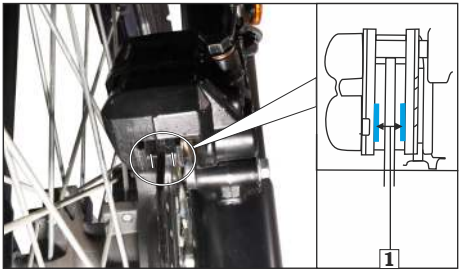
(3) Rear brake caliper (4) Brake pads (5) Disc

(c) Brake pad wear

Brake pad wear depends upon the severity of usage, type of riding & road conditions. Generally, the pads will wear faster on wet & dirty roads. Inspect the pads as per maintenance schedule, however more frequent inspection is recommended if used in wet and dirty roads.

Front brake

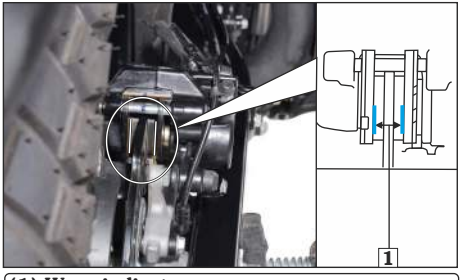
- Check the brake pads for wear by examining the wear indicator groove (1) on each pad.
- If either pad is worn to the bottom of the grooves replace both pads as a set. Visit your Authorised Hero MotoCorp workshop for this service.



(1) Wear indicator groove

Rear brake

- Check the wear indicator groove (1) in each pad.
- If either pad is worn to the bottom of the groove, replace both as a set. Visit your Authorised Hero MotoCorp workshop for this service.



(1) Wear indicator groove

⚠ WARNING

- ***Ridding the vehicle more frequently in off-road conditions may lead to increased brake pad wear. Always inspect the brake pads more frequently if the vehicle is used off-road and replace the brake pads before they become worn to the bottom of the wear indicator grooves.***
- ***Riding with worn brake pads may reduce brake efficiency, leading to loss of vehicle control.***
- ***Always apply front and rear brakes simultaneously to avoid skidding of vehicle.***
- ***While riding on unpaved or dirt roads, the brake response may get delayed due to soiled brakes discs and pads. As the stopping distance becomes more from the point of brake application, it is important to apply brakes earlier than the normal brake application point until the brakes are clean.***

SUSPENSION

Front and rear suspension inspection

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



Rear monoshock absorber adjustment

Rear monoshock absorber pre-load adjustment can be made at any position from 1st to 10th according to the load/road conditions or as per customer's requirement.

For rear monoshock absorber adjustment visit your Authorised Hero MotoCorp workshop.

Recommended adjustment	
Riding condition	**Position**
Solo rider(without pannier)	2nd step position
Rider + Pillion (without pannier)	2nd step position
With pannier and allowable luggage	10th step position (max preload)

⚠ WARNING

This assembly contains high-pressure nitrogen gas. Any attempt to disassemble or refill this shock assembly may result in an explosion, causing serious injury. Exposure to flame or puncture may also result in an explosion. Replacement and disposal should only be done by your Authorised Hero MotoCorp ***workshop.***

WHEEL

(a) Front wheel

Removal

Refer to the safety precautions on **(page 84)**.

- Support the vehicle securely by placing a support block under the engine and raise the front wheel off the ground.
- Loosen the axle pinch bolt (1).
- Remove the front axle (2) and front wheel (3).

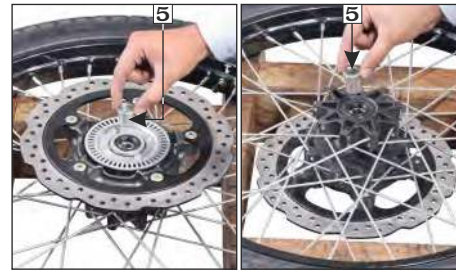


(1) Axle pinch bolt **(2) Front axle**
(3) Front wheel

! CAUTION

- ***Do not operate front brake lever when the wheel is removed.***
- ***Carefully remove the wheel during the puncture/tyre replacement to prevent the sensor ring damage/bend.***

- Remove the side collars (5) from both sides of the wheel.



(5) Side collars

Installation

- Install the side collars (1) to both sides of the wheel hub.
- Insert the disc (2) between the pads in the caliper assembly (3). When installing the wheel, carefully fit the brake disc between the brake pads to avoid damage to the pads.
- Tighten the front axle nut (4) to the specified torque.

  TORQUE : 6.8 kgf-m
- Tighten the axle pinch bolt (5) to the specified torque.

  TORQUE : 3.0 kgf-m

- After installing the wheel apply the brake several times and then check if the wheel rotates freely. Recheck the wheel if the brake drags or if the wheel does not rotate freely.



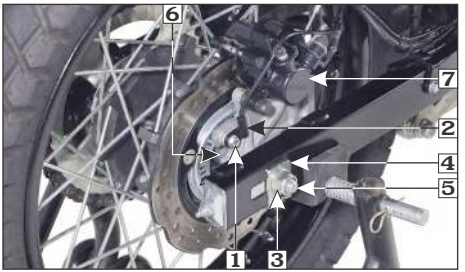
(1) Side collar (2) Disc
(3) Caliper assembly (4) Front axle nut
(5) Front fork side allen key bolt
(6) Wheel speed sensor (7) Bolt

(b) Rear wheel

Removal

Refer safety precautions on **(page 84).**

- Support the vehicle securely by placing a support block under the engine and raise the rear wheel off the ground.
- Remove the wheel speed sensor bolt (1) and disconnect the wheel speed sensor (2) cable (Top variant).
- Remove the rear axle nut (3) and washer (4).
- Remove the axle (5) and the right side collar (6).
- Move the caliper assembly (7) upwards.
- Slide the wheel out from right side.

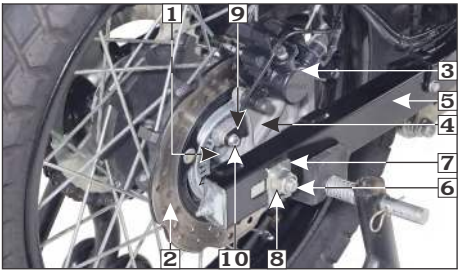


(1) Wheel speed sensor bolt
(2) Wheel speed sensor
(3) Rear axle nut (4) Washer (5) Axle
(6) Side collar (7) Caliper assembly

Installation

- Install the side collar (1) to the right side of the wheel hub.
- Position the rear wheel between the swingarm.
- Insert the disc (2) between the pads in the caliper assembly (3). When installing the wheel, carefully fit the brake disc between the brake pads to avoid damage to the pads.

- Align the rear caliper holder (4) with the swingarm (5).
- Insert the axle (6) from the left side through the swingarm, wheel hub, collar and rear caliper holder.
- Install the washer (7) and rear axle nut (8).



(1) Side collar (2) Disc (3) Caliper assembly
(4) Rear caliper holder (5) Swingarm
(6) Axle (7) Washer (8) Rear axle nut
(9) Wheel speed sensor
(10) Wheel speed sensor bolt

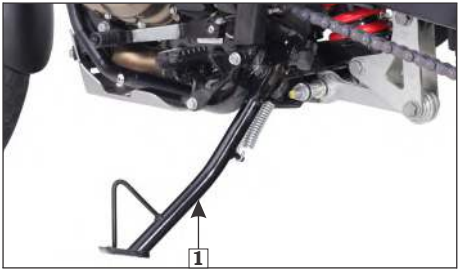
- Tighten the rear axle nut to the specified torque.

  TORQUE : 6.8 kgf-m

- Install the wheel speed sensor (9) and tighten the bolt (10) (Top variant).
- Adjust the drive chain slack **(page 98).**

SIDE STAND LUBRICATION

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

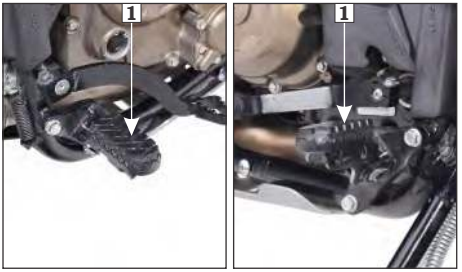


(1) Side stand

RIDER FOOTREST MOVEMENT INSPECTION

After off-road riding, inspect the rider's footrest for ease of movement by following the steps below:

- Park the vehicle on the level surface.
- Check both right and left side rider footrest (1) for ease of movement.



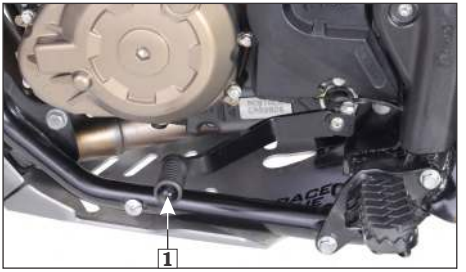
(1) Rider footrest

- If rider footrests are not moving freely, visit your Authorised Hero MotoCorp workshop to get the rider footrests checked.

GEARSHIFT PEDAL MOVEMENT INSPECTION

After off-road riding, inspect the gearshift pedal (1) for ease of movement by following the steps below:

- Park the vehicle on the level surface.
- Check the gearshift pedal (1) for ease of movement while shifting the gear.



(1) Gearshift pedal

- If gearshift pedal is not moving freely, visit your Authorised Hero MotoCorp workshop to get the gearshift pedal checked.

TYRES

The tyres that are fitted on your vehicle are designed to match the performance capabilities 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.

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

Front	90/90 21 M/C 54H
Rear	120/80 18 M/C 62H

Air pressure

Properly inflated tyres provide the best combination of handling, tread life, and riding comfort. Generally, under inflated tyres wear unevenly, adversely affect handling, and are more likely to fail from being overheated.

Under inflated tyres can also cause wheel damage in rocky terrain.

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

Make sure the valve stem caps are secure.

If necessary, install a new cap.

The recommended tyre pressure are:

Front	Rear
22 psi	42 psi



(1) Air pressure gauge

CAUTION

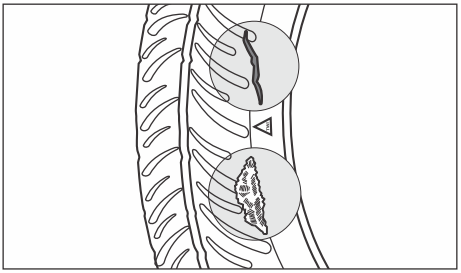
Over inflation/Under inflation will affect the performance.

Inspection

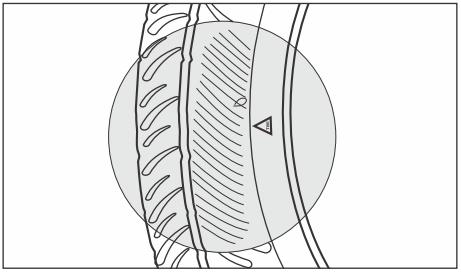
Whenever you check the tyre pressure, you should also examine tyre treads & side walls for wear, damage & foreign objects:

Look for :

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



- Excessive tread wear.



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

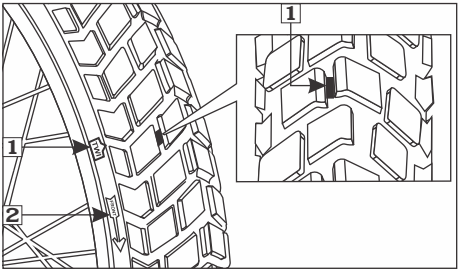
Tread wear

Replace tyres immediately when the tyres get worn up to the wear indicator (1) 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) Tread wear indicator (2) Arrow mark

Unidirectional tyres

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

WARNING

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

- ***Spoke tightness, wheel centering and alignment are essential for vehicle safety. During the first 1,000 km, the spokes become loose due to initial seating. Excessively loose spokes will cause instability at high speeds and possible loss of control.***
- ***Off-road riding or riding in rough terrain may result in loosening of the spokes. Make sure that the spokes are checked for loosening and wheel rims are checked for damage before and after off-road riding. Tighten any loose spoke.***

⚠ WARNING

- ***Riding the vehicle off-road may result in loosening of the spokes.***
- ***Make sure that the spokes are checked before and after riding the vehicle off-road. Tighten any loose spokes and check for wheel rim damage.***
- ***Spokes that are loose may affect handling and stability resulting in vehicle damage, loss of vehicle control and an accident.***
- ***Check the wheel rims and spokes regularly for wear and damage.***
- ***Check spoke tension at all intervals listed in the maintenance schedule tighten any loose spokes.***
- ***Incorrectly tightened spokes may affect handling and stability resulting in vehicle damage, loss of vehicle control and an accident.***

NUTS, BOLTS & FASTENERS

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



BATTERY

Refer to the safety precautions on **(page 84)**.

Location

The battery is located below the seat.

Specification

*MF Battery 12V-6 Ah/ETZ7

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

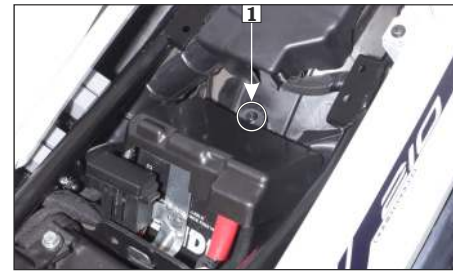
Always visit your Authorised Hero MotoCorp workshop if you see any symptom of battery discharge as earliest as possible to get the battery charged. The battery has a tendency to discharge rapidly if additional electrical accessories are fitted on the vehicle.

Battery storage

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

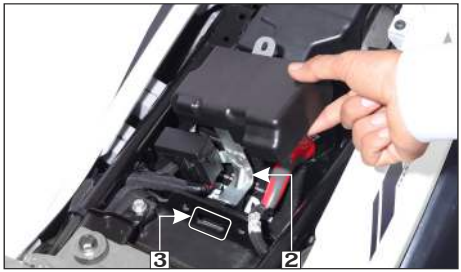
Battery removal

- Make sure the ignition switch is "OFF" (⊗).
- Remove the seat **(page 74).**
- Remove the battery clamp screw (1).



(1) Battery clamp screw

- Dislodge the battery clamp (2) from the battery box slot (3).



(2) Battery clamp (3) Battery box slot

- Disconnect the (–)ve terminal lead (4) from the battery first, then disconnect the (+)ve terminal lead (5).



(4) (–)ve terminal (5) (+)ve terminal

- Pullout the battery (6) from the battery box.



(6) Battery

Battery installation

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

NOTE

During battery installation, always assemble the battery carefully so that +ve terminal should be always fitted on the designated harness terminal.

FUSE REPLACEMENT

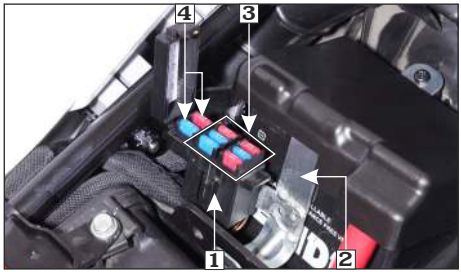
Refer to the safety precautions on **(page 84).**

Fuse box (A) (1)**:** Mounted on the battery clamp (2).

Fuse type: Blade fuse

Main fuse (3) : 15Ax3 nos. & 10Ax3 nos.

Spare fuse (4) : 15A and 10A

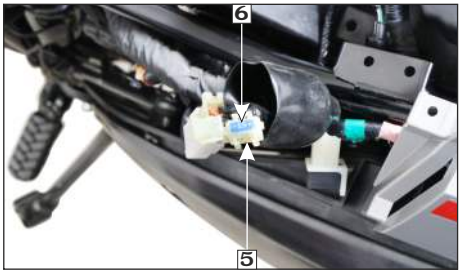


(1) Fuse box A **(2) Battery clamp**
(3) Main fuse : 15Ax3 nos. & 10Ax3 nos.
(4) Spare fuse : 15A & 10A

Fuse box (B) (Top variant) (5)**:** Location behind the left side cover inside the boot.

Fuse type: Blade fuse

Main fuse (6) : 15Ax1 nos.



(5) Fuse box B
(6) Main fuse : 15Ax1 nos.

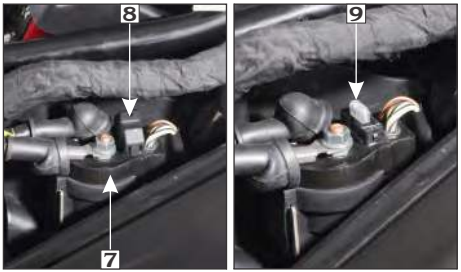
WARNING

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.

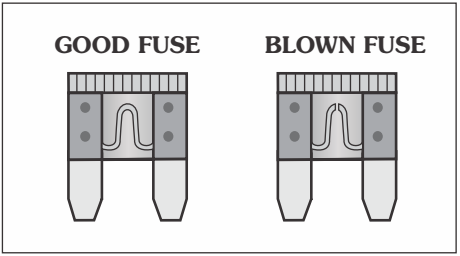
CAUTION

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

Starter magnetic switch (7)
Location : Near the battery box.
Fuse type: Blade fuse
Remove the water protector cover (8).
Main fuse (9) : 25A



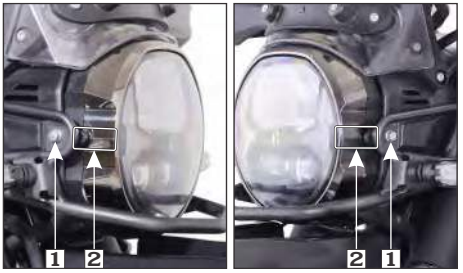
(7) Starter magnetic switch
(8) Water protector cover (9) Main fuse: 25A



HEADLAMP FOCUS ADJUSTMENT

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

- Headlamp adjustment is done by loosening the bolts (1) located on both the sides of the headlamp assembly.
- Park the vehicle on the level ground.
- Turn the ignition switch to "ON" ( ) position and start the engine.
- Set the headlamp dimmer switch to " " position.
- Adjust the headlamp by loosening the bolts (1) and moving the headlamp assembly up and down for correct focus adjustment.
- Align the headlamp casing index marks (2) to the index mark on the headlamp assembly cover.
- After adjusting the headlamp, tighten the headlamp adjusting bolts.



(1) Adjusting bolts **(2) Index marks**

WARNING

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

CATALYTIC CONVERTER

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

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

The catalytic converter 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.



(1) Catalytic converter

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

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

- Always use unleaded petrol. Even a small amount of leaded petrol can contaminate the catalyst metals, making the catalytic converter ineffective.
- Keep the engine in good running condition. A poorly running engine can cause the catalytic converter 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.

! CAUTION

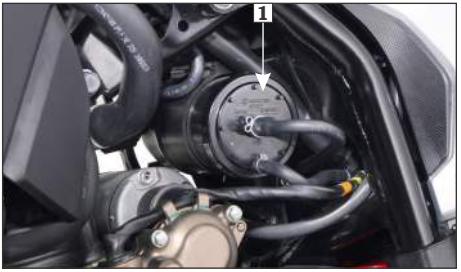
Avoid keeping any cloth or flammable object between hot parts (muffler, oil cooler, engine).

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 wouldotherwise 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.

1. STARTING TROUBLE – ENGINE DOES NOT START

A. Integrated Start-Kill Switch

Check engine stop switch position → "OFF" → Turn to "ON" (⚷) position

↓ "ON" (⚷) position

Consult Authorised Hero MotoCorp **Workshop**

B. Side Stand Engine Kill System

Check side stand in gear condition **(page 71)** → Side stand "Down" → Move the side stand up

↓ Side stand "Up"

Consult Authorised Hero MotoCorp **Workshop**

C. Fuel System

Check fuel gauge → Low fuel indicator glows continuously → Refill the fuel tank

↓ OK

Check fuel lines → Leakage → **Consult Authorised** Hero MotoCorp **Workshop**

↓ OK

Check for operating sound of fuel pump → Broken fuel pump wire connector → Secure connections

↓ OK

Consult Authorised Hero MotoCorp **Workshop**

D. Electric Starter Not Working

Check fuse → Fused → Replace fuse **(page 115)**

↓ OK

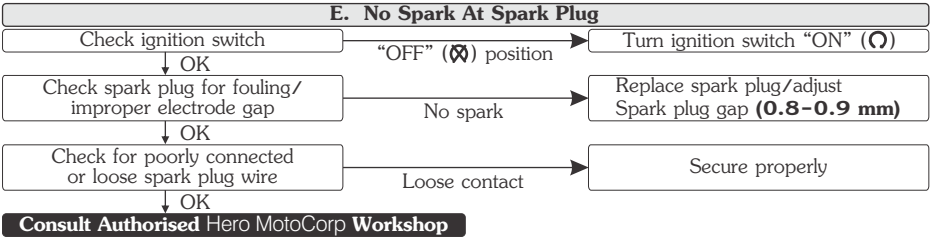
Inspect battery → Weak → **Consult Authorised** Hero MotoCorp **Workshop**

↓ OK

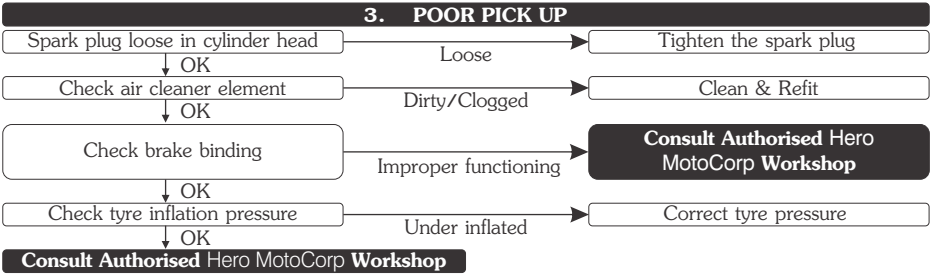
Check connections, ignition switch/starter switch → Loose → Secure connections

↓ OK

Consult Authorised Hero MotoCorp **Workshop**


E. No Spark At Spark Plug
Check ignition switch
"OFF" (⊗) position
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
Consult Authorised Hero MotoCorp Workshop
OK
Check air cleaner element
Dirty/Clogged
Clean & Refit
OK
Consult Authorised Hero MotoCorp Workshop


3. POOR PICK UP
Spark plug loose in cylinder head
Loose
Tighten the spark plug
OK
Check air cleaner element
Dirty/Clogged
Clean & Refit
OK
Check brake binding
Improper functioning
Consult Authorised Hero MotoCorp Workshop
OK
Check tyre inflation pressure
Under inflated
Correct tyre pressure
OK
Consult Authorised Hero MotoCorp Workshop

4. ELECTRICAL SYSTEM

Feeble Horn Sound or No Light

- Check fuse
  - Broken Fuse → Replace fuse
  - OK ↓
- Inspect battery
  - Weak → **Consult Authorised** Hero MotoCorp **Workshop**
  - OK ↓
- Check LED's lamp functioning
  - Improper functioning → **Consult Authorised** Hero MotoCorp **Workshop**
  - OK ↓
- Check connections
  - Loose → Secure connections
  - OK ↓

Consult Authorised Hero MotoCorp **Workshop**

5. COOLING SYSTEM – ENGINE OVERHEATS

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

Consult Authorised Hero MotoCorp **Workshop**

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



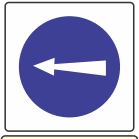
Length Limit



High Limit


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

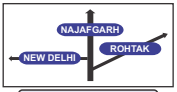

Eating Place


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.

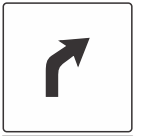
NAVIGATION SIGNS

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.


Turn Left


Turn Right


Turn Slight Left

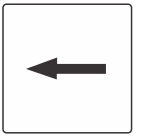

Turn Slight Right

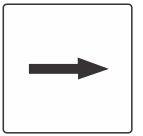

Turn Sharp Left

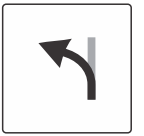

Turn Sharp Right

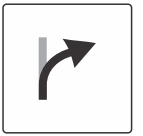

Straight


Merge


Keep Left

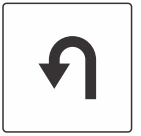

Keep Right

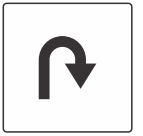

Ramp Left

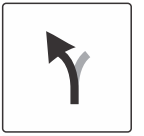

Ramp Right


Round About Left


Round About Right


U Turn Left

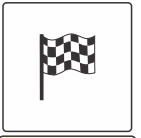

U Turn Right


Fork Left


Fork Right


Ferry


Ferry Train


Destination Reached



Wrong way

Hero MotoCorp Ltd.

WARRANTY

Scope of warranty

Hero MotoCorp Ltd. (hereinafter called 'Hero MotoCorp') warrants its **XPULSE 210** 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) **XPULSE 210** vehicle is warranted for a period of **5 years or 70000 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 **180** days from the date of previous service or as per the recommended schedule, whichever is earlier.

c) If any problem is observed in **XPULSE 210** 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 **XPULSE 210** vehicle needing repair should be brought to Hero MotoCorp's authorized workshop for necessary inspection and carrying out rectification job.

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 Hero Xotic+ SAE 10W 30 SL MA2 fully synthetic PAO based oil.

(3) To normal wear & tear and ageing of components including (but not limited to) brake shoes/pads, clutch plates, drive chain & sprockets, 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/clutch 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 unauthorised 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 **XPULSE 210** 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 due up 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 **XPULSE 210** 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 **XPULSE 210** 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.).

(18) Any cost for periodic maintenance such as cleaning, inspection and adjustment.

(19) To any part of the **XPULSE 210** vehicle which has been tampered or repaired in such a manner which has resulted in malfunction of the vehicle.

(20) For **XPULSE 210** 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 **XPULSE 210** 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 **XPULSE 210** 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 MotoCorpwill 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

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 12 months from the date of previous services or as per the recommended schedule, whichever is earlier. All service details should be completely filled by the dealer, in the Service Record Sheet given in the Owner's Manual.

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.

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

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

Hero

GENUINE PARTS

CONSEQUENTIAL DAMAGES ON USING NON-GENUINE PARTS

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

ZONAL/REGIONAL/AREA OFFICES

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

CENTRAL ZONE

Hero MotoCorp Ltd., No. 208, 209, 210- 2nd floor, Ganpati Plaza, M.I. Road, Jaipur-302001, (Rajasthan). Tel: +91 141-2389031, 2389156, 2389252, E-mail: jaipur@heromotocorp.com

Hero MotoCorp Ltd., Office No. 705-706, 7th Floor, Manglam Fun Square, Durga Nursery Road, Udaipur -313001 (Rajasthan). Tel: +91 0294-2980578, 79, E-mail: udaipur@heromotocorp.com

Hero MotoCorp Ltd., Office. No.401, 4th Floor, Offizo, Magneto Mall, Labhandi, G.E. Road, Raipur -492 001, (Chhattisgarh) Tel: +91-771-4034749, E-mail: raipur@heromotocorp.com

Hero MotoCorp Ltd., Office No. 55 to 59, 1st Floor, Maple High Street, Opposite Aashima Mall, Hoshangabad Road, Bhopal-462026, India. Tel: +91-755-2994416, +91-755-2994398, E-mail: bhopal@heromotocorp.com

Hero MotoCorp Ltd., Maloo-01, 601-602, 6th Floor, Plot No. 26C, Scheme No. 94, Ring Road, Indore, M.P.-452010, Tel: +91-731-4978269, 70, E-mail: indore@heromotocorp.com

EAST ZONE

Hero MotoCorp Ltd., Flat No: 1002. 10th Floor, Martin Burn Business Park, BP3, Salt Lake, Sector-V, Kolkata-700091, West Bengal, India. Tel : +91-33-44026841,+91-33-44026830, E-mail : kolkata@heromotocorp.com

Hero MotoCorp Ltd., Odyssa Business Centre, Plot no. 30, 30/982, 172/1030, 4th Floor Cuttack, Bhubaneshwar highway road, Rasulgarh, Bhubaneswar-751010, Odisha, India. Tel: +91-674-2581161, 62, 63, 64, E-mail: bhubaneshwar@heromotocorp.com

Hero MotoCorp Ltd., Yash Heights, 1st Floor Bariatu Road, Above Basudeb Tata Showroom Ranchi-834009, Jharkhand, India. Tel: +91-651-2542222, 2542224, 2542225, E-mail: ranchi@heromotocorp.com

Hero MotoCorp Ltd., Sai Corporate Park, A Block, 6th Floor, Rukanpura, Bailey Road Patna, Bihar – 800014 Tel: +910612-2590587/88/89 E-mail: patna@heromotocorp.com

Hero MotoCorp Ltd., 158, Christian Basti, Golden Heights, 3rd Floor, Reliance Trend Building, Adjacent Central Mall, G.S. road, Kamrup, Assam-781005 Tel: 0361-2340058 E-mail: guwahati@heromotocorp.com

NORTH ZONE

Hero MotoCorp Ltd., 3rd Floor, Tower-A, DLF Centre Court, Sector-42, Golf Course Road, Gurgaon -122002, Haryana, India. Tel: 0124-4754800, E-mail: delhi@heromotocorp.com

Hero MotoCorp Ltd., 602, 6th Floor, Tower A, Plot No BW 58, Logix City Center, Sector-32, Noida – 201301. Uttar Pradesh Tel: 0120-4631000, E-mail: noida@heromotocorp.com

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

NORTH ZONE

Hero MotoCorp Ltd., Kapoor Towers, Plot No- 284, 15-B, Rajpur Road, Dehradun-248001, Uttarakhand, India.
Tel:0135-2714661,2713662,2714663, E-mail: dehradun@heromotocorp.com

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

Hero MotoCorp Ltd., C-19/134-B ,Third Floor I .P Grand, Lallapura, Sigra, Varanasi, Uttar Pradesh - 221010, India.
Tel: +91-0542- 2390949,2390241, E-mail: varanasi@heromotocorp.com

SOUTH ZONE

Hero MotoCorp Ltd., SKAV 909, 3rd Floor, 9/1, Lavelle Road, Bangalore-560001, India.
Tel: +91-80-46881000, E-mail: bangalore@heromotocorp.com

Hero MotoCorp Ltd., 3-6-289, 3rd Floor, Kareem Manzil, Hyderguda, Hyderabad-500029, India.
Tel:+91-40-23223735/3727, E-mail: hyderabad@heromotocorp.com

Hero MotoCorp Ltd., 9th Floor Seshachalam Centre No.636/1. Anna Salai, Nandanam, Chennai-600035, India.
Tel: +91-44- 24340974, 24340977, 24340978, E-mail: chennai@heromotocorp.com

Hero MotoCorp Ltd., 6-A, DD Trade Tower, (6th Floor), Kaloor-Kadavanthra Road, Kaloor-682 017, Kochi-682017, India. Tel: +91-0484- 4039646 -7, E-mail: cochin@heromotocorp.com

Hero MotoCorp Ltd., No 1547, 2nd Floor Classic Towers, Trichy Road, Coimbatore - 641018
Tel: +91-422-2200058, 2200061, E-mail: coimbatore@heromotocorp.com

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

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

WEST ZONE

Hero MotoCorp Ltd., Chrome Building, Sr. No. 33, Hissa-A-1/1/2, Plot - 2, Viman Nagar Avenue 2, Nagar Road, Pune-411014, India. Tel: +91-020-71903500, E-mail: pune@heromotocorp.com

Hero MotoCorp Ltd., 604, Gunjan Tower, Off Alembic Gorwa Road, Baroda-390023, India.
Tel: +91-265-2286569/2286570, E-mail: baroda@heromotocorp.com

Hero MotoCorp Ltd., Ground Floor, Block No.2, Vishnu Vaibhav Complex, 222, Palm Road, Civil Lines, Nagpur-440001, India. Tel: +91-712-2545990-91, E-mail: nagpur@heromotocorp.com

Hero MotoCorp Ltd., Classic Stripes House, 3rd Floor76/79, Makwana Lane, Takpada Off. Andheri-Kurla Road Marol, Andheri Easta, Mumbai-400059, India. Tel: +91-22-28562071, E-mail: mumbai@heromotocorp.com

Hero MotoCorp Ltd., B-201, 2nd floor, Pride Corporate Royal Park, Kalavad Road, Rajkot -360001
Tel: 0281-2460622, 2460623, E-mail: rajkot@heromotocorp.com

Hero MotoCorp Ltd.

Registered Office

The Grand Plaza, Plot No. 2, Nelson Mandela Road, Vasant Kunj - Phase-II,
New Delhi - 110070, India. CIN: L35911DL1984PLC017354, PAN: AAACH0812J
Phone No.: 011 - 46044100, Fax No.: 011 - 26143198, 26143321.
Toll Free No.: 1800 - 266 - 0018, Website: www.heromotocorp.com

Dharuhera Plant

69 Km. Stone, Delhi - Jaipur Highway,
Dharuhera - 122 100, Dist. Rewari, Haryana, India.
Phone No.: 01274 - 264000, Fax No.: 01274 - 267018

Gurgaon Plant

37 Km. Stone, Delhi - Jaipur Highway,
Sector – 33, Gurgaon - 122 001, Haryana, India.
Phone No.: 0124 - 2894200, 2372123,
Fax No.: 0124 - 2373141 - 42

Neemrana Plant

69 Km. Stone, Delhi - Jaipur Highway,
Dharuhera - 122 100, Dist. Rewari, Haryana, India.
Phone No.: 01274 - 264000, Fax No.: 01274 - 267018

Haridwar Plant

Plot No. 3, Sector - 10, IIE, SIDCUL, Roshanabad,
Haridwar - 249 403, Uttarakhand, India.
Phone No.: 01334 - 238500, Fax No.: 01334 – 239512

Halol Plant

Plot No. 102 (Expansion) Indl. Estate,
Vadodara-Godhra Highway, Taluka: Kalol, Tehsil: Halol,
Dist - Panchmahal - 389 350, Gujarat, India.
Phone No.: 02676-229114.

Publication No. OMACYBE0325HMCL